

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051719\
 Data File : VX009665.D
 Acq On : 17 May 2019 16:34
 Operator : JC/SP
 Sample : VX0517WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS02

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 11:12:06 AM

Quant Time: May 18 05:35:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	153412	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	236980	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	213832	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	108601	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	98916	47.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.46%	
35) Dibromofluoromethane	5.49	113	72702	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
50) Toluene-d8	8.71	98	288914	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	
62) 4-Bromofluorobenzene	11.13	95	108071	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	24646	17.434	ug/l	98
3) Chloromethane	1.33	50	38658	20.029	ug/l	100
4) Vinyl Chloride	1.41	62	36756	19.529	ug/l	98
5) Bromomethane	1.64	94	24318	21.527	ug/l	98
6) Chloroethane	1.71	64	22998	19.032	ug/l	95
7) Trichlorofluoromethane	1.92	101	47371	20.706	ug/l	96
8) Diethyl Ether	2.19	74	22715	20.961	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	29880	20.798	ug/l	98
10) Methyl Iodide	2.51	142	31949	21.975	ug/l	98
11) Tert butyl alcohol	3.06	59	56075	115.674	ug/l	98
12) 1,1-Dichloroethene	2.37	96	28428	19.749	ug/l	93
13) Acrolein	2.29	56	42102	95.899	ug/l	96
14) Allyl chloride	2.73	41	69959	19.943	ug/l	98
15) Acrylonitrile	3.14	53	128799	108.664	ug/l	99
16) Acetone	2.45	43	128501	114.270	ug/l	99
17) Carbon Disulfide	2.57	76	73377	18.157	ug/l	100
18) Methyl Acetate	2.78	43	58387	21.832	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	116943	20.921	ug/l	100
20) Methylene Chloride	2.85	84	36170	19.865	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	30960	19.832	ug/l	97
22) Diisopropyl ether	3.86	45	142881	21.180	ug/l	94
23) Vinyl Acetate	3.81	43	628056	108.720	ug/l	99
24) 1,1-Dichloroethane	3.70	63	67706	20.345	ug/l	100
25) 2-Butanone	4.67	43	199320	114.061	ug/l	99
26) 2,2-Dichloropropane	4.58	77	51583	20.824	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	37972	20.379	ug/l	99
28) Bromochloromethane	5.01	49	21292	13.915	ug/l	96
29) Tetrahydrofuran	5.13	42	127445	113.335	ug/l	99
30) Chloroform	5.21	83	63398	21.063	ug/l	98
31) Cyclohexane	5.57	56	62580	20.212	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	50724	20.244	ug/l	99
36) 1,1-Dichloropropene	5.80	75	46317	21.031	ug/l	99
37) Ethyl Acetate	4.84	43	72103	23.498	ug/l	99
38) Carbon Tetrachloride	5.78	117	42300	21.140	ug/l	94

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Quant Time: May 18 05:35:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	57423	21.231	ug/l	97
40) Benzene	6.14	78	144097	21.142	ug/l	100
41) Methacrylonitrile	5.04	41	39714	21.743	ug/l	96
42) 1,2-Dichloroethane	6.20	62	52874	21.626	ug/l	100
43) Isopropyl Acetate	6.45	43	109780	22.367	ug/l	100
44) Trichloroethene	7.21	130	34488	20.931	ug/l	97
45) 1,2-Dichloropropane	7.51	63	42437	21.989	ug/l	96
46) Dibromomethane	7.66	93	23525	20.991	ug/l	98
47) Bromodichloromethane	7.90	83	47884	21.419	ug/l	96
48) Methyl methacrylate	7.77	41	55620	22.841	ug/l	98
49) 1,4-Dioxane	7.74	88	22912	463.972	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	375883	117.168	ug/l	99
52) Toluene	8.78	92	89240	21.540	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	54449	21.573	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	60377	21.612	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	37648	22.273	ug/l	99
56) Ethyl methacrylate	9.18	69	66862	22.160	ug/l	99
57) 1,3-Dichloropropane	9.37	76	64505	21.686	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	137031	85.611	ug/l	100
59) 2-Hexanone	9.49	43	302244	119.959	ug/l	98
60) Dibromochloromethane	9.58	129	35423	21.457	ug/l	99
61) 1,2-Dibromoethane	9.67	107	37233	21.822	ug/l	98
64) Tetrachloroethene	9.34	164	31654	21.580	ug/l	98
65) Chlorobenzene	10.14	112	92463	21.616	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	32983	21.268	ug/l	99
67) Ethyl Benzene	10.25	91	170388	21.644	ug/l	98
68) m/p-Xylenes	10.36	106	126548	43.989	ug/l	99
69) o-Xylene	10.70	106	61383	21.626	ug/l	98
70) Styrene	10.71	104	107330	21.756	ug/l	98
71) Bromoform	10.85	173	26315	20.881	ug/l #	99
73) Isopropylbenzene	11.02	105	167438	21.202	ug/l	99
74) N-amyl acetate	10.90	43	98652	21.426	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	63206	21.469	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	53383m	21.191	ug/l	
77) Bromobenzene	11.26	156	41235	21.037	ug/l	100
78) n-propylbenzene	11.36	91	191635	21.248	ug/l	100
79) 2-Chlorotoluene	11.42	91	114296	20.541	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	142983	21.503	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	19587	19.894	ug/l	91
82) 4-Chlorotoluene	11.51	91	132663	21.104	ug/l	100
83) tert-Butylbenzene	11.77	119	136343	21.077	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	142138	21.296	ug/l	99
85) sec-Butylbenzene	11.94	105	164410	21.438	ug/l	100
86) p-Isopropyltoluene	12.06	119	148729	21.572	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	73531	21.043	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	75018	21.294	ug/l	99
89) n-Butylbenzene	12.38	91	135943	21.816	ug/l	99
90) Hexachloroethane	12.60	117	23723	20.197	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	75124	21.107	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14551	22.033	ug/l	97

