

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050919\
 Data File : VX009431.D
 Acq On : 09 May 2019 16:34
 Operator : JC/SP
 Sample : VX0509WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBSD01

Manual Integrations
 APPROVED

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 5/10/2019 1:12:08 PM

Quant Time: May 10 07:52:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	164749	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	263873	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	239463	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	116489	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	112090	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
35) Dibromofluoromethane	5.49	113	83755	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
50) Toluene-d8	8.71	98	332924	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	
62) 4-Bromofluorobenzene	11.13	95	119785	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	27568	18.159	ug/l	99
3) Chloromethane	1.32	50	39349	18.984	ug/l	98
4) Vinyl Chloride	1.41	62	40272	19.925	ug/l	97
5) Bromomethane	1.64	94	18301	15.086	ug/l	98
6) Chloroethane	1.72	64	26714	20.586	ug/l	98
7) Trichlorofluoromethane	1.93	101	50077	20.383	ug/l	98
8) Diethyl Ether	2.19	74	23611	20.289	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	30681	19.886	ug/l	98
10) Methyl Iodide	2.51	142	18273	13.851	ug/l	99
11) Tert butyl alcohol	3.04	59	52428	100.708	ug/l	99
12) 1,1-Dichloroethene	2.37	96	31562	20.418	ug/l	96
13) Acrolein	2.29	56	51067	108.315	ug/l	98
14) Allyl chloride	2.73	41	72721	19.304	ug/l	99
15) Acrylonitrile	3.14	53	125664	98.723	ug/l	99
16) Acetone	2.44	43	113971	94.375	ug/l	98
17) Carbon Disulfide	2.57	76	90051	20.749	ug/l	100
18) Methyl Acetate	2.78	43	53585	18.658	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	119576	19.920	ug/l	99
20) Methylene Chloride	2.85	84	38201	19.537	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	33983	20.271	ug/l	97
22) Diisopropyl ether	3.85	45	145009	20.016	ug/l	95
23) Vinyl Acetate	3.81	43	635188	102.388	ug/l	100
24) 1,1-Dichloroethane	3.70	63	70282	19.665	ug/l	97
25) 2-Butanone	4.67	43	186844	99.564	ug/l	98
26) 2,2-Dichloropropane	4.59	77	48519	18.239	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	39882	19.931	ug/l	98
28) Bromochloromethane	5.01	49	30414	19.467	ug/l	100
29) Tetrahydrofuran	5.13	42	124202	102.850	ug/l	99
30) Chloroform	5.21	83	64577	19.978	ug/l	100
31) Cyclohexane	5.58	56	67998	20.450	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	53061	19.719	ug/l	98
36) 1,1-Dichloropropene	5.80	75	48212	19.661	ug/l	99
37) Ethyl Acetate	4.84	43	69704	20.401	ug/l	99
38) Carbon Tetrachloride	5.79	117	43936	19.720	ug/l	100

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
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 VX0509WBSD01

Manual Integrations
 APPROVED

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 5/10/2019 1:12:08 PM

Quant Time: May 10 07:52:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	61234	20.333	ug/l	98
40) Benzene	6.15	78	154707	20.385	ug/l	100
41) Methacrylonitrile	5.04	41	39653	19.497	ug/l	99
42) 1,2-Dichloroethane	6.19	62	55927	20.544	ug/l	100
43) Isopropyl Acetate	6.45	43	109180	19.978	ug/l	100
44) Trichloroethene	7.21	130	36303	19.787	ug/l	99
45) 1,2-Dichloropropane	7.51	63	42957	19.990	ug/l	98
46) Dibromomethane	7.66	93	24893	19.948	ug/l	98
47) Bromodichloromethane	7.90	83	49053	19.706	ug/l	98
48) Methyl methacrylate	7.77	41	54464	20.087	ug/l	99
49) 1,4-Dioxane	7.74	88	22605	411.102	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	364710	102.099	ug/l	100
52) Toluene	8.79	92	94169	20.413	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	54448	19.374	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	61760	19.854	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	37840	20.105	ug/l	96
56) Ethyl methacrylate	9.18	69	66956	19.930	ug/l	100
57) 1,3-Dichloropropane	9.37	76	67445	20.364	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	171905	96.453	ug/l	100
59) 2-Hexanone	9.49	43	280795	100.088	ug/l	99
60) Dibromochloromethane	9.58	129	36318	19.757	ug/l	97
61) 1,2-Dibromoethane	9.67	107	38384	20.204	ug/l	98
64) Tetrachloroethene	9.34	164	33688	20.509	ug/l	99
65) Chlorobenzene	10.14	112	97283	20.308	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	35026	20.168	ug/l	99
67) Ethyl Benzene	10.25	91	177899	20.179	ug/l	99
68) m/p-Xylenes	10.36	106	129619	40.234	ug/l	98
69) o-Xylene	10.70	106	63993	20.132	ug/l	100
70) Styrene	10.71	104	110181	19.943	ug/l	98
71) Bromoform	10.85	173	27345	19.375	ug/l #	98
73) Isopropylbenzene	11.02	105	169924	20.060	ug/l	99
74) N-amyl acetate	10.90	43	96006	19.440	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	62588	19.820	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	53071m	19.640	ug/l	
77) Bromobenzene	11.26	156	41997	19.975	ug/l	99
78) n-propylbenzene	11.36	91	192520	19.900	ug/l	99
79) 2-Chlorotoluene	11.42	91	116274	19.481	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	143497	20.119	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	18426	17.448	ug/l	90
82) 4-Chlorotoluene	11.51	91	132973	19.721	ug/l	99
83) tert-Butylbenzene	11.77	119	135910	19.588	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	143628	20.062	ug/l	99
85) sec-Butylbenzene	11.94	105	164667	20.018	ug/l	99
86) p-Isopropyltoluene	12.06	119	148994	20.147	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	73306	19.558	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	74336	19.672	ug/l	99
89) n-Butylbenzene	12.38	91	129756	19.413	ug/l	100
90) Hexachloroethane	12.60	117	23327	18.515	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	74830	19.601	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14680	20.723	ug/l	98

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ClientSampleId :
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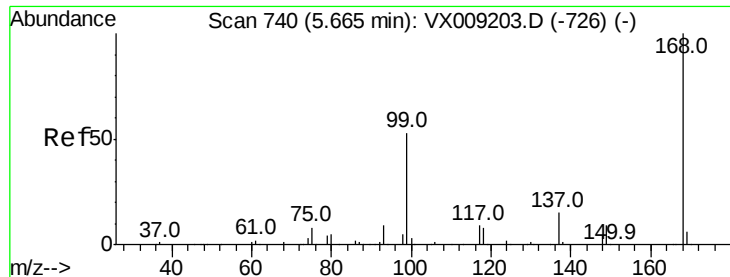
Manual Integrations
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5/10/2019 1:12:08 PM

Quant Time: May 10 07:52:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	52302	20.034	ug/l	99
94) Hexachlorobutadiene	13.78	225	25996	19.500	ug/l	98
95) Naphthalene	13.83	128	174438	20.538	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	53388	20.175	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009431.D

Acq: 09 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD01

Tot Ion:168 Resp: 164749

Ion Ratio Lower Upper

168 100

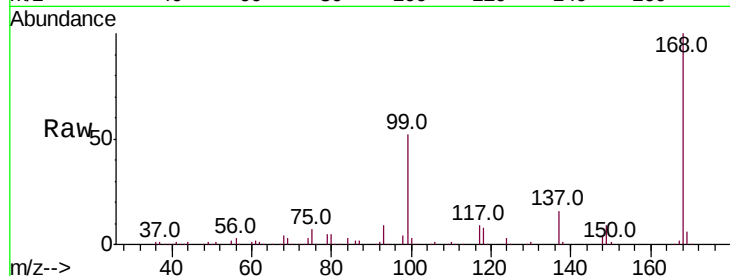
99 51.5 42.3 63.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

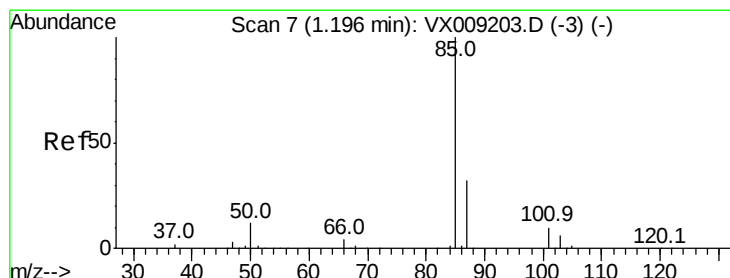
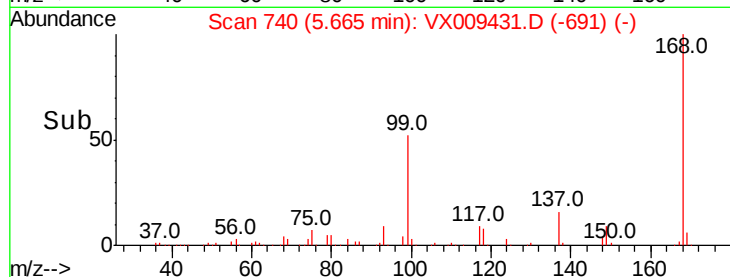
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 18.159 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009431.D

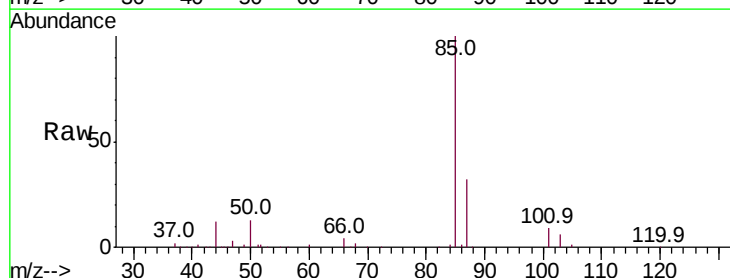
Acq: 09 May 2019 16:34

Tgt Ion: 85 Resp: 27568

Ion Ratio Lower Upper

85 100

87 31.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

30000

25000

20000

15000

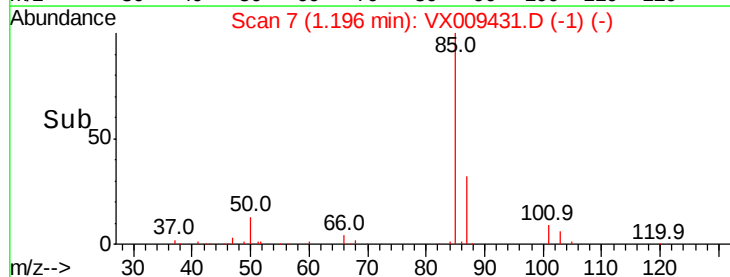
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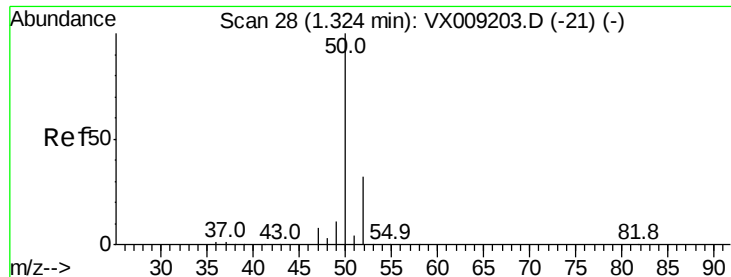
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Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 18.984 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009431.D

Acq: 09 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD01

Tot Ion: 50 Resp: 39349

Ion Ratio Lower Upper

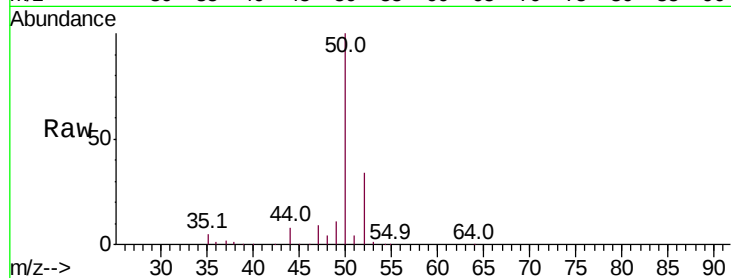
50 100

52 33.7 25.9 38.9

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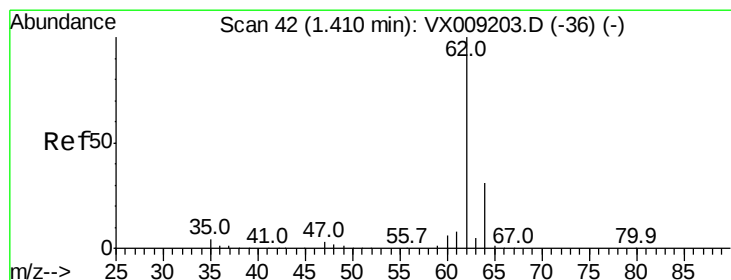
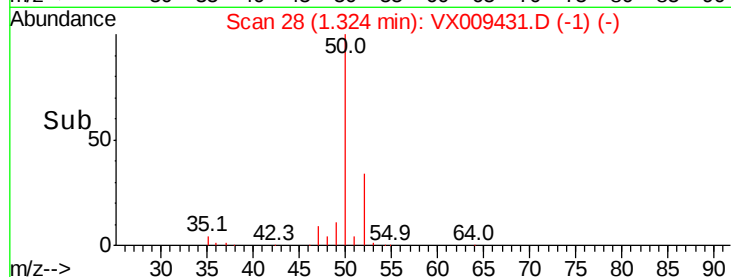
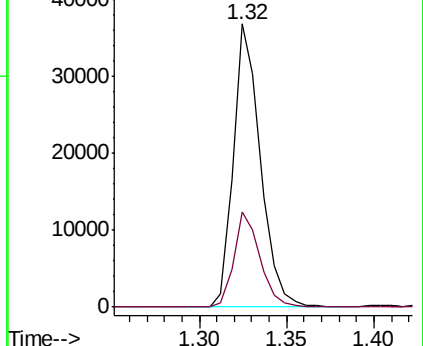
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.925 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009431.D

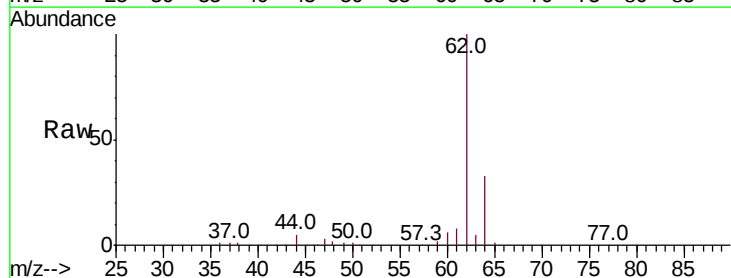
Acq: 09 May 2019 16:34

Tgt Ion: 62 Resp: 40272

Ion Ratio Lower Upper

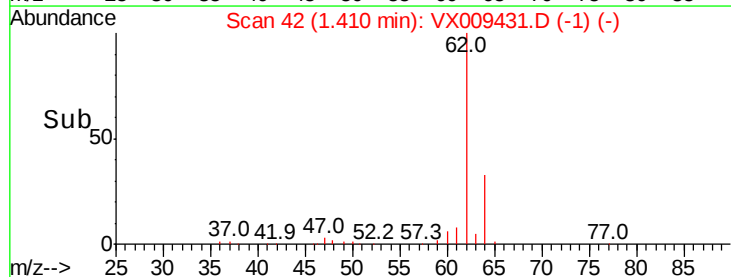
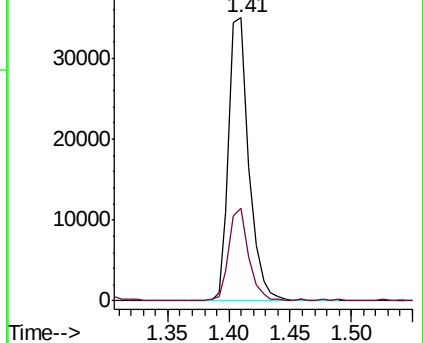
62 100

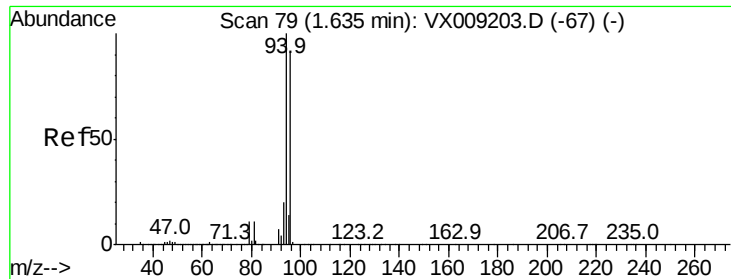
64 32.5 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 15.086 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009431.D

Acq: 09 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD01

Tot Ion: 94 Resp: 18301

Ion Ratio Lower Upper

94 100

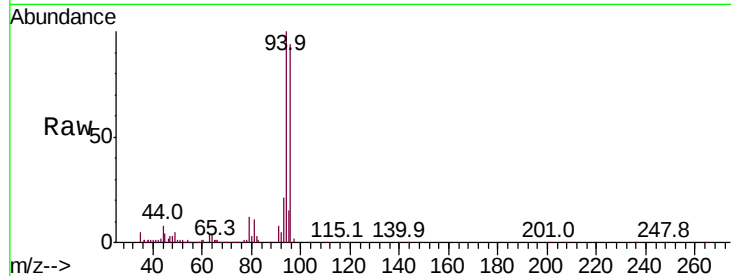
96 93.6 73.0 109.6

Manual Integrations

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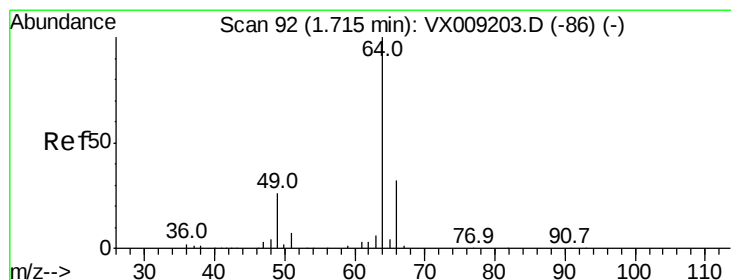
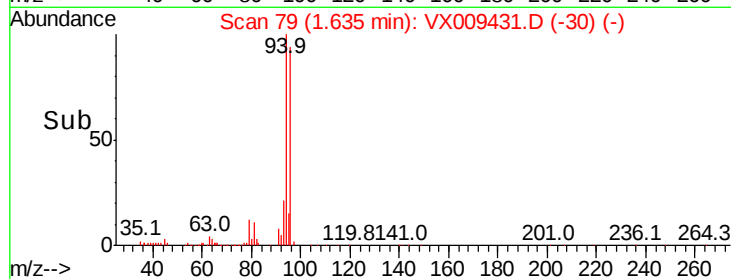
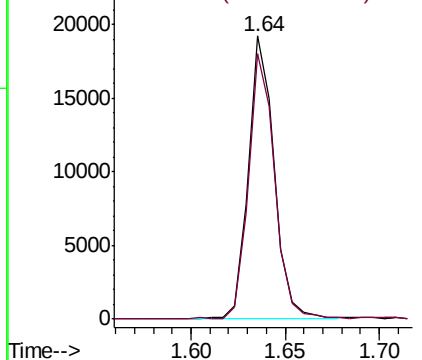
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 20.586 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009431.D

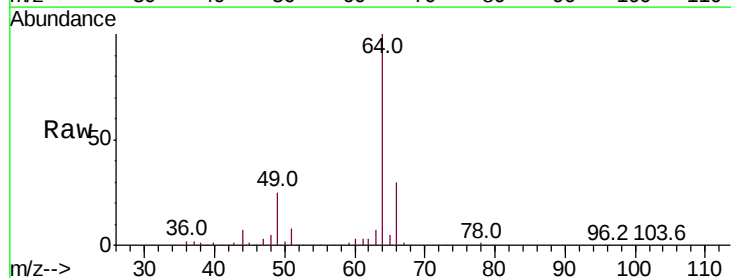
Acq: 09 May 2019 16:34

Tgt Ion: 64 Resp: 26714

Ion Ratio Lower Upper

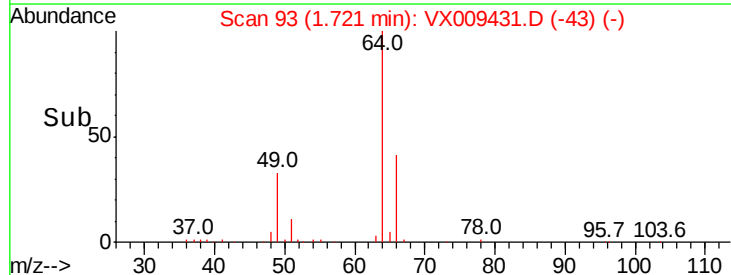
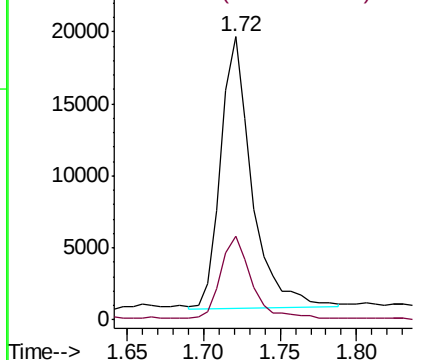
64 100

66 30.6 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

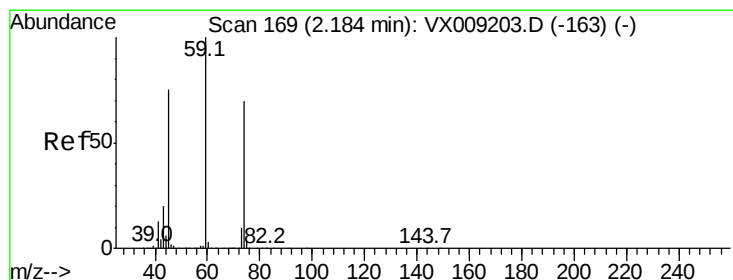
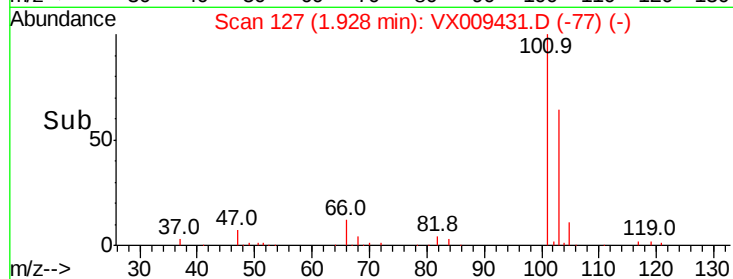
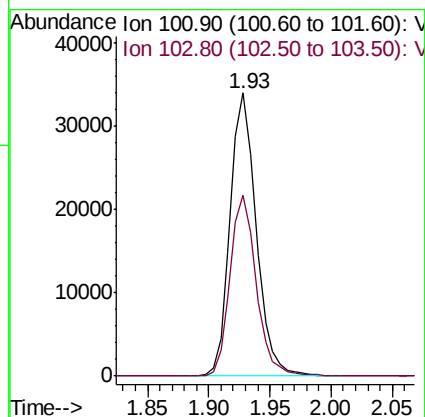
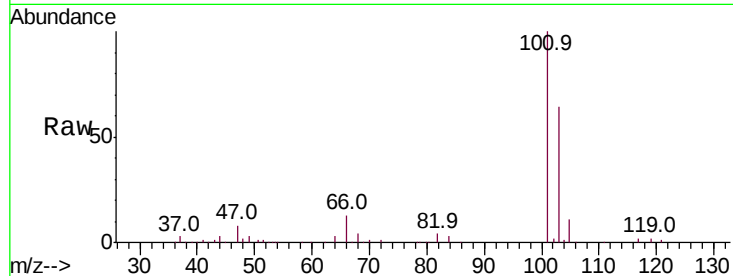
Trichlorofluoromethane
Concen: 20.383 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX009431.D
Acq: 09 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD01

Tot Ion:101 Resp: 50077
Ion Ratio Lower Upper
101 100
103 64.1 52.4 78.6

Manual Integrations
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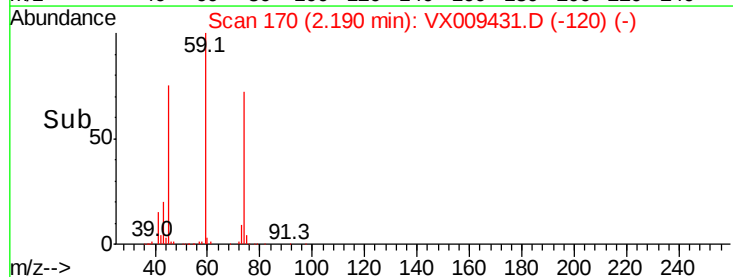
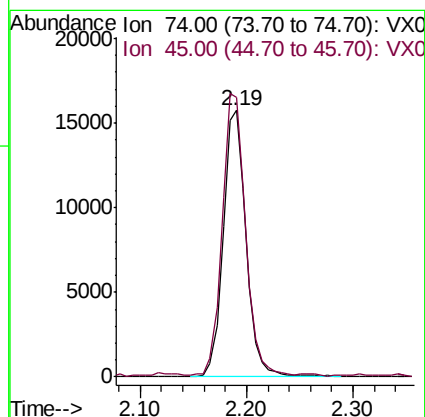
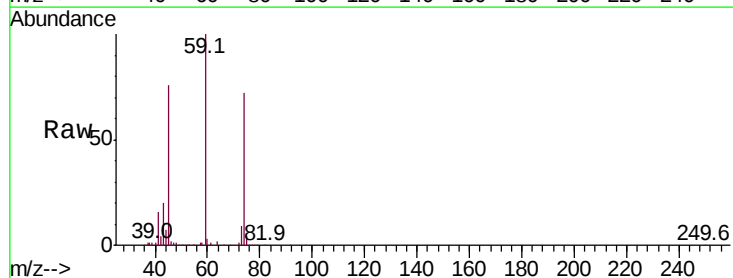
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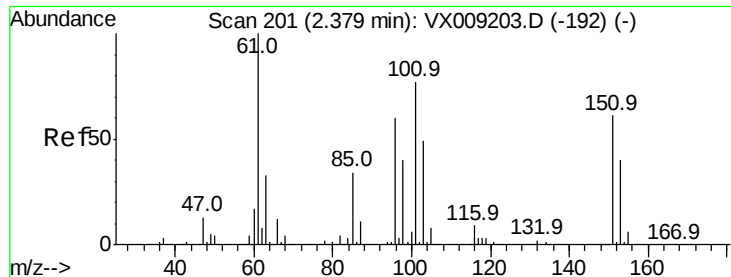


#8

Diethyl Ether
Concen: 20.289 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009431.D
Acq: 09 May 2019 16:34

Tgt Ion: 74 Resp: 23611
Ion Ratio Lower Upper
74 100
45 107.5 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.886 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009431.D

Acq: 09 May 2019 16:34

Instrument :

MSVOA_X

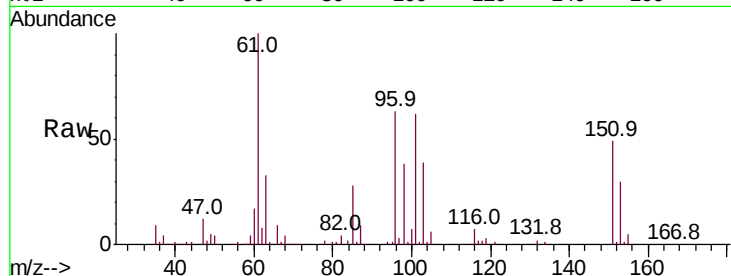
ClientSampleId :

VX0509WBSD01

Tot Ion:	101	Resp:	30681
Ion Ratio	Lower	Upper	
101	100		
85	43.8	35.7	53.5
151	80.0	62.2	93.2

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5/10/2019 1:12:08 PM

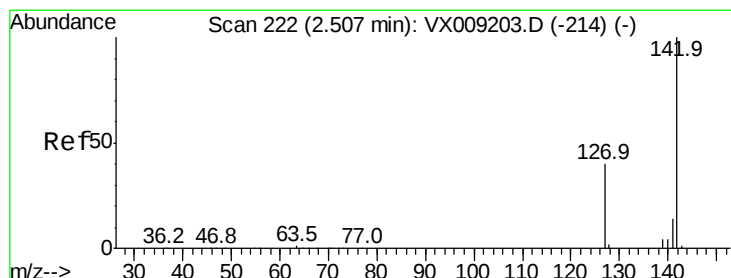
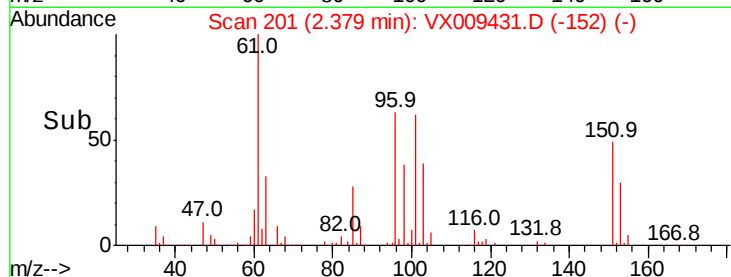
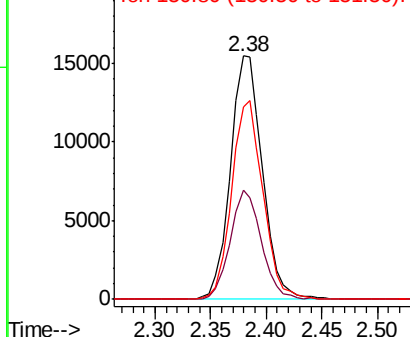


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 13.851 ug/l

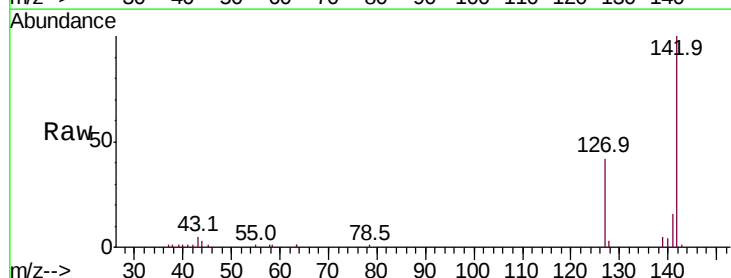
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009431.D

Acq: 09 May 2019 16:34

Tgt Ion:	142	Resp:	18273
Ion Ratio	Lower	Upper	
142	100		
127	41.8	32.7	49.1
141	14.9	11.5	17.3

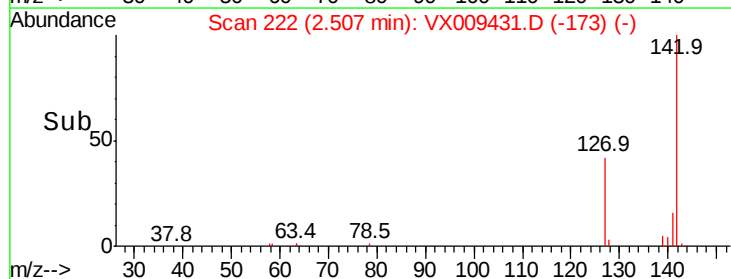
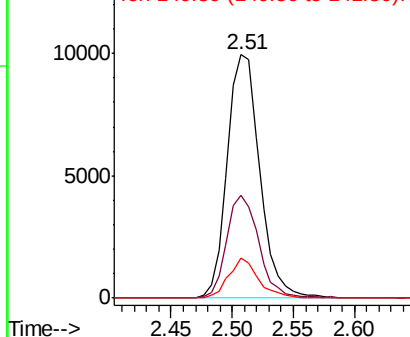


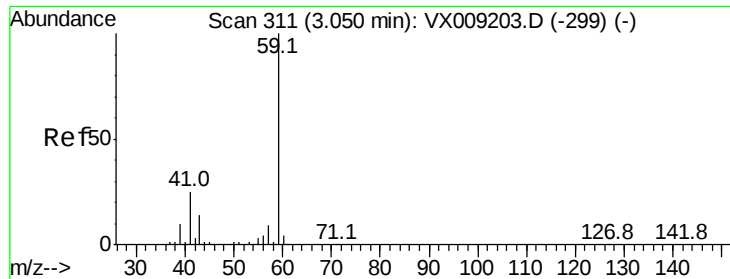
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

