

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072219\
 Data File : VX011023.D
 Acq On : 22 Jul 2019 12:19
 Operator : JC/SP
 Sample : VX0722MBS01
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0722MBS01

Manual Integrations
 APPROVED

MMDadoda
 7/23/2019 11:11:18 AM

Quant Time: Jul 23 05:03:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 20 04:05:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	219584	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	322397	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	297687	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	150830	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	113713	48.68	ug/l	0.00
Spiked Amount			Recovery	=	97.36%	
35) Dibromofluoromethane	5.50	113	100831	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	
50) Toluene-d8	8.71	98	378446	49.31	ug/l	0.00
Spiked Amount			Recovery	=	98.62%	
62) 4-Bromofluorobenzene	11.13	95	138803	49.20	ug/l	0.00
Spiked Amount			Recovery	=	98.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	46545	20.208	ug/l	97
3) Chloromethane	1.33	50	39819	19.719	ug/l	97
4) Vinyl Chloride	1.41	62	42295	20.535	ug/l	100
5) Bromomethane	1.64	94	24231	20.877	ug/l	98
6) Chloroethane	1.72	64	26189	20.008	ug/l	99
7) Trichlorofluoromethane	1.93	101	72353	20.752	ug/l	97
8) Diethyl Ether	2.19	74	24082	20.047	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	41147	20.670	ug/l	98
10) Methyl Iodide	2.51	142	47430	18.156	ug/l	99
11) Tert butyl alcohol	3.04	59	52418	96.349	ug/l	98
12) 1,1-Dichloroethene	2.37	96	40110	20.507	ug/l	97
13) Acrolein	2.29	56	23305	74.142	ug/l	100
14) Allyl chloride	2.73	41	57174	20.125	ug/l	98
15) Acrylonitrile	3.14	53	112223	102.082	ug/l	99
16) Acetone	2.44	43	101224	95.941	ug/l	99
17) Carbon Disulfide	2.57	76	92479	18.433	ug/l	99
18) Methyl Acetate	2.78	43	50562	21.046	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	132720	21.079	ug/l	100
20) Methylene Chloride	2.85	84	44650	19.969	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	41388	19.943	ug/l	98
22) Diisopropyl ether	3.85	45	122799	20.494	ug/l	97
23) Vinyl Acetate	3.81	43	530648	104.523	ug/l	99
24) 1,1-Dichloroethane	3.70	63	71072	20.424	ug/l	99
25) 2-Butanone	4.67	43	153732	101.504	ug/l	97
26) 2,2-Dichloropropane	4.59	77	57951	20.282	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	48980	20.393	ug/l	98
28) Bromochloromethane	5.02	49	31747	19.360	ug/l	98
29) Tetrahydrofuran	5.13	42	96664	100.758	ug/l	98
30) Chloroform	5.21	83	76366	20.303	ug/l	99
31) Cyclohexane	5.58	56	61724	19.460	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	66546	20.450	ug/l	99
36) 1,1-Dichloropropene	5.80	75	53652	20.260	ug/l	99
37) Ethyl Acetate	4.84	43	56783	20.940	ug/l	97
38) Carbon Tetrachloride	5.79	117	57988	21.014	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	68061	19.819	ug/l	99
40) Benzene	6.14	78	165992	20.463	ug/l	98
41) Methacrylonitrile	5.04	41	31566	20.506	ug/l	97
42) 1,2-Dichloroethane	6.19	62	61039	21.641	ug/l	99
43) Isopropyl Acetate	6.45	43	95161	21.342	ug/l	98
44) Trichloroethene	7.21	130	48967	20.393	ug/l	92
45) 1,2-Dichloropropane	7.51	63	42426	20.549	ug/l	99
46) Dibromomethane	7.66	93	31236	21.172	ug/l	99
47) Bromodichloromethane	7.90	83	55927	21.296	ug/l	97
48) Methyl methacrylate	7.77	41	45457	20.928	ug/l	97
49) 1,4-Dioxane	7.74	88	24693	406.408	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	307370	106.343	ug/l	100
52) Toluene	8.78	92	108590	20.377	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	58704	20.789	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	65135	20.729	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	46104	21.012	ug/l	99
56) Ethyl methacrylate	9.18	69	68757	21.422	ug/l	99
57) 1,3-Dichloropropane	9.37	76	73064	20.991	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	169571	110.677	ug/l	100
59) 2-Hexanone	9.49	43	241197	107.590	ug/l	100
60) Dibromochloromethane	9.58	129	46794	20.121	ug/l	98
61) 1,2-Dibromoethane	9.67	107	48950	21.021	ug/l	99
64) Tetrachloroethene	9.34	164	48044	20.515	ug/l	98
65) Chlorobenzene	10.13	112	123628	20.220	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	44970	20.927	ug/l	99
67) Ethyl Benzene	10.25	91	212432	20.412	ug/l	100
68) m/p-Xylenes	10.36	106	162240	40.640	ug/l	99
69) o-Xylene	10.69	106	80523	20.668	ug/l	98
70) Styrene	10.71	104	133409	20.541	ug/l	99
71) Bromoform	10.85	173	34133	19.105	ug/l #	99
73) Isopropylbenzene	11.02	105	212598	20.860	ug/l	100
74) N-amyl acetate	10.90	43	81548	20.941	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	71347	21.392	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	58395m	21.454	ug/l	
77) Bromobenzene	11.26	156	58686	20.876	ug/l	100
78) n-propylbenzene	11.36	91	237217	21.066	ug/l	99
79) 2-Chlorotoluene	11.42	91	140715	20.802	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	179783	21.111	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	19074	20.321	ug/l	95
82) 4-Chlorotoluene	11.51	91	164391	20.879	ug/l	100
83) tert-Butylbenzene	11.77	119	177891	21.266	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	180022	20.973	ug/l	100
85) sec-Butylbenzene	11.94	105	207393	21.159	ug/l	100
86) p-Isopropyltoluene	12.06	119	193071	21.307	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	100978	20.698	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	101711	20.328	ug/l	99
89) n-Butylbenzene	12.38	91	162534	20.966	ug/l	99
90) Hexachloroethane	12.60	117	29180	20.417	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	100837	20.856	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15587	22.357	ug/l	95

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ClientSampleId :
VX0722MBS01

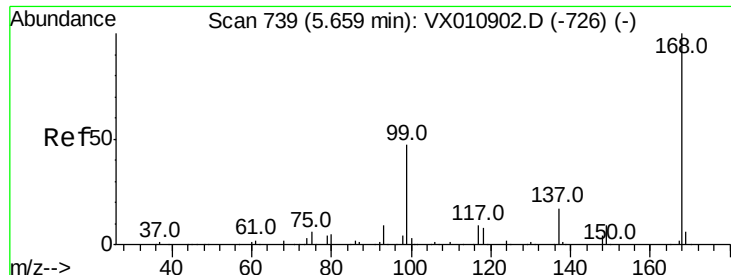
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	70007	21.365	ug/l	99
94) Hexachlorobutadiene	13.78	225	34369	21.166	ug/l	98
95) Naphthalene	13.83	128	207713	21.467	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	69927	21.448	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX011023.D

Acq: 22 Jul 2019 12:19

Instrument :

MSVOA_X

ClientSampleId :

VX0722MBS01

Tot Ion:168 Resp: 219584

Ion Ratio Lower Upper

168 100

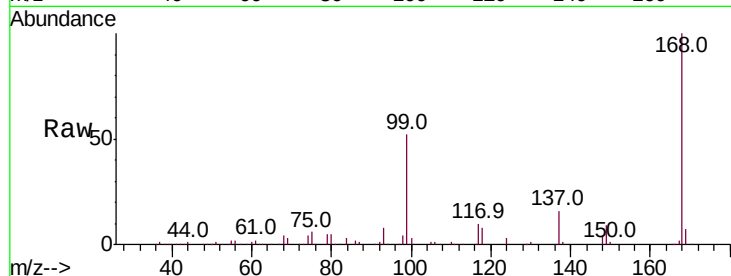
99 51.6 37.6 56.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

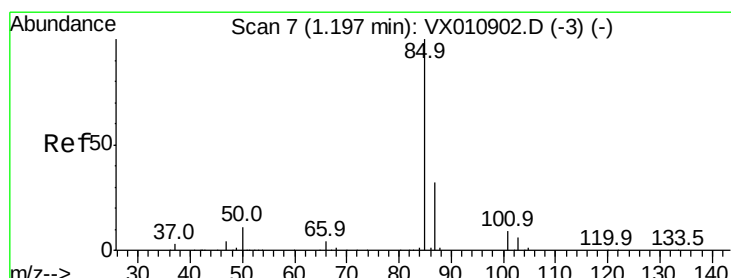
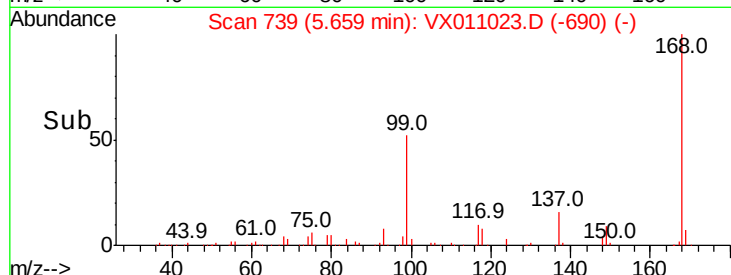
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.208 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX011023.D

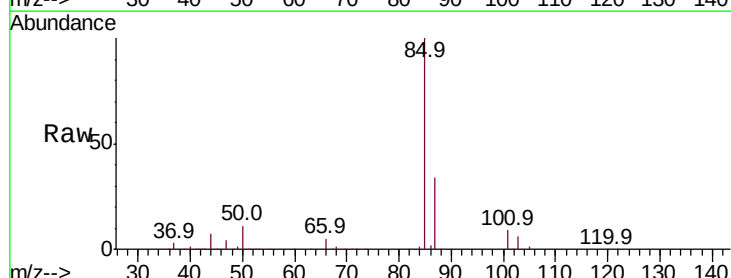
Acq: 22 Jul 2019 12:19

Tgt Ion: 85 Resp: 46545

Ion Ratio Lower Upper

85 100

87 33.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

50000

40000

30000

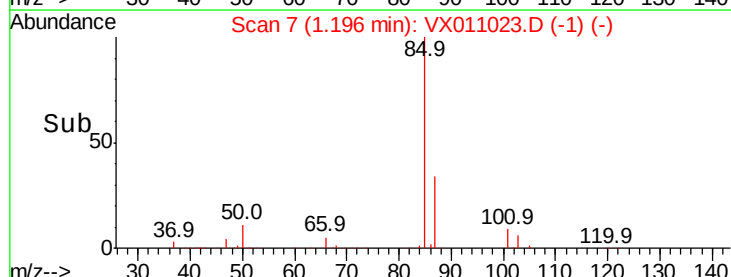
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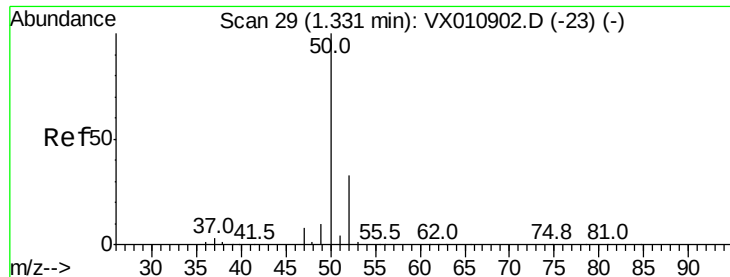
10000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 19.719 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX011023.D

Acq: 22 Jul 2019 12:19

Instrument :

MSVOA_X

ClientSampleId :

VX0722MBS01

Tot Ion: 50 Resp: 39819

Ion Ratio Lower Upper

50 100

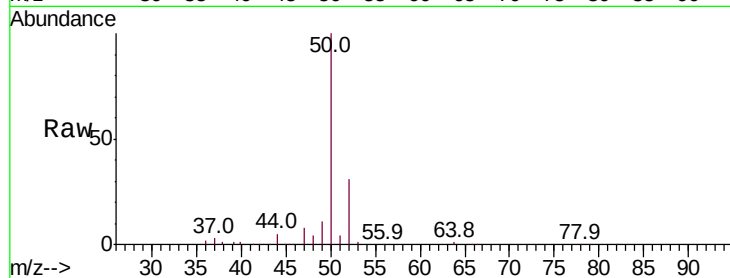
52 31.3 26.4 39.6

Manual Integrations

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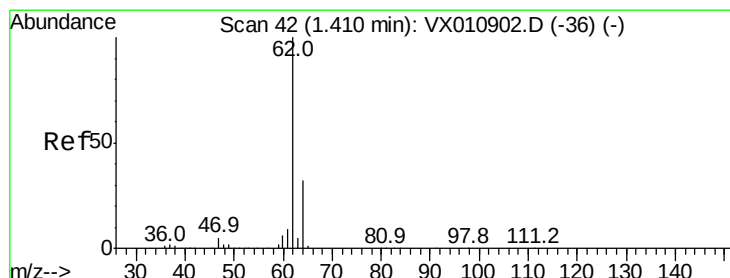
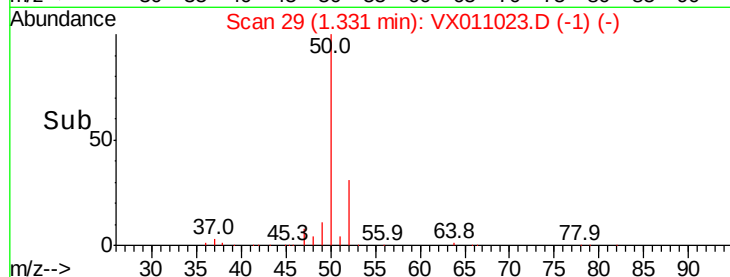
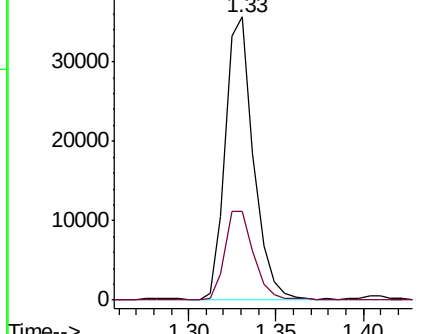
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.535 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX011023.D

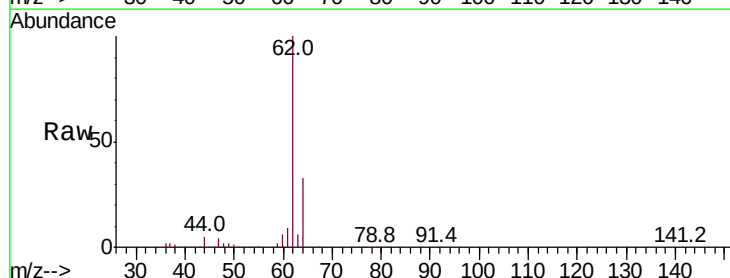
Acq: 22 Jul 2019 12:19

Tgt Ion: 62 Resp: 42295

Ion Ratio Lower Upper

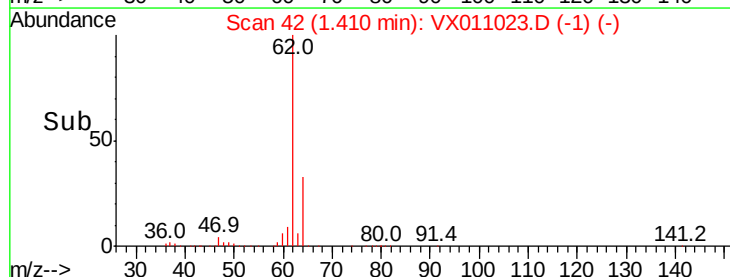
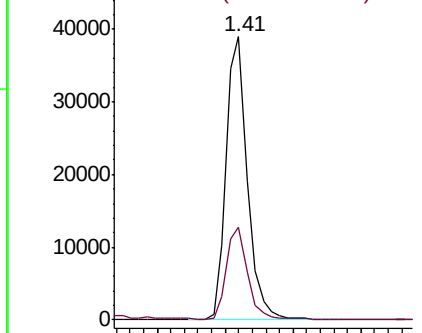
62 100

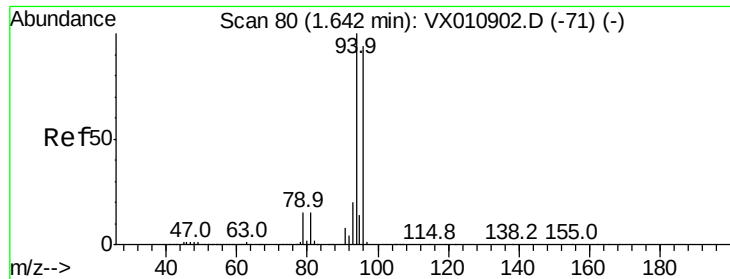
64 32.3 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 20.877 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX011023.D

Acq: 22 Jul 2019 12:19

Instrument :

MSVOA_X

ClientSampleId :

VX0722MBS01

Tot Ion: 94 Resp: 24231

Ion Ratio Lower Upper

94 100

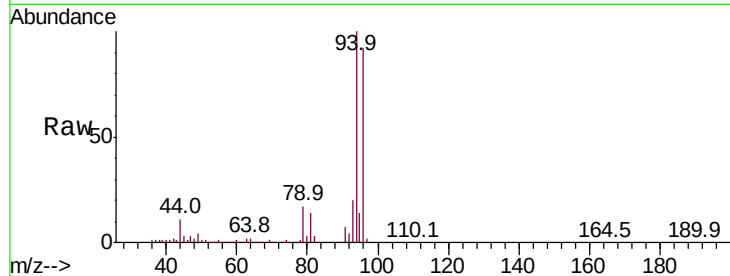
96 92.3 75.6 113.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

25000

20000

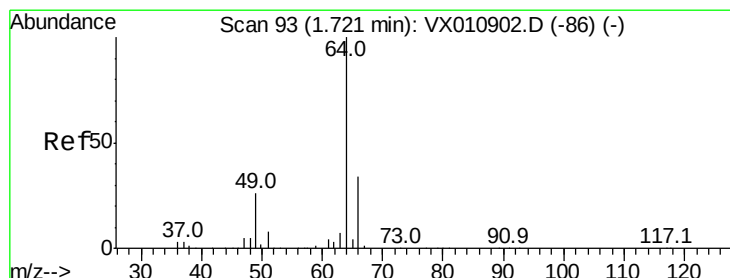
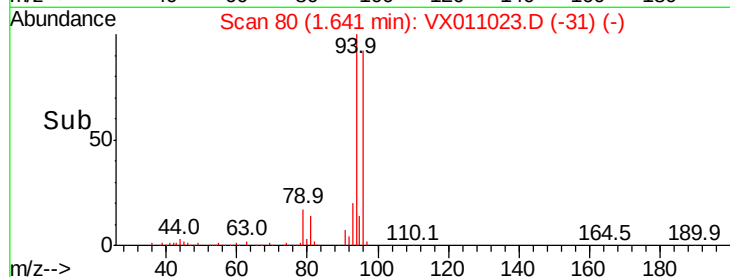
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 20.008 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX011023.D

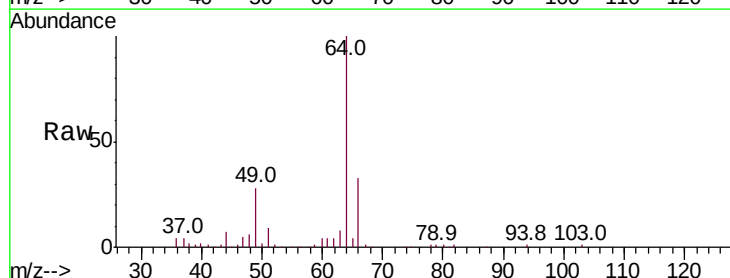
Acq: 22 Jul 2019 12:19

Tgt Ion: 64 Resp: 26189

Ion Ratio Lower Upper

64 100

66 33.3 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

20000

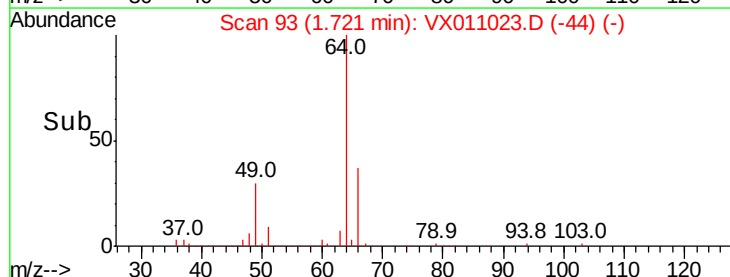
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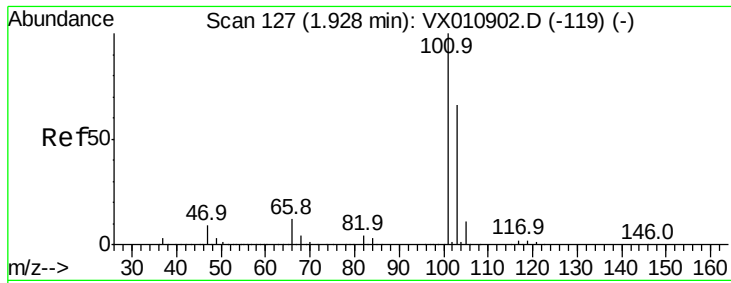
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5000

0

Time-->





#7

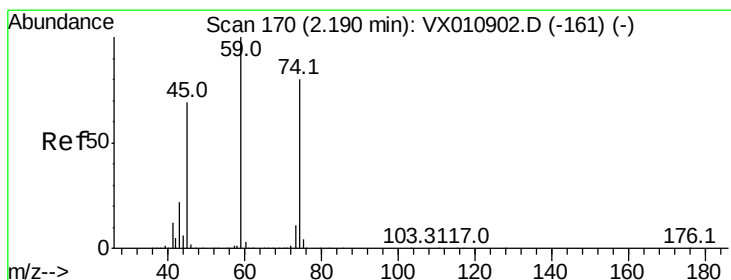
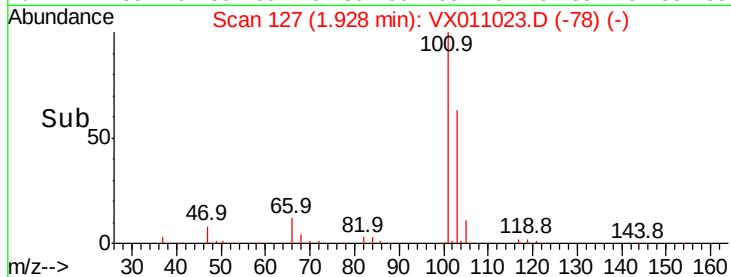
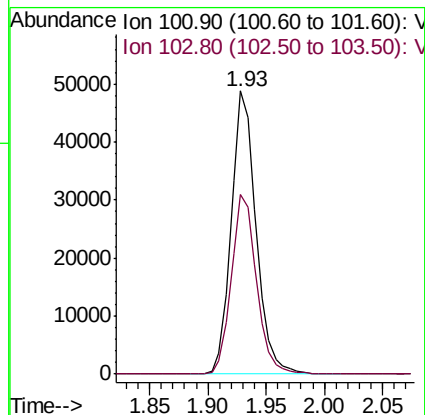
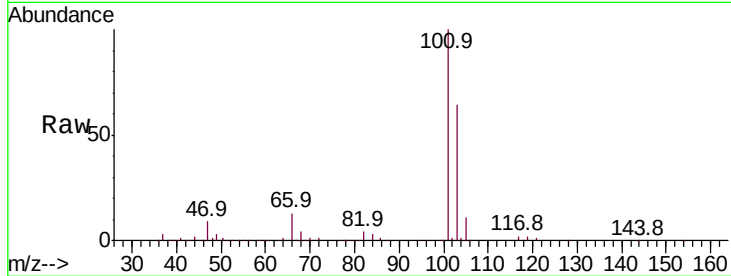
Trichlorofluoromethane
Concen: 20.752 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX011023.D
Acq: 22 Jul 2019 12:19

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ClientSampleId :
VX0722MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	52.6	78.8

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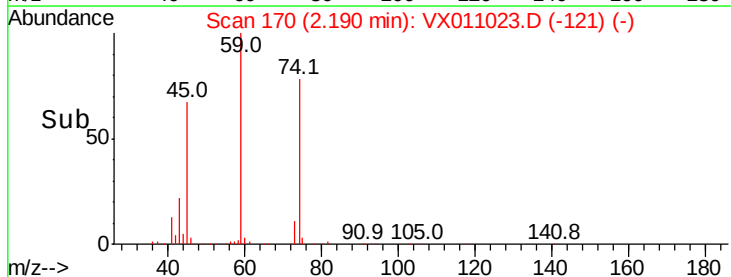
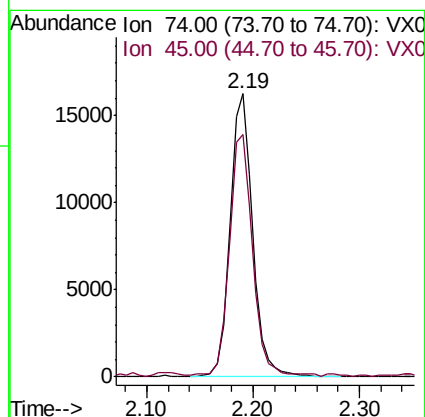
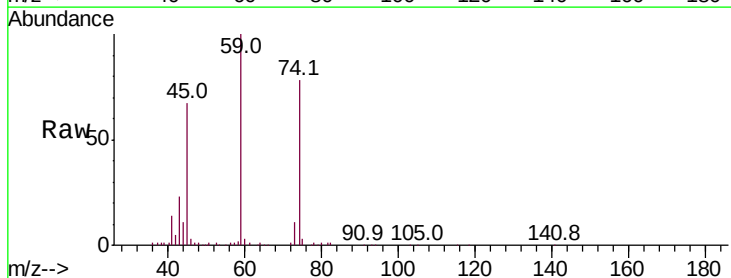
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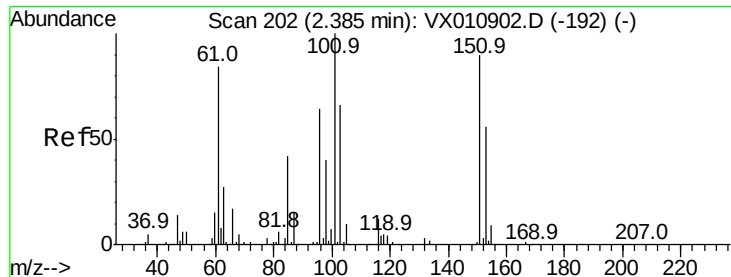


#8

Diethyl Ether
Concen: 20.047 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX011023.D
Acq: 22 Jul 2019 12:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	85.5	45.5	136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.670 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX011023.D

Acq: 22 Jul 2019 12:19

Instrument :

MSVOA_X

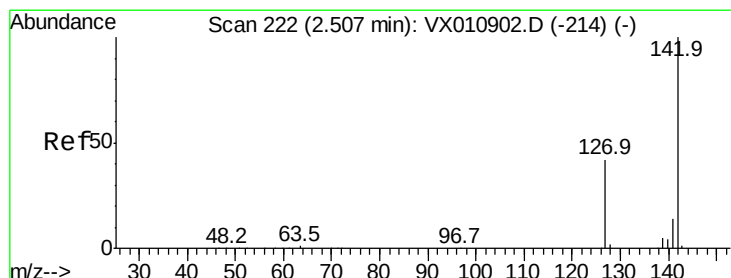
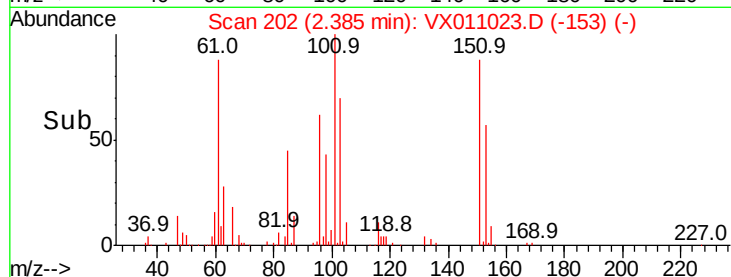
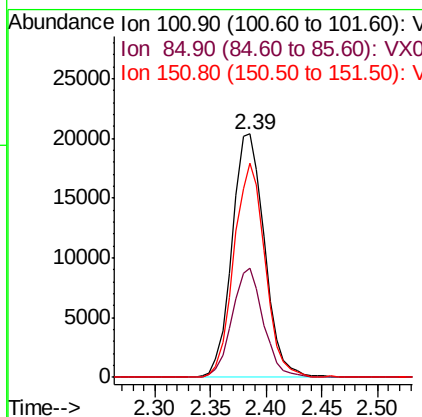
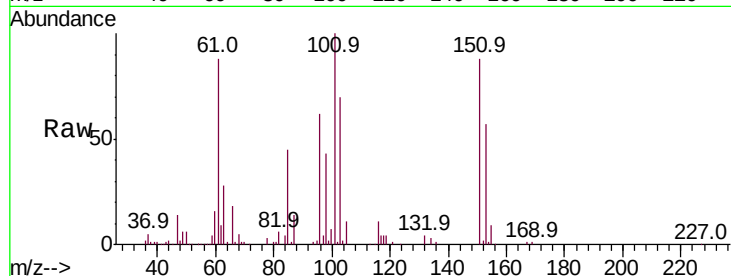
ClientSampleId :

VX0722MBS01

Tot Ion:	101	Resp:	41147
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.6	52.0
151	84.4	69.6	104.4

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#10

Methyl Iodide

Concen: 18.156 ug/l

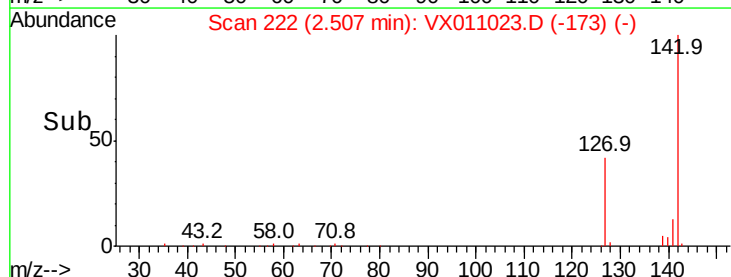
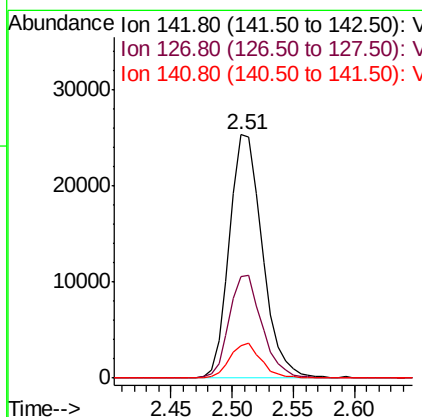
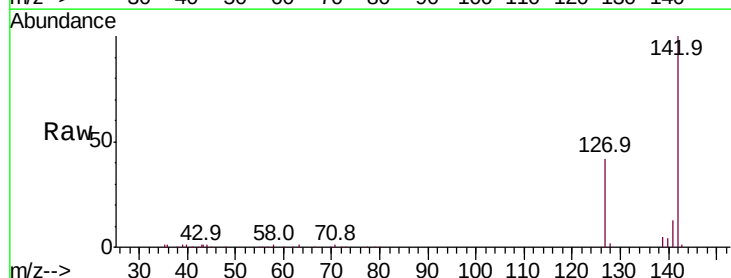
RT: 2.51 min Scan# 222

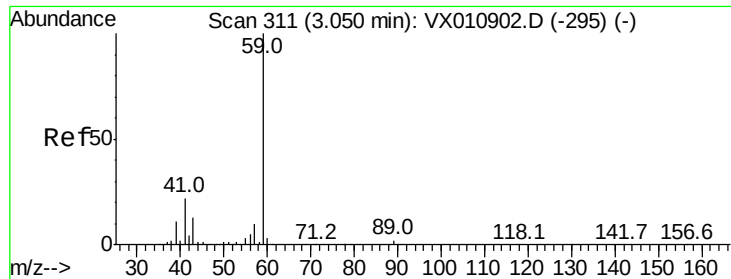
Delta R.T. -0.00 min

Lab File: VX011023.D

Acq: 22 Jul 2019 12:19

Tgt Ion:	142	Resp:	47430
Ion Ratio	Lower	Upper	
142	100		
127	42.2	34.2	51.4
141	13.6	11.7	17.5





