

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051119\
 Data File : VX009529.D
 Acq On : 11 May 2019 16:40
 Operator : JC/SP
 Sample : VX0511MBSD01
 Misc : 5.00µg/10mL/100µL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511MBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/13/2019 4:27:28 PM

Quant Time: May 12 02:35:54 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	5.66	168	163011	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	262323	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	238064	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	114926	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	114094	51.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.54%	
35) Dibromofluoromethane	5.50	113	82918	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
50) Toluene-d8	8.71	98	334057	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
62) 4-Bromofluorobenzene	11.13	95	119685	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	27976	18.624	ug/l	98
3) Chloromethane	1.32	50	42867	20.902	ug/l	98
4) Vinyl Chloride	1.40	62	42686	21.345	ug/l	99
5) Bromomethane	1.64	94	24727	20.600	ug/l	95
6) Chloroethane	1.72	64	27194	21.180	ug/l	98
7) Trichlorofluoromethane	1.93	101	52733	21.693	ug/l	100
8) Diethyl Ether	2.18	74	25200	21.885	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	31949	20.929	ug/l	99
10) Methyl Iodide	2.51	142	33847	21.924	ug/l	99
11) Tert butyl alcohol	3.04	59	55478	107.703	ug/l	99
12) 1,1-Dichloroethene	2.37	96	33208	21.711	ug/l	92
13) Acrolein	2.29	56	41948	89.922	ug/l	98
14) Allyl chloride	2.73	41	76312	20.473	ug/l	99
15) Acrylonitrile	3.14	53	136586	108.448	ug/l	99
16) Acetone	2.44	43	118250	98.963	ug/l	96
17) Carbon Disulfide	2.57	76	91289	21.259	ug/l	98
18) Methyl Acetate	2.77	43	59323	20.876	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	125898	21.197	ug/l	100
20) Methylene Chloride	2.85	84	39826	20.585	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	35389	21.335	ug/l	98
22) Diisopropyl ether	3.85	45	155736	21.726	ug/l	96
23) Vinyl Acetate	3.81	43	683349	111.326	ug/l	100
24) 1,1-Dichloroethane	3.70	63	74609	21.099	ug/l	99
25) 2-Butanone	4.67	43	199964	107.691	ug/l	100
26) 2,2-Dichloropropane	4.59	77	48293	18.347	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	42137	21.282	ug/l	98
28) Bromochloromethane	5.01	49	30360	19.665	ug/l	100
29) Tetrahydrofuran	5.13	42	133620	111.829	ug/l	100
30) Chloroform	5.21	83	69296	21.667	ug/l	96
31) Cyclohexane	5.58	56	72897	22.157	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	56454	21.204	ug/l	99
36) 1,1-Dichloropropene	5.80	75	51944	21.308	ug/l	99
37) Ethyl Acetate	4.84	43	74992	22.079	ug/l	99
38) Carbon Tetrachloride	5.78	117	47018	21.228	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	63109	21.080	ug/l	100
40) Benzene	6.14	78	163074	21.615	ug/l	99
41) Methacrylonitrile	5.04	41	42838	21.187	ug/l	99
42) 1,2-Dichloroethane	6.20	62	59302	21.912	ug/l	100
43) Isopropyl Acetate	6.45	43	118656	21.840	ug/l	100
44) Trichloroethene	7.21	130	38429	21.070	ug/l	97
45) 1,2-Dichloropropane	7.51	63	45846	21.460	ug/l	99
46) Dibromomethane	7.66	93	26400	21.280	ug/l	97
47) Bromodichloromethane	7.90	83	52133	21.067	ug/l	99
48) Methyl methacrylate	7.77	41	58519	21.710	ug/l	99
49) 1,4-Dioxane	7.74	88	23959	438.301	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	393795	110.893	ug/l	99
52) Toluene	8.78	92	99231	21.637	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	57380	20.538	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	64408	20.828	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	40066	21.414	ug/l	95
56) Ethyl methacrylate	9.18	69	71925	21.535	ug/l	100
57) 1,3-Dichloropropane	9.37	76	70557	21.429	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	171988	97.070	ug/l	100
59) 2-Hexanone	9.49	43	303296	108.747	ug/l	98
60) Dibromochloromethane	9.58	129	38832	21.250	ug/l	99
61) 1,2-Dibromoethane	9.67	107	40897	21.654	ug/l	99
64) Tetrachloroethene	9.34	164	35903	21.986	ug/l	98
65) Chlorobenzene	10.14	112	100964	21.200	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	36694	21.253	ug/l	99
67) Ethyl Benzene	10.25	91	188083	21.460	ug/l	100
68) m/p-Xylenes	10.36	106	139603	43.587	ug/l	99
69) o-Xylene	10.69	106	67211	21.269	ug/l	98
70) Styrene	10.71	104	118276	21.534	ug/l	99
71) Bromoform	10.85	173	28104	20.030	ug/l #	96
73) Isopropylbenzene	11.02	105	180479	21.595	ug/l	100
74) N-amyl acetate	10.90	43	103501	21.242	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	66048	21.200	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	57811m	21.686	ug/l	
77) Bromobenzene	11.26	156	44271	21.342	ug/l	99
78) n-propylbenzene	11.36	91	204565	21.433	ug/l	100
79) 2-Chlorotoluene	11.42	91	123291	20.938	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	152606	21.687	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	19949	19.147	ug/l	92
82) 4-Chlorotoluene	11.51	91	140308	21.092	ug/l	100
83) tert-Butylbenzene	11.77	119	144447	21.101	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	153201	21.690	ug/l	100
85) sec-Butylbenzene	11.94	105	173117	21.331	ug/l	99
86) p-Isopropyltoluene	12.06	119	155939	21.373	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	76986	20.819	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	77622	20.821	ug/l	99
89) n-Butylbenzene	12.38	91	135823	20.597	ug/l	100
90) Hexachloroethane	12.60	117	25303	20.356	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	78352	20.803	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15310	21.906	ug/l	99

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Instrument :
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Manual Integrations
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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	54566	21.186	ug/l	98
94) Hexachlorobutadiene	13.78	225	27756	21.103	ug/l	98
95) Naphthalene	13.83	128	184686	22.040	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	57057	21.854	ug/l	99

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

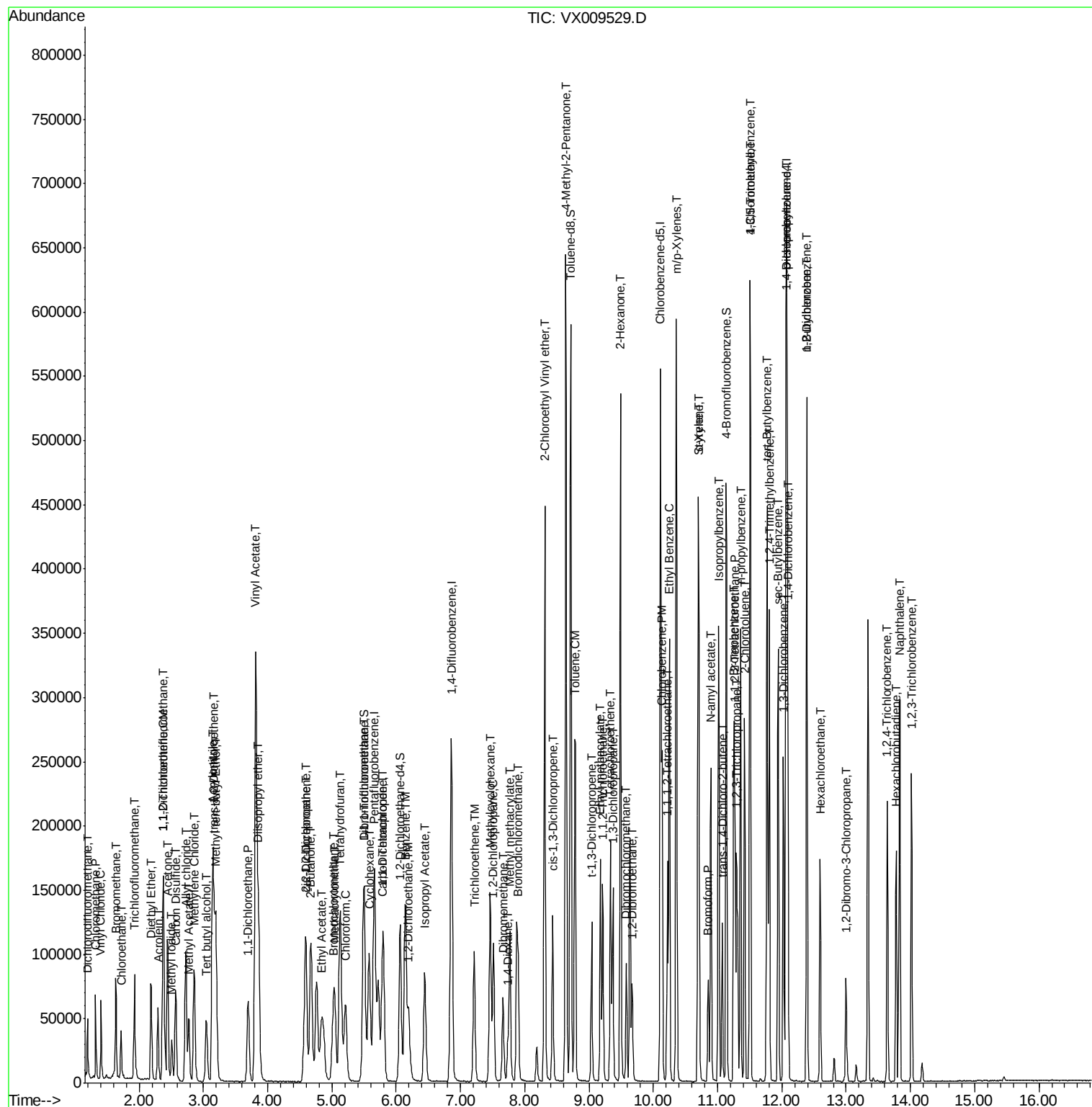
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 Data File : VX009529.D
 Acq On : 11 May 2019 16:40
 Operator : JC/SP
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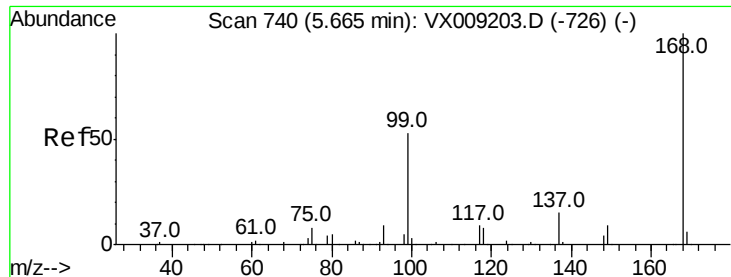
Instrument :
 MSVOA_X
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009529.D

Acq: 11 May 2019 16:40

Instrument :

MSVOA_X

ClientSampleId :

VX0511MBSD01

Tot Ion:168 Resp: 163011

Ion Ratio Lower Upper

168 100

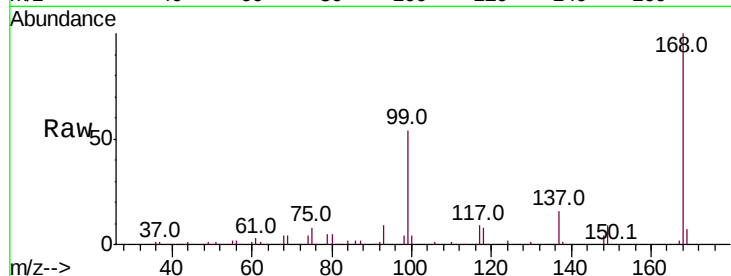
99 54.0 42.3 63.5

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

5.66

60000

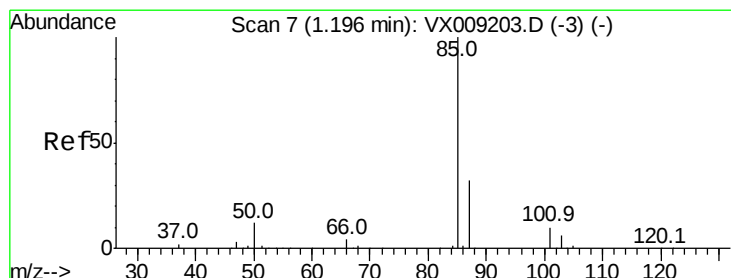
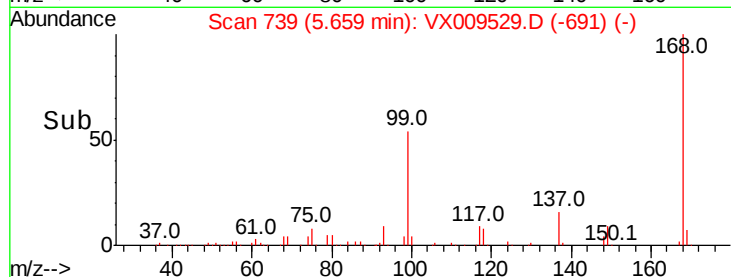
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.624 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009529.D

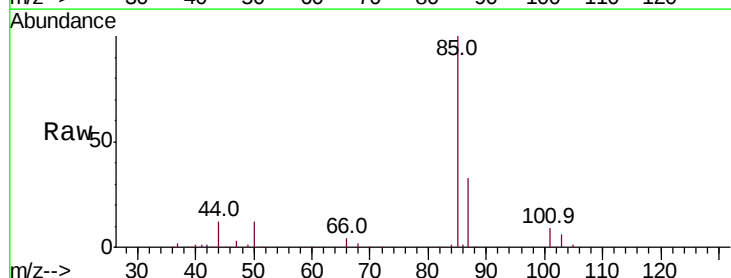
Acq: 11 May 2019 16:40

Tgt Ion: 85 Resp: 27976

Ion Ratio Lower Upper

85 100

87 33.3 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

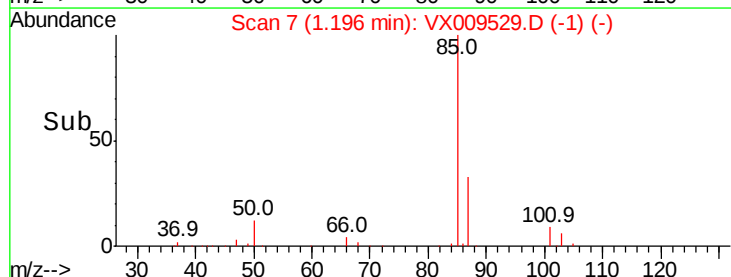
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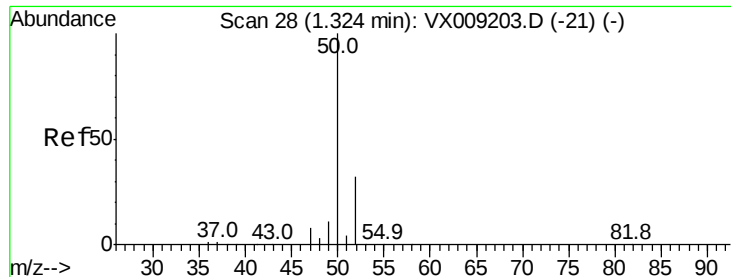
5000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 20.902 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009529.D

Acq: 11 May 2019 16:40

Instrument :

MSVOA_X

ClientSampleId :

VX0511MBSD01

Tot Ion: 50 Resp: 42867

Ion Ratio Lower Upper

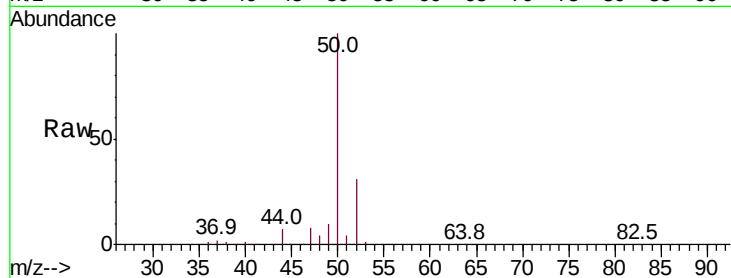
50 100

52 31.4 25.9 38.9

Manual Integrations
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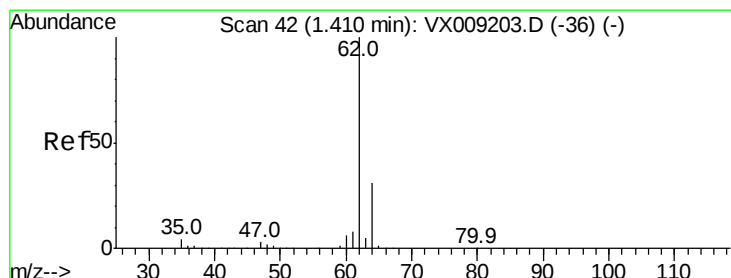
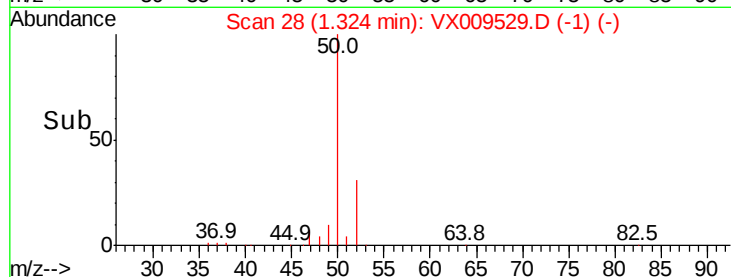
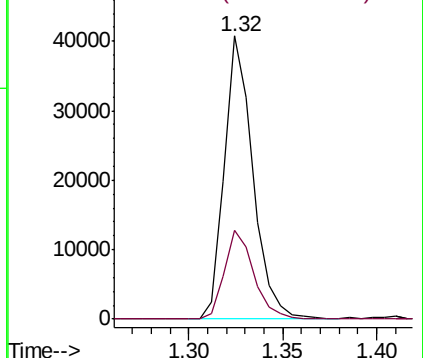
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 21.345 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009529.D

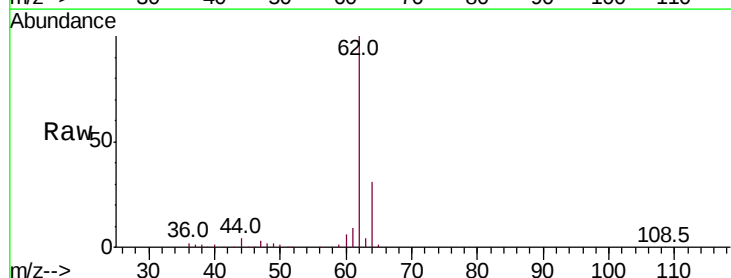
Acq: 11 May 2019 16:40

Tgt Ion: 62 Resp: 42686

Ion Ratio Lower Upper

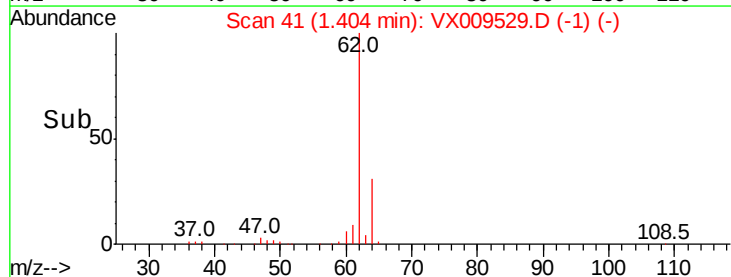
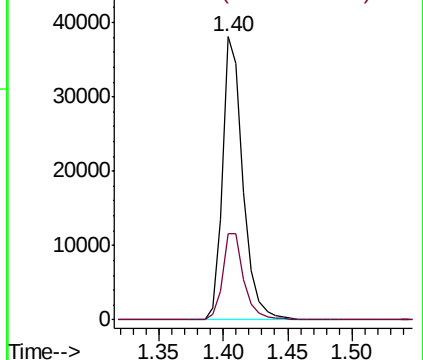
62 100

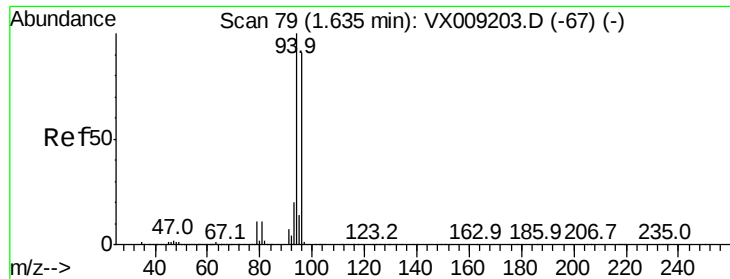
64 30.4 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 20.600 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009529.D

Acq: 11 May 2019 16:40

Instrument :

MSVOA_X

ClientSampleId :

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Tot Ion: 94 Resp: 24727

Ion Ratio Lower Upper

94 100

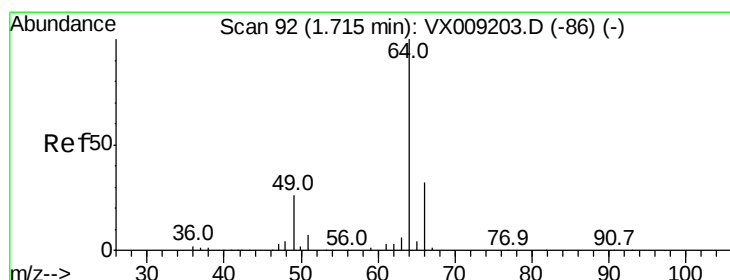
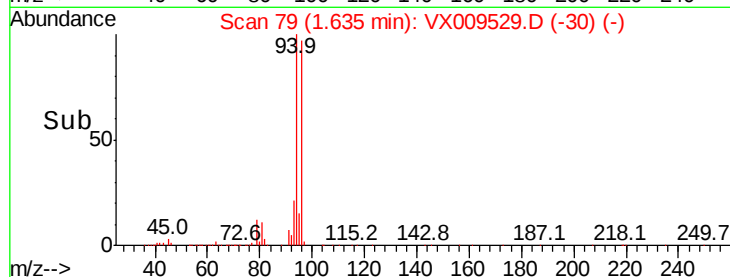
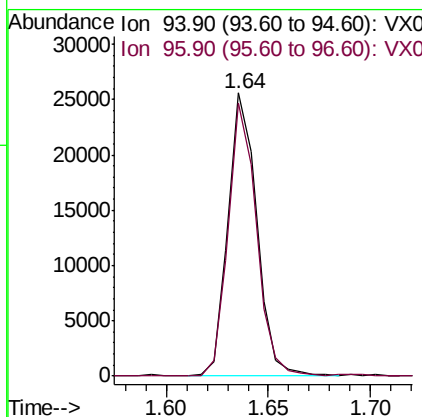
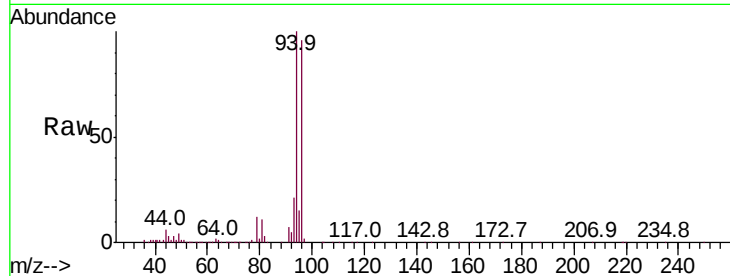
96 96.4 73.0 109.6

Manual Integrations

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#6

Chloroethane

Concen: 21.180 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009529.D

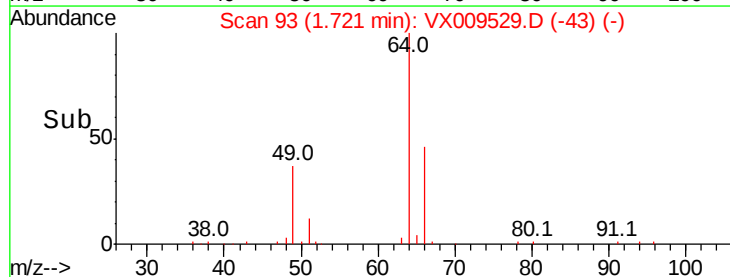
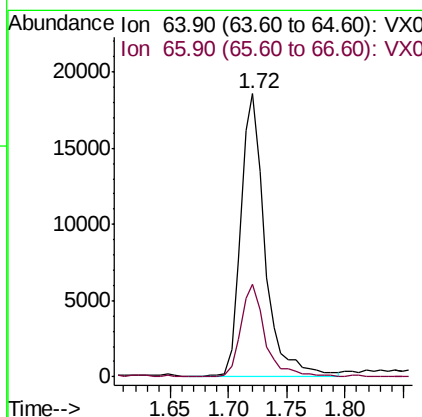
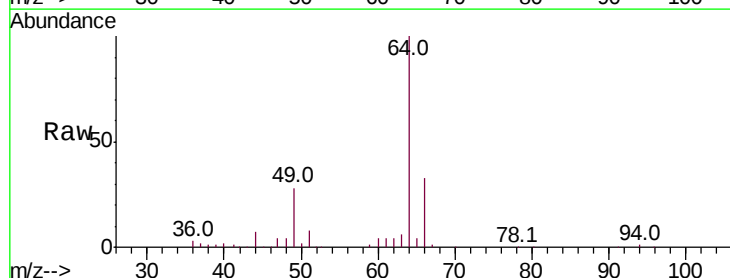
Acq: 11 May 2019 16:40

Tgt Ion: 64 Resp: 27194

Ion Ratio Lower Upper

64 100

66 32.6 25.3 37.9





#7

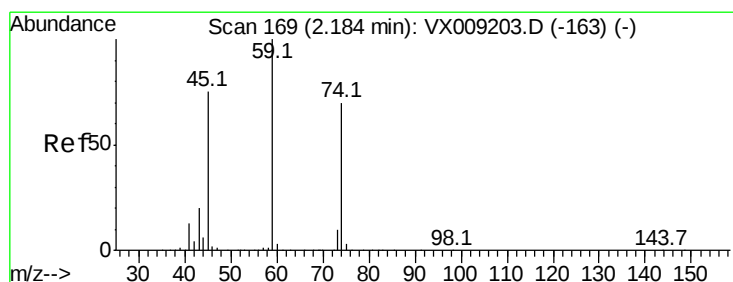
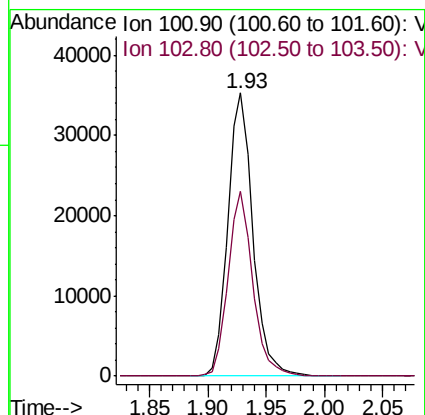
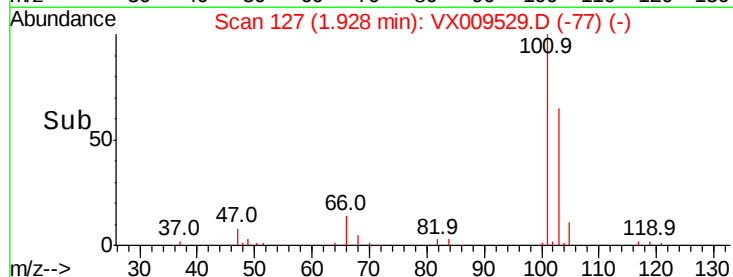
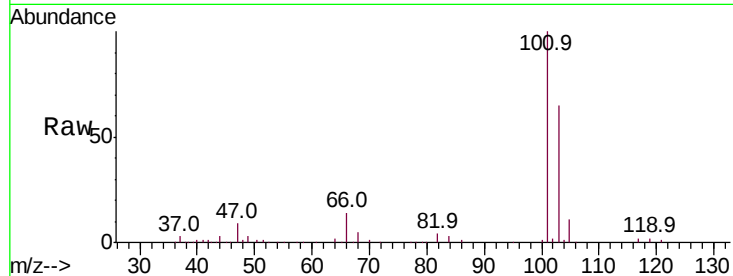
Trichlorofluoromethane
Concen: 21.693 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX009529.D
Acq: 11 May 2019 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0511MBSD01

Tot Ion:101 Resp: 52733
Ion Ratio Lower Upper
101 100
103 65.3 52.4 78.6

Manual Integrations
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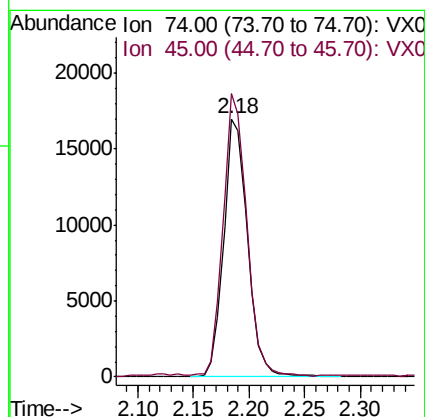
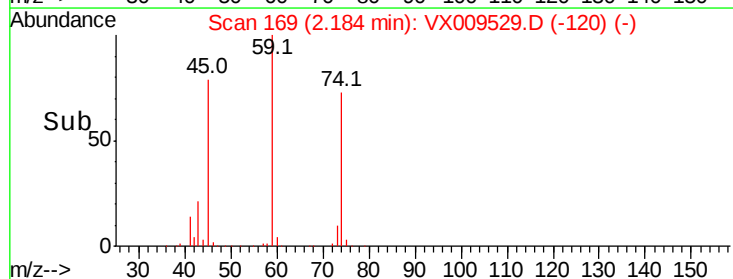
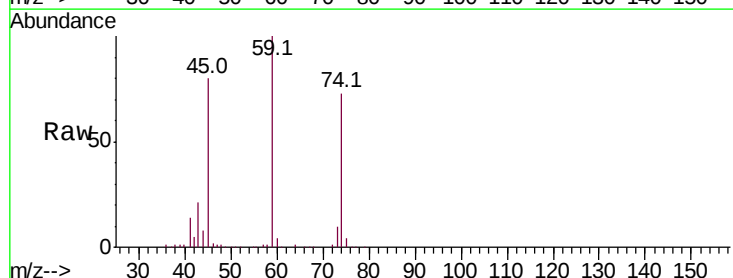
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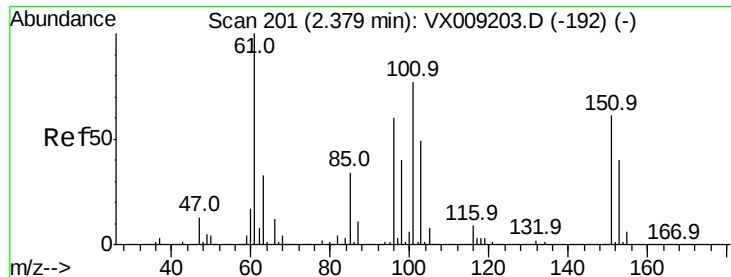


#8

Diethyl Ether
Concen: 21.885 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX009529.D
Acq: 11 May 2019 16:40

Tgt Ion: 74 Resp: 25200
Ion Ratio Lower Upper
74 100
45 110.2 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.929 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009529.D

Acq: 11 May 2019 16:40

Instrument :

MSVOA_X

ClientSampleId :

VX0511MBSD01

Tot Ion:101 Resp: 31949

Ion Ratio Lower Upper

101 100

85 45.3 35.7 53.5

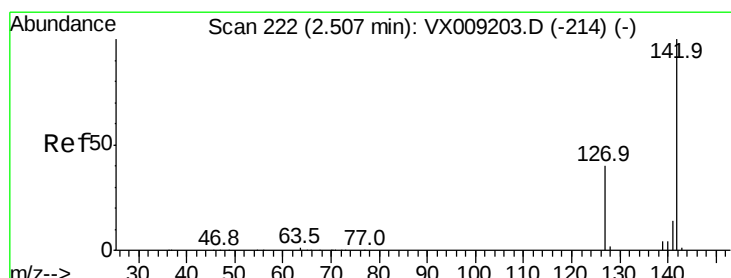
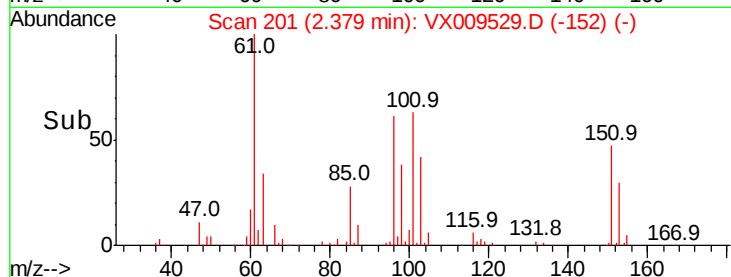
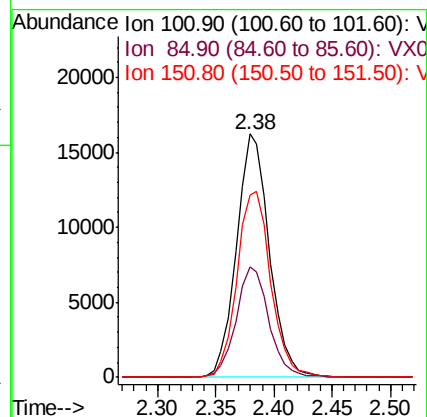
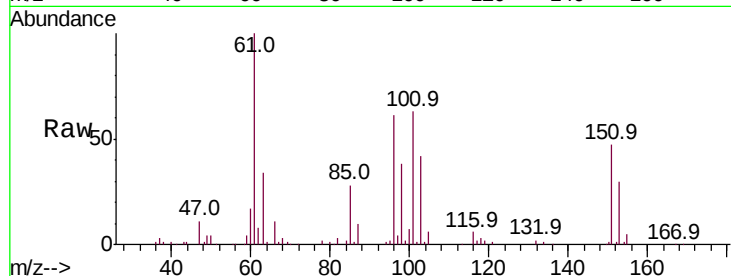
151 78.5 62.2 93.2