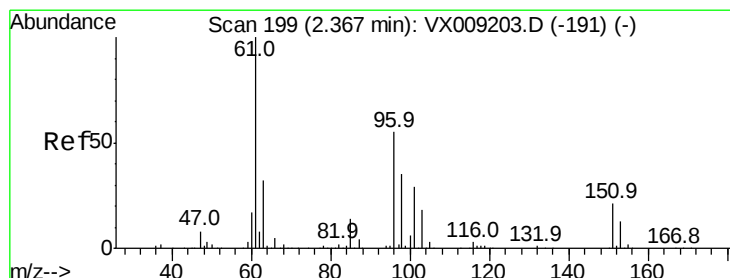
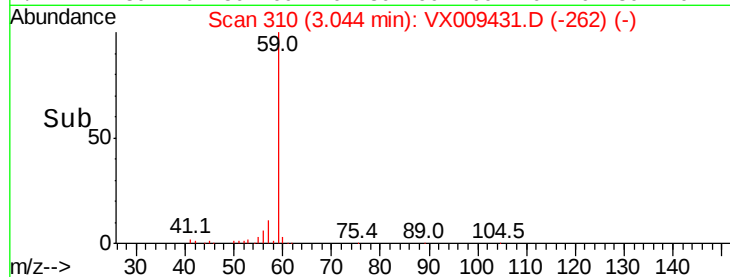
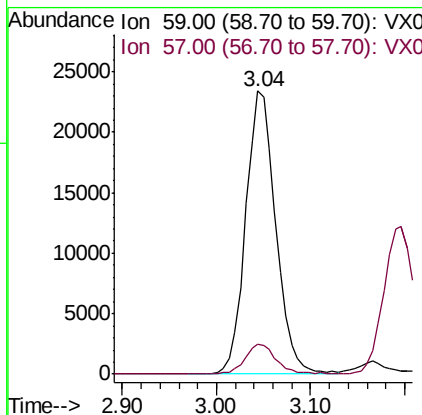
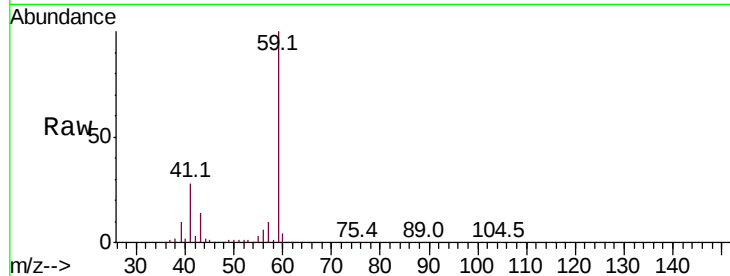
Tert butyl alcohol
Concen: 100.708 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX009431.D
Acq: 09 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD01

Tot Ion	59	Resp	52428
Ion Ratio	100	Lower	Upper
57	10.7	8.2	12.2

Manual Integrations
APPROVED

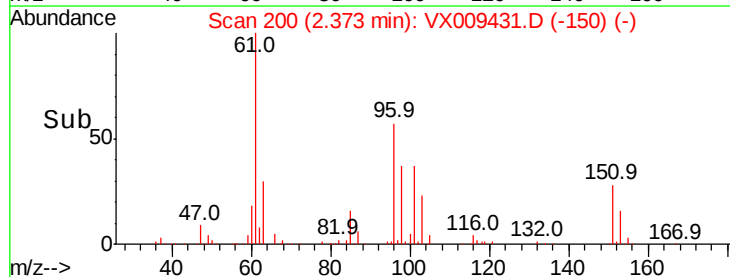
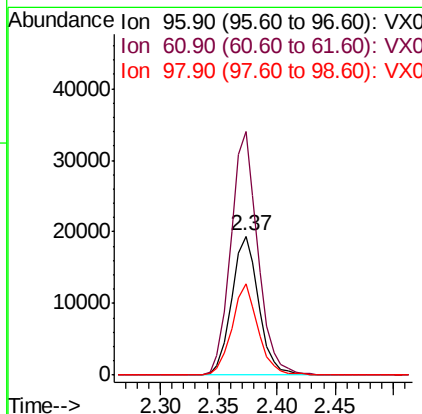
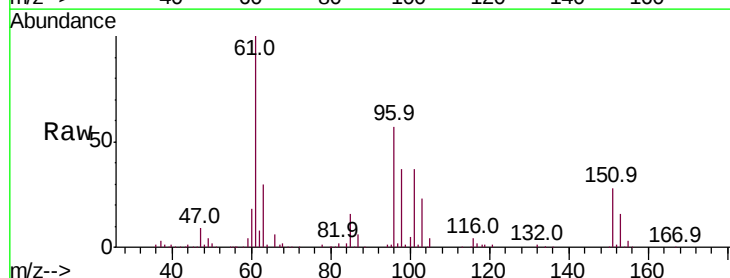
MMDadoda
5/10/2019 1:12:08 PM

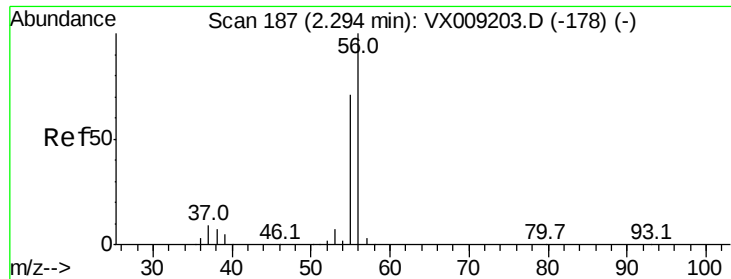


#12

1,1-Dichloroethene
Concen: 20.418 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009431.D
Acq: 09 May 2019 16:34

Tgt Ion	96	Resp	31562
Ion Ratio	100	Lower	Upper
61	175.0	144.3	216.5
98	65.4	50.3	75.5





#13

Acrolein

Concen: 108.315 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009431.D

Acq: 09 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD01

Tot Ion: 56 Resp: 51067

Ion Ratio Lower Upper

56 100

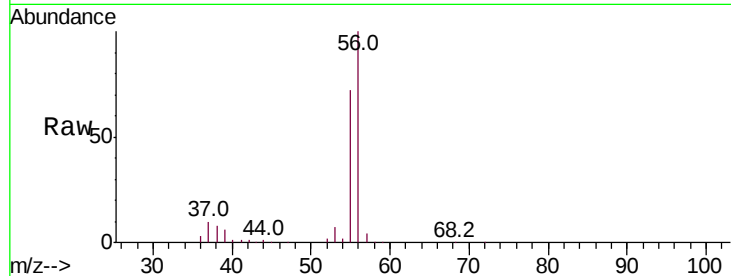
55 72.5 56.6 85.0

Manual Integrations

APPROVED

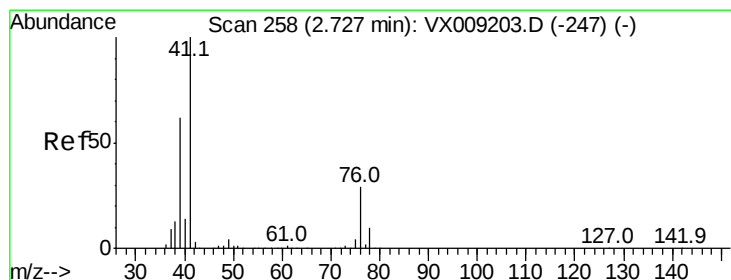
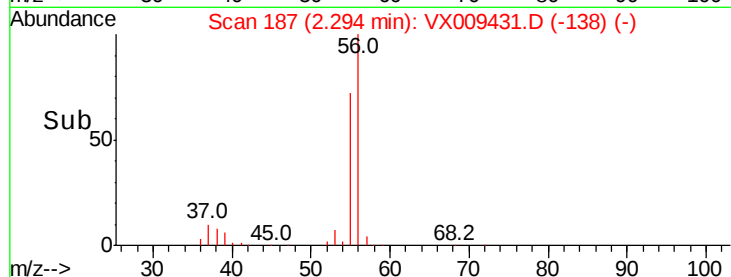
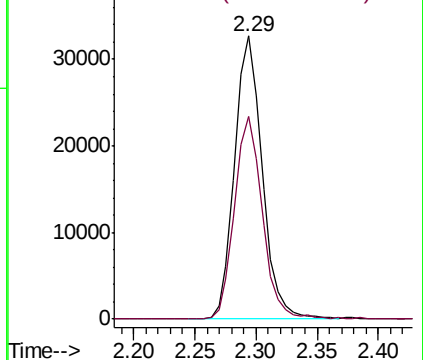
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 19.304 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009431.D

Acq: 09 May 2019 16:34

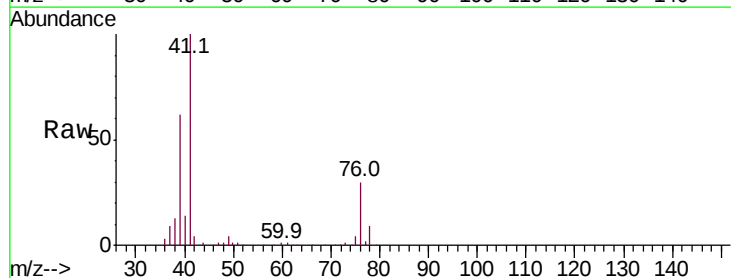
Tgt Ion: 41 Resp: 72721

Ion Ratio Lower Upper

41 100

39 58.8 46.7 70.1

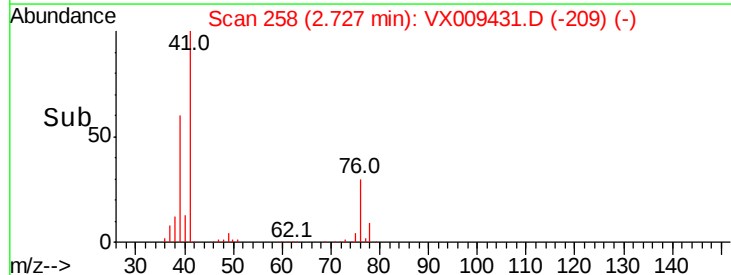
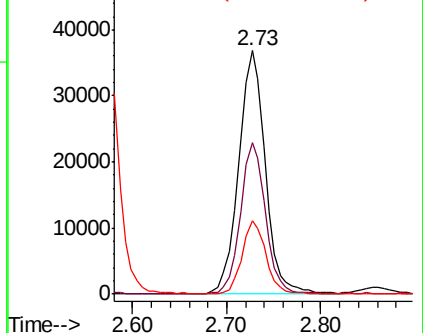
76 26.6 21.8 32.8

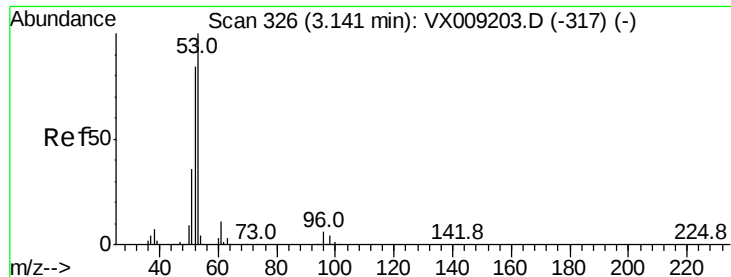


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





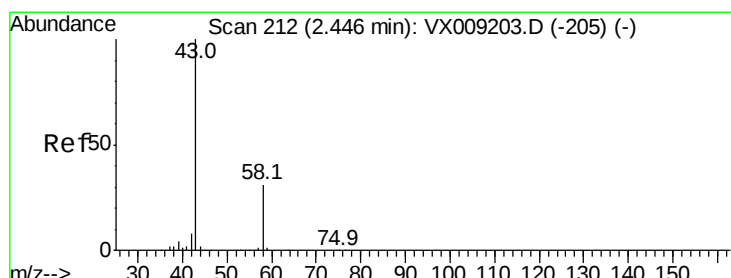
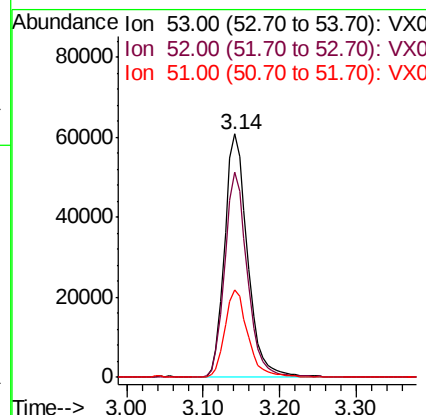
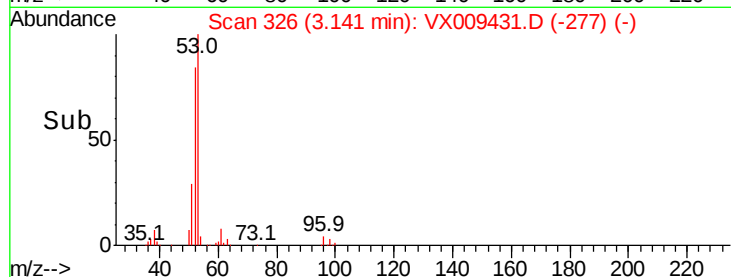
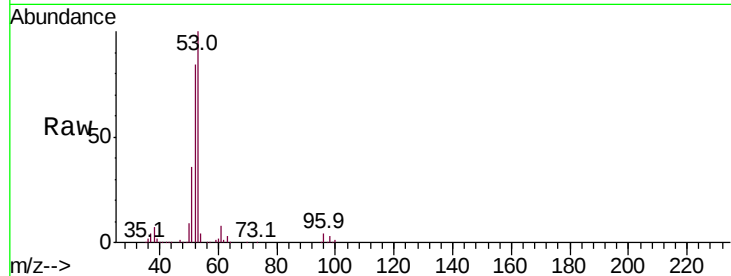
#15
 Acrylonitrile
 Concen: 98.723 ug/l
 RT: 3.14 min Scan# 326
 Delta R.T. -0.00 min
 Lab File: VX009431.D
 Acq: 09 May 2019 16:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.9	100.3
51	36.4	28.2	42.2

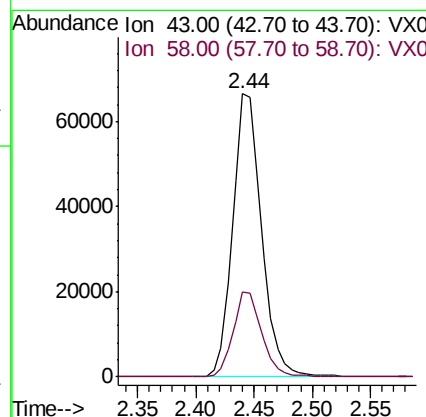
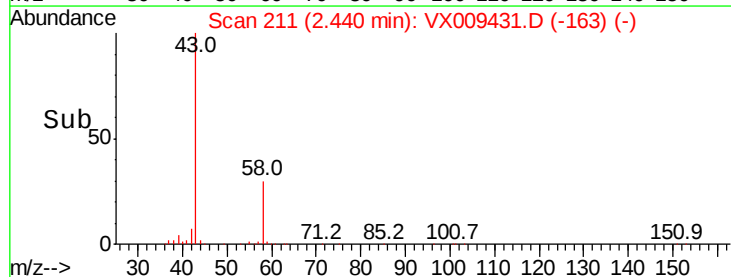
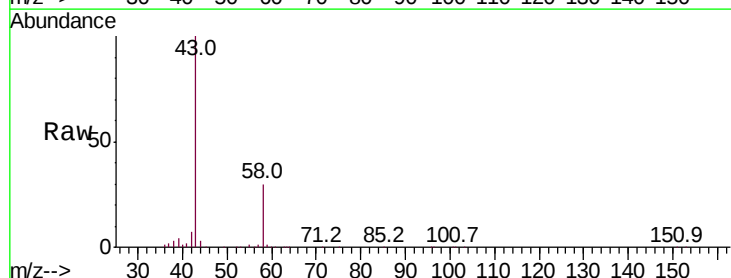
Manual Integrations
 APPROVED

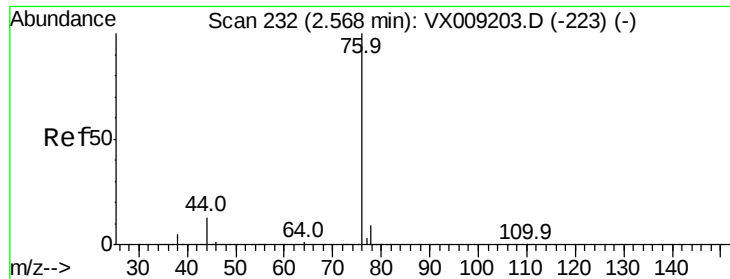
MMDadoda
 5/10/2019 1:12:08 PM



#16
 Acetone
 Concen: 94.375 ug/l
 RT: 2.44 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX009431.D
 Acq: 09 May 2019 16:34

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.0	24.9	37.3





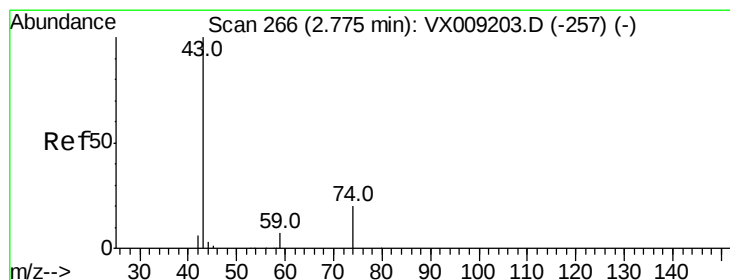
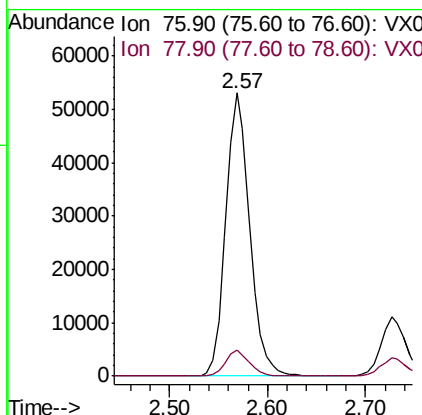
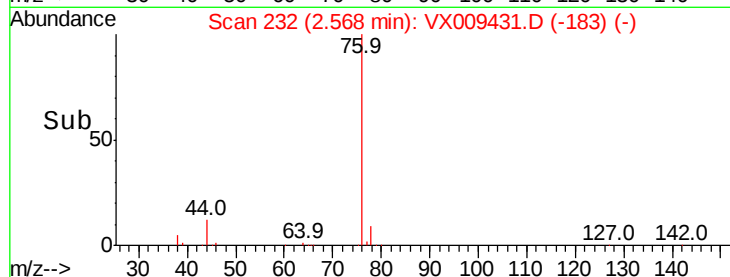
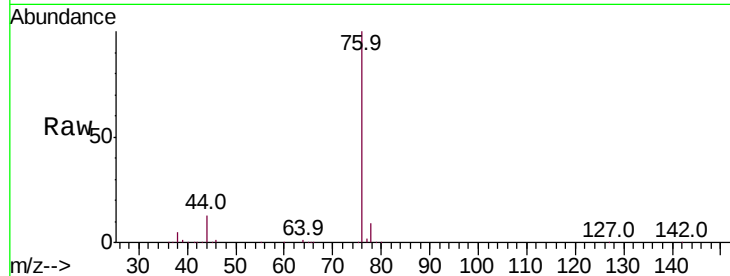
#17
Carbon Disulfide
Concen: 20.749 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX009431.D
Acq: 09 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD01

Tot Ion: 76 Resp: 90051
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0

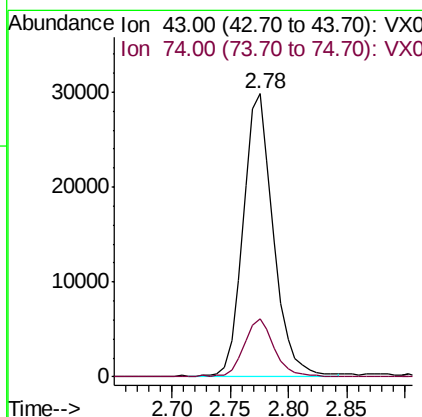
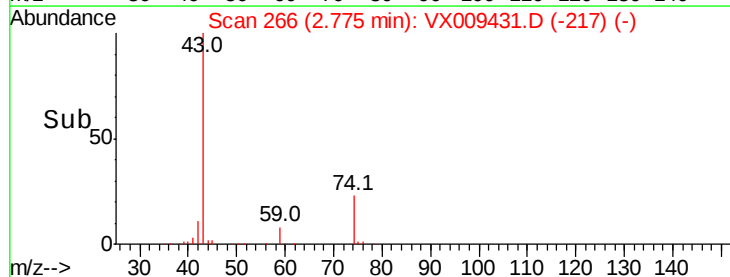
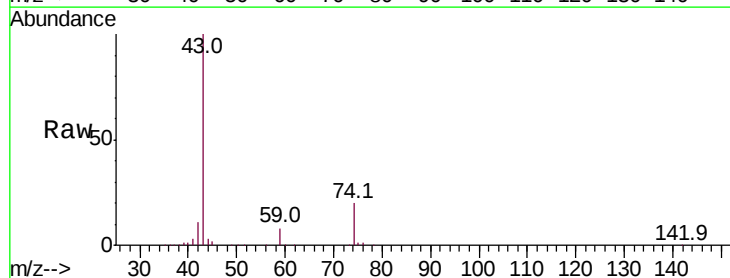
Manual Integrations
APPROVED

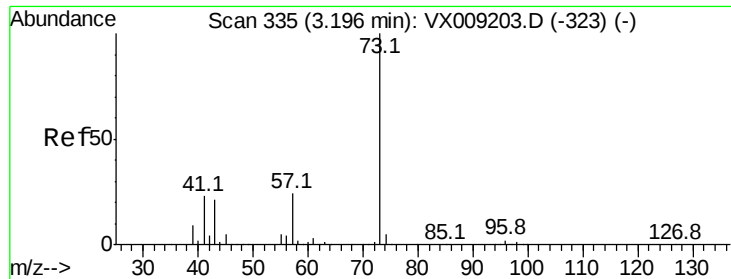
MMDadoda
5/10/2019 1:12:08 PM



#18
Methyl Acetate
Concen: 18.658 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX009431.D
Acq: 09 May 2019 16:34

Tgt Ion: 43 Resp: 53585
Ion Ratio Lower Upper
43 100
74 20.9 16.2 24.4





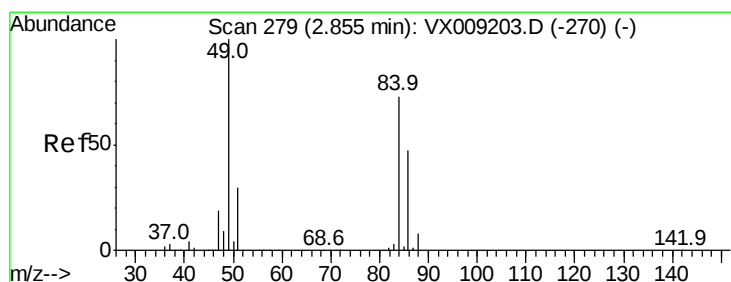
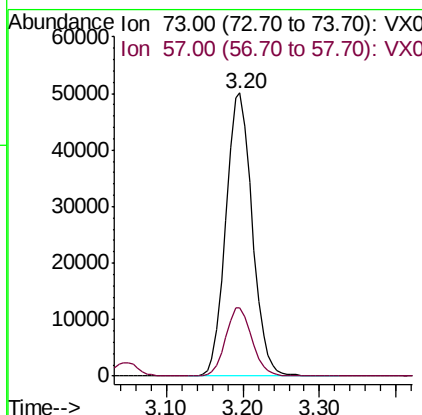
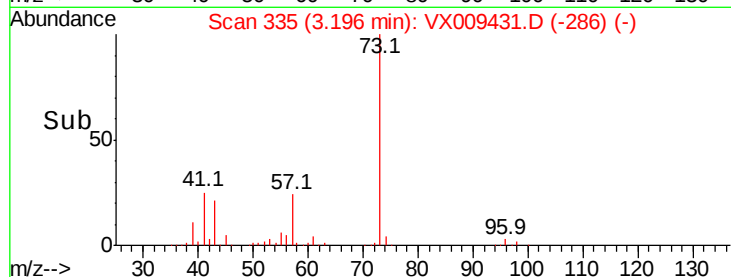
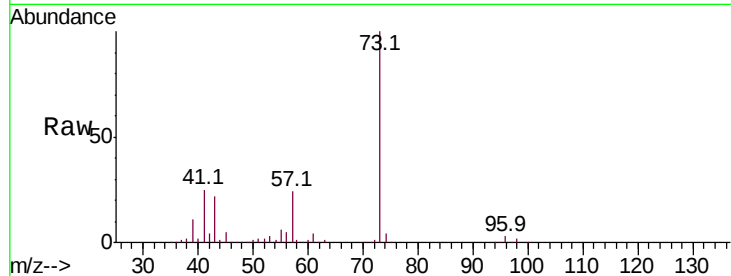
#19
Methyl tert-butyl Ether
Concen: 19.920 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009431.D
Acq: 09 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.4	19.3	28.9

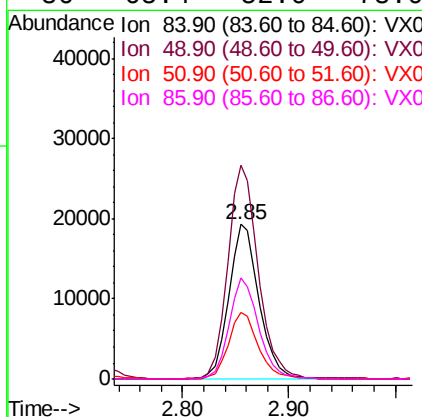
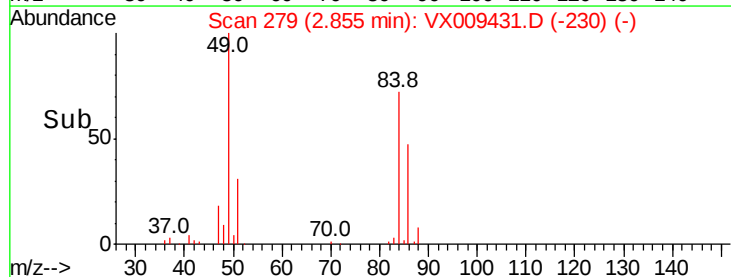
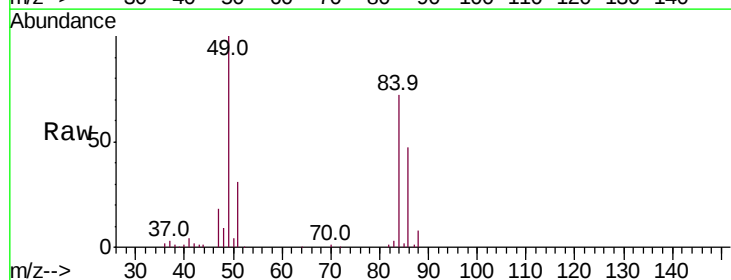
Manual Integrations
APPROVED

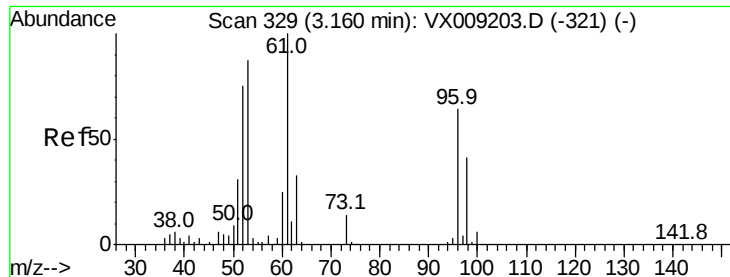
MMDadoda
5/10/2019 1:12:08 PM



#20
Methylene Chloride
Concen: 19.537 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009431.D
Acq: 09 May 2019 16:34

Tgt Ion	Ratio	Lower	Upper
84	100		
49	138.4	109.9	164.9
51	43.2	32.7	49.1
86	65.4	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 20.271 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009431.D

Acq: 09 May 2019 16:34

Instrument :

MSVOA_X

ClientSampled :

VX0509WBSD01

Tot Ion: 96 Resp: 33983

Ion Ratio Lower Upper

96 100

61 150.3 124.5 186.7

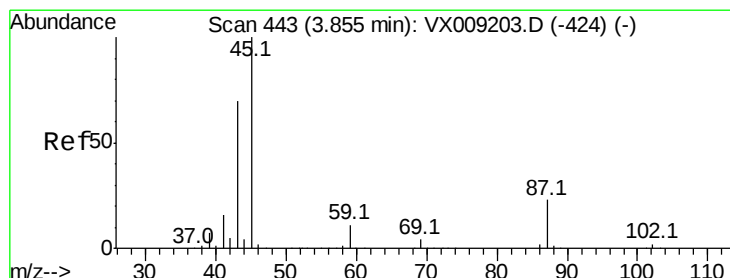
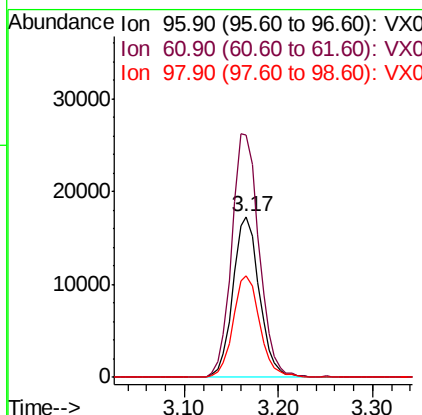
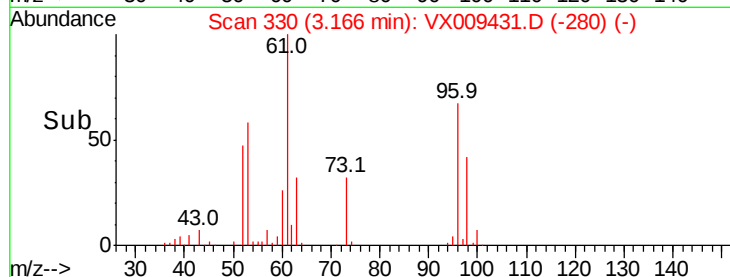
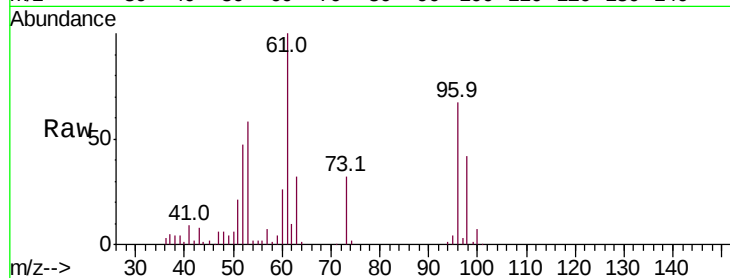
98 63.3 50.4 75.6

Manual Integrations

APPROVED

MMDadoda

5/10/2019 1:12:08 PM



#22

Diisopropyl ether

Concen: 20.016 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009431.D

Acq: 09 May 2019 16:34

Tgt Ion: 45 Resp: 145009

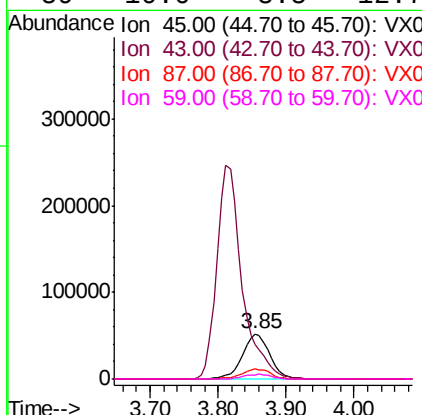
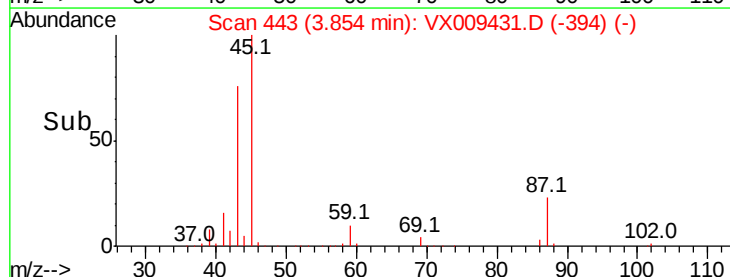
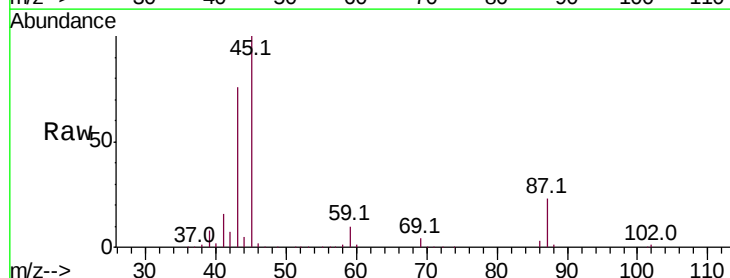
Ion Ratio Lower Upper