#11

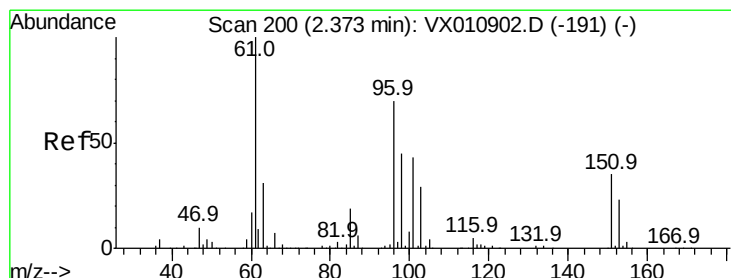
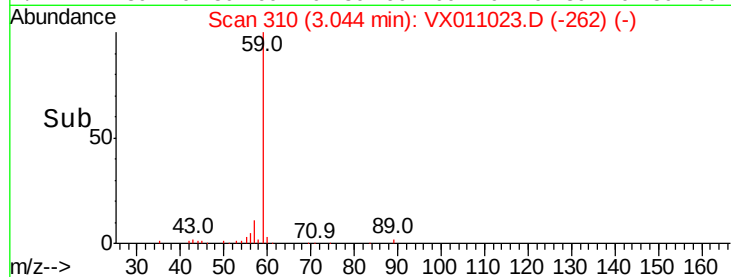
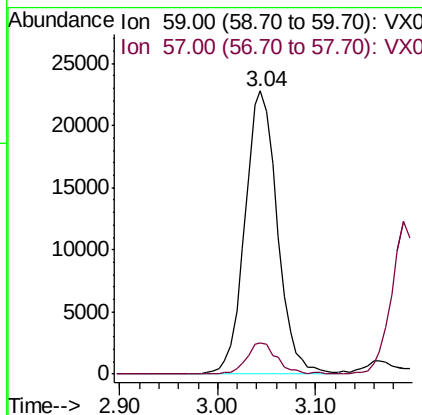
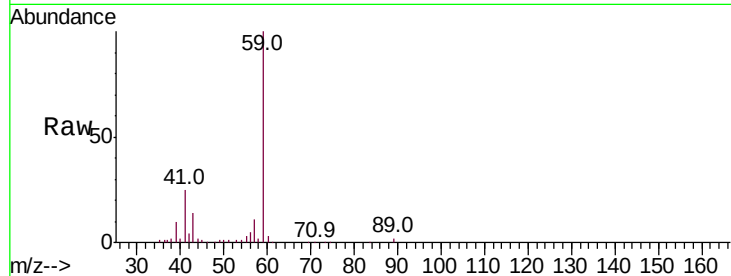
Tert butyl alcohol
Concen: 96.349 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX011023.D
Acq: 22 Jul 2019 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0722MBS01

Tot Ion: 59 Resp: 52418
Ion Ratio Lower Upper
59 100
57 10.5 7.9 11.9

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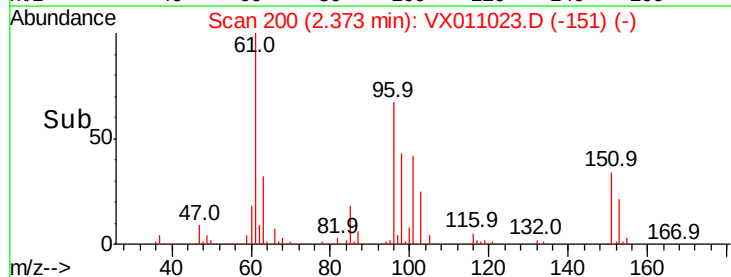
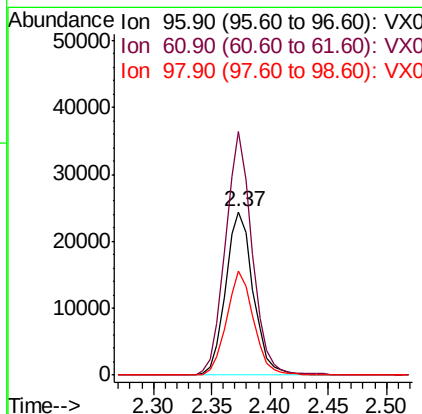
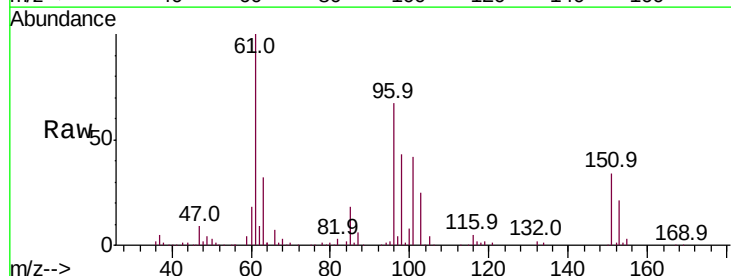
MMDadoda
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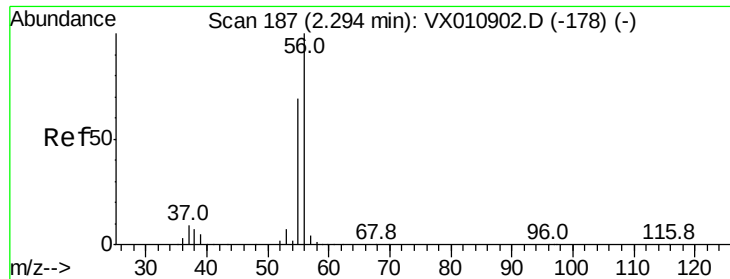


#12

1,1-Dichloroethene
Concen: 20.507 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX011023.D
Acq: 22 Jul 2019 12:19

Tgt Ion: 96 Resp: 40110
Ion Ratio Lower Upper
96 100
61 149.2 115.0 172.4
98 64.1 52.2 78.2





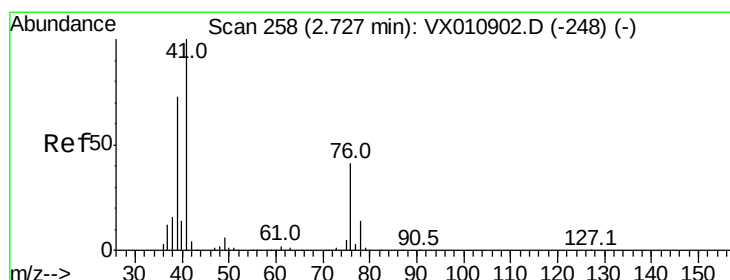
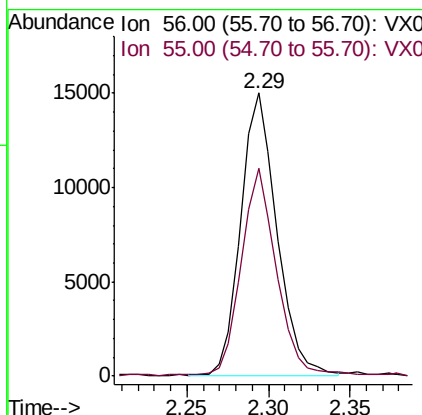
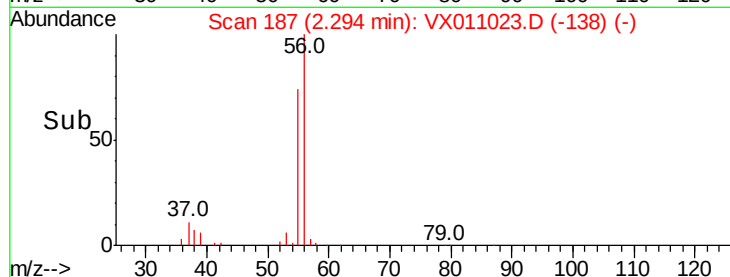
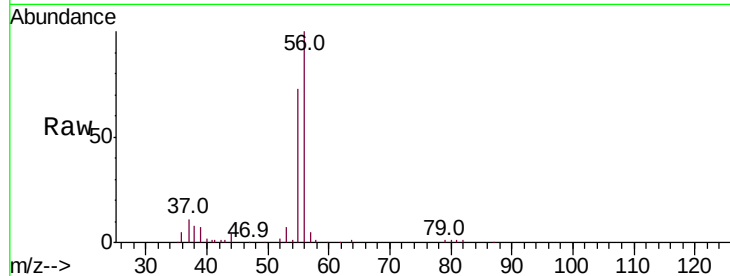
#13
Acrolein
Concen: 74.142 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX011023.D
Acq: 22 Jul 2019 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0722MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.0	55.9	83.9

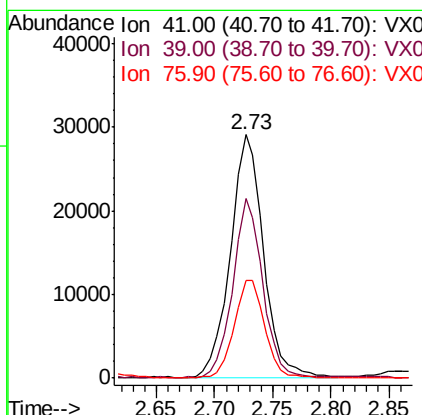
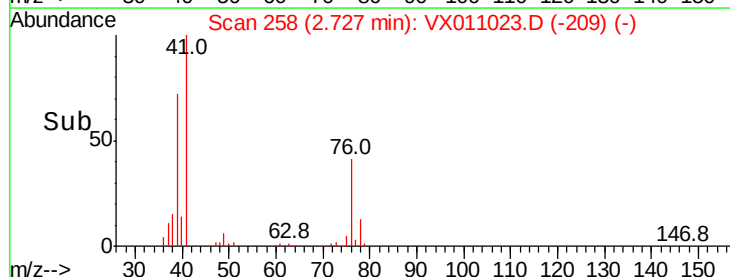
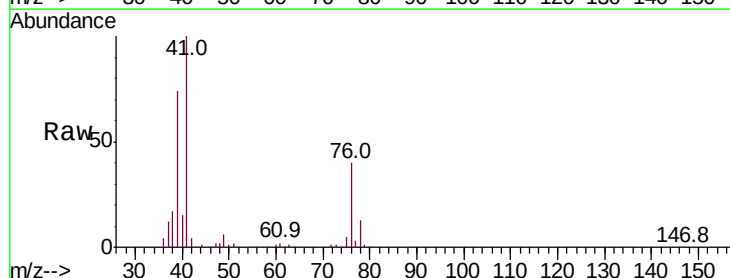
Manual Integrations
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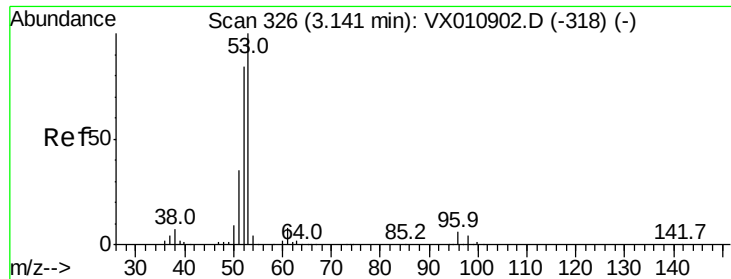
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#14
Allyl chloride
Concen: 20.125 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX011023.D
Acq: 22 Jul 2019 12:19

Tgt Ion	Ratio	Lower	Upper
41	100		
39	68.3	53.6	80.4
76	38.0	29.7	44.5





#15

Acrylonitrile

Concen: 102.082 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX011023.D

Acq: 22 Jul 2019 12:19

Instrument :

MSVOA_X

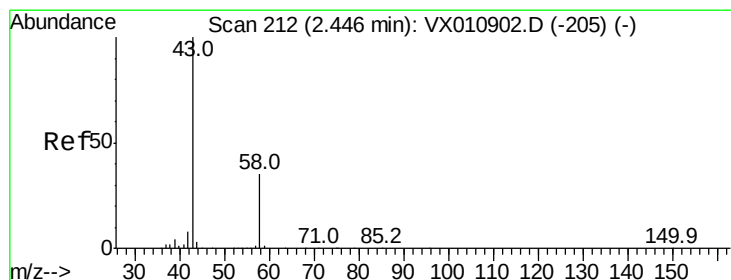
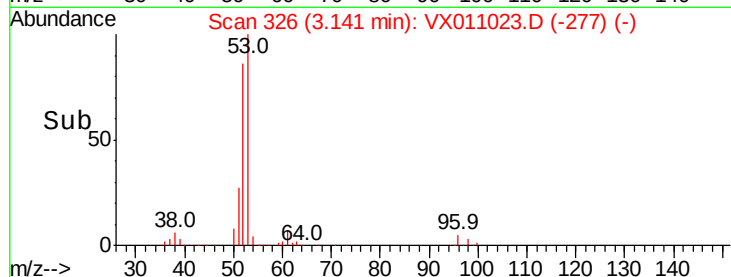
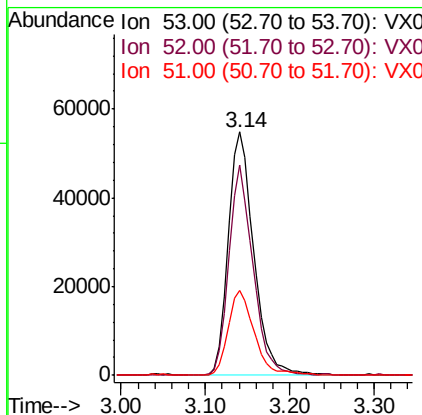
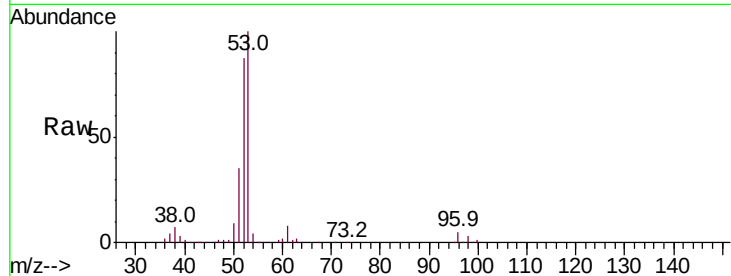
ClientSampleId :

VX0722MBS01

Tot Ion:	53	Resp:	112223
Ion Ratio	Lower	Upper	
53	100		
52	82.2	66.5	99.7
51	36.2	28.2	42.4

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#16

Acetone

Concen: 95.941 ug/l

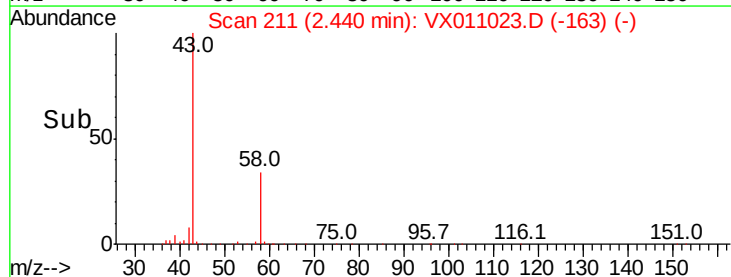
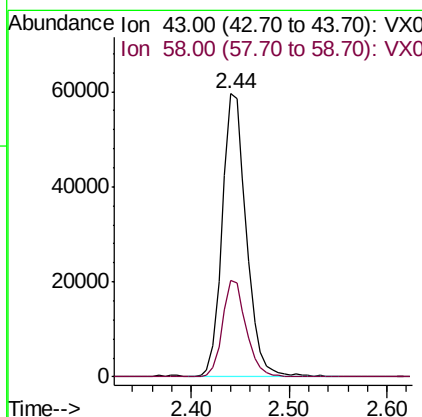
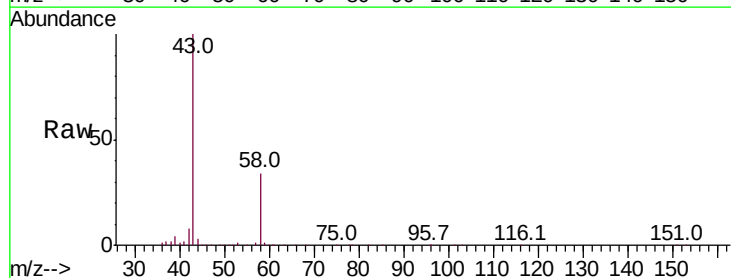
RT: 2.44 min Scan# 211

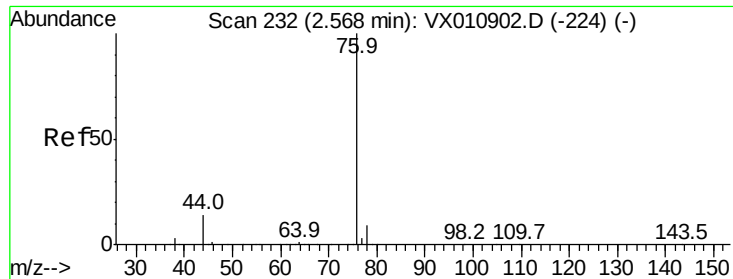
Delta R.T. -0.01 min

Lab File: VX011023.D

Acq: 22 Jul 2019 12:19

Tgt Ion:	43	Resp:	101224
Ion Ratio	Lower	Upper	
43	100		
58	34.1	27.7	41.5





#17

Carbon Disulfide

Concen: 18.433 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX011023.D

Acq: 22 Jul 2019 12:19

Instrument :

MSVOA_X

ClientSampleId :

VX0722MBS01

Tot Ion: 76 Resp: 92479

Ion Ratio Lower Upper

76 100

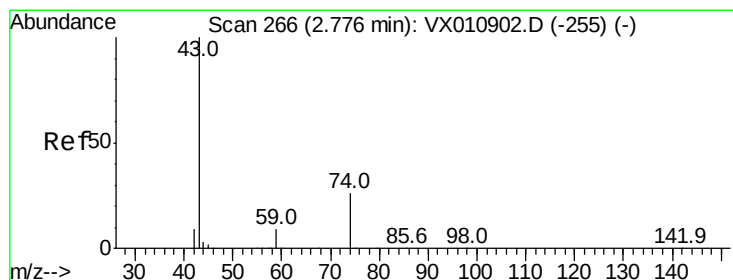
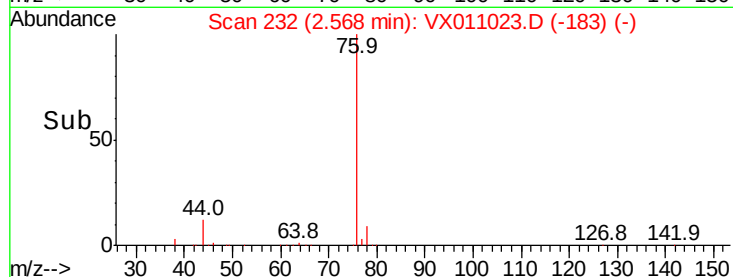
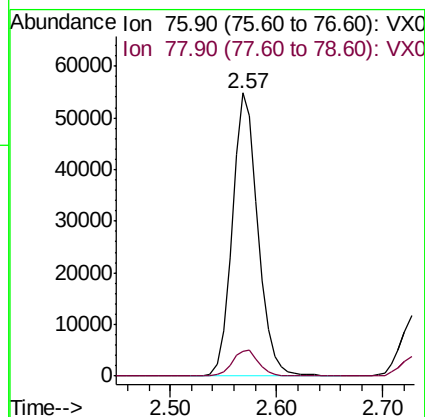
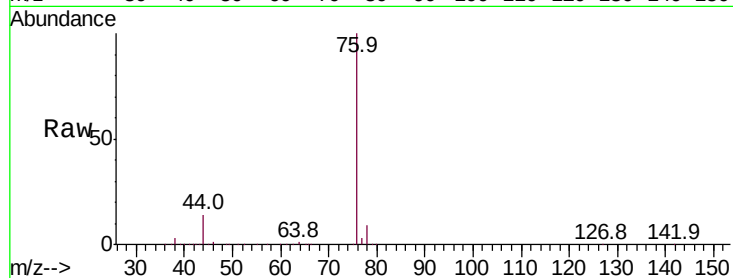
78 8.8 7.4 11.0

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#18

Methyl Acetate

Concen: 21.046 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX011023.D

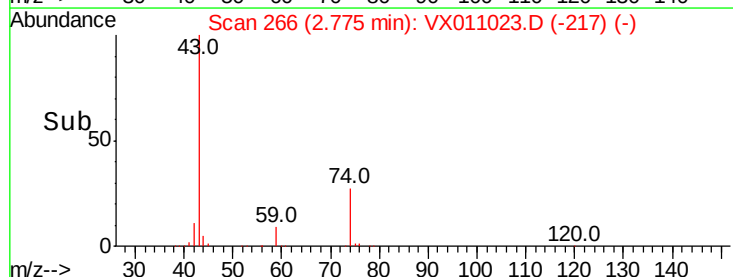
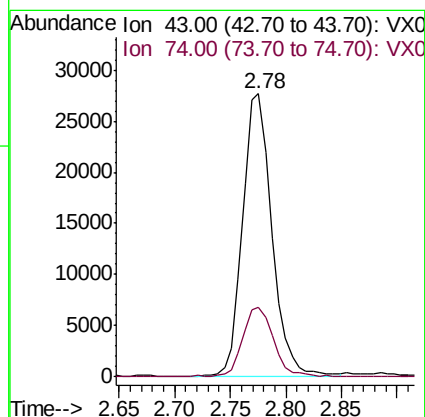
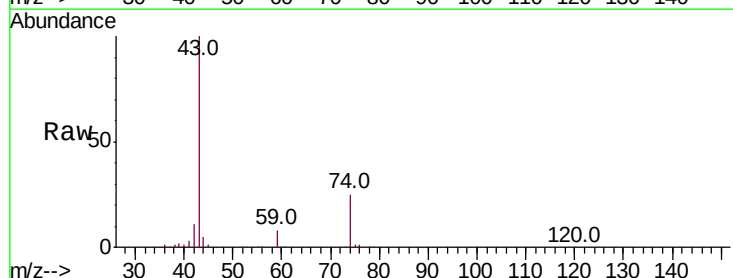
Acq: 22 Jul 2019 12:19

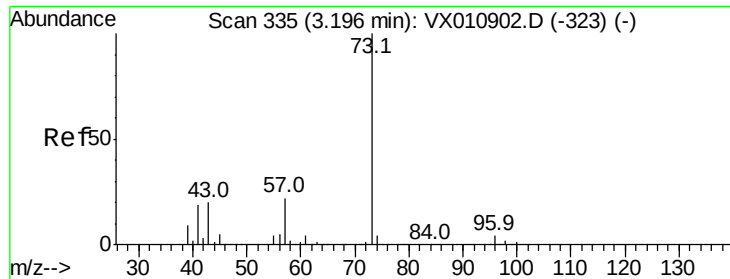
Tgt Ion: 43 Resp: 50562

Ion Ratio Lower Upper

43 100

74 26.0 21.5 32.3





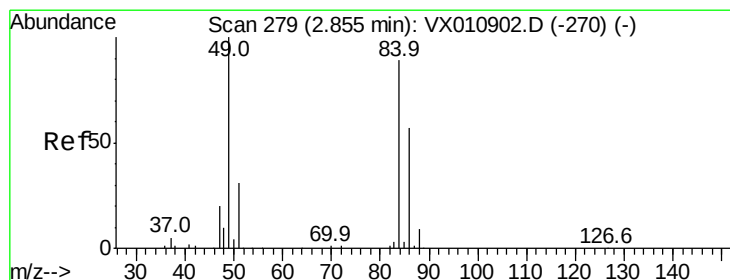
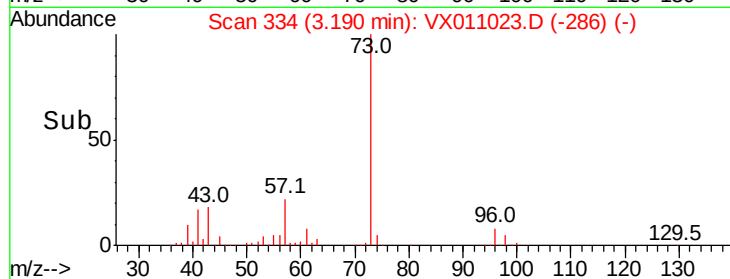
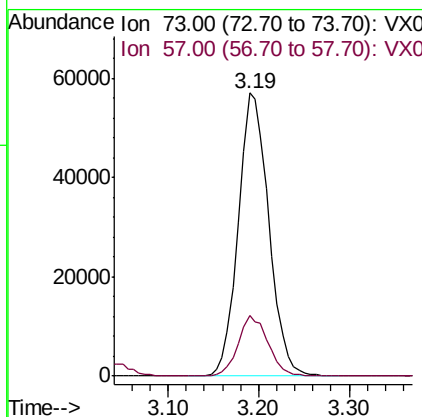
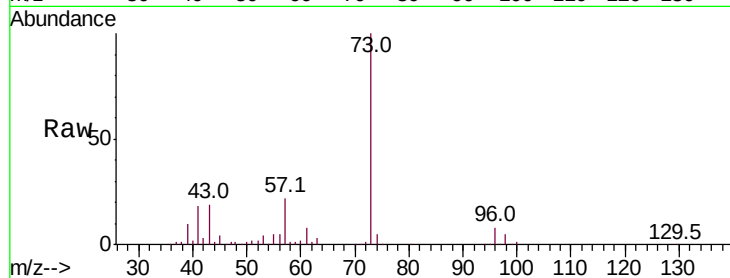
#19
Methyl tert-butyl Ether
Concen: 21.079 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX011023.D
Acq: 22 Jul 2019 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0722MBS01

Tot Ion: 73 Resp: 132720
Ion Ratio Lower Upper
73 100
57 21.5 17.3 25.9

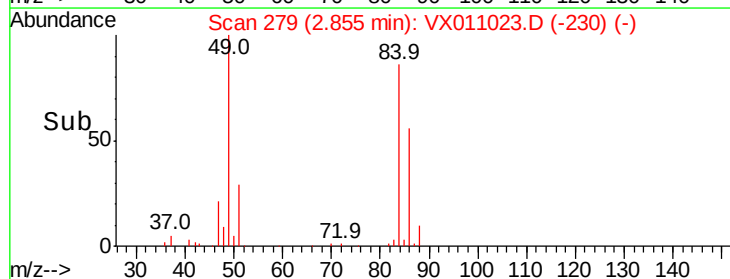
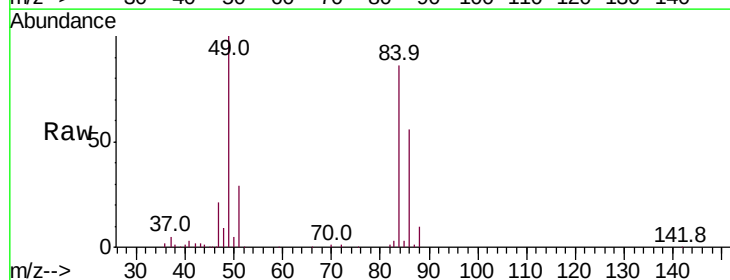
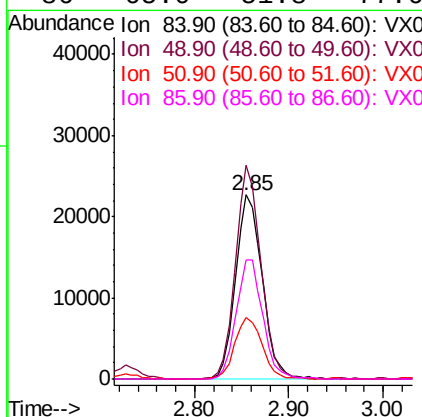
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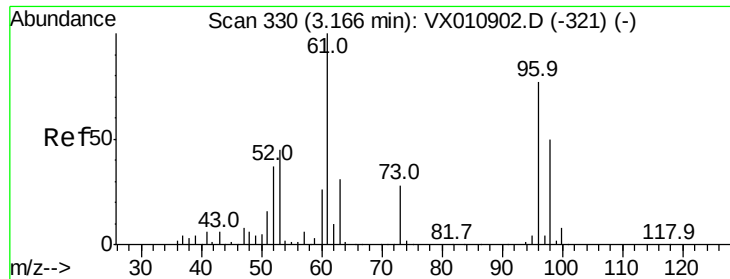
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#20
Methylene Chloride
Concen: 19.969 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX011023.D
Acq: 22 Jul 2019 12:19

Tgt Ion: 84 Resp: 44650
Ion Ratio Lower Upper
84 100
49 115.9 89.9 134.9
51 33.7 27.8 41.6
86 65.0 51.8 77.6





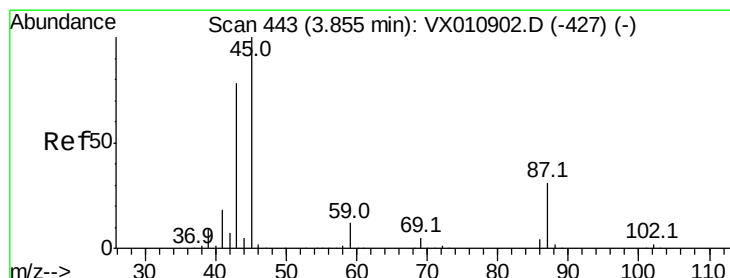
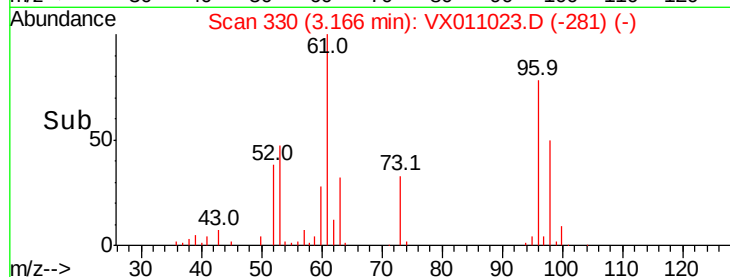
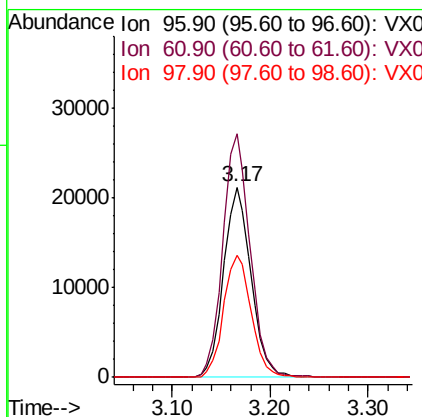
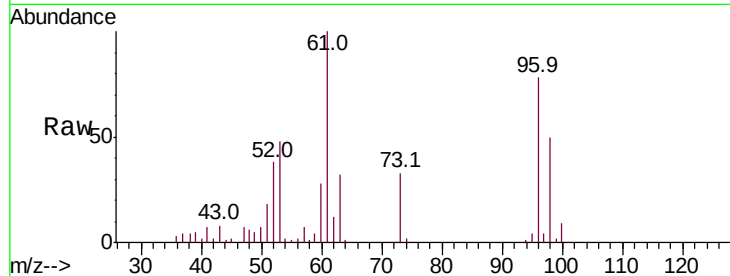
#21
trans-1,2-Dichloroethene
Concen: 19.943 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX011023.D
Acq: 22 Jul 2019 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0722MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.1	104.2	156.2
98	64.2	52.2	78.4

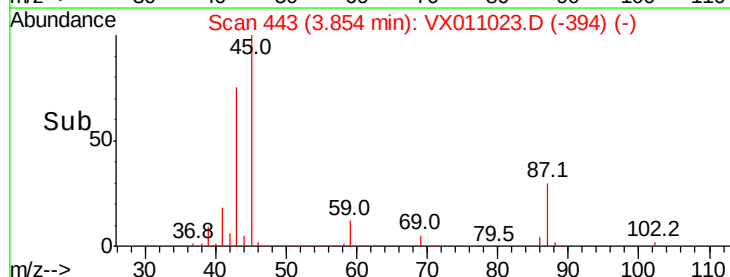
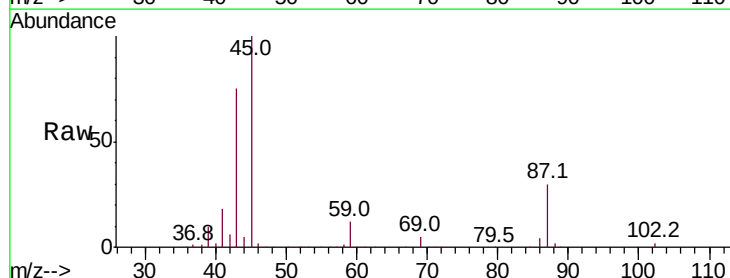
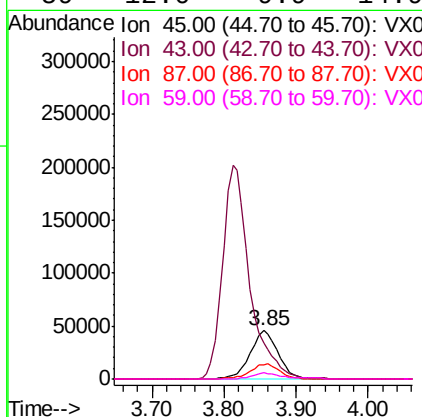
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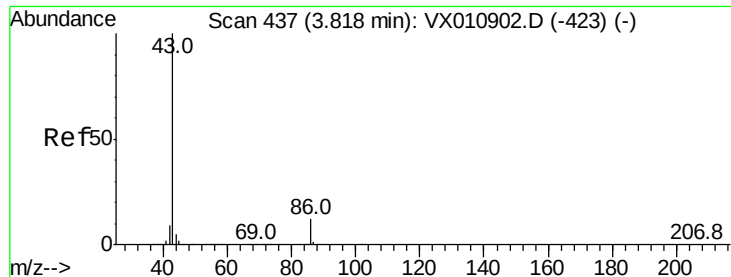
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#22
Diisopropyl ether
Concen: 20.494 ug/l
RT: 3.85 min Scan# 443
Delta R.T. -0.00 min
Lab File: VX011023.D
Acq: 22 Jul 2019 12:19

Tgt Ion	Ratio	Lower	Upper
45	100		
43	75.0	62.3	93.5
87	29.5	25.0	37.4
59	12.0	9.9	14.9





#23

Vinyl Acetate

Concen: 104.523 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX011023.D

Acq: 22 Jul 2019 12:19

Instrument :

MSVOA_X

ClientSampleId :