Manual Integrations

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#10

Methyl Iodide

Concen: 21.924 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009529.D

Acq: 11 May 2019 16:40

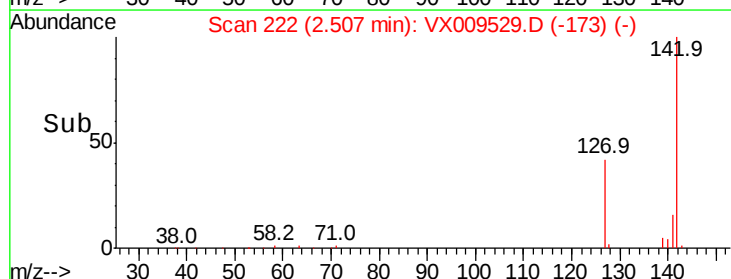
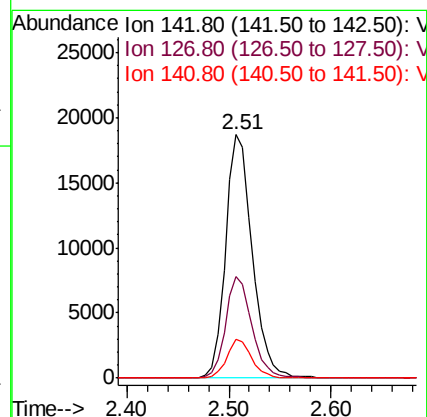
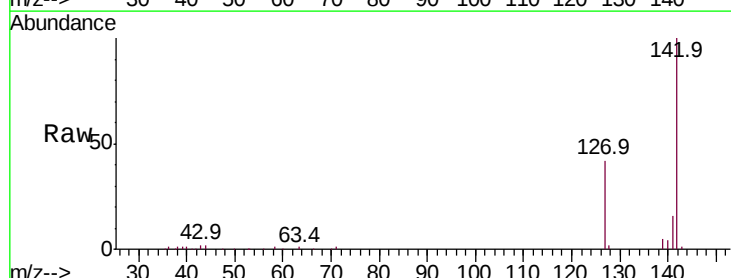
Tgt Ion:142 Resp: 33847

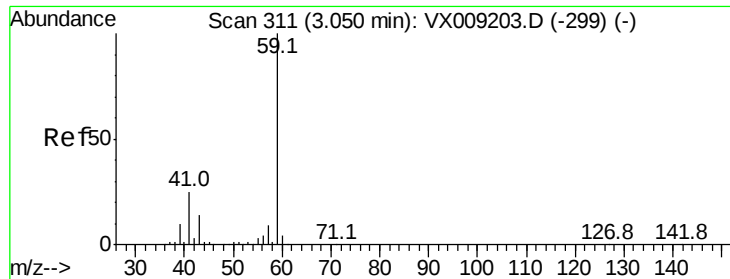
Ion Ratio Lower Upper

142 100

127 41.2 32.7 49.1

141 14.8 11.5 17.3





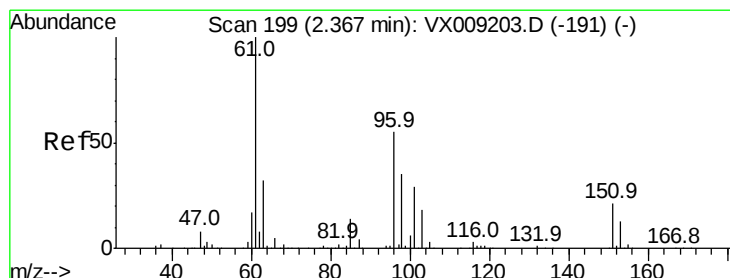
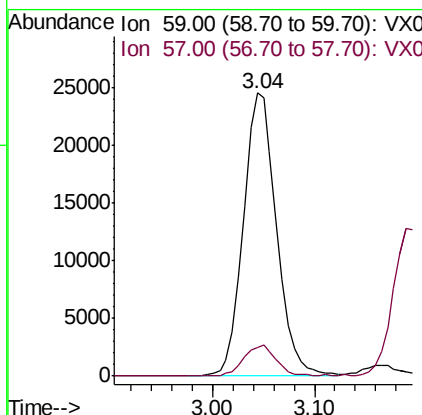
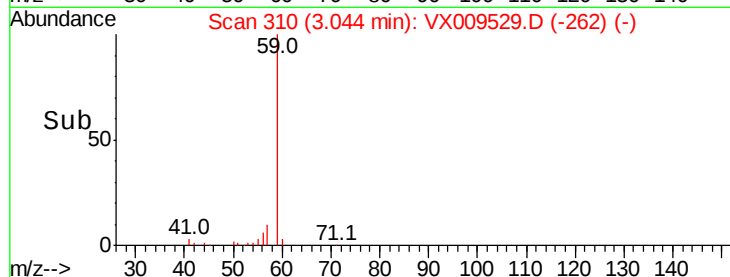
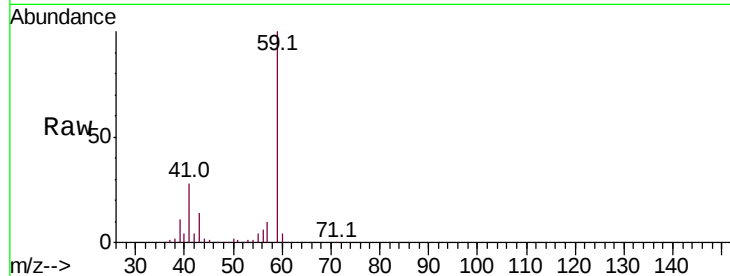
#11
Tert butyl alcohol
Concen: 107.703 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX009529.D
Acq: 11 May 2019 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0511MBSD01

Tot Ion	59	Resp	55478
Ion Ratio	100	Lower	Upper
57	10.7	8.2	12.2

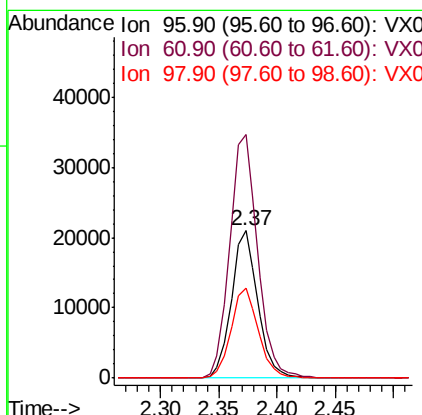
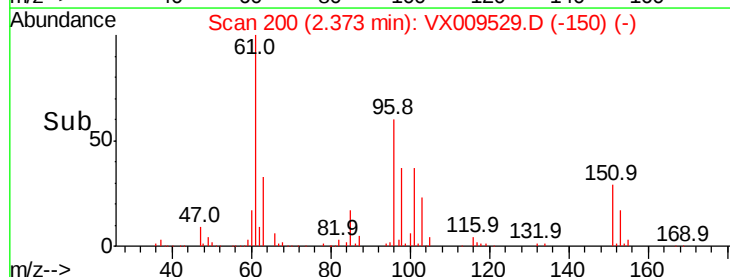
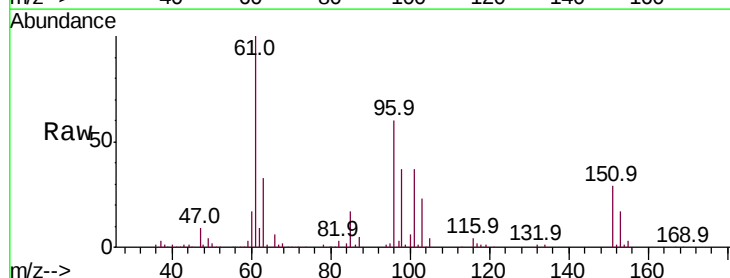
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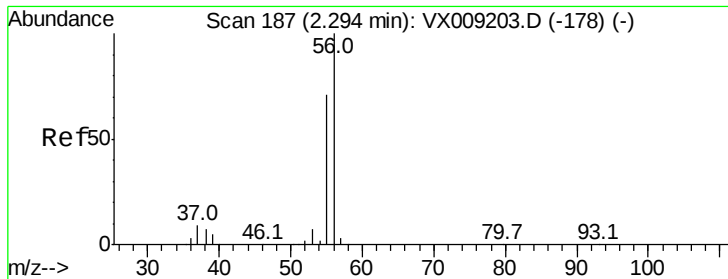
MMDadoda
5/13/2019 4:27:28 PM



#12
1,1-Dichloroethene
Concen: 21.711 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009529.D
Acq: 11 May 2019 16:40

Tgt Ion	96	Resp	33208
Ion Ratio	100	Lower	Upper
61	165.3	144.3	216.5
98	61.5	50.3	75.5





#13

Acrolein

Concen: 89.922 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009529.D

Acq: 11 May 2019 16:40

Instrument :

MSVOA_X

ClientSampleId :

VX0511MBSD01

Tot Ion: 56 Resp: 41948

Ion Ratio Lower Upper

56 100

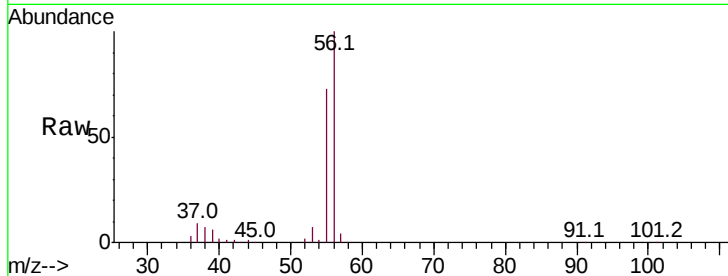
55 72.3 56.6 85.0

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

30000

25000

20000

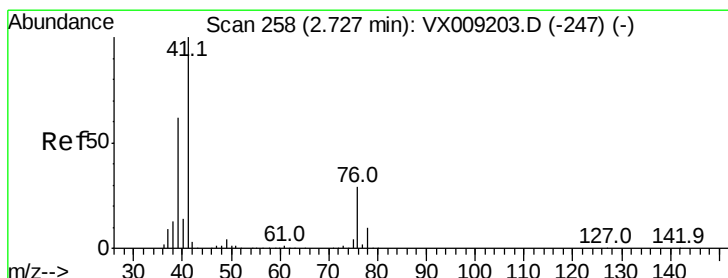
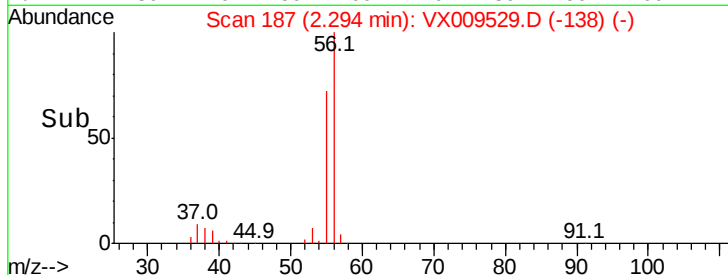
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 20.473 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009529.D

Acq: 11 May 2019 16:40

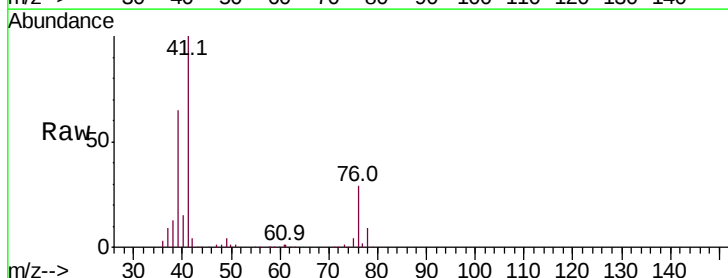
Tgt Ion: 41 Resp: 76312

Ion Ratio Lower Upper

41 100

39 58.6 46.7 70.1

76 26.2 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

50000

40000

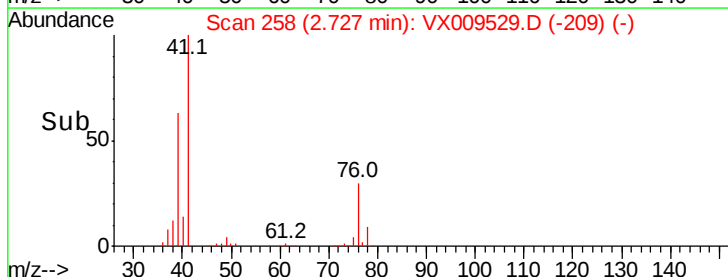
30000

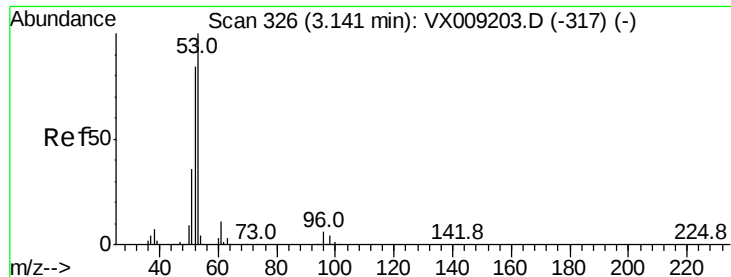
20000

10000

0

Time-->





#15

Acrylonitrile

Concen: 108.448 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009529.D

Acq: 11 May 2019 16:40

Instrument :

MSVOA_X

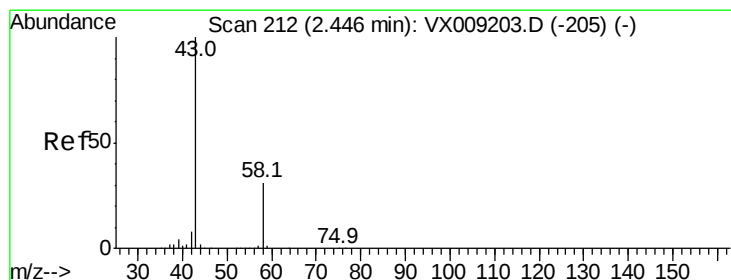
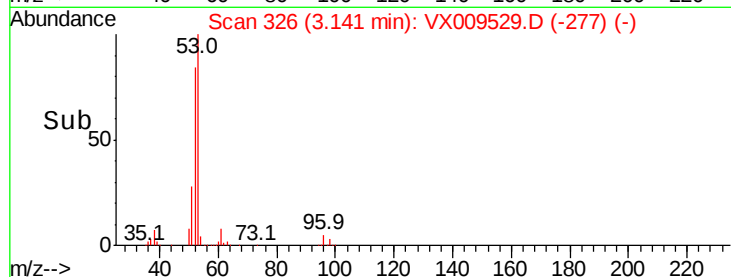
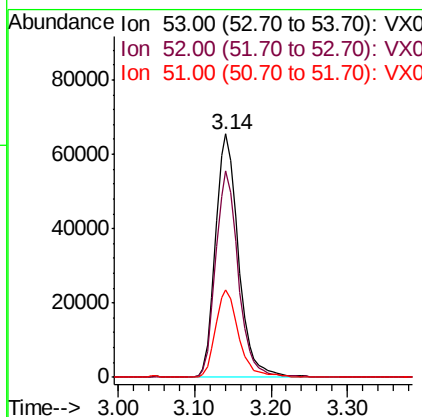
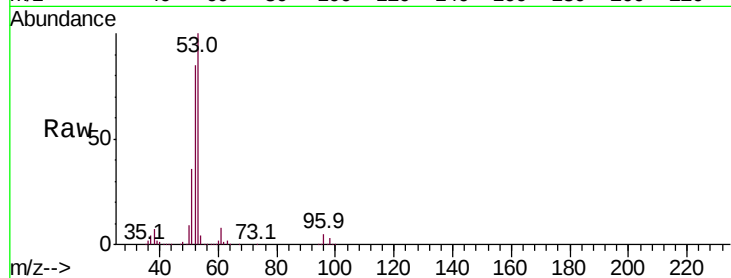
ClientSampleId :

VX0511MBSD01

Tot Ion:	53	Resp:	136586
Ion Ratio	Lower	Upper	
53	100		
52	83.3	66.9	100.3
51	35.9	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 98.963 ug/l

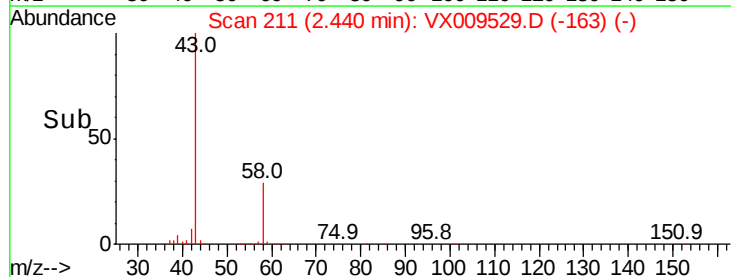
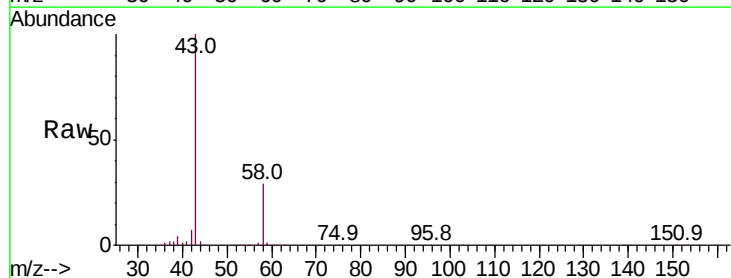
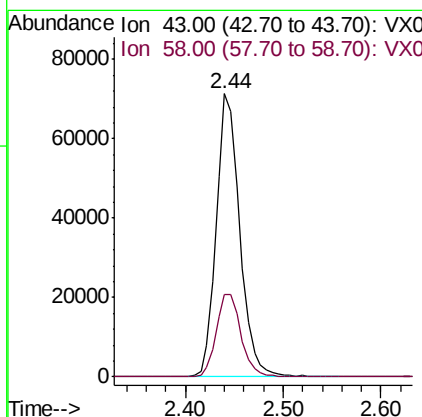
RT: 2.44 min Scan# 211

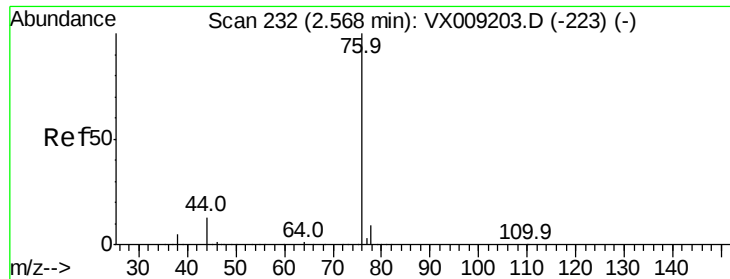
Delta R.T. -0.01 min

Lab File: VX009529.D

Acq: 11 May 2019 16:40

Tgt Ion:	43	Resp:	118250
Ion Ratio	Lower	Upper	
43	100		
58	29.1	24.9	37.3





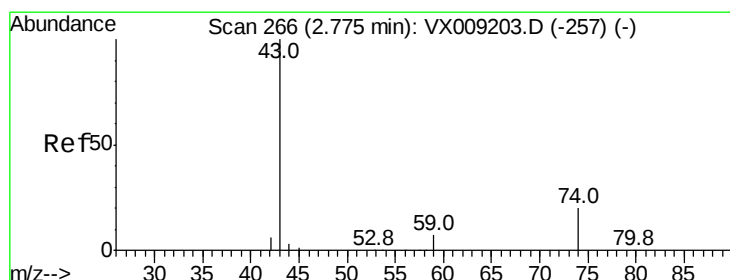
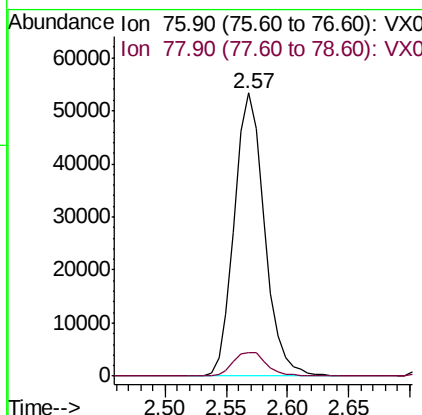
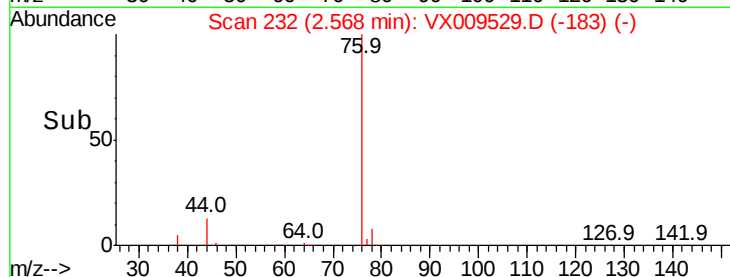
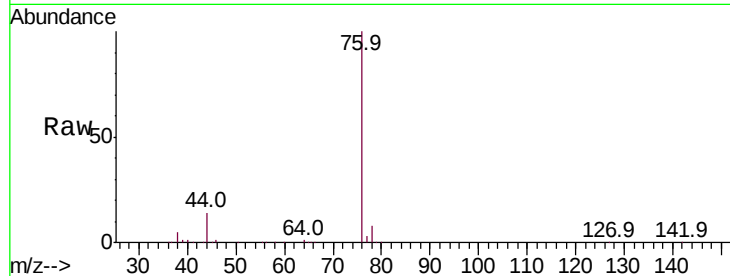
#17
Carbon Disulfide
Concen: 21.259 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX009529.D
Acq: 11 May 2019 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0511MBSD01

Tot Ion: 76 Resp: 91289
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.0

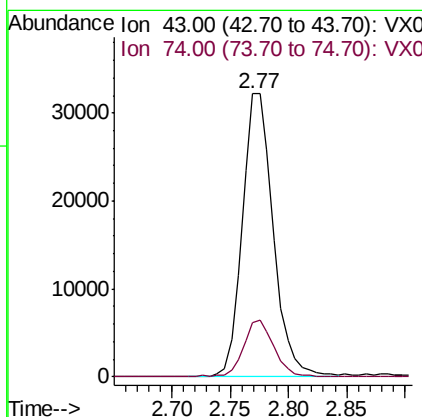
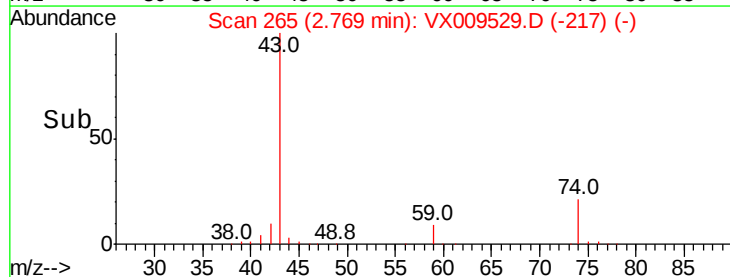
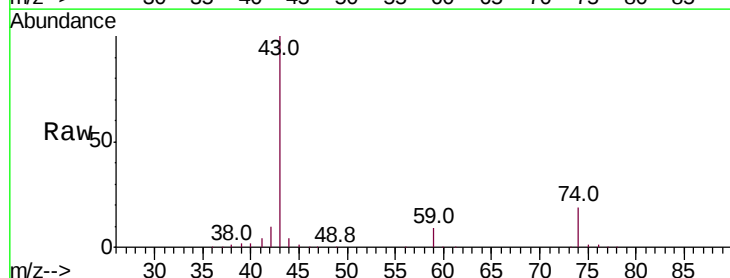
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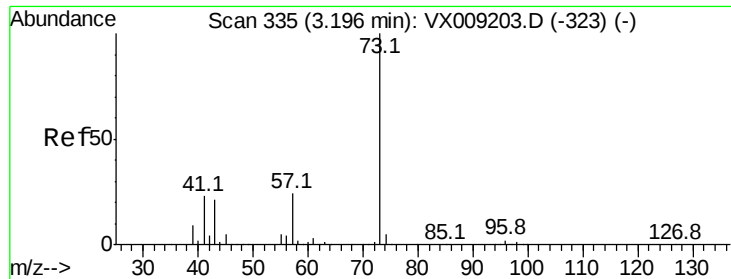
MMDadoda
5/13/2019 4:27:28 PM



#18
Methyl Acetate
Concen: 20.876 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX009529.D
Acq: 11 May 2019 16:40

Tgt Ion: 43 Resp: 59323
Ion Ratio Lower Upper
43 100
74 20.1 16.2 24.4





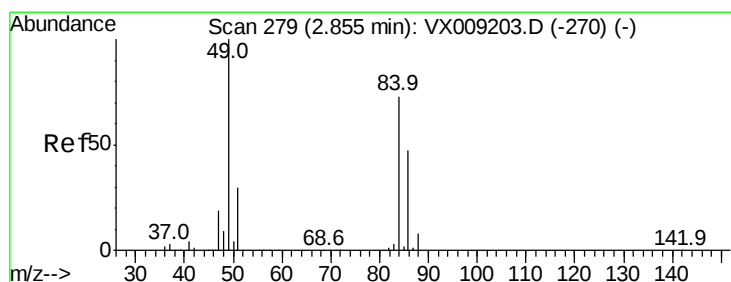
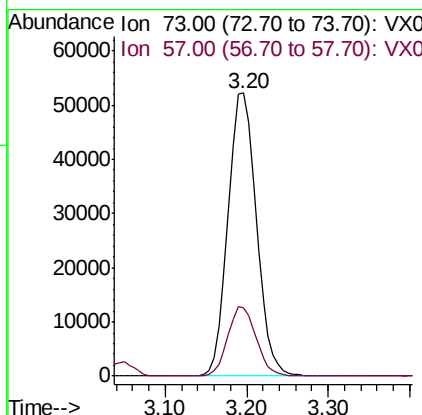
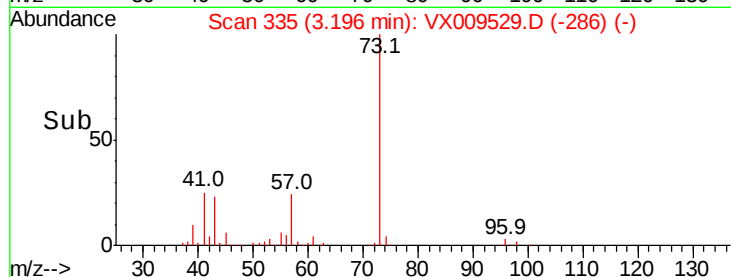
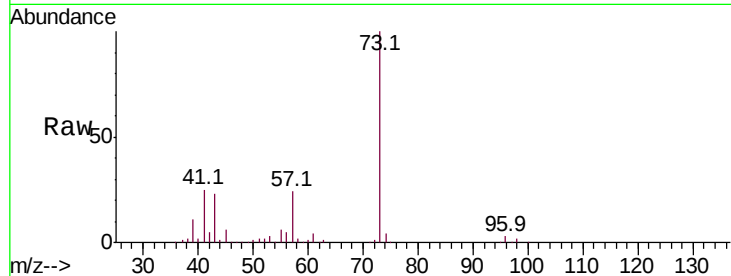
#19
Methvl tert-butvl Ether
Concen: 21.197 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009529.D
Acq: 11 May 2019 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0511MBSD01

Tot Ion: 73 Resp: 125898
Ion Ratio Lower Upper
73 100
57 24.1 19.3 28.9

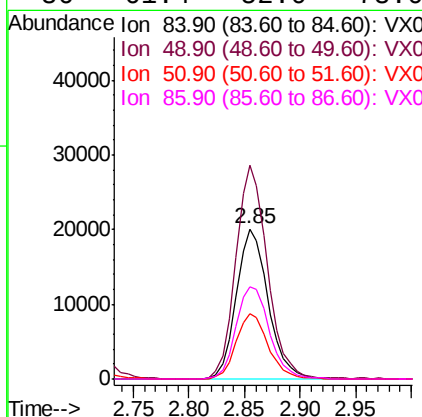
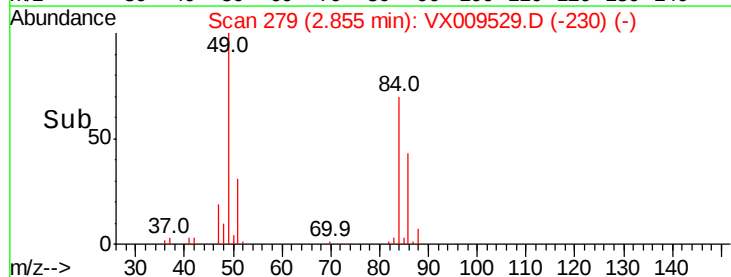
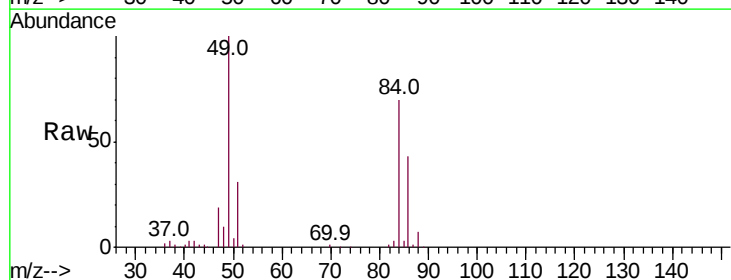
Manual Integrations
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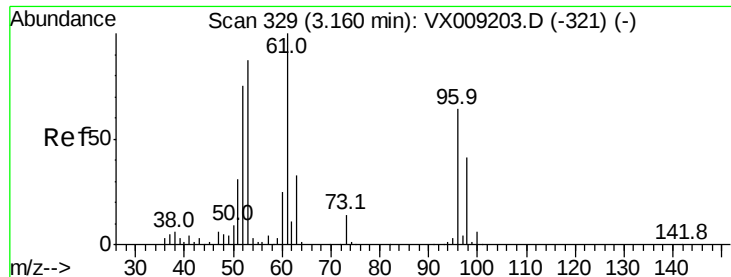
MMDadoda
5/13/2019 4:27:28 PM



#20
Methylene Chloride
Concen: 20.585 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009529.D
Acq: 11 May 2019 16:40

Tgt Ion: 84 Resp: 39826
Ion Ratio Lower Upper
84 100
49 141.8 109.9 164.9
51 43.7 32.7 49.1
86 61.4 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 21.335 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009529.D

Acq: 11 May 2019 16:40

Instrument :

MSVOA_X

ClientSampleId :

VX0511MBSD01

Tot Ion: 96 Resp: 35389

Ion Ratio Lower Upper

96 100

61 152.9 124.5 186.7

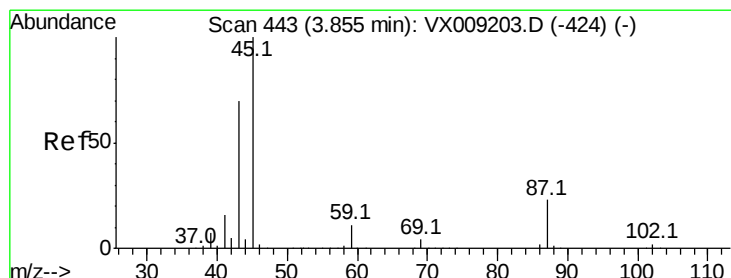
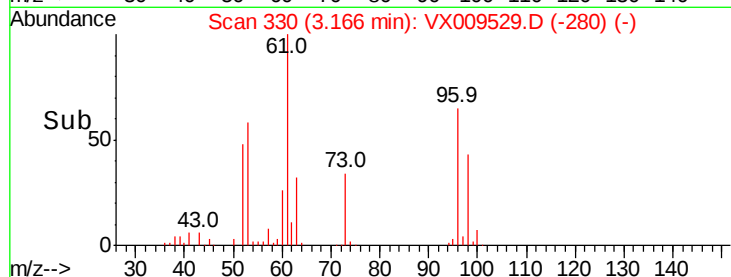
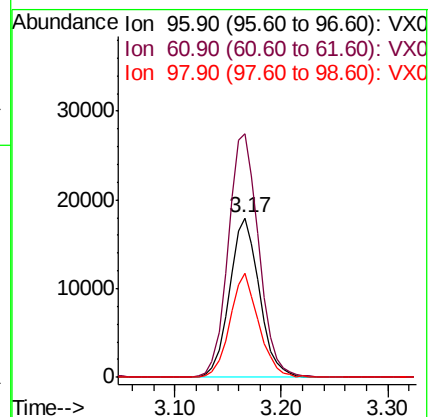
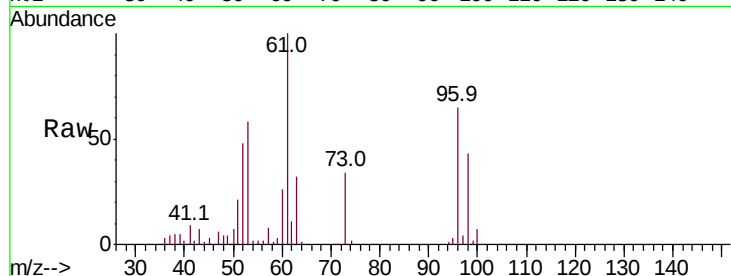
98 65.3 50.4 75.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 21.726 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009529.D

Acq: 11 May 2019 16:40

Tgt Ion: 45 Resp: 155736

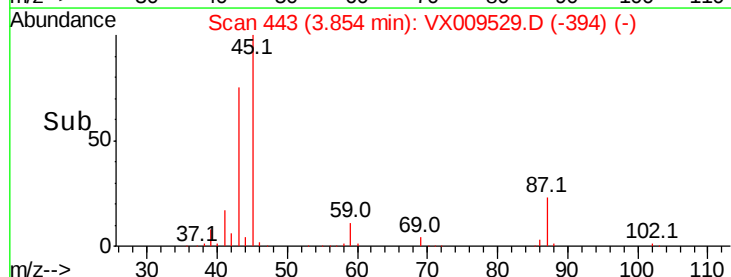
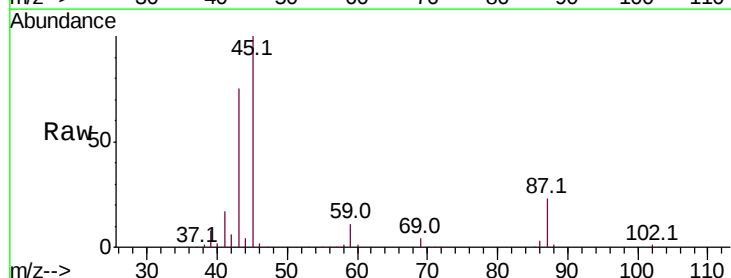
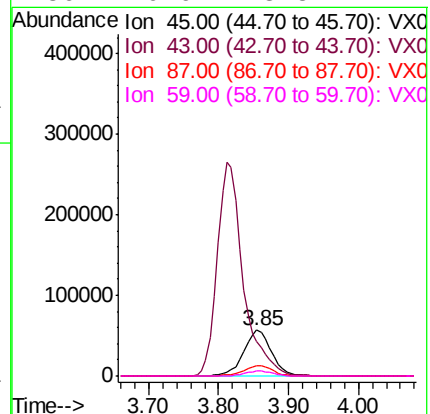
Ion Ratio Lower Upper