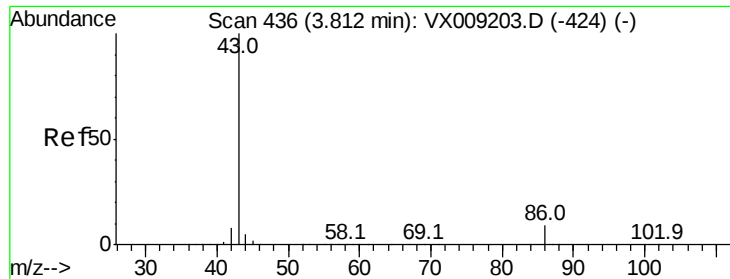
45 100

43 76.3 56.1 84.1

87 22.8 18.1 27.1

59 10.0 8.5 12.7





#23

Vinyl Acetate

Concen: 102.388 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX009431.D

Acq: 09 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD01

Tot Ion: 43 Resp: 635188

Ion Ratio Lower Upper

43 100

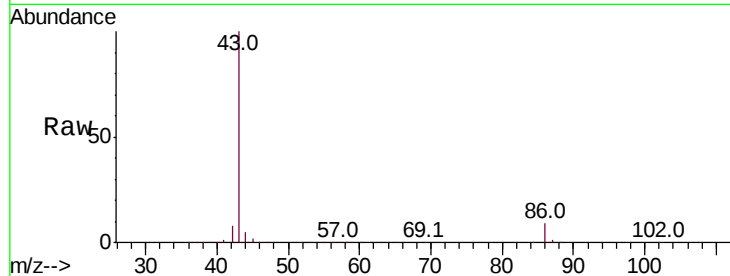
86 8.7 6.9 10.3

Manual Integrations

APPROVED

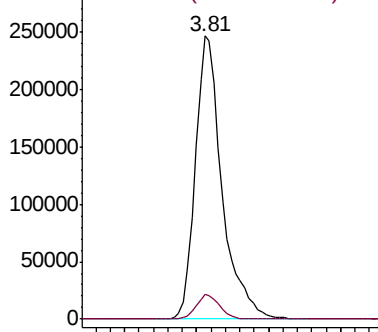
MMDadoda

5/10/2019 1:12:08 PM

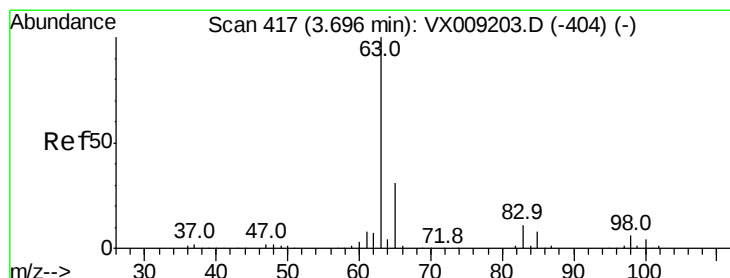
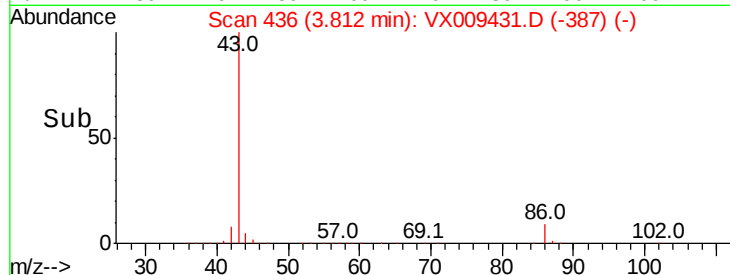


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



Time-->



#24

1,1-Dichloroethane

Concen: 19.665 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009431.D

Acq: 09 May 2019 16:34

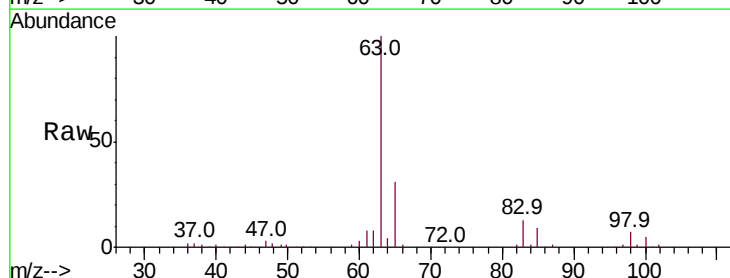
Tgt Ion: 63 Resp: 70282

Ion Ratio Lower Upper

63 100

98 6.9 3.0 9.2

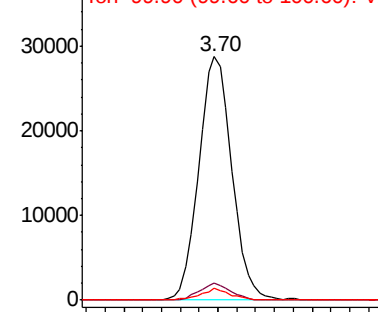
100 4.9 2.0 6.0



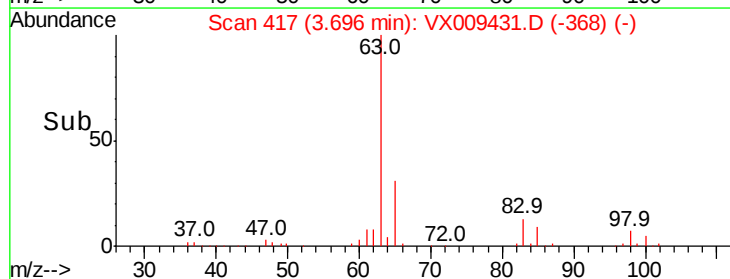
Abundance Ion 62.90 (62.60 to 63.60): VX0

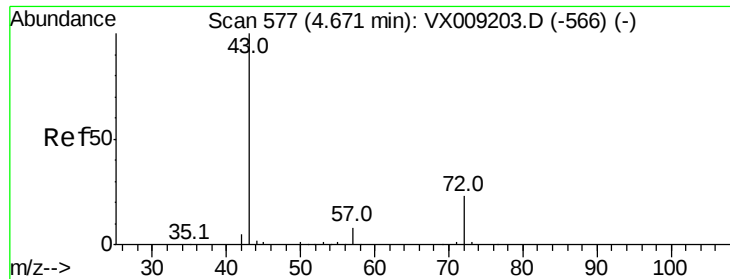
Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



Time-->





#25

2-Butanone

Concen: 99.564 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX009431.D

Acq: 09 May 2019 16:34

Instrument :

MSVOA_X

ClientSampled :

VX0509WBSD01

Tot Ion: 43 Resp: 186844

Ion Ratio Lower Upper

43 100

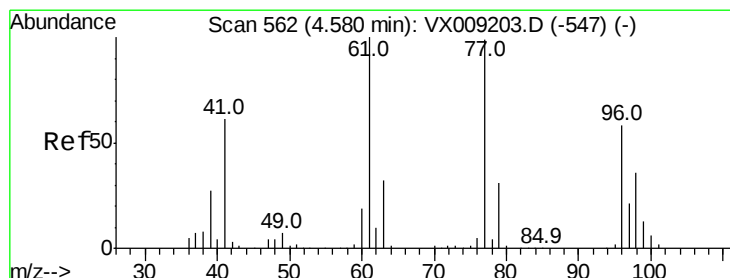
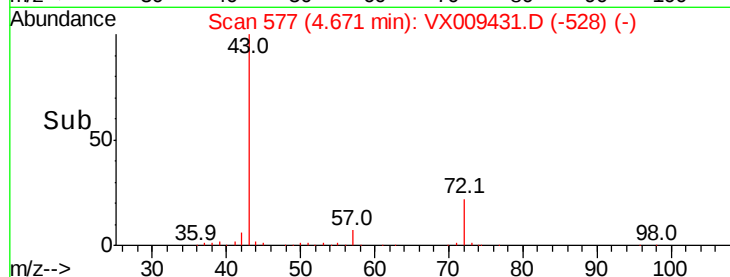
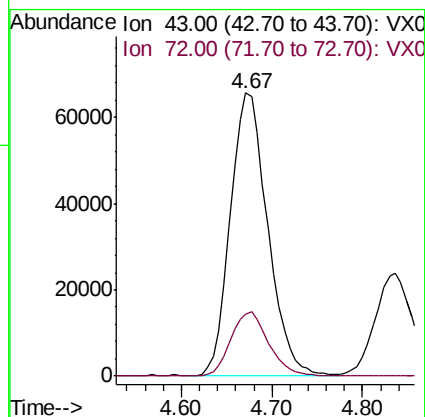
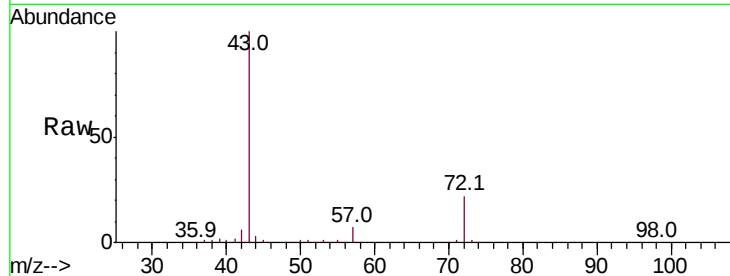
72 21.8 18.2 27.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.239 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009431.D

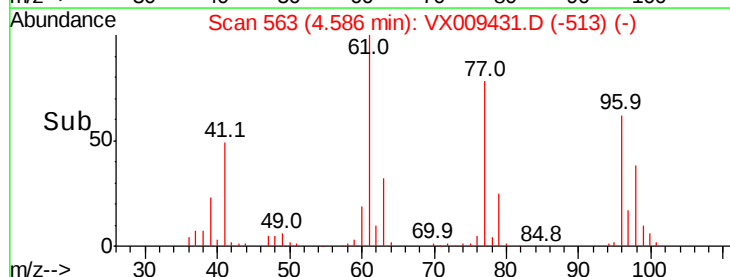
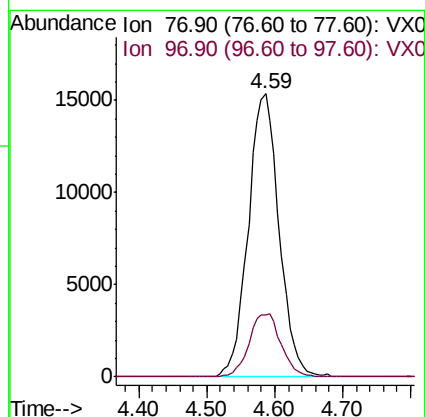
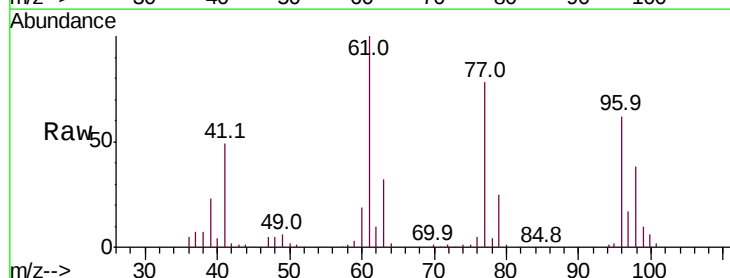
Acq: 09 May 2019 16:34

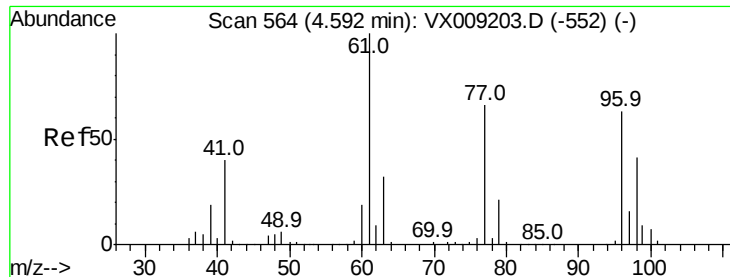
Tgt Ion: 77 Resp: 48519

Ion Ratio Lower Upper

77 100

97 23.1 11.5 34.4





#27

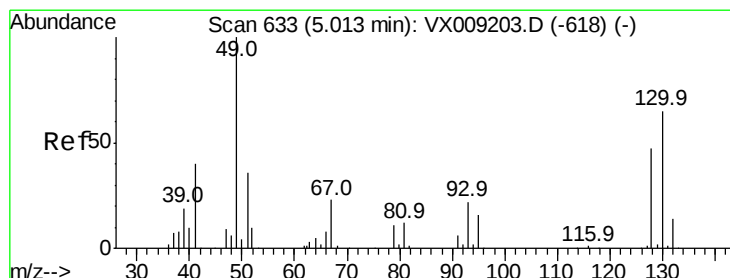
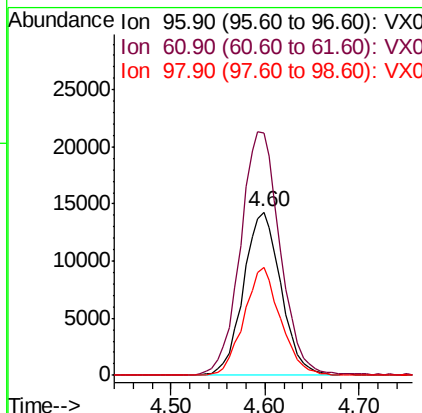
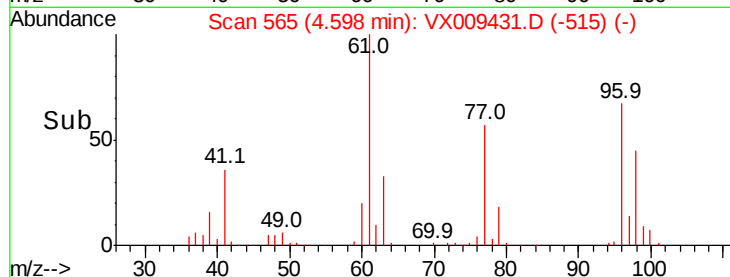
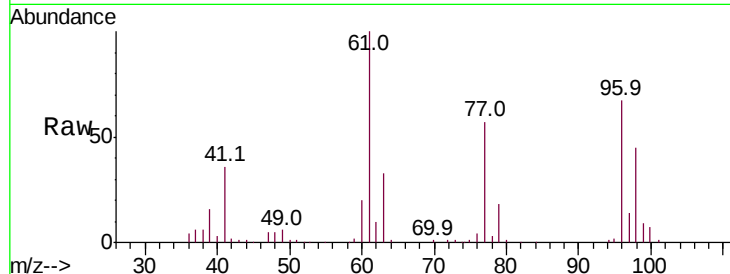
cis-1,2-Dichloroethene
Concen: 19.931 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009431.D
Acq: 09 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.4	0.0	324.0
98	64.8	0.0	130.4

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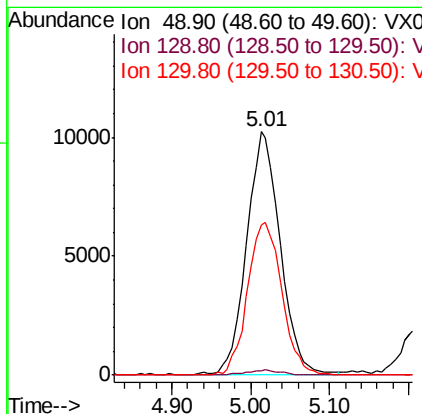
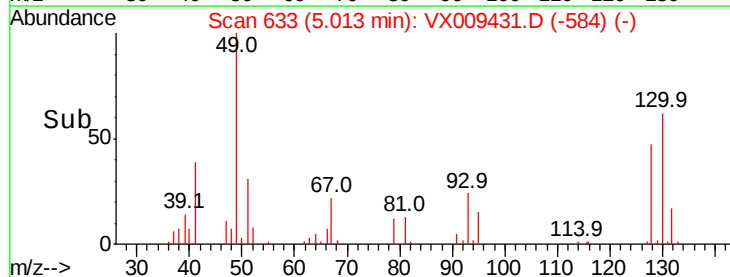
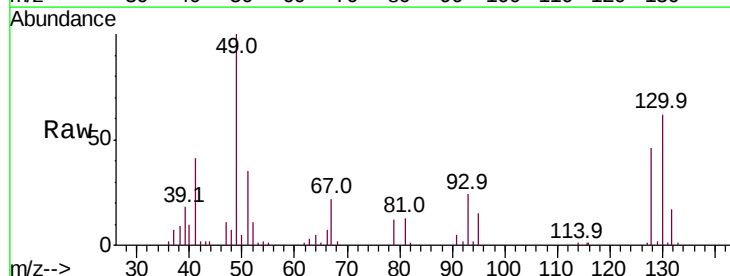
MMDadoda
5/10/2019 1:12:08 PM

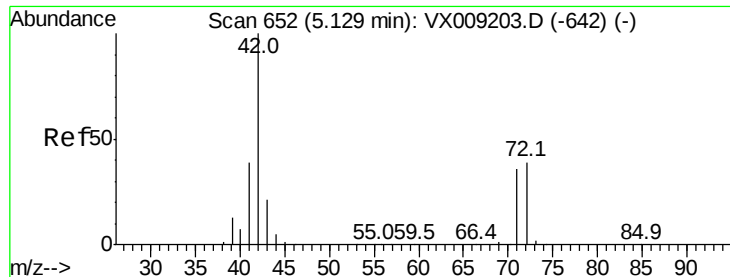


#28

Bromochloromethane
Concen: 19.467 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009431.D
Acq: 09 May 2019 16:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	63.9	51.2	76.8





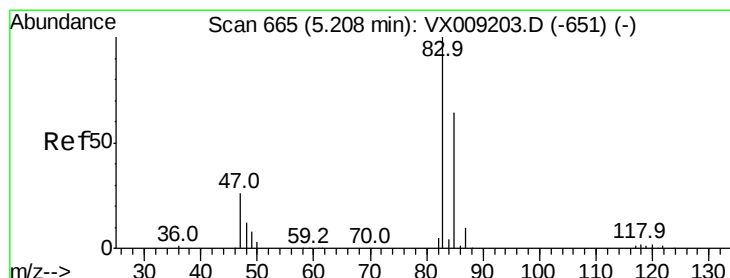
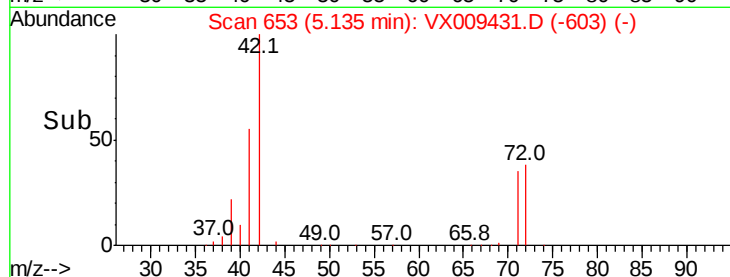
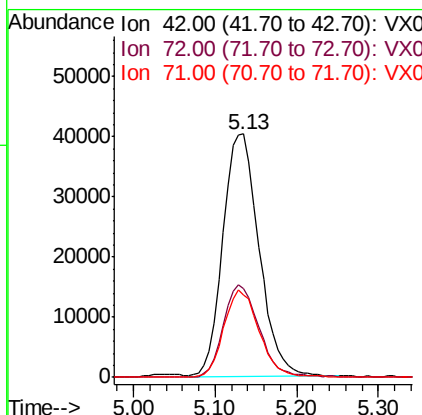
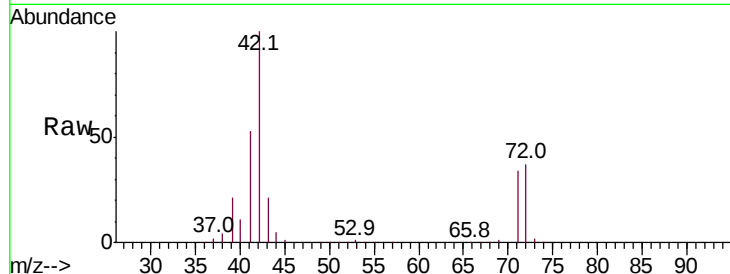
#29
Tetrahydrofuran
Concen: 102.850 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.01 min
Lab File: VX009431.D
Acq: 09 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.6	30.4	45.6
71	35.3	28.6	43.0

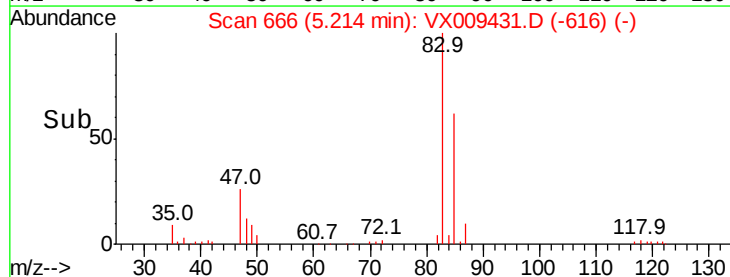
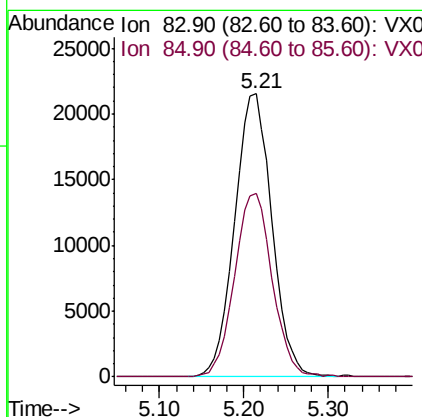
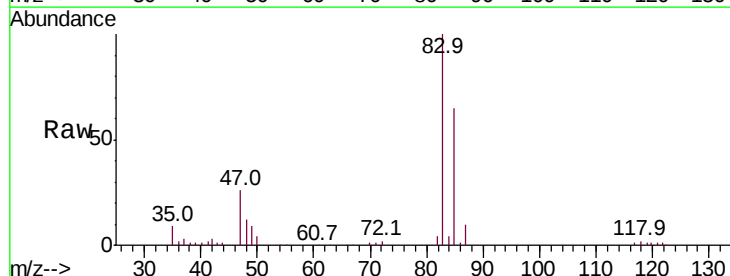
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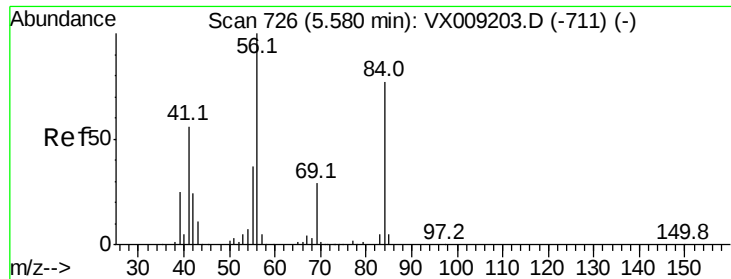
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#30
Chloroform
Concen: 19.978 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX009431.D
Acq: 09 May 2019 16:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.5	77.3





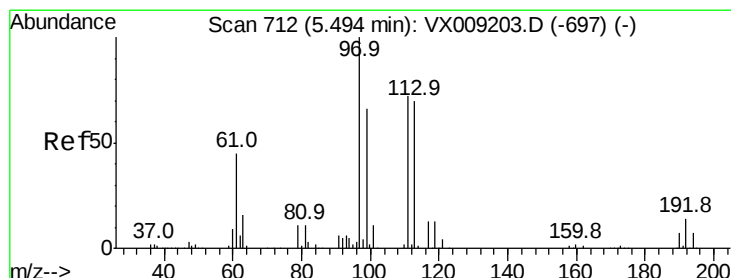
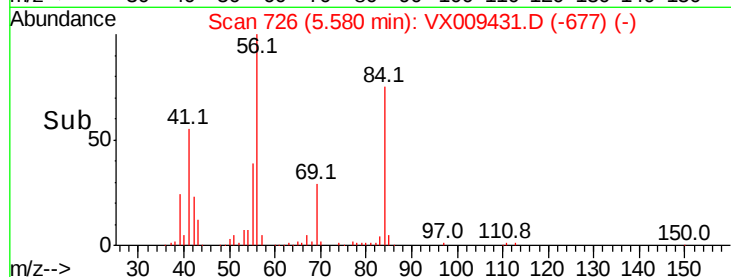
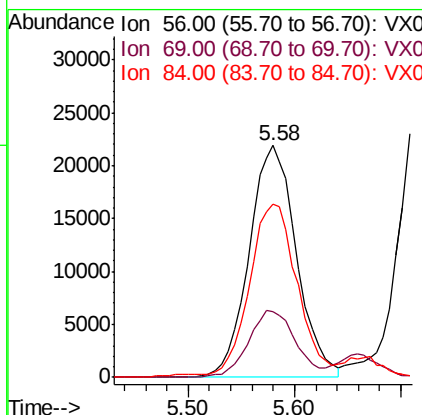
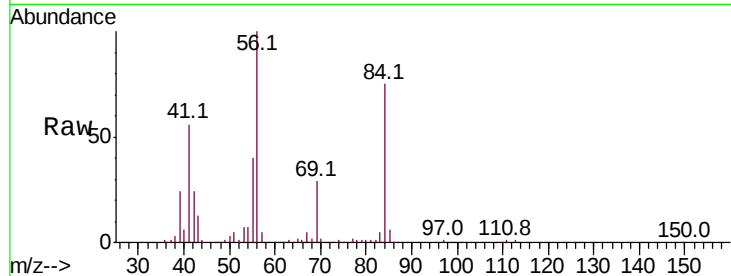
#31
Cyclohexane
Concen: 20.450 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX009431.D
Acq: 09 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.3	23.4	35.0
84	73.4	61.9	92.9

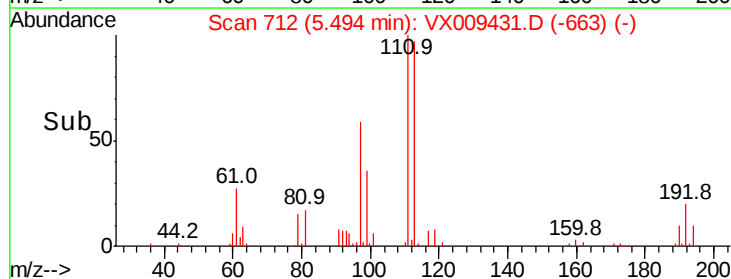
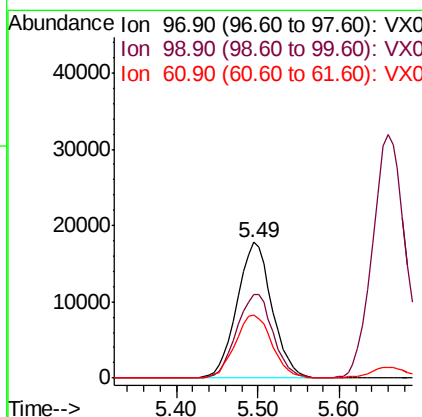
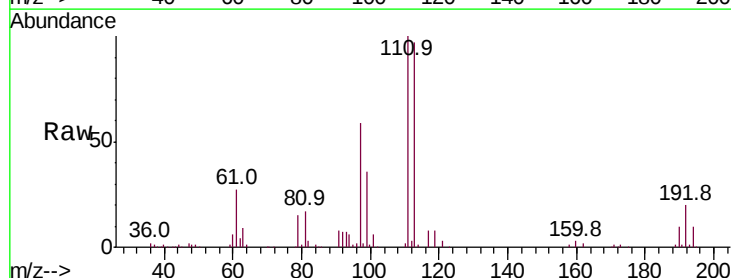
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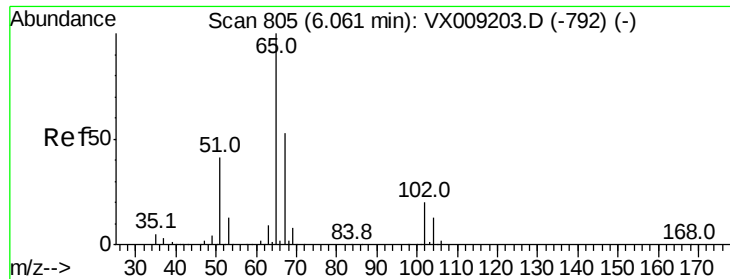
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#32
1,1,1-Trichloroethane
Concen: 19.719 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX009431.D
Acq: 09 May 2019 16:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.8	77.8
61	49.0	37.8	56.8





#33

1,2-Dichloroethane-d4

Concen: 49.840 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009431.D

Acq: 09 May 2019 16:34

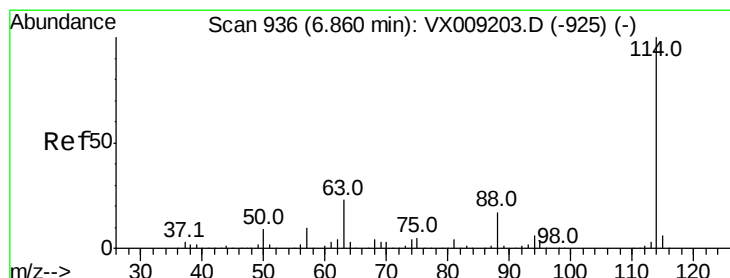
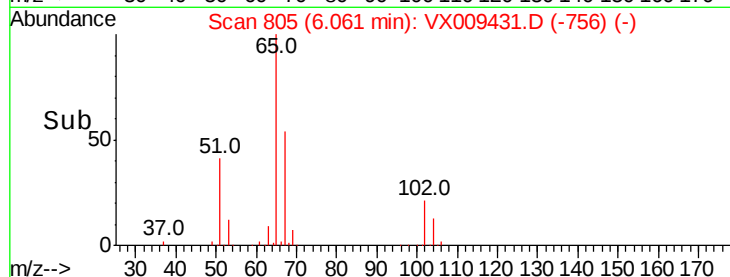
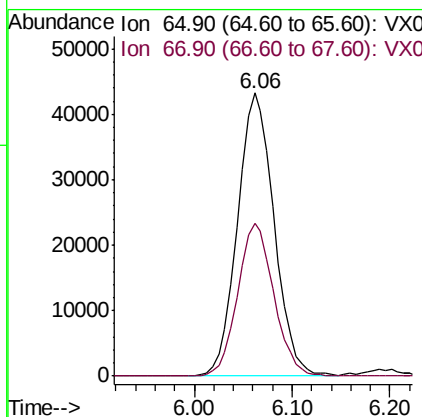
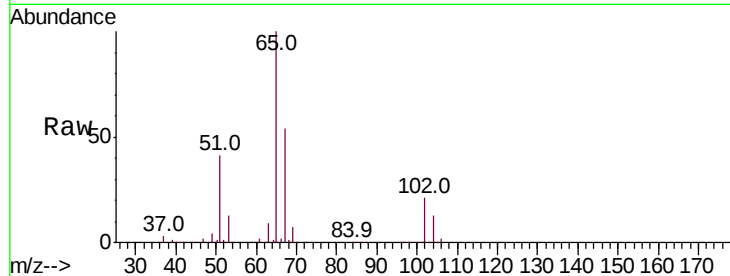
Instrument :
MSVOA_X

ClientSampleId :
VX0509WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	106.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

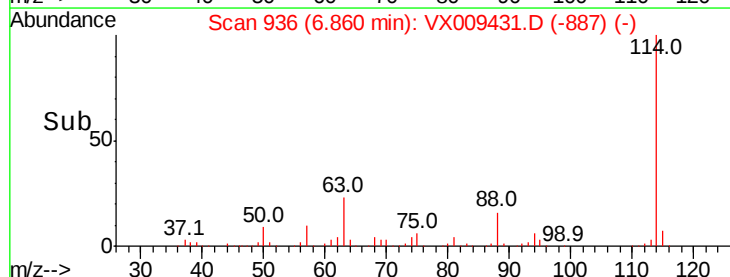
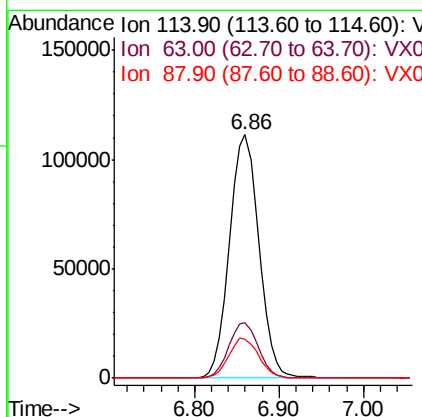
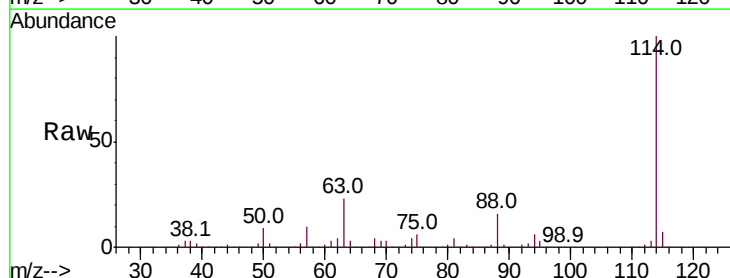
RT: 6.86 min Scan# 936