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Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	53579	22.014	ug/l	99
94) Hexachlorobutadiene	13.78	225	28118	22.623	ug/l	99
95) Naphthalene	13.83	128	171643	21.677	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	53921	21.856	ug/l	99

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

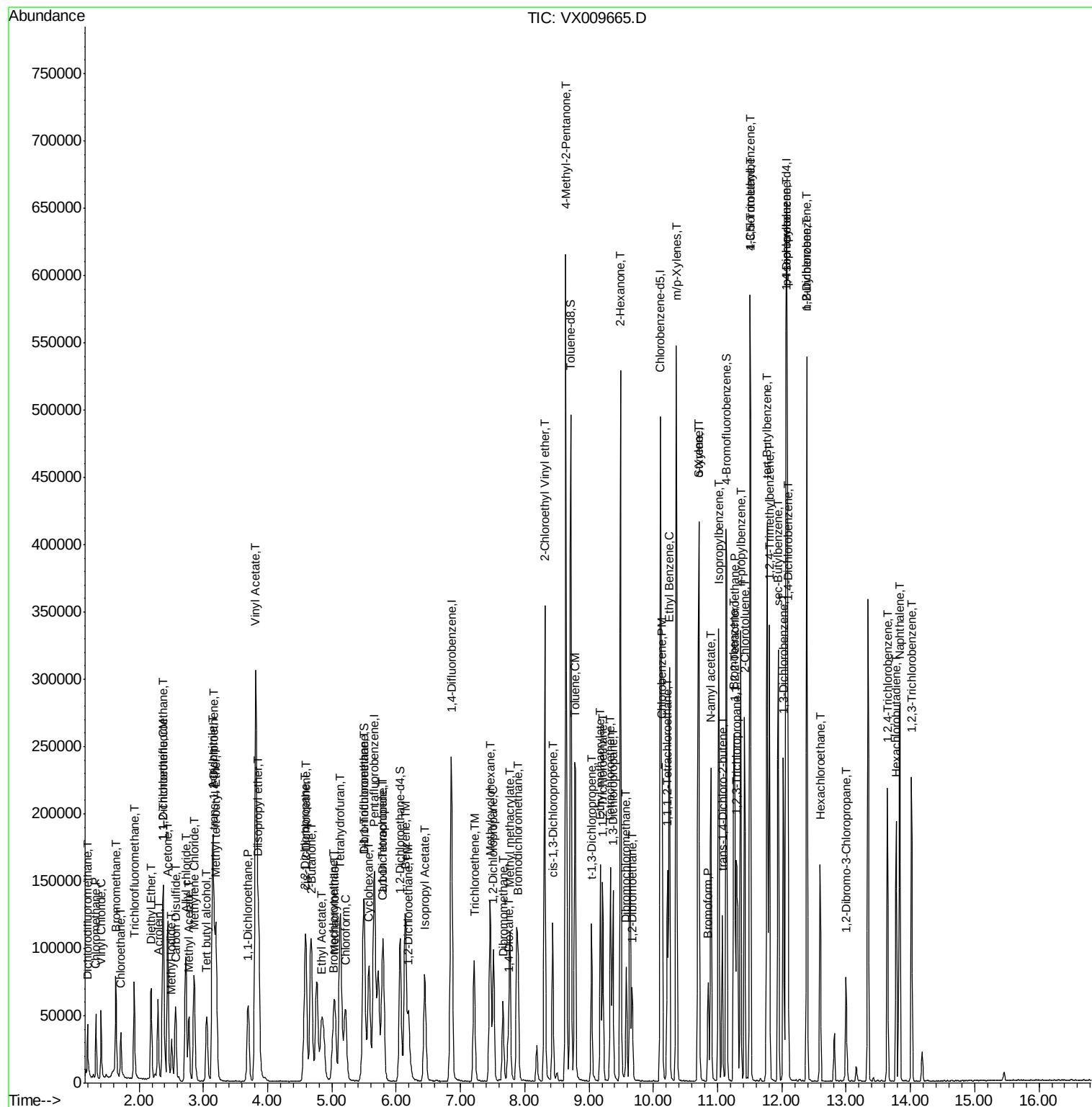
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX051719\
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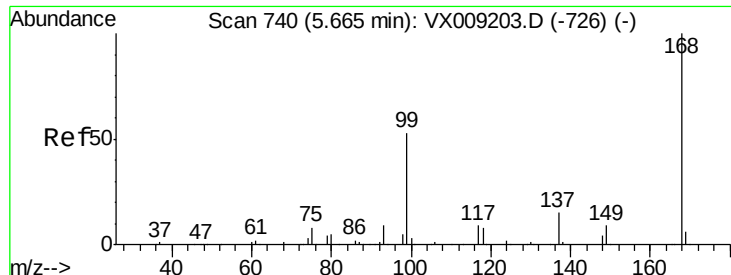
Instrument :
 MSVOA_X
 Client Sampled :
 VX0517WBS02