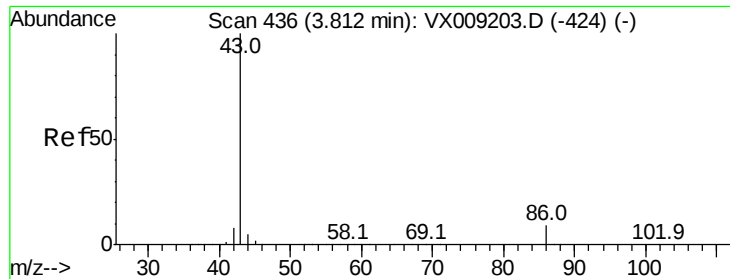
45 100

43 74.5 56.1 84.1

87 22.6 18.1 27.1

59 10.9 8.5 12.7





#23

Vinyl Acetate

Concen: 111.326 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX009529.D

Acq: 11 May 2019 16:40

Instrument :

MSVOA_X

ClientSampleId :

VX0511MBSD01

Tot Ion: 43 Resp: 683349

Ion Ratio Lower Upper

43 100

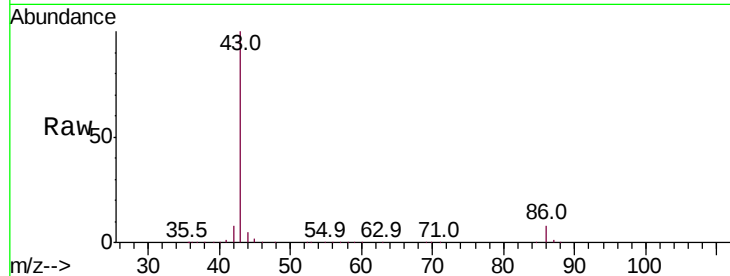
86 8.5 6.9 10.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

300000

250000

200000

150000

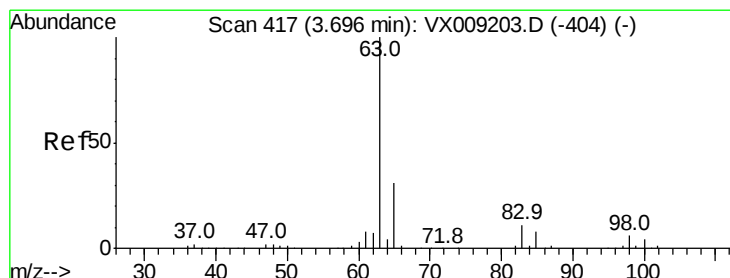
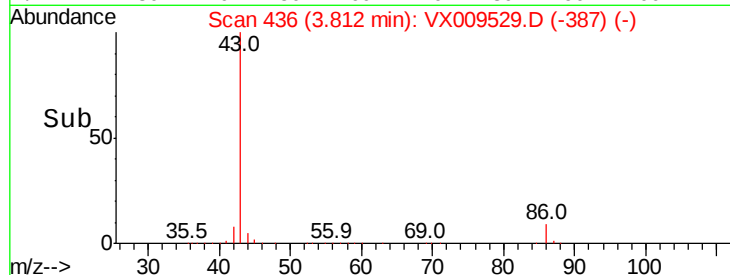
100000

50000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 21.099 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009529.D

Acq: 11 May 2019 16:40

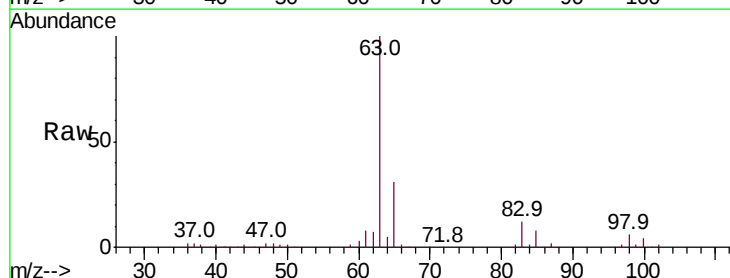
Tgt Ion: 63 Resp: 74609

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

100 3.5 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

40000

30000

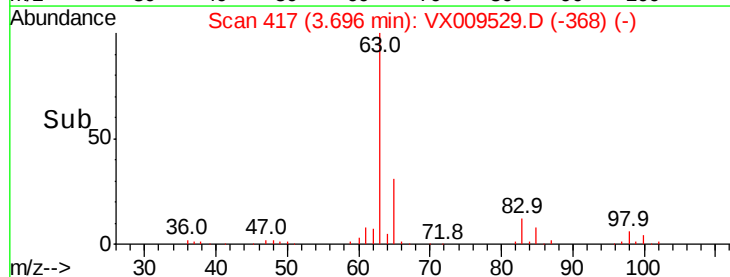
20000

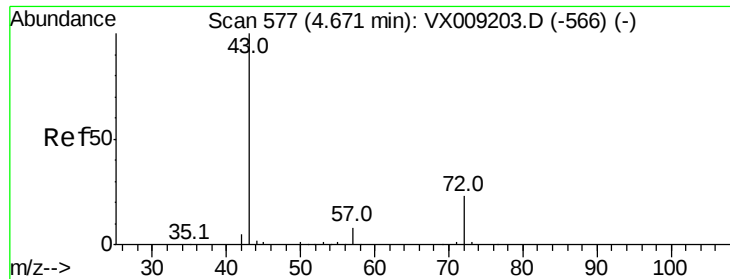
10000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 107.691 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX009529.D

Acq: 11 May 2019 16:40

Instrument :

MSVOA_X

ClientSampleId :

VX0511MBSD01

Tot Ion: 43 Resp: 199964

Ion Ratio Lower Upper

43 100

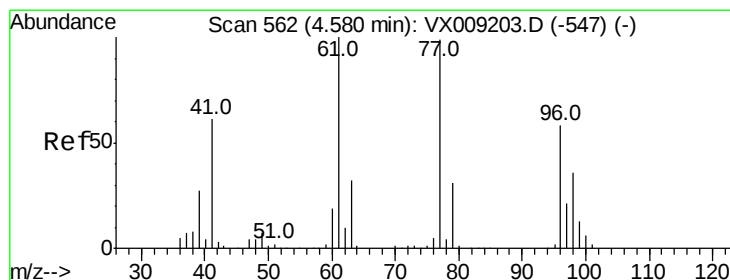
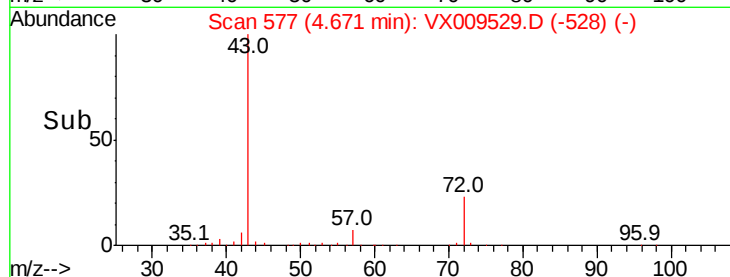
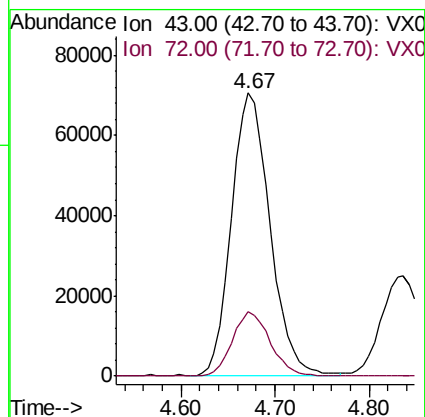
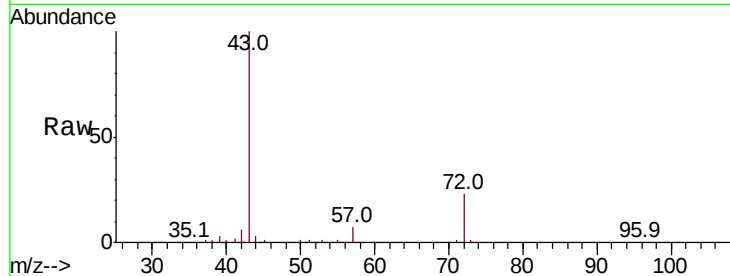
72 22.5 18.2 27.2

Manual Integrations

APPROVED

MMDadoda

5/13/2019 4:27:28 PM



#26

2,2-Dichloropropane

Concen: 18.347 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009529.D

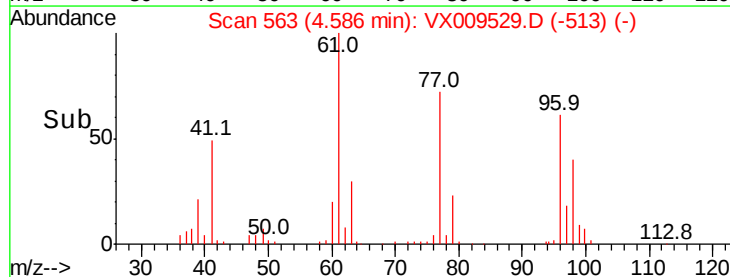
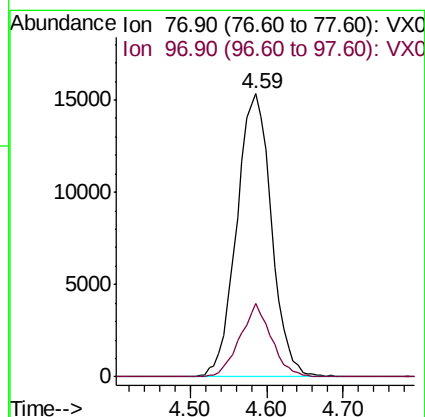
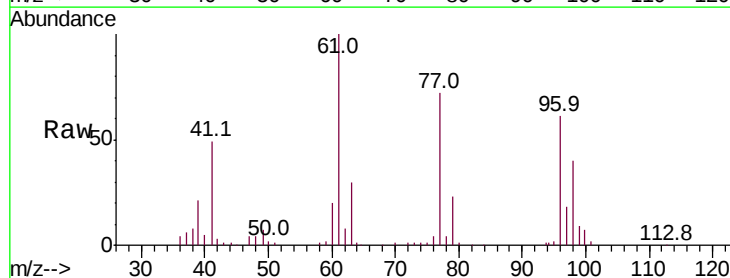
Acq: 11 May 2019 16:40

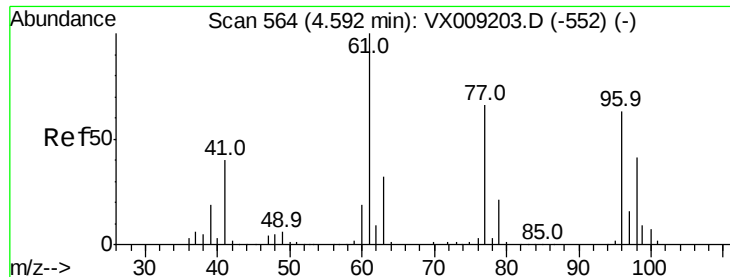
Tgt Ion: 77 Resp: 48293

Ion Ratio Lower Upper

77 100

97 23.4 11.5 34.4





#27

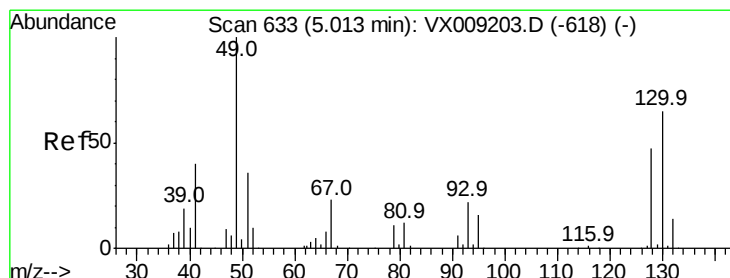
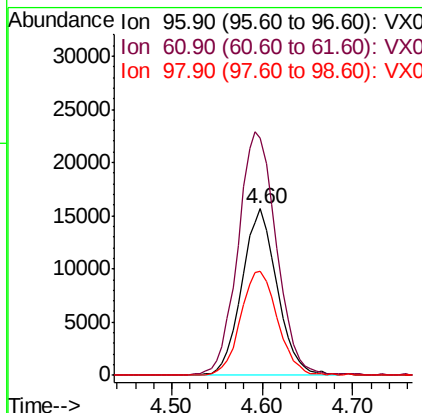
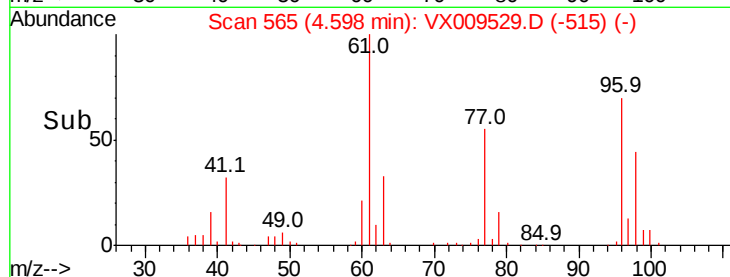
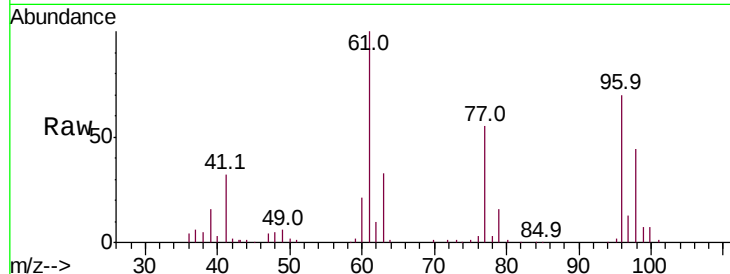
cis-1,2-Dichloroethene
Concen: 21.282 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009529.D
Acq: 11 May 2019 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0511MBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.8	0.0	324.0
98	65.6	0.0	130.4

Manual Integrations
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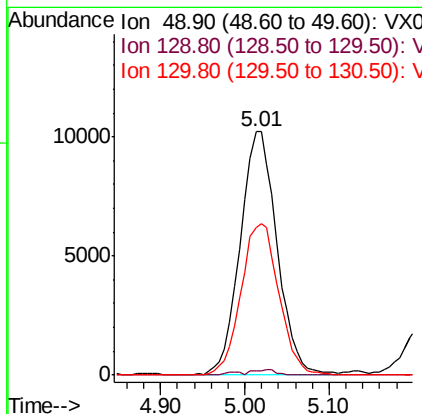
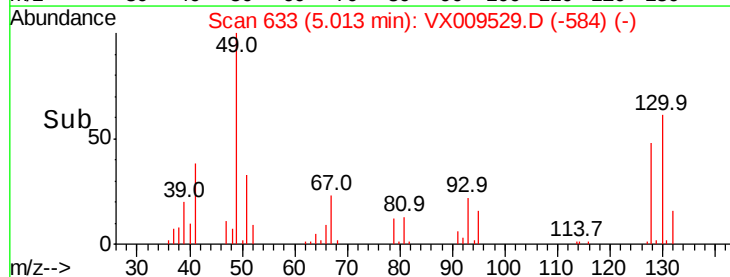
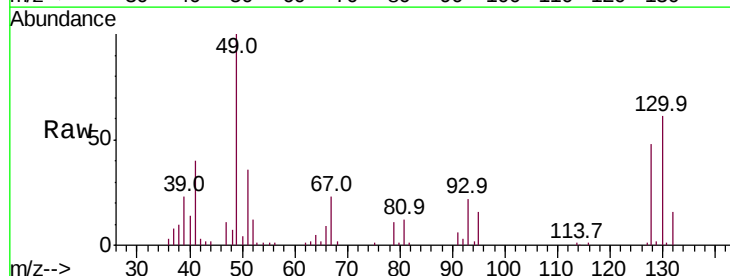
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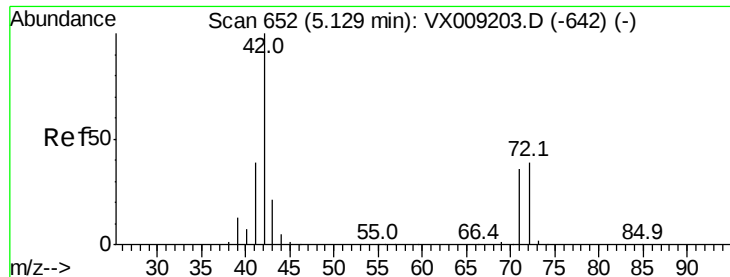


#28

Bromochloromethane
Concen: 19.665 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009529.D
Acq: 11 May 2019 16:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.8
130	63.8	51.2	76.8





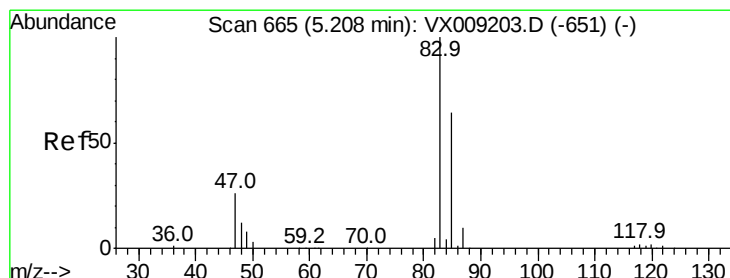
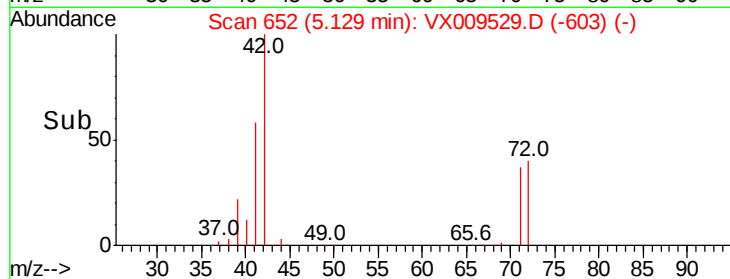
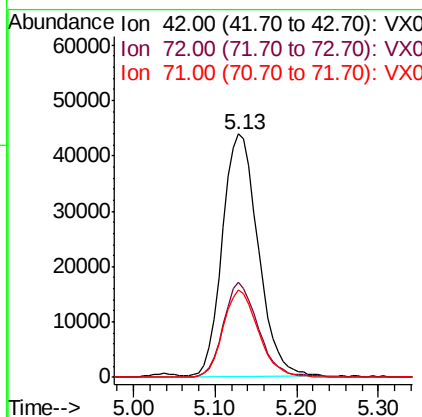
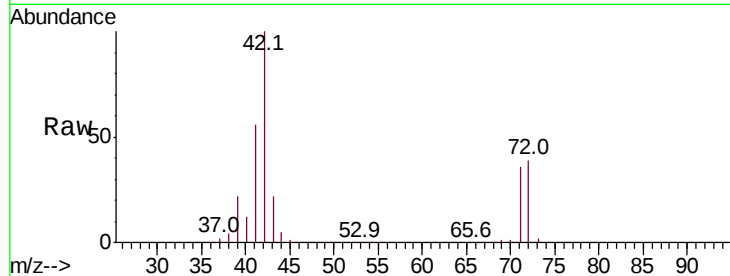
#29
Tetrahydrofuran
Concen: 111.829 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX009529.D
Acq: 11 May 2019 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0511MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.1	30.4	45.6
71	35.3	28.6	43.0

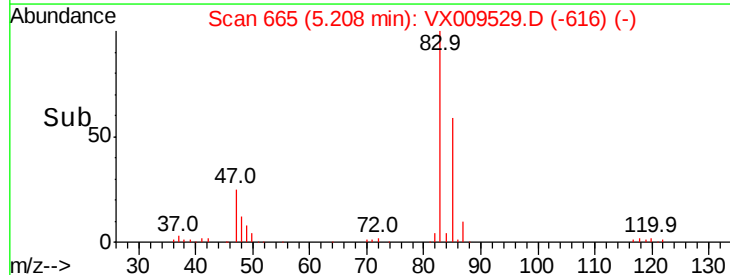
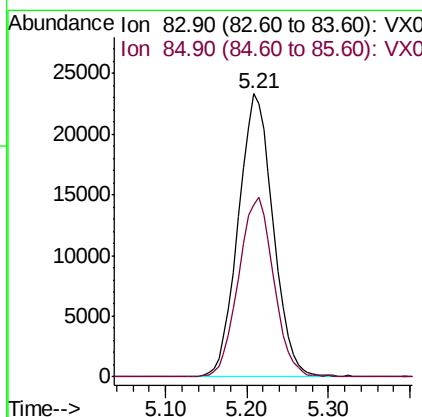
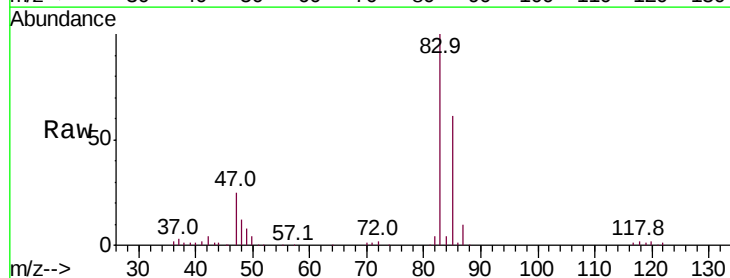
Manual Integrations
APPROVED

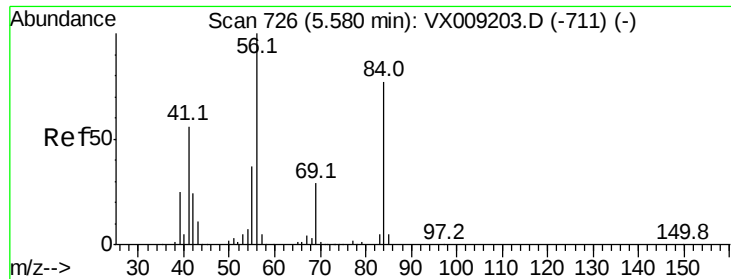
MMDadoda
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#30
Chloroform
Concen: 21.667 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.00 min
Lab File: VX009529.D
Acq: 11 May 2019 16:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.9	51.5	77.3





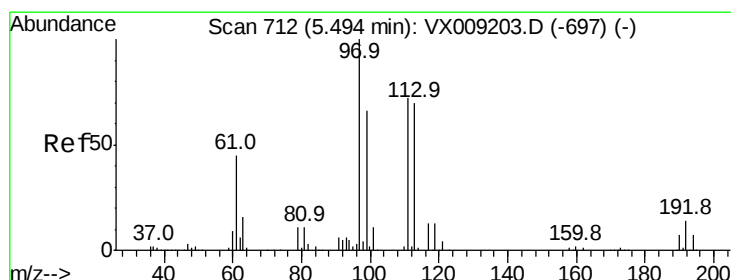
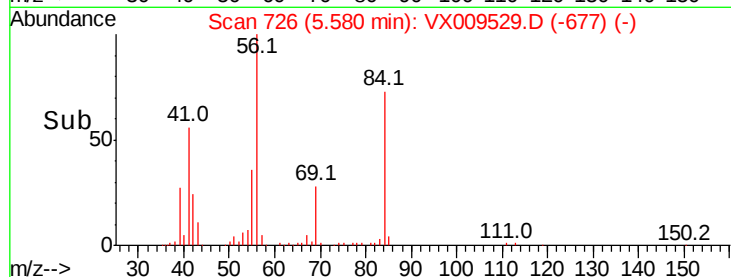
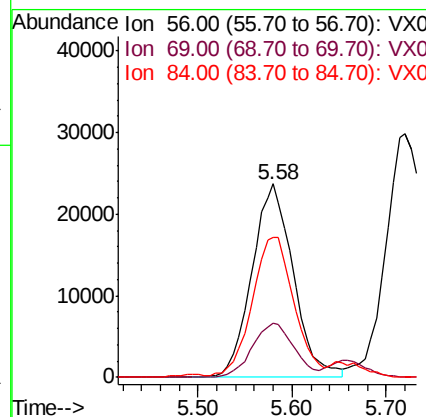
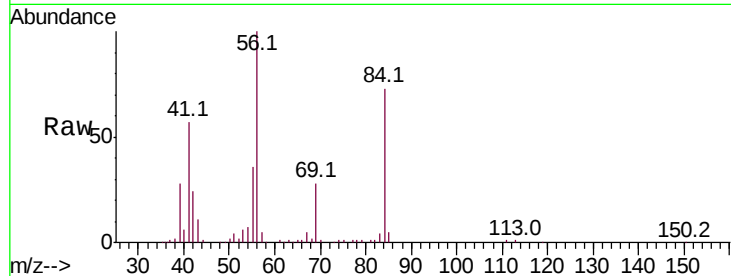
#31
Cyclohexane
Concen: 22.157 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX009529.D
Acq: 11 May 2019 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0511MBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.3	23.4	35.0
84	71.2	61.9	92.9

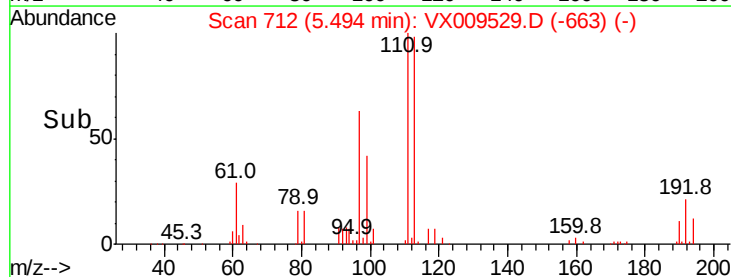
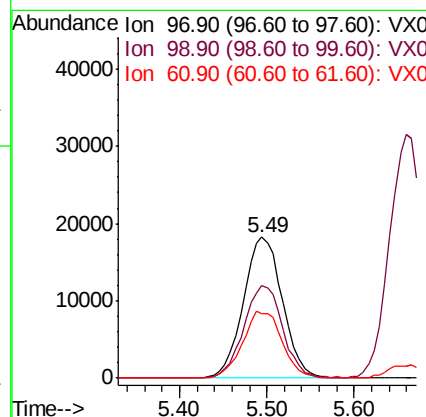
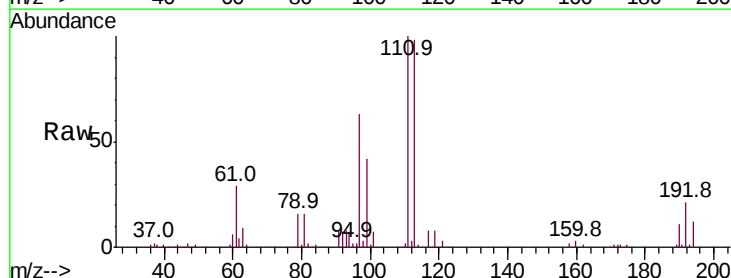
Manual Integrations
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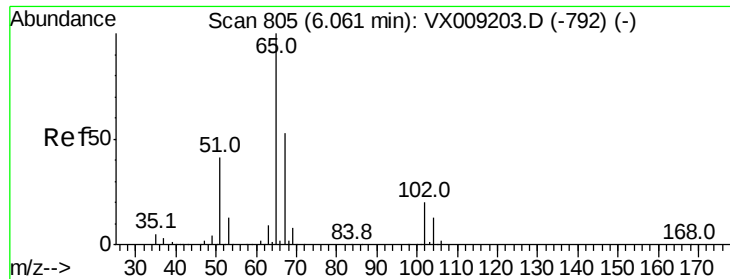
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 21.204 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX009529.D
Acq: 11 May 2019 16:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.7	51.8	77.8
61	48.2	37.8	56.8





#33

1,2-Dichloroethane-d4

Concen: 51.271 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009529.D

Acq: 11 May 2019 16:40

Instrument :

MSVOA_X

ClientSampleID :

VX0511MBSD01

Tot Ion: 65 Resp: 114094

Ion Ratio Lower Upper

65 100

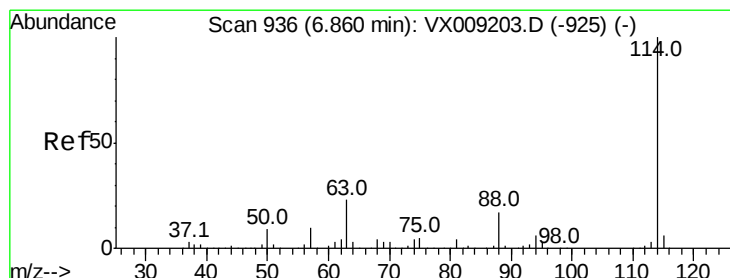
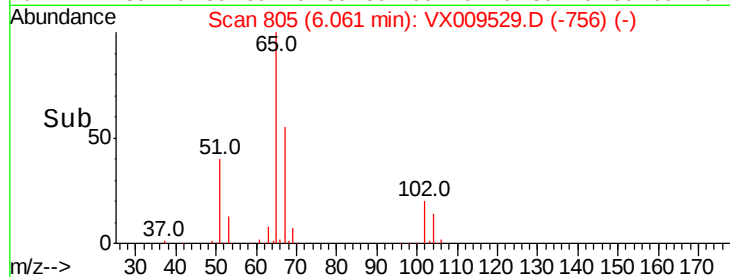
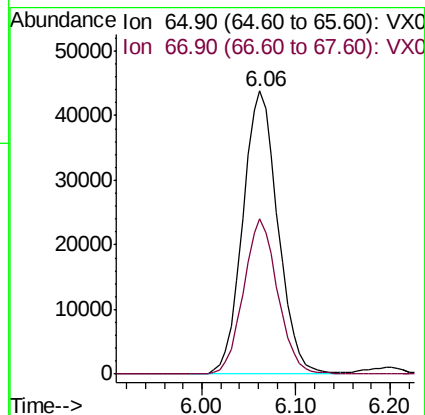
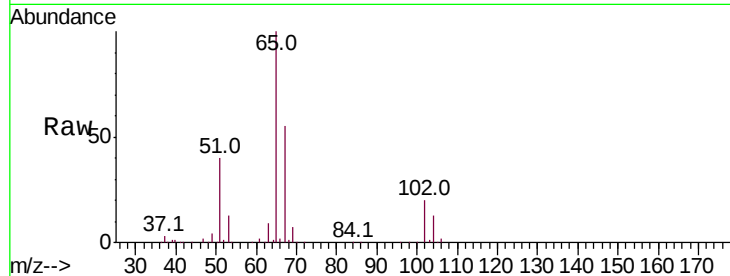
67 53.5 0.0 106.6

Manual Integrations

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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: VX009529.D

Acq: 11 May 2019 16:40

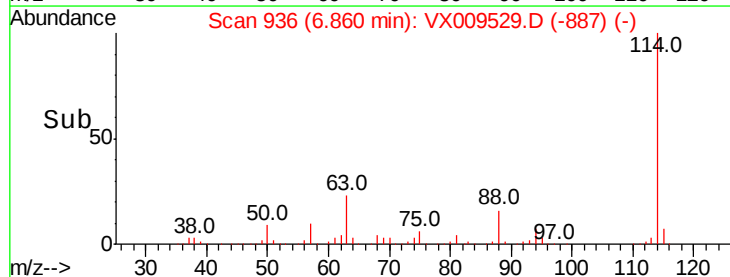
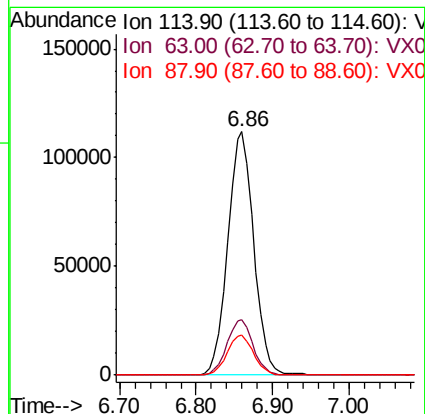
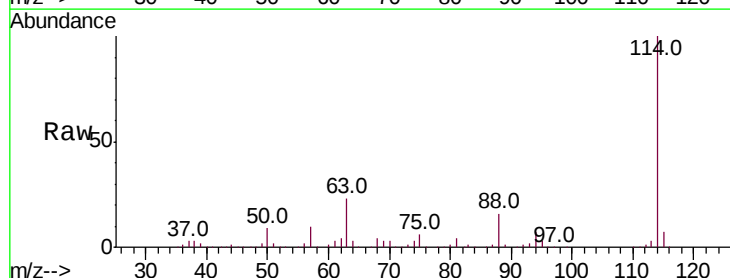
Tgt Ion: 114 Resp: 262323

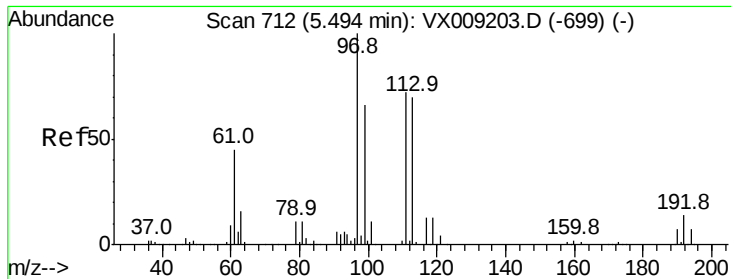
Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.6

88 16.3 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.282 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009529.D

Acq: 11 May 2019 16:40

Instrument :