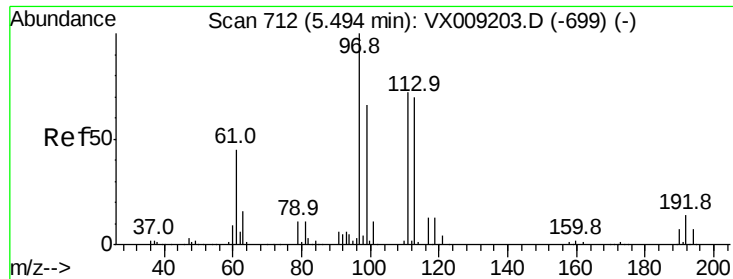
Delta R.T. -0.00 min

Lab File: VX009431.D

Acq: 09 May 2019 16:34

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	45.6
88	16.1	0.0	33.2





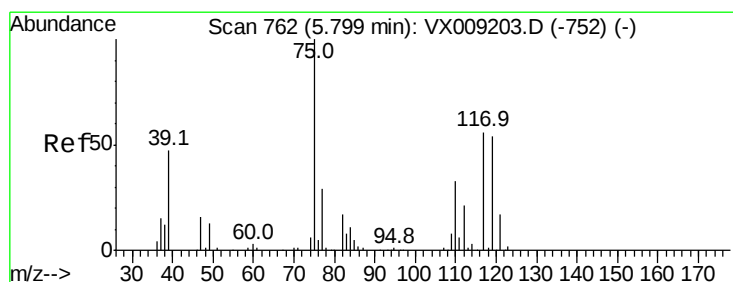
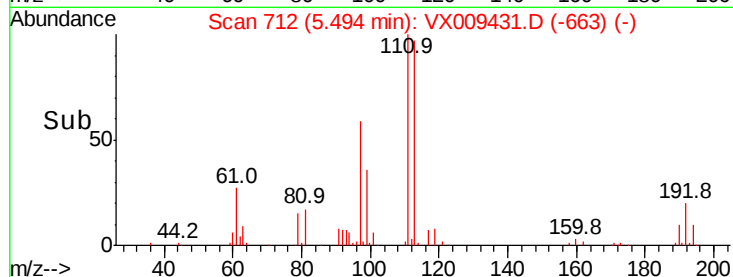
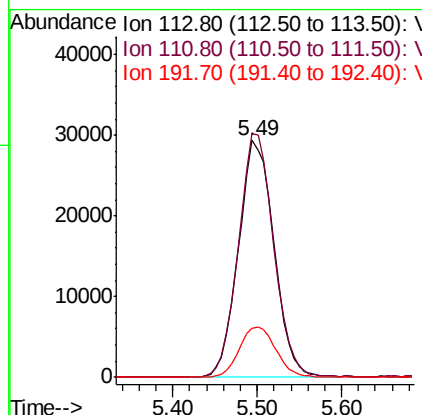
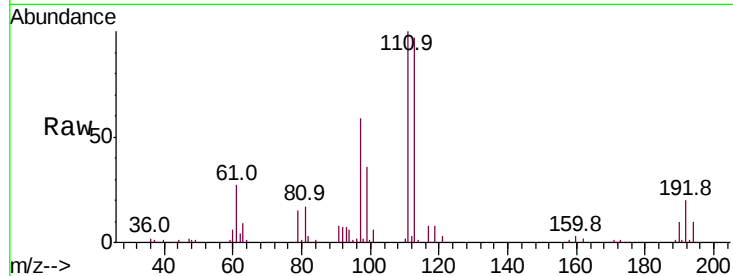
#35
 Dibromofluoromethane
 Concen: 50.491 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.00 min
 Lab File: VX009431.D
 Acq: 09 May 2019 16:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.2	82.8	124.2	
192	21.9	17.0	25.6	

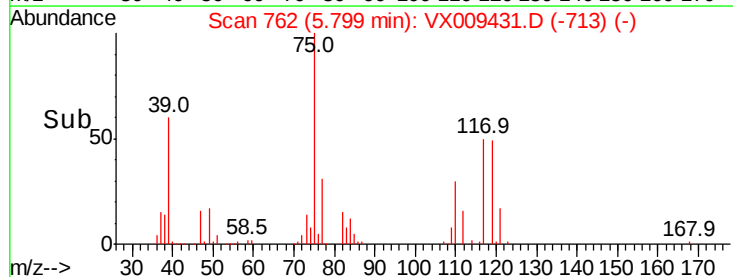
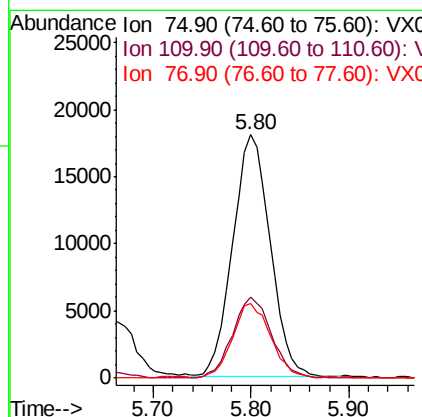
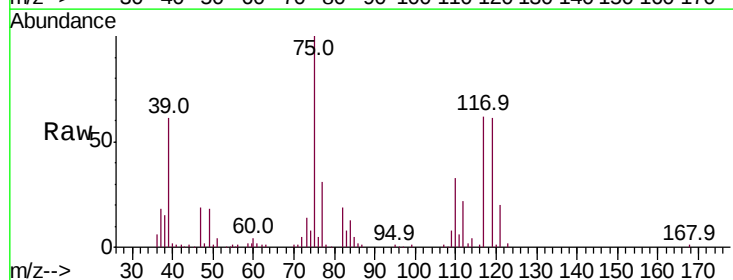
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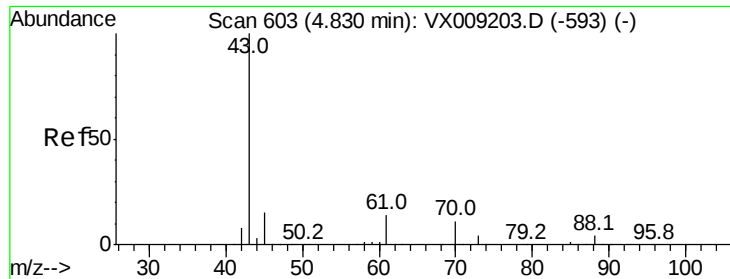
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#36
 1,1-Dichloropropene
 Concen: 19.661 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX009431.D
 Acq: 09 May 2019 16:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	34.6	16.9	50.6	
77	31.0	24.8	37.2	





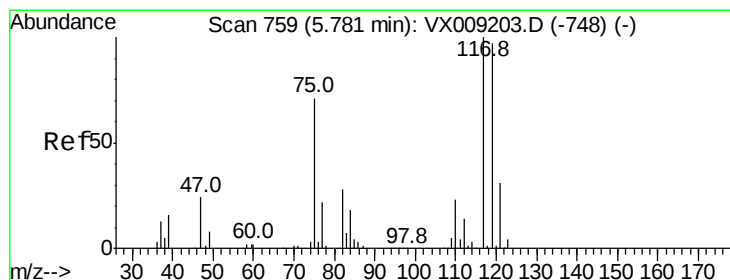
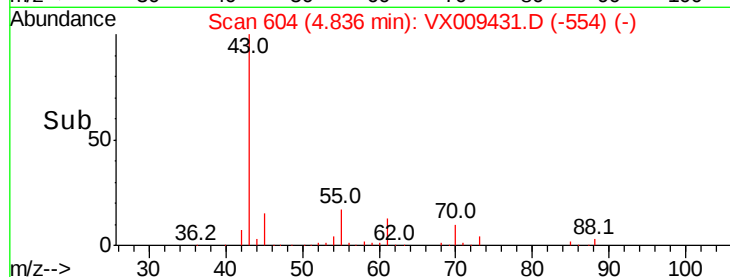
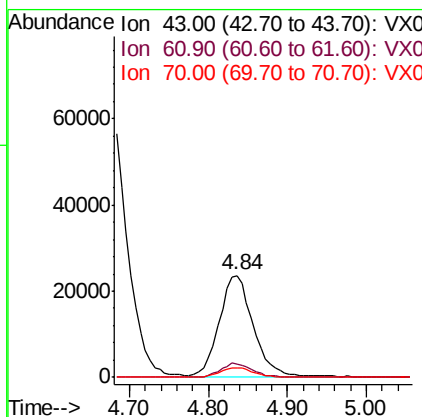
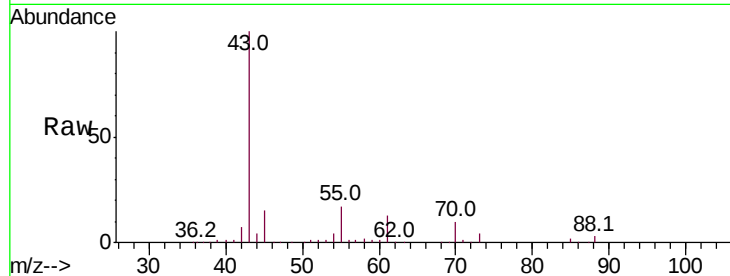
#37
Ethyl Acetate
Concen: 20.401 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009431.D
Acq: 09 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.5	15.7
70	9.7	7.9	11.9

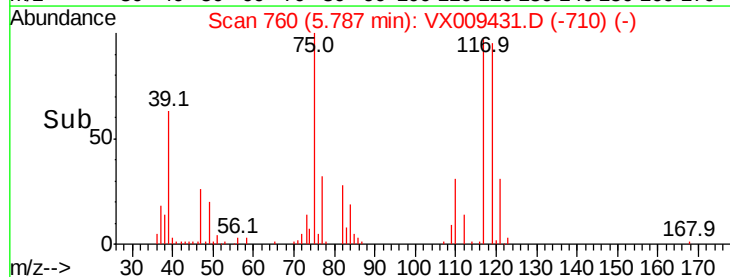
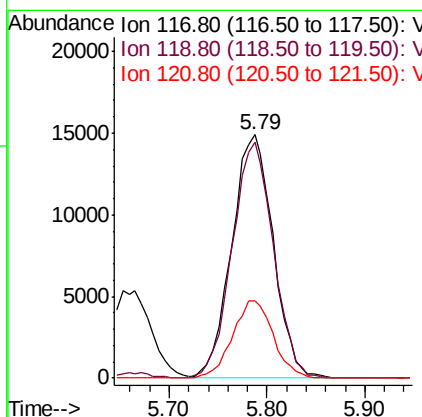
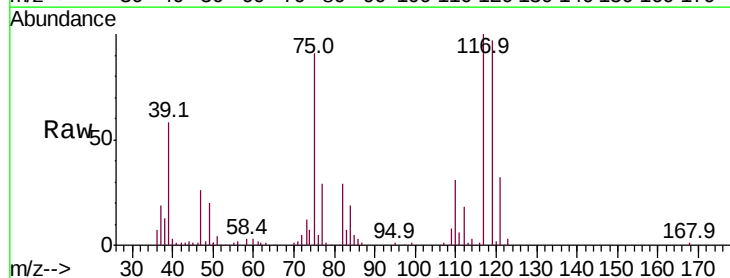
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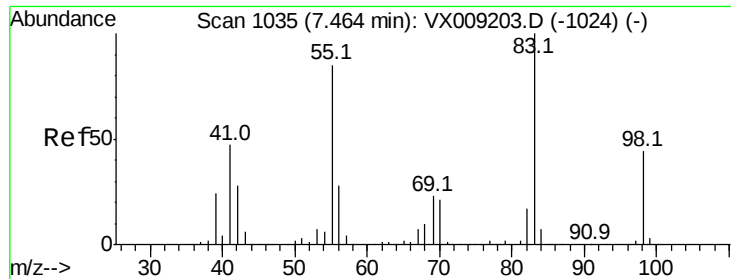
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#38
Carbon Tetrachloride
Concen: 19.720 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX009431.D
Acq: 09 May 2019 16:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.5	116.3
121	31.9	24.7	37.1





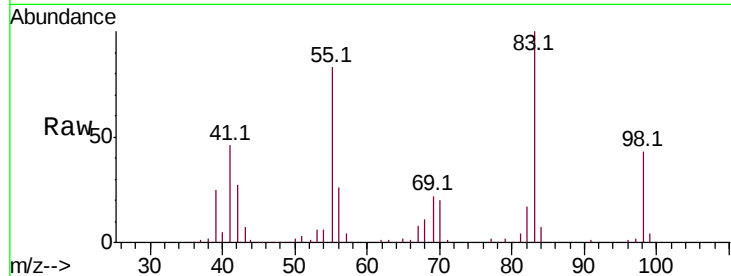
#39
Methvlcvclohexane
Concen: 20.333 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009431.D
Acq: 09 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD01

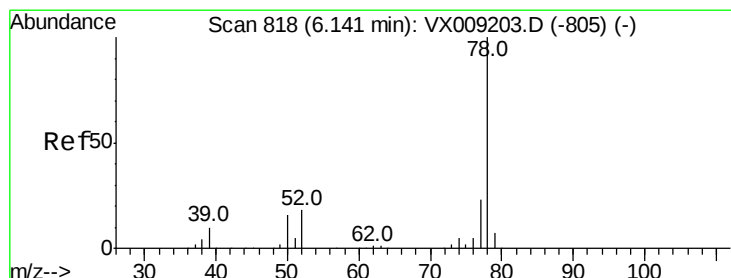
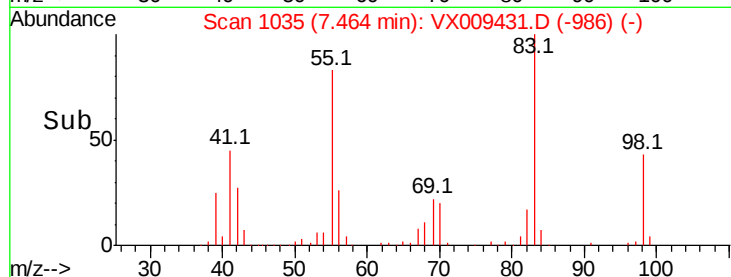
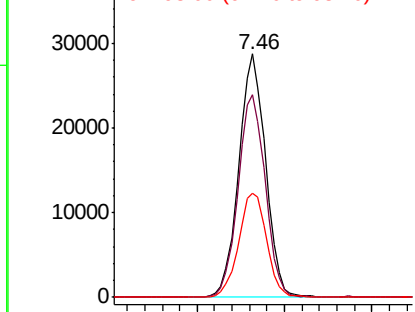
Tot Ion	Ratio	Lower	Upper
83	100		
55	83.3	67.7	101.5
98	42.5	35.5	53.3

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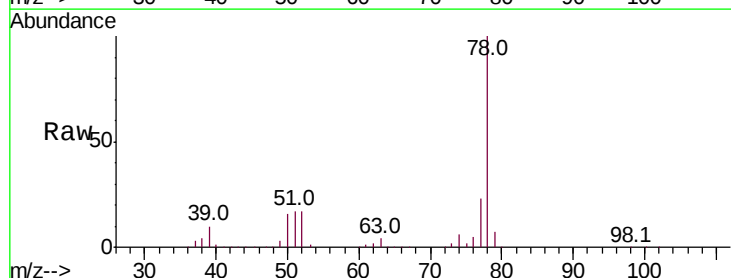


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

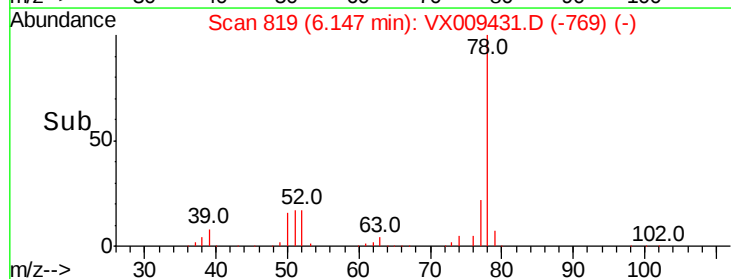
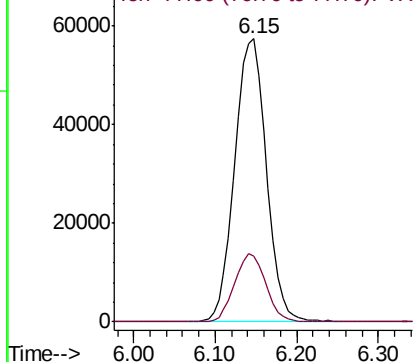


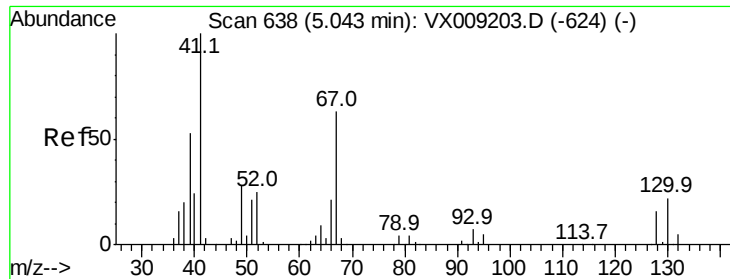
#40
Benzene
Concen: 20.385 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX009431.D
Acq: 09 May 2019 16:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 19.497 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX009431.D

Acq: 09 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD01

Tot Ion: 41 Resp: 39653

Ion Ratio Lower Upper

41 100

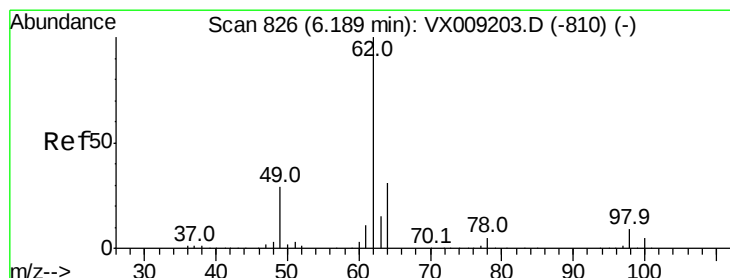
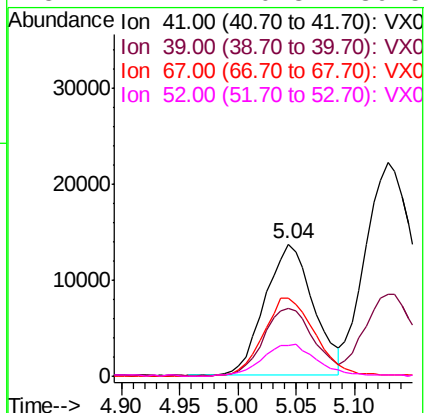
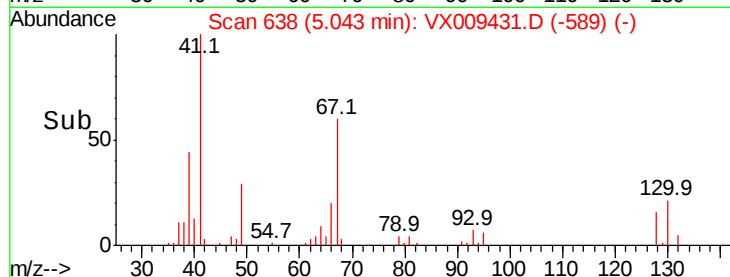
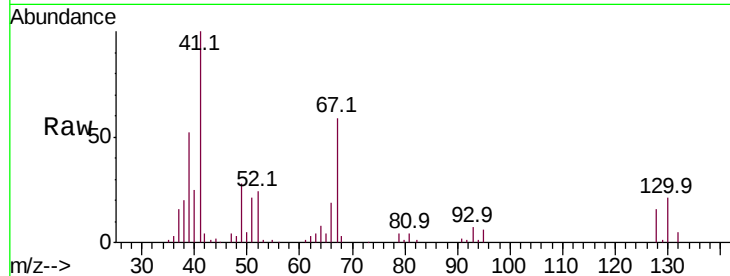
39 52.6 42.0 63.0

67 63.2 49.8 74.8

52 27.4 20.3 30.5

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#42

1,2-Dichloroethane

Concen: 20.544 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.00 min

Lab File: VX009431.D

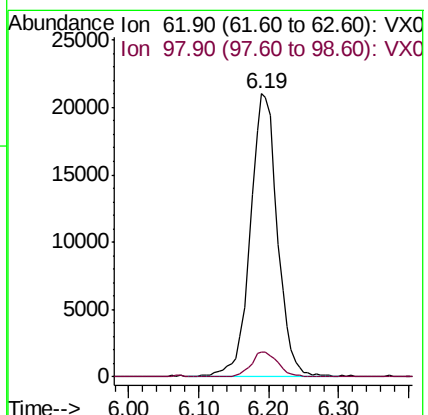
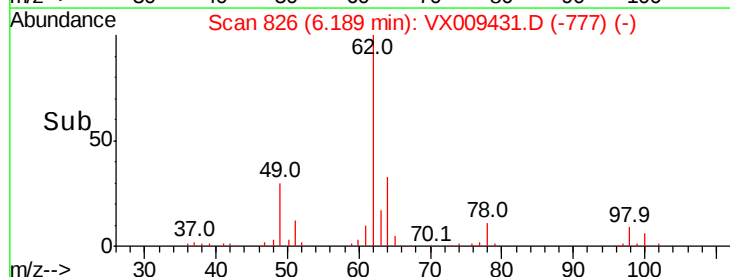
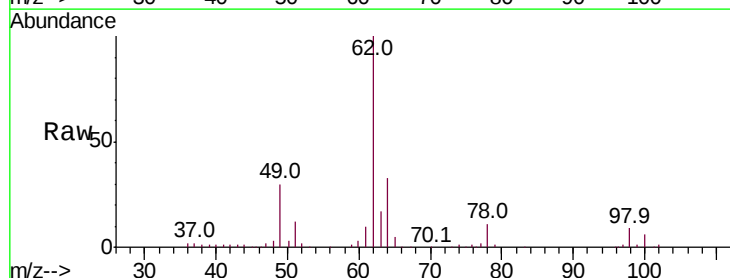
Acq: 09 May 2019 16:34

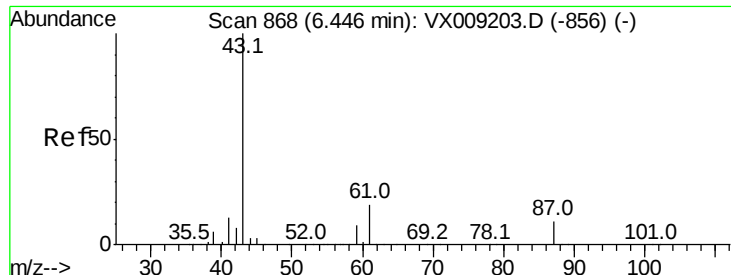
Tgt Ion: 62 Resp: 55927

Ion Ratio Lower Upper

62 100

98 8.9 0.0 18.2





#43

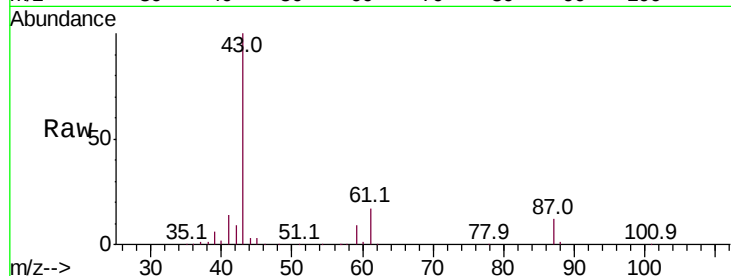
Isopropyl Acetate
 Concen: 19.978 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX009431.D
 Acq: 09 May 2019 16:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.1	22.7
87	11.4	9.0	13.6

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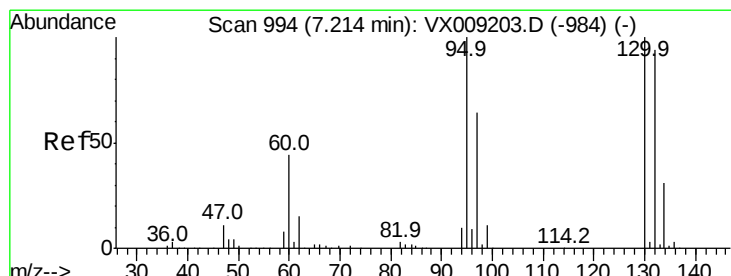
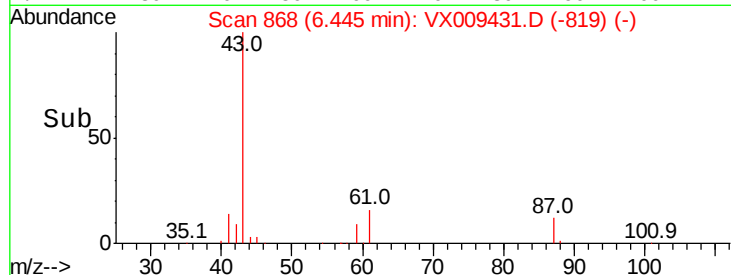
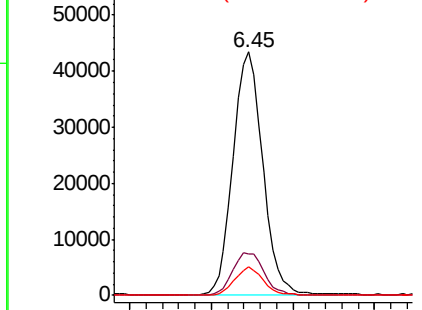


Abundance

Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

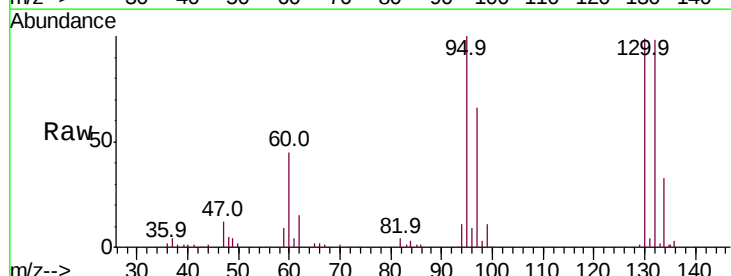
Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene
 Concen: 19.787 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009431.D
 Acq: 09 May 2019 16:34

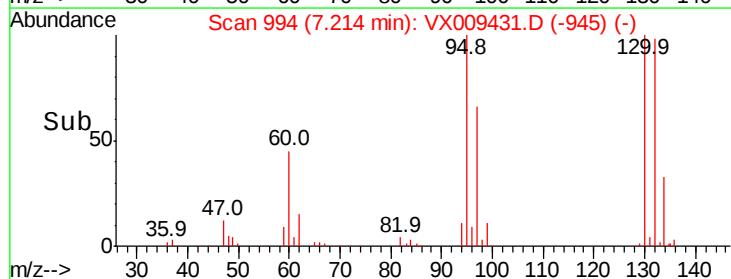
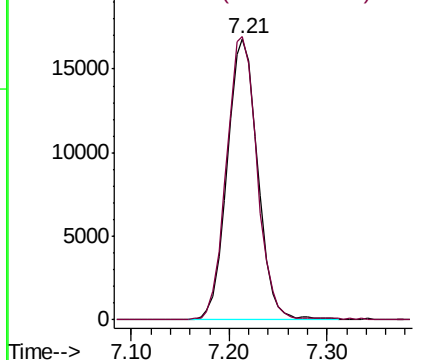
Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.7	0.0	199.2

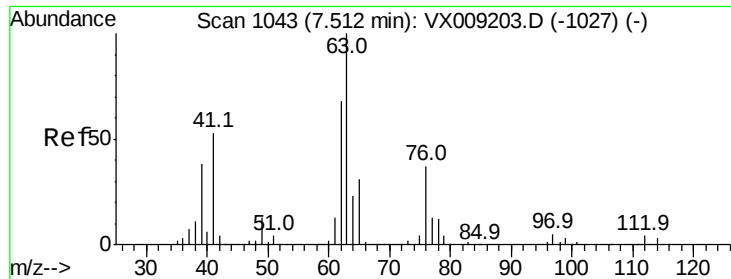


Abundance

Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 19.990 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009431.D

Acq: 09 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD01

Tot Ion: 63 Resp: 42957

Ion Ratio Lower Upper

63 100

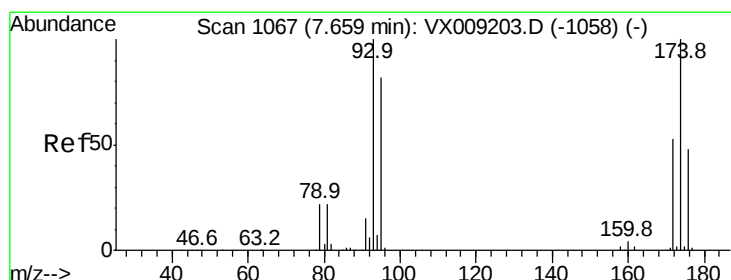
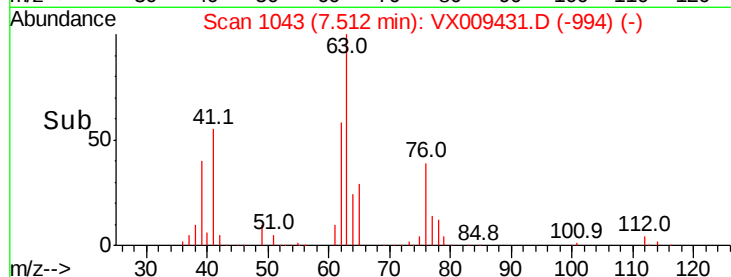
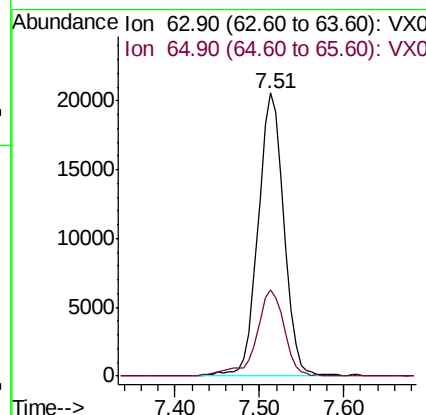
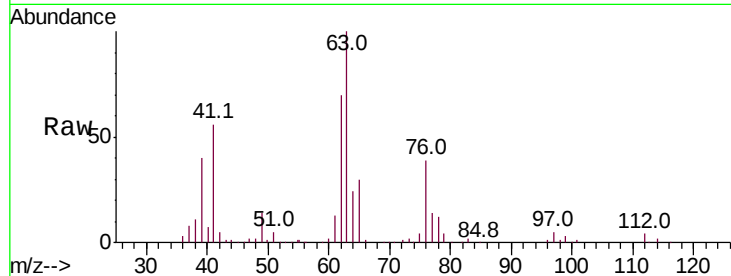
65 30.3 25.0 37.6

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#46

Dibromomethane

Concen: 19.948 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009431.D

Acq: 09 May 2019 16:34

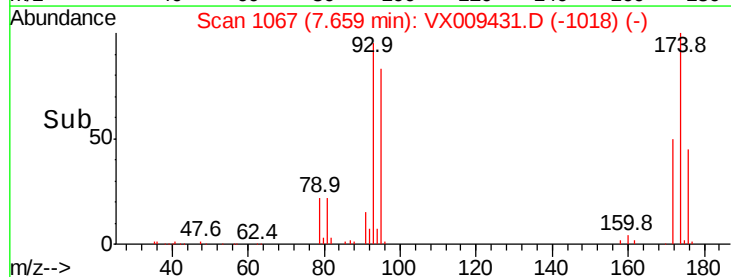
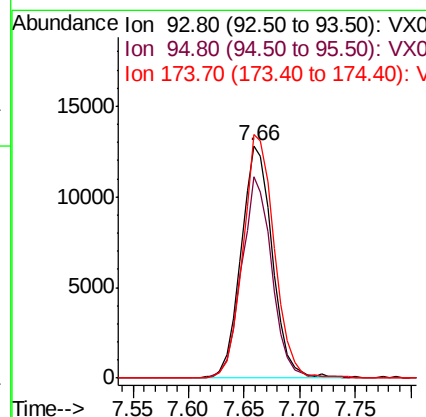
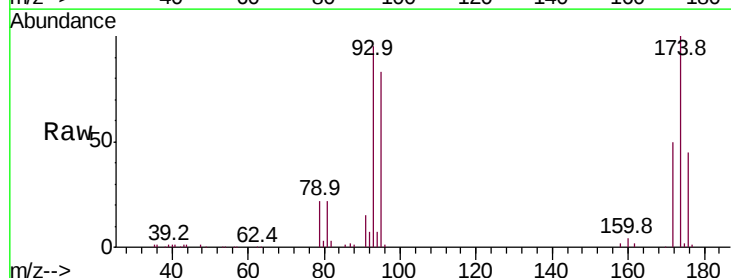
Tgt Ion: 93 Resp: 24893

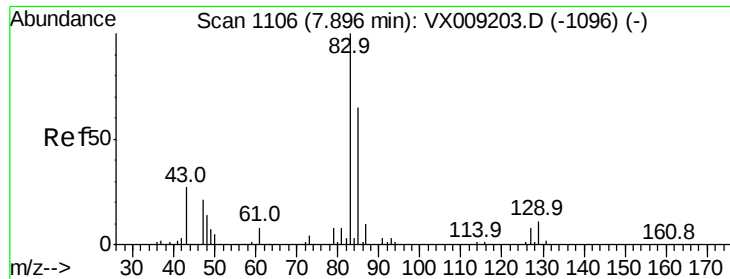
Ion Ratio Lower Upper

93 100

95 83.5 66.5 99.7

174 105.3 82.1 123.1





#47

Bromodichloromethane

Concen: 19.706 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009431.D

Acq: 09 May 2019 16:34

Instrument :

MSVOA_X

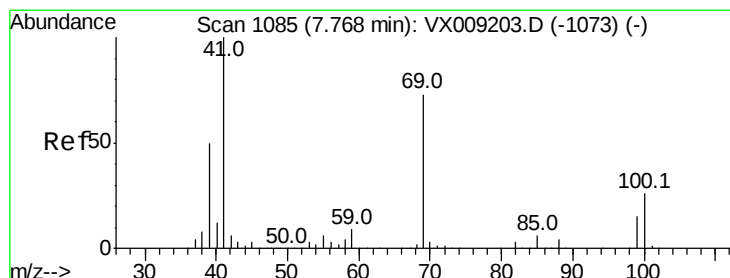
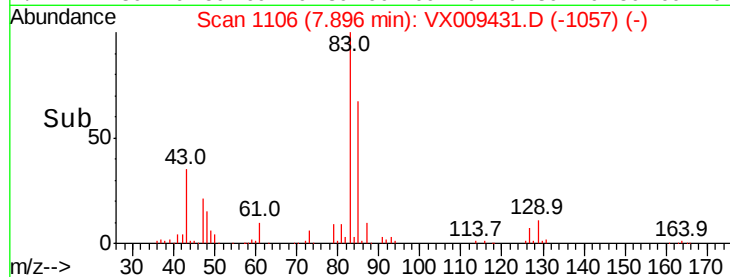
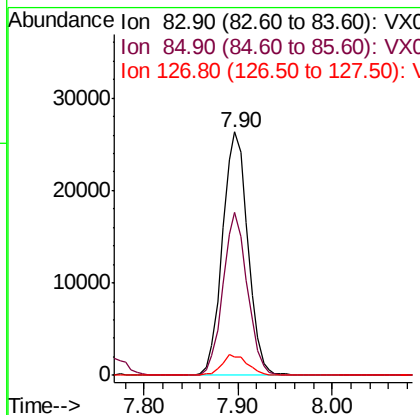
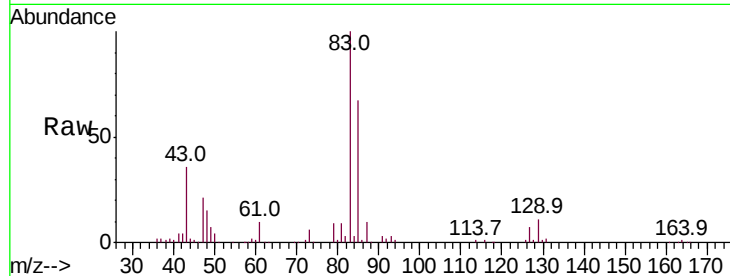
ClientSampleId :