VX0722MBS01

Tot Ion: 43 Resp: 530648

Ion Ratio Lower Upper

43 100

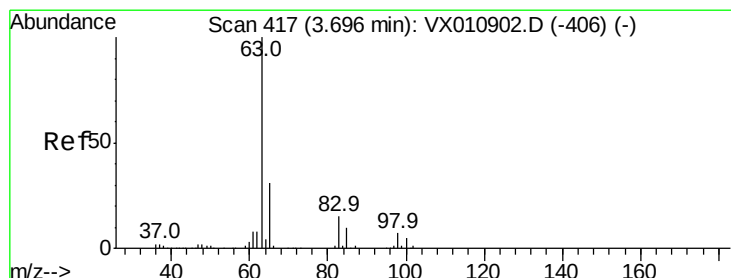
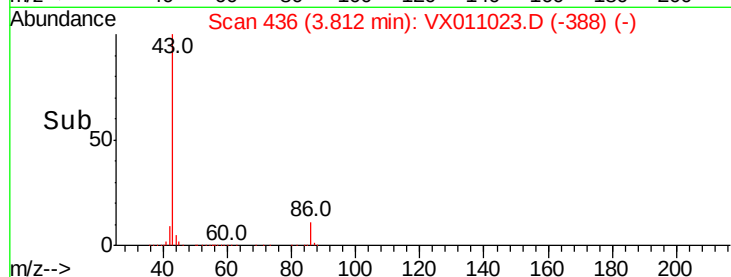
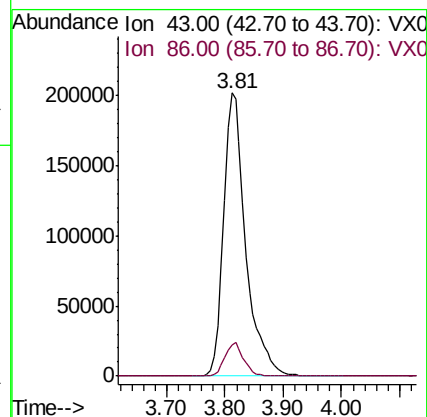
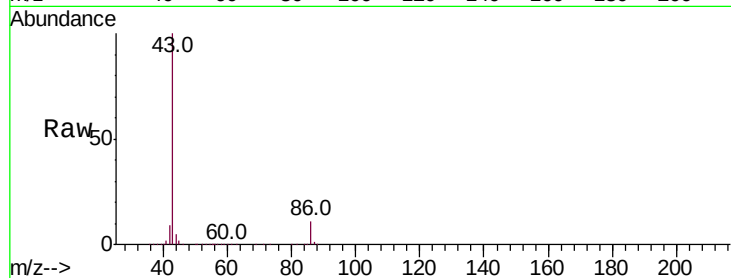
86 11.2 9.4 14.0

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#24

1,1-Dichloroethane

Concen: 20.424 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX011023.D

Acq: 22 Jul 2019 12:19

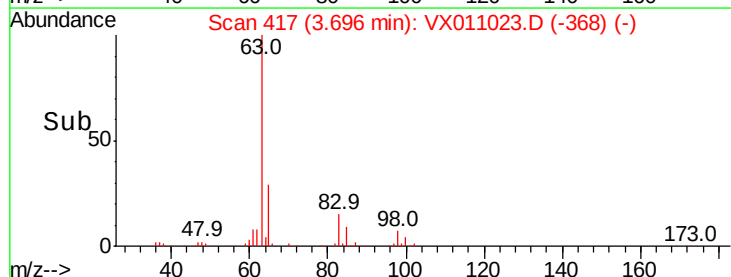
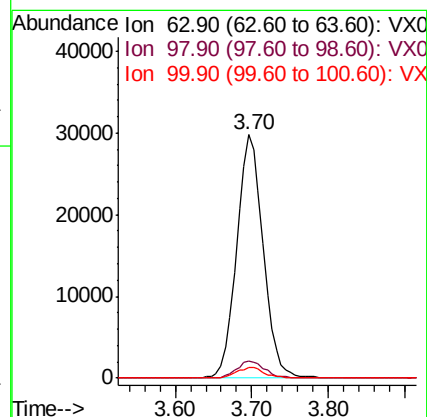
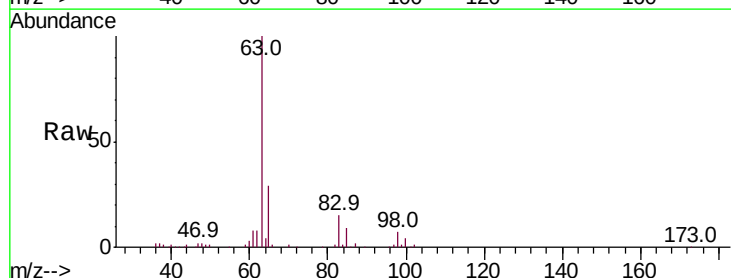
Tgt Ion: 63 Resp: 71072

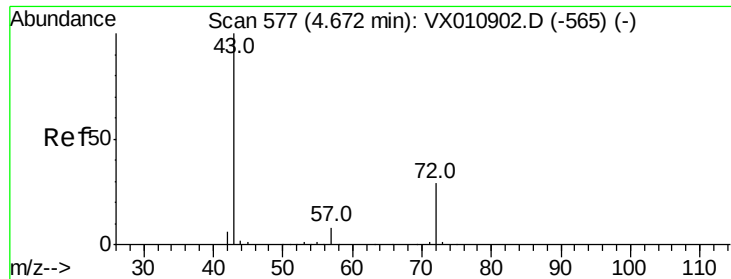
Ion Ratio Lower Upper

63 100

98 7.1 3.6 10.9

100 4.4 2.4 7.2





#25

2-Butanone

Concen: 101.504 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX011023.D

Acq: 22 Jul 2019 12:19

Instrument :

MSVOA_X

ClientSampleId :

VX0722MBS01

Tot Ion: 43 Resp: 153732

Ion Ratio Lower Upper

43 100

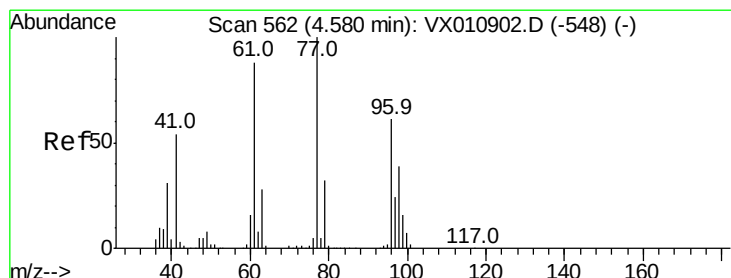
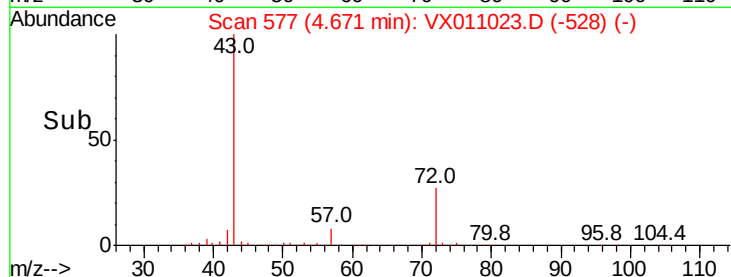
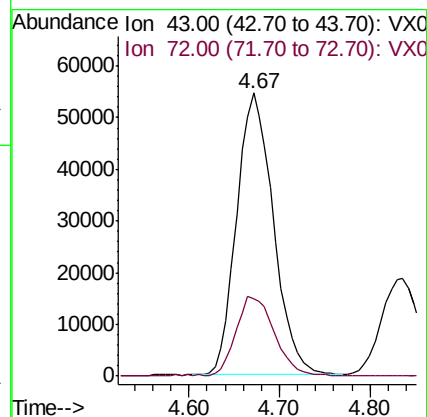
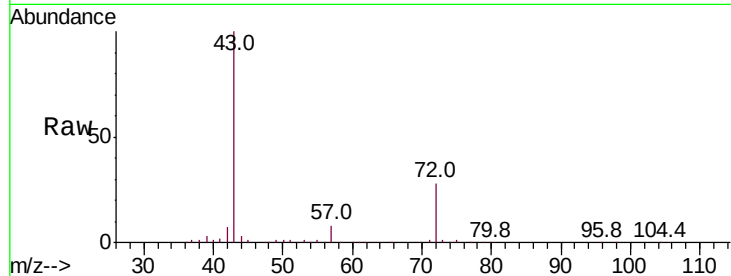
72 27.4 23.0 34.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.282 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX011023.D

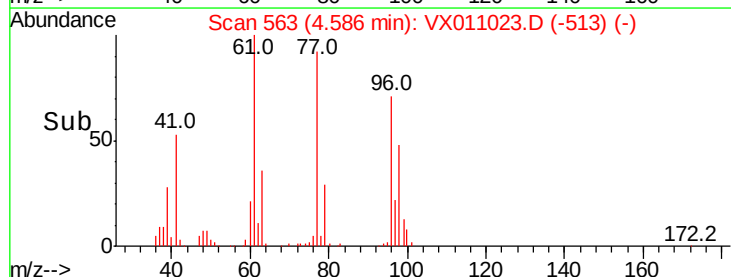
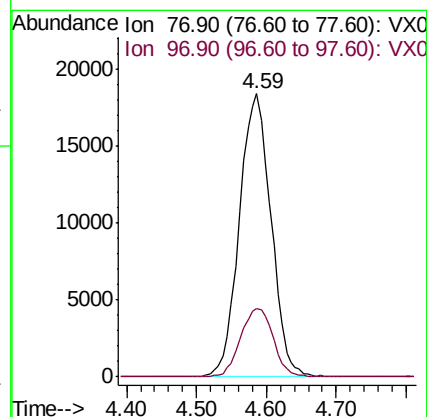
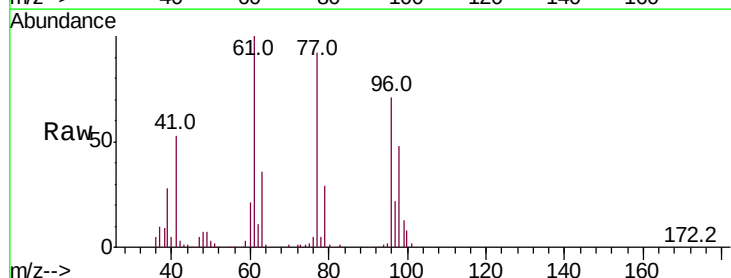
Acq: 22 Jul 2019 12:19

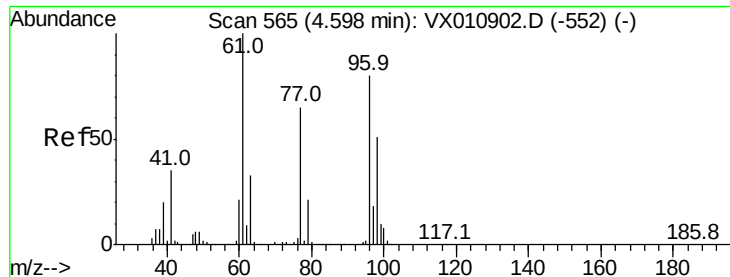
Tgt Ion: 77 Resp: 57951

Ion Ratio Lower Upper

77 100

97 24.9 12.6 37.6





#27

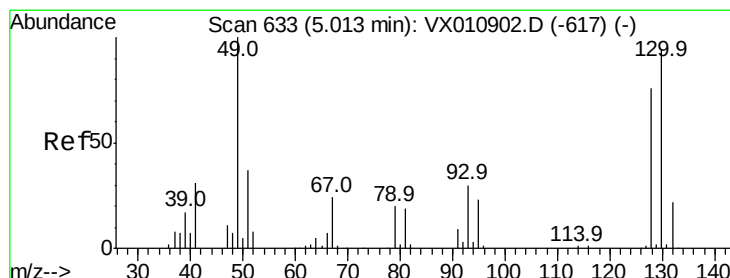
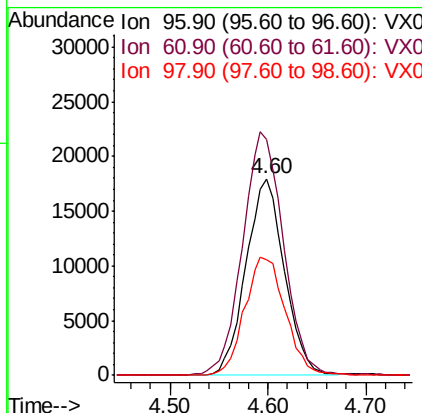
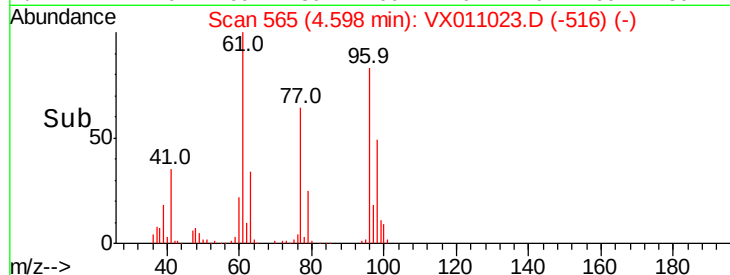
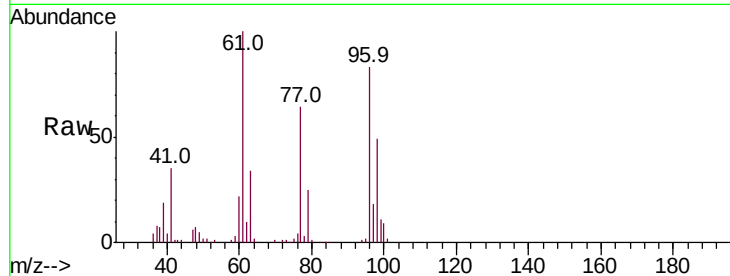
cis-1,2-Dichloroethene
Concen: 20.393 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX011023.D
Acq: 22 Jul 2019 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0722MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.0	0.0	269.0
98	63.9	0.0	131.4

Manual Integrations
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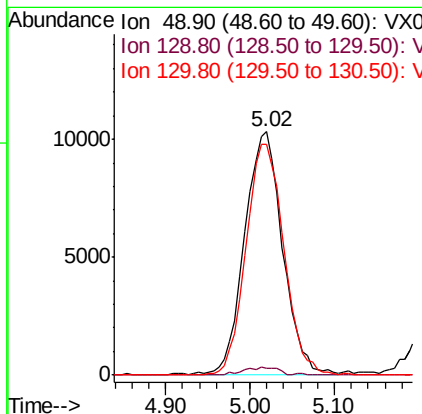
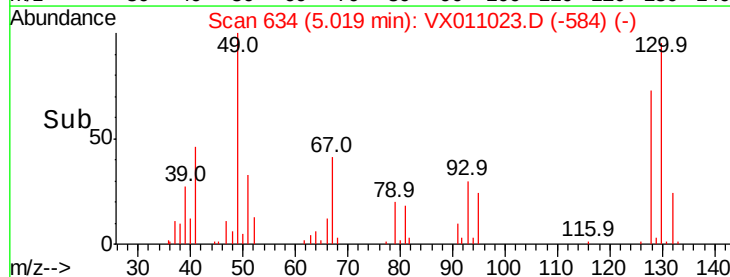
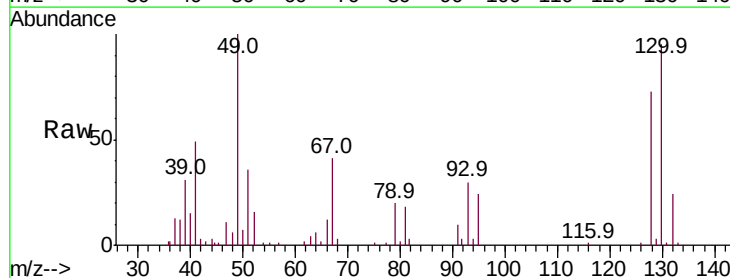
MMDadoda
7/23/2019 11:11:18 AM

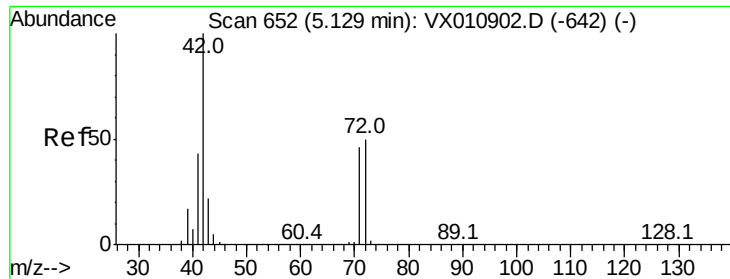


#28

Bromochloromethane
Concen: 19.360 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX011023.D
Acq: 22 Jul 2019 12:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.2
130	94.5	76.9	115.3





#29

Tetrahydrofuran

Concen: 100.758 ug/l

RT: 5.13 min Scan# 652

Delta R.T. -0.00 min

Lab File: VX011023.D

Acq: 22 Jul 2019 12:19

Instrument :

MSVOA_X

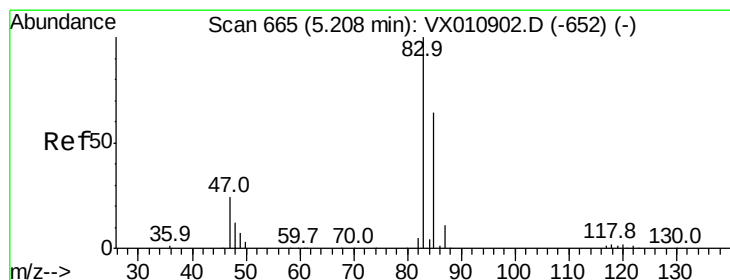
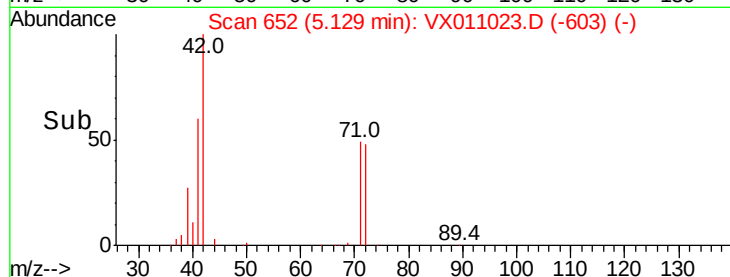
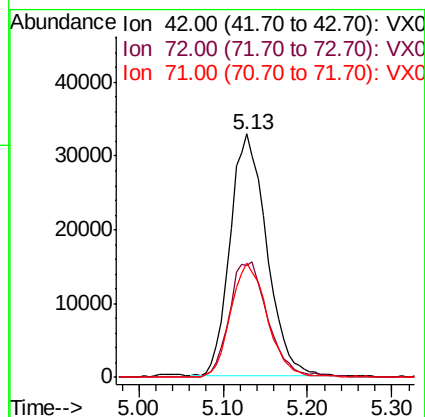
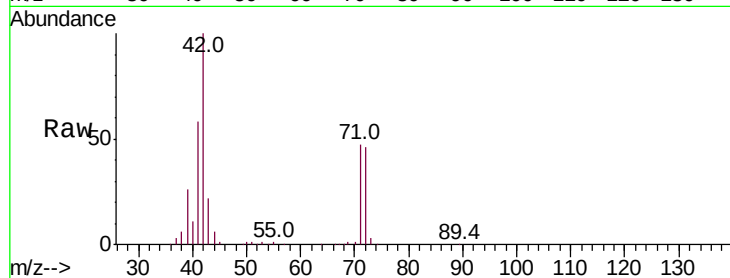
ClientSampleId :

VX0722MBS01

Tot Ion:	42	Resp:	96664
Ion	Ratio	Lower	Upper
42	100		
72	50.7	39.8	59.8
71	47.7	37.0	55.4

Manual Integrations
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7/23/2019 11:11:18 AM



#30

Chloroform

Concen: 20.303 ug/l

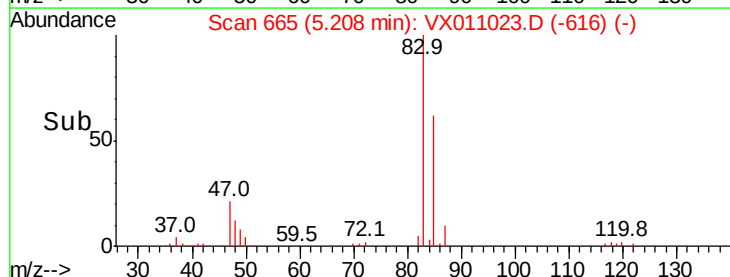
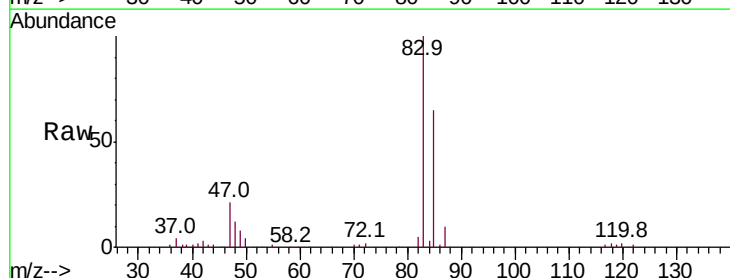
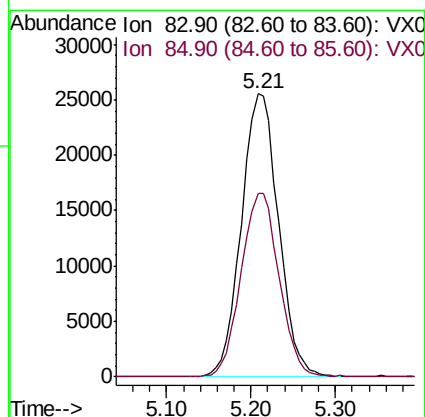
RT: 5.21 min Scan# 665

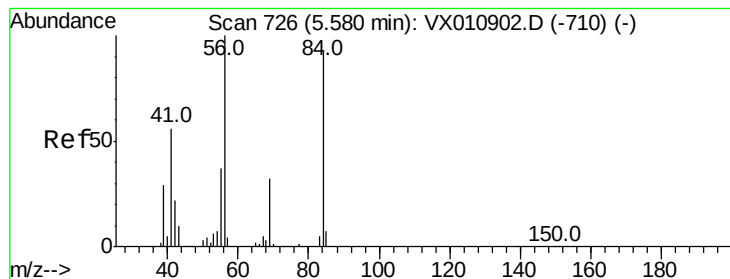
Delta R.T. -0.00 min

Lab File: VX011023.D

Acq: 22 Jul 2019 12:19

Tgt Ion:	83	Resp:	76366
Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.4	77.0





#31

Cyclohexane

Concen: 19.460 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX011023.D

Acq: 22 Jul 2019 12:19

Instrument :

MSVOA_X

ClientSampleId :

VX0722MBS01

Tot Ion: 56 Resp: 61724

Ion Ratio Lower Upper

56 100

69 32.4 25.8 38.8

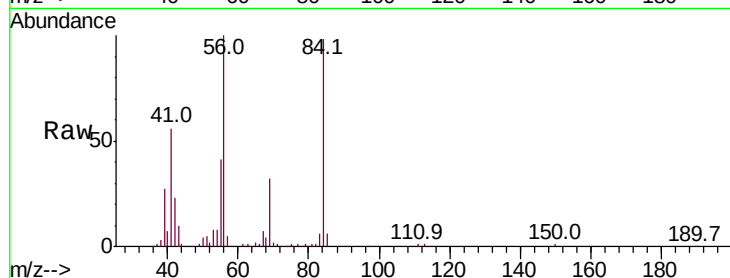
84 96.7 73.8 110.6

Manual Integrations

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MMDadoda

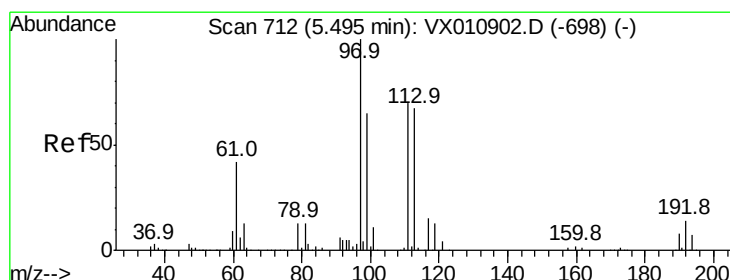
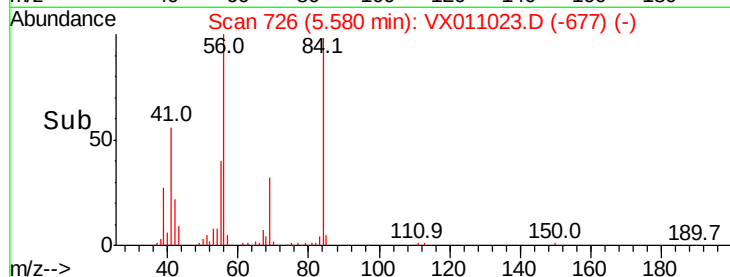
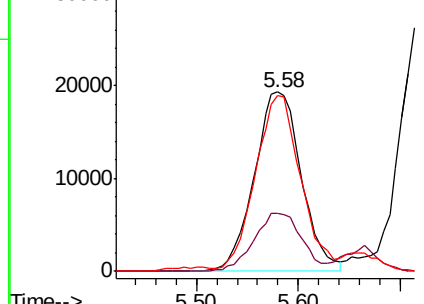
7/23/2019 11:11:18 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 20.450 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX011023.D

Acq: 22 Jul 2019 12:19

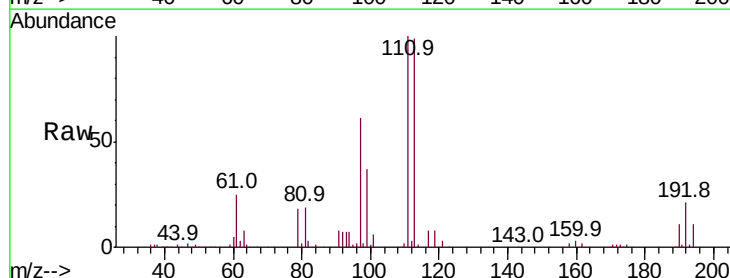
Tgt Ion: 97 Resp: 66546

Ion Ratio Lower Upper

97 100

99 65.1 51.4 77.0

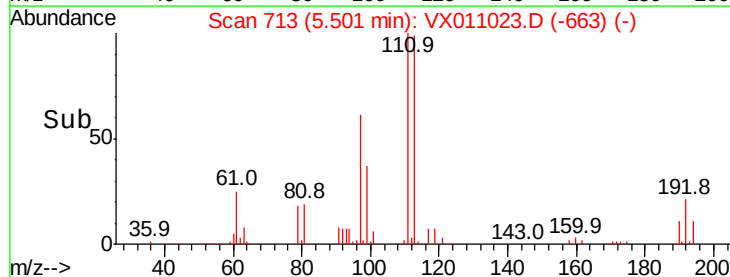
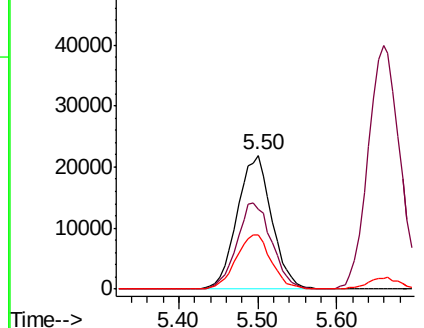
61 41.6 33.0 49.6

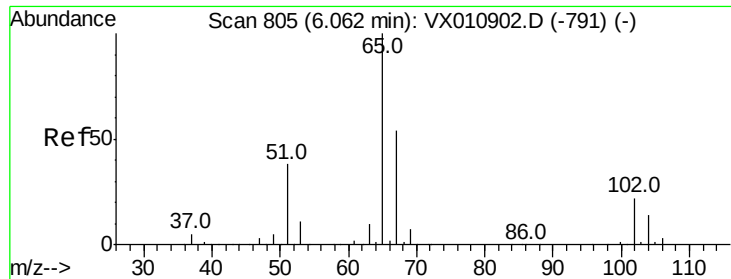


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





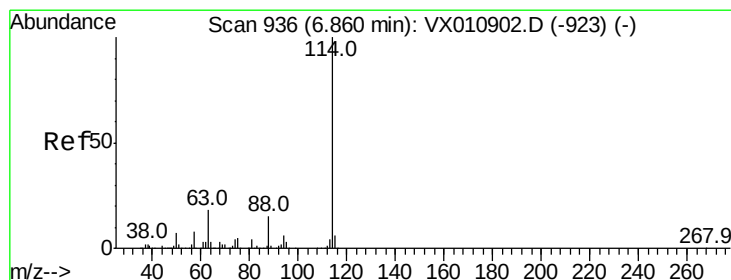
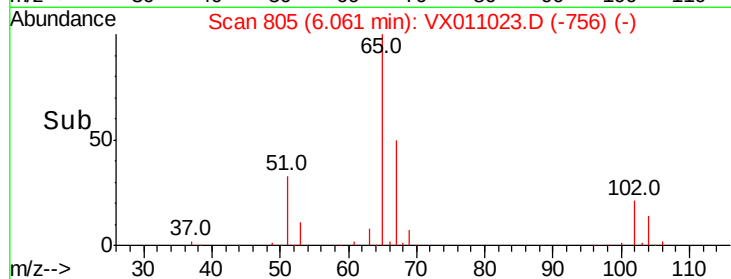
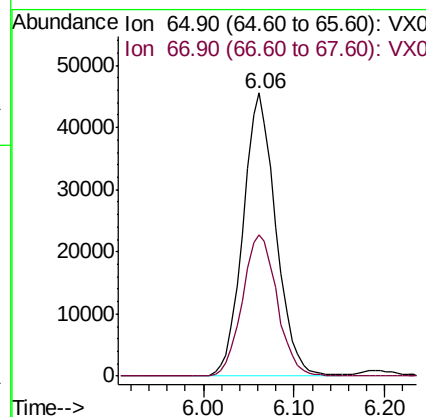
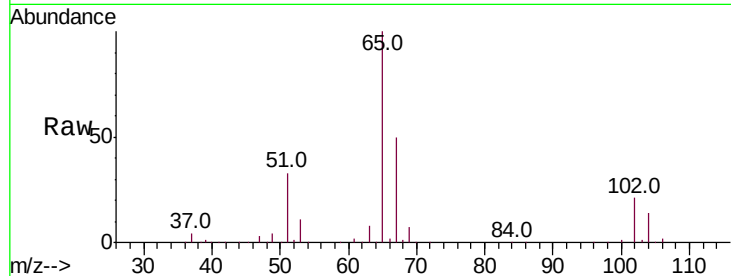
#33
 1,2-Dichloroethane-d4
 Concen: 48.678 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX011023.D
 Acq: 22 Jul 2019 12:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0722MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.9	0.0	107.8	

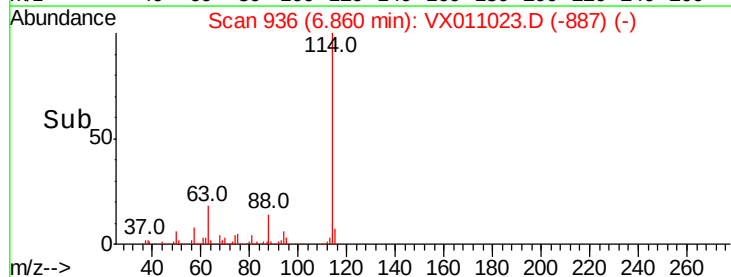
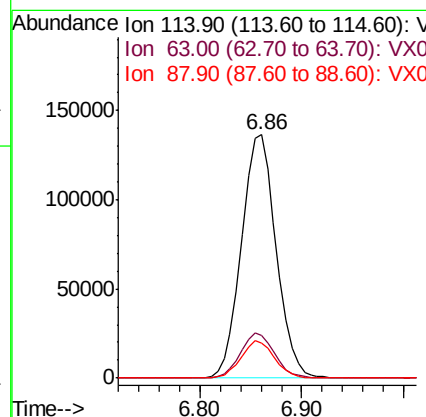
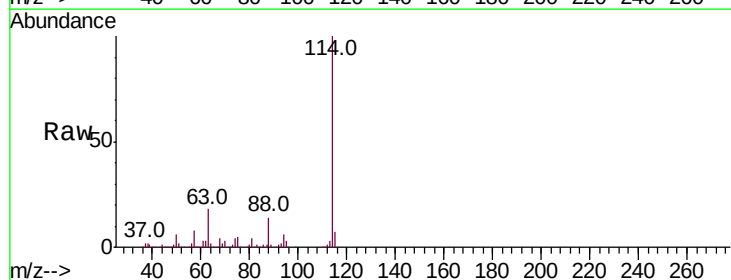
Manual Integrations
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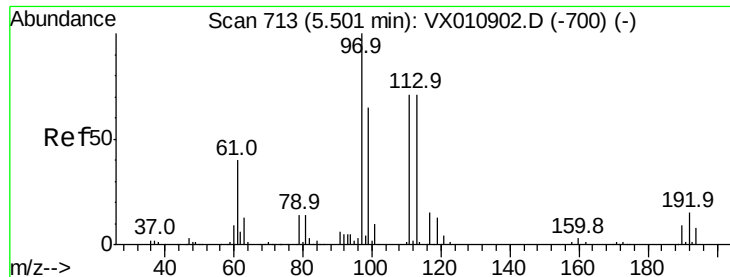
MMDadoda
 7/23/2019 11:11:18 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX011023.D
 Acq: 22 Jul 2019 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.5	0.0	35.6	
88	14.5	0.0	29.8	





#35

Dibromofluoromethane

Concen: 49.274 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX011023.D

Acq: 22 Jul 2019 12:19

Instrument :

MSVOA_X

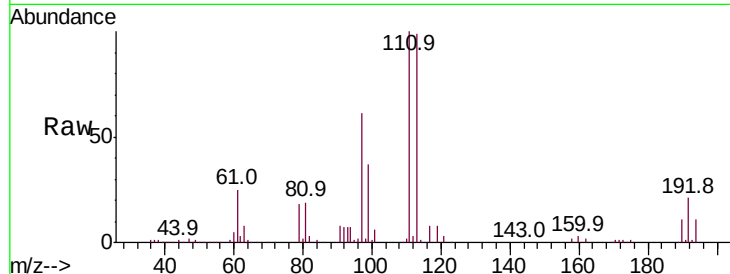
ClientSampleId :