MSVOA_X

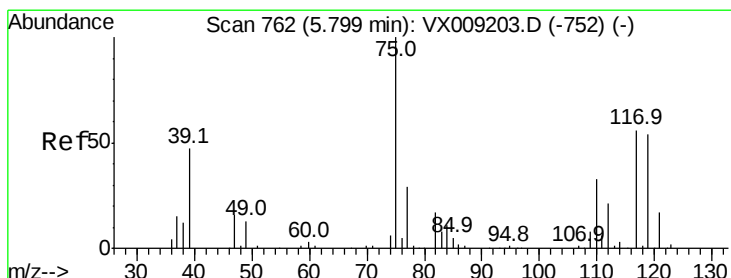
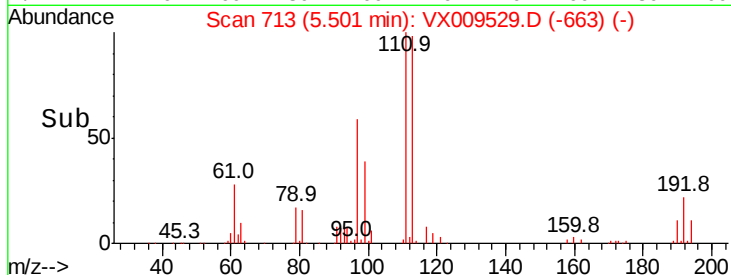
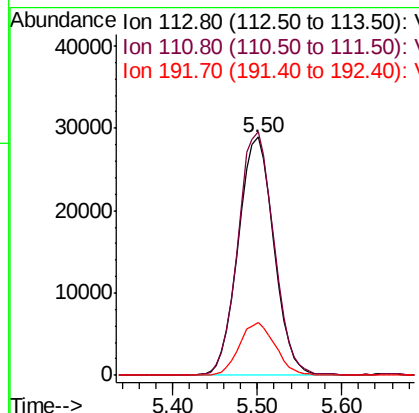
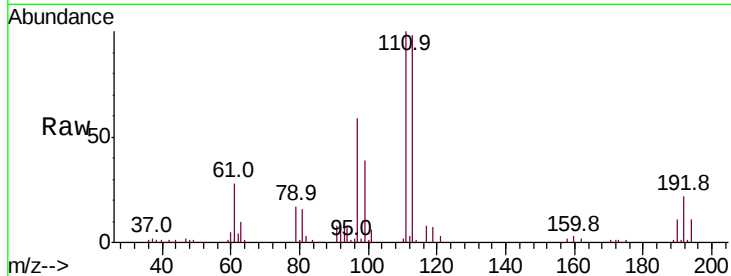
ClientSampleId :

VX0511MBSD01

Tot Ion:	113	Resp:	82918
Ion Ratio	Lower	Upper	
113	100		
111	103.1	82.8	124.2
192	22.2	17.0	25.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 21.308 ug/l

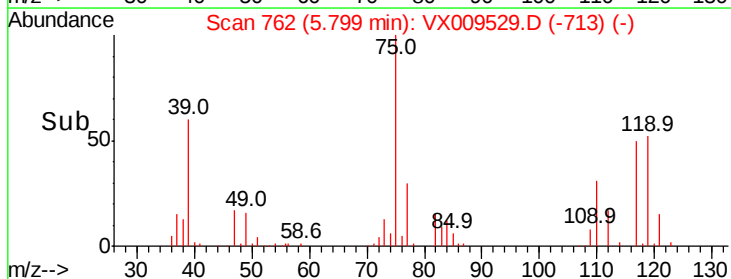
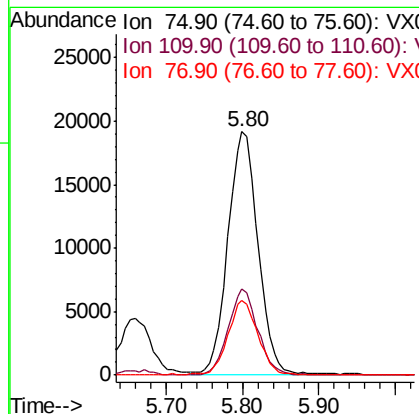
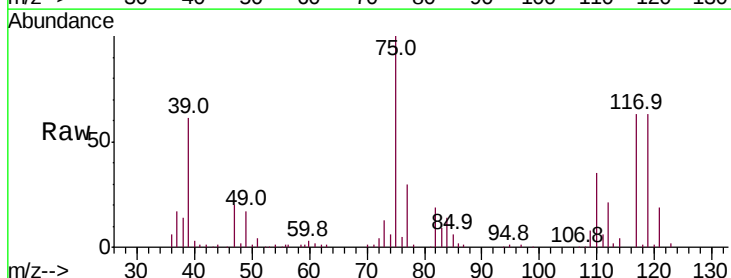
RT: 5.80 min Scan# 762

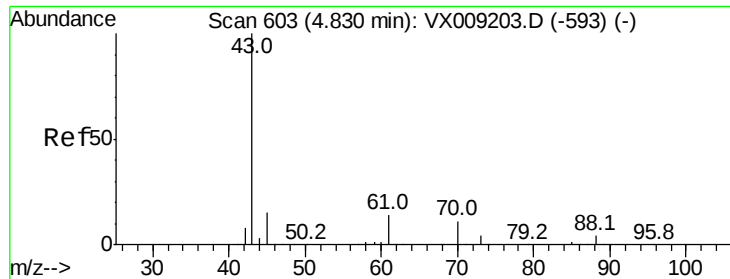
Delta R.T. -0.00 min

Lab File: VX009529.D

Acq: 11 May 2019 16:40

Tgt Ion:	75	Resp:	51944
Ion Ratio	Lower	Upper	
75	100		
110	34.6	16.9	50.6
77	30.5	24.8	37.2





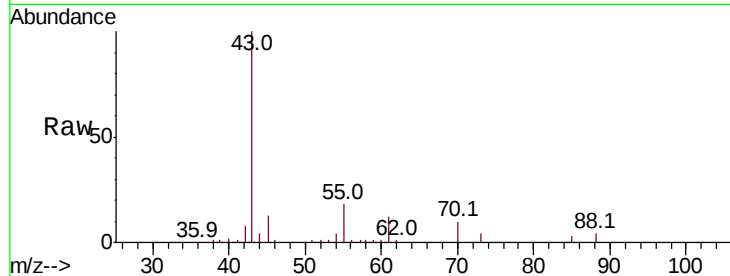
#37
Ethyl Acetate
Concen: 22.079 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009529.D
Acq: 11 May 2019 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0511MBSD01

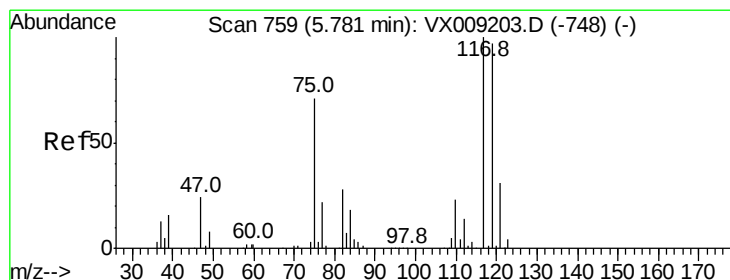
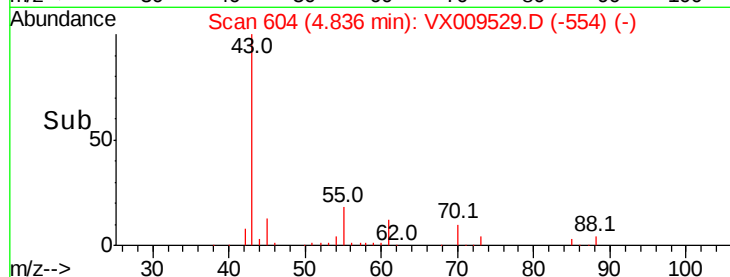
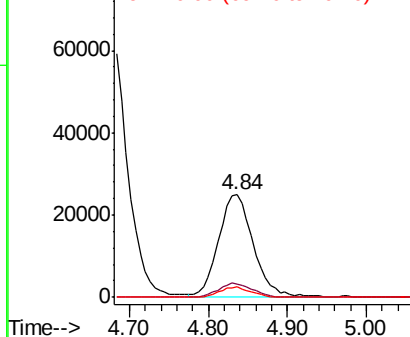
Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.5	15.7
70	9.4	7.9	11.9

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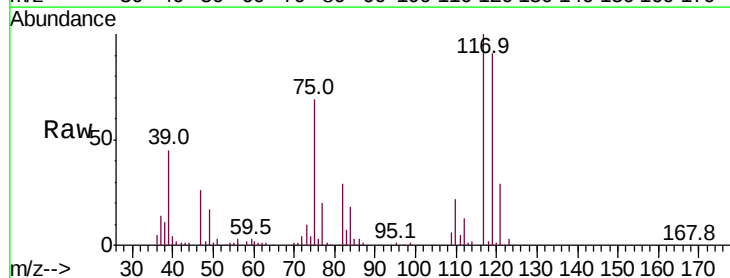


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

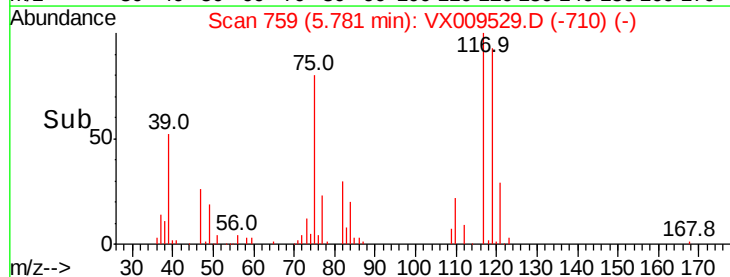
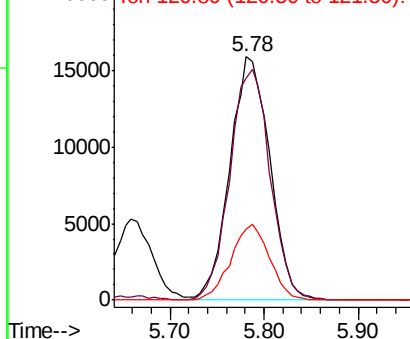


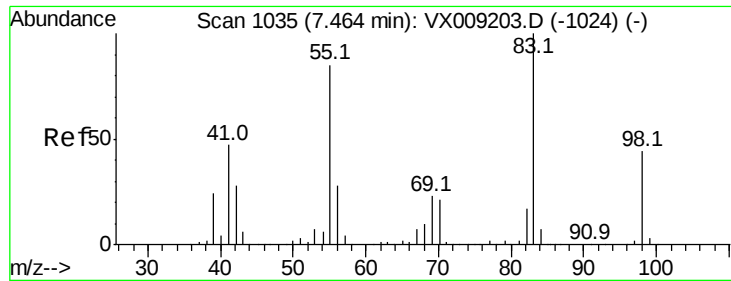
#38
Carbon Tetrachloride
Concen: 21.228 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX009529.D
Acq: 11 May 2019 16:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.9	77.5	116.3
121	28.9	24.7	37.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





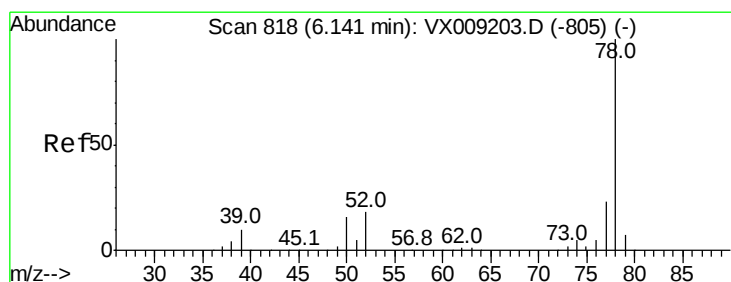
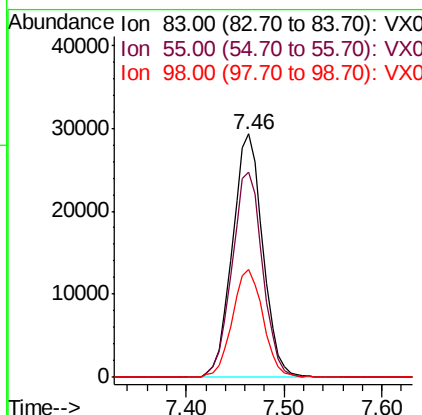
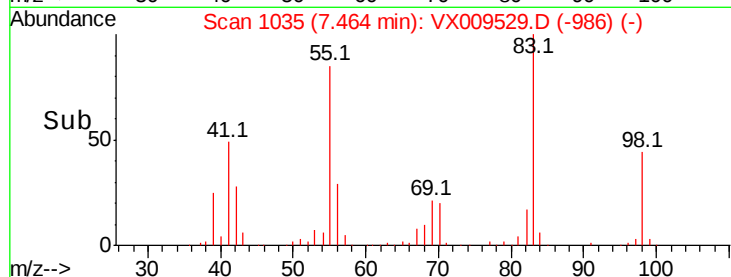
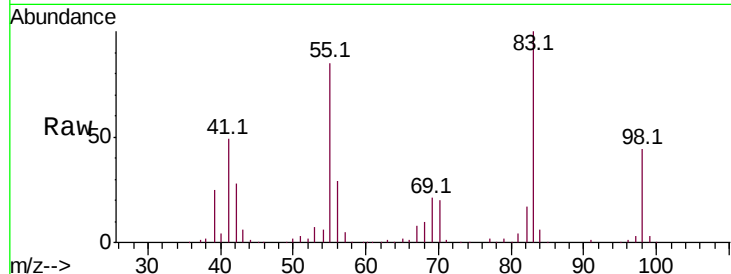
#39
Methvlcvclohexane
Concen: 21.080 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009529.D
Acq: 11 May 2019 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0511MBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.5	67.7	101.5
98	44.2	35.5	53.3

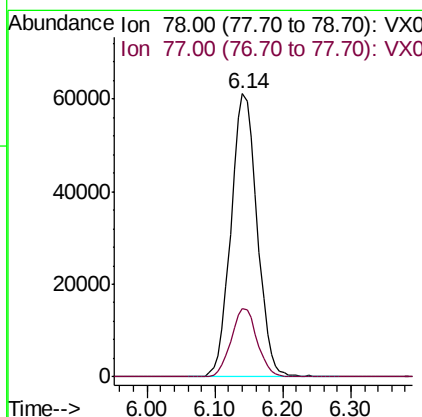
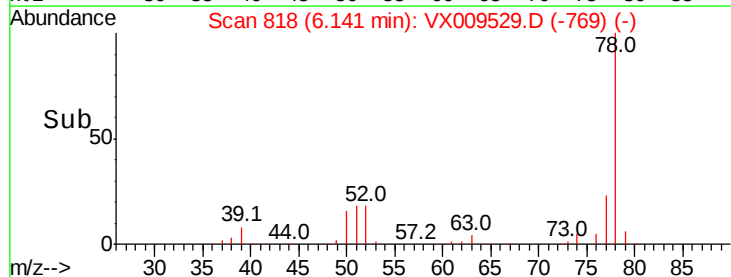
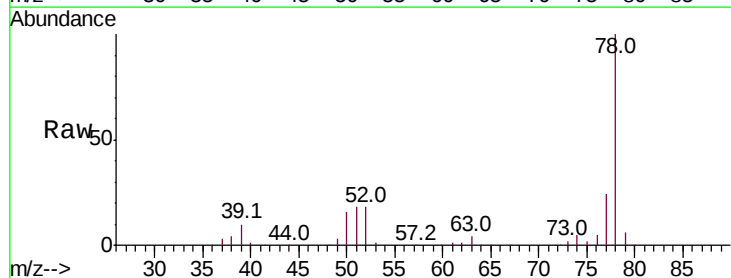
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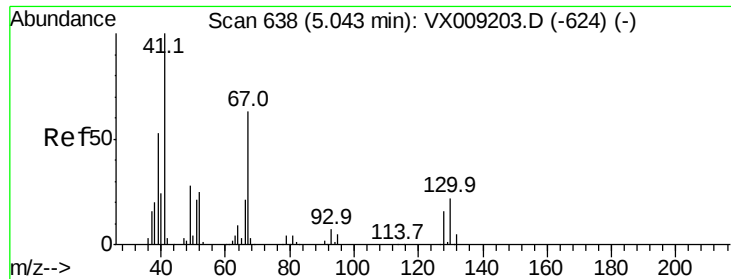
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#40
Benzene
Concen: 21.615 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009529.D
Acq: 11 May 2019 16:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.8	28.2





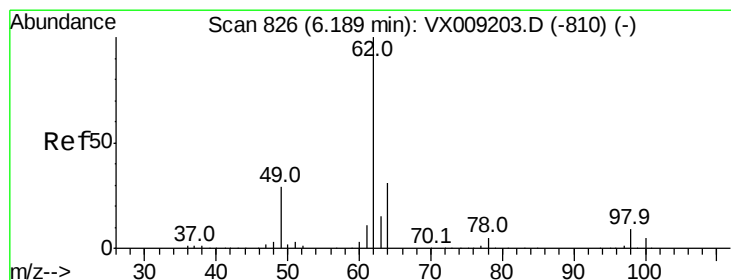
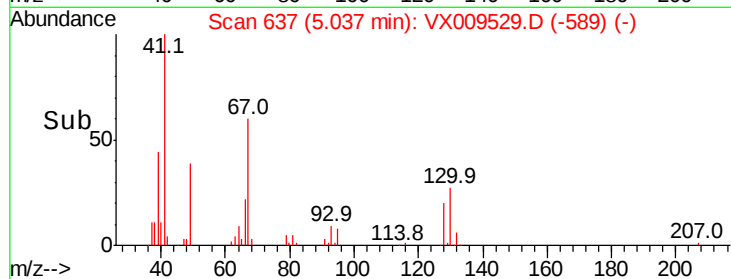
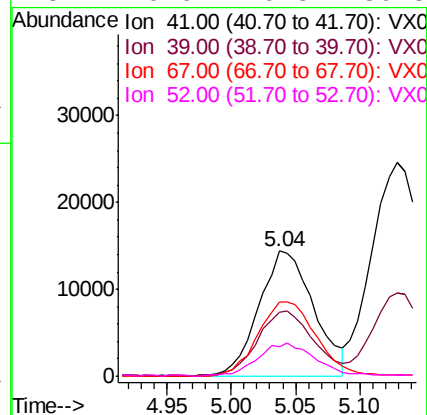
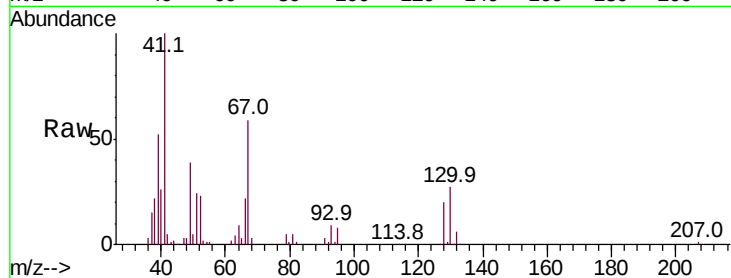
#41
Methacrylonitrile
Concen: 21.187 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX009529.D
Acq: 11 May 2019 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0511MBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.4	42.0	63.0	
67	63.0	49.8	74.8	
52	26.6	20.3	30.5	

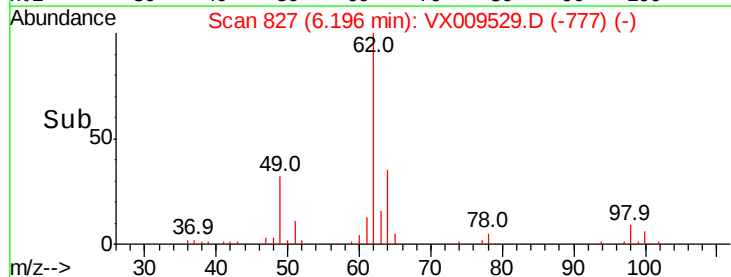
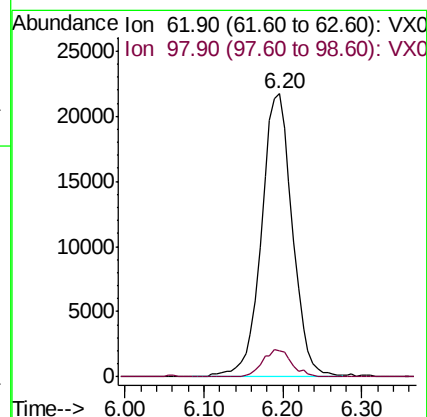
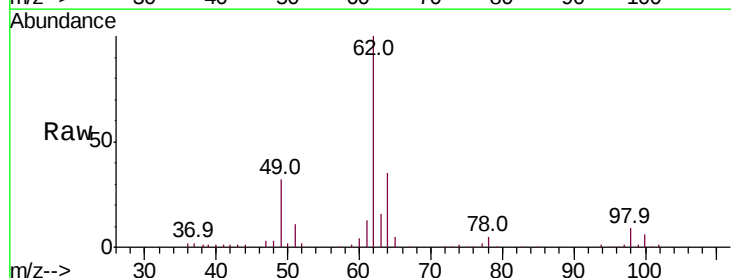
Manual Integrations
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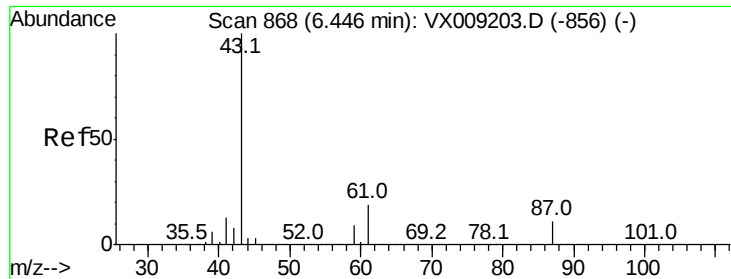
MMDadoda
5/13/2019 4:27:28 PM



#42
1,2-Dichloroethane
Concen: 21.912 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX009529.D
Acq: 11 May 2019 16:40

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.2	0.0	18.2	





#43

Isopropyl Acetate

Concen: 21.840 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX009529.D

Acq: 11 May 2019 16:40

Instrument :

MSVOA_X

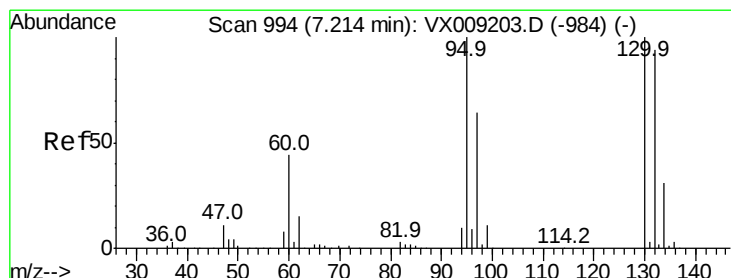
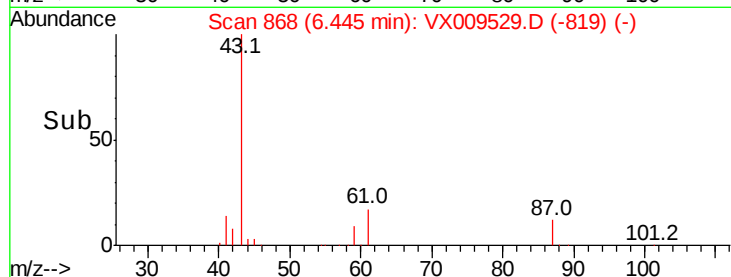
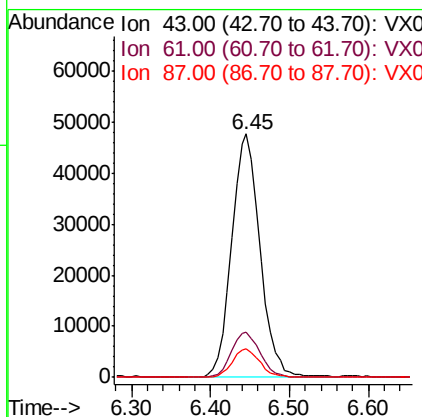
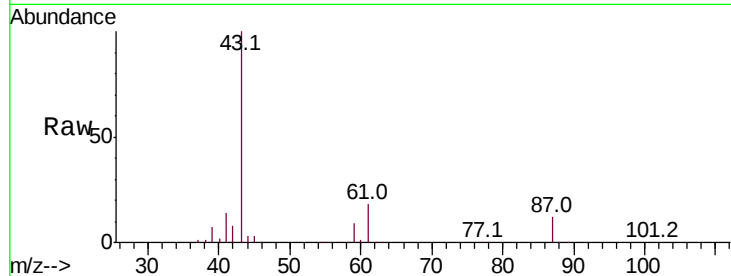
ClientSampleId :

VX0511MBSD01

Tot Ion:	43	Resp:	118656
Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.1	22.7
87	11.6	9.0	13.6

Manual Integrations
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#44

Trichloroethene

Concen: 21.070 ug/l

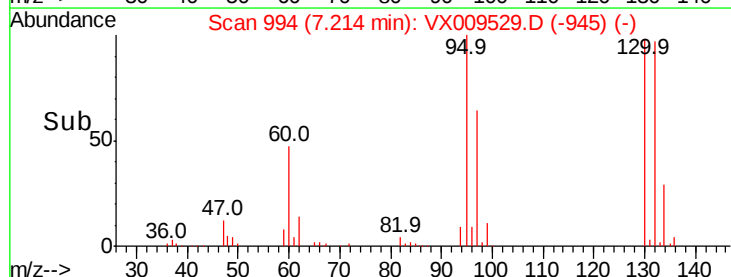
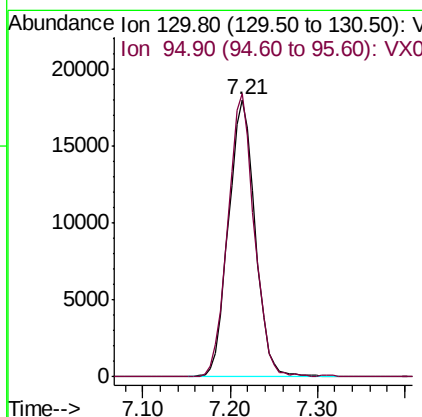
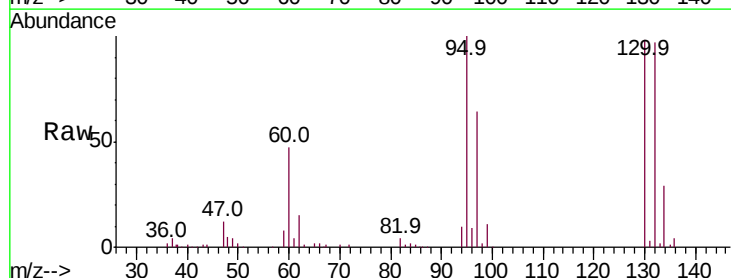
RT: 7.21 min Scan# 994

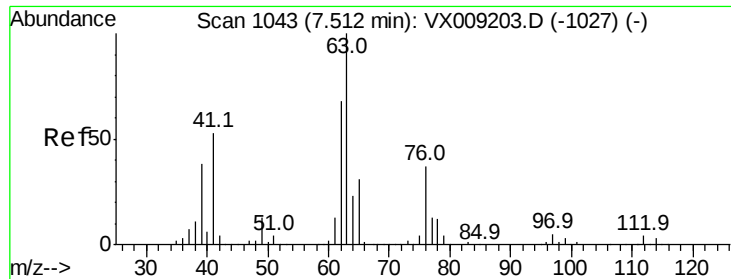
Delta R.T. -0.00 min

Lab File: VX009529.D

Acq: 11 May 2019 16:40

Tgt Ion:	130	Resp:	38429
Ion	Ratio	Lower	Upper
130	100		
95	102.2	0.0	199.2





#45

1,2-Dichloropropane

Concen: 21.460 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009529.D

Acq: 11 May 2019 16:40

Instrument :

MSVOA_X

ClientSampleId :

VX0511MBSD01

Tot Ion: 63 Resp: 45846

Ion Ratio Lower Upper

63 100

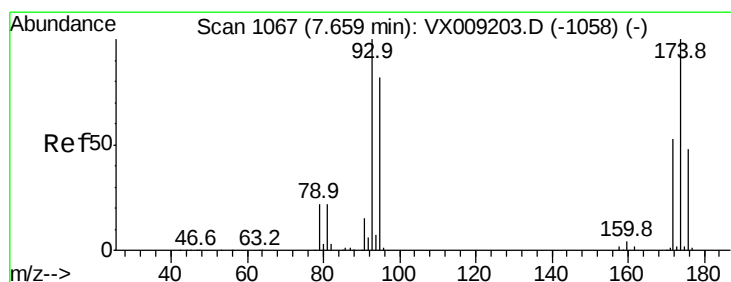
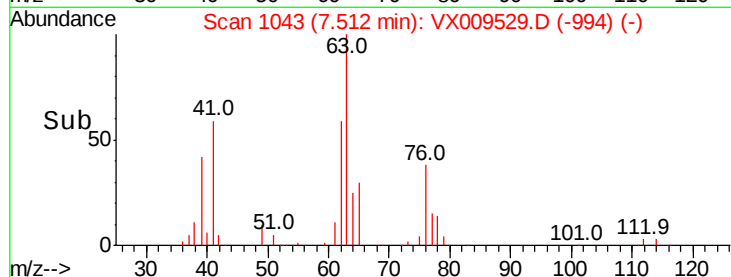
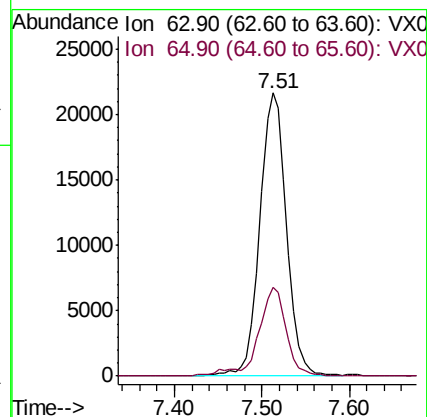
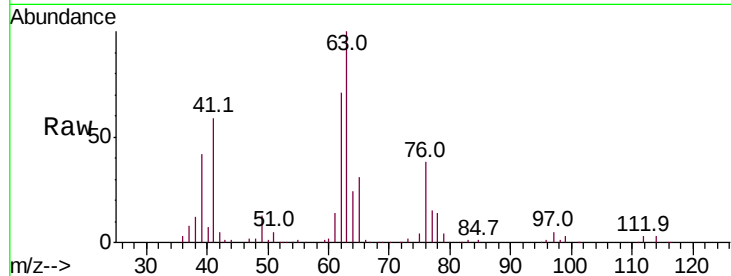
65 31.0 25.0 37.6

Manual Integrations

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#46

Dibromomethane

Concen: 21.280 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009529.D

Acq: 11 May 2019 16:40

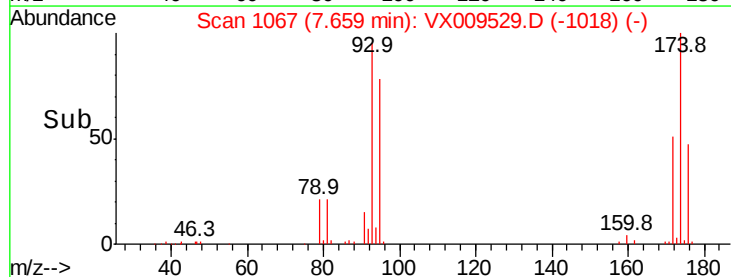
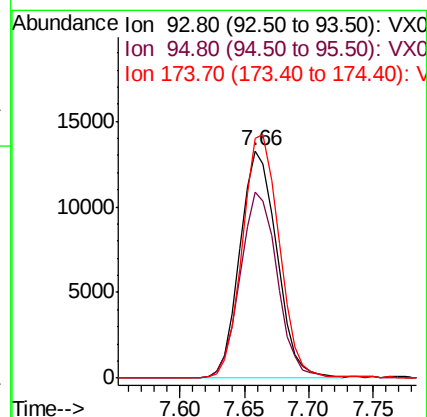
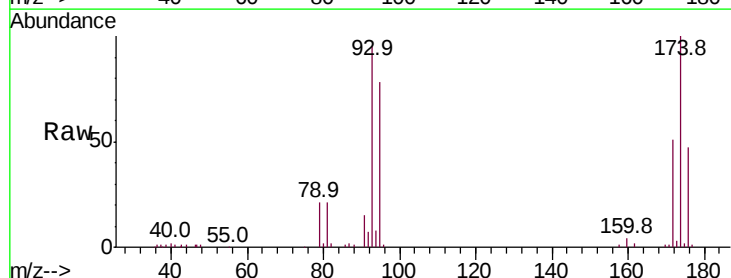
Tgt Ion: 93 Resp: 26400

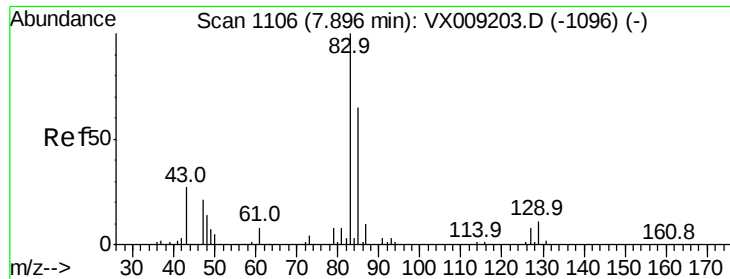
Ion Ratio Lower Upper

93 100

95 82.3 66.5 99.7

174 107.3 82.1 123.1





#47

Bromodichloromethane

Concen: 21.067 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009529.D

Acq: 11 May 2019 16:40

Instrument :