VX0509WBSD01

Tot Ion:	83	Resp:	49053
Ion	Ratio	Lower	Upper
83	100		
85	66.8	52.4	78.6
127	7.4	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.087 ug/l

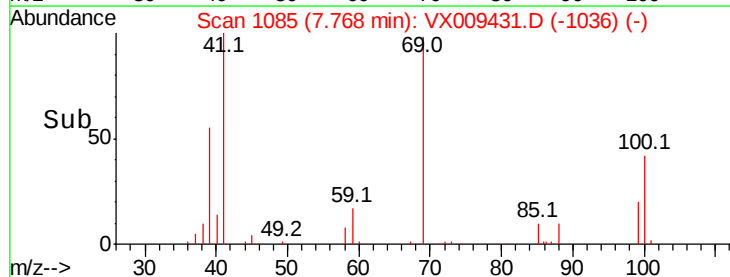
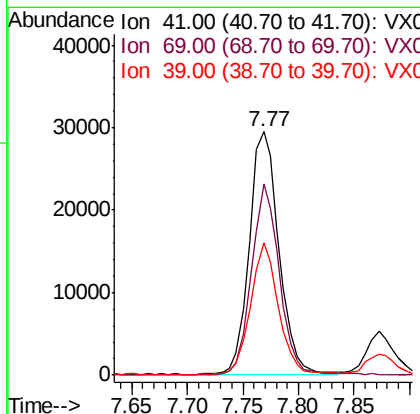
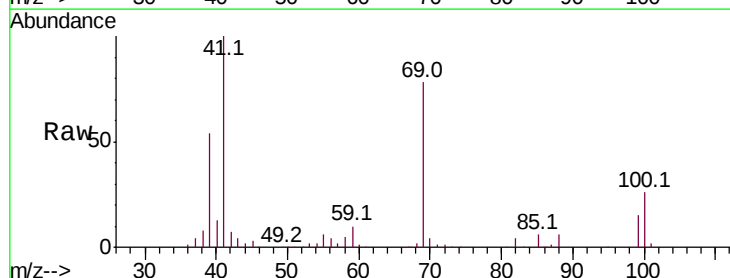
RT: 7.77 min Scan# 1085

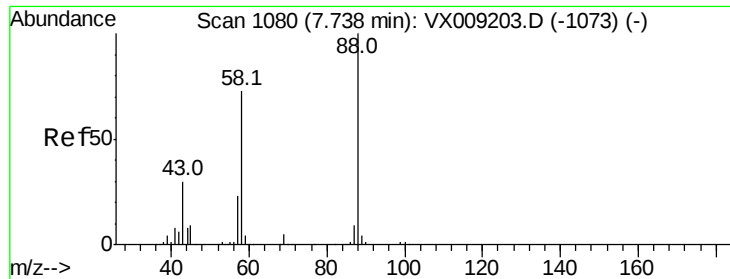
Delta R.T. -0.00 min

Lab File: VX009431.D

Acq: 09 May 2019 16:34

Tgt Ion:	41	Resp:	54464
Ion	Ratio	Lower	Upper
41	100		
69	74.8	59.1	88.7
39	51.9	40.4	60.6





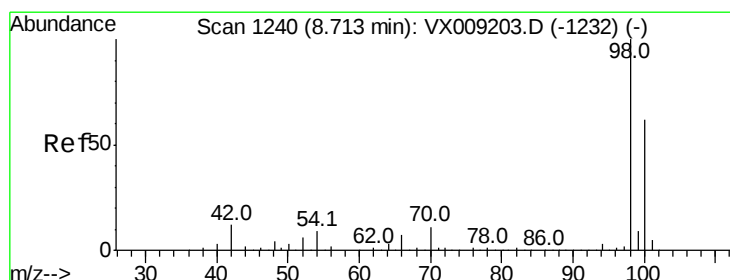
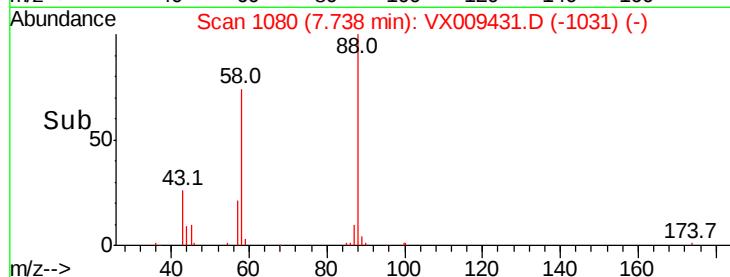
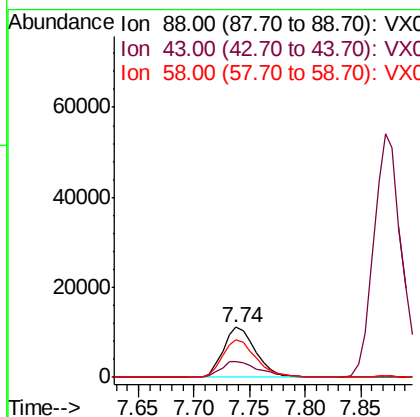
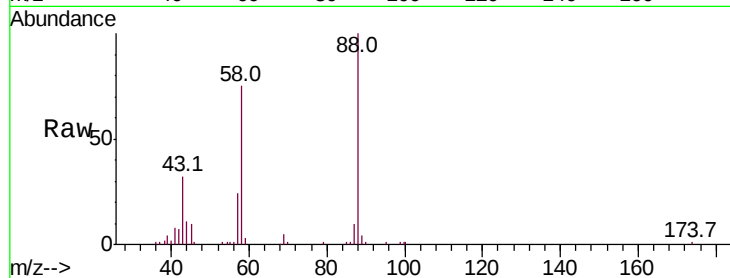
#49
1,4-Dioxane
Concen: 411.102 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009431.D
Acq: 09 May 2019 16:34

Instrument :
MSVOA_X
ClientSampled :
VX0509WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.1	28.6	42.8
58	78.0	61.7	92.5

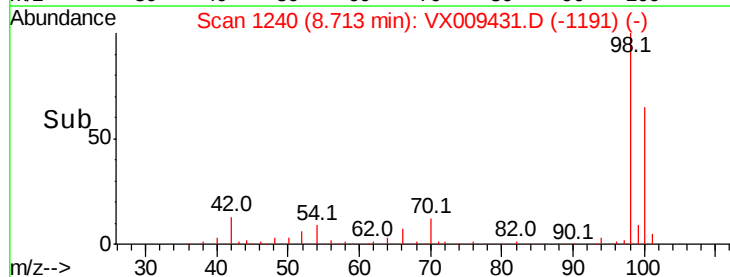
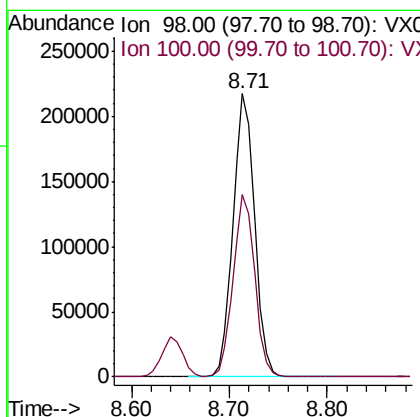
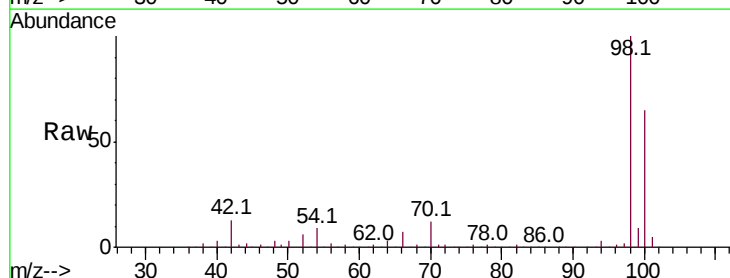
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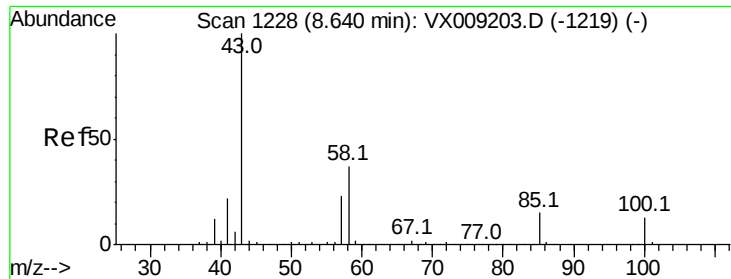
MMDadoda
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#50
Toluene-d8
Concen: 49.712 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009431.D
Acq: 09 May 2019 16:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 102.099 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009431.D

Acq: 09 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleID :

VX0509WBSD01

Tot Ion: 43 Resp: 364710

Ion Ratio Lower Upper

43 100

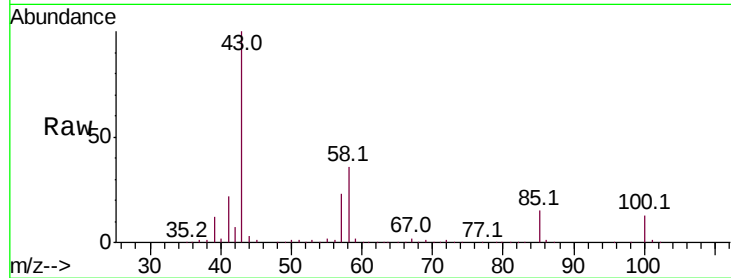
58 36.6 29.5 44.3

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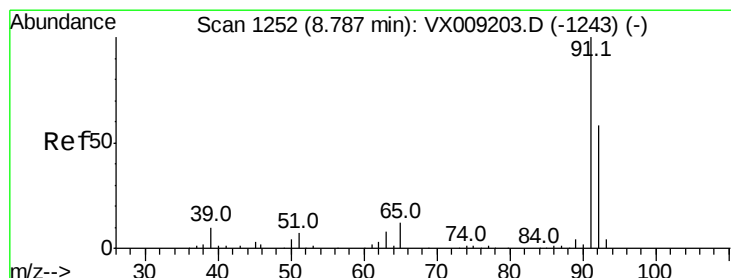
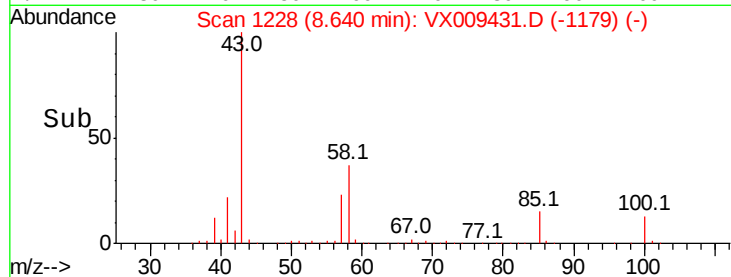
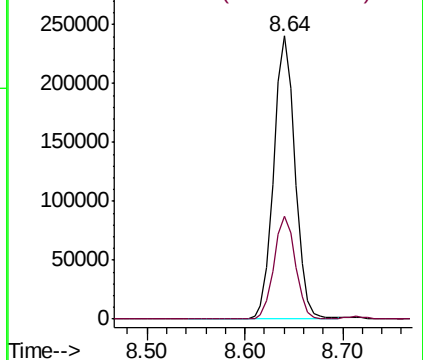
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.413 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009431.D

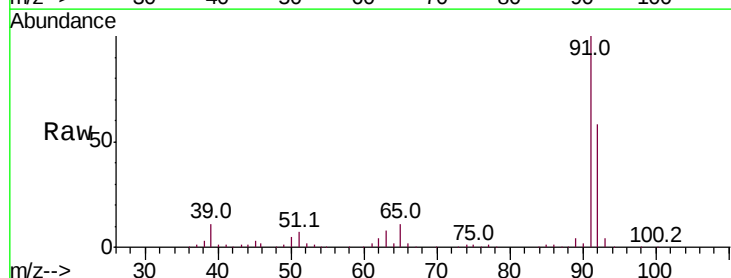
Acq: 09 May 2019 16:34

Tgt Ion: 92 Resp: 94169

Ion Ratio Lower Upper

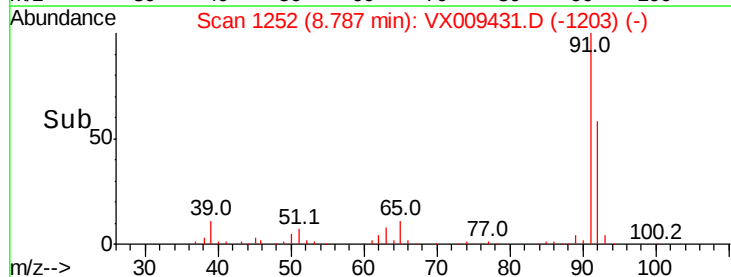
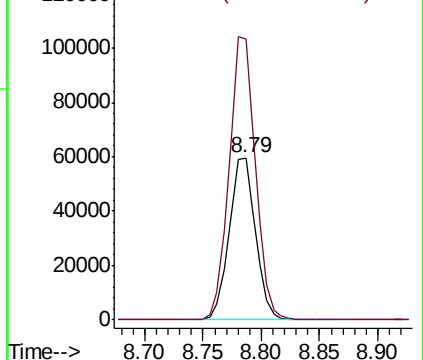
92 100

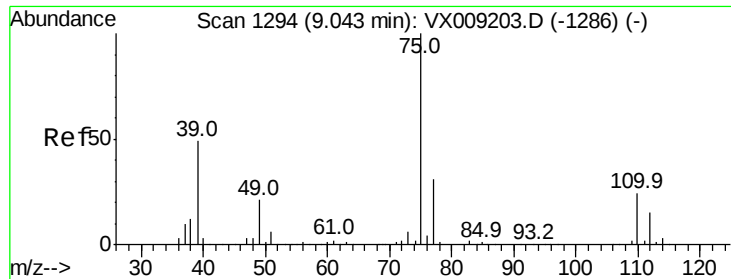
91 174.5 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





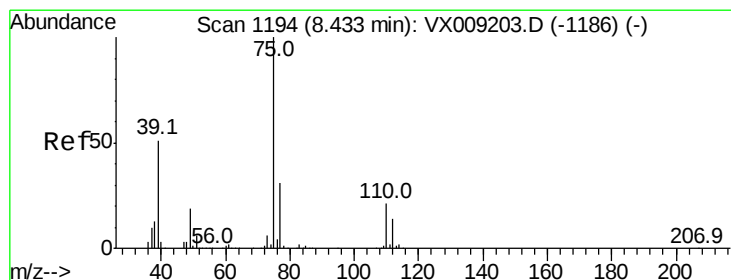
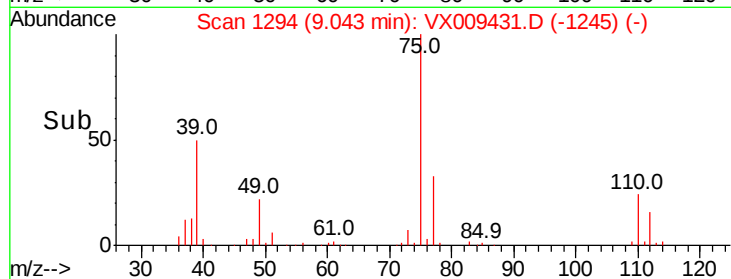
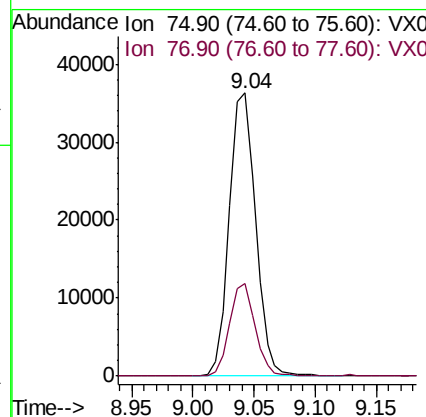
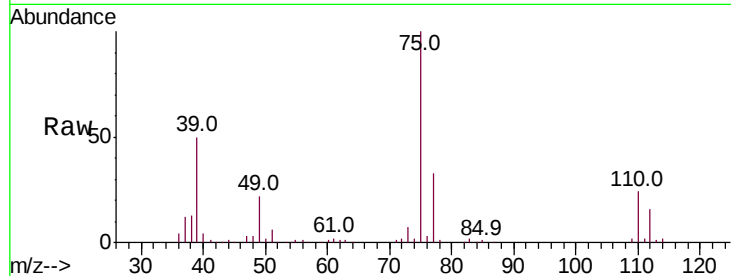
#53
 t-1,3-Dichloropropene
 Concen: 19.374 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX009431.D
 Acq: 09 May 2019 16:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBSD01

Tot Ion: 75 Resp: 54448
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.0 37.6

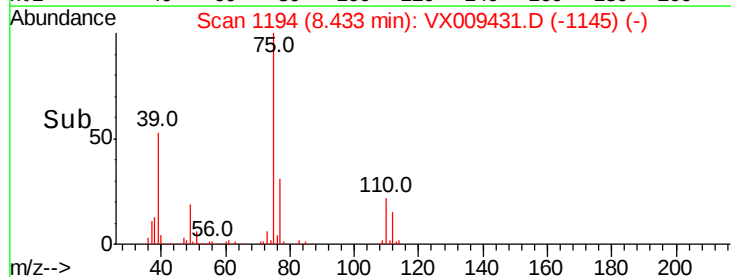
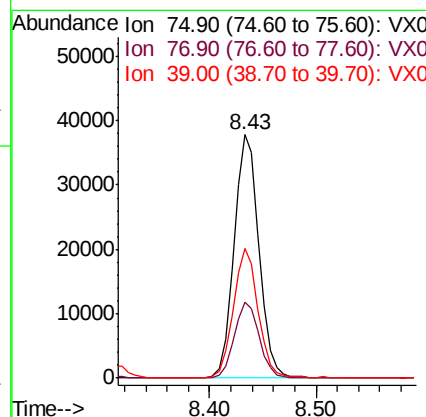
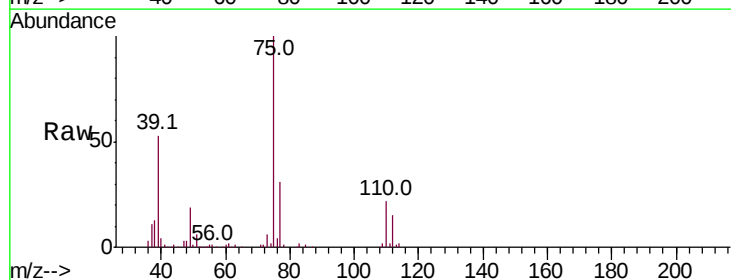
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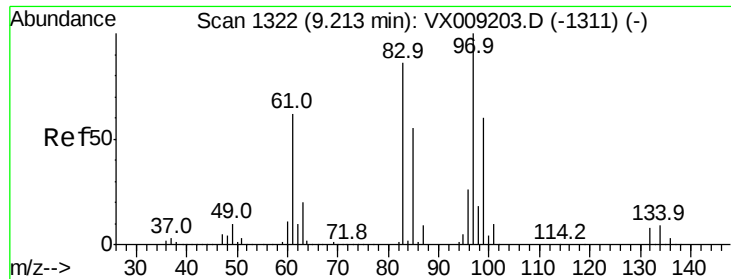
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#54
 cis-1,3-Dichloropropene
 Concen: 19.854 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX009431.D
 Acq: 09 May 2019 16:34

Tgt Ion: 75 Resp: 61760
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.6 36.8
 39 53.2 40.6 60.8





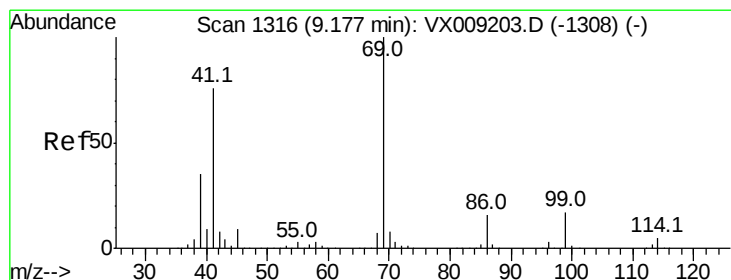
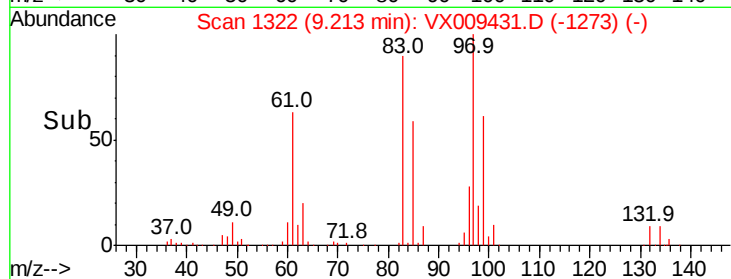
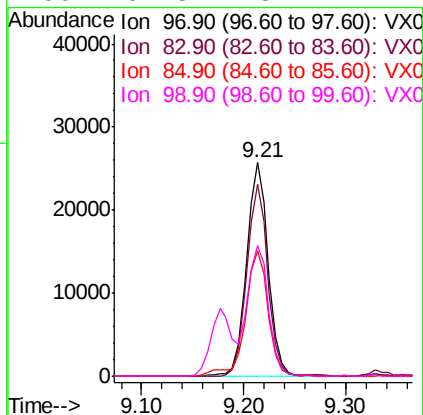
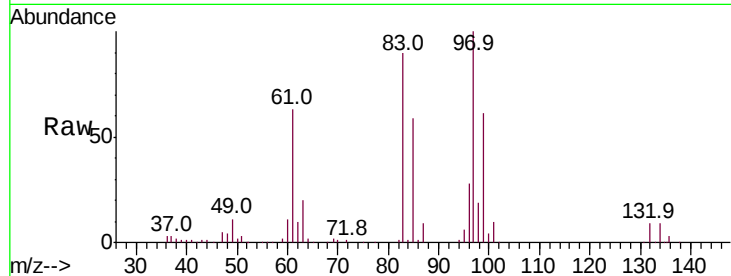
#55
1,1,2-Trichloroethane
Concen: 20.105 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VX009431.D
Acq: 09 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD01

Tot Ion	97	Resp	37840
Ion	Ratio	Lower	Upper
97	100		
83	89.8	68.9	103.3
85	58.9	43.8	65.6
99	61.3	48.2	72.2

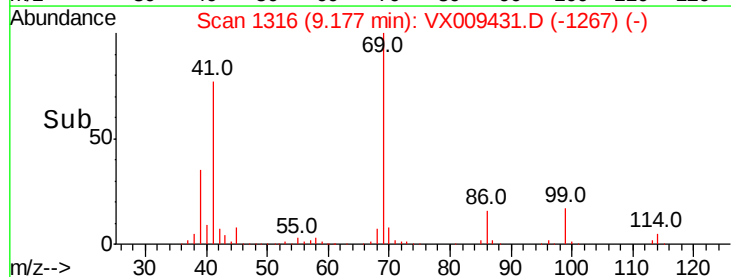
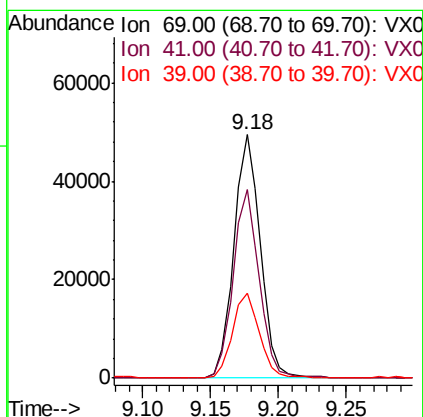
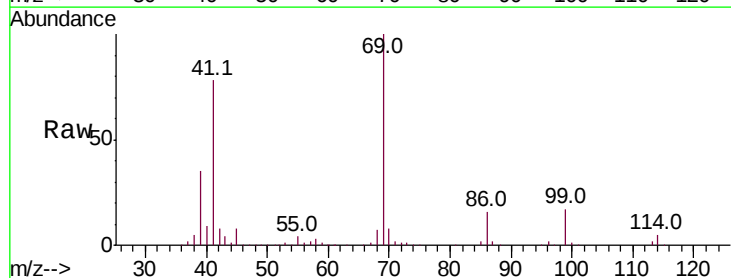
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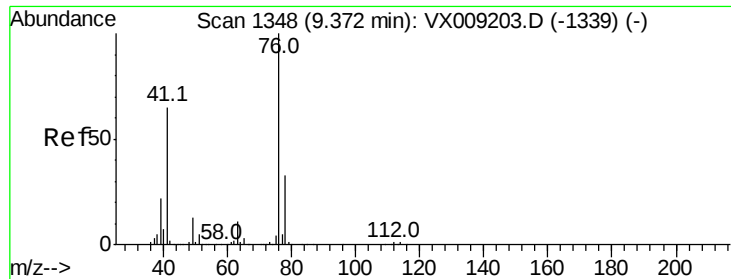
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#56
Ethyl methacrylate
Concen: 19.930 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VX009431.D
Acq: 09 May 2019 16:34

Tgt Ion	69	Resp	66956
Ion	Ratio	Lower	Upper
69	100		
41	75.8	60.6	90.8
39	35.2	28.2	42.4





#57

1,3-Dichloropropane

Concen: 20.364 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX009431.D

Acq: 09 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD01

Tot Ion: 76 Resp: 67445

Ion Ratio Lower Upper

76 100

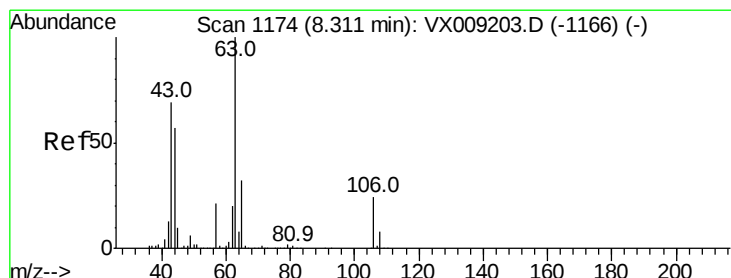
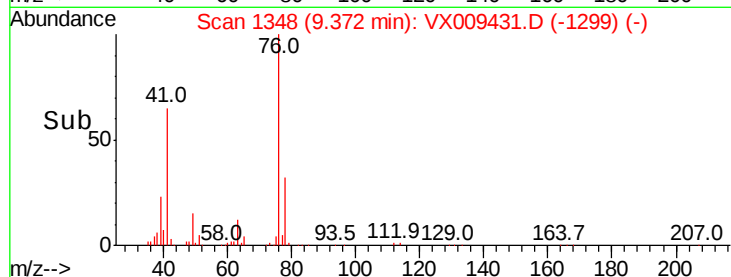
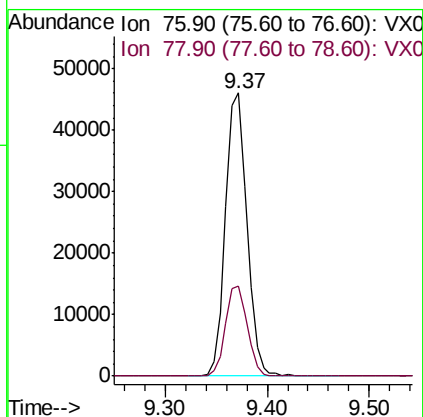
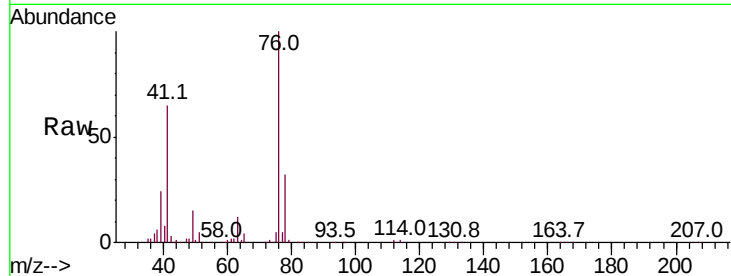
78 32.4 25.5 38.3

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 96.453 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX009431.D

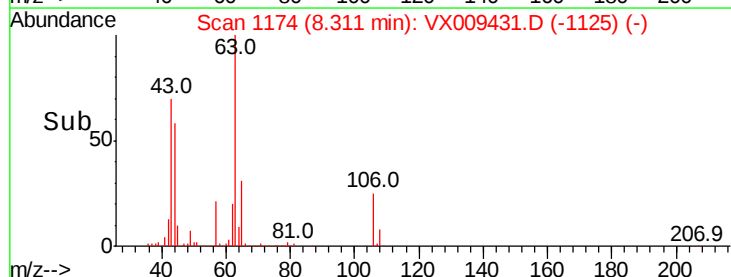
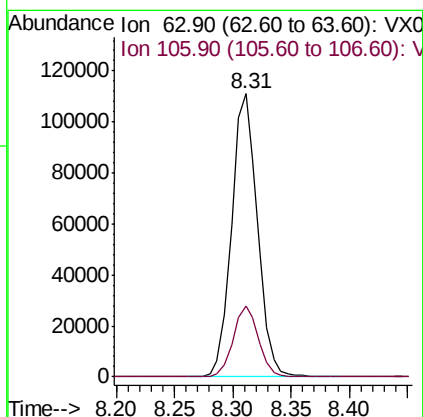
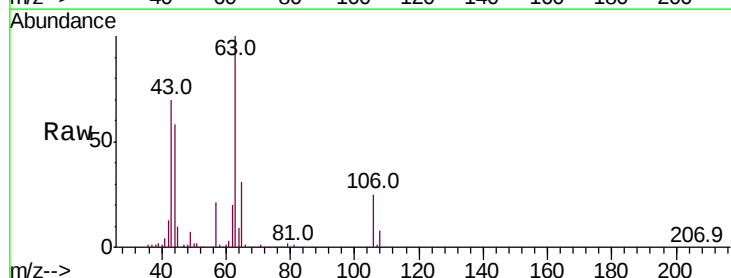
Acq: 09 May 2019 16:34

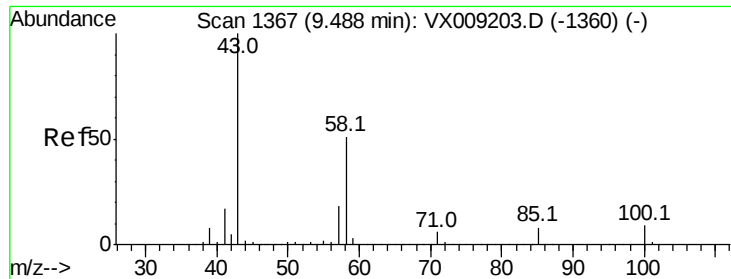
Tgt Ion: 63 Resp: 171905

Ion Ratio Lower Upper

63 100

106 24.7 19.7 29.5





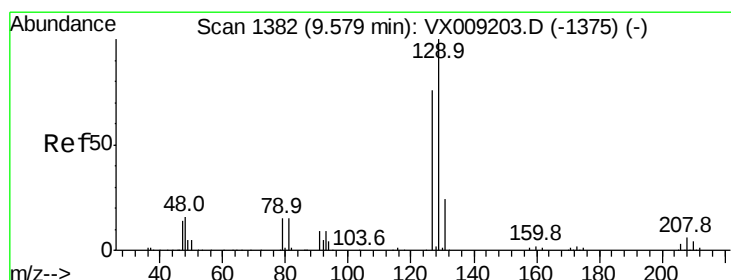
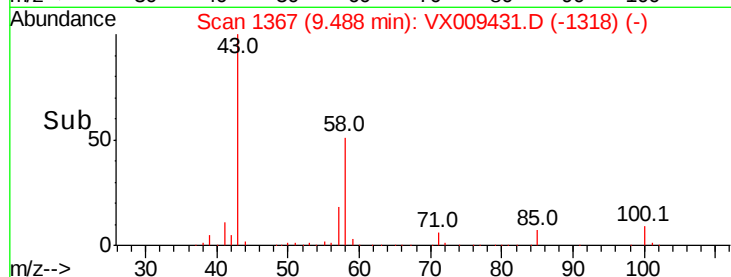
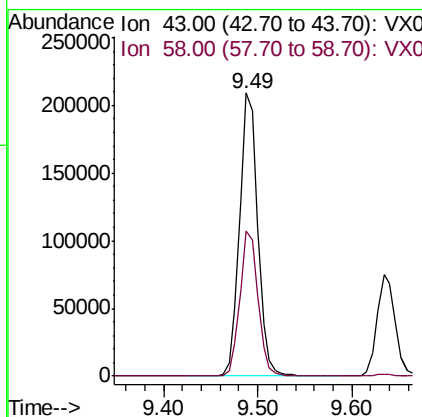
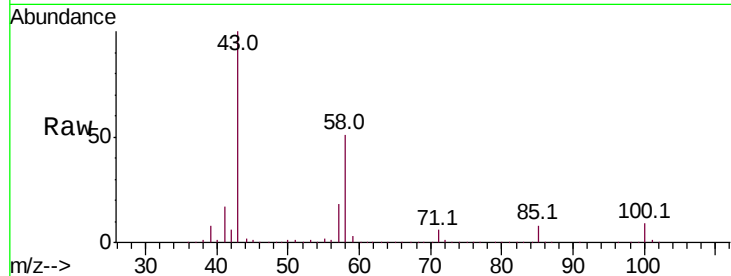
#59
2-Hexanone
Concen: 100.088 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009431.D
Acq: 09 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD01