VX0722MBS01

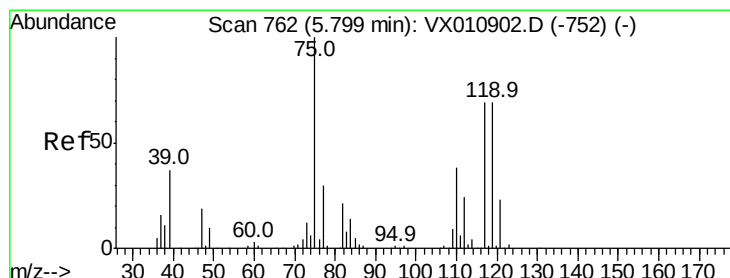
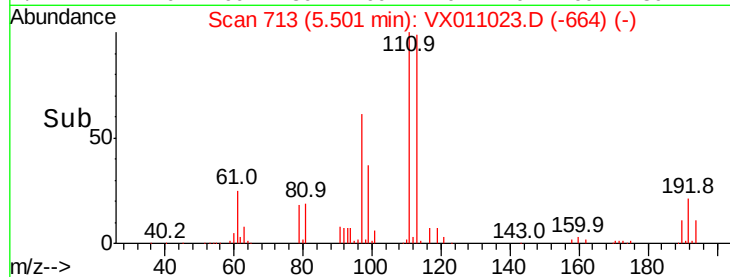
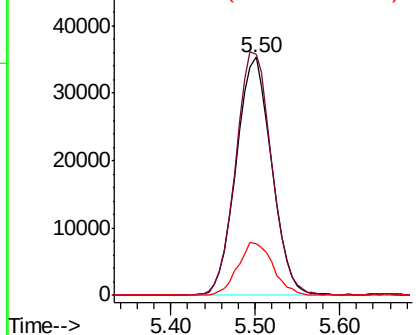
Tot Ion:	113	Resp:	100831
Ion Ratio	Lower	Upper	
113	100		
111	103.7	82.3	123.5
192	22.0	17.4	26.2

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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.260 ug/l

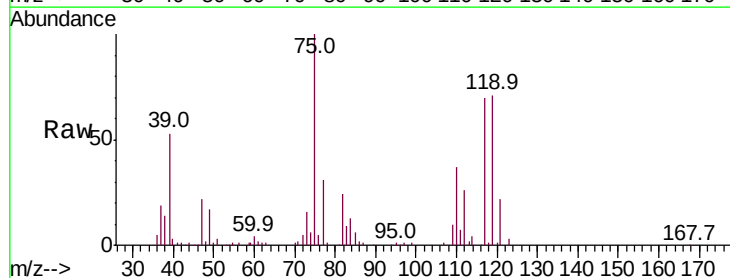
RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

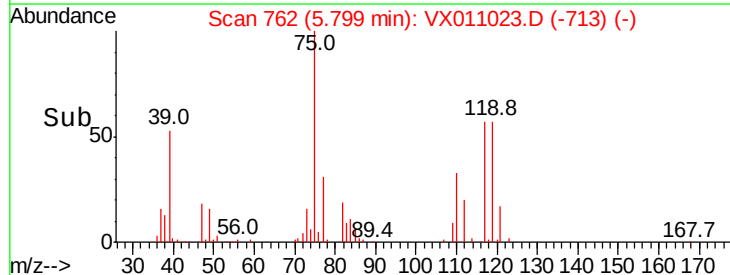
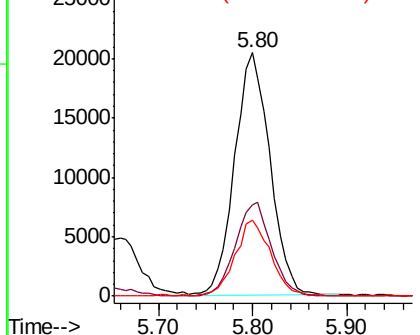
Lab File: VX011023.D

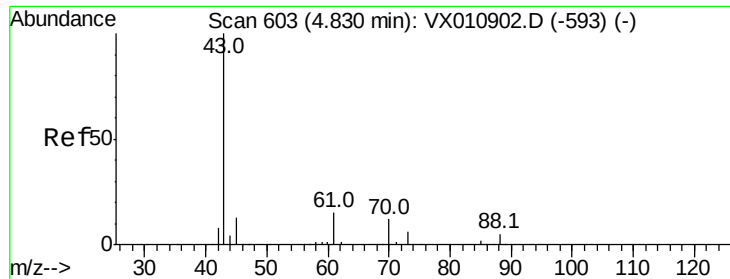
Acq: 22 Jul 2019 12:19

Tgt Ion:	75	Resp:	53652
Ion Ratio	Lower	Upper	
75	100		
110	39.2	19.9	59.7
77	31.6	25.0	37.4



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0





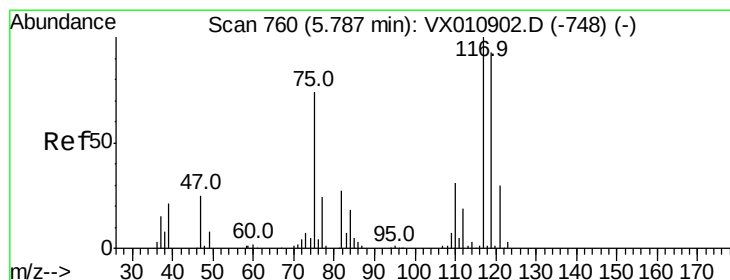
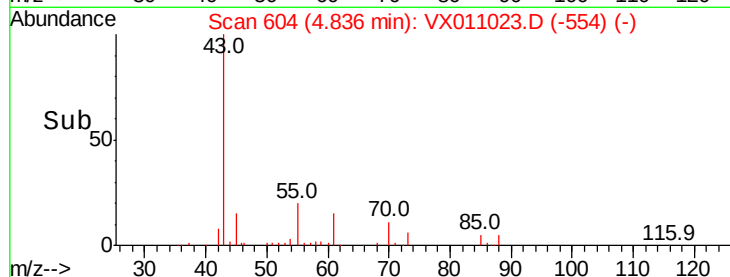
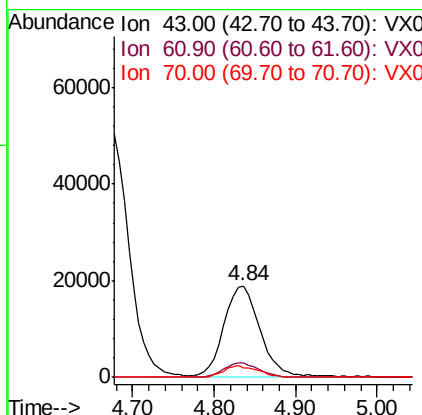
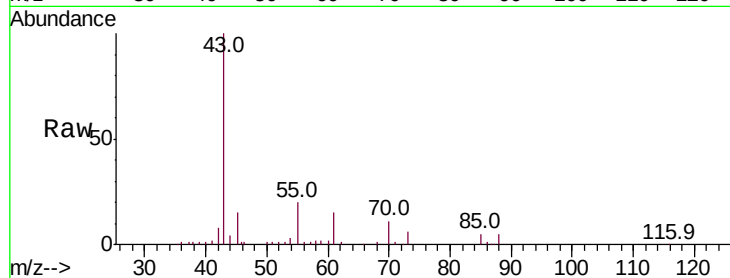
#37
Ethyl Acetate
Concen: 20.940 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX011023.D
Acq: 22 Jul 2019 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0722MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.0	11.6	17.4
70	12.4	9.1	13.7

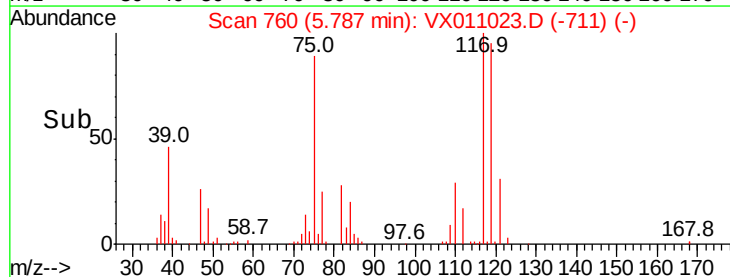
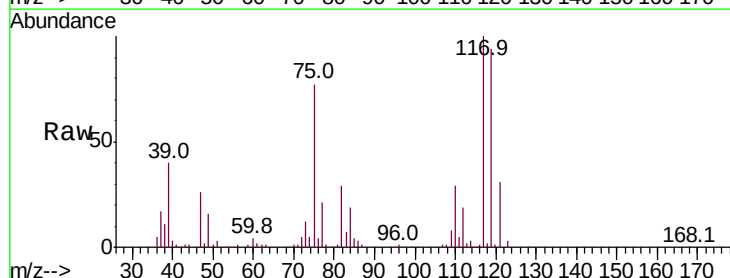
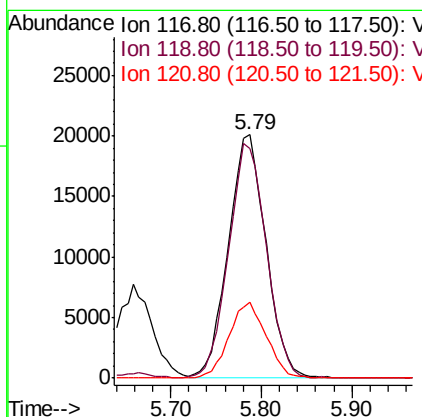
Manual Integrations
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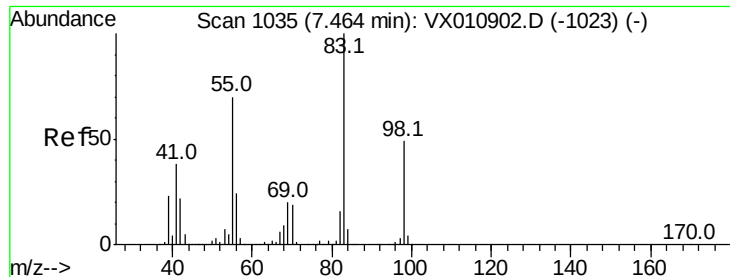
MMDadoda
7/23/2019 11:11:18 AM



#38
Carbon Tetrachloride
Concen: 21.014 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX011023.D
Acq: 22 Jul 2019 12:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	74.2	111.2
121	31.1	24.2	36.2





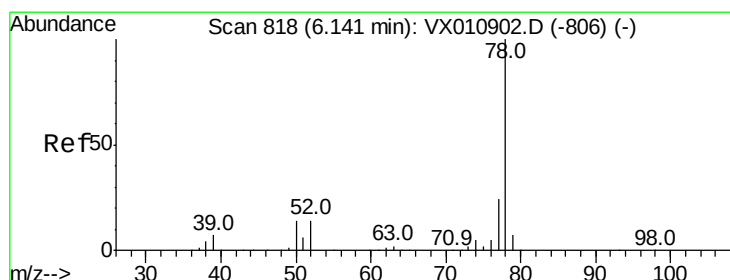
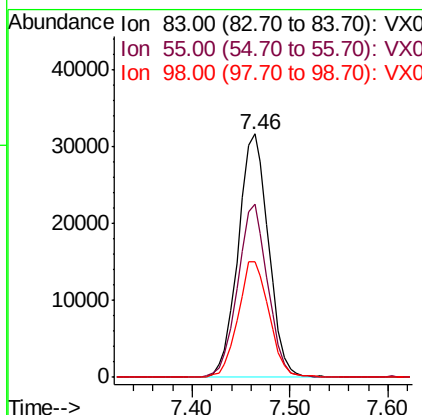
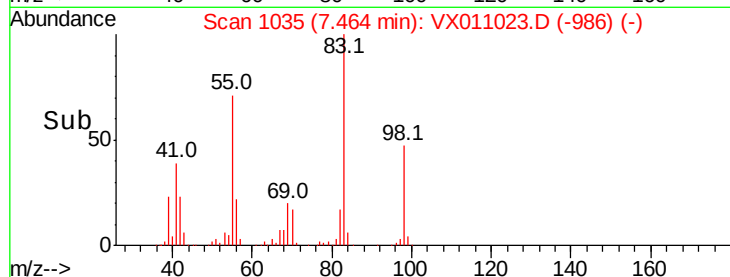
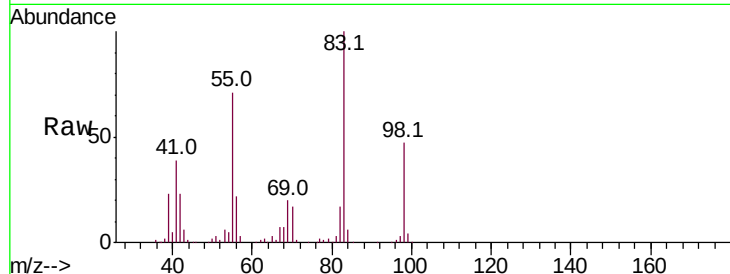
#39
Methylvlcyclohexane
Concen: 19.819 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX011023.D
Acq: 22 Jul 2019 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0722MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.0	56.2	84.4
98	47.4	39.0	58.4

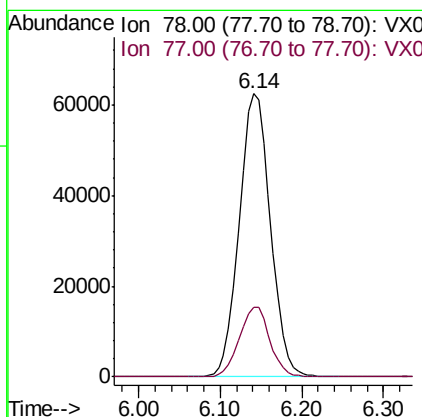
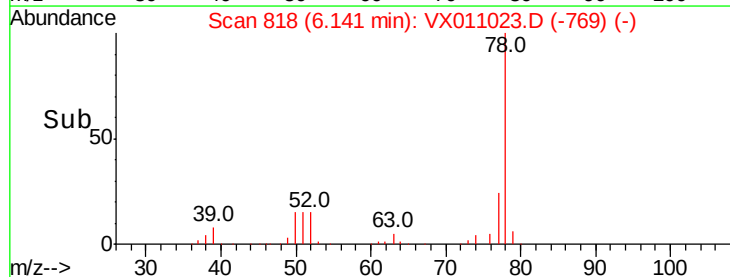
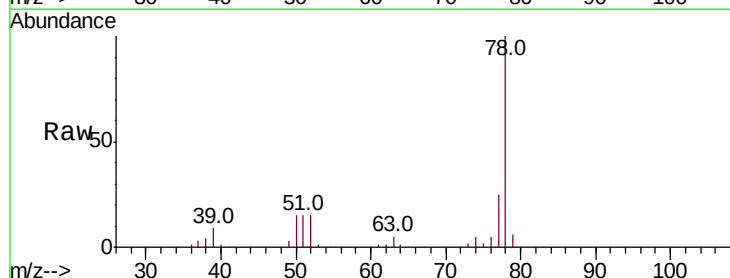
Manual Integrations
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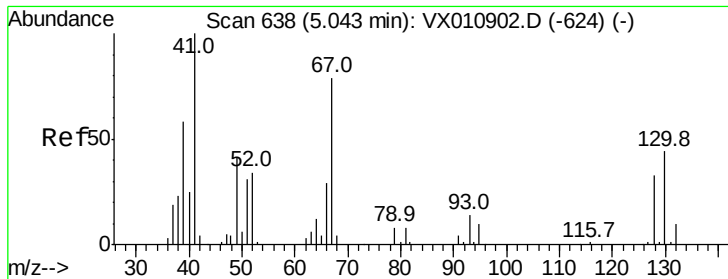
MMDadoda
7/23/2019 11:11:18 AM



#40
Benzene
Concen: 20.463 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX011023.D
Acq: 22 Jul 2019 12:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.0	28.6





#41

Methacrylonitrile

Concen: 20.506 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX011023.D

Acq: 22 Jul 2019 12:19

Instrument :

MSVOA_X

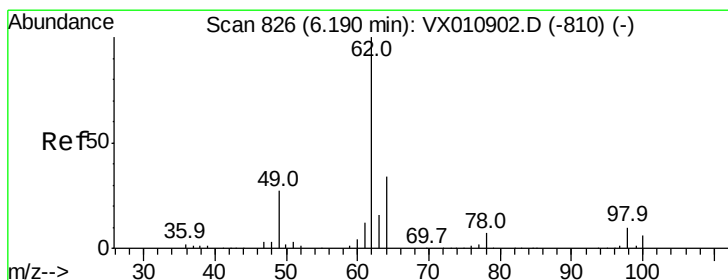
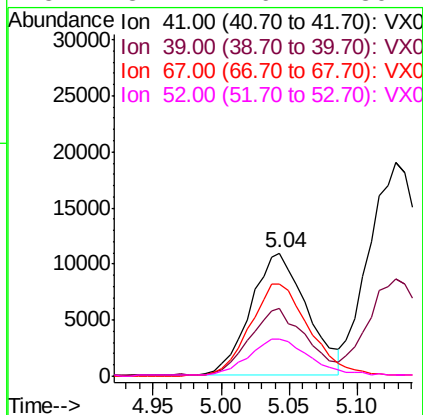
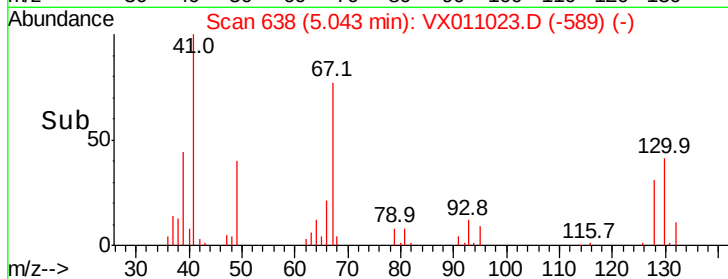
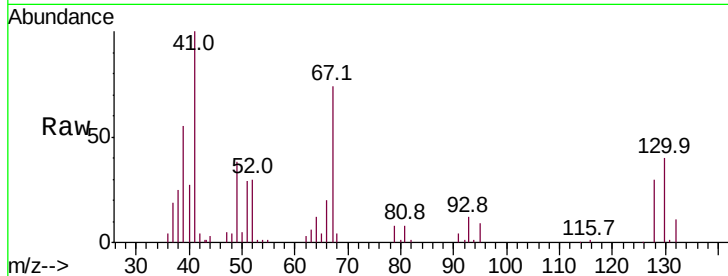
ClientSampleId :

VX0722MBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.2	45.4	68.2
67	79.9	65.9	98.9
52	34.1	26.2	39.2

Manual Integrations
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MMDadoda
7/23/2019 11:11:18 AM



#42

1,2-Dichloroethane

Concen: 21.641 ug/l

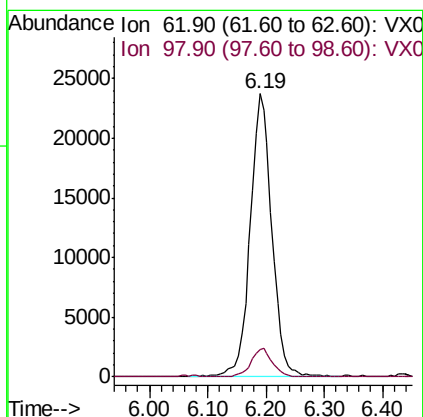
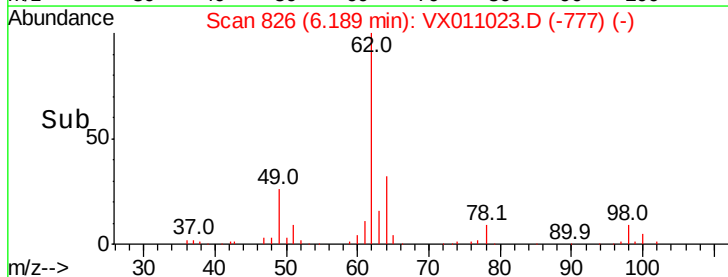
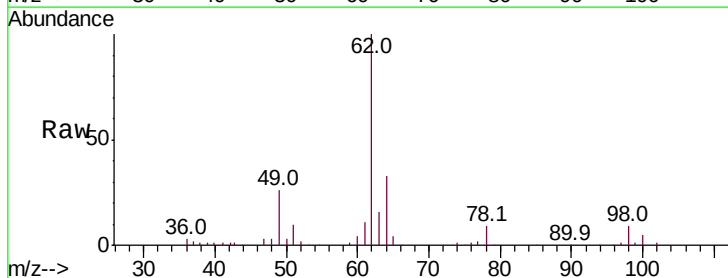
RT: 6.19 min Scan# 826

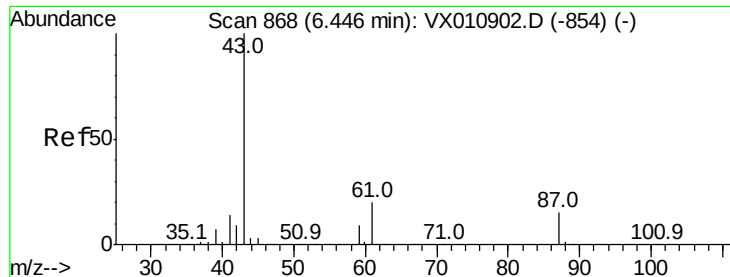
Delta R.T. -0.00 min

Lab File: VX011023.D

Acq: 22 Jul 2019 12:19

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	20.0





#43

Isopropyl Acetate

Concen: 21.342 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX011023.D

Acq: 22 Jul 2019 12:19

Instrument :

MSVOA_X

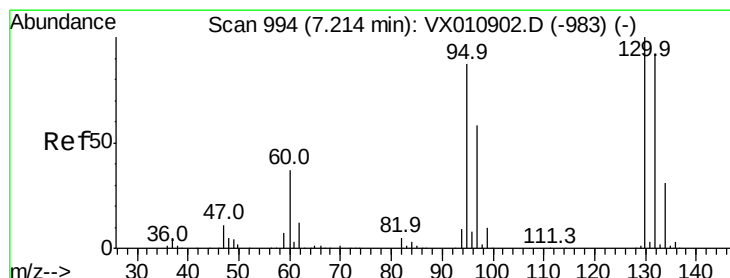
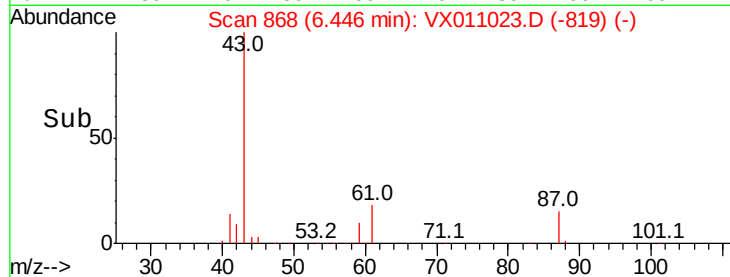
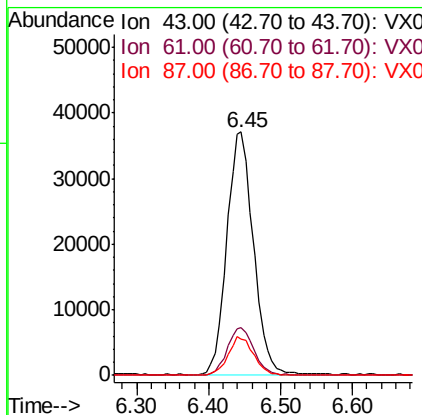
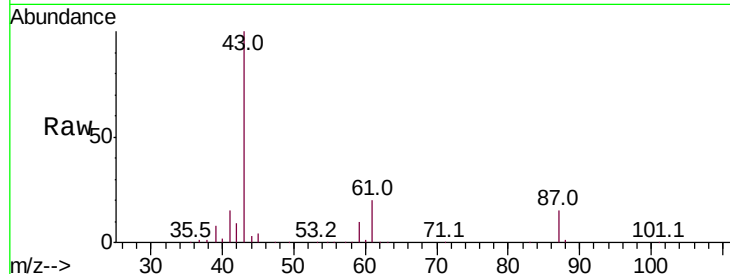
ClientSampleId :

VX0722MBS01

Tot Ion:	43	Resp:	95161
Ion	Ratio	Lower	Upper
43	100		
61	19.9	17.1	25.7
87	15.2	12.0	18.0

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#44

Trichloroethene

Concen: 20.393 ug/l

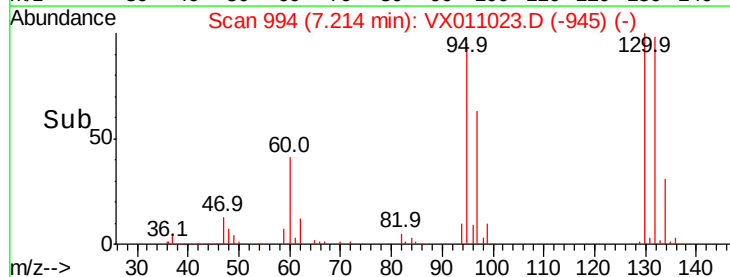
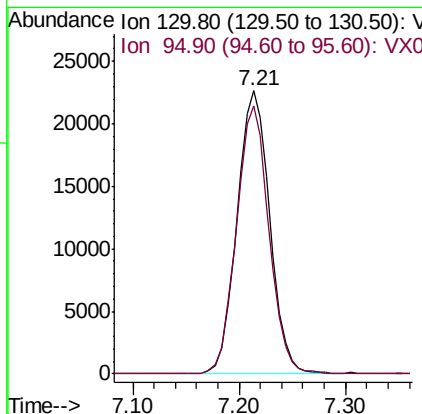
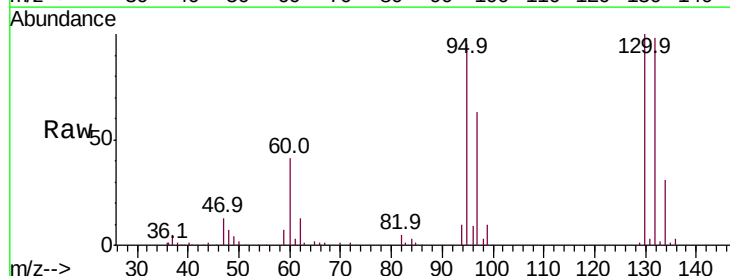
RT: 7.21 min Scan# 994

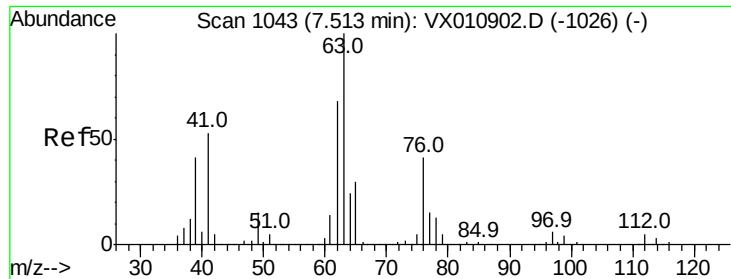
Delta R.T. -0.00 min

Lab File: VX011023.D

Acq: 22 Jul 2019 12:19

Tgt Ion:	130	Resp:	48967
Ion	Ratio	Lower	Upper
130	100		
95	94.6	0.0	174.8





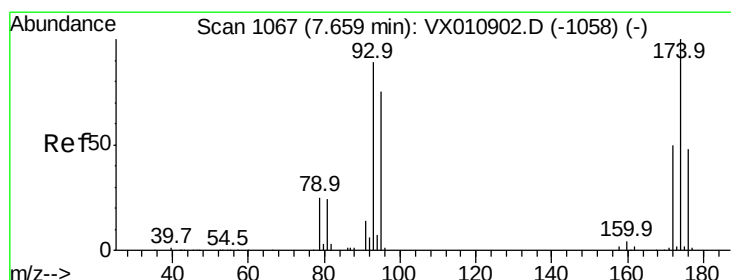
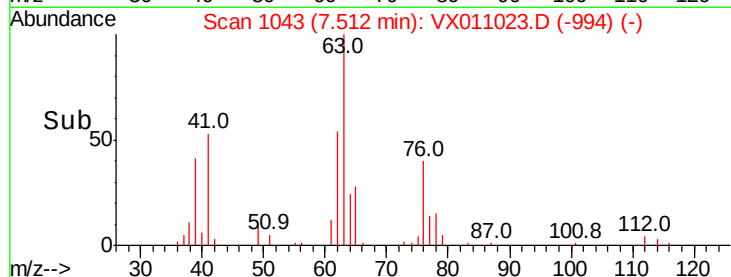
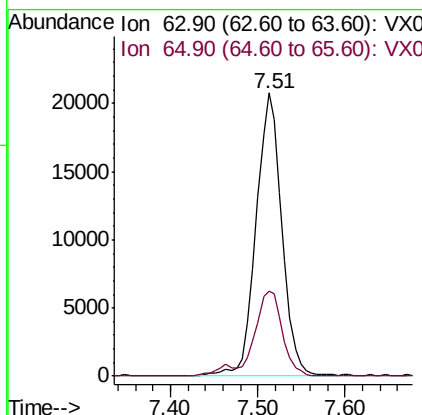
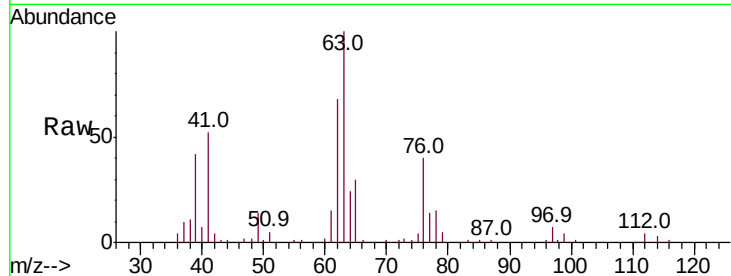
#45
 1,2-Dichloropropane
 Concen: 20.549 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX011023.D
 Acq: 22 Jul 2019 12:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0722MBS01

Tot Ion: 63 Resp: 42426
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.4 36.6

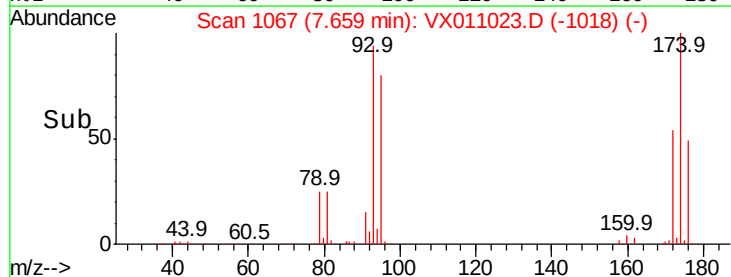
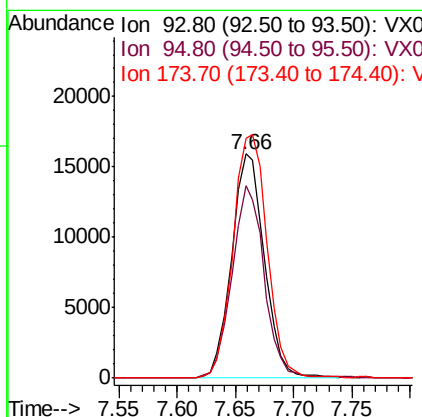
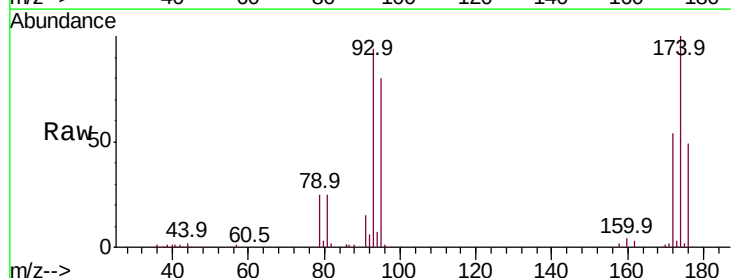
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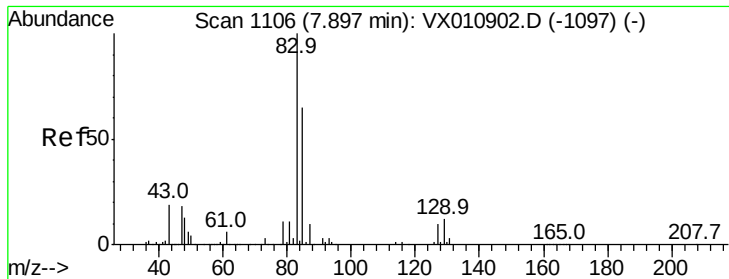
MMDadoda
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#46
 Dibromomethane
 Concen: 21.172 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX011023.D
 Acq: 22 Jul 2019 12:19

Tgt Ion: 93 Resp: 31236
 Ion Ratio Lower Upper
 93 100
 95 85.1 67.2 100.8
 174 113.7 90.6 135.8





#47

Bromodichloromethane

Concen: 21.296 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX011023.D

Acq: 22 Jul 2019 12:19

Instrument :