MSVOA_X

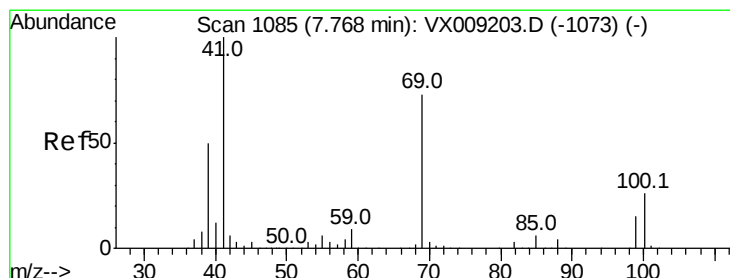
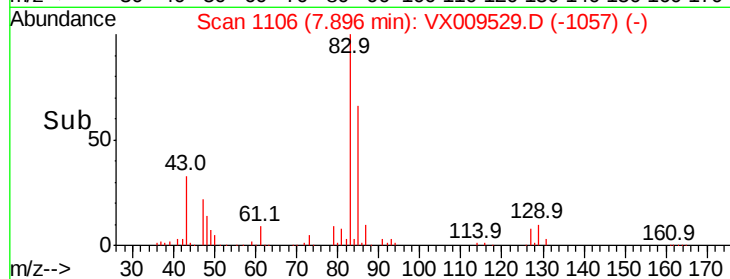
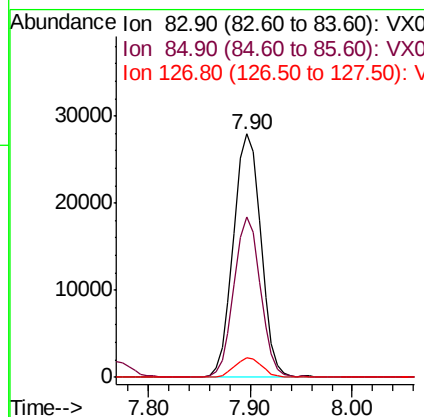
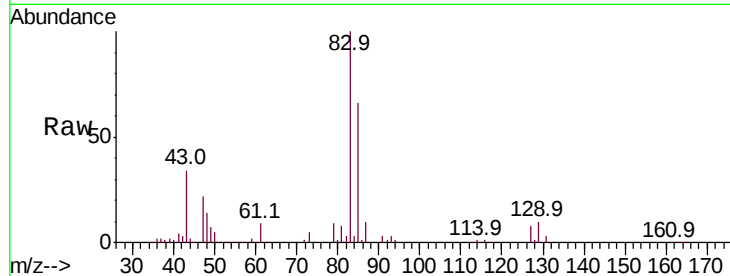
ClientSampleId :

VX0511MBSD01

Tot Ion:	83	Resp:	52133
Ion Ratio	Lower	Upper	
83	100		
85	66.1	52.4	78.6
127	8.2	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.710 ug/l

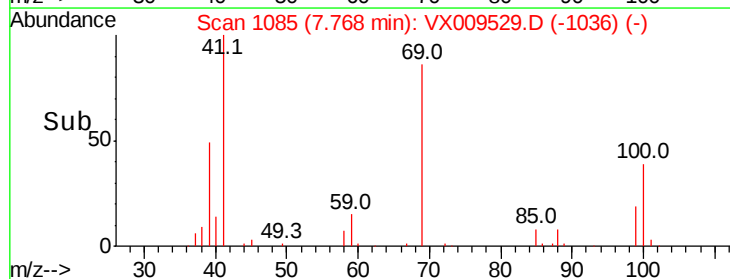
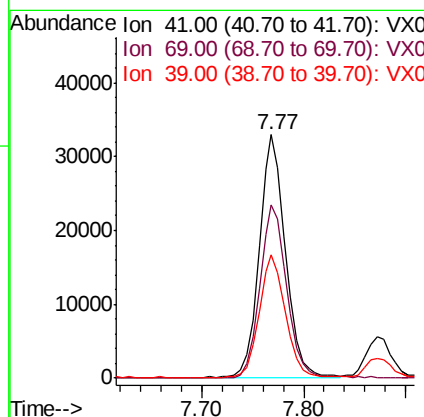
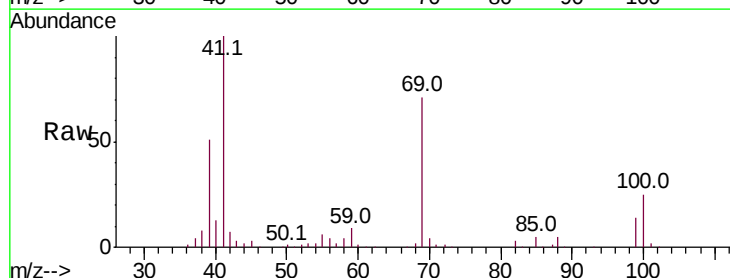
RT: 7.77 min Scan# 1085

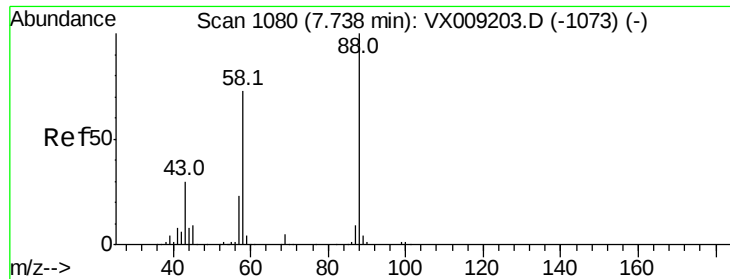
Delta R.T. -0.00 min

Lab File: VX009529.D

Acq: 11 May 2019 16:40

Tgt Ion:	41	Resp:	58519
Ion Ratio	Lower	Upper	
41	100		
69	73.3	59.1	88.7
39	50.9	40.4	60.6





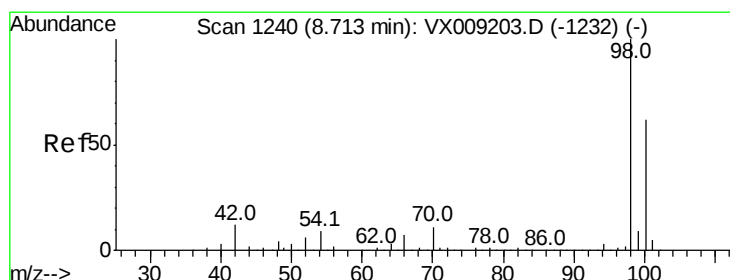
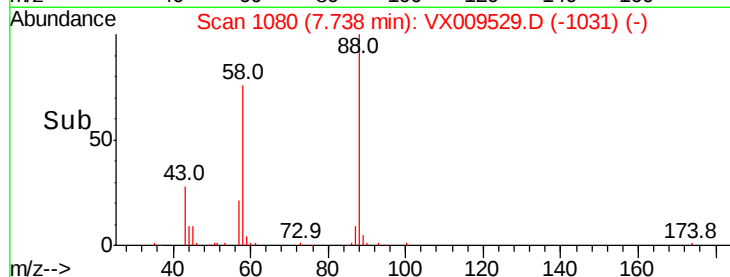
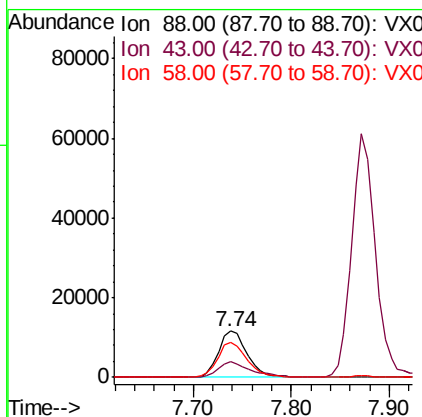
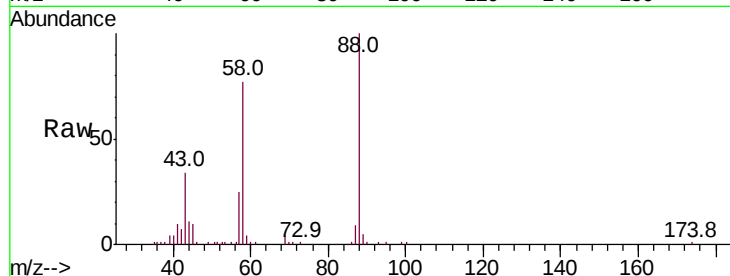
#49
1,4-Dioxane
Concen: 438.301 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009529.D
Acq: 11 May 2019 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0511MBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.5	28.6	42.8
58	78.1	61.7	92.5

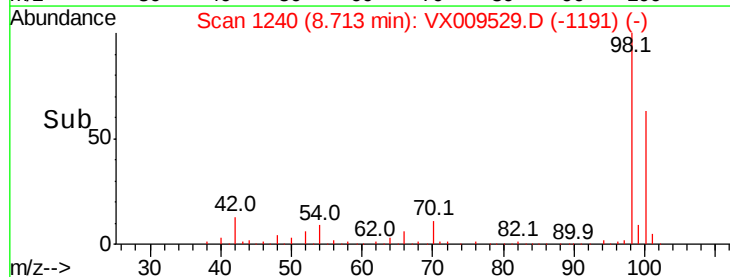
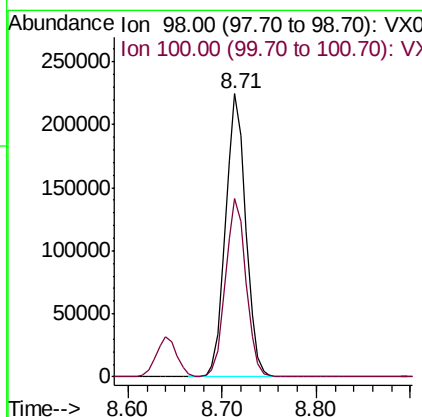
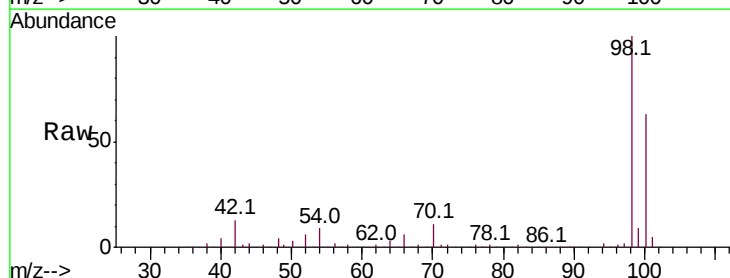
Manual Integrations
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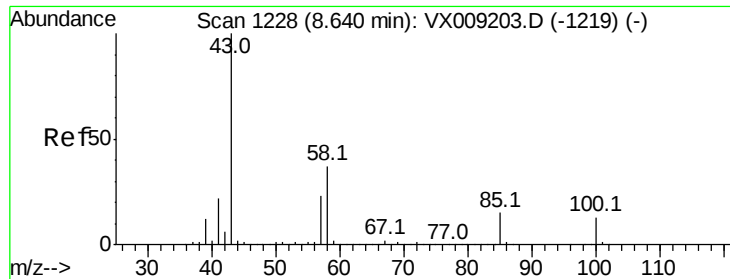
MMDadoda
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#50
Toluene-d8
Concen: 50.176 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009529.D
Acq: 11 May 2019 16:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.2	76.8





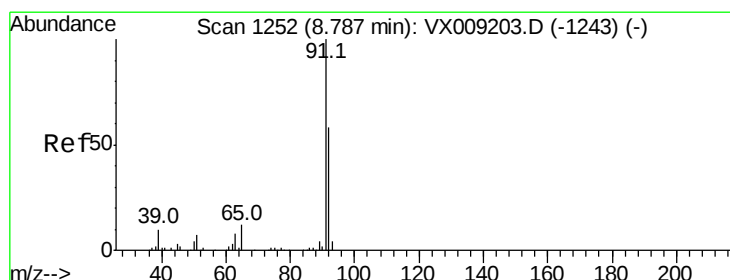
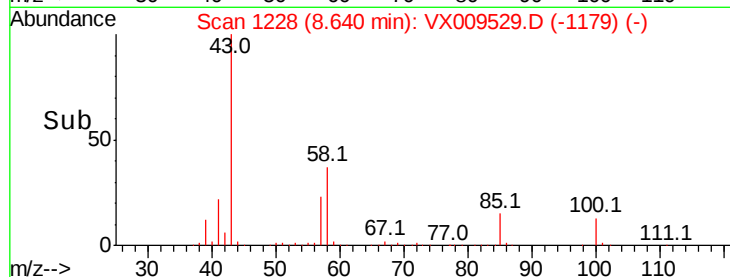
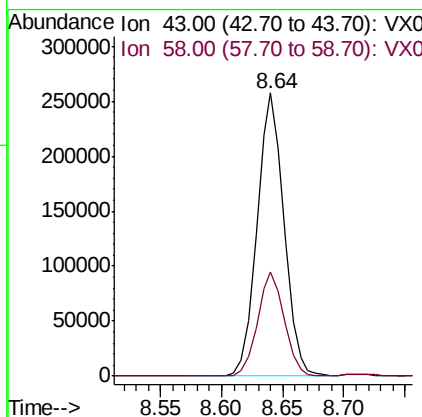
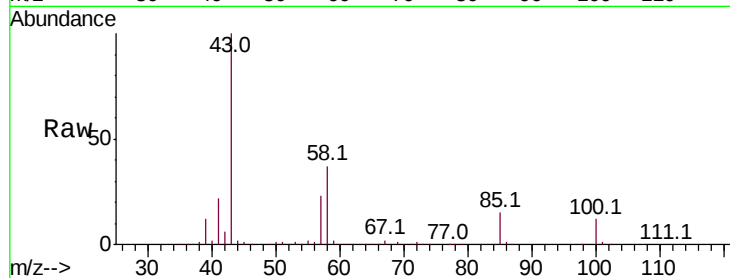
#51
 4-Methyl-2-Pentanone
 Concen: 110.893 ug/l
 RT: 8.64 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VX009529.D
 Acq: 11 May 2019 16:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.5	29.5	44.3

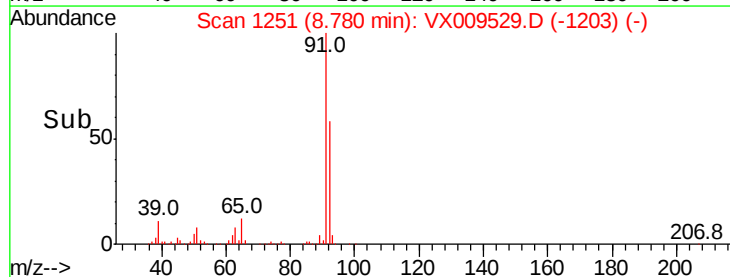
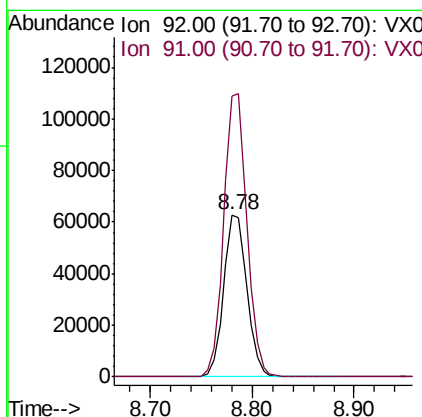
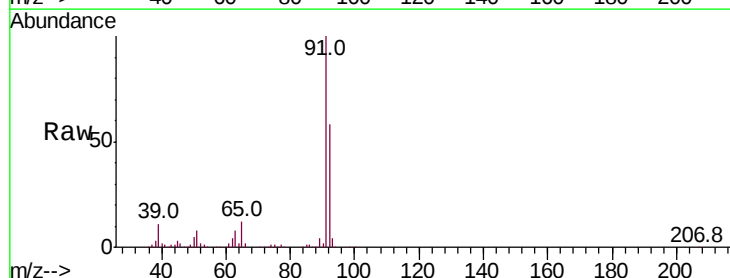
Manual Integrations
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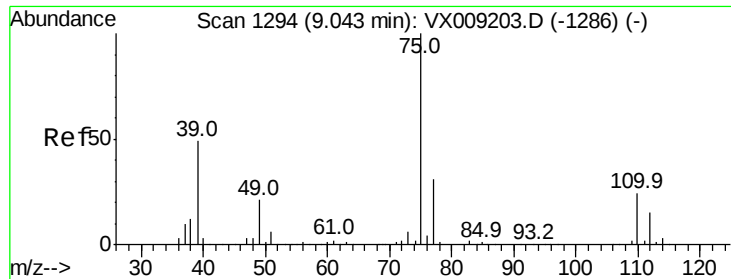
MMDadoda
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#52
 Toluene
 Concen: 21.637 ug/l
 RT: 8.78 min Scan# 1251
 Delta R.T. -0.01 min
 Lab File: VX009529.D
 Acq: 11 May 2019 16:40

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.0	138.8	208.2





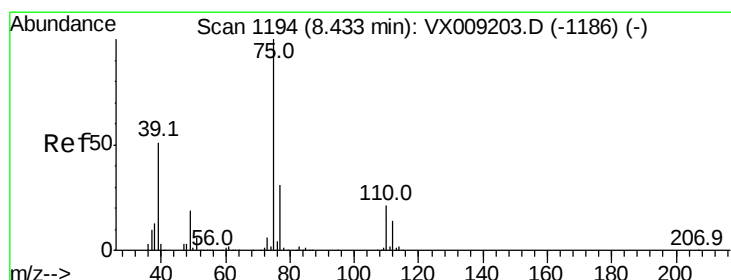
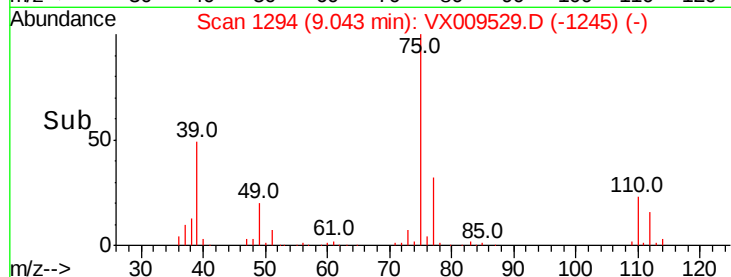
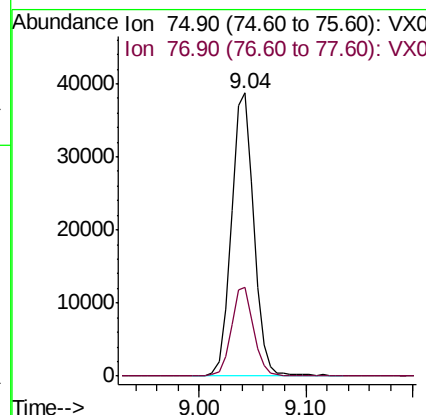
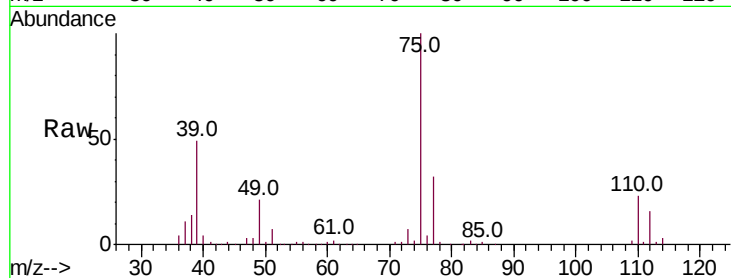
#53
 t-1,3-Dichloropropene
 Concen: 20.538 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX009529.D
 Acq: 11 May 2019 16:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511MBSD01

Tot Ion: 75 Resp: 57380
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.0 37.6

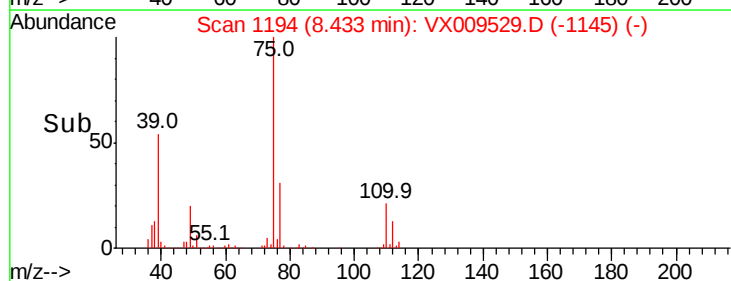
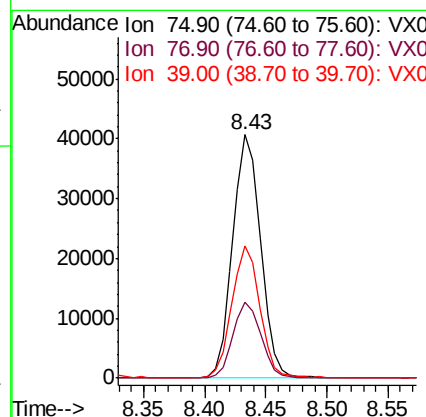
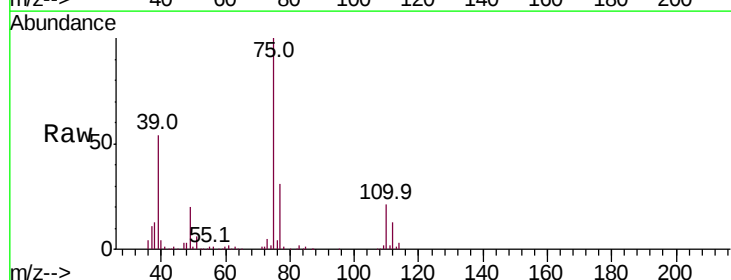
Manual Integrations
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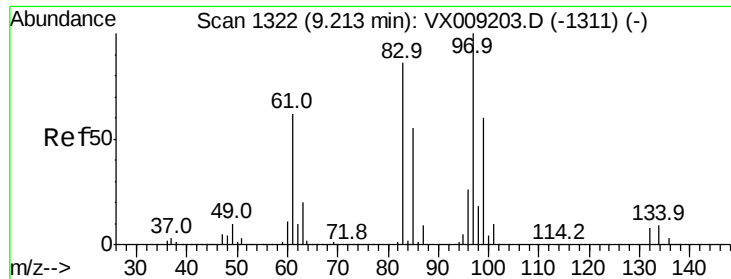
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#54
 cis-1,3-Dichloropropene
 Concen: 20.828 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX009529.D
 Acq: 11 May 2019 16:40

Tgt Ion: 75 Resp: 64408
 Ion Ratio Lower Upper
 75 100
 77 31.4 24.6 36.8
 39 54.1 40.6 60.8





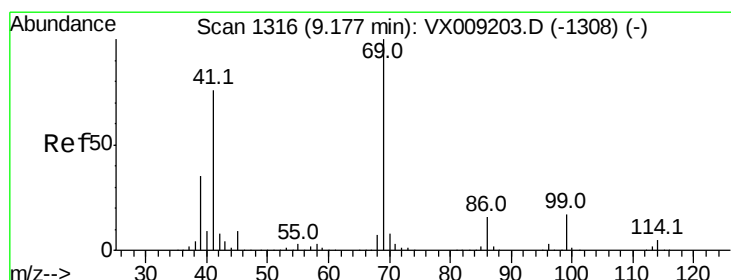
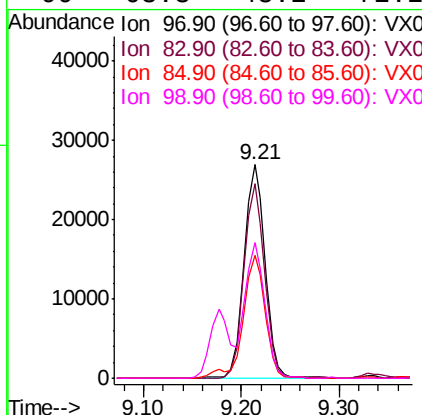
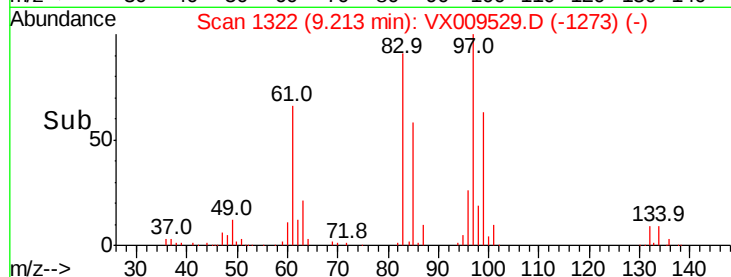
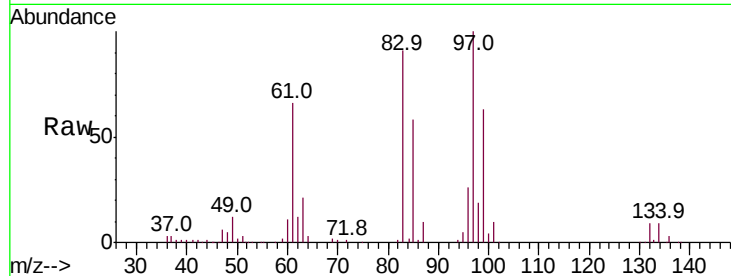
#55
1,1,2-Trichloroethane
Concen: 21.414 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VX009529.D
Acq: 11 May 2019 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0511MBSD01

Tot Ion	97	Resp	40066
Ion	Ratio	Lower	Upper
97	100		
83	91.1	68.9	103.3
85	57.7	43.8	65.6
99	63.3	48.2	72.2

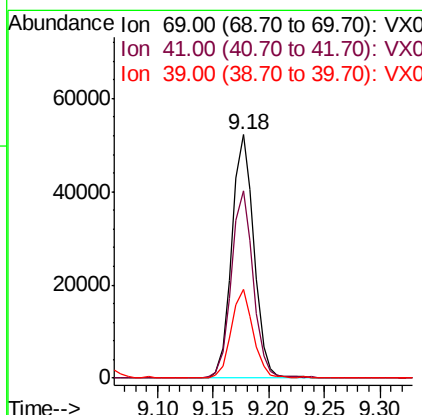
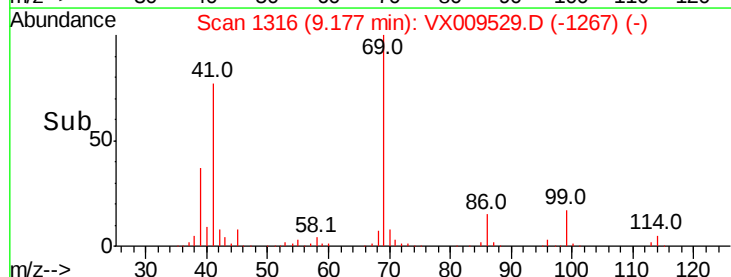
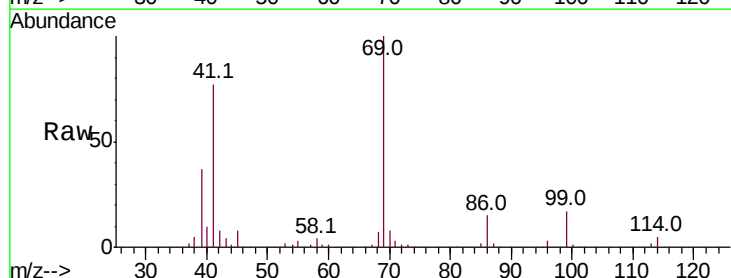
Manual Integrations
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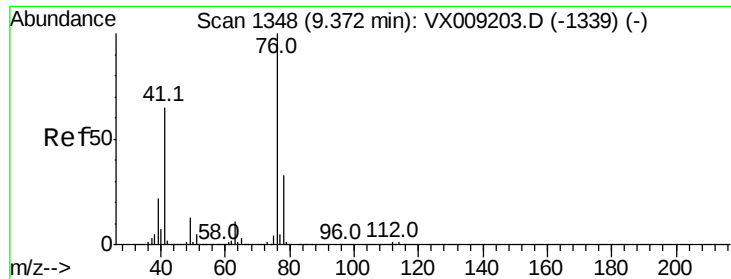
MMDadoda
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#56
Ethyl methacrylate
Concen: 21.535 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VX009529.D
Acq: 11 May 2019 16:40

Tgt Ion	69	Resp	71925
Ion	Ratio	Lower	Upper
69	100		
41	76.0	60.6	90.8
39	35.6	28.2	42.4





#57

1,3-Dichloropropane

Concen: 21.429 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX009529.D

Acq: 11 May 2019 16:40

Instrument :

MSVOA_X

ClientSampleId :

VX0511MBSD01

Tot Ion: 76 Resp: 70557

Ion Ratio Lower Upper

76 100

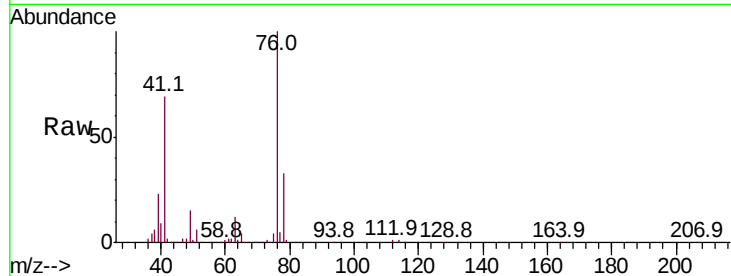
78 32.3 25.5 38.3

Manual Integrations

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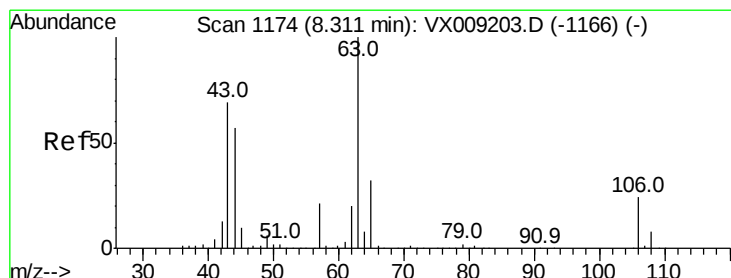
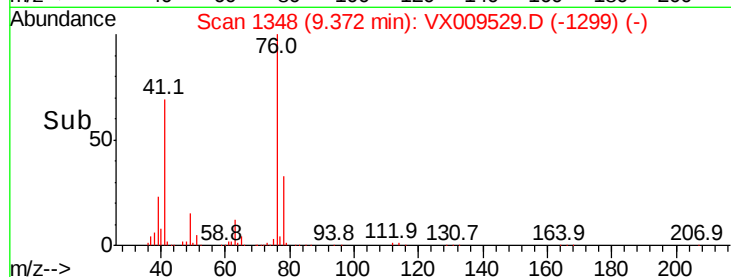
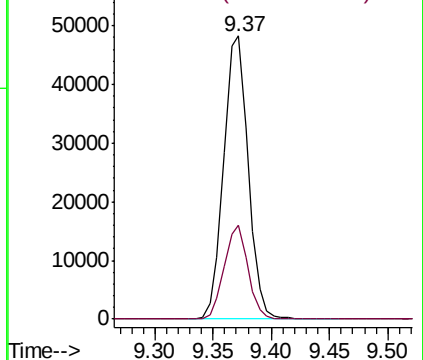
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 97.070 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX009529.D

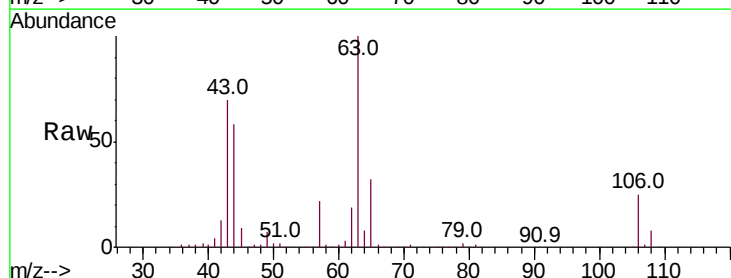
Acq: 11 May 2019 16:40

Tgt Ion: 63 Resp: 171988

Ion Ratio Lower Upper

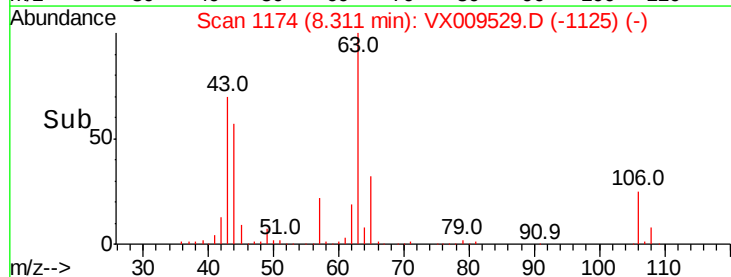
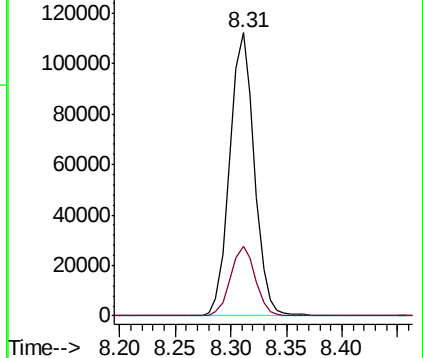
63 100

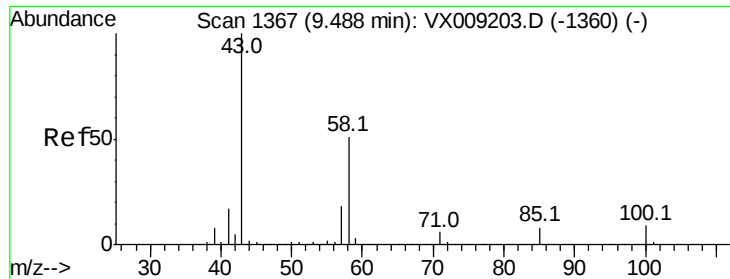
106 24.8 19.7 29.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