Tot Ion: 43 Resp: 280795
Ion Ratio Lower Upper
43 100
58 51.3 25.9 77.7

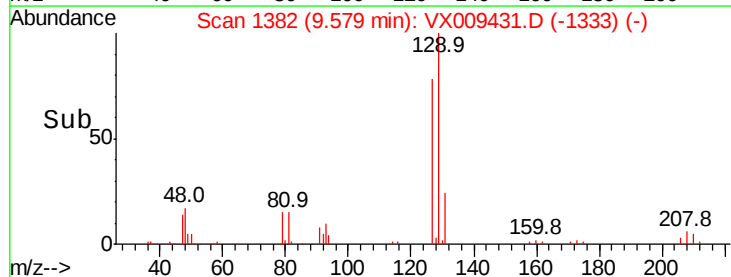
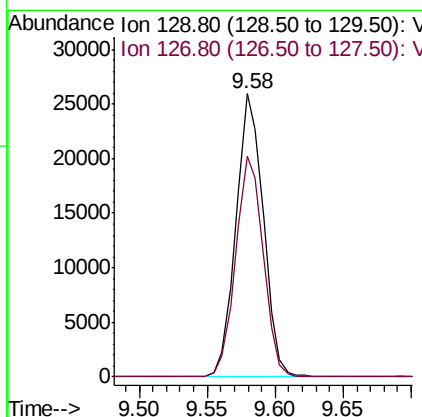
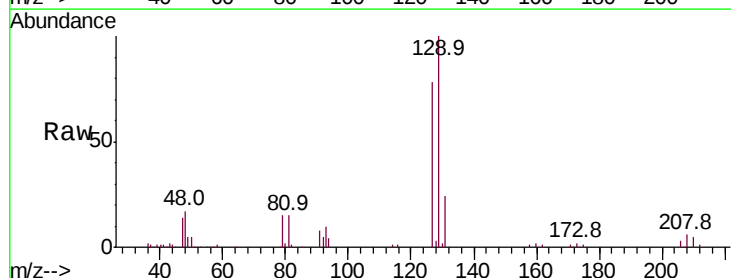
Manual Integrations
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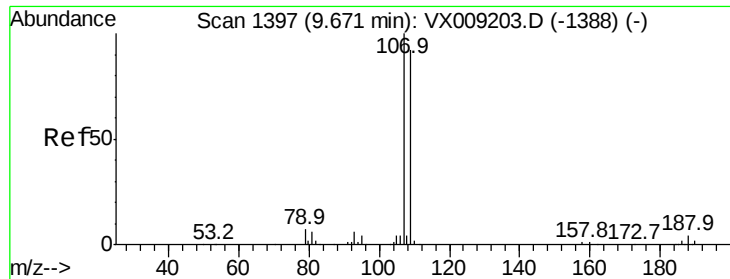
MMDadoda
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#60
Dibromochloromethane
Concen: 19.757 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009431.D
Acq: 09 May 2019 16:34

Tgt Ion: 129 Resp: 36318
Ion Ratio Lower Upper
129 100
127 78.9 38.4 115.1





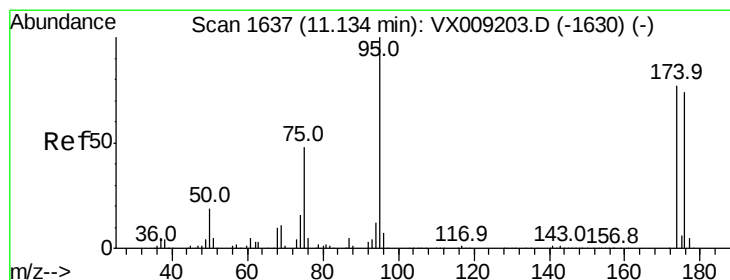
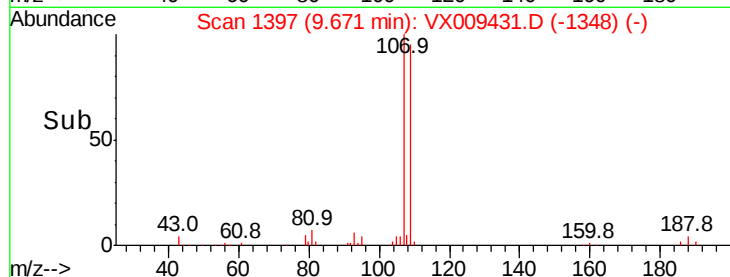
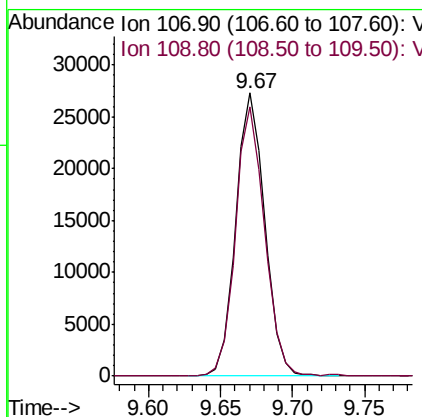
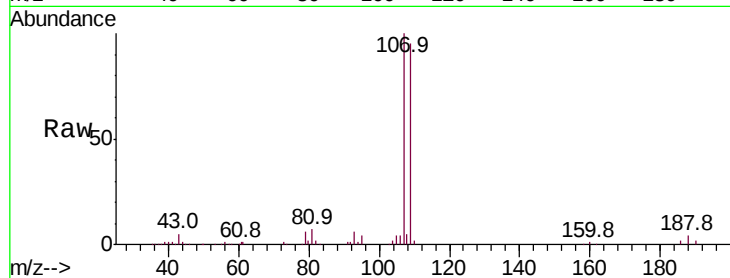
#61
 1,2-Dibromoethane
 Concen: 20.204 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX009431.D
 Acq: 09 May 2019 16:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	75.2	112.8

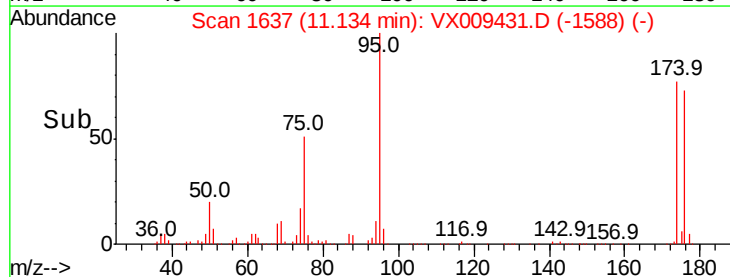
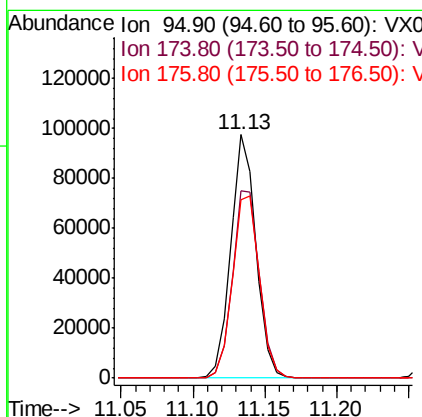
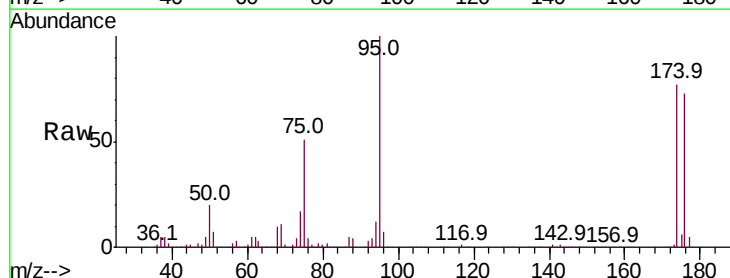
Manual Integrations
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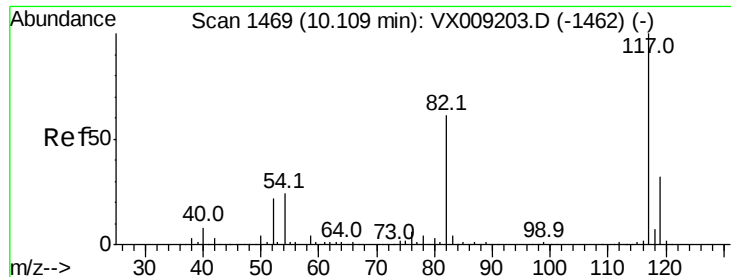
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#62
 4-Bromofluorobenzene
 Concen: 49.224 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX009431.D
 Acq: 09 May 2019 16:34

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.2	0.0	161.6
176	80.0	0.0	159.2





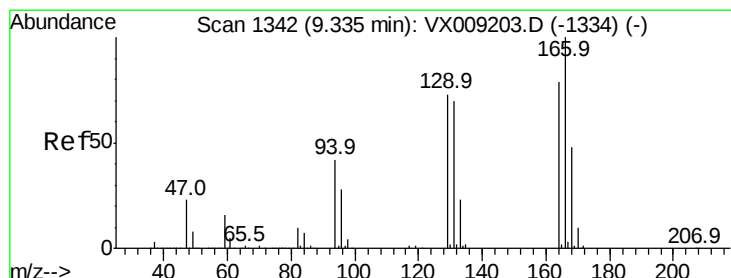
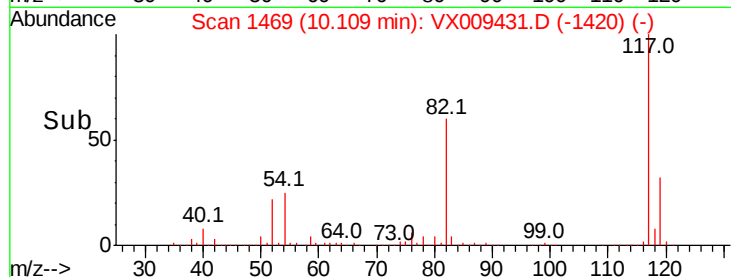
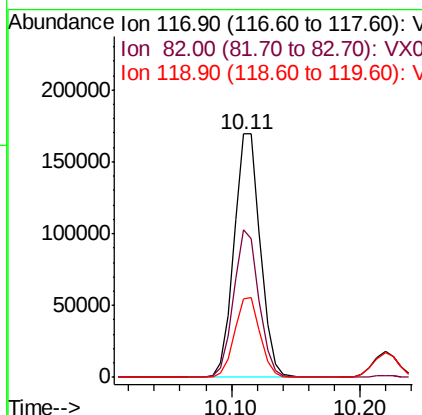
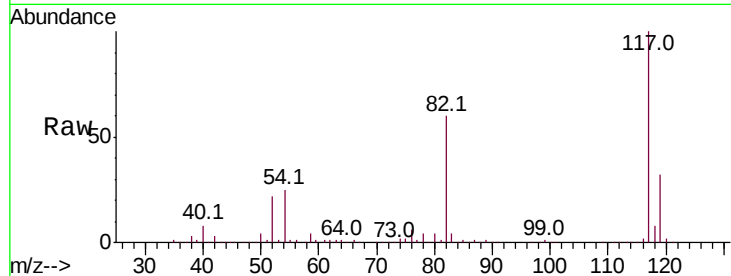
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009431.D
Acq: 09 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	60.5	48.8	73.2	
119	32.4	25.8	38.6	

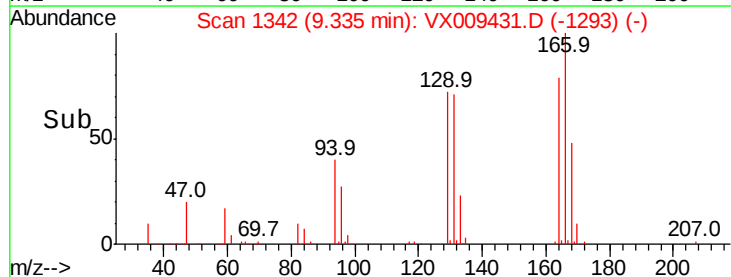
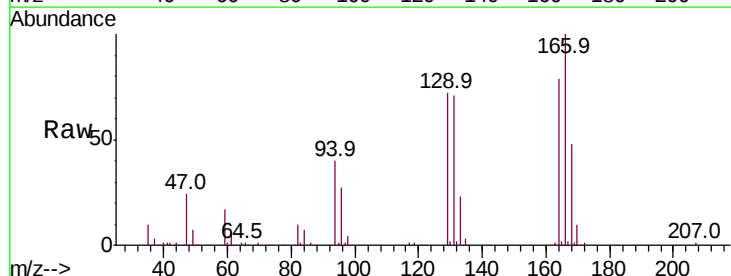
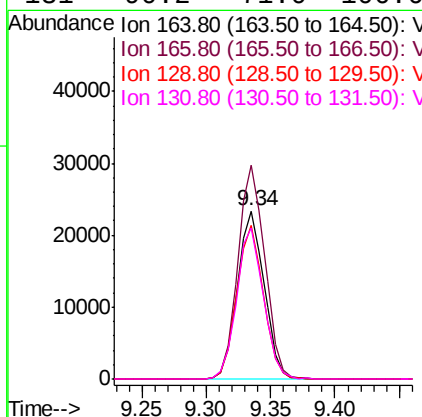
Manual Integrations
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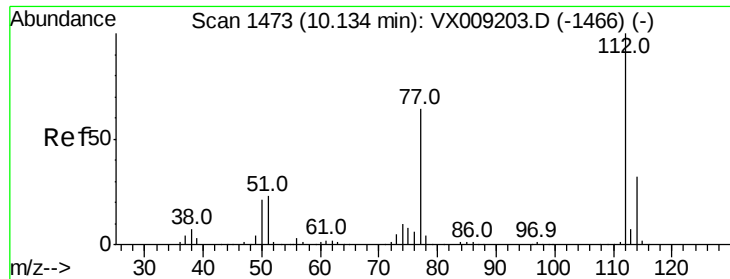
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#64
Tetrachloroethene
Concen: 20.509 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009431.D
Acq: 09 May 2019 16:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	127.4	101.2	151.8	
129	91.9	74.3	111.5	
131	90.2	71.0	106.6	





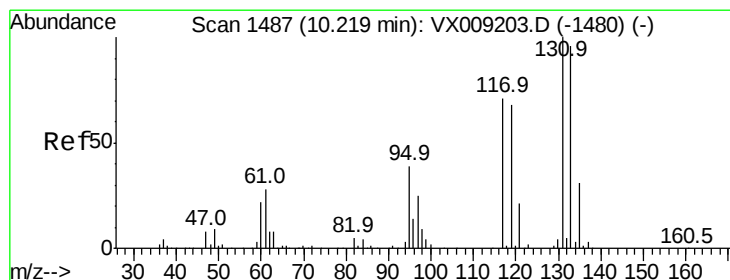
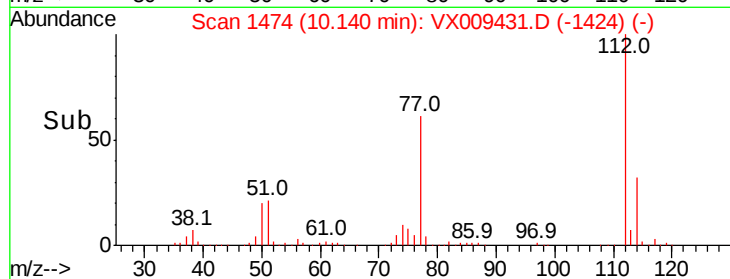
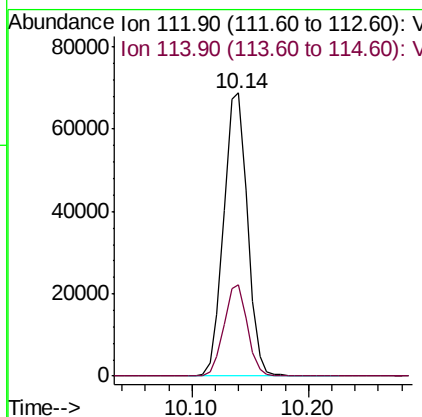
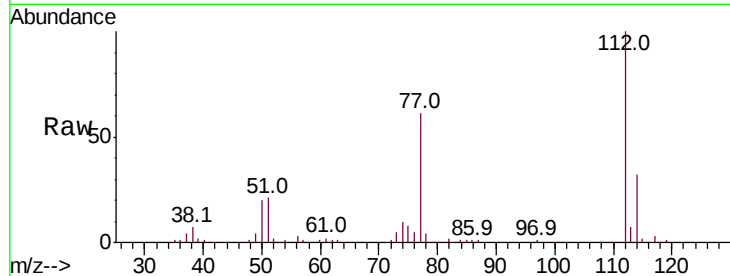
#65
Chlorobenzene
Concen: 20.308 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009431.D
Acq: 09 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD01

Tot Ion:112 Resp: 97283
Ion Ratio Lower Upper
112 100
114 32.1 25.5 38.3

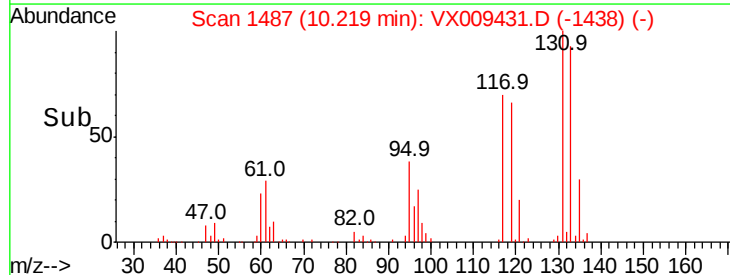
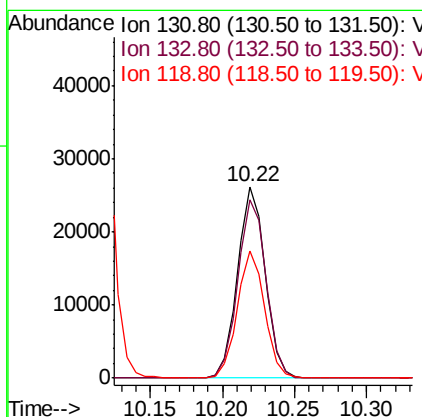
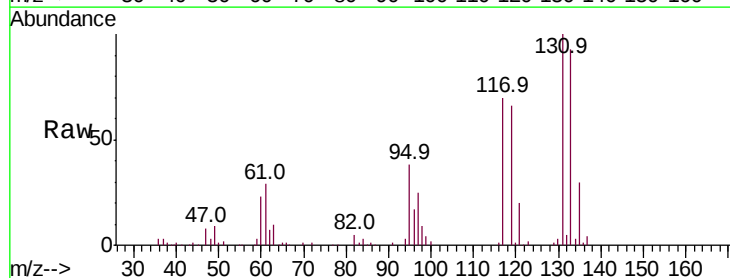
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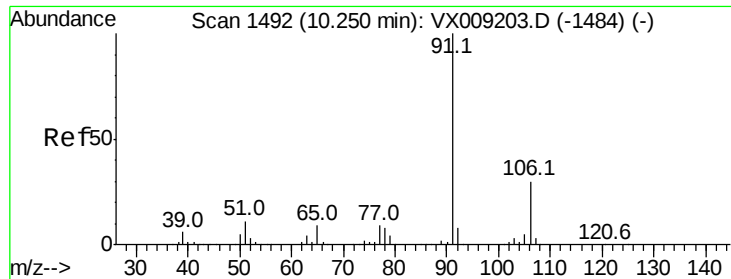
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.168 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX009431.D
Acq: 09 May 2019 16:34

Tgt Ion:131 Resp: 35026
Ion Ratio Lower Upper
131 100
133 94.7 47.7 143.1
119 65.9 33.5 100.4





#67

Ethyl Benzene

Concen: 20.179 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009431.D

Acq: 09 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD01

Tot Ion: 91 Resp: 177899

Ion Ratio Lower Upper

91 100

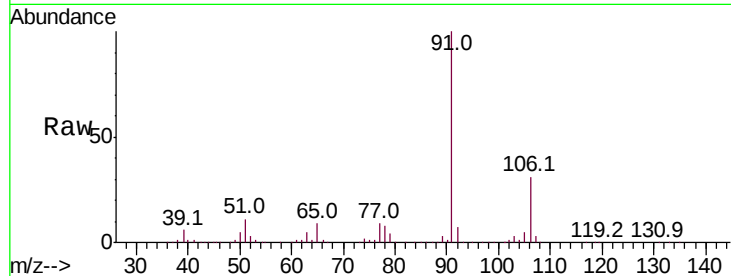
106 30.8 24.0 36.0

Manual Integrations

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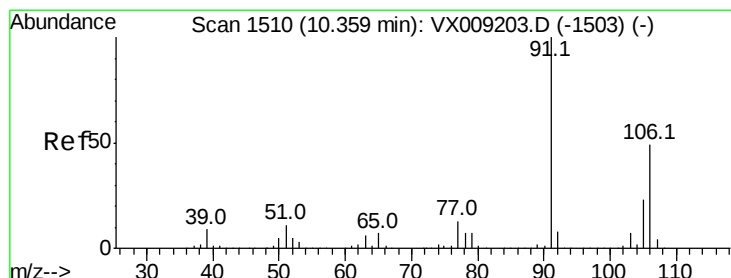
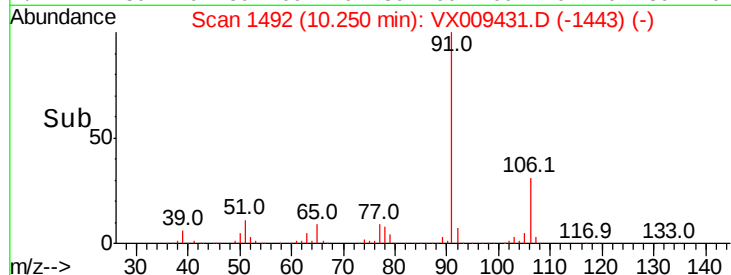
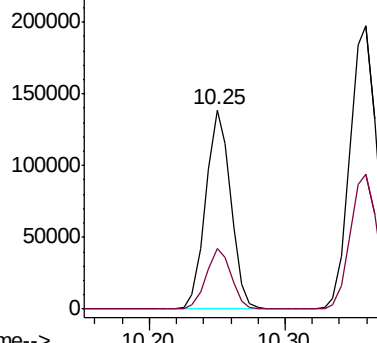
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 40.234 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009431.D

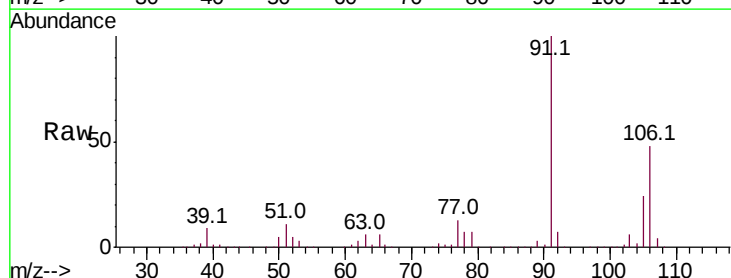
Acq: 09 May 2019 16:34

Tgt Ion:106 Resp: 129619

Ion Ratio Lower Upper

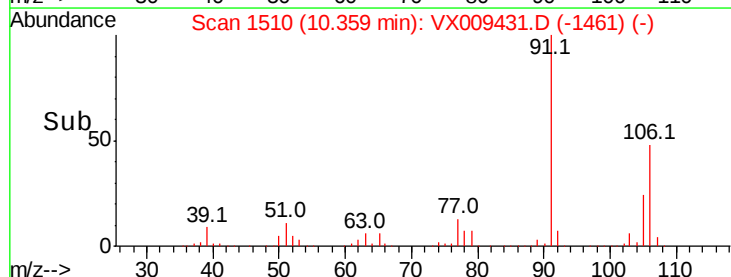
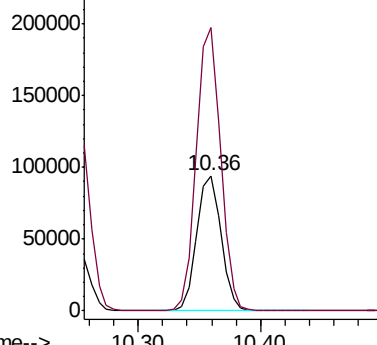
106 100

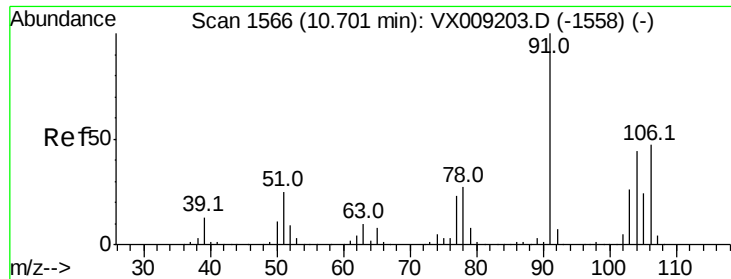
91 208.7 164.0 246.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





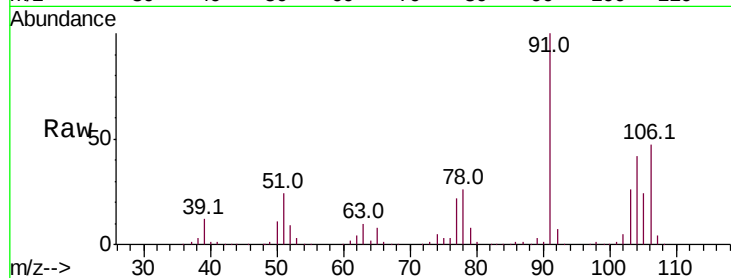
#69
o-Xylene
Concen: 20.132 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX009431.D
Acq: 09 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD01

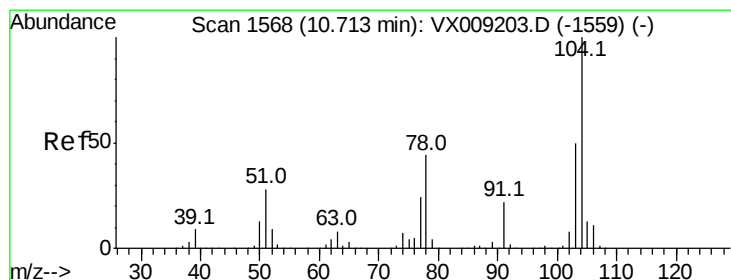
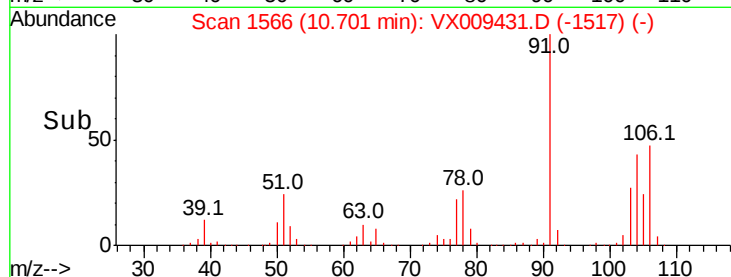
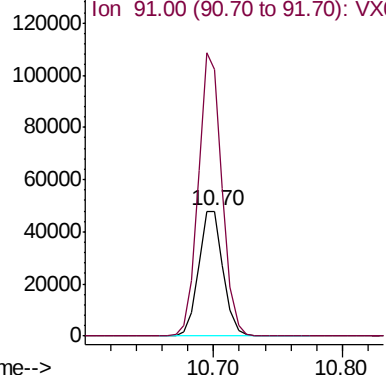
Tot Ion:106 Resp: 63993
Ion Ratio Lower Upper
106 100
91 218.9 109.5 328.4

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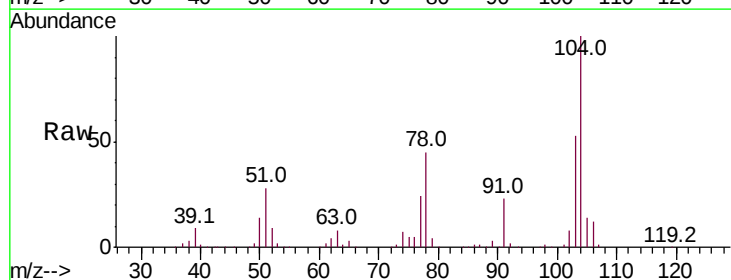


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

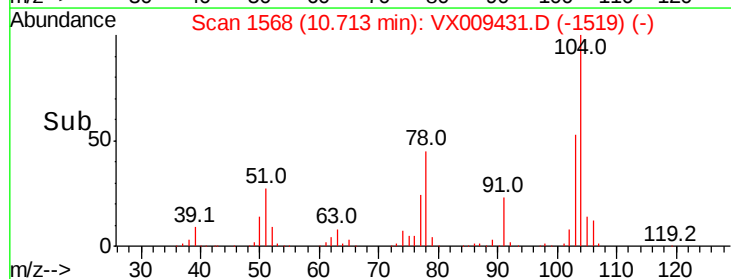
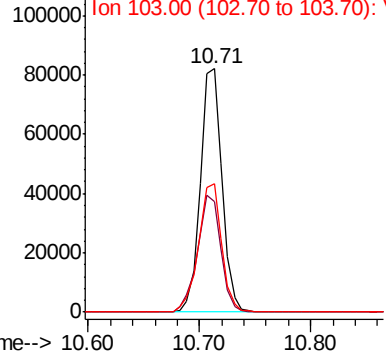


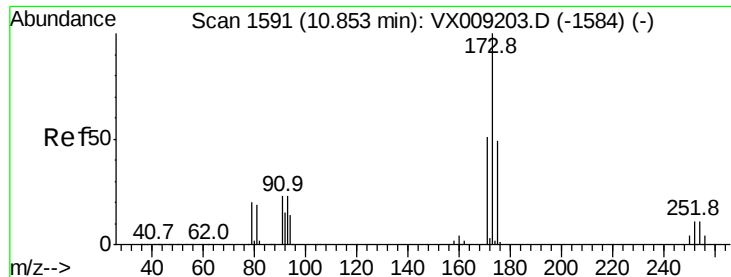
#70
Styrene
Concen: 19.943 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009431.D
Acq: 09 May 2019 16:34

Tgt Ion:104 Resp: 110181
Ion Ratio Lower Upper
104 100
78 52.0 41.0 61.4
103 56.4 43.8 65.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.375 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009431.D

Acq: 09 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD01

Tot Ion:173 Resp: 27345

Ion Ratio Lower Upper

173 100

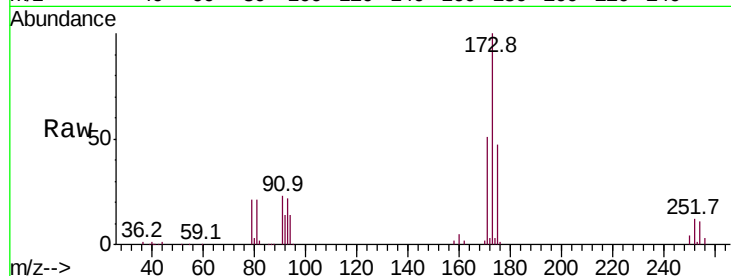
175 47.5 24.5 73.5

254 0.0 0.1 0.1#

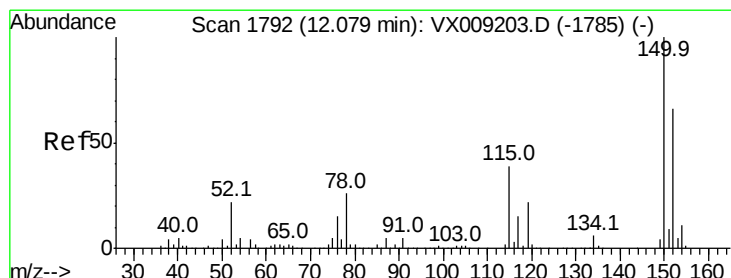
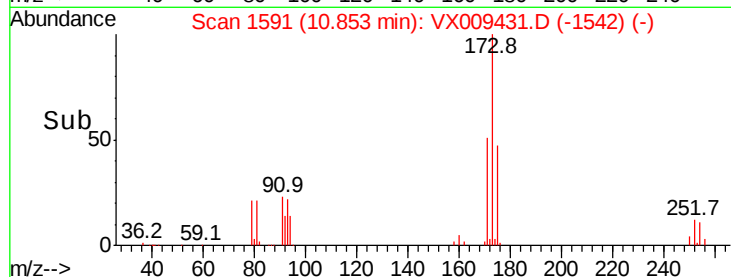
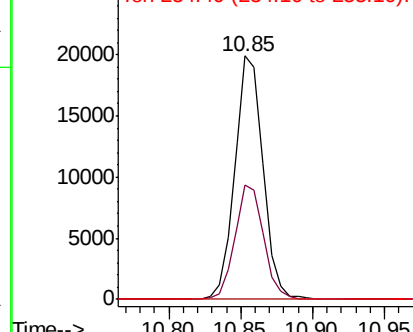
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009431.D