MSVOA_X

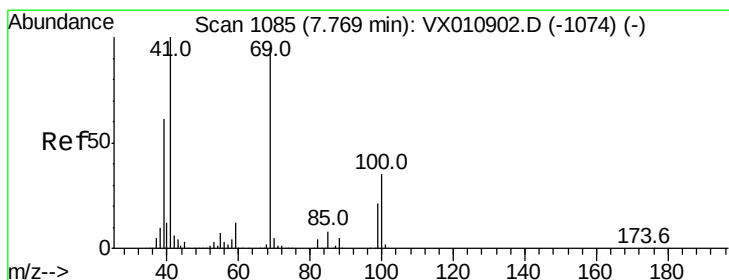
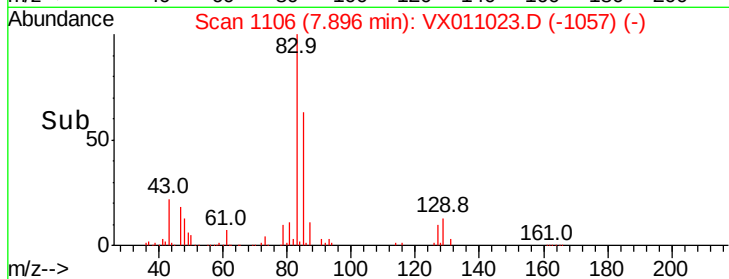
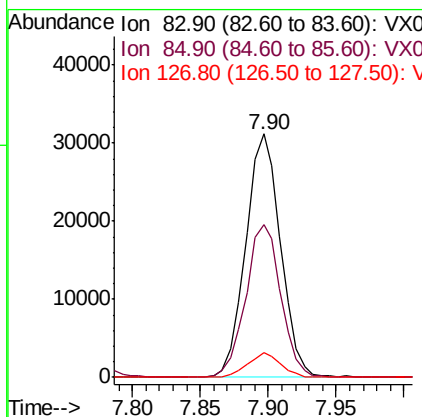
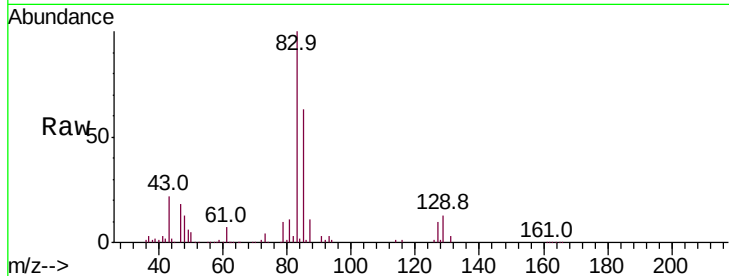
ClientSampleId :

VX0722MBS01

Tot Ion:	83	Resp:	55927
Ion	Ratio	Lower	Upper
83	100		
85	62.8	52.5	78.7
127	10.1	7.8	11.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.928 ug/l

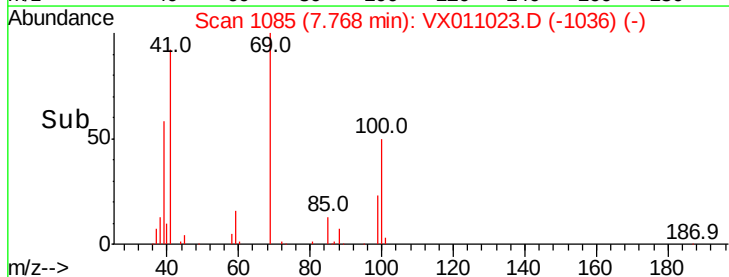
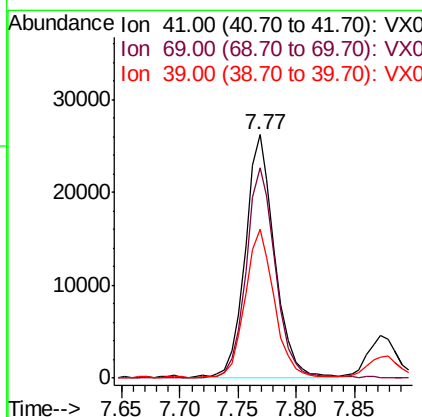
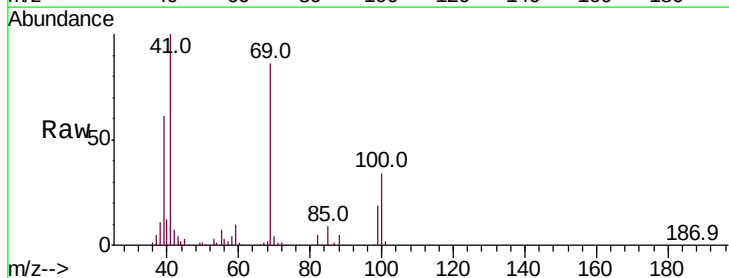
RT: 7.77 min Scan# 1085

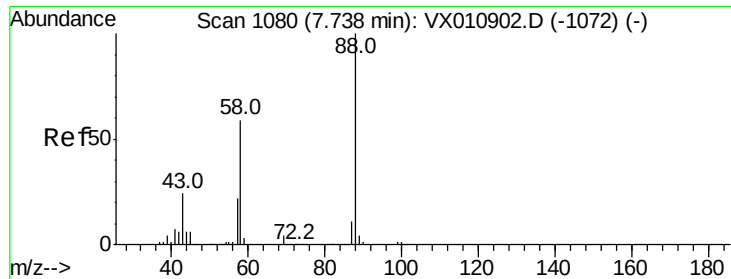
Delta R.T. -0.00 min

Lab File: VX011023.D

Acq: 22 Jul 2019 12:19

Tgt Ion:	41	Resp:	45457
Ion	Ratio	Lower	Upper
41	100		
69	88.1	74.4	111.6
39	60.5	48.9	73.3





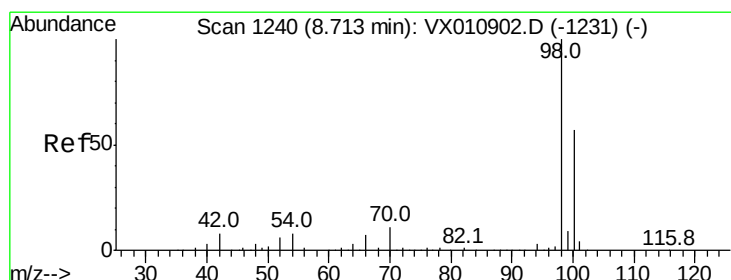
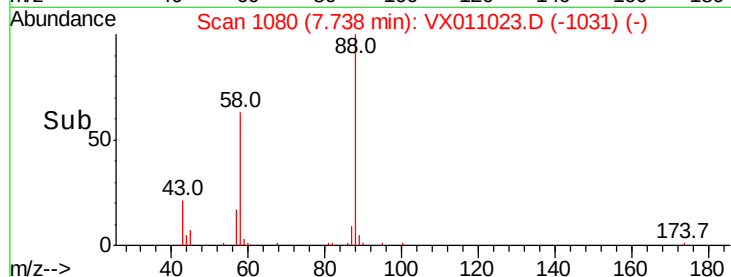
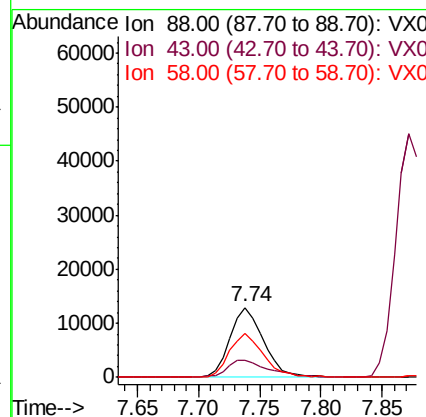
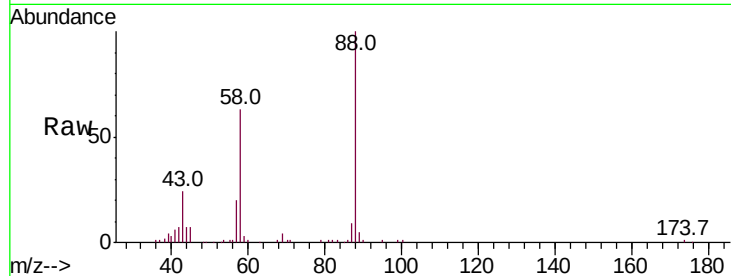
#49
1,4-Dioxane
Concen: 406.408 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX011023.D
Acq: 22 Jul 2019 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0722MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.2	22.9	34.3
58	64.1	49.8	74.8

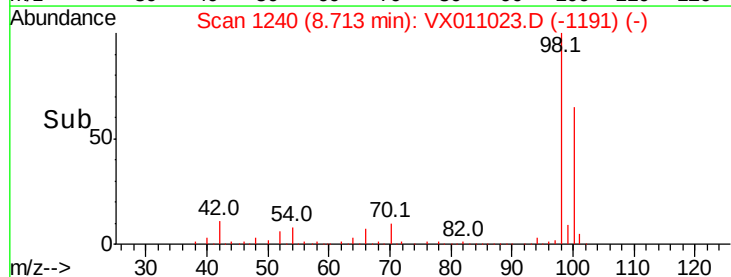
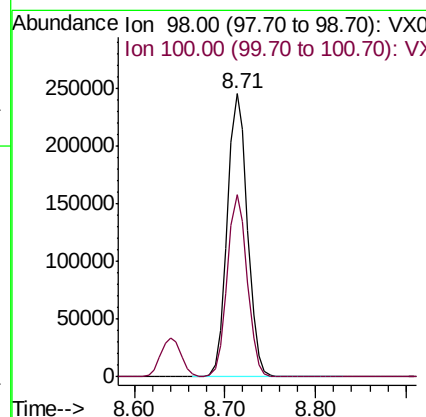
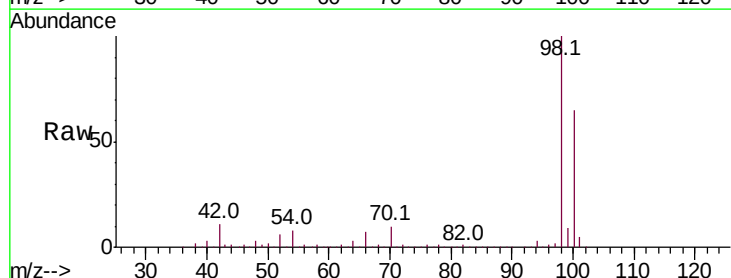
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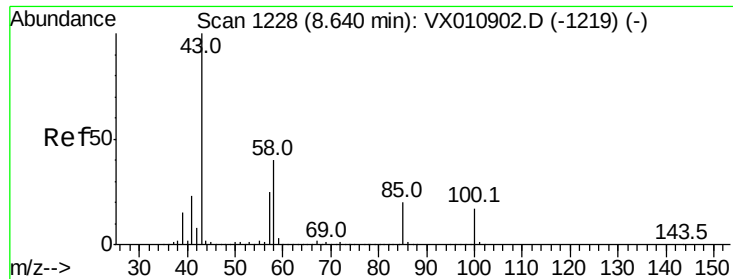
MMDadoda
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#50
Toluene-d8
Concen: 49.309 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011023.D
Acq: 22 Jul 2019 12:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	50.6	75.8





#51

4-Methyl-2-Pentanone

Concen: 106.343 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX011023.D

Acq: 22 Jul 2019 12:19

Instrument :

MSVOA_X

ClientSampled :

VX0722MBS01

Tot Ion: 43 Resp: 307370

Ion Ratio Lower Upper

43 100

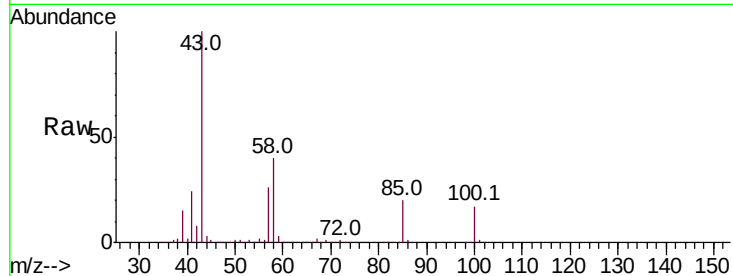
58 40.1 32.2 48.4

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

200000

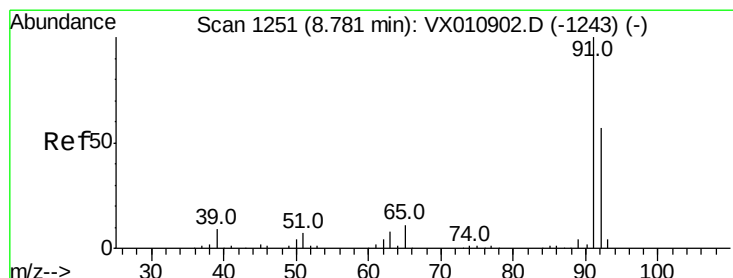
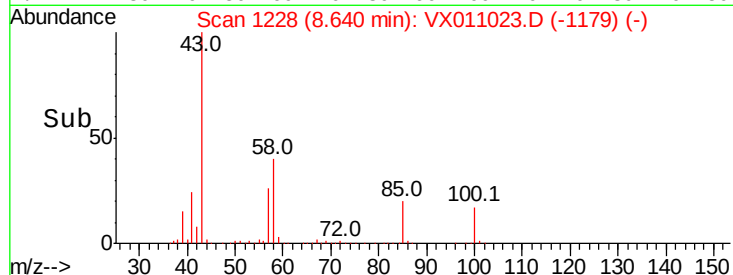
150000

100000

50000

0

Time--> 8.55 8.60 8.65 8.70



#52

Toluene

Concen: 20.377 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX011023.D

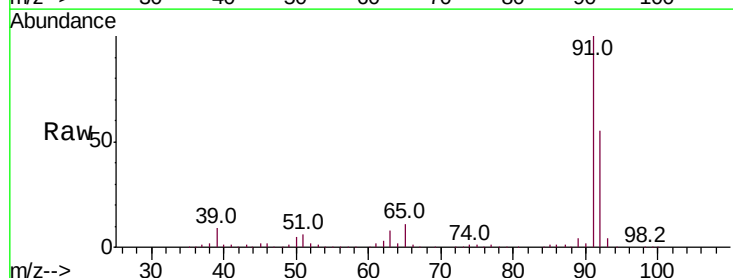
Acq: 22 Jul 2019 12:19

Tgt Ion: 92 Resp: 108590

Ion Ratio Lower Upper

92 100

91 177.3 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

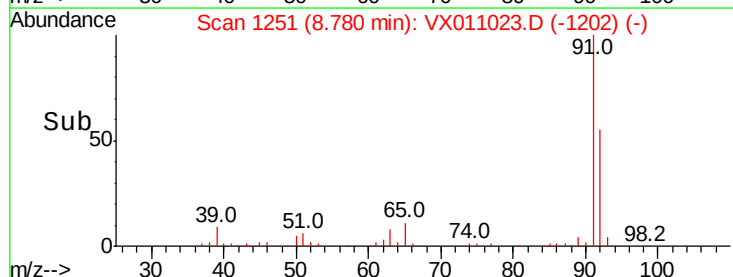
150000

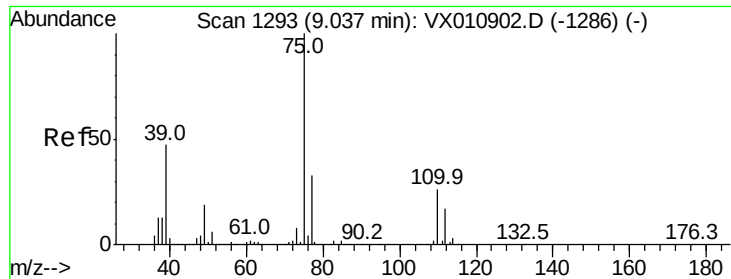
100000

50000

0

Time--> 8.70 8.75 8.80 8.85





#53

t-1,3-Dichloropropene

Concen: 20.789 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VX011023.D

Acq: 22 Jul 2019 12:19

Instrument :

MSVOA_X

ClientSampleId :

VX0722MBS01

Tot Ion: 75 Resp: 58704

Ion Ratio Lower Upper

75 100

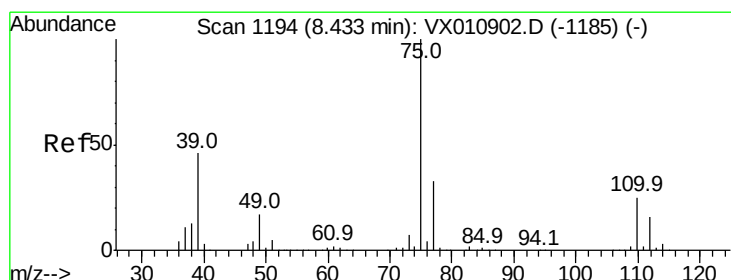
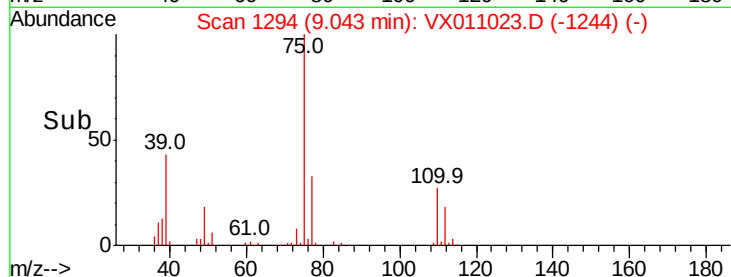
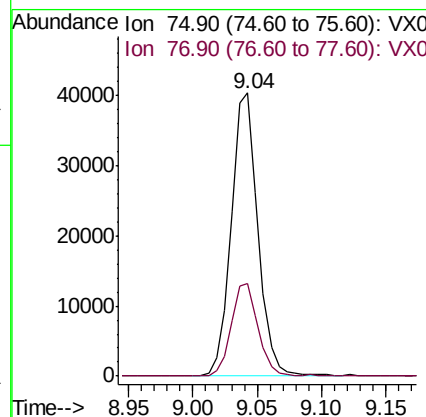
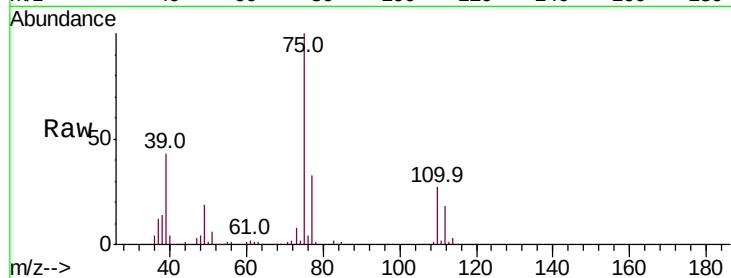
77 32.5 26.2 39.2

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#54

cis-1,3-Dichloropropene

Concen: 20.729 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX011023.D

Acq: 22 Jul 2019 12:19

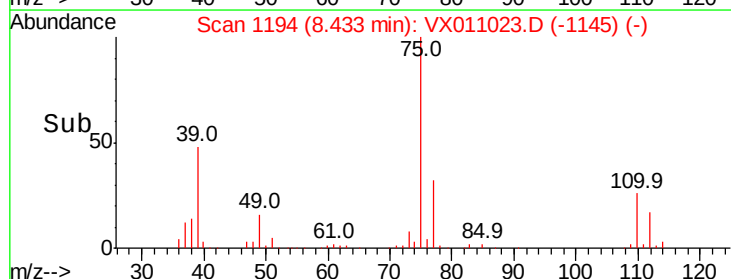
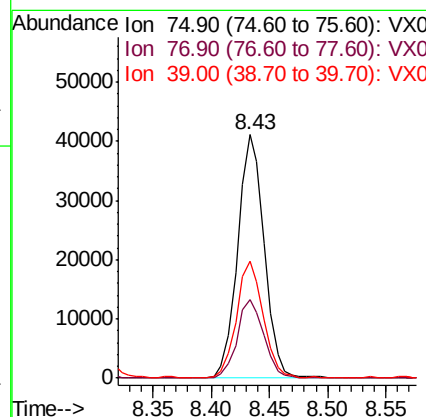
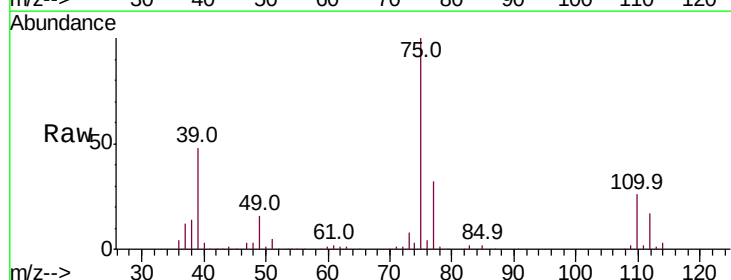
Tgt Ion: 75 Resp: 65135

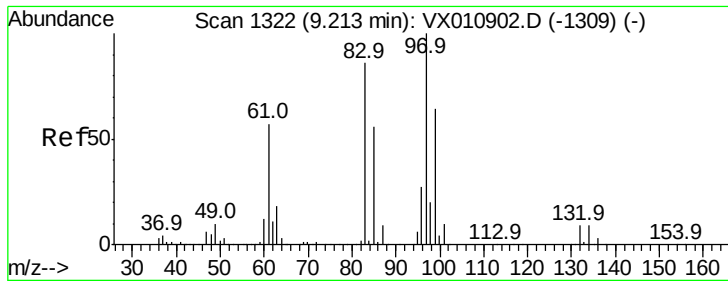
Ion Ratio Lower Upper

75 100

77 32.4 26.1 39.1

39 47.6 36.6 54.8





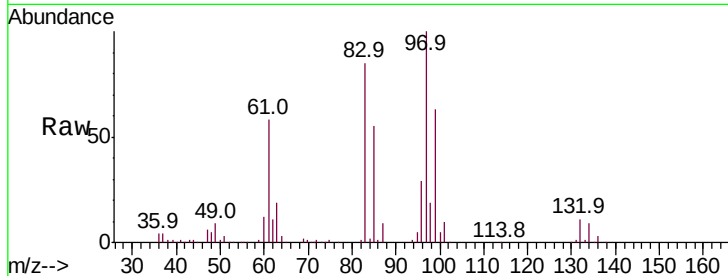
#55
 1,1,2-Trichloroethane
 Concen: 21.012 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX011023.D
 Acq: 22 Jul 2019 12:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0722MBS01

Tot Ion	97	Resp	46104
Ion	Ratio	Lower	Upper
97	100		
83	85.4	69.2	103.8
85	55.5	44.6	66.8
99	63.0	51.2	76.8

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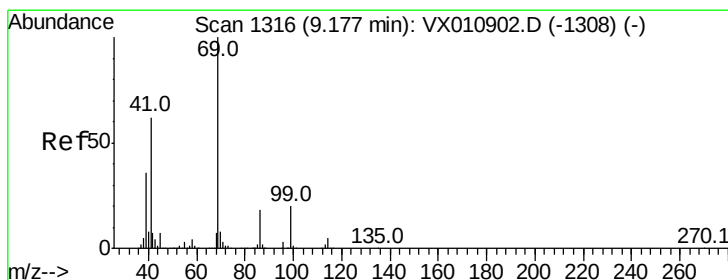
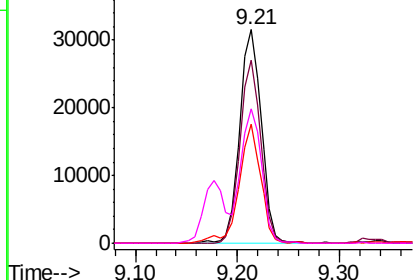
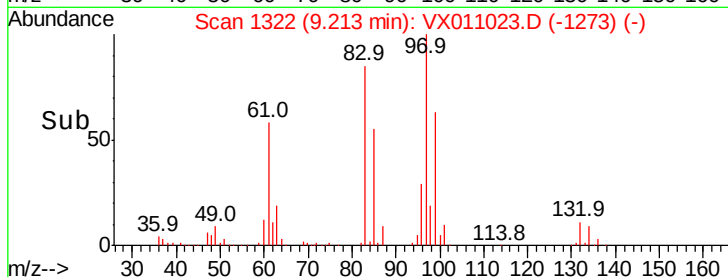
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

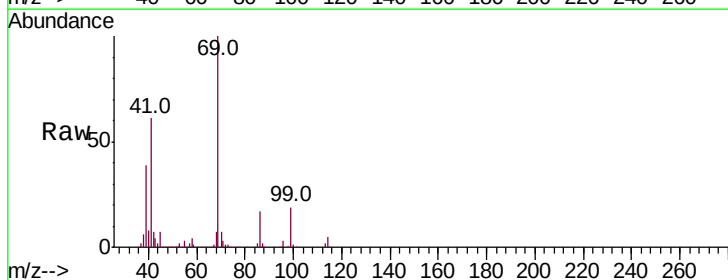
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56
 Ethyl methacrylate
 Concen: 21.422 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX011023.D
 Acq: 22 Jul 2019 12:19

Tgt Ion	69	Resp	68757
Ion	Ratio	Lower	Upper
69	100		
41	61.3	49.7	74.5
39	37.8	29.6	44.4

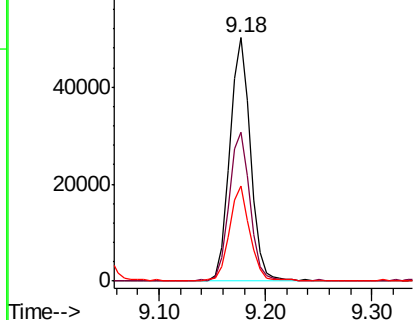
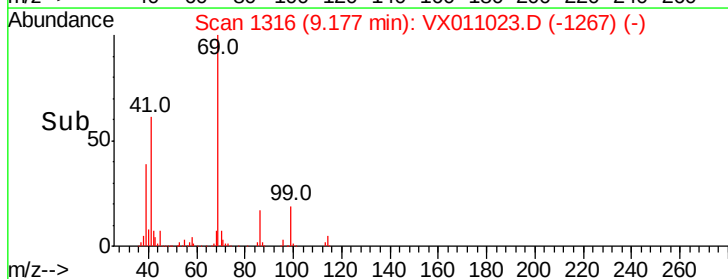


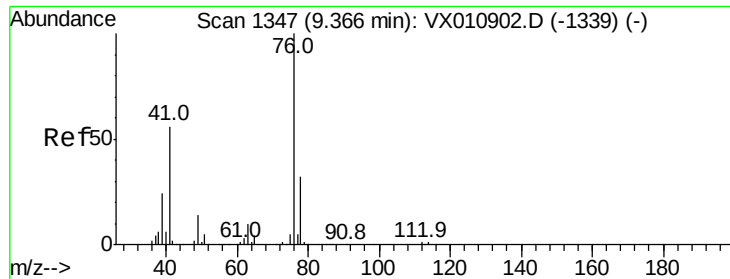
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





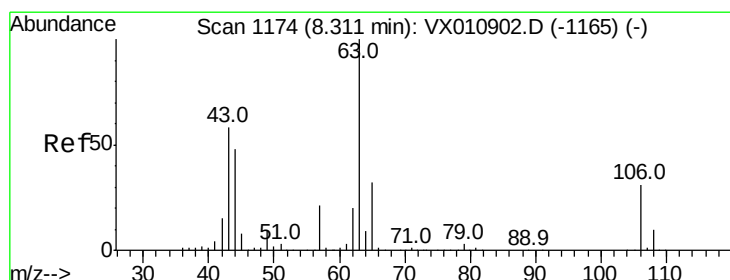
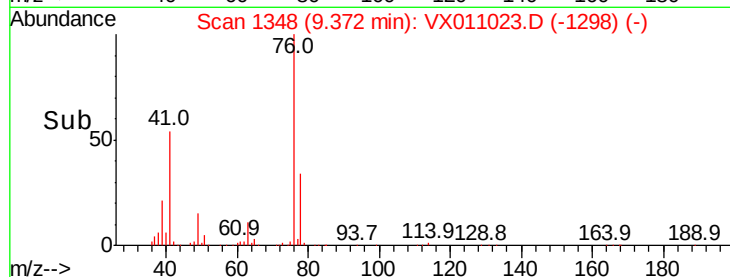
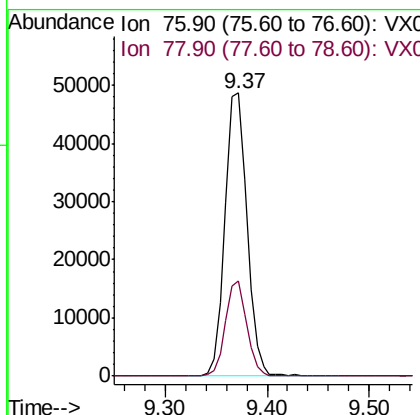
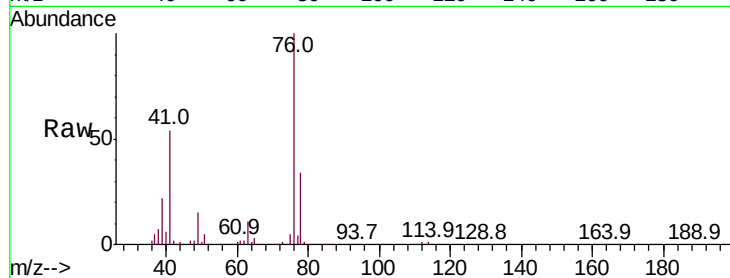
#57
 1,3-Dichloropropane
 Concen: 20.991 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.01 min
 Lab File: VX011023.D
 Acq: 22 Jul 2019 12:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0722MBS01

Tot Ion: 76 Resp: 73064
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.6 38.4

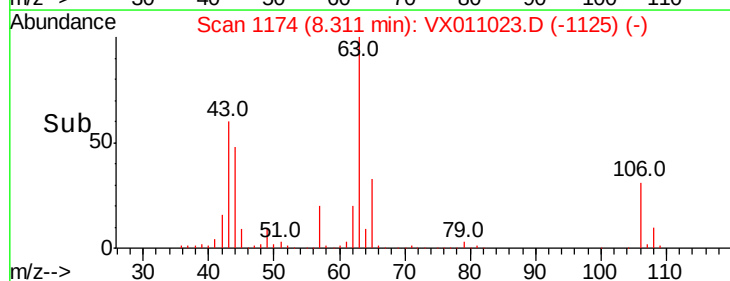
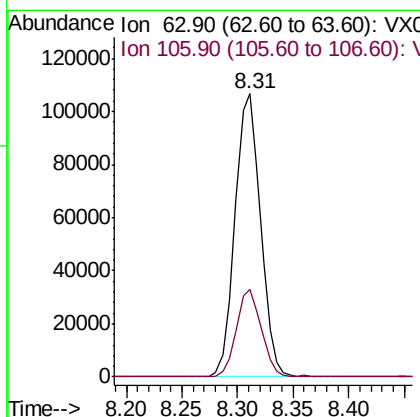
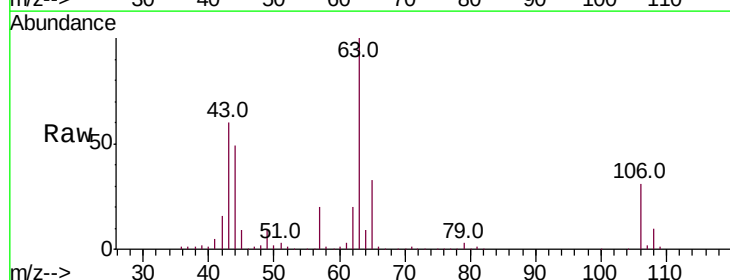
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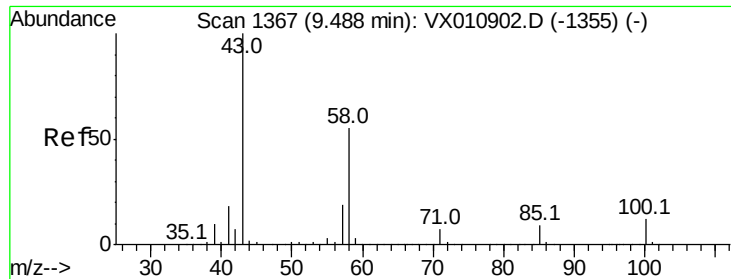
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 110.677 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX011023.D
 Acq: 22 Jul 2019 12:19

Tgt Ion: 63 Resp: 169571
 Ion Ratio Lower Upper
 63 100
 106 30.2 24.0 36.0





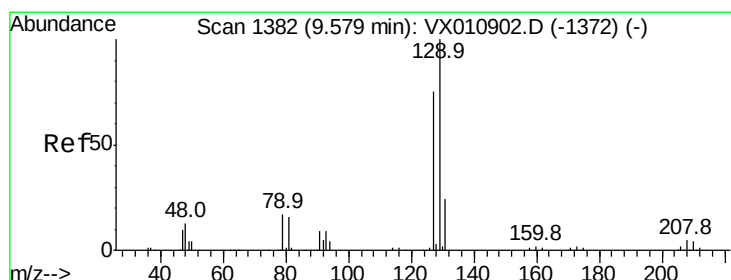
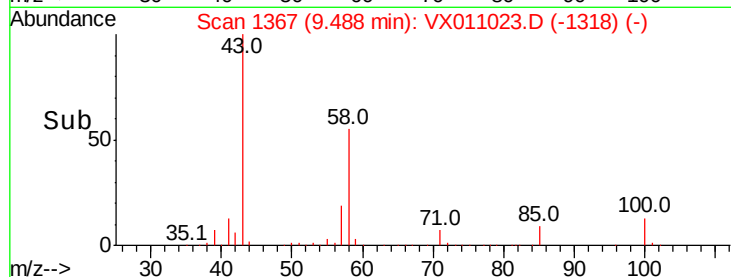
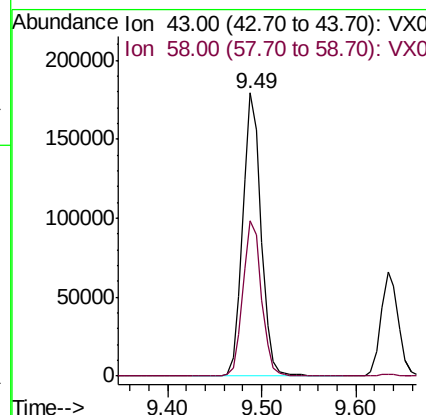
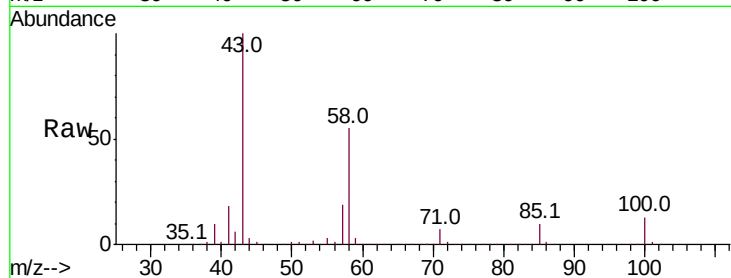
#59
2-Hexanone
Concen: 107.590 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX011023.D
Acq: 22 Jul 2019 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0722MBS01