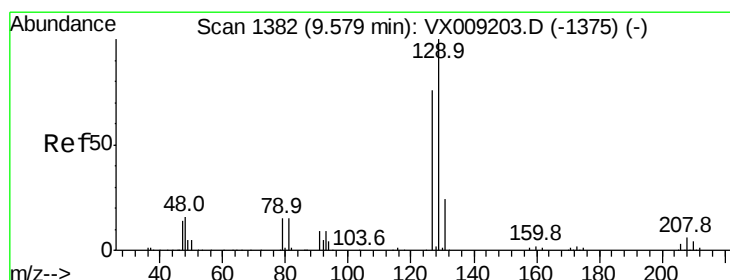
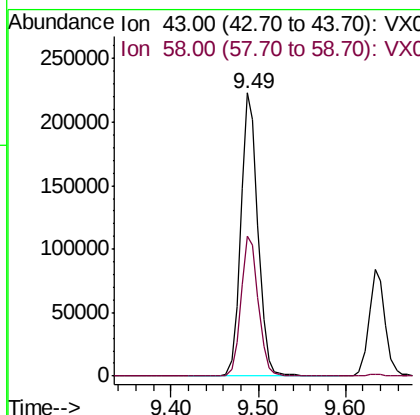
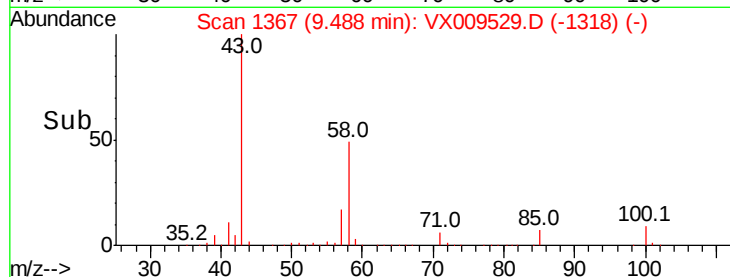
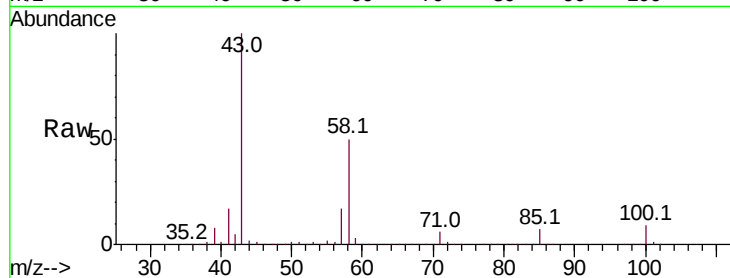
#59
2-Hexanone
Concen: 108.747 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009529.D
Acq: 11 May 2019 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0511MBSD01

Tot Ion: 43 Resp: 303296
Ion Ratio Lower Upper
43 100
58 50.3 25.9 77.7

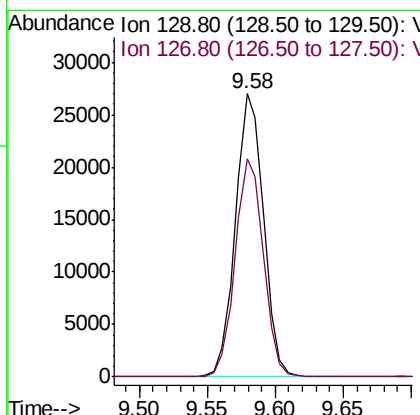
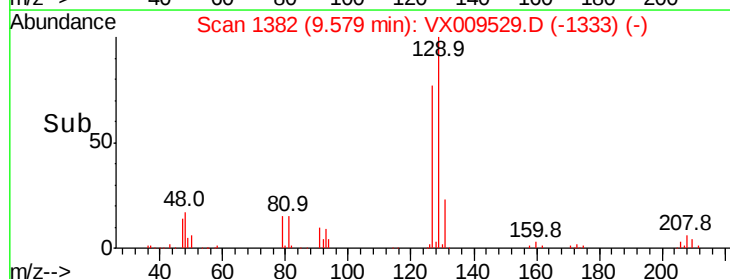
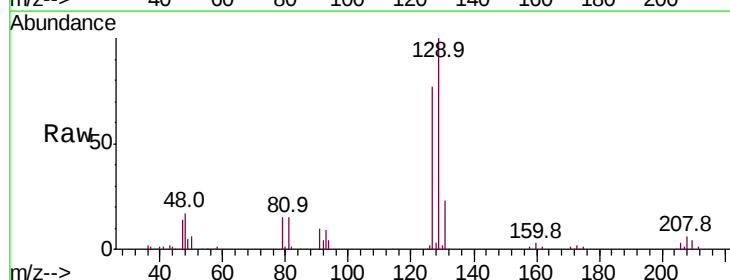
Manual Integrations
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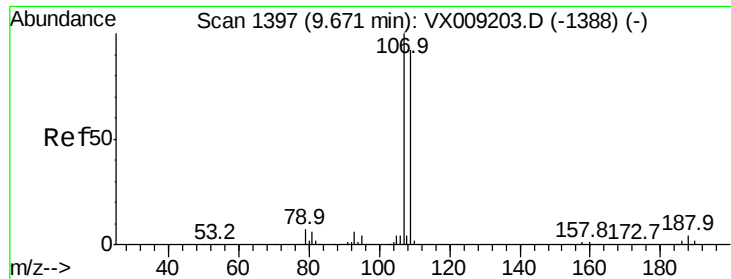
MMDadoda
5/13/2019 4:27:28 PM



#60
Dibromochloromethane
Concen: 21.250 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009529.D
Acq: 11 May 2019 16:40

Tgt Ion:129 Resp: 38832
Ion Ratio Lower Upper
129 100
127 77.4 38.4 115.1





#61

1,2-Dibromoethane

Concen: 21.654 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009529.D

Acq: 11 May 2019 16:40

Instrument :

MSVOA_X

ClientSampleId :

VX0511MBSD01

Tot Ion:107 Resp: 40897

Ion Ratio Lower Upper

107 100

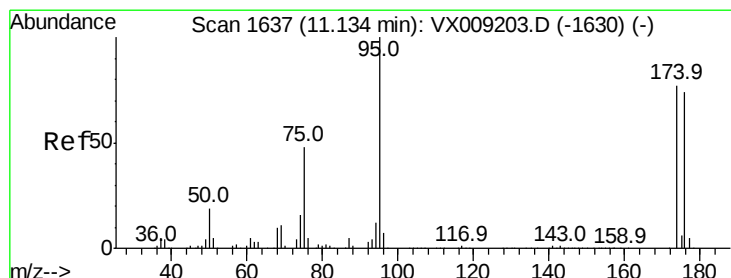
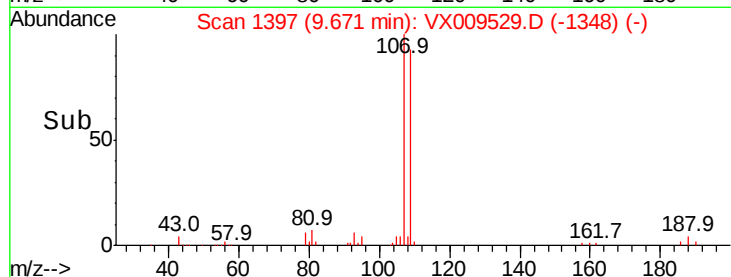
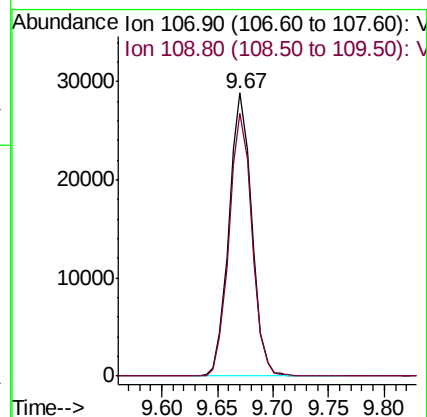
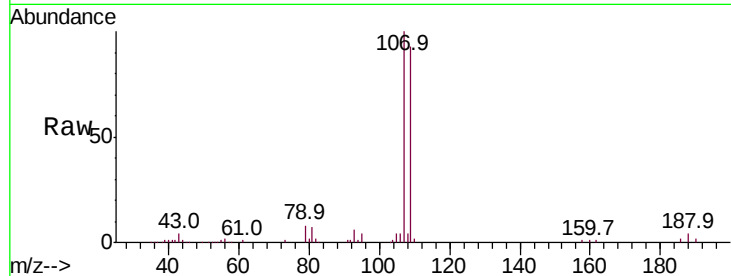
109 93.4 75.2 112.8

Manual Integrations

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5/13/2019 4:27:28 PM



#62

4-Bromofluorobenzene

Concen: 49.474 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009529.D

Acq: 11 May 2019 16:40

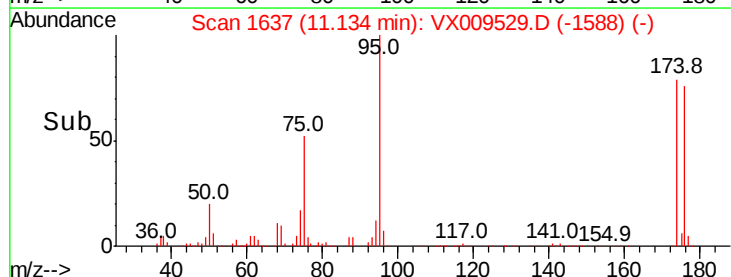
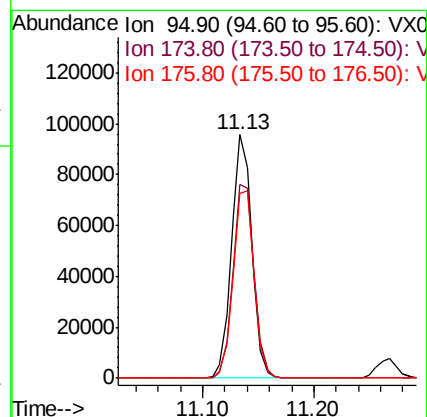
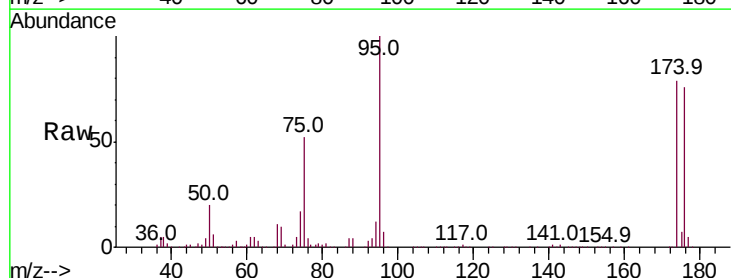
Tgt Ion: 95 Resp: 119685

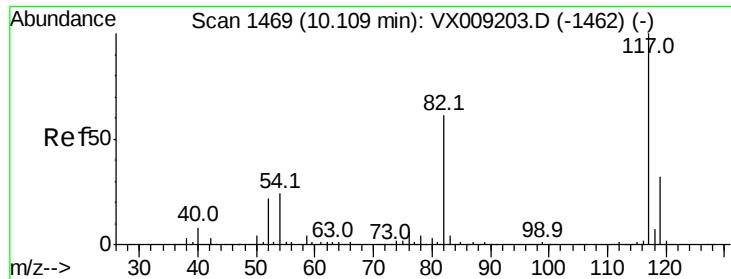
Ion Ratio Lower Upper

95 100

174 82.9 0.0 161.6

176 80.2 0.0 159.2





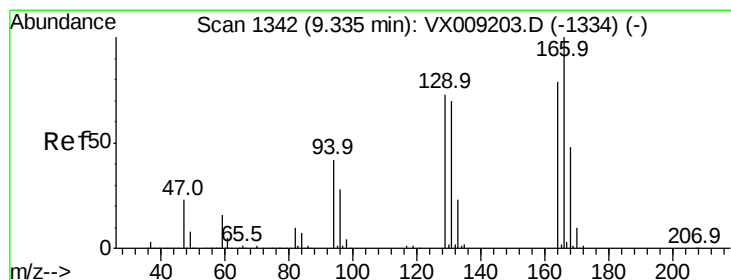
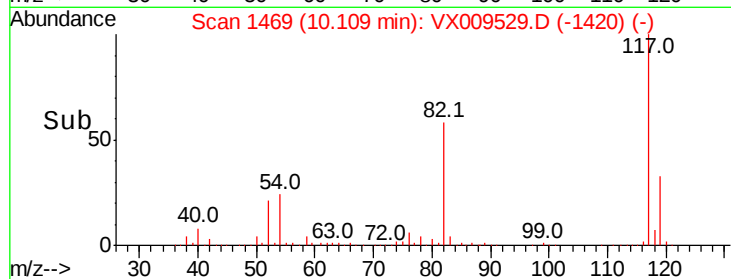
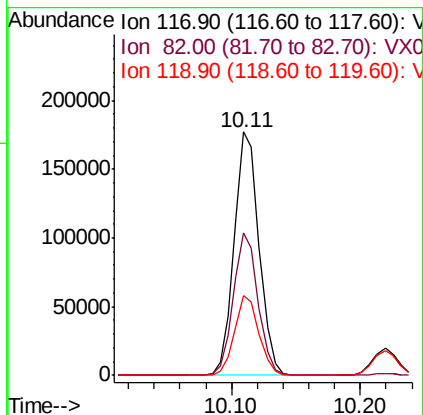
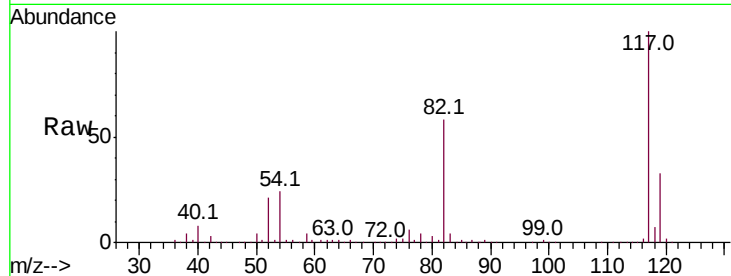
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009529.D
Acq: 11 May 2019 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0511MBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.4	48.8	73.2
119	32.8	25.8	38.6

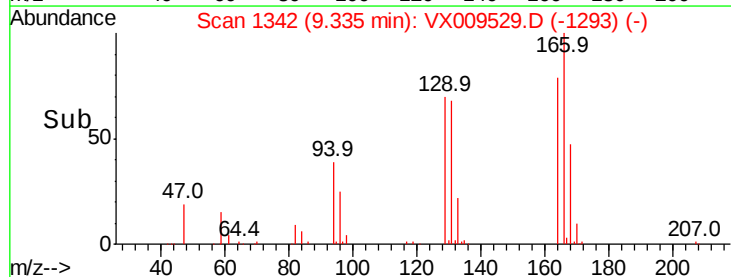
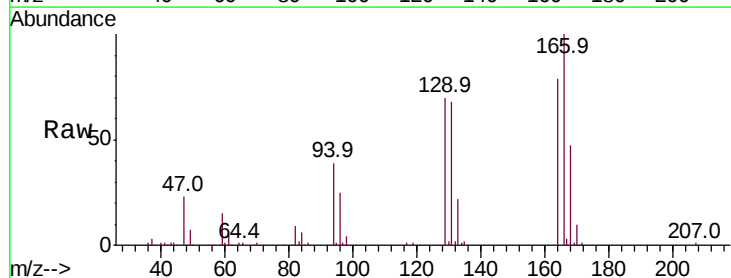
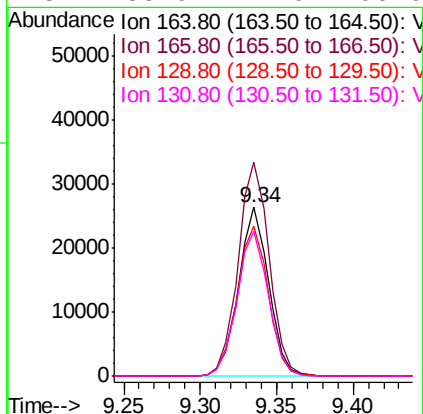
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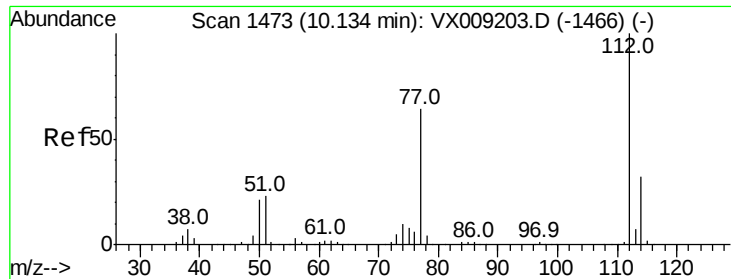
MMDadoda
5/13/2019 4:27:28 PM



#64
Tetrachloroethene
Concen: 21.986 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009529.D
Acq: 11 May 2019 16:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.6	101.2	151.8
129	88.5	74.3	111.5
131	85.9	71.0	106.6





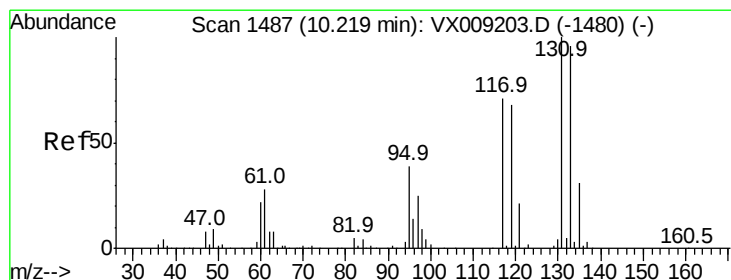
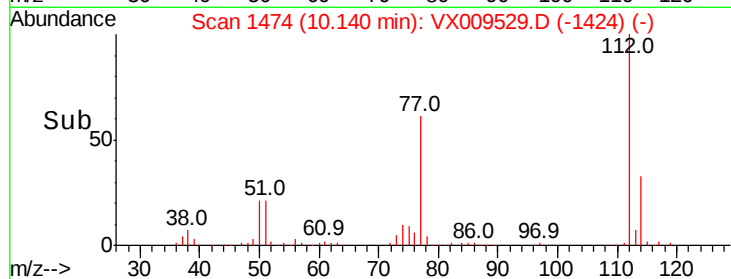
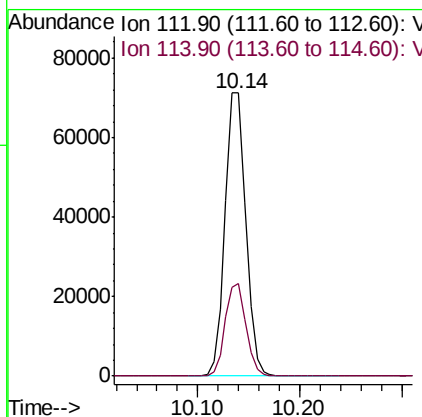
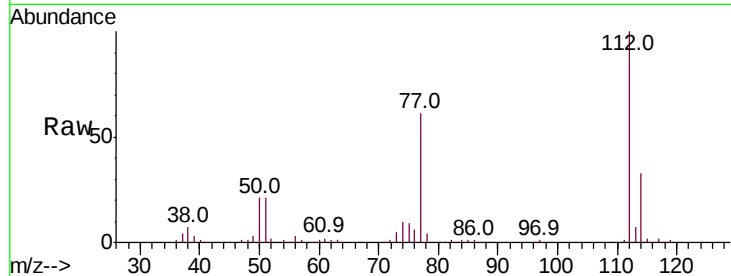
#65
Chlorobenzene
Concen: 21.200 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009529.D
Acq: 11 May 2019 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0511MBSD01

Tot Ion:112 Resp: 100964
Ion Ratio Lower Upper
112 100
114 32.8 25.5 38.3

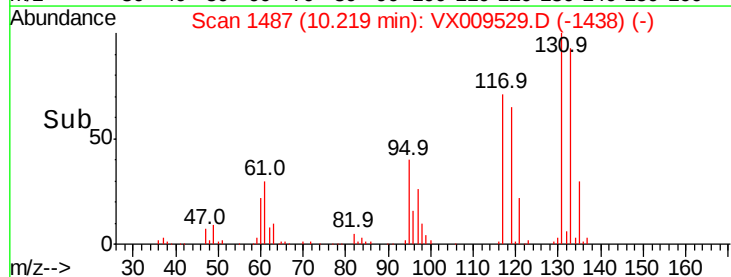
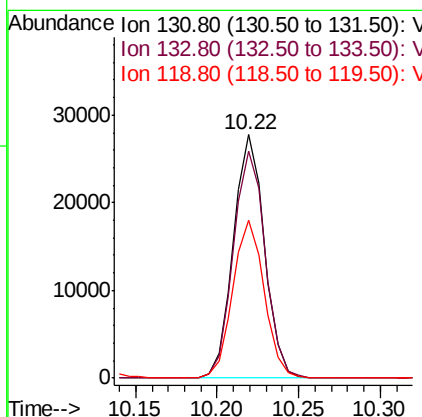
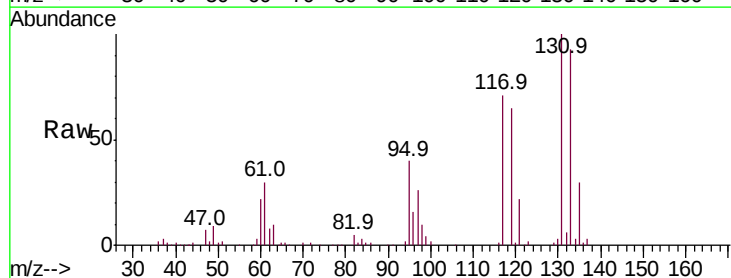
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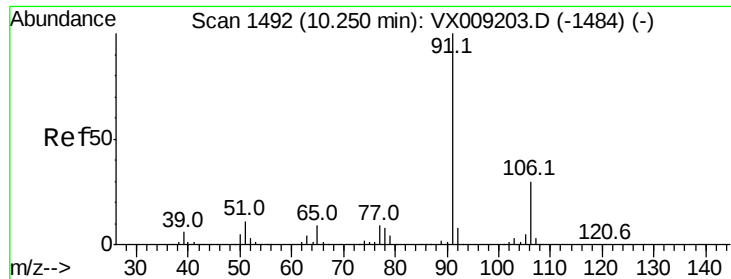
MMDadoda
5/13/2019 4:27:28 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.253 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX009529.D
Acq: 11 May 2019 16:40

Tgt Ion:131 Resp: 36694
Ion Ratio Lower Upper
131 100
133 95.7 47.7 143.1
119 66.1 33.5 100.4





#67

Ethyl Benzene

Concen: 21.460 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009529.D

Acq: 11 May 2019 16:40

Instrument :

MSVOA_X

ClientSampleId :

VX0511MBSD01

Tot Ion: 91 Resp: 188083

Ion Ratio Lower Upper

91 100

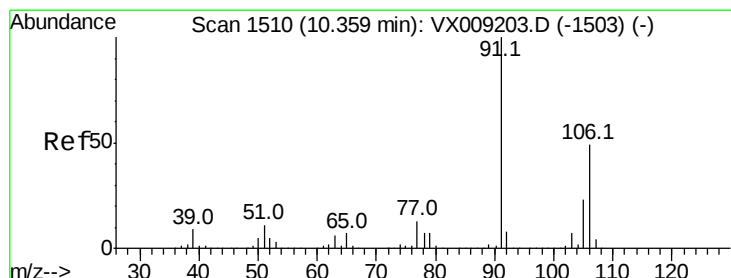
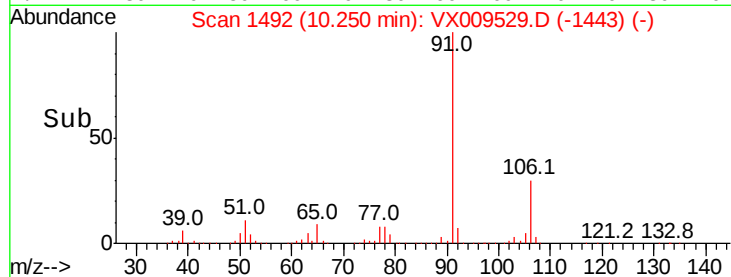
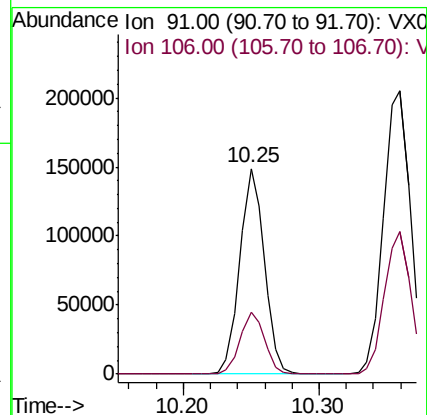
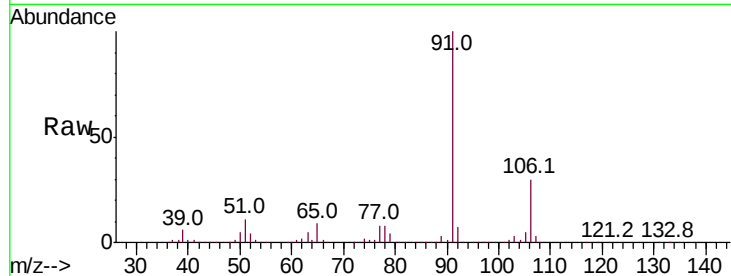
106 30.1 24.0 36.0

Manual Integrations

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MMDadoda

5/13/2019 4:27:28 PM



#68

m/p-Xylenes

Concen: 43.587 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009529.D

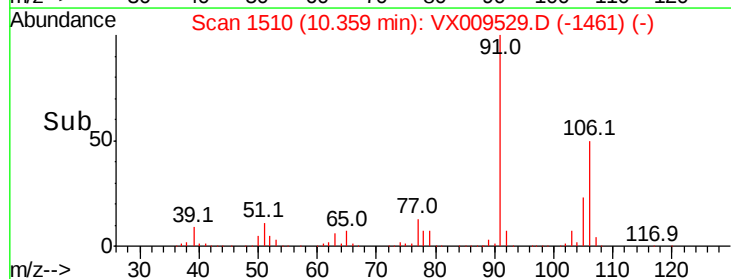
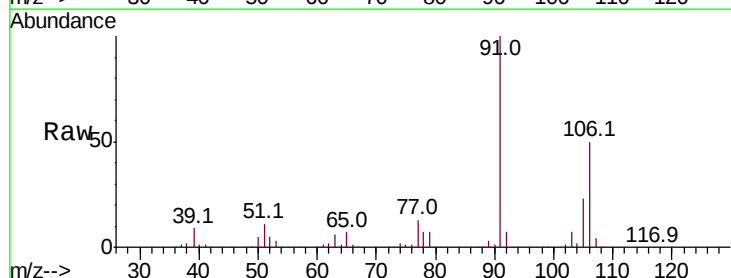
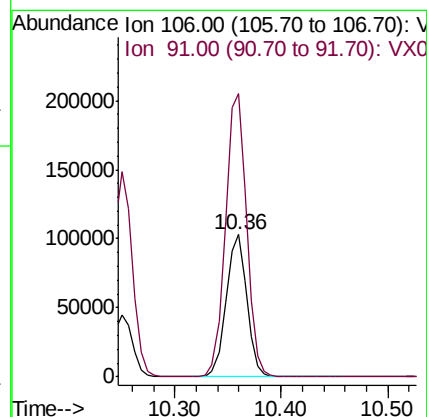
Acq: 11 May 2019 16:40

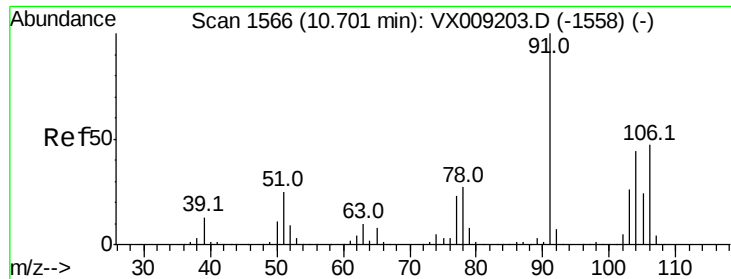
Tgt Ion: 106 Resp: 139603

Ion Ratio Lower Upper

106 100

91 203.3 164.0 246.0





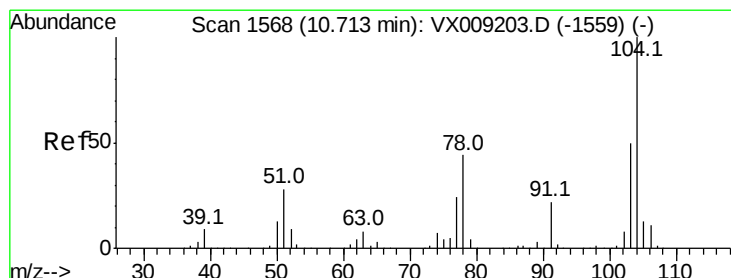
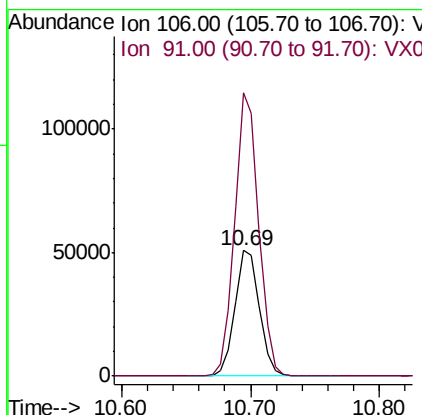
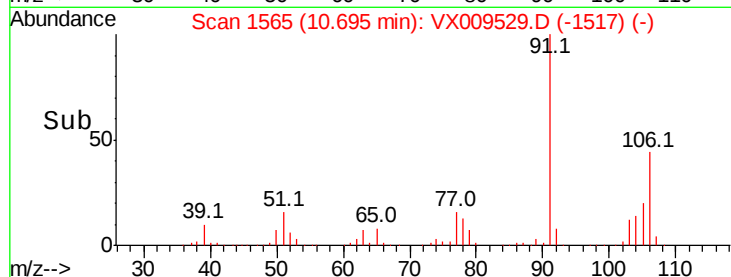
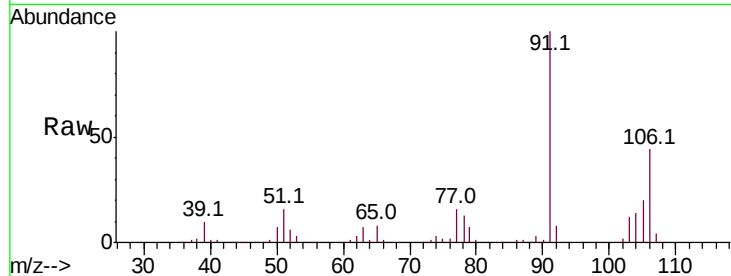
#69
o-Xylene
Concen: 21.269 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009529.D
Acq: 11 May 2019 16:40

Instrument :
MSVOA_X
ClientSampleID :
VX0511MBS01

Tot Ion:106 Resp: 67211
Ion Ratio Lower Upper
106 100
91 221.7 109.5 328.4

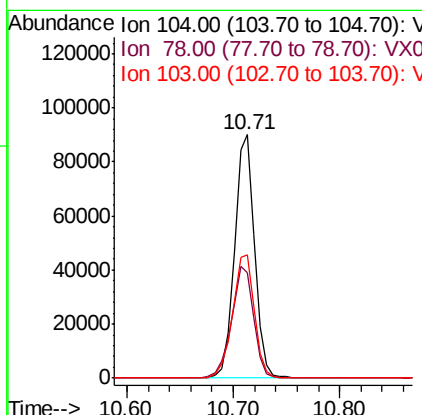
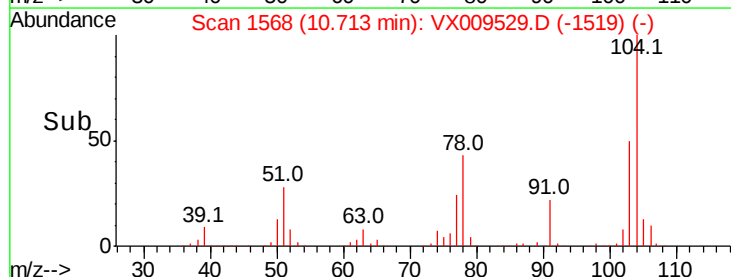
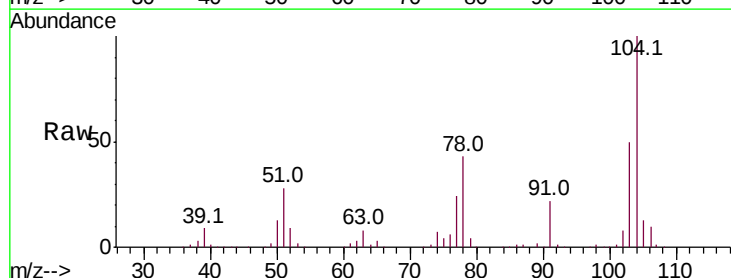
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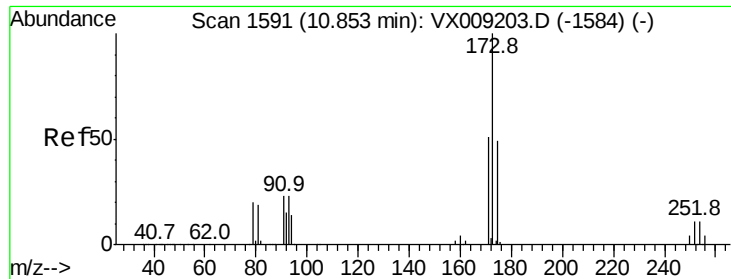
MMDadoda
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#70
Styrene
Concen: 21.534 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009529.D
Acq: 11 May 2019 16:40

Tgt Ion:104 Resp: 118276
Ion Ratio Lower Upper
104 100
78 51.3 41.0 61.4
103 55.4 43.8 65.6





#71

Bromoform

Concen: 20.030 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009529.D

Acq: 11 May 2019 16:40

Instrument :

MSVOA_X

ClientSampleId :