Acq: 09 May 2019 16:34

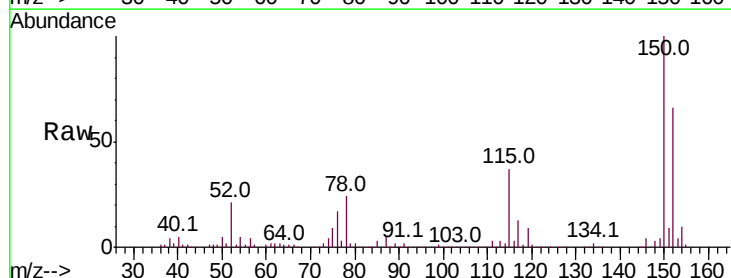
Tgt Ion:152 Resp: 116489

Ion Ratio Lower Upper

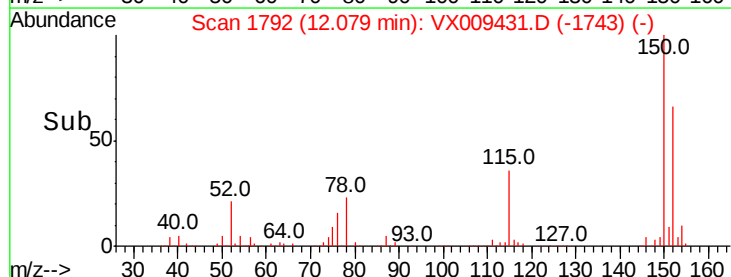
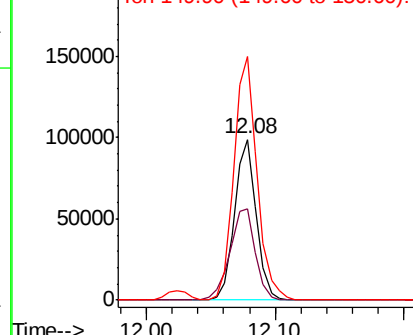
152 100

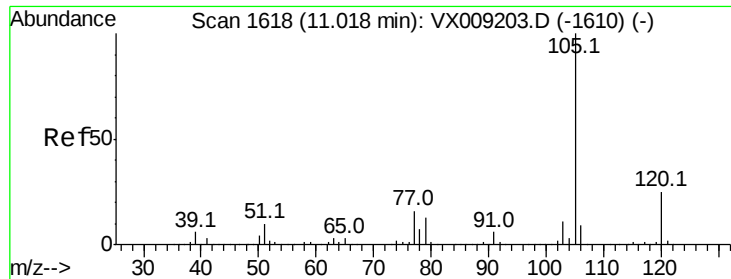
115 66.8 41.2 123.6

150 162.3 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.060 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009431.D

Acq: 09 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD01

Tot Ion:105 Resp: 169924

Ion Ratio Lower Upper

105 100

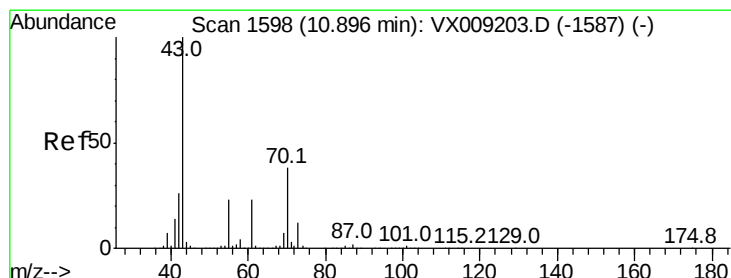
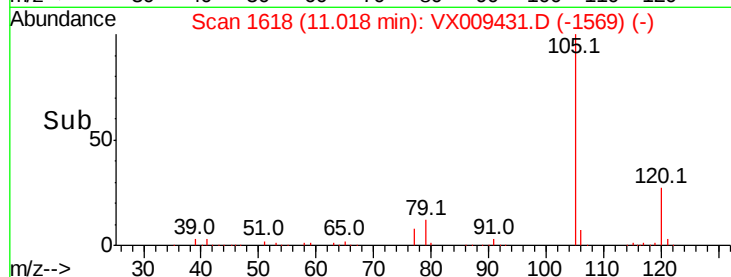
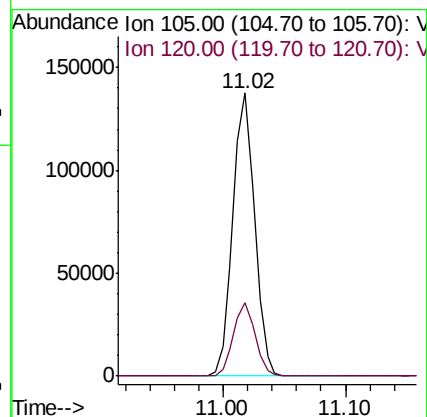
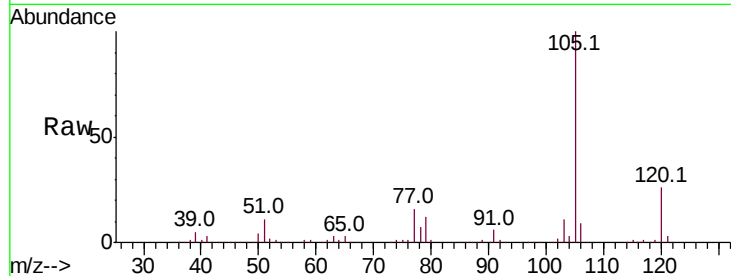
120 25.8 12.8 38.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.440 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009431.D

Acq: 09 May 2019 16:34

Tgt Ion: 43 Resp: 96006

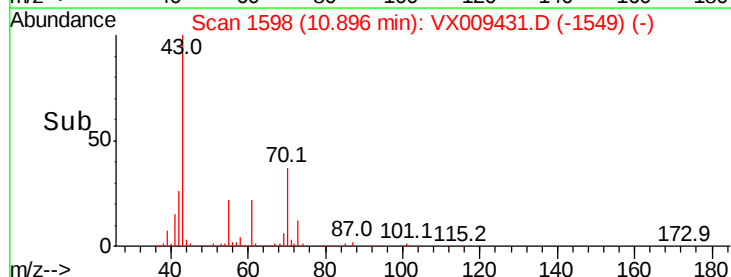
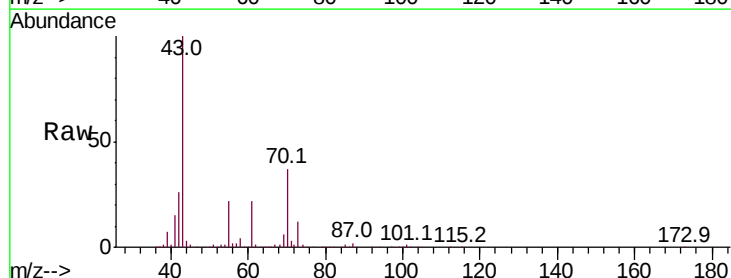
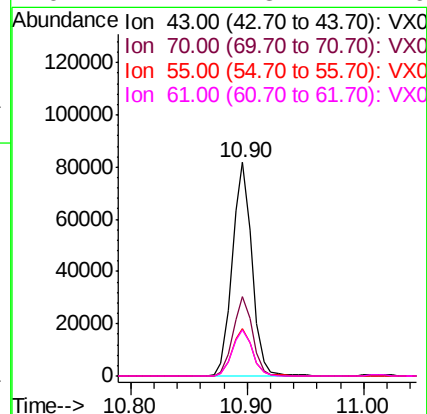
Ion Ratio Lower Upper

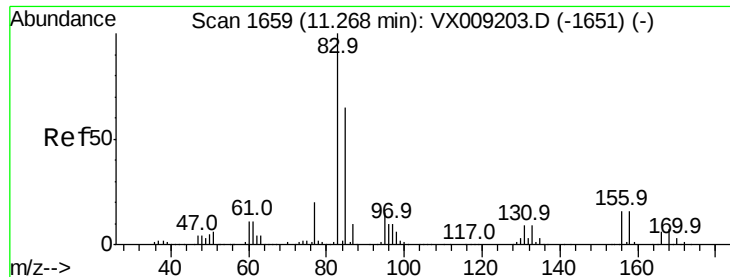
43 100

70 37.0 30.0 45.0

55 22.9 17.9 26.9

61 22.2 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.820 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009431.D

Acq: 09 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD01

Tot Ion: 83 Resp: 62588

Ion Ratio Lower Upper

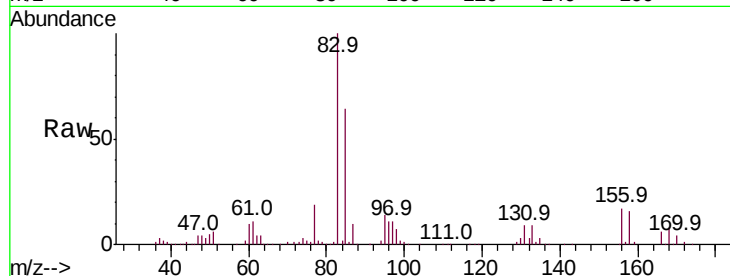
83 100

131 9.4 4.6 13.8

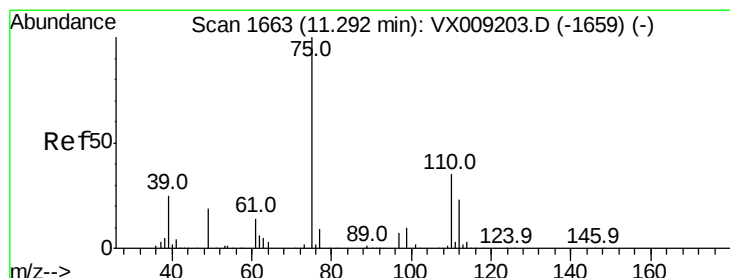
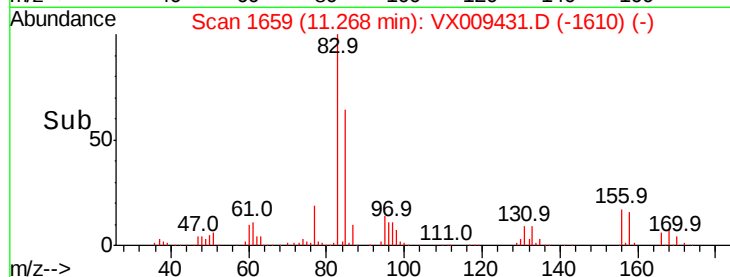
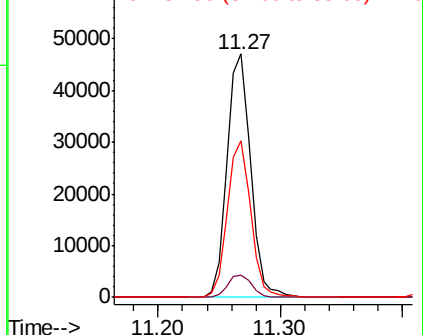
85 63.8 32.0 96.2

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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 19.640 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX009431.D

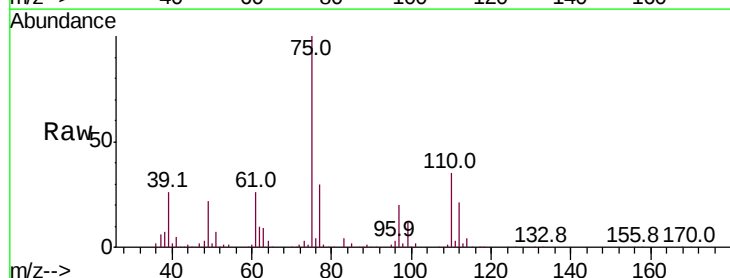
Acq: 09 May 2019 16:34

Tgt Ion: 75 Resp: 53071

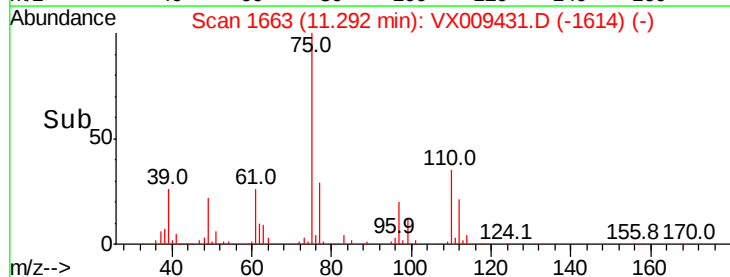
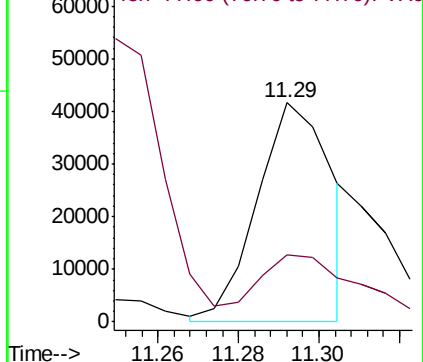
Ion Ratio Lower Upper

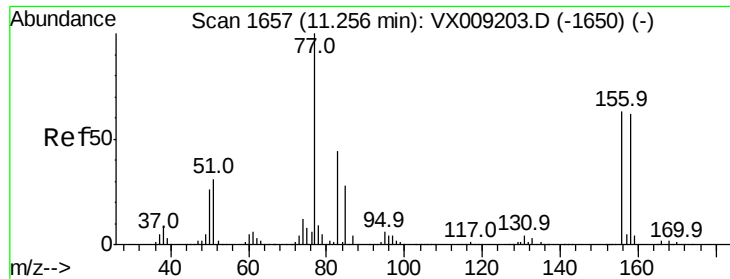
75 100

77 42.5 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.975 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009431.D

Acq: 09 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD01

Tot Ion:156 Resp: 41997

Ion Ratio Lower Upper

156 100

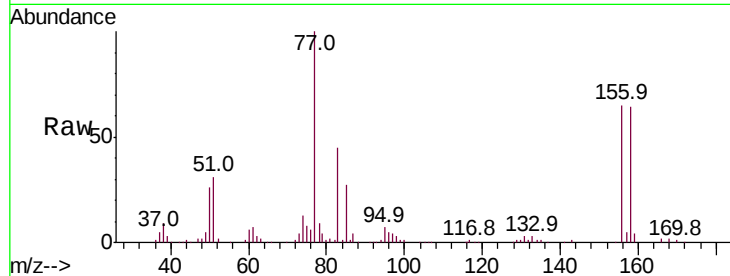
77 167.6 84.8 254.3

158 97.7 49.1 147.3

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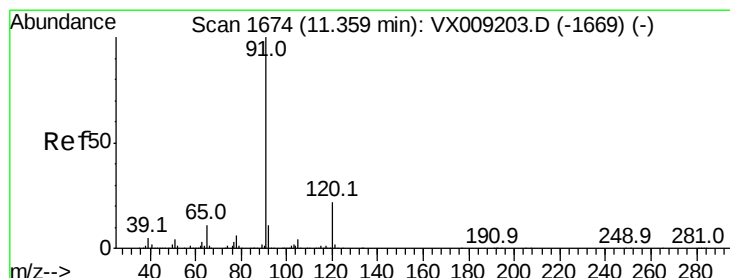
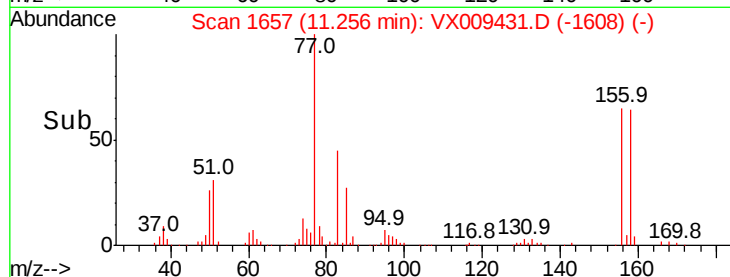
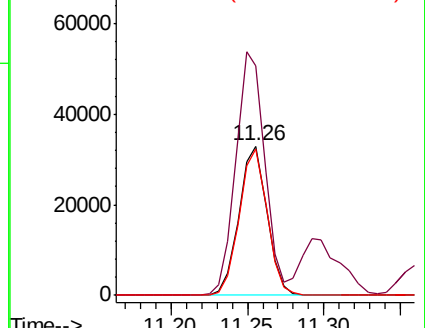
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.900 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009431.D

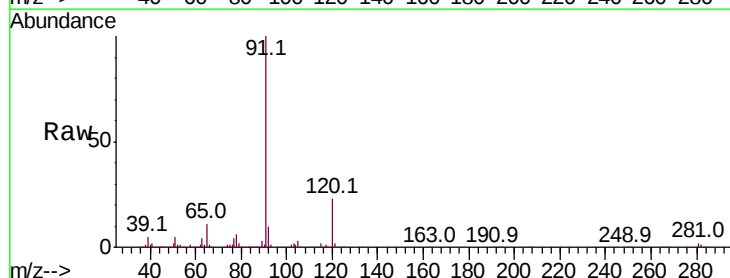
Acq: 09 May 2019 16:34

Tgt Ion: 91 Resp: 192520

Ion Ratio Lower Upper

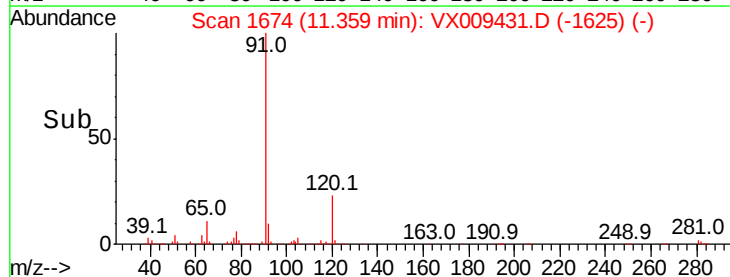
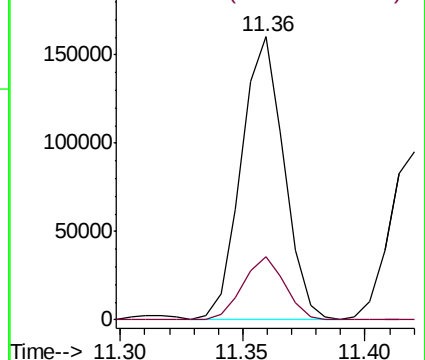
91 100

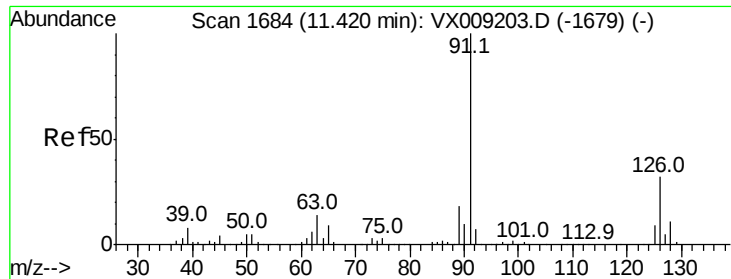
120 22.3 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.481 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009431.D

Acq: 09 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD01

Tot Ion: 91 Resp: 116274

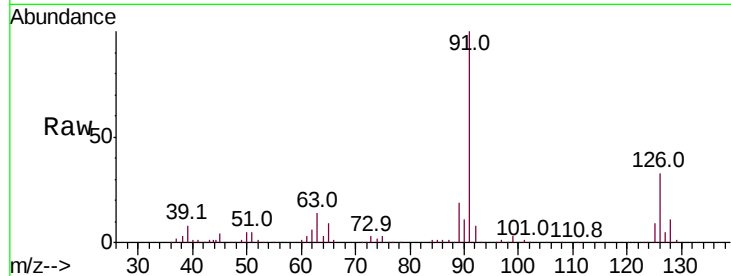
Ion Ratio Lower Upper

91 100

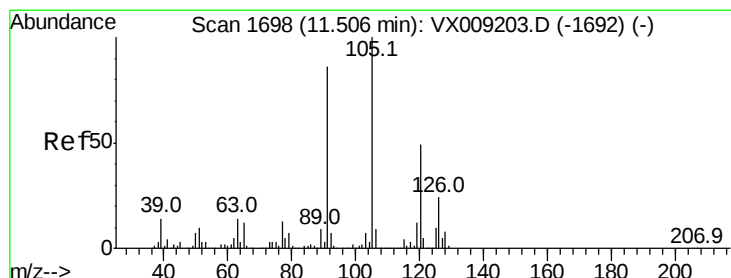
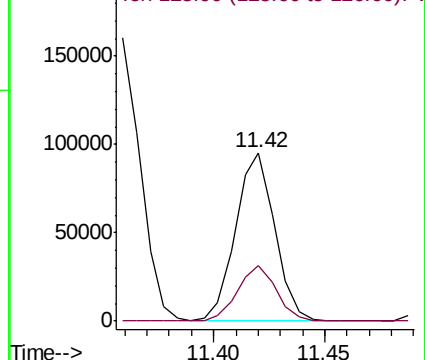
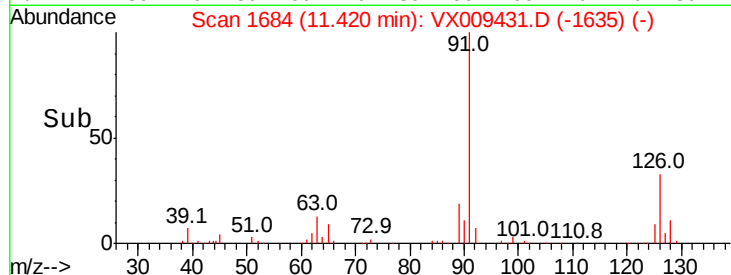
126 33.0 16.3 48.9

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Abundance Ion 91.00 (90.70 to 91.70): VX009431.D (-1635) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.119 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009431.D

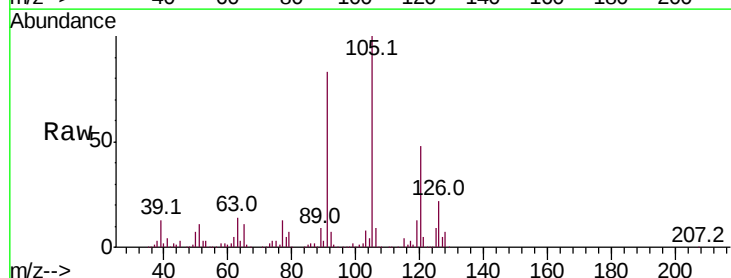
Acq: 09 May 2019 16:34

Tgt Ion: 105 Resp: 143497

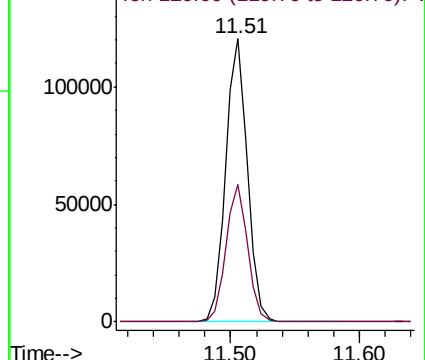
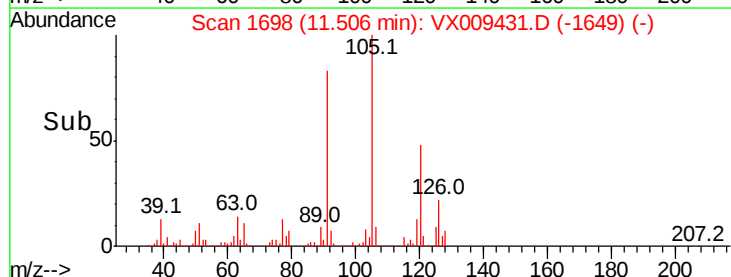
Ion Ratio Lower Upper

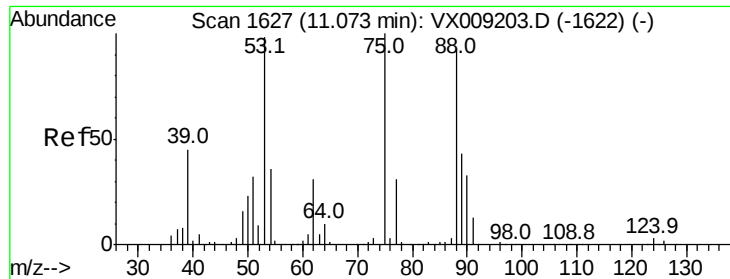
105 100

120 48.2 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VX009431.D (-1649) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.448 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009431.D

Acq: 09 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD01

Tot Ion: 75 Resp: 18426

Ion Ratio Lower Upper

75 100

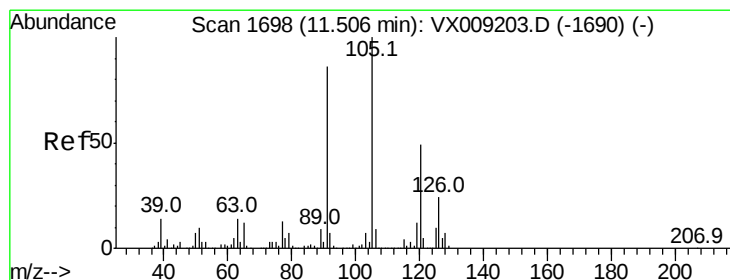
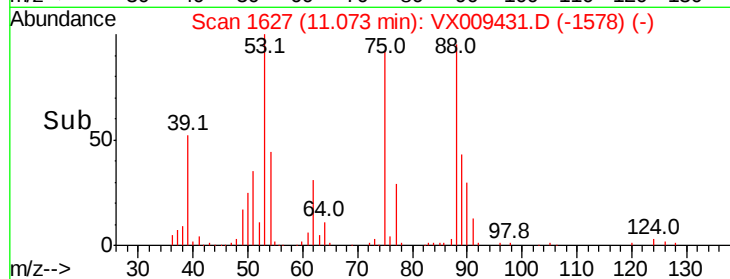
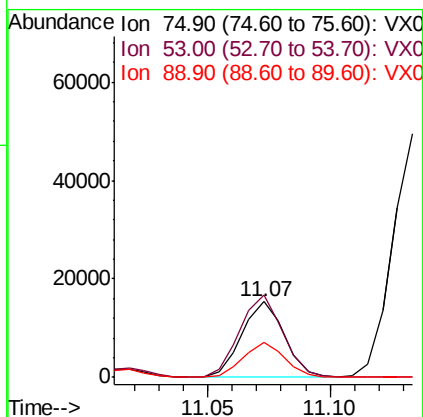
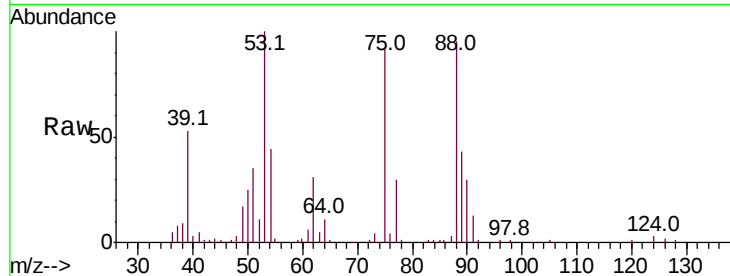
53 111.0 79.0 118.6

89 45.6 34.7 52.1

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#82

4-Chlorotoluene

Concen: 19.721 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009431.D

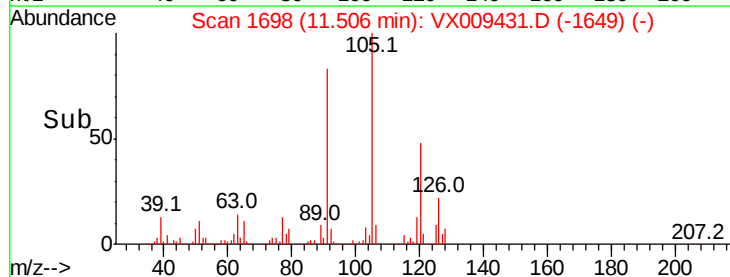
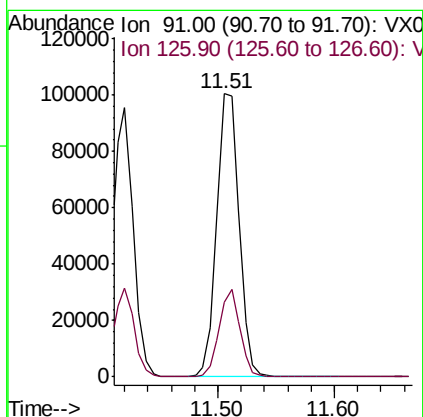
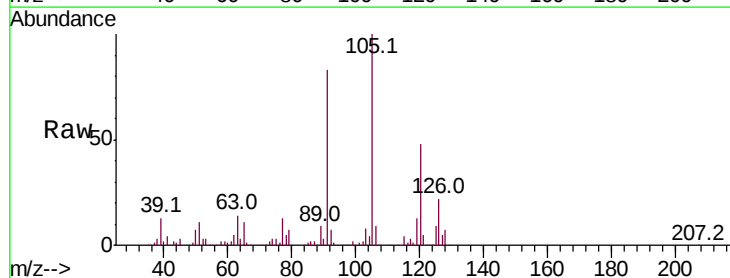
Acq: 09 May 2019 16:34

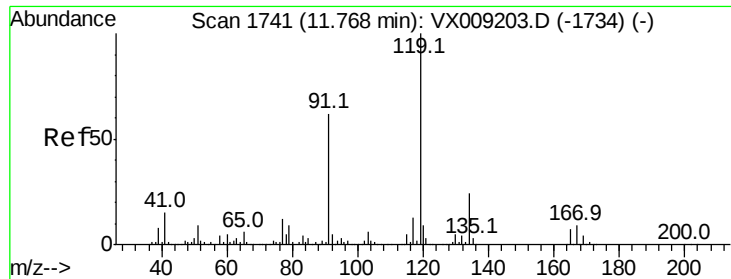
Tgt Ion: 91 Resp: 132973

Ion Ratio Lower Upper

91 100

126 28.5 14.5 43.6





#83

tert-Butylbenzene

Concen: 19.588 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX009431.D

Acq: 09 May 2019 16:34

Instrument :

MSVOA_X

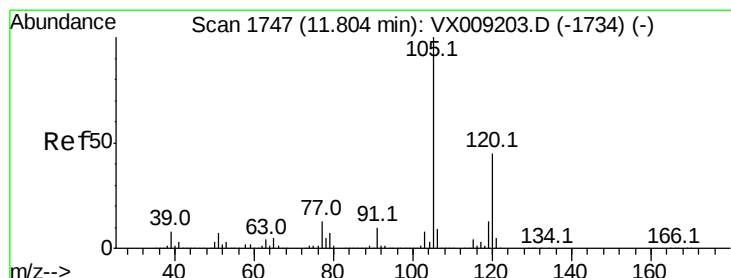
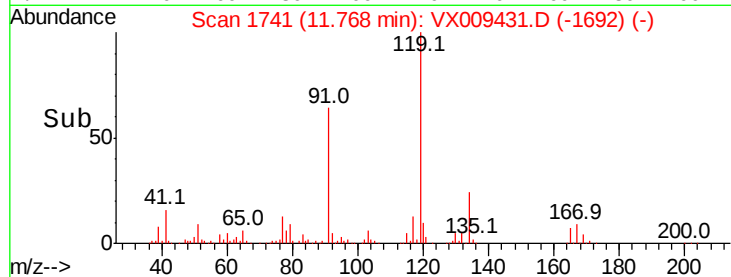
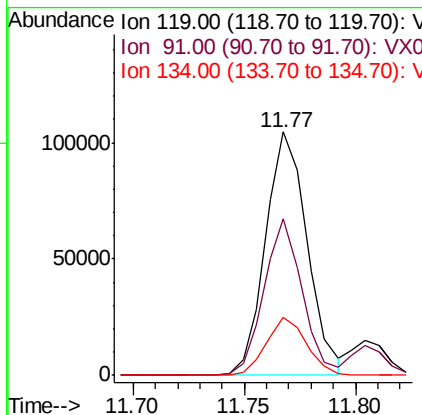
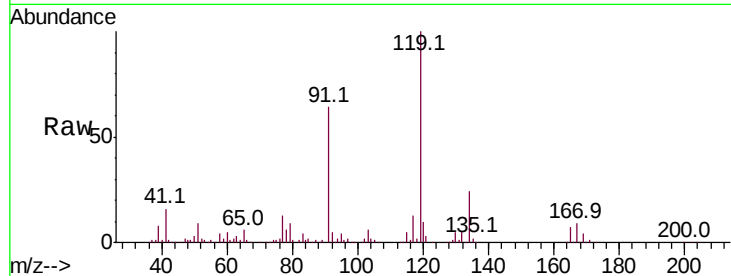
ClientSampleId :

VX0509WBSD01

Tot Ion:	119	Resp:	135910
Ion Ratio	Lower	Upper	
119	100		
91	59.2	29.5	88.5
134	23.0	11.4	34.1