Tot Ion: 43 Resp: 241197
Ion Ratio Lower Upper
43 100
58 55.7 28.0 83.9

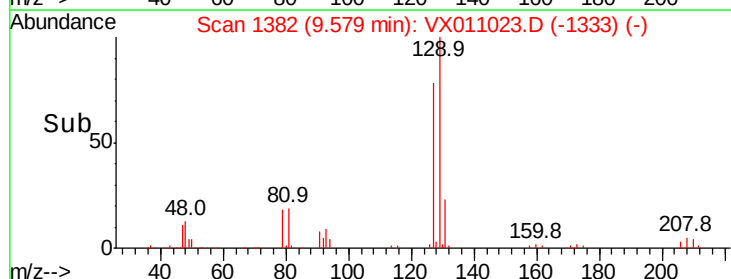
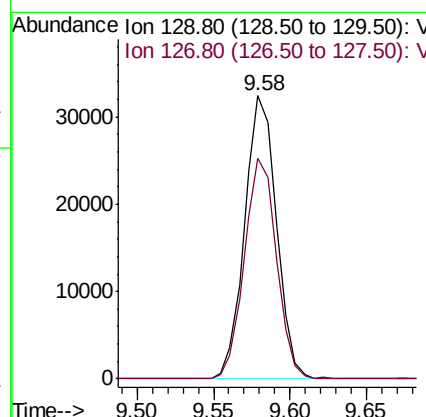
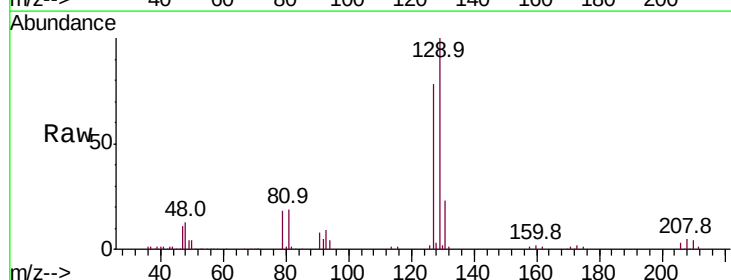
Manual Integrations
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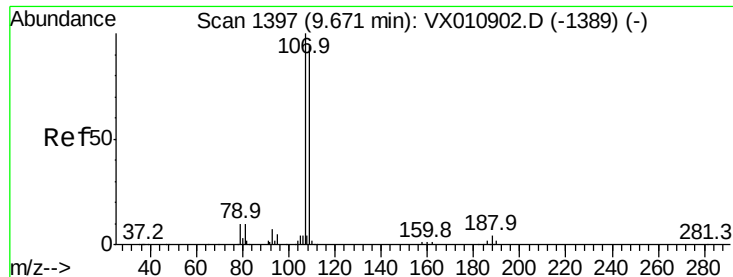
MMDadoda
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#60
Dibromochloromethane
Concen: 20.121 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011023.D
Acq: 22 Jul 2019 12:19

Tgt Ion: 129 Resp: 46794
Ion Ratio Lower Upper
129 100
127 78.8 38.6 115.8





#61

1,2-Dibromoethane

Concen: 21.021 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX011023.D

Acq: 22 Jul 2019 12:19

Instrument :

MSVOA_X

ClientSampleId :

VX0722MBS01

Tot Ion:107 Resp: 48950

Ion Ratio Lower Upper

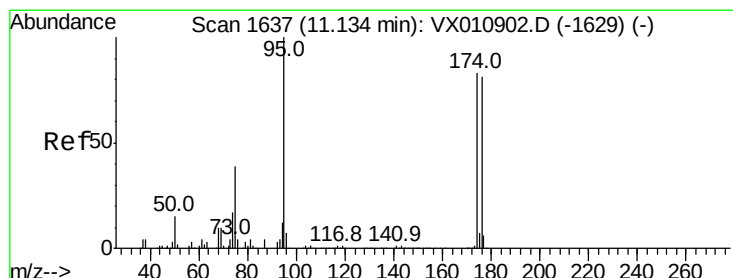
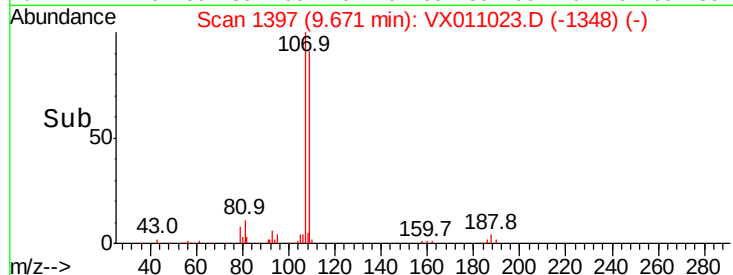
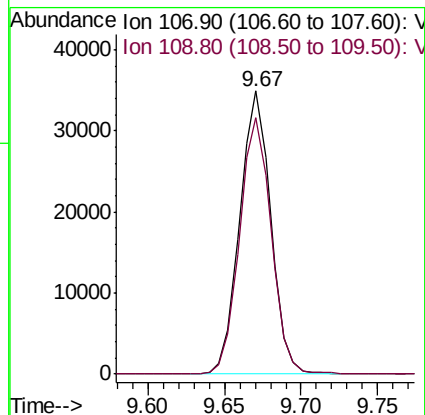
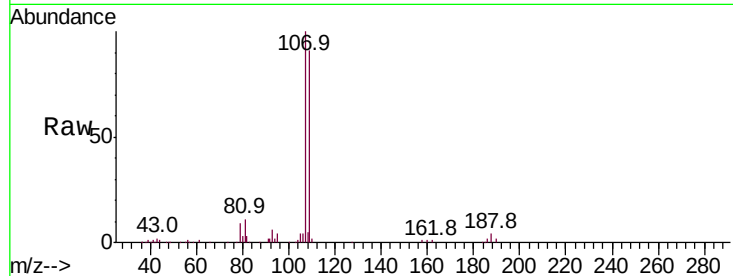
107 100

109 92.9 75.4 113.0

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 49.202 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011023.D

Acq: 22 Jul 2019 12:19

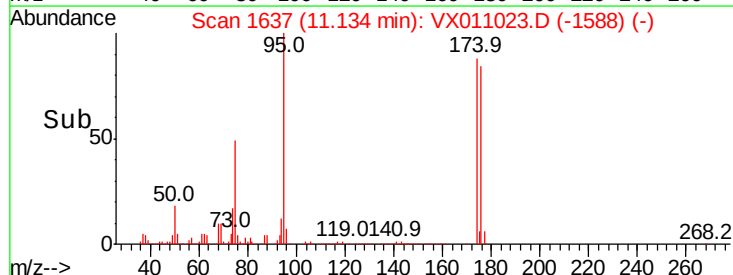
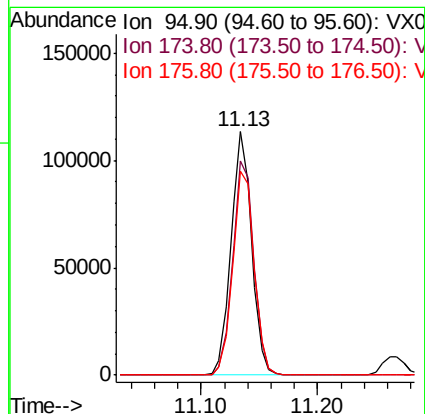
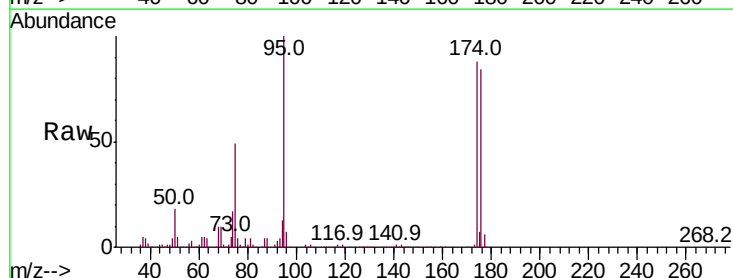
Tgt Ion: 95 Resp: 138803

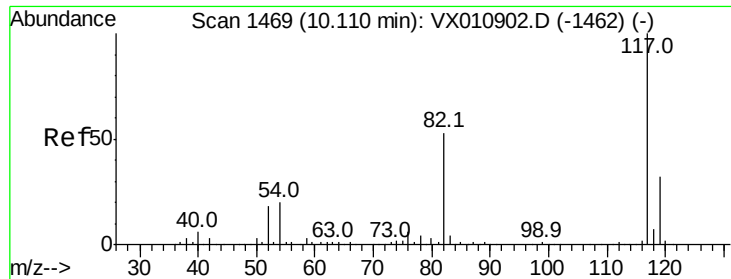
Ion Ratio Lower Upper

95 100

174 91.2 0.0 180.6

176 87.3 0.0 173.8





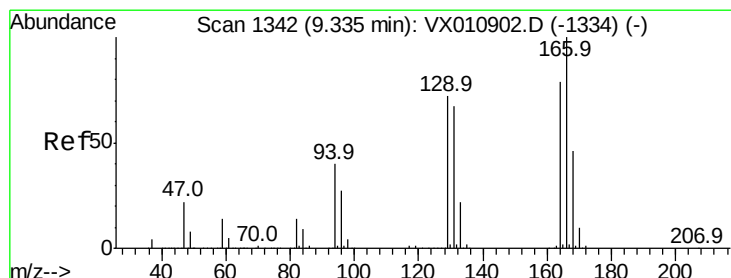
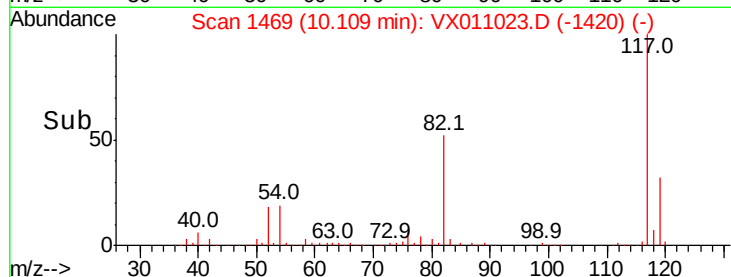
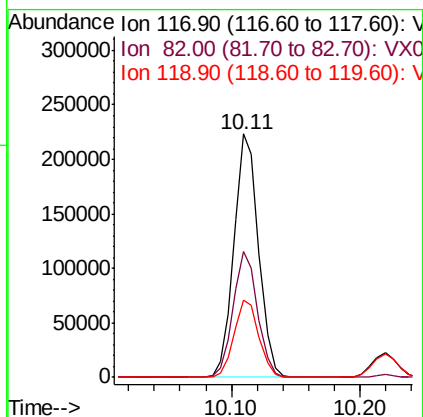
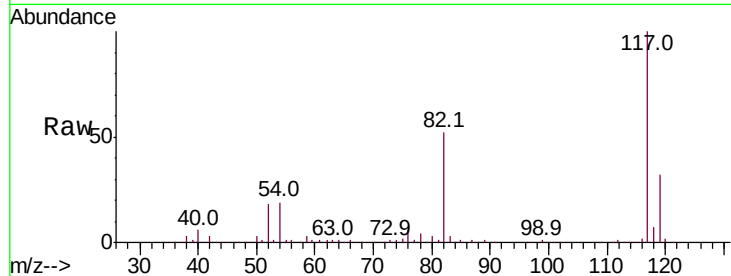
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011023.D
Acq: 22 Jul 2019 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0722MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	42.6	63.8
119	31.7	25.9	38.9

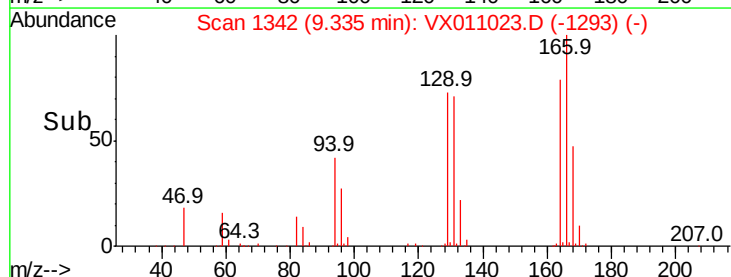
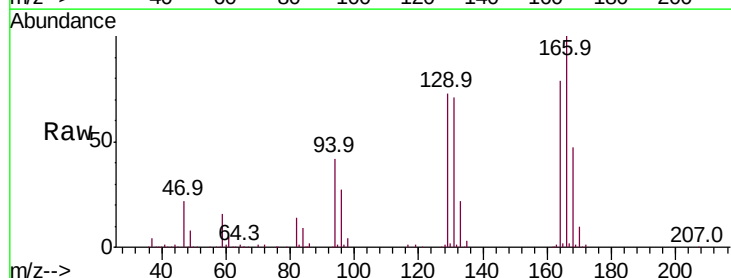
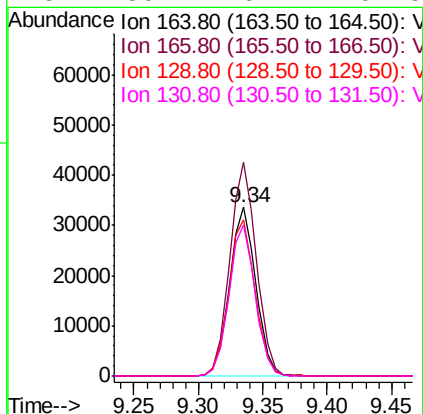
Manual Integrations
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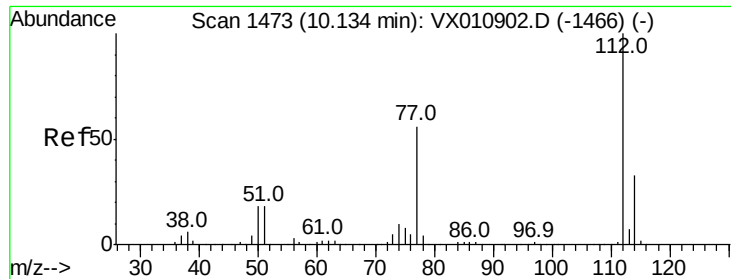
MMDadoda
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#64
Tetrachloroethene
Concen: 20.515 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX011023.D
Acq: 22 Jul 2019 12:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.5	100.8	151.2
129	92.5	72.6	109.0
131	89.2	67.7	101.5





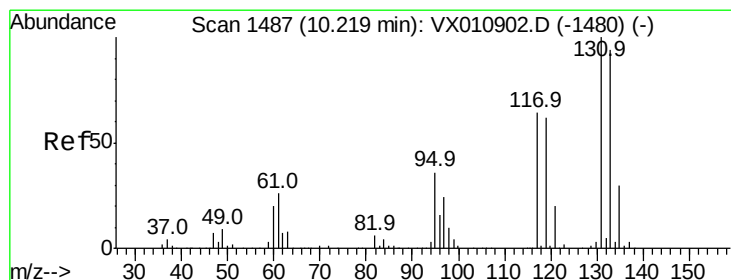
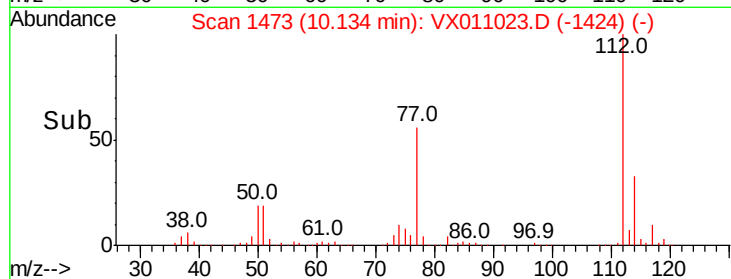
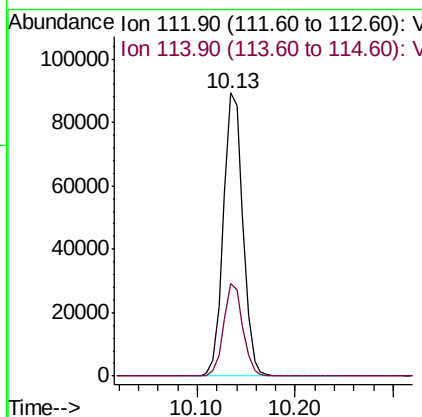
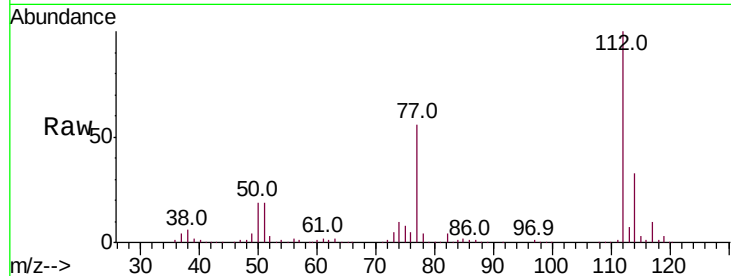
#65
Chlorobenzene
Concen: 20.220 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX011023.D
Acq: 22 Jul 2019 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0722MBS01

Tot Ion:112 Resp: 123628
Ion Ratio Lower Upper
112 100
114 32.9 26.2 39.4

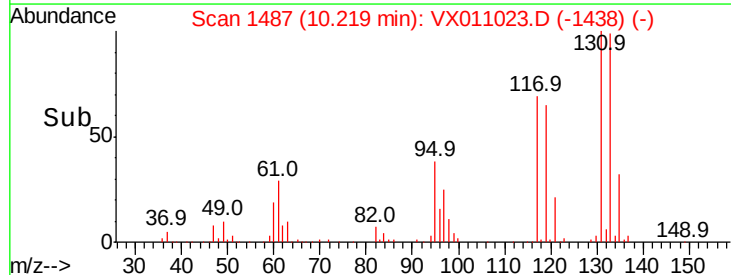
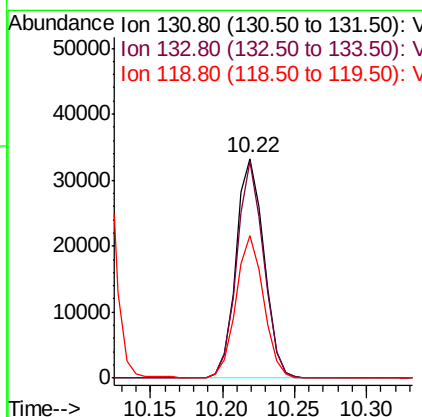
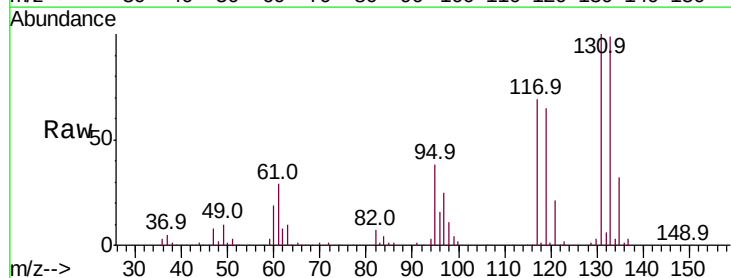
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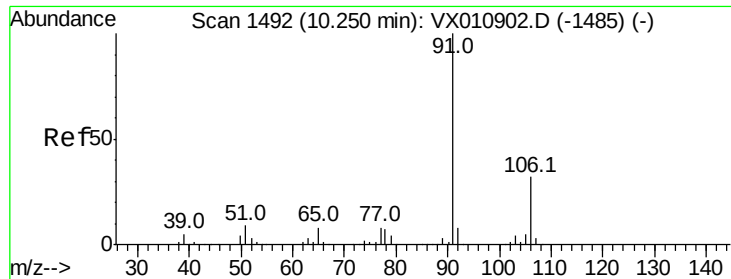
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.927 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX011023.D
Acq: 22 Jul 2019 12:19

Tgt Ion:131 Resp: 44970
Ion Ratio Lower Upper
131 100
133 95.0 47.1 141.4
119 64.7 31.9 95.7





#67

Ethyl Benzene

Concen: 20.412 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX011023.D

Acq: 22 Jul 2019 12:19

Instrument :

MSVOA_X

ClientSampled :

VX0722MBS01

Tot Ion: 91 Resp: 212432

Ion Ratio Lower Upper

91 100

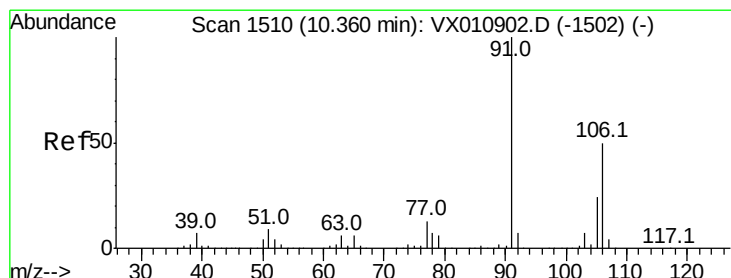
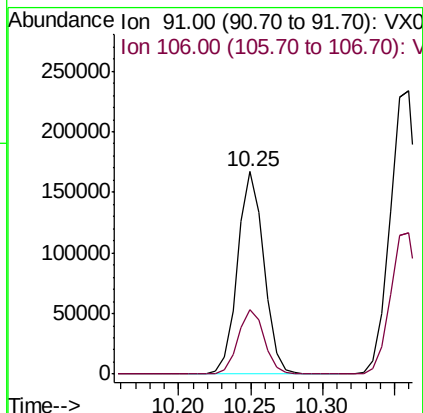
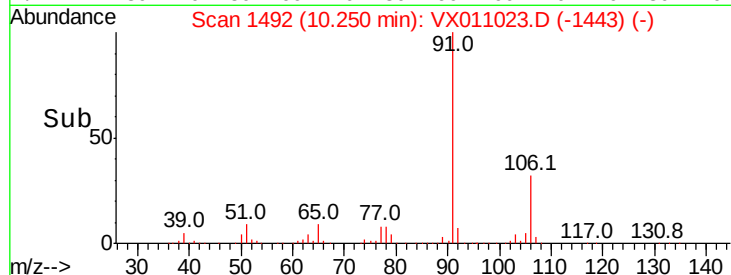
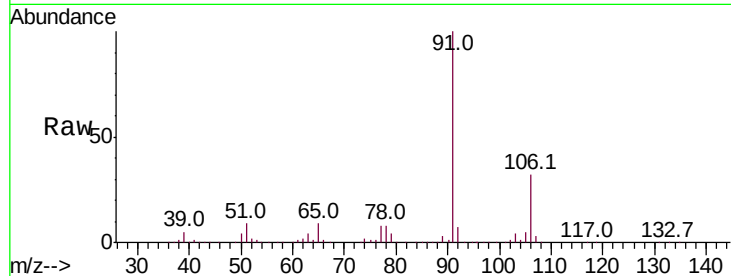
106 31.7 25.4 38.2

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#68

m/p-Xylenes

Concen: 40.640 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX011023.D

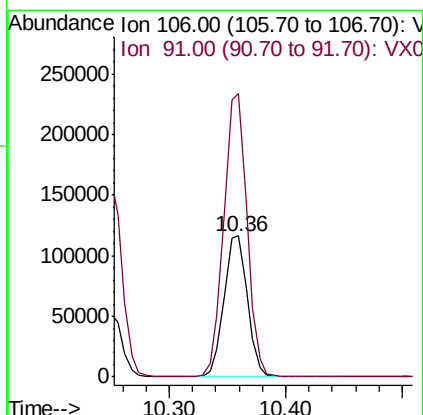
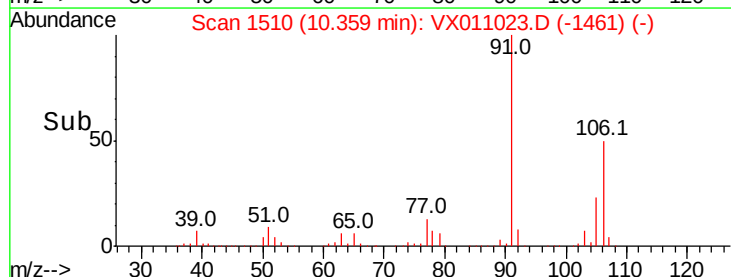
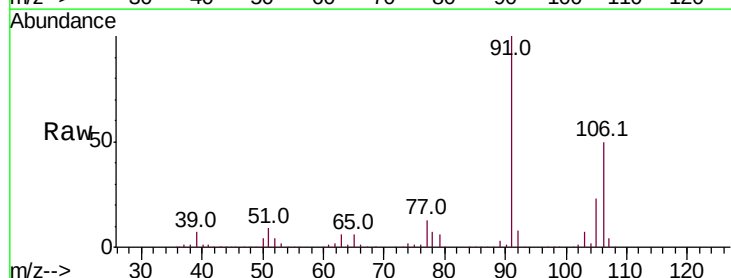
Acq: 22 Jul 2019 12:19

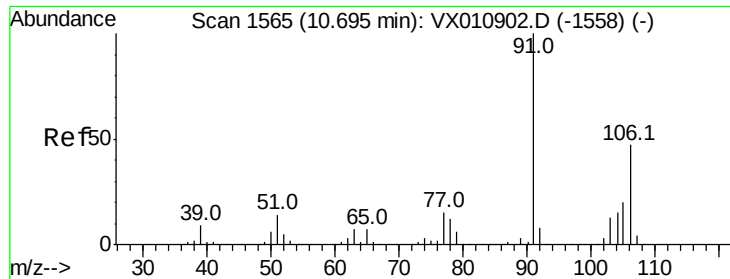
Tgt Ion: 106 Resp: 162240

Ion Ratio Lower Upper

106 100

91 199.3 160.1 240.1





#69

o-Xylene

Concen: 20.668 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VX011023.D

Acq: 22 Jul 2019 12:19

Instrument :

MSVOA_X

ClientSampleId :

VX0722MBS01

Tot Ion:106 Resp: 80523

Ion Ratio Lower Upper

106 100

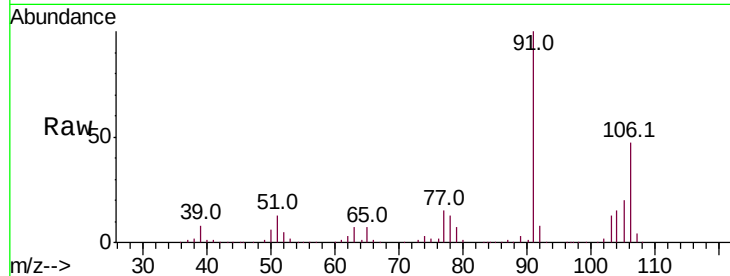
91 207.7 105.1 315.3

Manual Integrations

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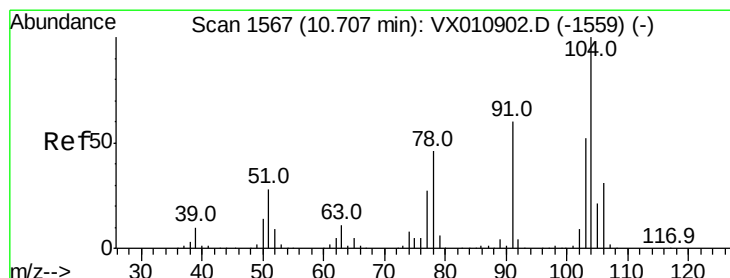
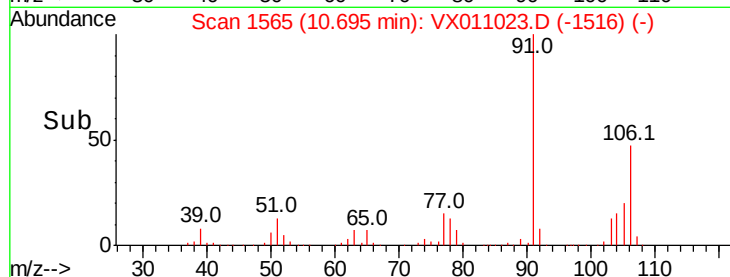
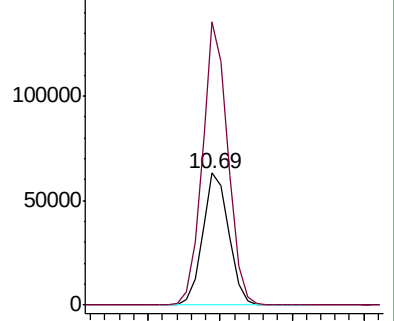
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#70

Styrene

Concen: 20.541 ug/l

RT: 10.71 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX011023.D

Acq: 22 Jul 2019 12:19

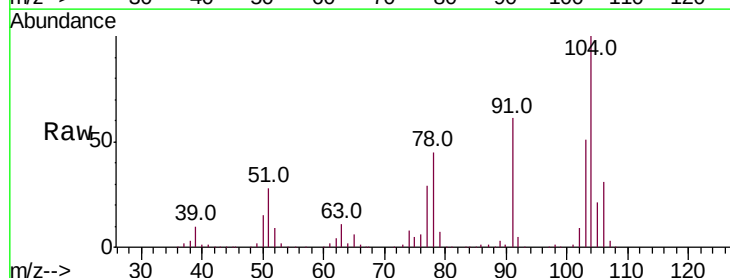
Tgt Ion:104 Resp: 133409

Ion Ratio Lower Upper

104 100

78 48.4 38.8 58.2

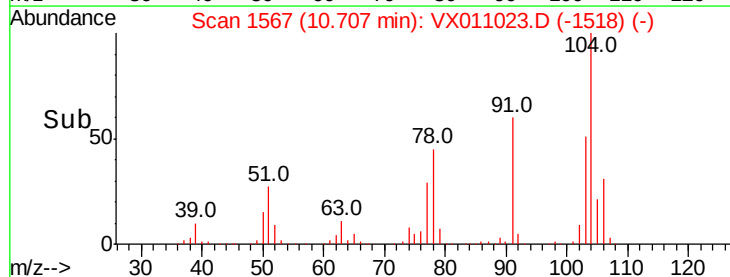
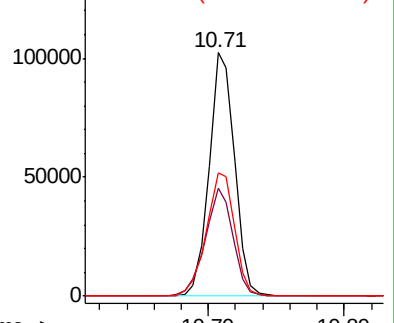
103 56.1 44.2 66.4

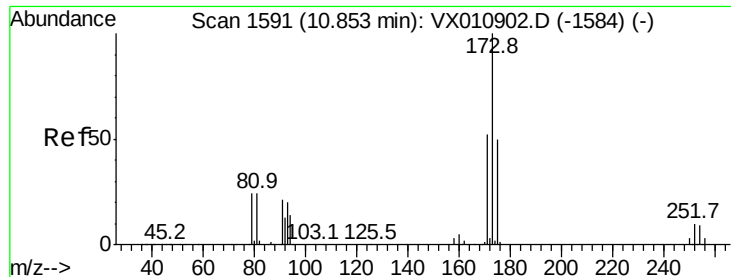


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.105 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011023.D

Acq: 22 Jul 2019 12:19

Instrument :

MSVOA_X

ClientSampleId :

VX0722MBS01

Tot Ion:173 Resp: 34133

Ion Ratio Lower Upper

173 100

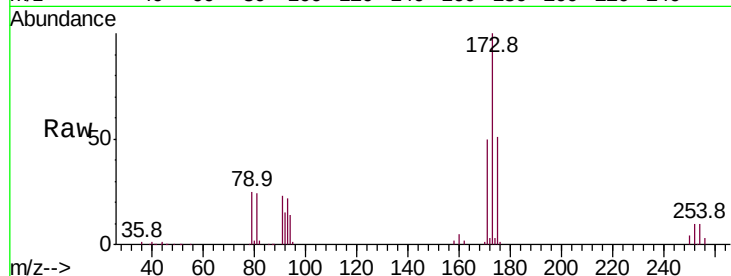
175 50.1 24.6 73.6

254 0.0 0.1 0.1#

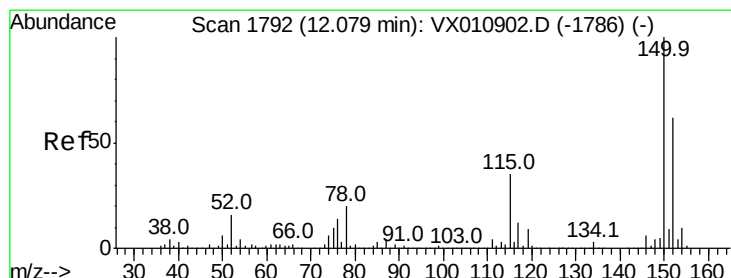
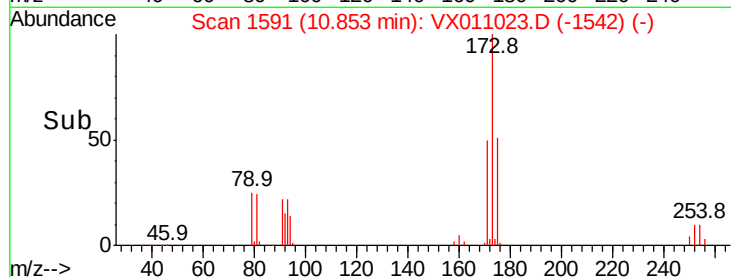
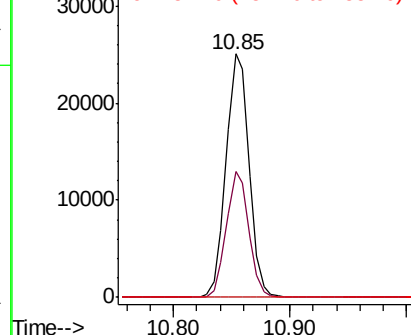
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX011023.D