VX0511MBS01

Tot Ion:173 Resp: 28104

Ion Ratio Lower Upper

173 100

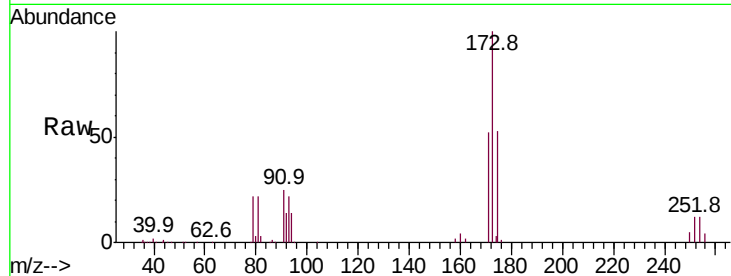
175 51.8 24.5 73.5

254 0.0 0.1 0.1#

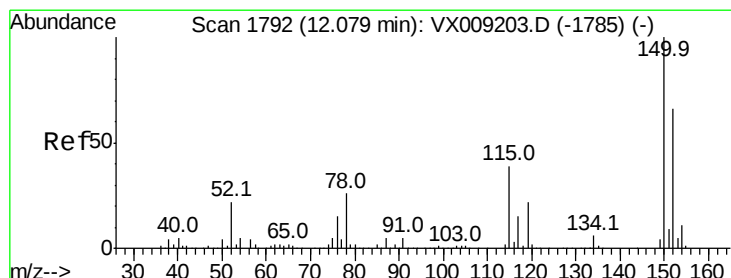
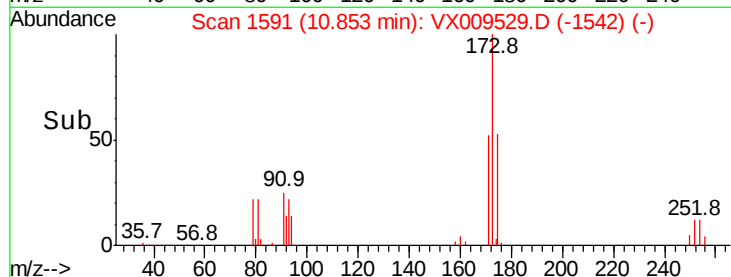
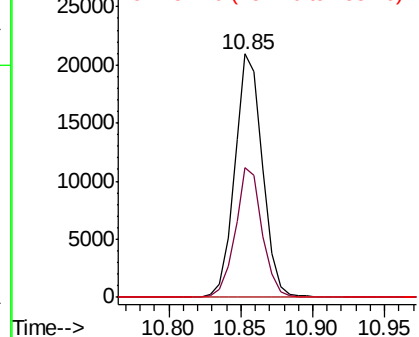
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009529.D

Acq: 11 May 2019 16:40

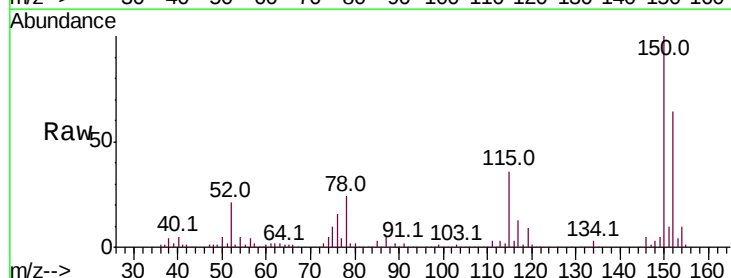
Tgt Ion:152 Resp: 114926

Ion Ratio Lower Upper

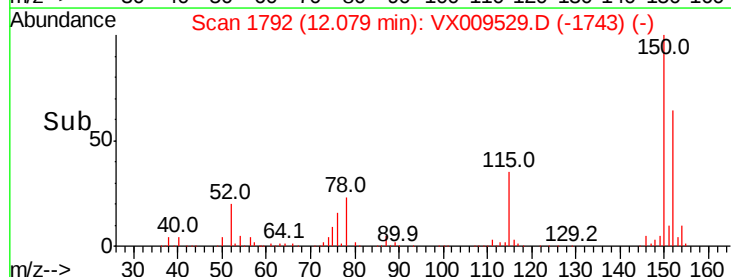
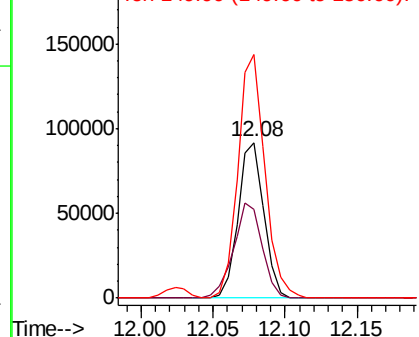
152 100

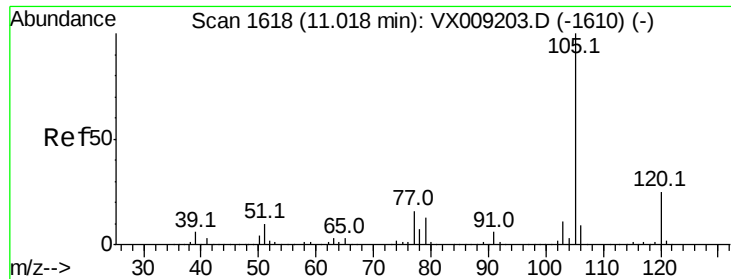
115 67.8 41.2 123.6

150 162.9 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





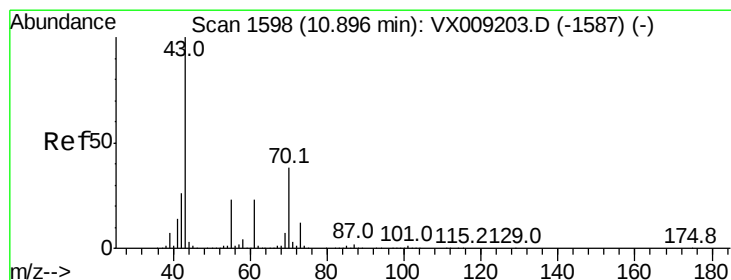
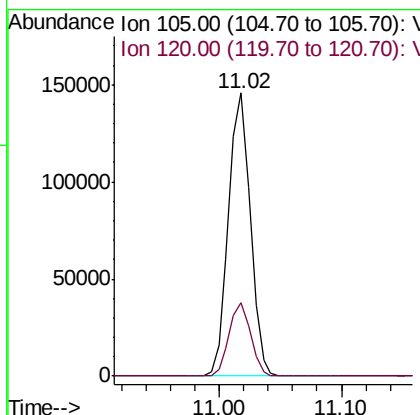
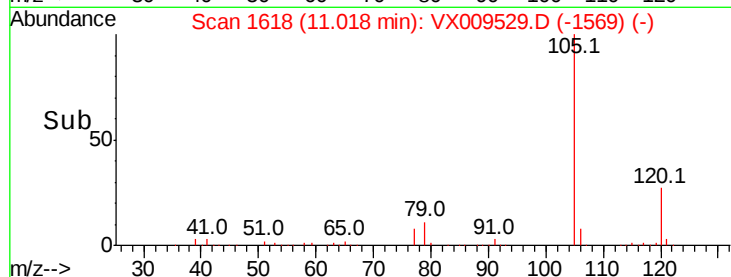
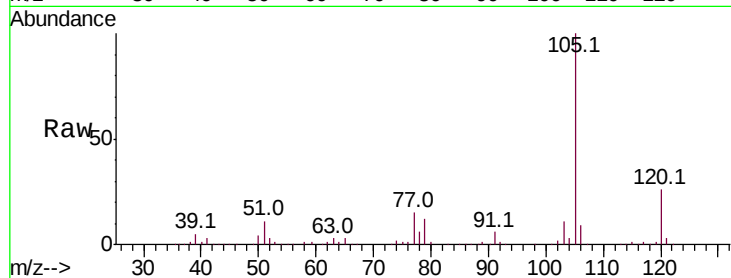
#73
Isopropylbenzene
Concen: 21.595 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX009529.D
Acq: 11 May 2019 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0511MBSD01

Tot Ion: 105 Resp: 180479
Ion Ratio Lower Upper
105 100
120 25.7 12.8 38.3

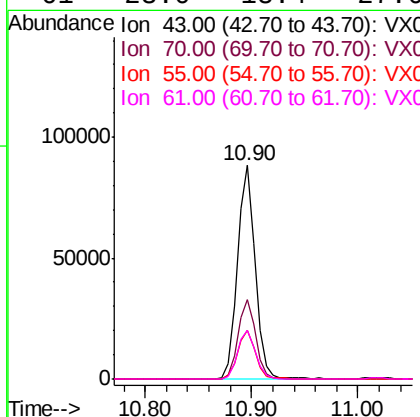
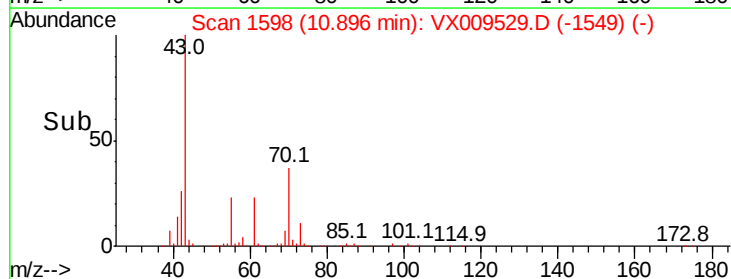
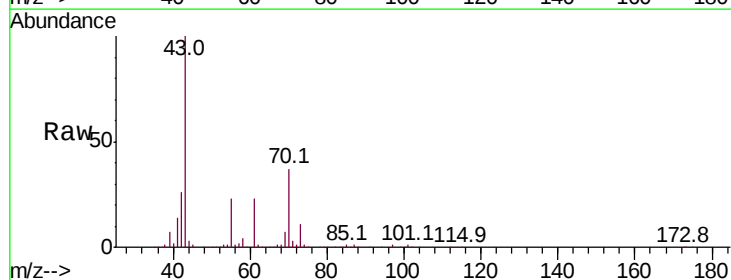
Manual Integrations
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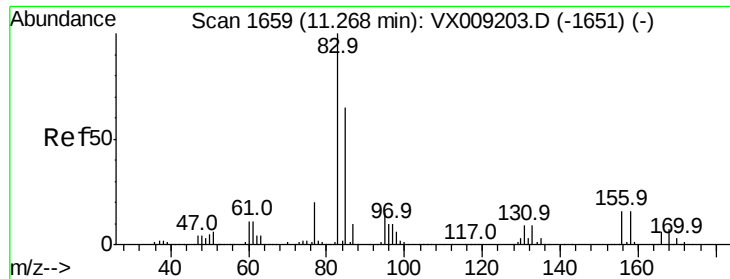
MMDadoda
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#74
N-ethyl acetate
Concen: 21.242 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX009529.D
Acq: 11 May 2019 16:40

Tgt Ion: 43 Resp: 103501
Ion Ratio Lower Upper
43 100
70 37.0 30.0 45.0
55 23.0 17.9 26.9
61 23.0 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.200 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009529.D

Acq: 11 May 2019 16:40

Instrument :

MSVOA_X

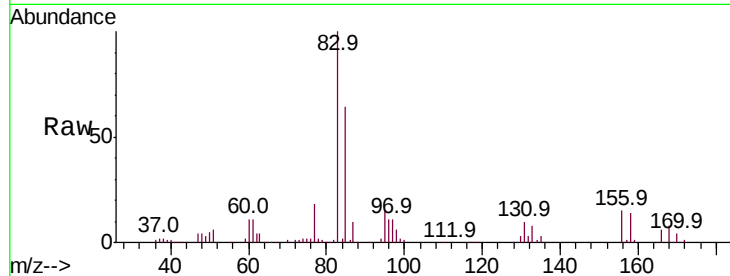
ClientSampleId :

VX0511MBSD01

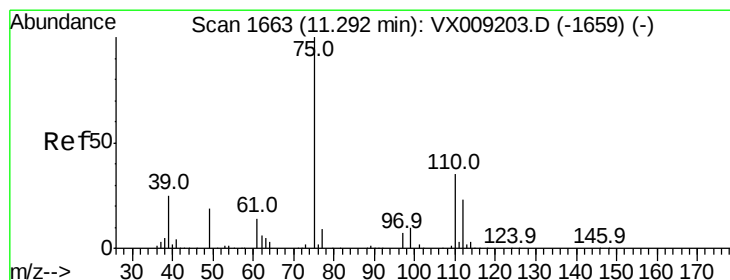
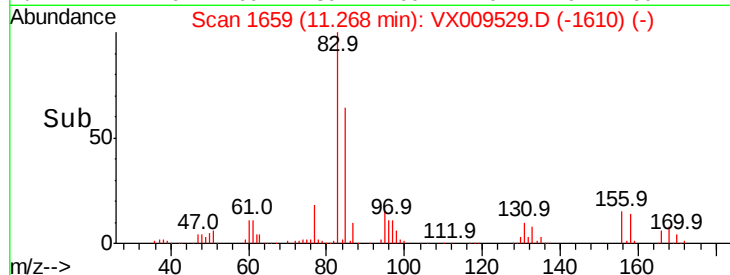
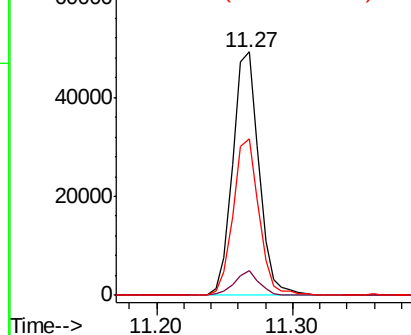
Tot Ion:	83	Resp:	66048
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.6	13.8
85	63.4	32.0	96.2

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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: 21.686 ug/l m

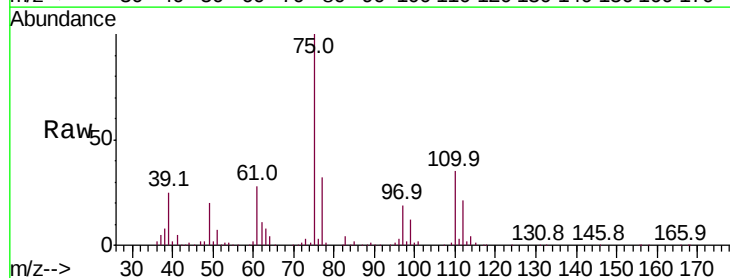
RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

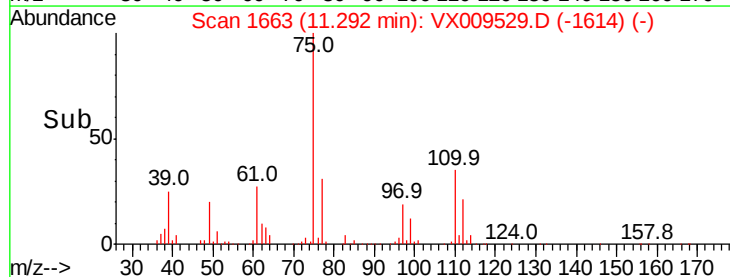
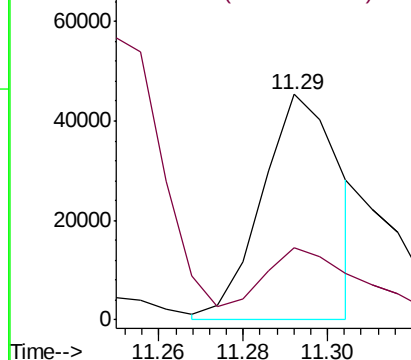
Lab File: VX009529.D

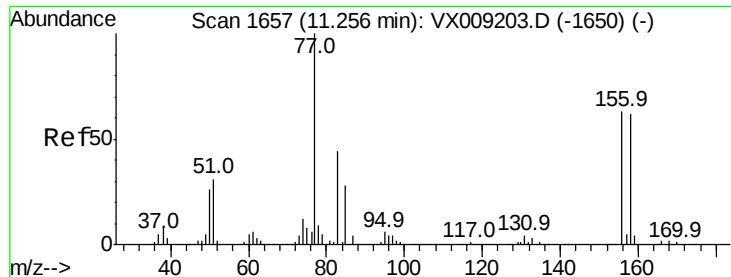
Acq: 11 May 2019 16:40

Tgt Ion:	75	Resp:	57811
Ion Ratio	Lower	Upper	
75	100		
77	42.0	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: 21.342 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009529.D

Acq: 11 May 2019 16:40

Instrument :

MSVOA_X

ClientSampleId :

VX0511MBSD01

Tot Ion:156 Resp: 44271

Ion Ratio Lower Upper

156 100

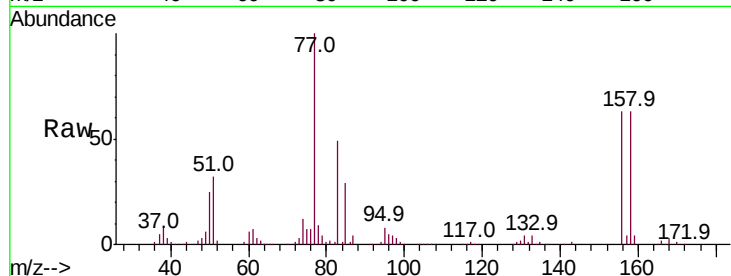
77 166.7 84.8 254.3

158 97.8 49.1 147.3

Manual Integrations
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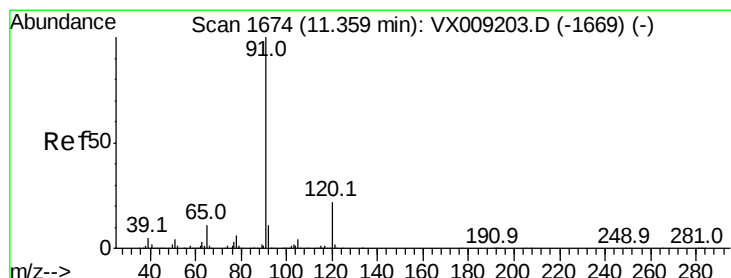
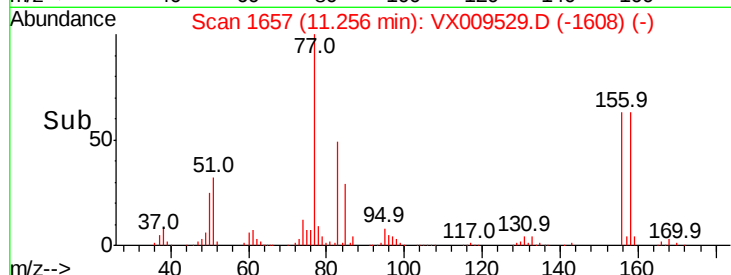
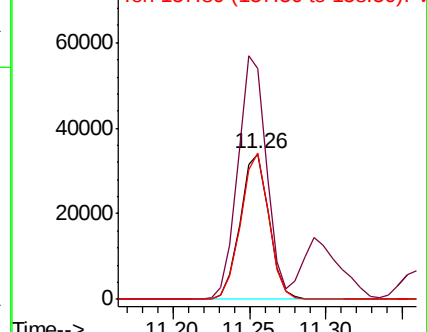
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.433 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009529.D

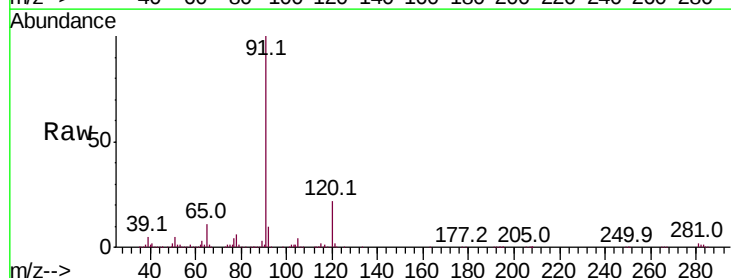
Acq: 11 May 2019 16:40

Tgt Ion: 91 Resp: 204565

Ion Ratio Lower Upper

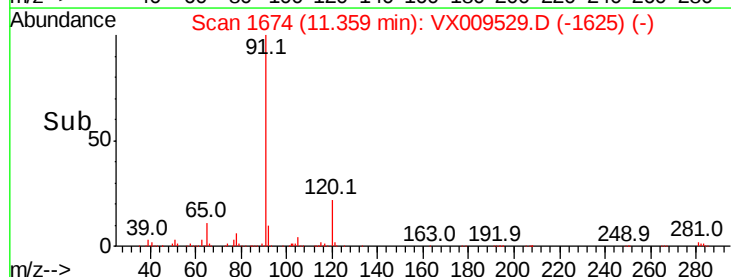
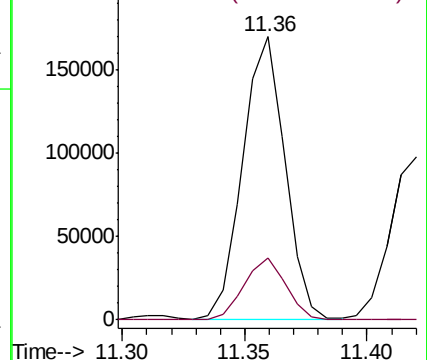
91 100

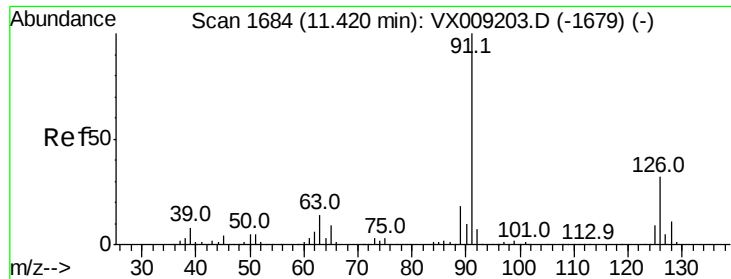
120 21.8 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.938 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009529.D

Acq: 11 May 2019 16:40

Instrument :

MSVOA_X

ClientSampled :

VX0511MBSD01

Tot Ion: 91 Resp: 123291

Ion Ratio Lower Upper

91 100

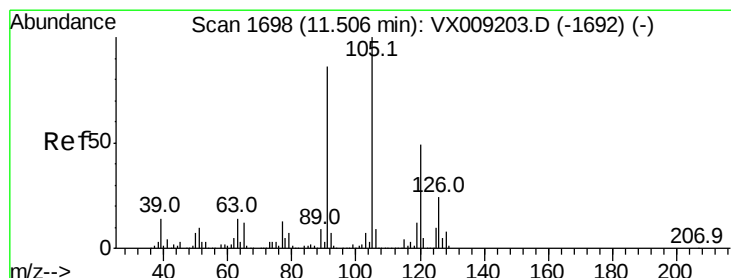
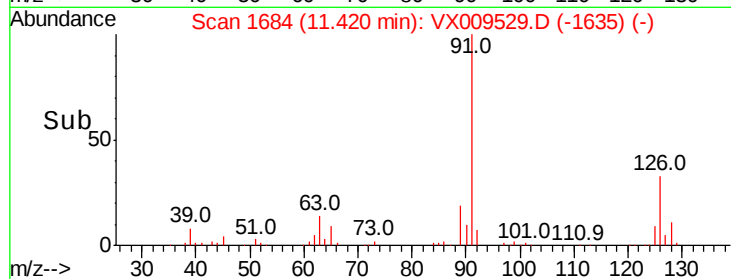
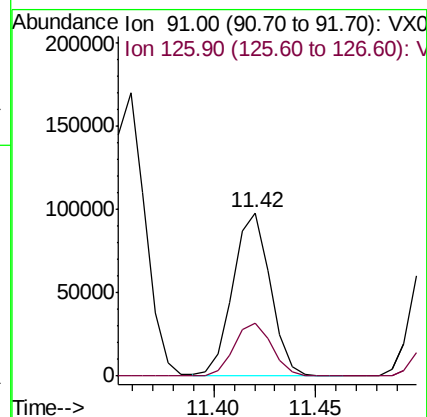
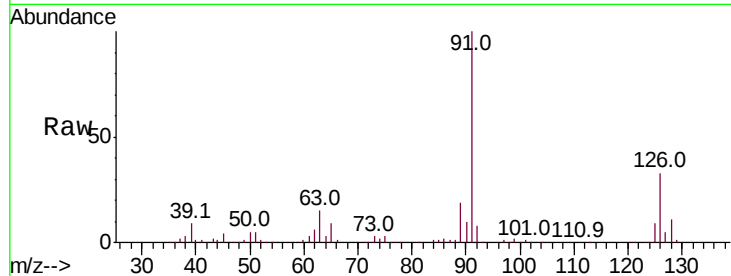
126 33.1 16.3 48.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.687 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009529.D

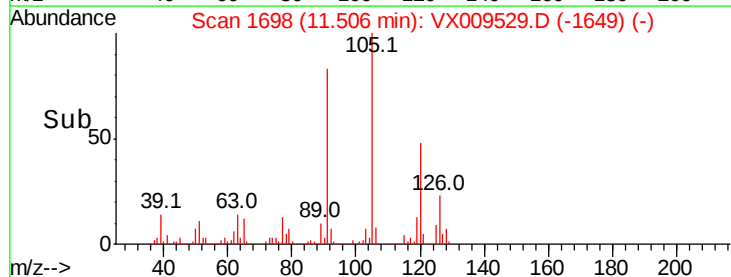
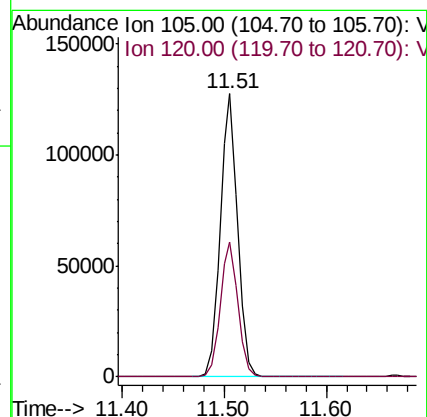
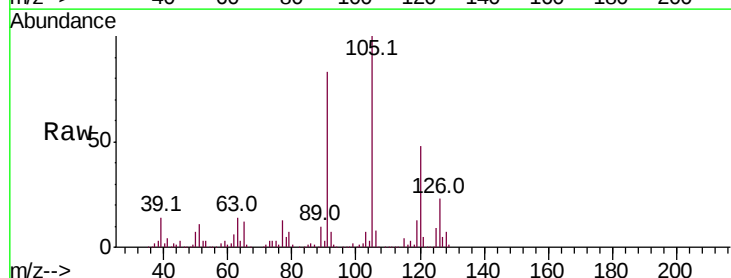
Acq: 11 May 2019 16:40

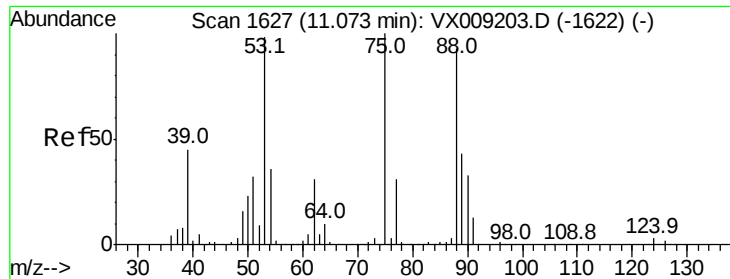
Tgt Ion: 105 Resp: 152606

Ion Ratio Lower Upper

105 100

120 48.4 24.3 72.9





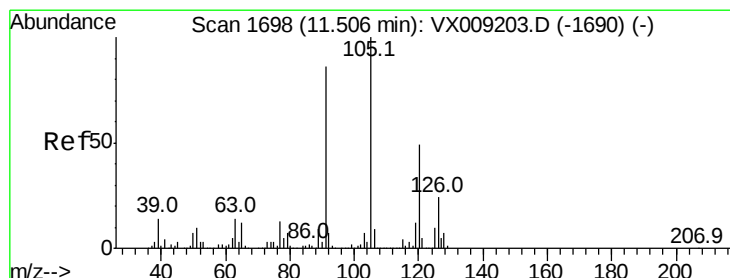
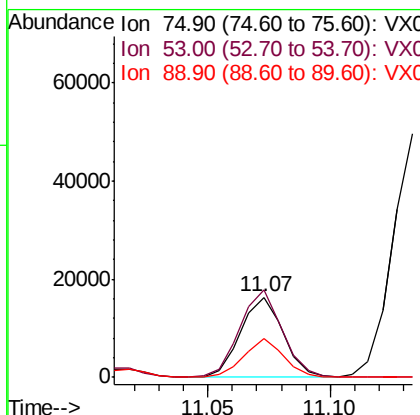
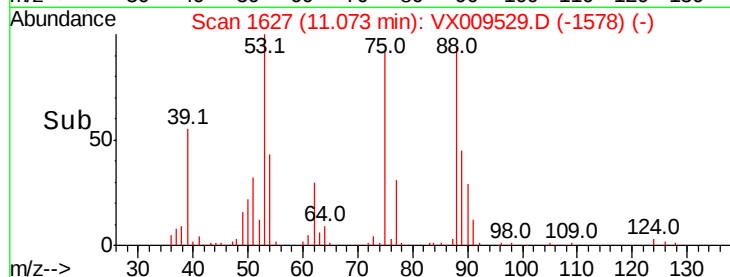
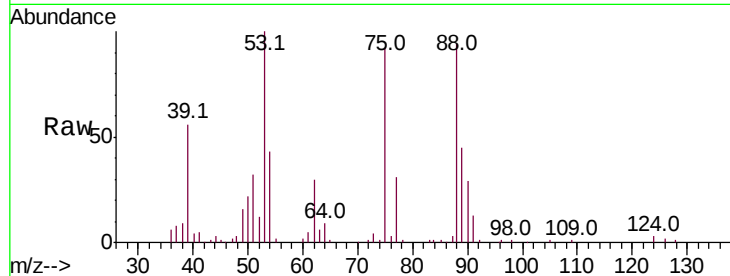
#81
trans-1,4-Dichloro-2-butene
Concen: 19.147 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX009529.D
Acq: 11 May 2019 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0511MBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.0	79.0	118.6
89	45.5	34.7	52.1

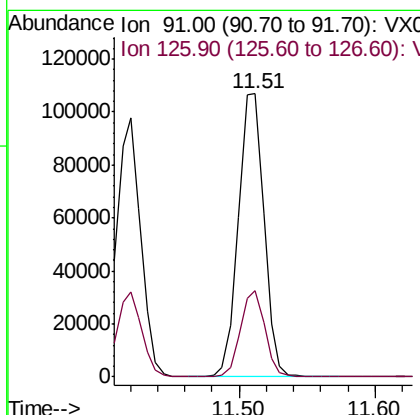
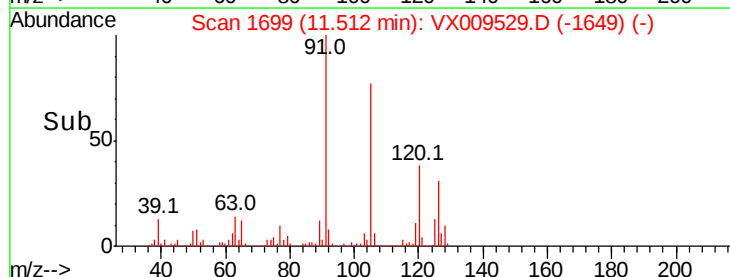
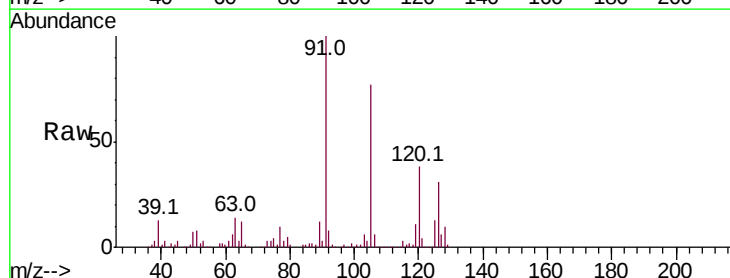
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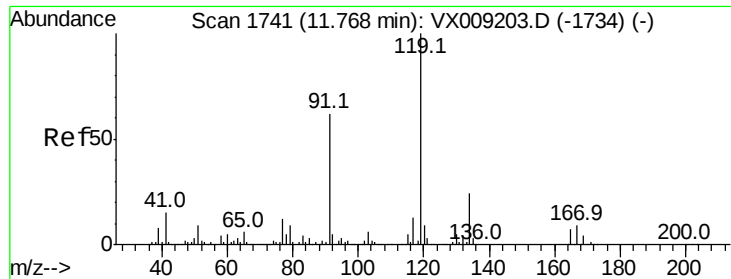
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#82
4-Chlorotoluene
Concen: 21.092 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.01 min
Lab File: VX009529.D
Acq: 11 May 2019 16:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.1	14.5	43.6





#83

tert-Butylbenzene

Concen: 21.101 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX009529.D

Acq: 11 May 2019 16:40

Instrument :

MSVOA_X

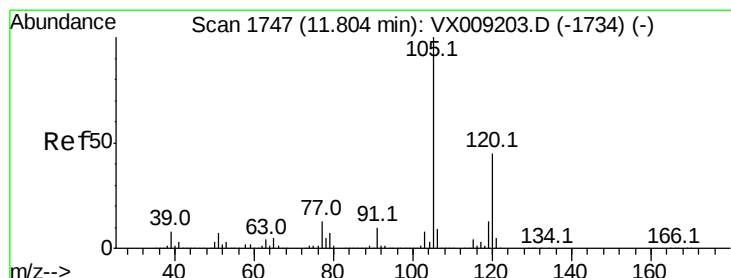
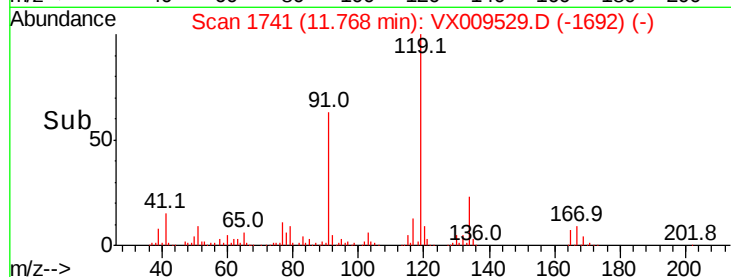
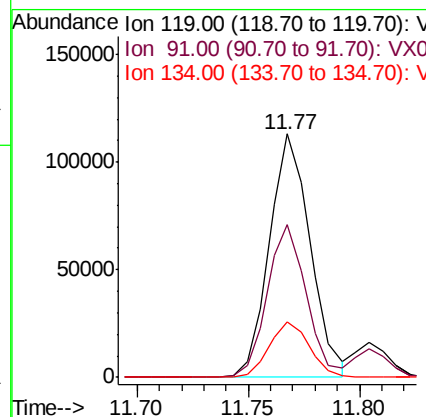
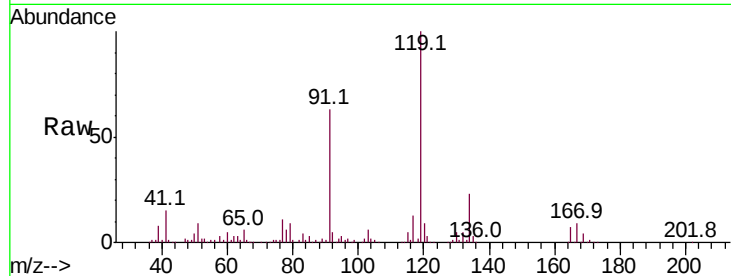
ClientSampleId :