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.062 ug/l

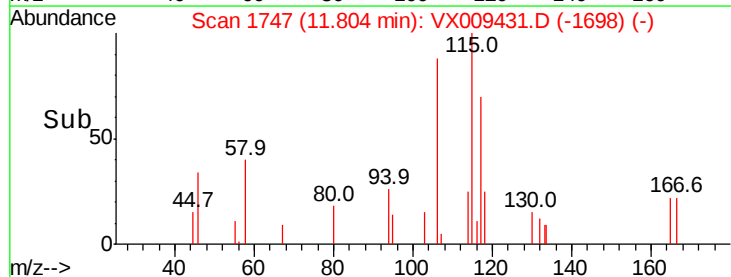
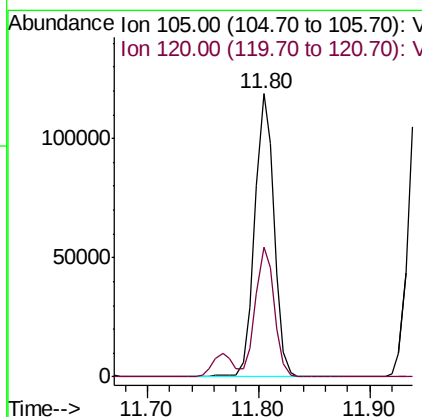
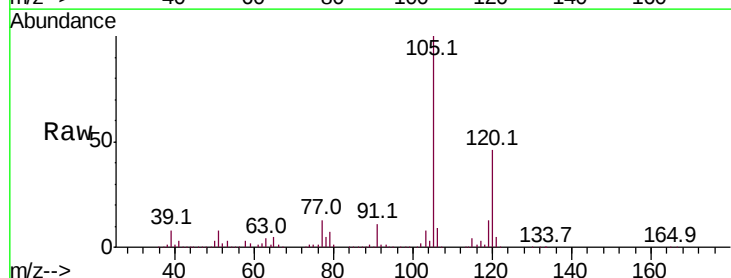
RT: 11.80 min Scan# 1747

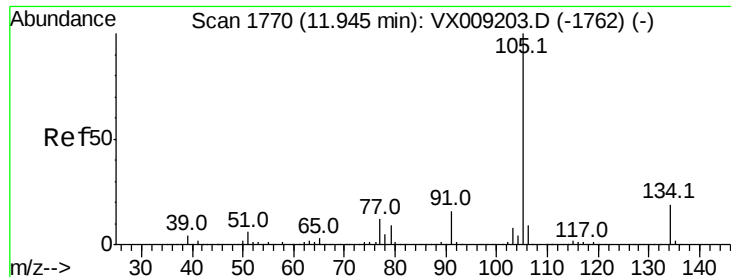
Delta R.T. -0.00 min

Lab File: VX009431.D

Acq: 09 May 2019 16:34

Tgt Ion:	105	Resp:	143628
Ion Ratio	Lower	Upper	
105	100		
120	44.4	22.0	66.0





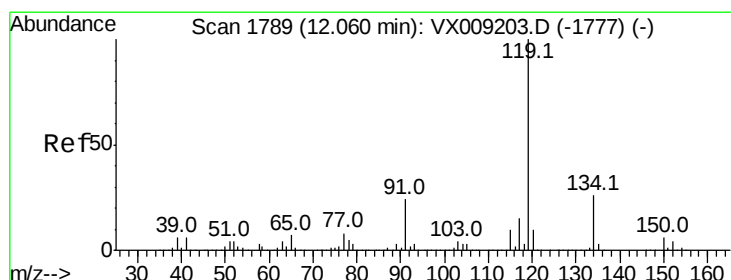
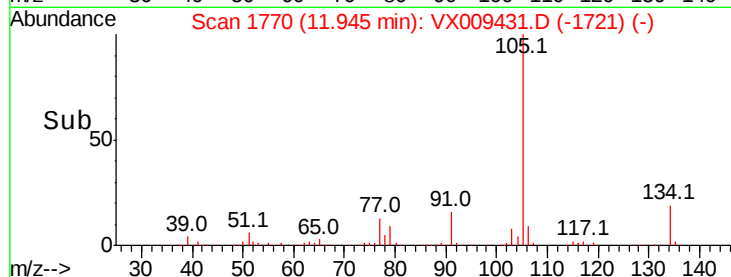
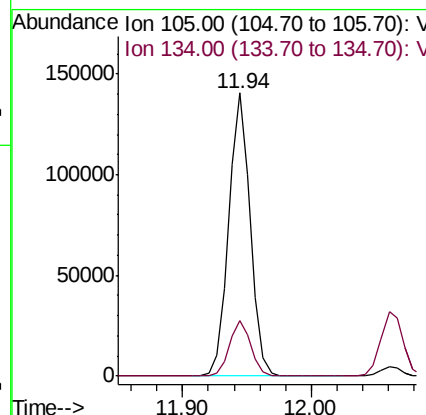
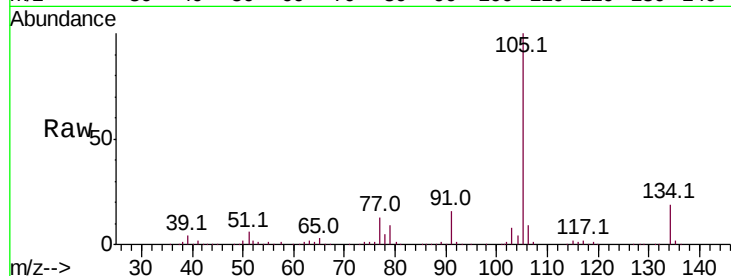
#85
 sec-Butylbenzene
 Concen: 20.018 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX009431.D
 Acq: 09 May 2019 16:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.7	28.9

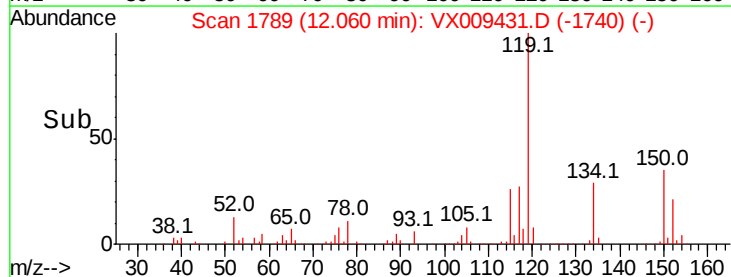
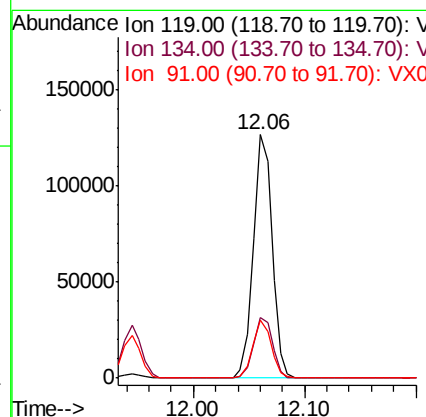
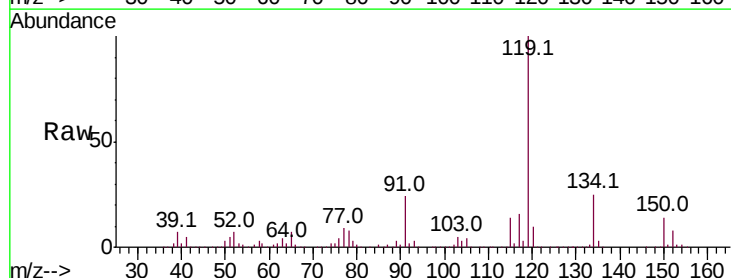
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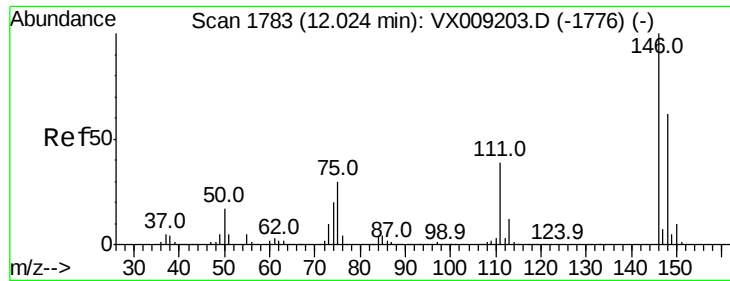
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#86
 p-Isopropyltoluene
 Concen: 20.147 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX009431.D
 Acq: 09 May 2019 16:34

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.9	38.7
91	23.5	11.8	35.4





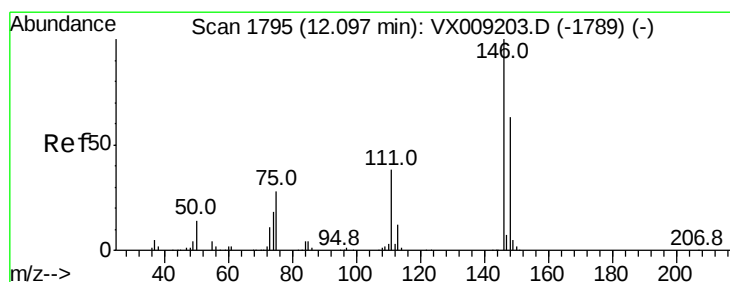
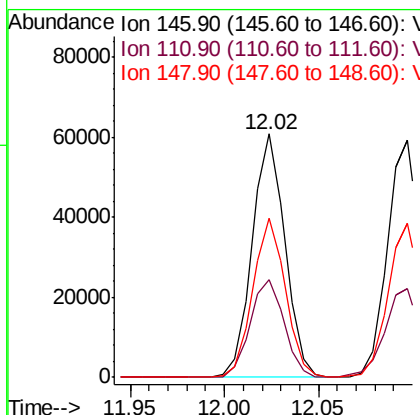
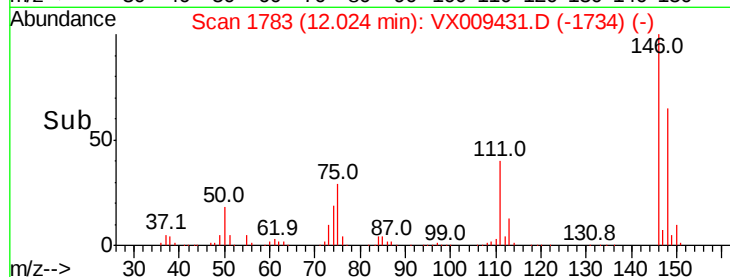
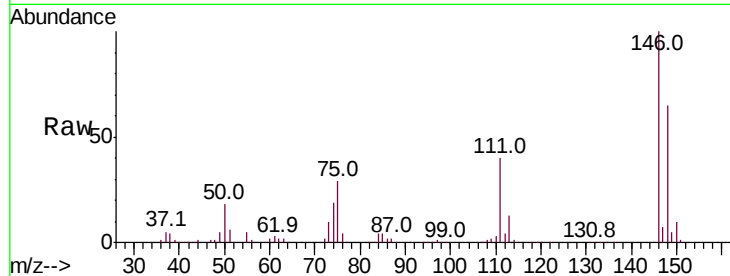
#87
 1,3-Dichlorobenzene
 Concen: 19.558 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009431.D
 Acq: 09 May 2019 16:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.0	59.9
148	65.1	31.8	95.3

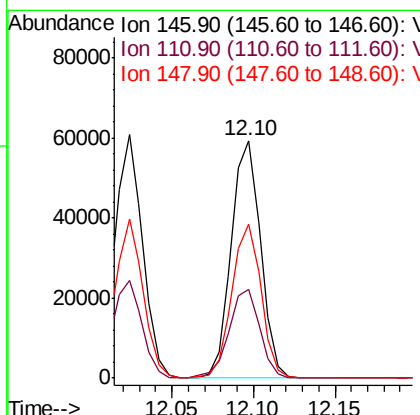
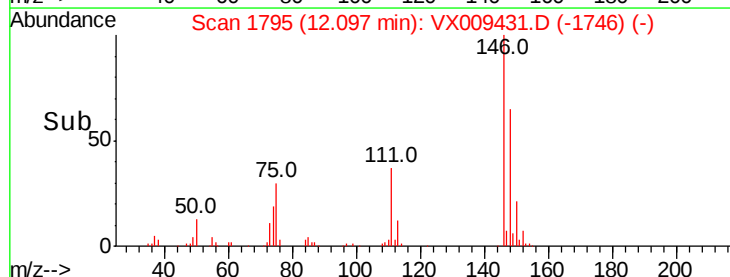
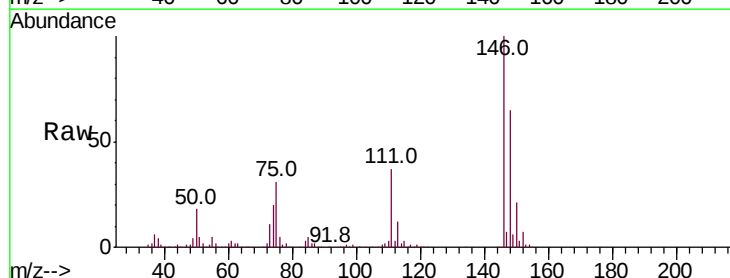
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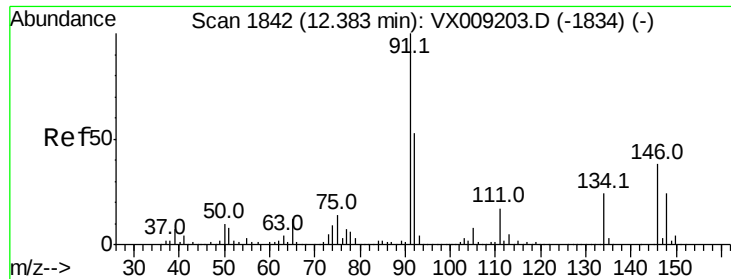
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#88
 1,4-Dichlorobenzene
 Concen: 19.672 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009431.D
 Acq: 09 May 2019 16:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.6	58.8
148	64.7	31.8	95.3





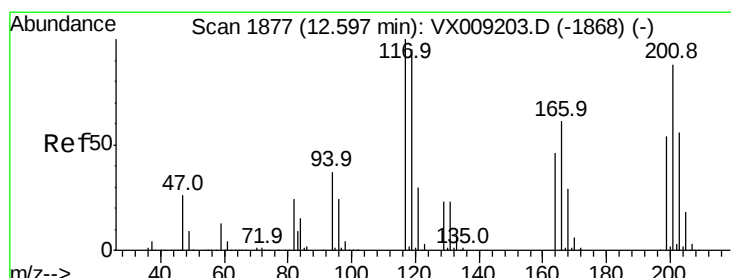
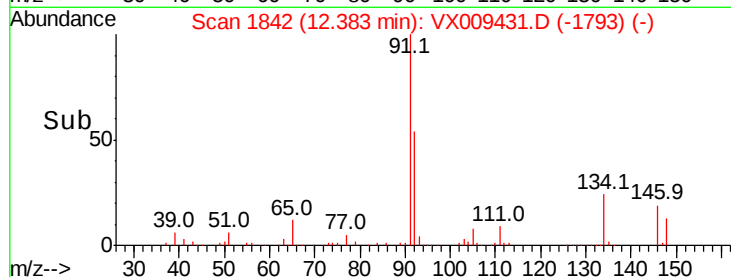
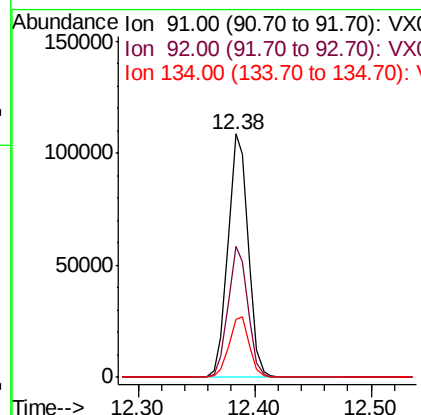
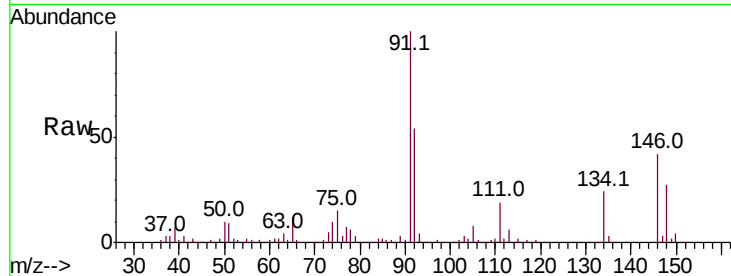
#89
n-Butylbenzene
Concen: 19.413 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009431.D
Acq: 09 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.5	79.5
134	24.9	12.4	37.2

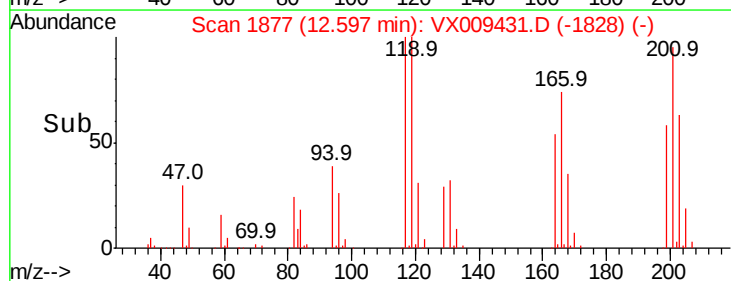
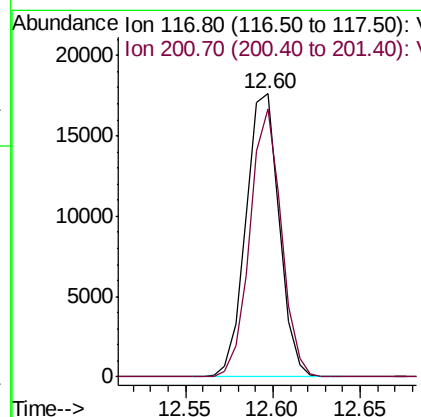
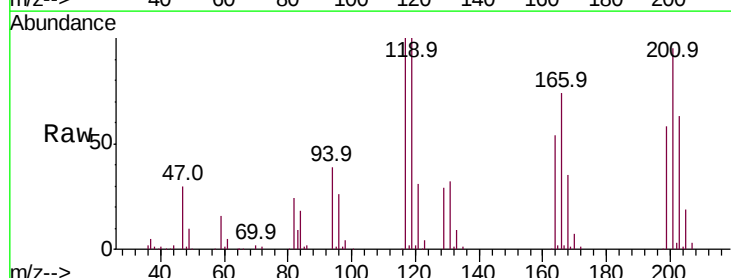
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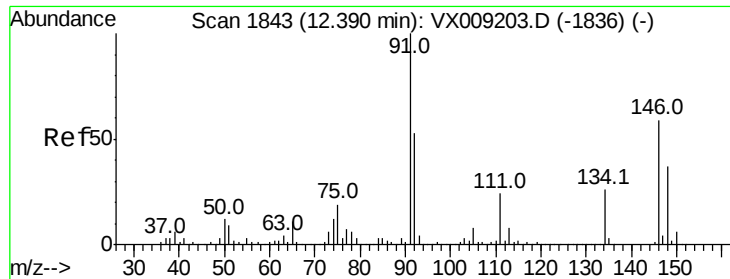
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#90
Hexachloroethane
Concen: 18.515 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009431.D
Acq: 09 May 2019 16:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.9	42.3	126.9





#91

1,2-Dichlorobenzene

Concen: 19.601 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX009431.D

Acq: 09 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD01

Tot Ion:146 Resp: 74830

Ion Ratio Lower Upper

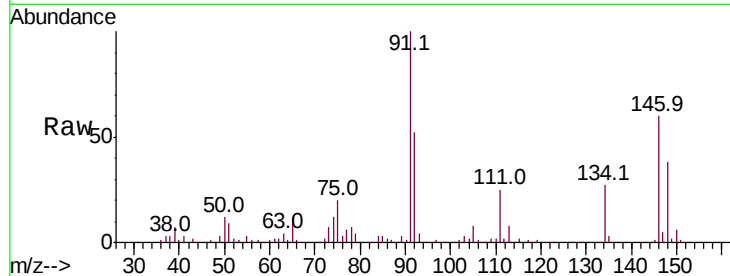
146 100

111 41.6 20.8 62.4

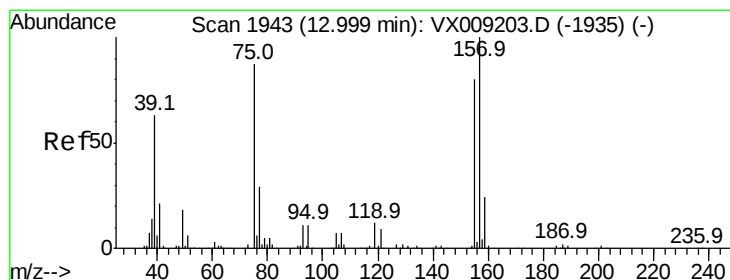
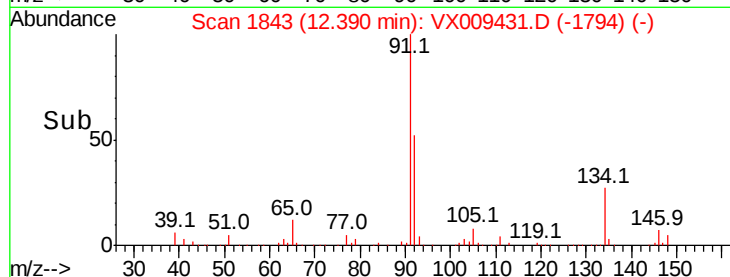
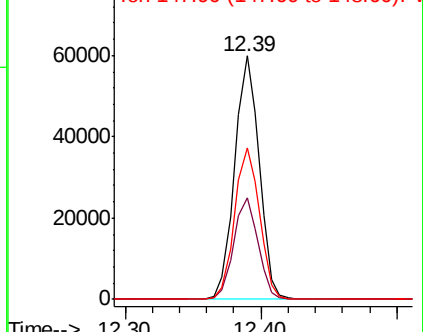
148 63.4 31.9 95.9

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.723 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX009431.D

Acq: 09 May 2019 16:34

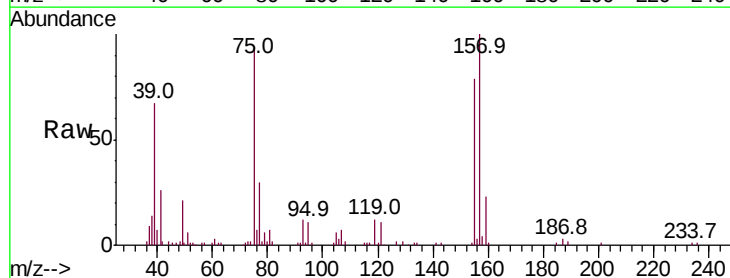
Tgt Ion: 75 Resp: 14680

Ion Ratio Lower Upper

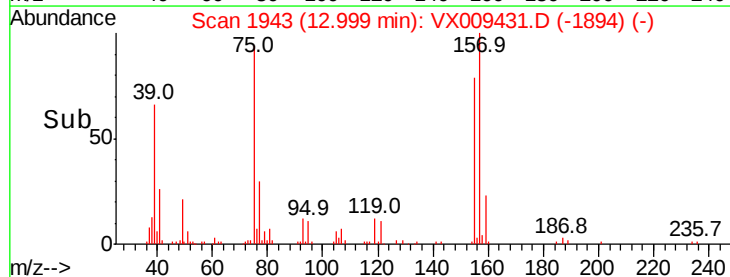
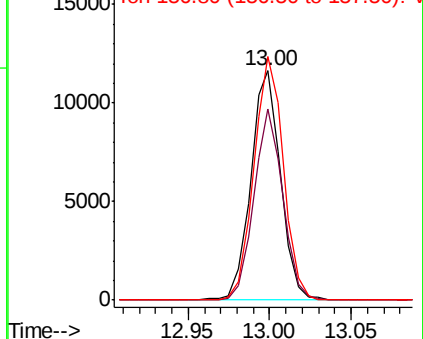
75 100

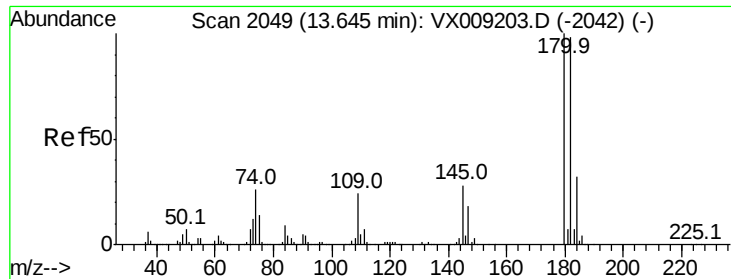
155 80.8 42.0 126.0

157 105.3 53.2 159.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





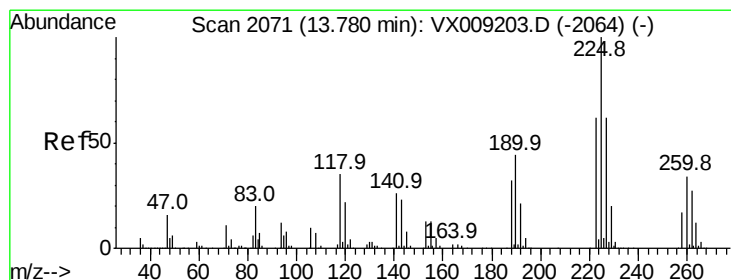
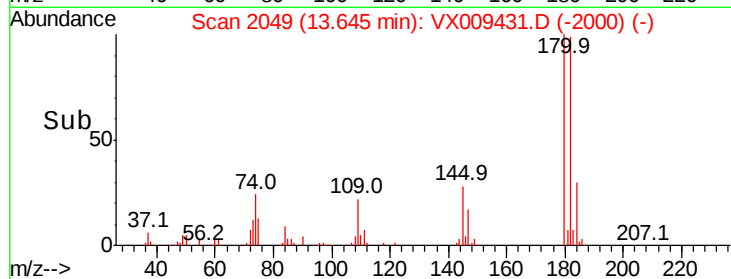
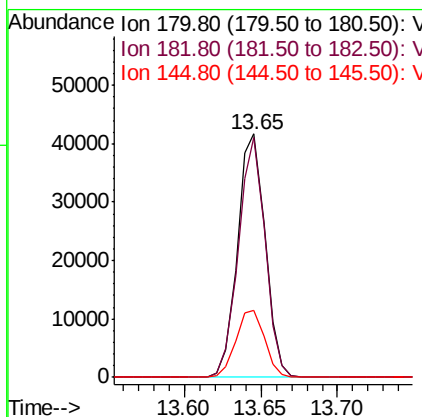
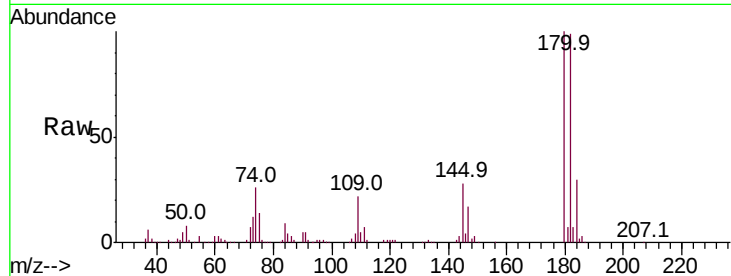
#93
 1,2,4-Trichlorobenzene
 Concen: 20.034 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009431.D
 Acq: 09 May 2019 16:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.3	48.4	145.2	
145	28.7	14.6	43.8	

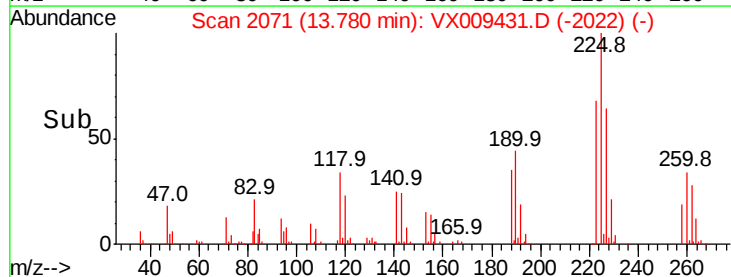
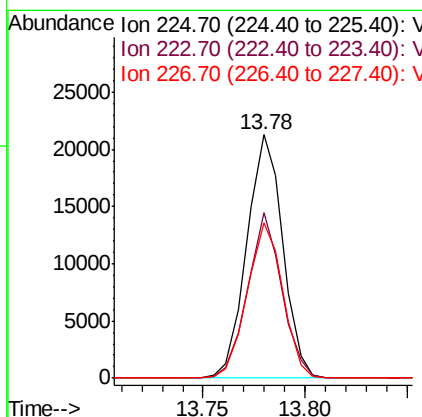
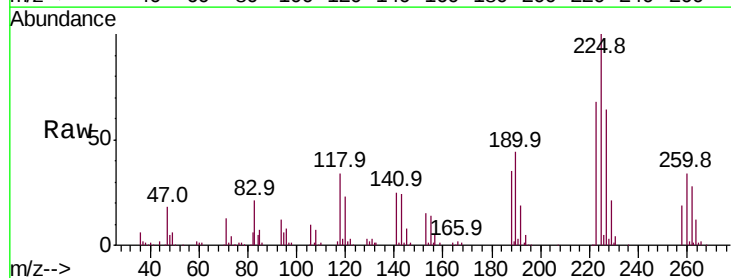
Manual Integrations
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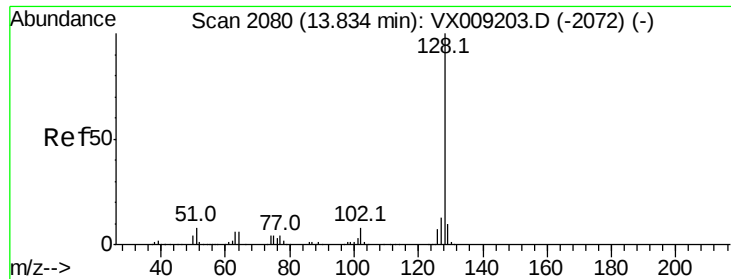
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#94
 Hexachlorobutadiene
 Concen: 19.500 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009431.D
 Acq: 09 May 2019 16:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.9	31.3	93.8	
227	63.6	31.8	95.3	





#95

Naphthalene

Concen: 20.538 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX009431.D

Acq: 09 May 2019 16:34

Instrument :

MSVOA_X

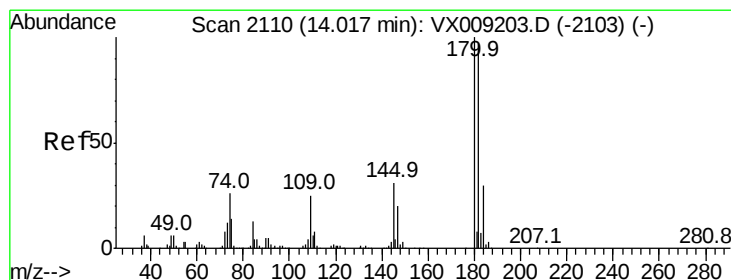
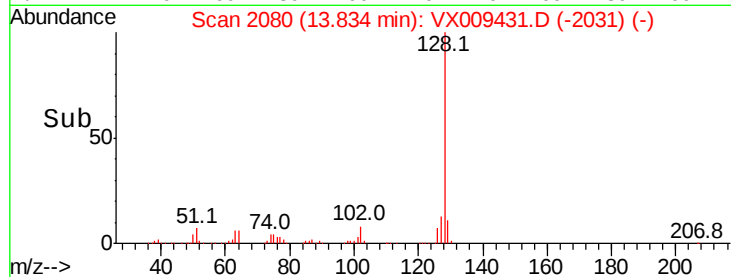
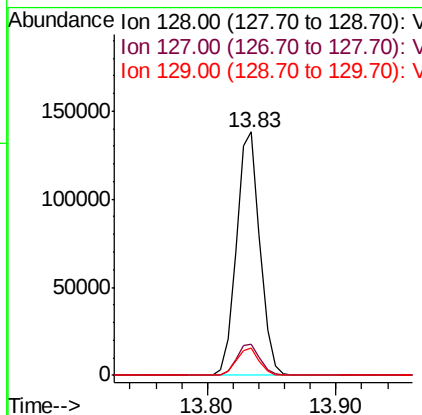
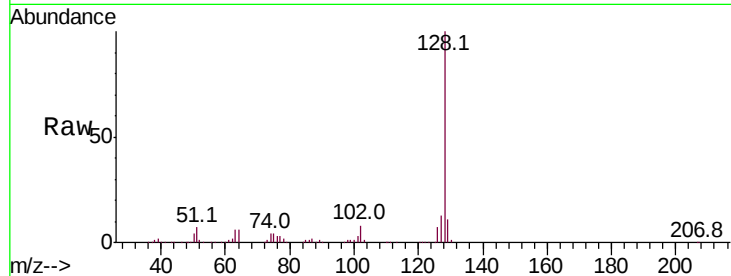
ClientSampleId :

VX0509WBSD01

Tot Ion:	128	Resp:	174438
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 20.175 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009431.D

Acq: 09 May 2019 16:34

Tgt Ion:	180	Resp:	53388
Ion Ratio	Lower	Upper	
180	100		
182	97.3	47.8	143.4
145	31.3	15.4	46.4