Acq: 22 Jul 2019 12:19

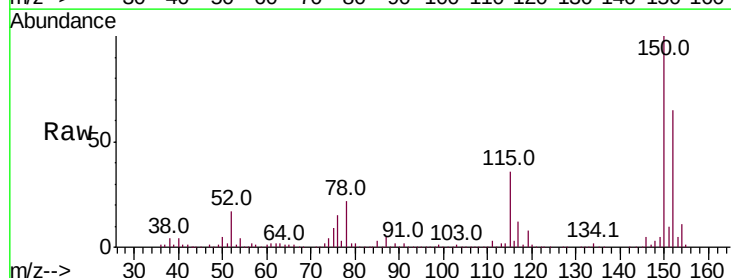
Tgt Ion:152 Resp: 150830

Ion Ratio Lower Upper

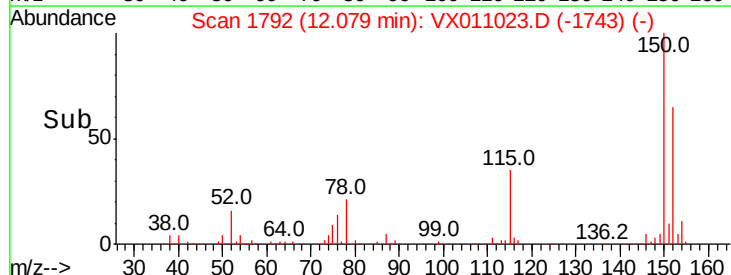
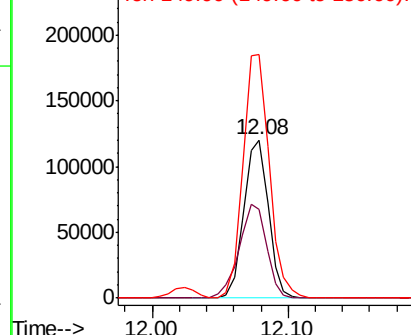
152 100

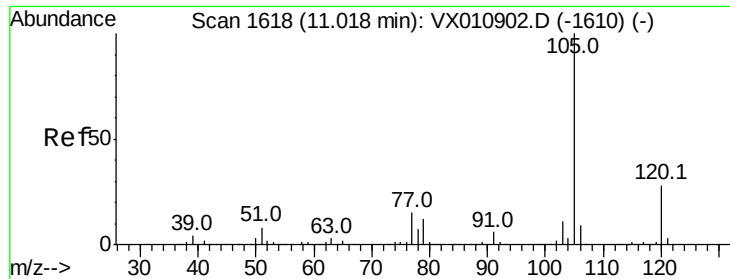
115 66.3 39.7 119.1

150 164.6 0.0 345.6



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





#73

Isopropylbenzene

Concen: 20.860 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX011023.D

Acq: 22 Jul 2019 12:19

Instrument :

MSVOA_X

ClientSampleId :

VX0722MBS01

Tot Ion:105 Resp: 212598

Ion Ratio Lower Upper

105 100

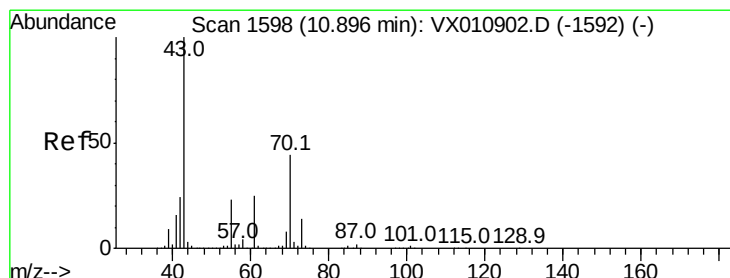
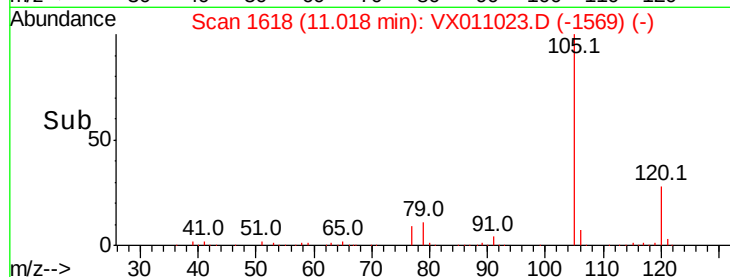
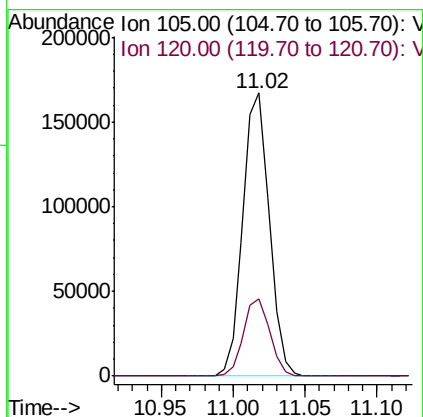
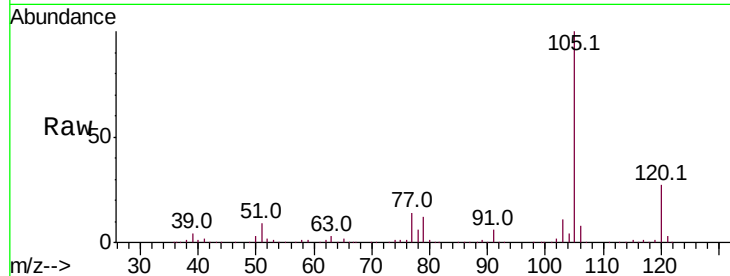
120 27.3 13.7 41.1

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#74

N-ethyl acetate

Concen: 20.941 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX011023.D

Acq: 22 Jul 2019 12:19

Tgt Ion: 43 Resp: 81548

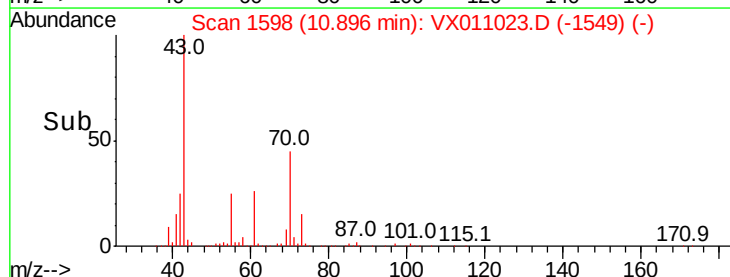
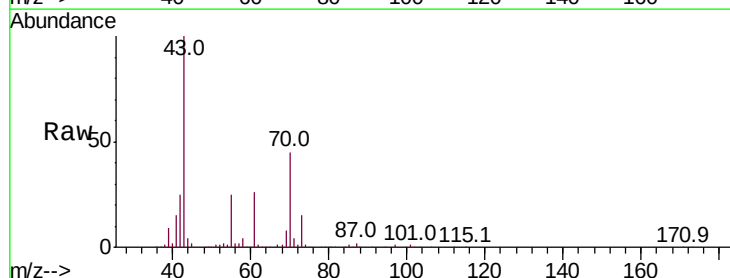
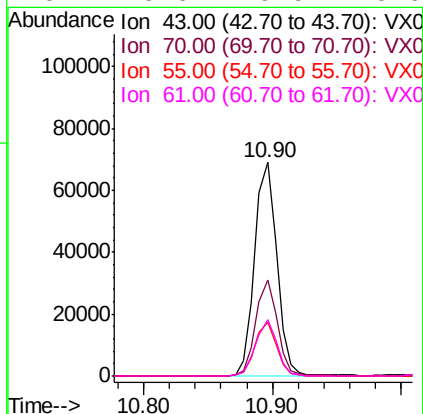
Ion Ratio Lower Upper

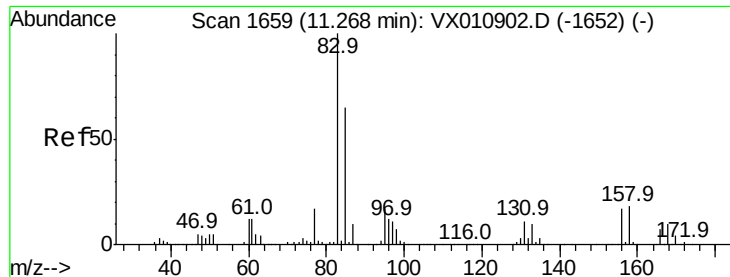
43 100

70 44.2 34.7 52.1

55 25.0 19.1 28.7

61 25.6 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.392 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX011023.D

Acq: 22 Jul 2019 12:19

Instrument :

MSVOA_X

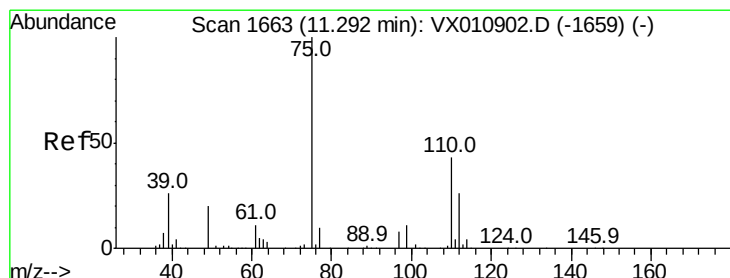
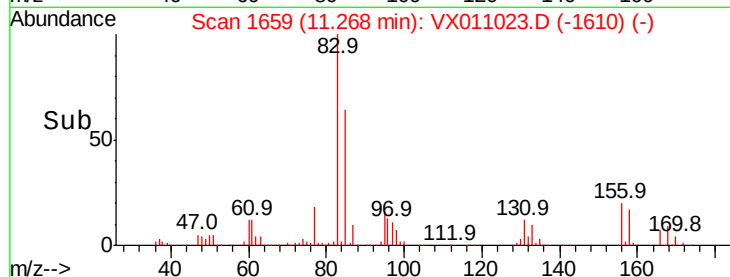
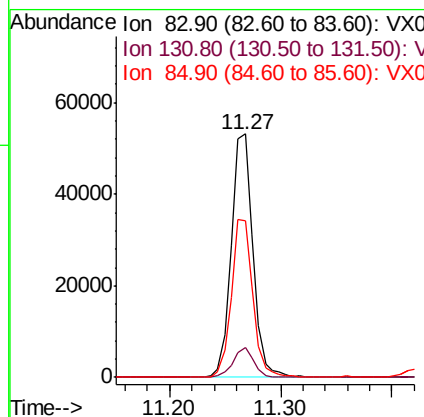
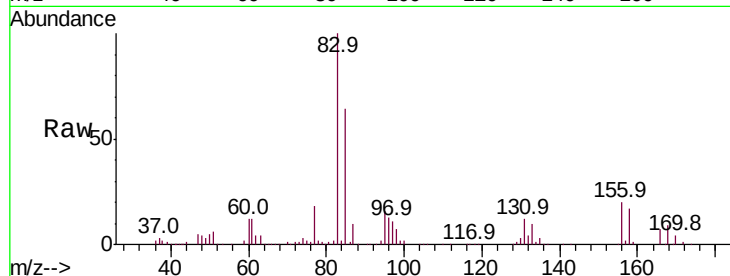
ClientSampleId :

VX0722MBS01

Tot Ion:	83	Resp:	71347
Ion	Ratio	Lower	Upper
83	100		
131	11.5	5.5	16.4
85	64.0	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.454 ug/l m

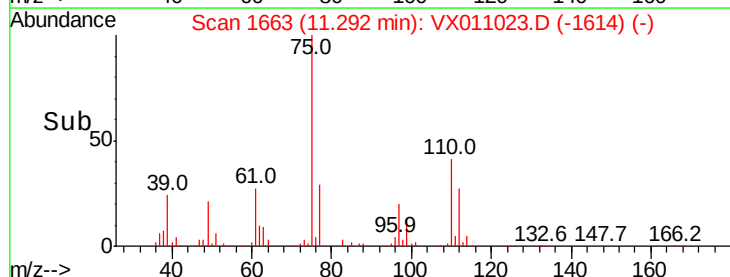
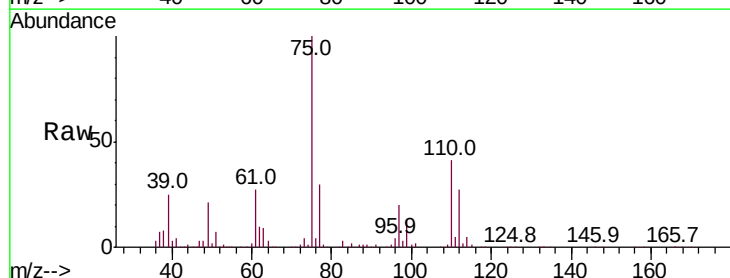
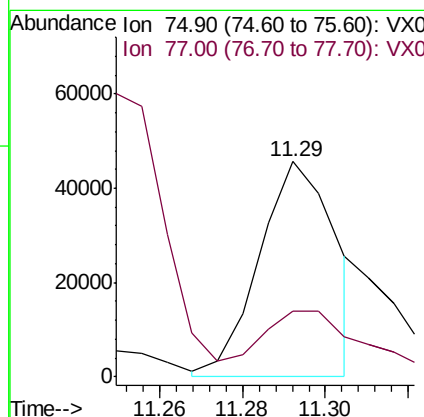
RT: 11.29 min Scan# 1663

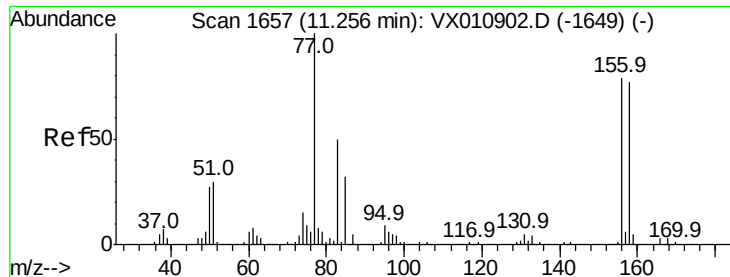
Delta R.T. -0.00 min

Lab File: VX011023.D

Acq: 22 Jul 2019 12:19

Tgt Ion:	75	Resp:	58395
Ion	Ratio	Lower	Upper
75	100		
77	42.1	21.3	64.0





#77

Bromobenzene

Concen: 20.876 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX011023.D

Acq: 22 Jul 2019 12:19

Instrument :

MSVOA_X

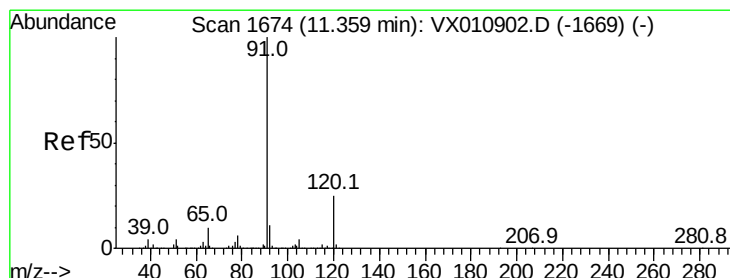
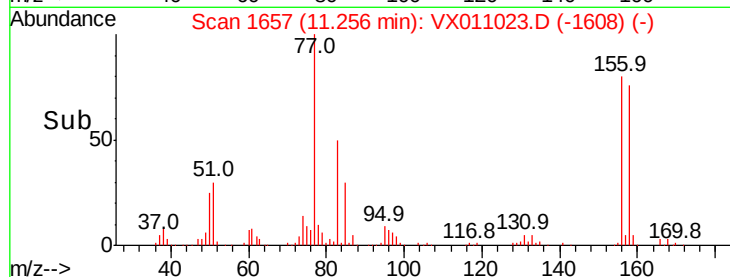
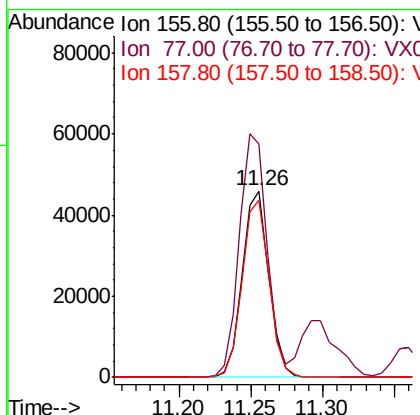
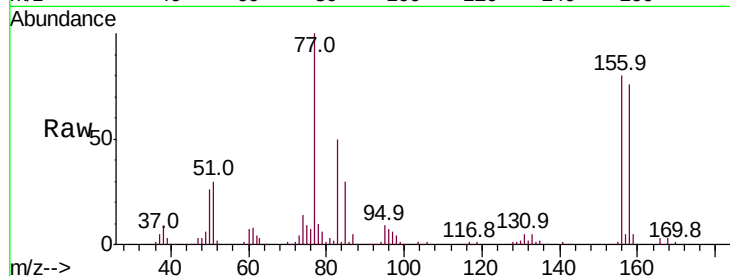
ClientSampleId :

VX0722MBS01

Tot Ion:	156	Resp:	58686
Ion	Ratio	Lower	Upper
156	100		
77	136.8	68.7	206.1
158	96.2	47.9	143.7

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#78

n-propylbenzene

Concen: 21.066 ug/l

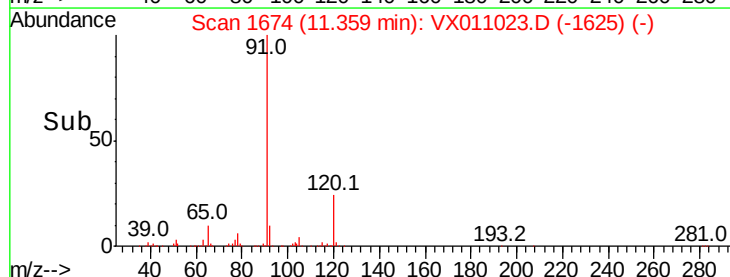
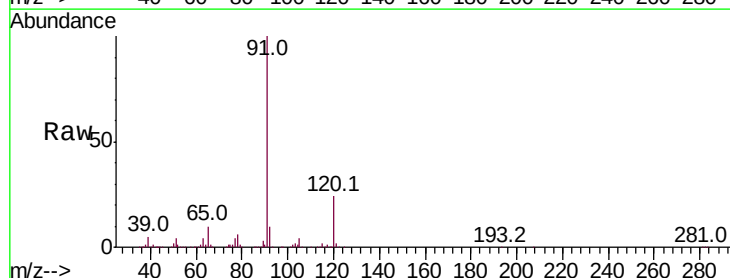
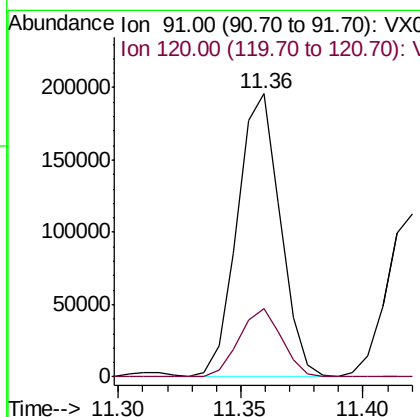
RT: 11.36 min Scan# 1674

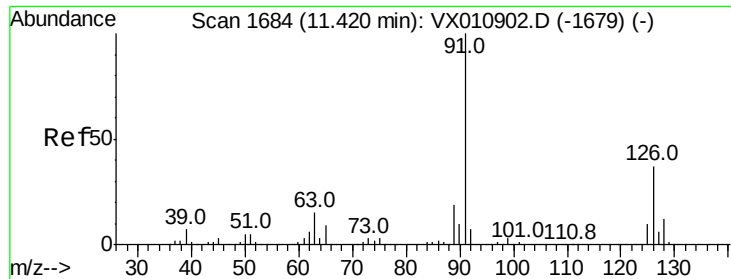
Delta R.T. -0.00 min

Lab File: VX011023.D

Acq: 22 Jul 2019 12:19

Tgt Ion:	91	Resp:	237217
Ion	Ratio	Lower	Upper
91	100		
120	24.2	12.3	36.8





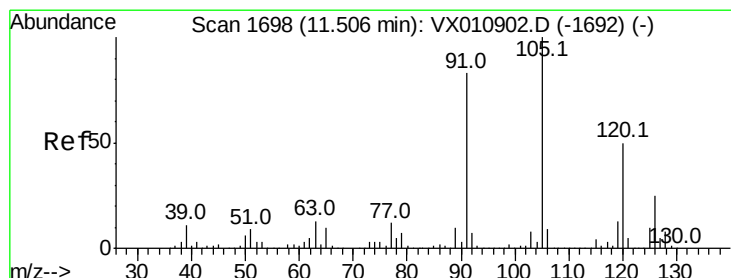
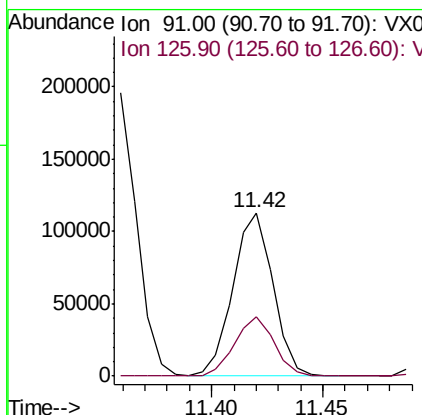
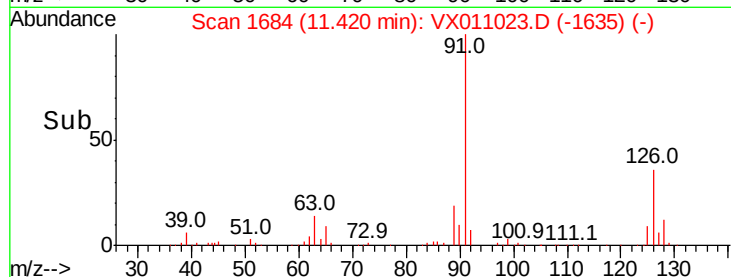
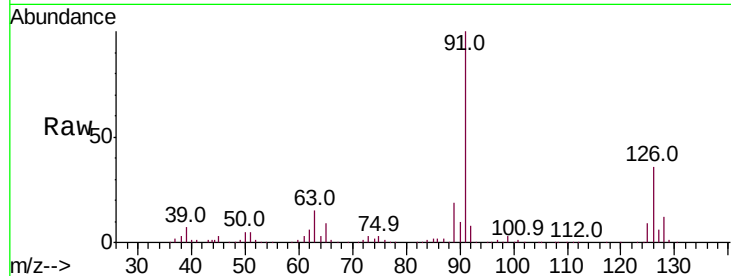
#79
 2-Chlorotoluene
 Concen: 20.802 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX011023.D
 Acq: 22 Jul 2019 12:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0722MBS01

Tot Ion: 91 Resp: 140715
 Ion Ratio Lower Upper
 91 100
 126 36.1 18.0 54.0

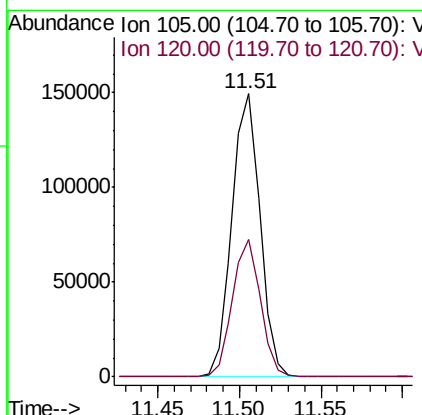
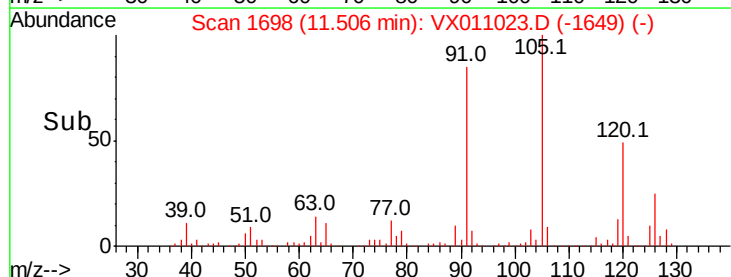
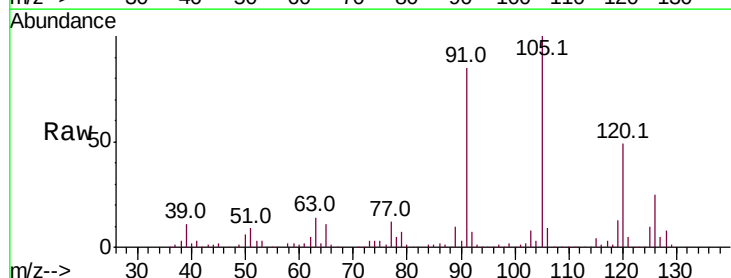
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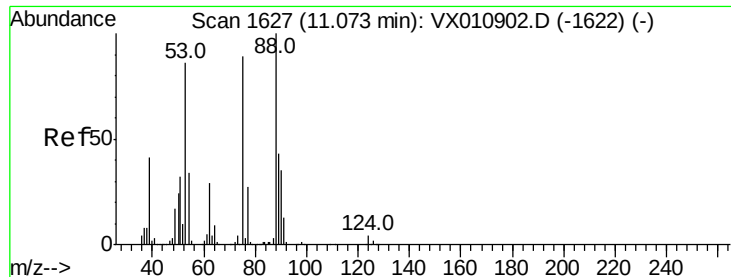
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.111 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX011023.D
 Acq: 22 Jul 2019 12:19

Tgt Ion:105 Resp: 179783
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.321 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX011023.D

Acq: 22 Jul 2019 12:19

Instrument :

MSVOA_X

ClientSampleId :

VX0722MBS01

Tot Ion: 75 Resp: 19074

Ion Ratio Lower Upper

75 100

53 102.7 76.7 115.1

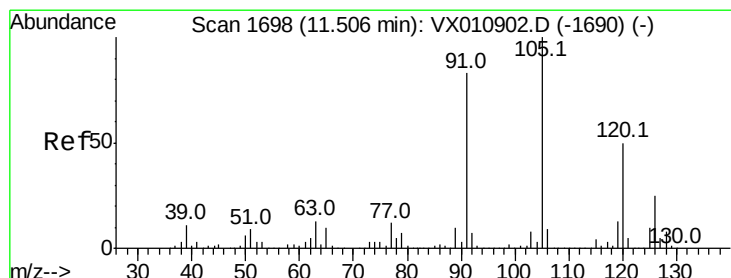
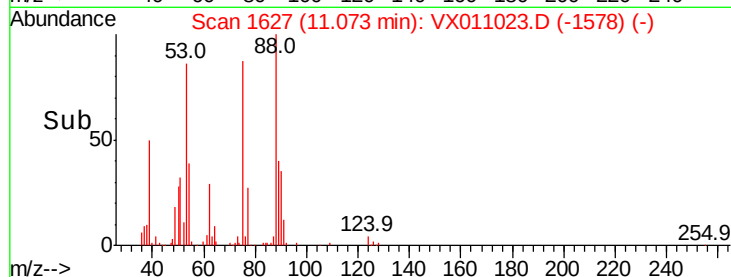
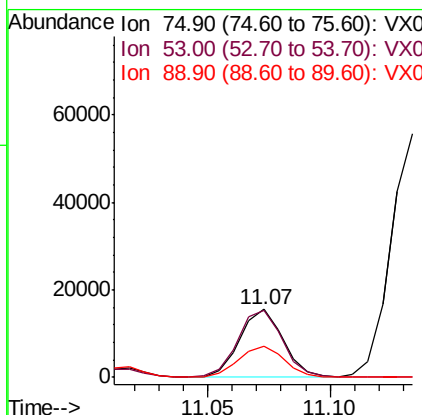
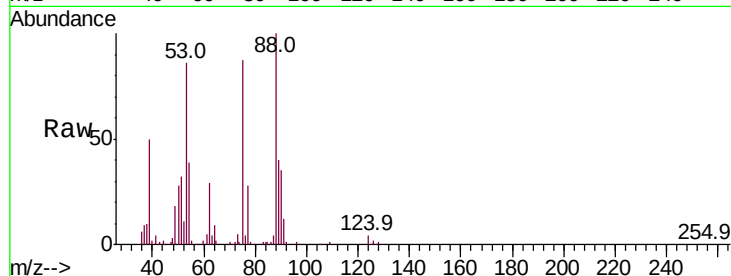
89 48.6 38.5 57.7

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#82

4-Chlorotoluene

Concen: 20.879 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011023.D

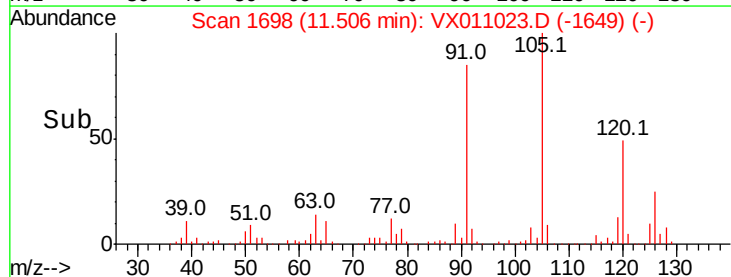
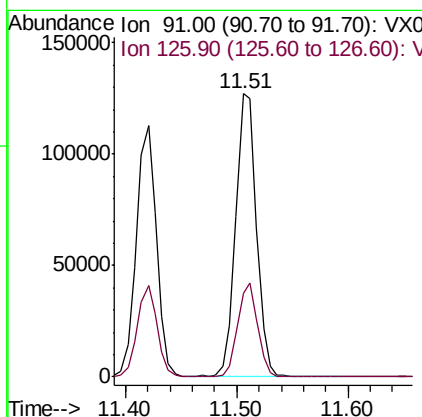
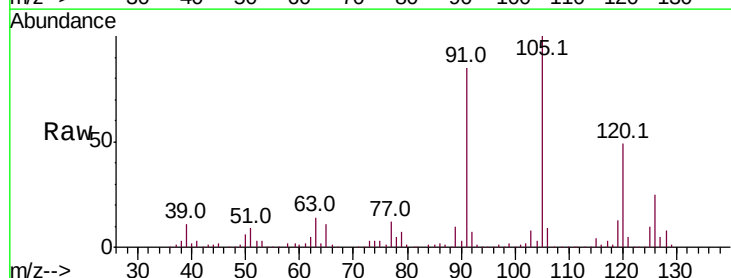
Acq: 22 Jul 2019 12:19

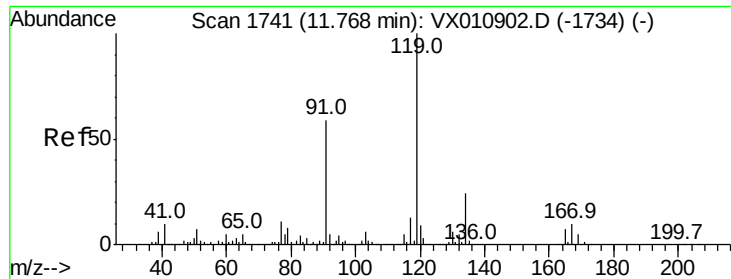
Tgt Ion: 91 Resp: 164391

Ion Ratio Lower Upper

91 100

126 31.8 15.9 47.7





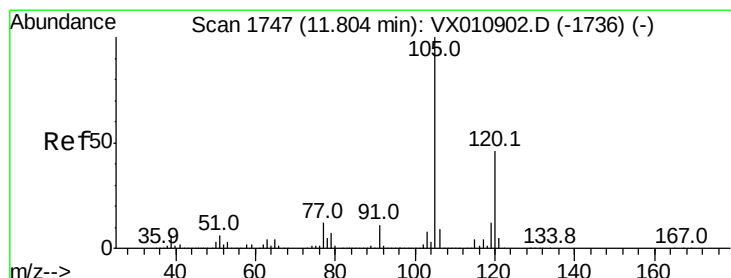
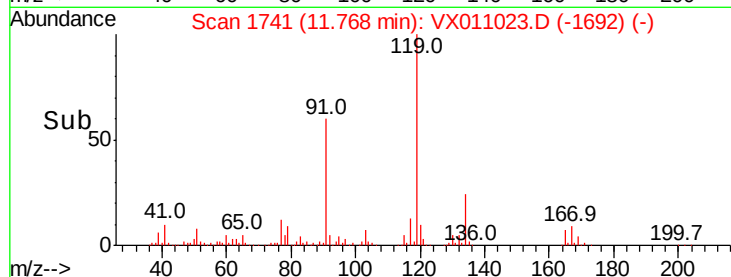
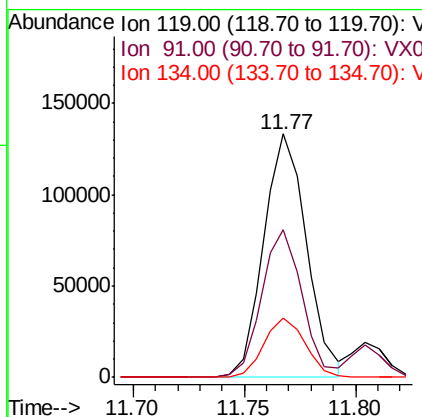
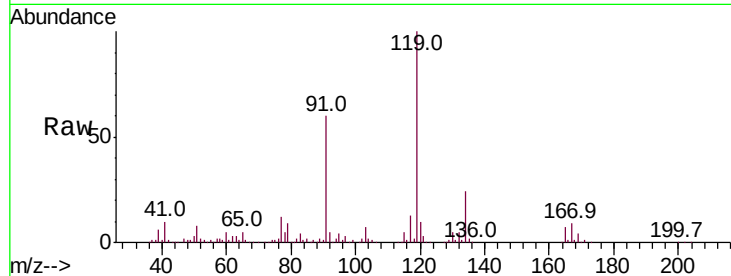
#83
tert-Butylbenzene
Concen: 21.266 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX011023.D
Acq: 22 Jul 2019 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0722MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	177891		
91	58.0		28.6	85.8
134	23.7		11.6	34.8