VX0511MBSD01

Tot Ion:	119	Resp:	144447
Ion Ratio	Lower	Upper	
119	100		
91	60.0	29.5	88.5
134	22.4	11.4	34.1

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 21.690 ug/l

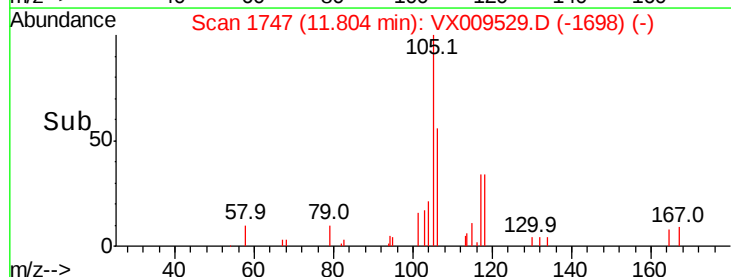
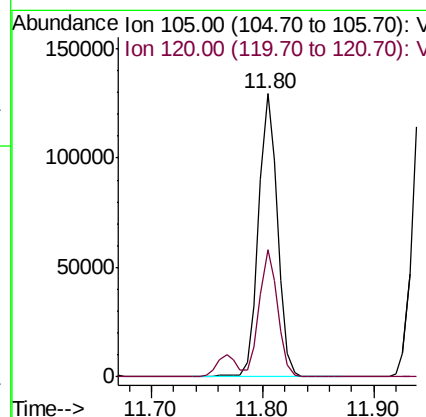
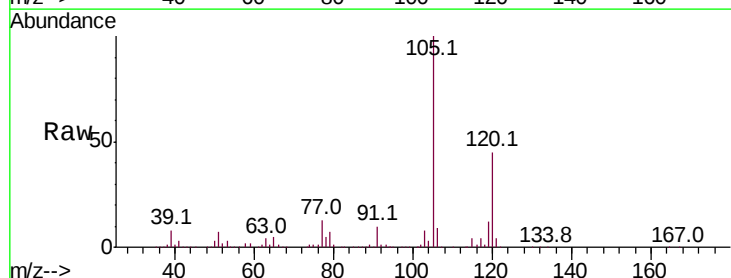
RT: 11.80 min Scan# 1747

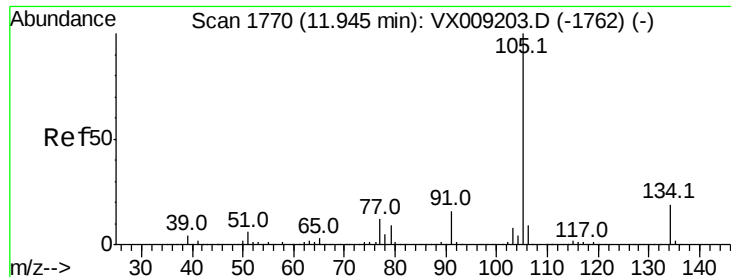
Delta R.T. -0.00 min

Lab File: VX009529.D

Acq: 11 May 2019 16:40

Tgt Ion:	105	Resp:	153201
Ion Ratio	Lower	Upper	
105	100		
120	43.9	22.0	66.0





#85

sec-Butylbenzene

Concen: 21.331 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009529.D

Acq: 11 May 2019 16:40

Instrument :

MSVOA_X

ClientSampleId :

VX0511MBSD01

Tot Ion:105 Resp: 173117

Ion Ratio Lower Upper

105 100

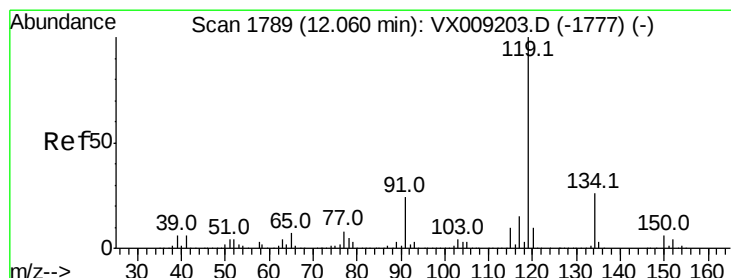
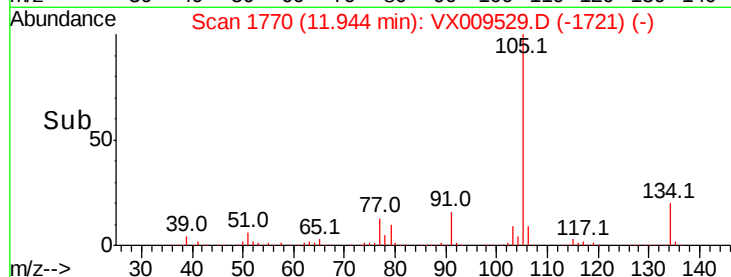
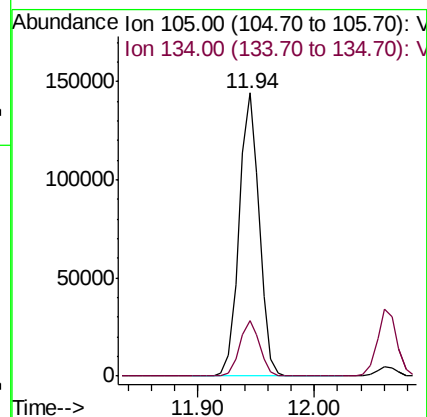
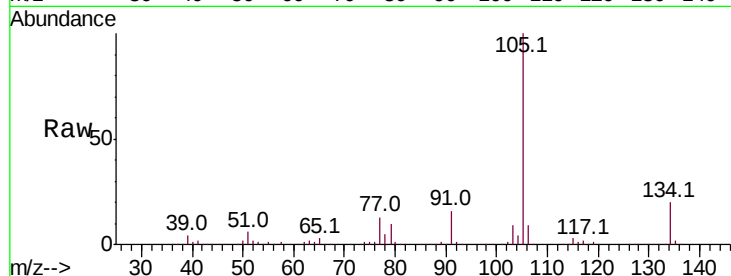
134 19.6 9.7 28.9

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#86

p-Isopropyltoluene

Concen: 21.373 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009529.D

Acq: 11 May 2019 16:40

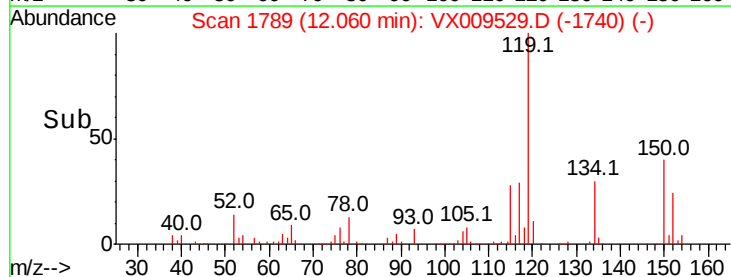
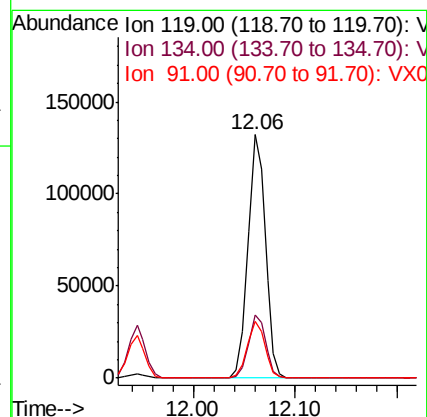
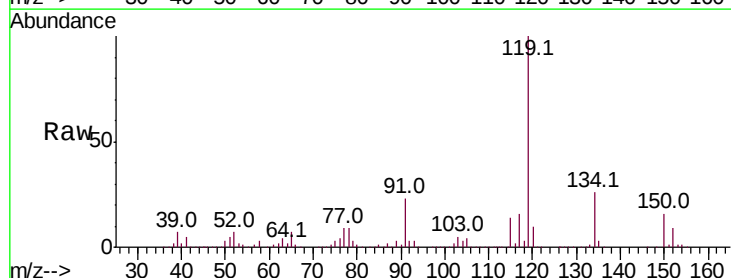
Tgt Ion:119 Resp: 155939

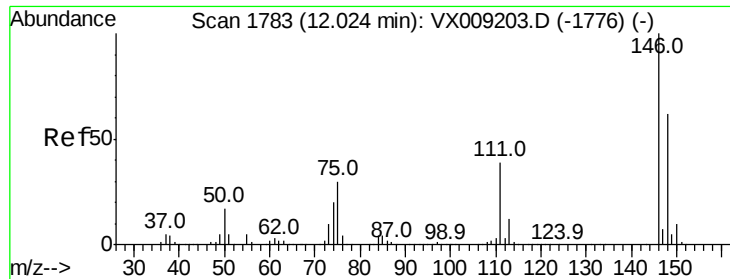
Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.7

91 23.5 11.8 35.4





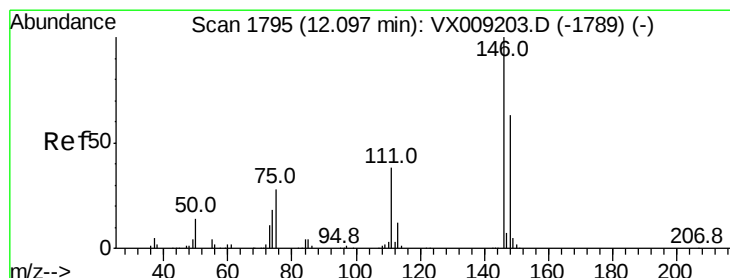
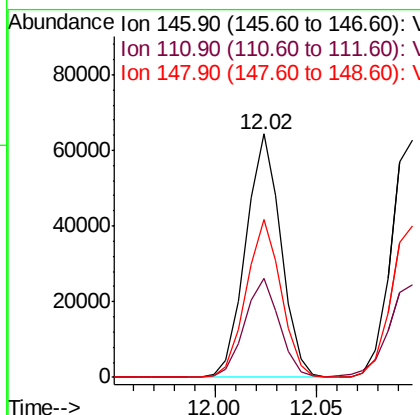
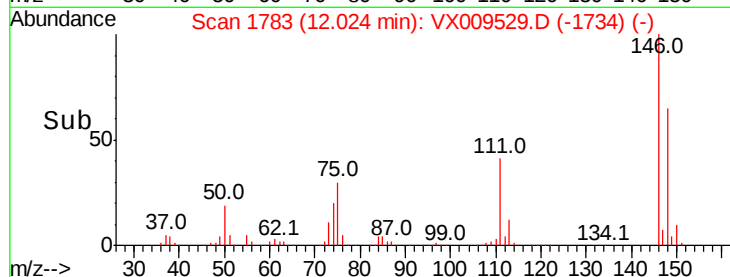
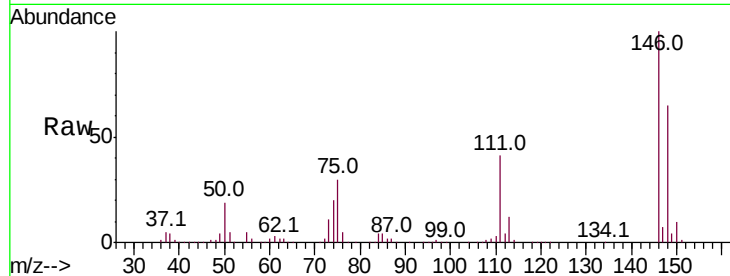
#87
 1,3-Dichlorobenzene
 Concen: 20.819 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009529.D
 Acq: 11 May 2019 16:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.0	59.9
148	64.6	31.8	95.3

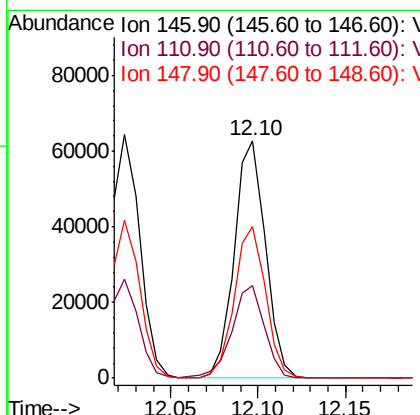
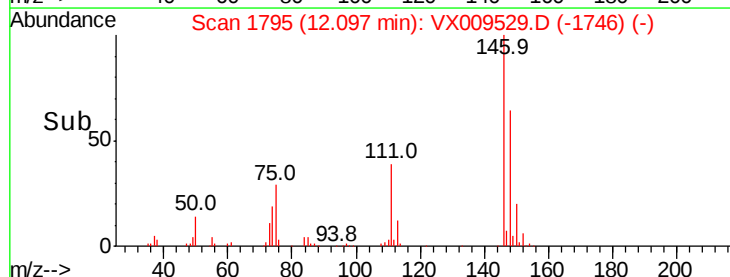
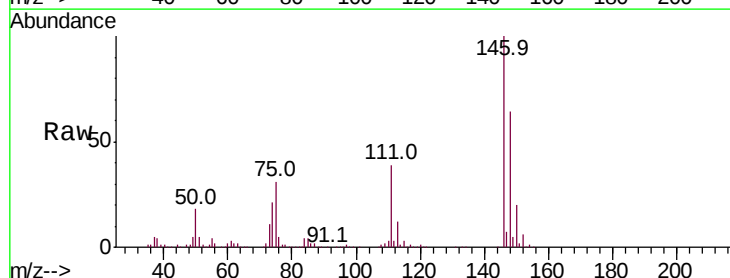
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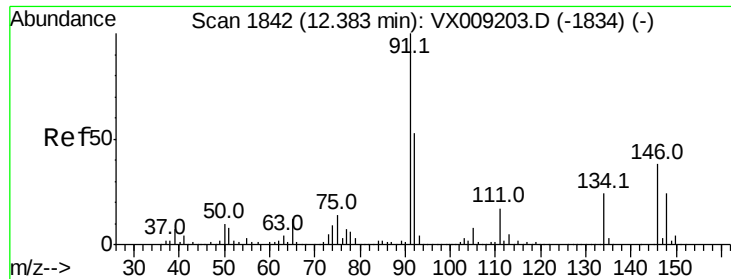
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#88
 1,4-Dichlorobenzene
 Concen: 20.821 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009529.D
 Acq: 11 May 2019 16:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.6	58.8
148	64.3	31.8	95.3





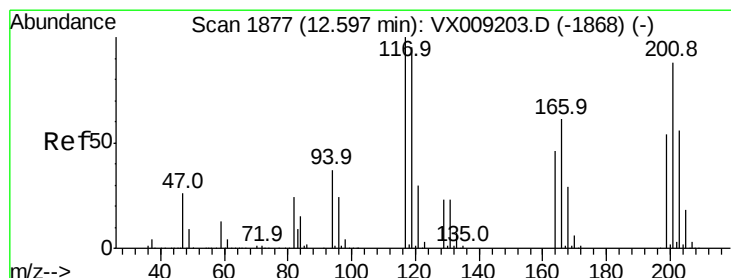
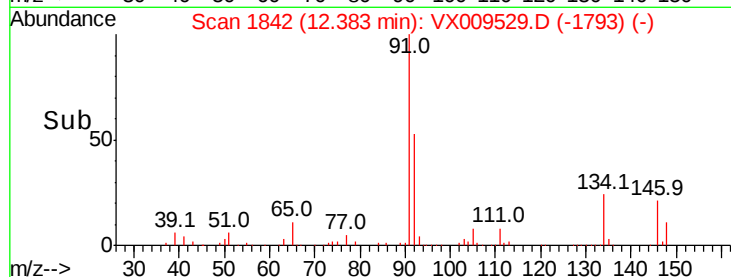
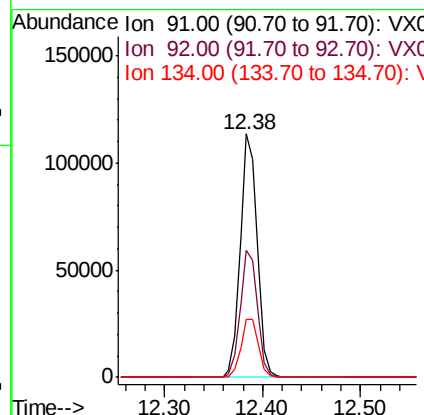
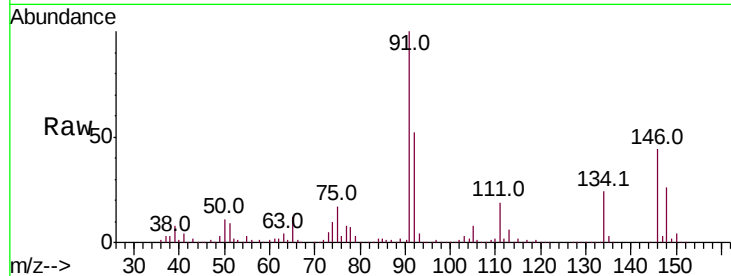
#89
n-Butylbenzene
Concen: 20.597 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009529.D
Acq: 11 May 2019 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0511MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.5	79.5
134	24.7	12.4	37.2

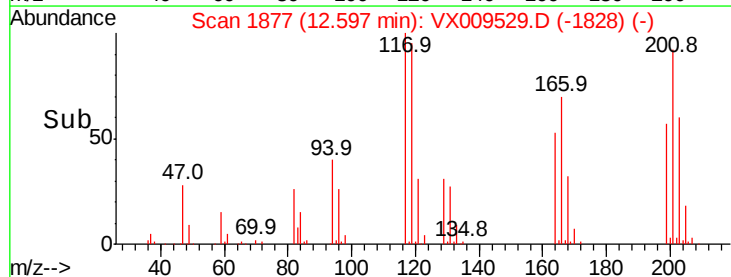
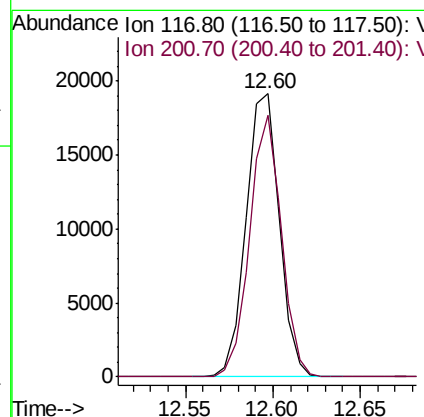
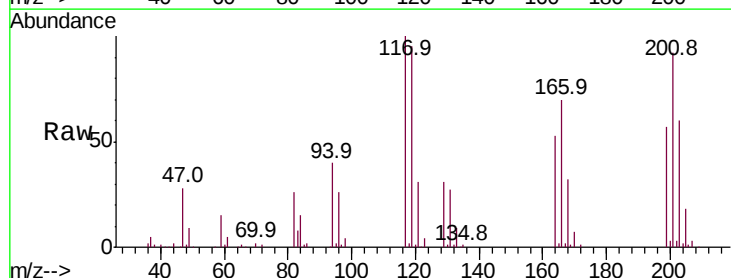
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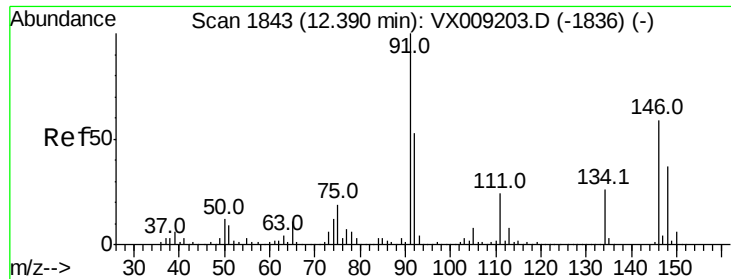
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#90
Hexachloroethane
Concen: 20.356 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009529.D
Acq: 11 May 2019 16:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.9	42.3	126.9





#91

1,2-Dichlorobenzene

Concen: 20.803 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX009529.D

Acq: 11 May 2019 16:40

Instrument :

MSVOA_X

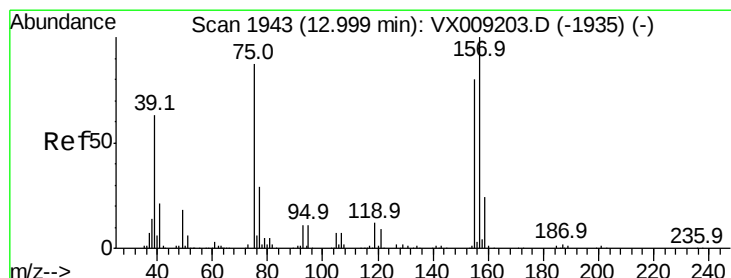
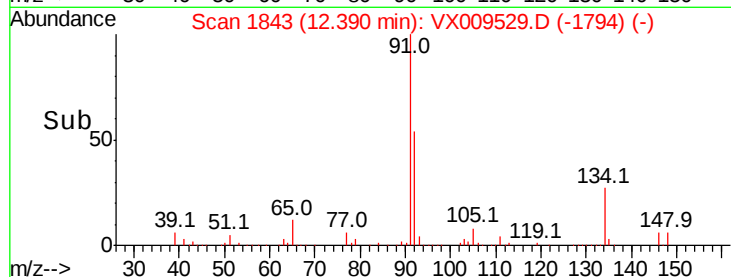
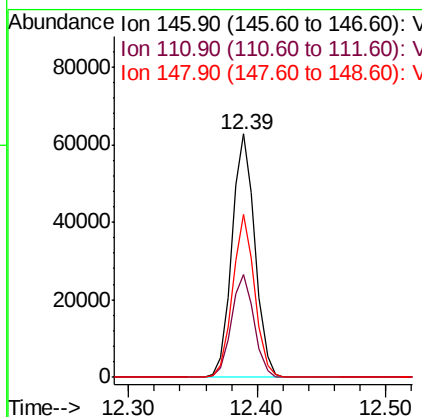
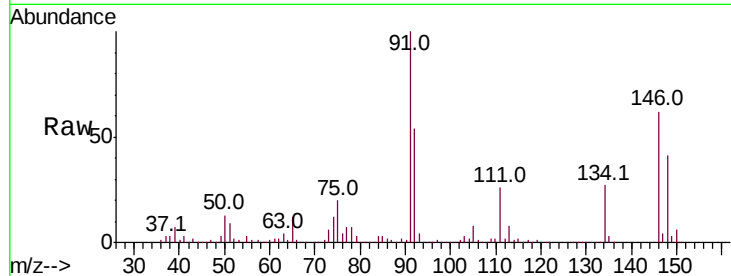
ClientSampleId :

VX0511MBSD01

Tot Ion:	146	Resp:	78352
Ion Ratio	Lower	Upper	
146	100		
111	41.7	20.8	62.4
148	63.9	31.9	95.9

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#92

1,2-Dibromo-3-Chloropropane

Concen: 21.906 ug/l

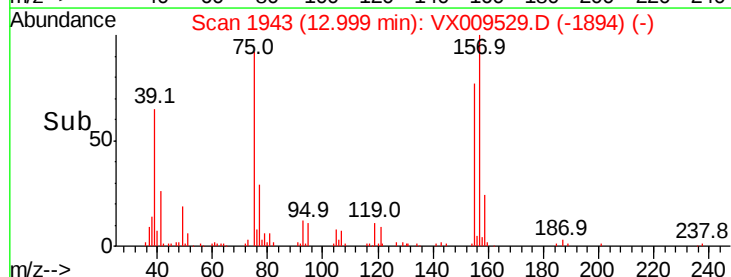
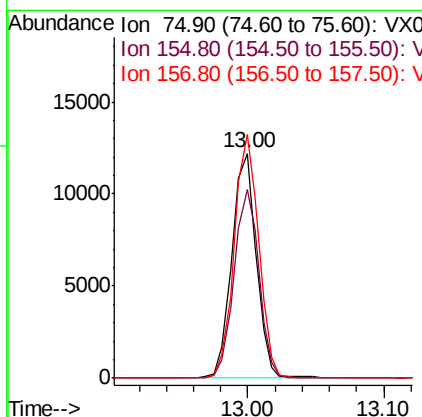
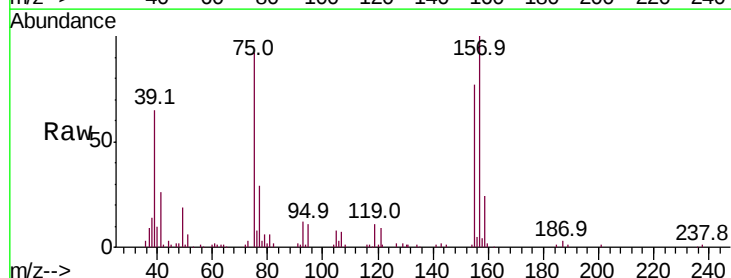
RT: 13.00 min Scan# 1943

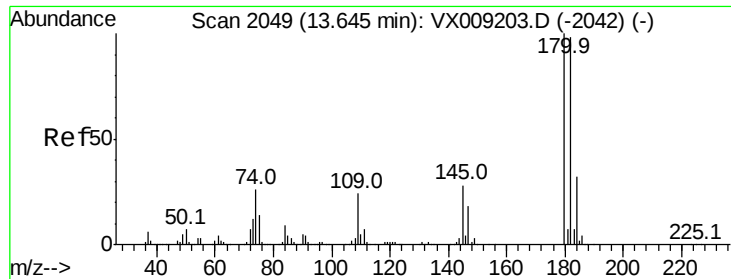
Delta R.T. -0.00 min

Lab File: VX009529.D

Acq: 11 May 2019 16:40

Tgt Ion:	75	Resp:	15310
Ion Ratio	Lower	Upper	
75	100		
155	84.7	42.0	126.0
157	107.7	53.2	159.6





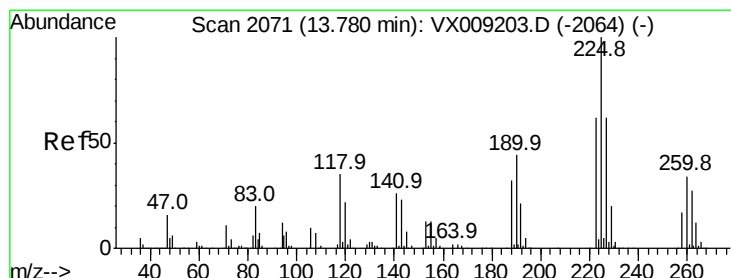
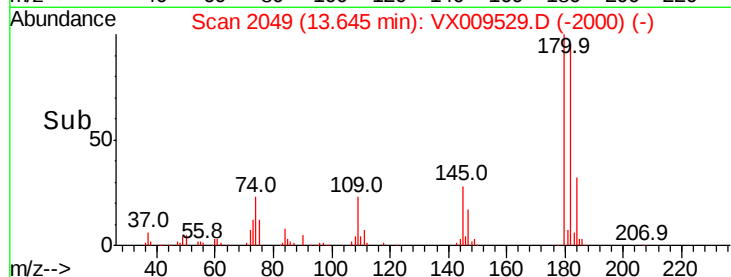
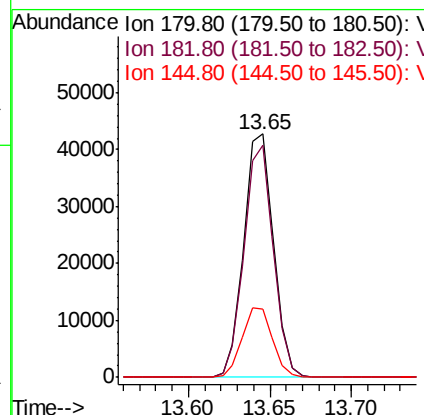
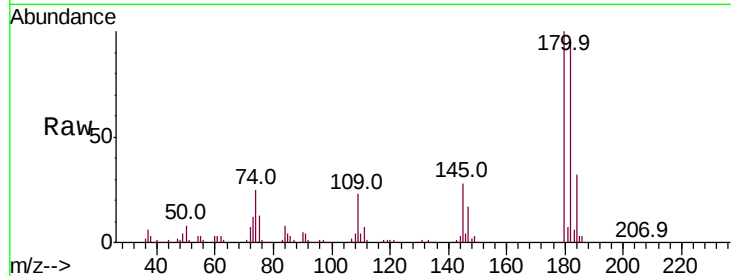
#93
 1,2,4-Trichlorobenzene
 Concen: 21.186 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009529.D
 Acq: 11 May 2019 16:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511MBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	48.4	145.2
145	29.0	14.6	43.8

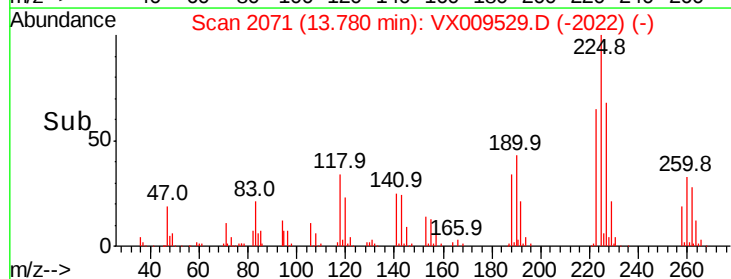
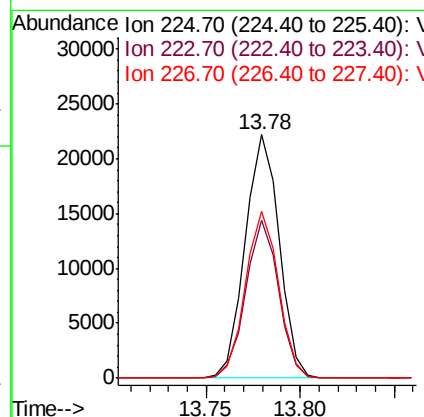
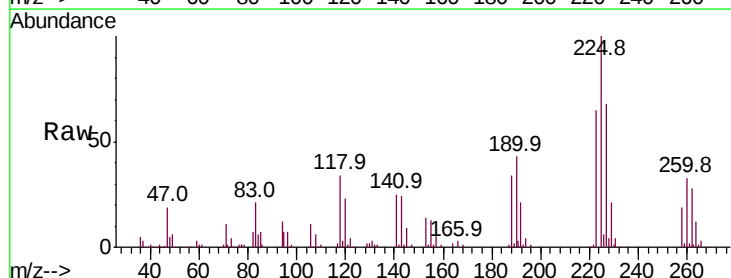
Manual Integrations
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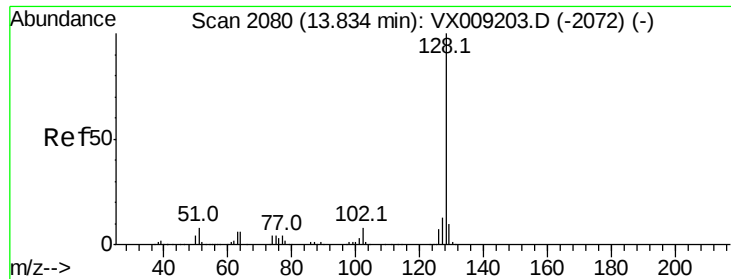
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#94
 Hexachlorobutadiene
 Concen: 21.103 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009529.D
 Acq: 11 May 2019 16:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.3	93.8
227	66.8	31.8	95.3





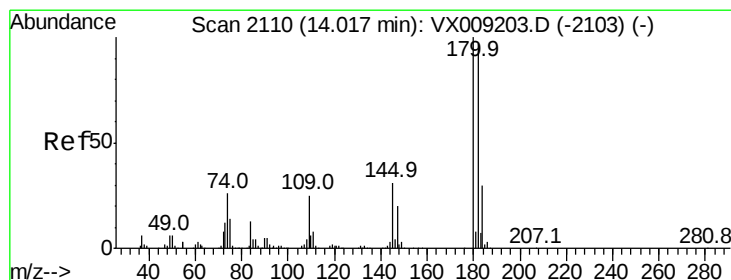
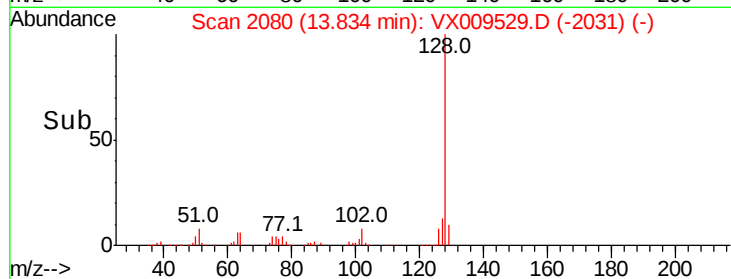
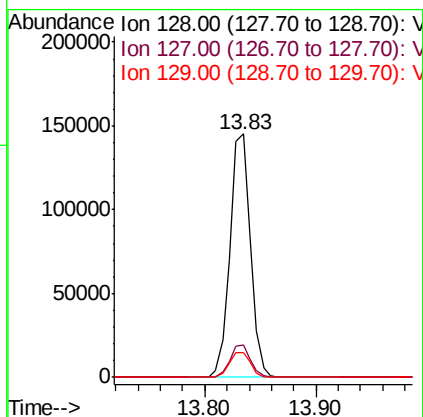
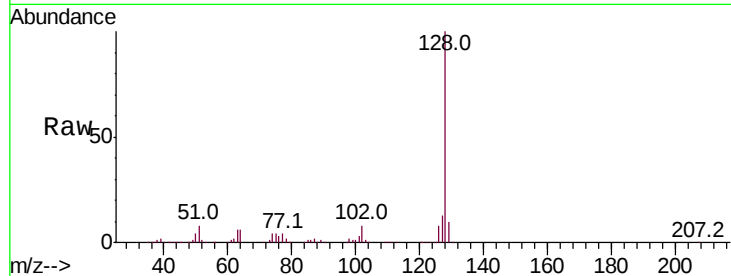
#95
Naphthalene
Concen: 22.040 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX009529.D
Acq: 11 May 2019 16:40

Instrument :
MSVOA_X
ClientSampleId :
VX0511MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	184686		
127	13.3		10.4	15.6
129	10.7		8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 21.854 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX009529.D
Acq: 11 May 2019 16:40

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	57057		
182	96.6		47.8	143.4
145	30.8		15.4	46.4