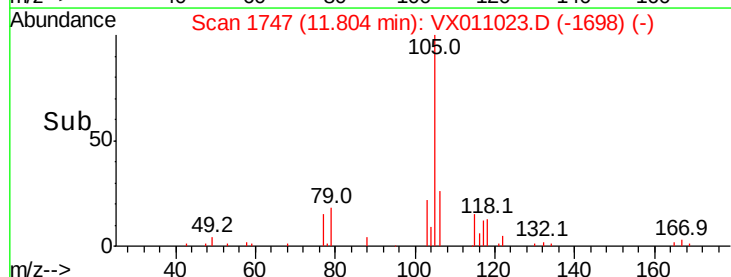
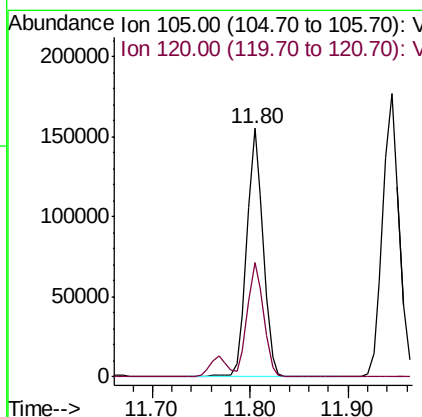
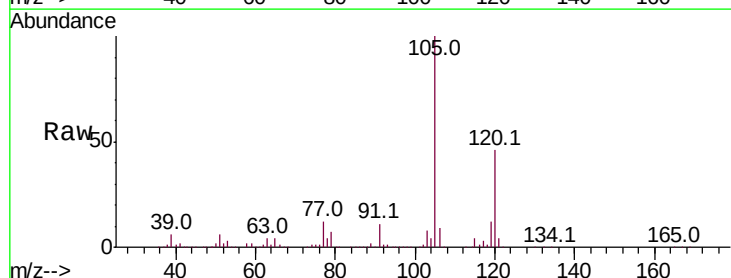
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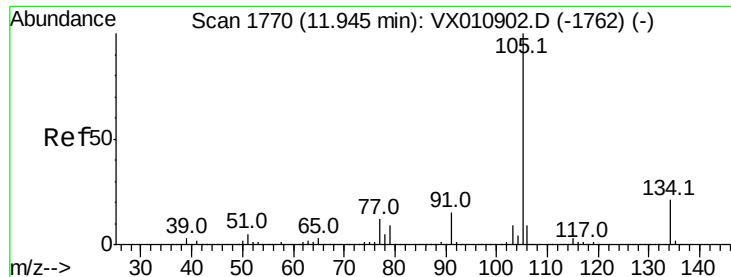
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#84
1,2,4-Trimethylbenzene
Concen: 20.973 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX011023.D
Acq: 22 Jul 2019 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	180022		
120	45.4		22.9	68.5





#85

sec-Butylbenzene

Concen: 21.159 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011023.D

Acq: 22 Jul 2019 12:19

Instrument :

MSVOA_X

ClientSampleId :

VX0722MBS01

Tot Ion:105 Resp: 207393

Ion Ratio Lower Upper

105 100

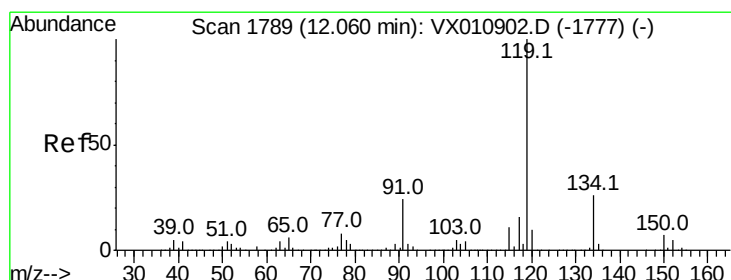
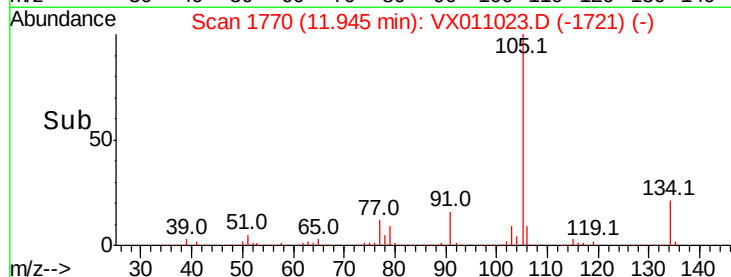
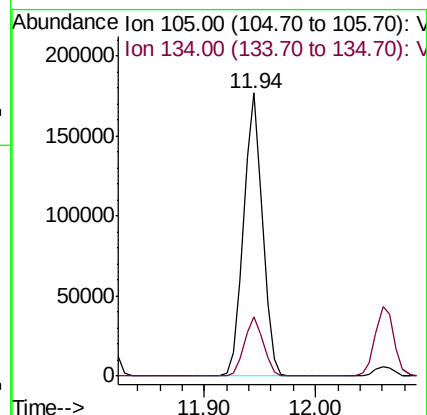
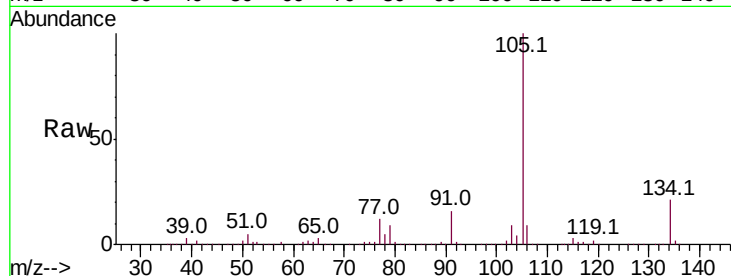
134 21.1 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 21.307 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX011023.D

Acq: 22 Jul 2019 12:19

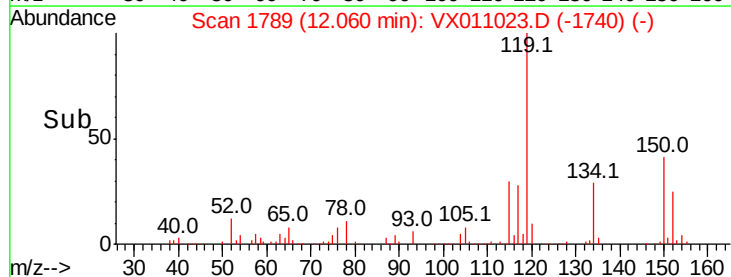
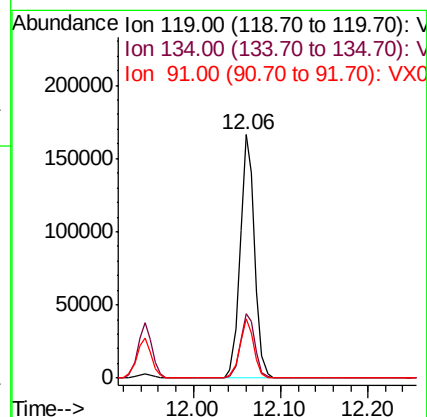
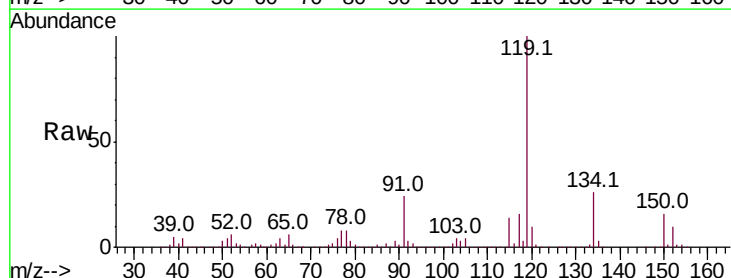
Tgt Ion:119 Resp: 193071

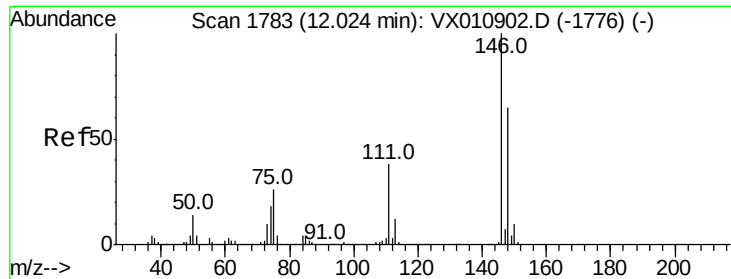
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

91 23.7 11.8 35.4





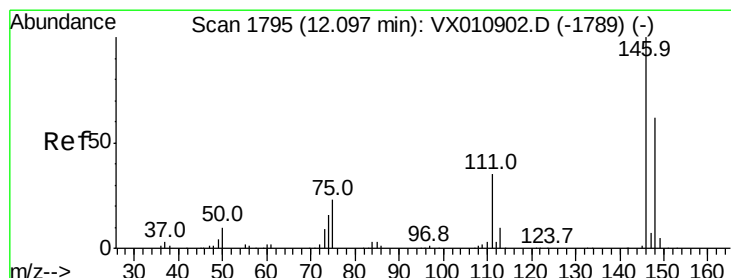
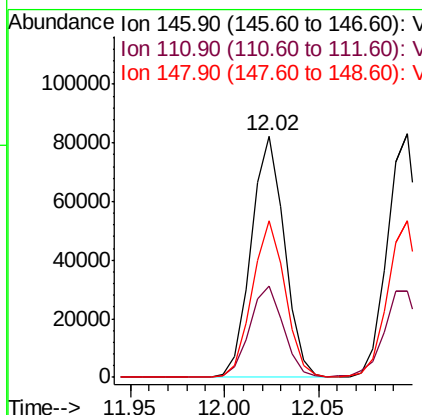
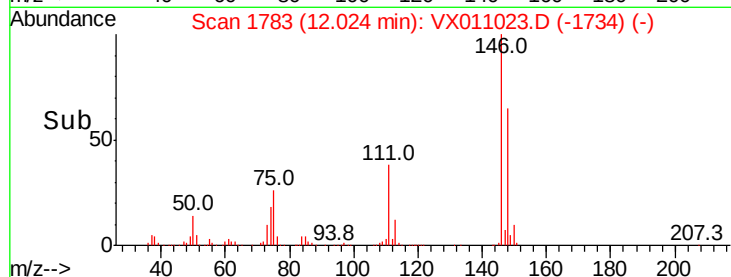
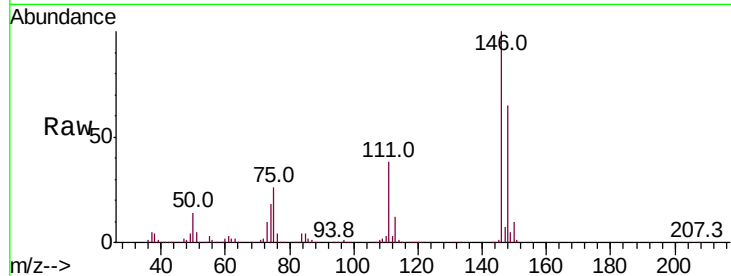
#87
 1,3-Dichlorobenzene
 Concen: 20.698 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX011023.D
 Acq: 22 Jul 2019 12:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0722MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.9	56.9
148	64.5	32.2	96.6

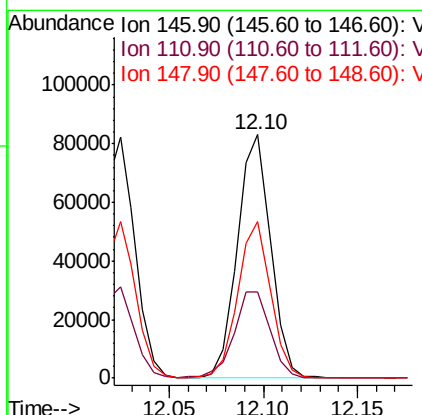
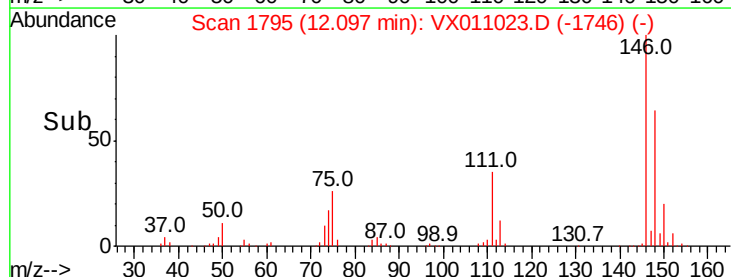
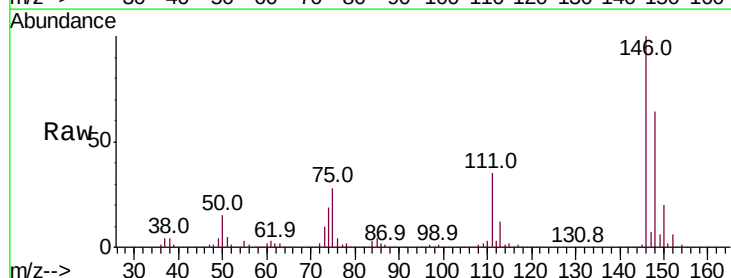
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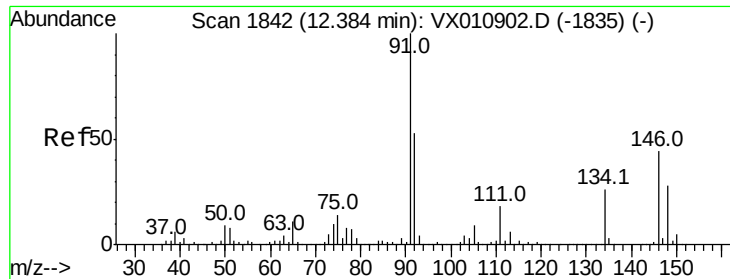
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#88
 1,4-Dichlorobenzene
 Concen: 20.328 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX011023.D
 Acq: 22 Jul 2019 12:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.6	55.8
148	63.5	31.6	94.7





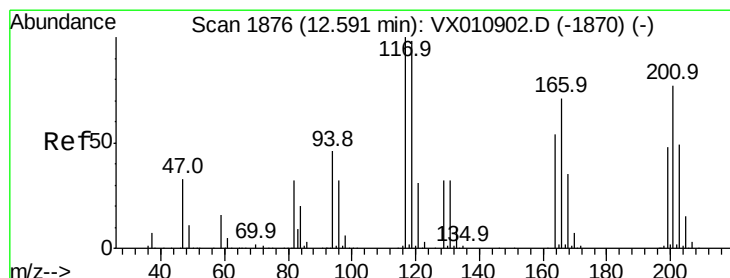
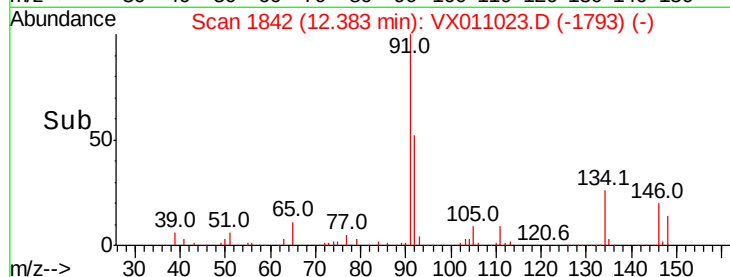
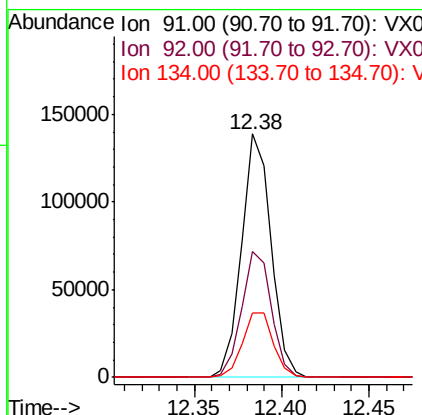
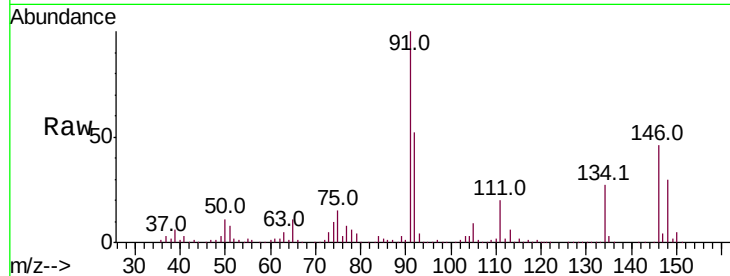
#89
n-Butylbenzene
Concen: 20.966 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX011023.D
Acq: 22 Jul 2019 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0722MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.2	78.5
134	27.9	13.8	41.3

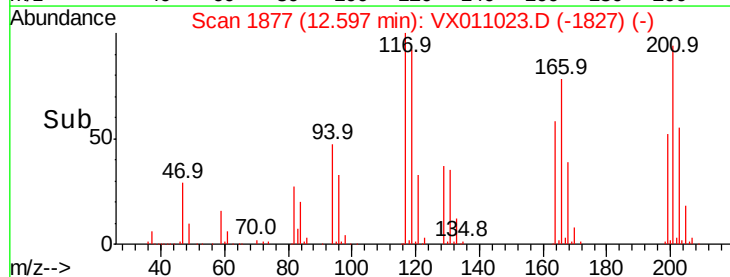
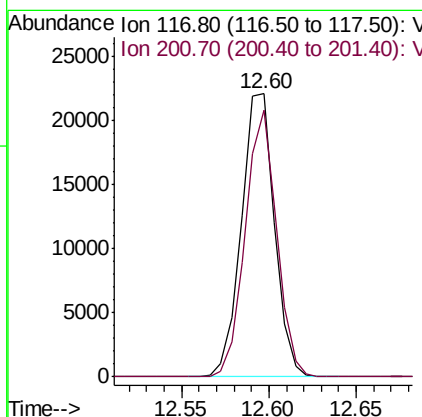
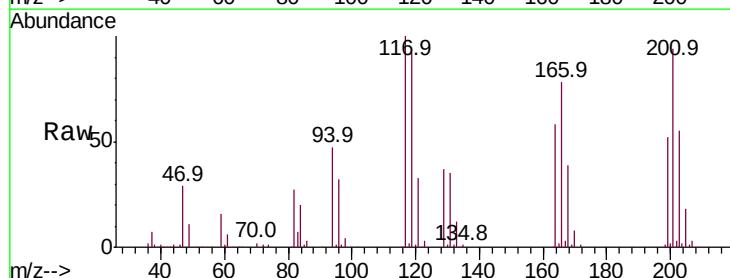
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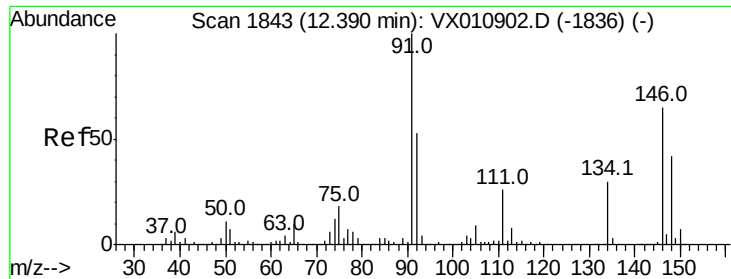
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#90
Hexachloroethane
Concen: 20.417 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VX011023.D
Acq: 22 Jul 2019 12:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.8	43.3	129.8





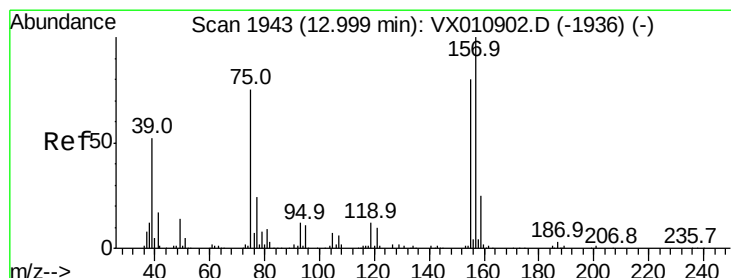
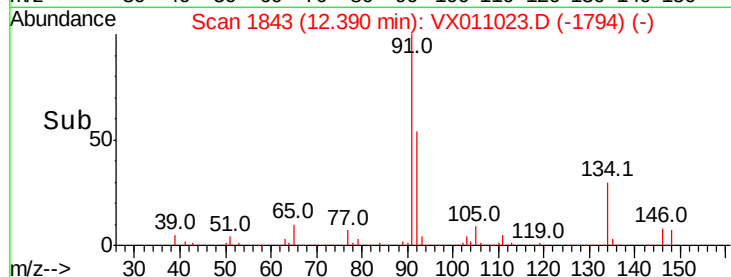
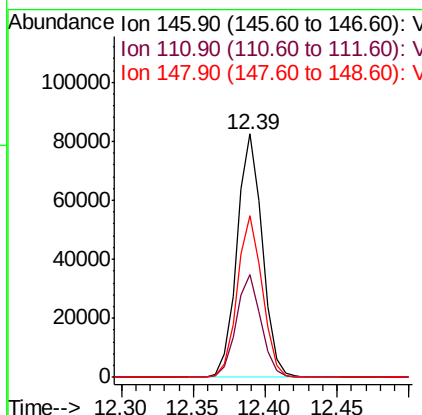
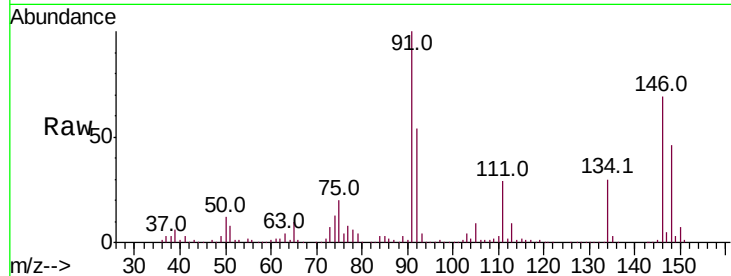
#91
 1,2-Dichlorobenzene
 Concen: 20.856 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX011023.D
 Acq: 22 Jul 2019 12:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0722MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	19.9	59.7
148	66.0	32.0	96.2

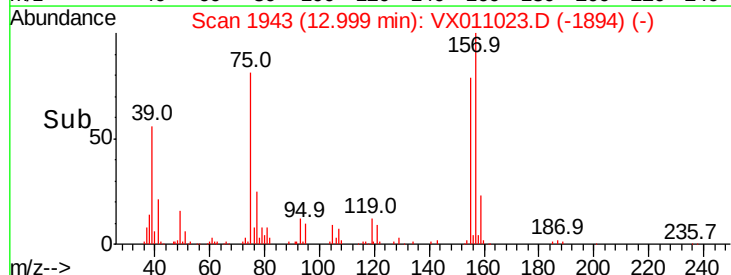
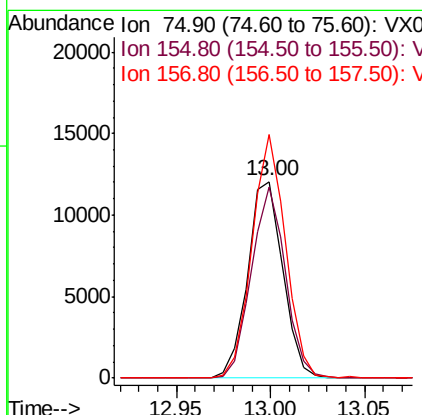
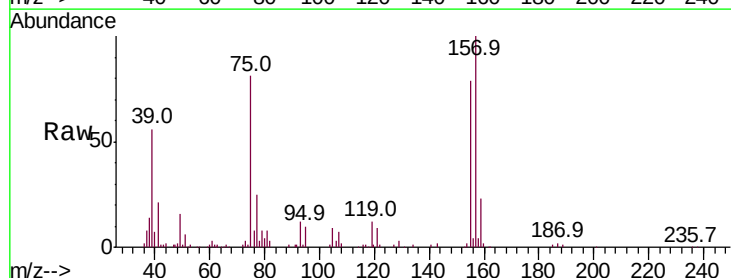
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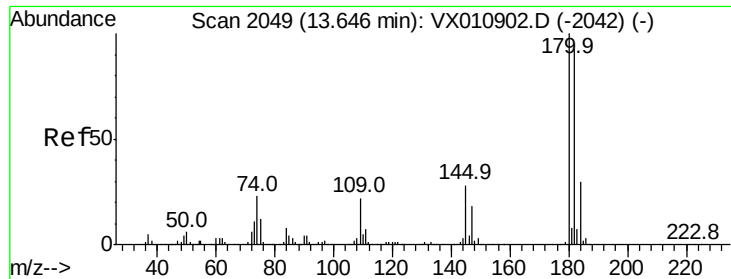
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.357 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX011023.D
 Acq: 22 Jul 2019 12:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.1	48.7	146.1
157	117.7	62.5	187.6





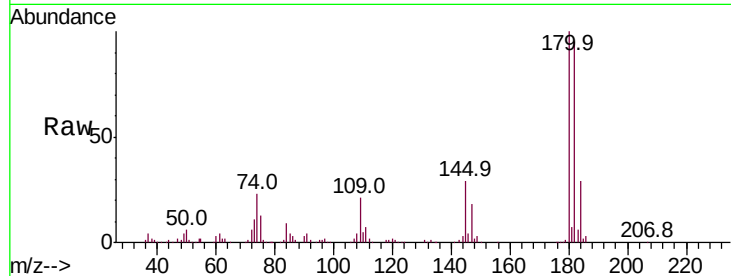
#93
1,2,4-Trichlorobenzene
Concen: 21.365 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX011023.D
Acq: 22 Jul 2019 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0722MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.1	141.3
145	29.7	14.8	44.4

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7/23/2019 11:11:18 AM

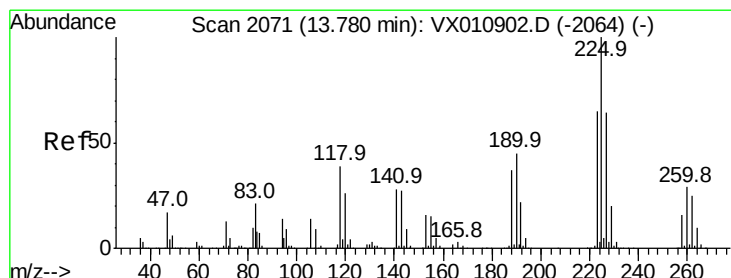
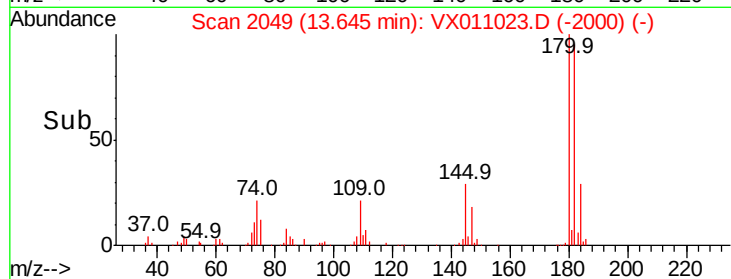
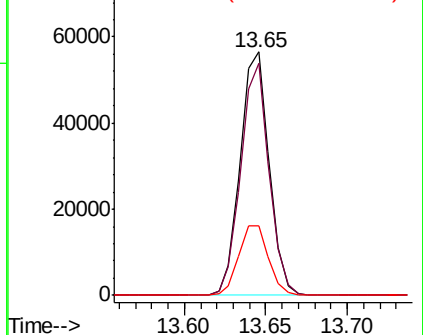


Abundance

Ion 179.80 (179.50 to 180.50): V

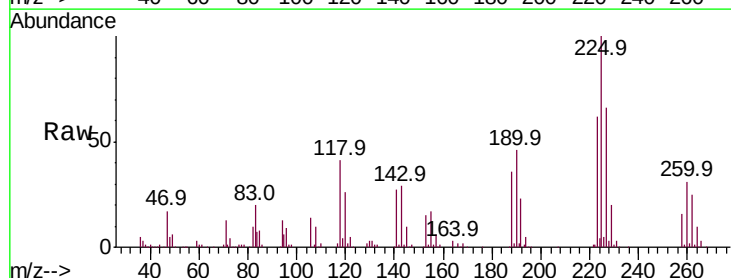
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 21.166 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VX011023.D
Acq: 22 Jul 2019 12:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.9	95.9
227	63.9	32.5	97.4

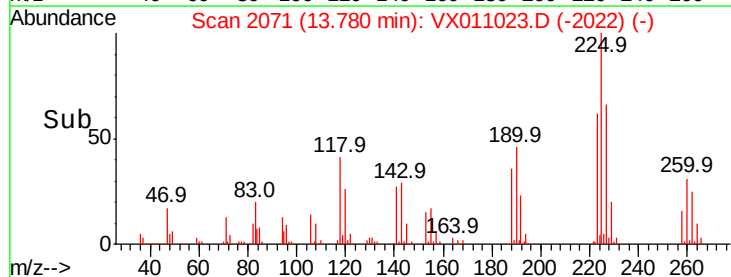
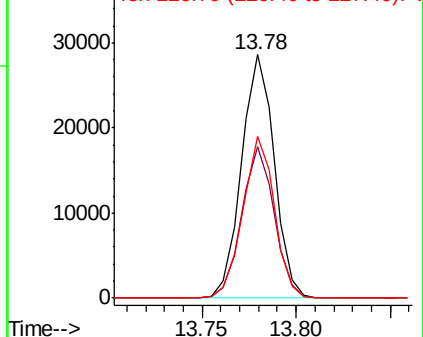


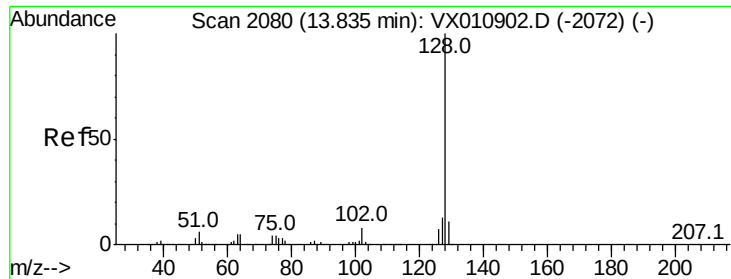
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





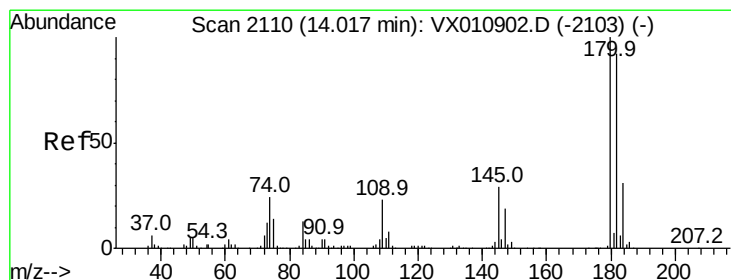
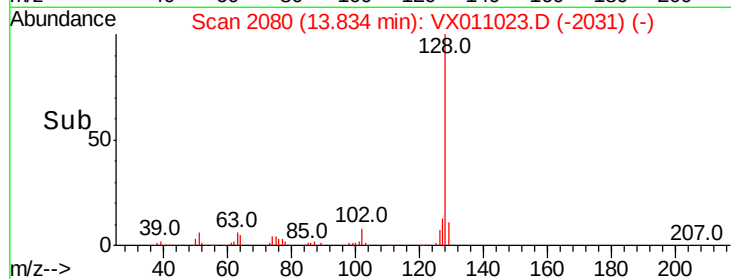
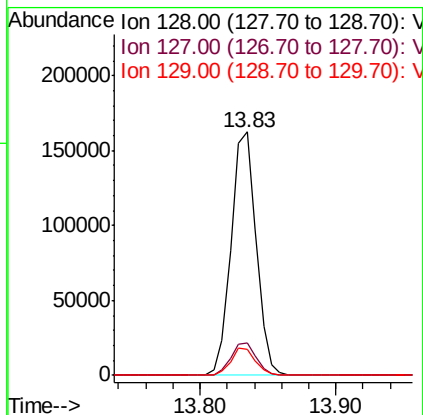
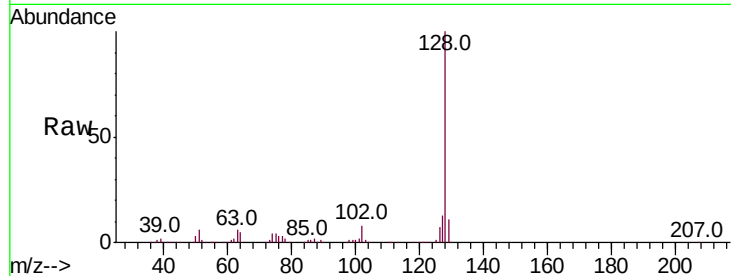
#95
Naphthalene
Concen: 21.467 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX011023.D
Acq: 22 Jul 2019 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0722MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.4	15.6
129	10.8	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
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#96
1,2,3-Trichlorobenzene
Concen: 21.448 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX011023.D
Acq: 22 Jul 2019 12:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.4	142.3
145	31.6	15.1	45.3