Manual Integrations
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Quant Time: May 18 05:35:17 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS02

Tot Ion:168 Resp: 153412

Ion Ratio Lower Upper

168 100

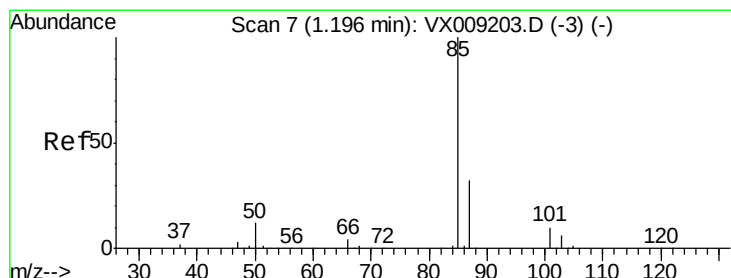
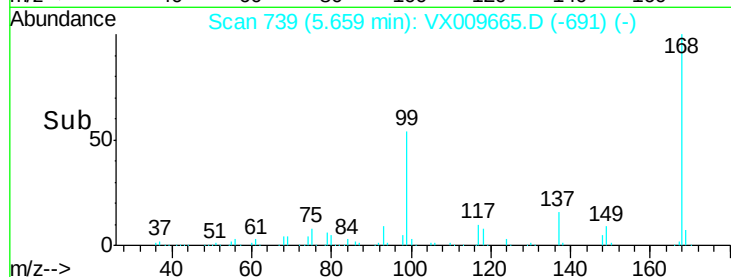
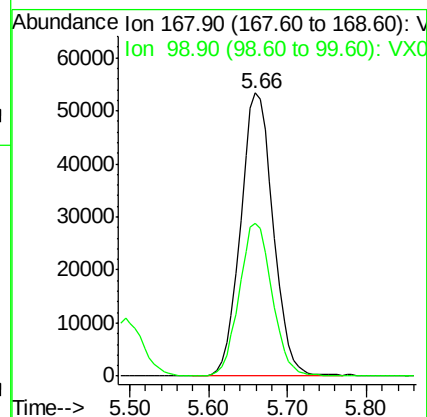
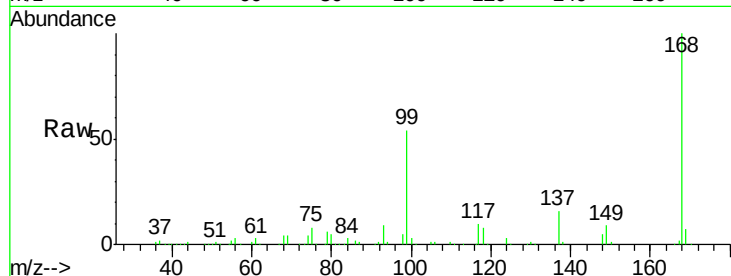
99 54.0 42.3 63.5

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 17.434 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009665.D

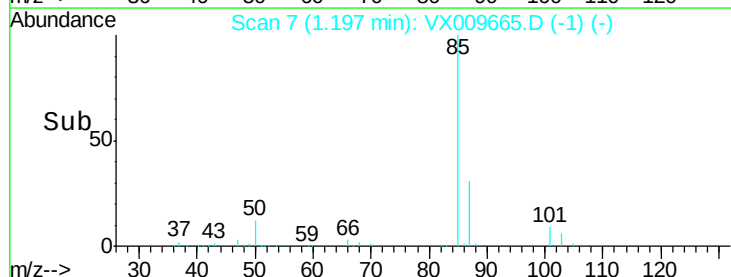
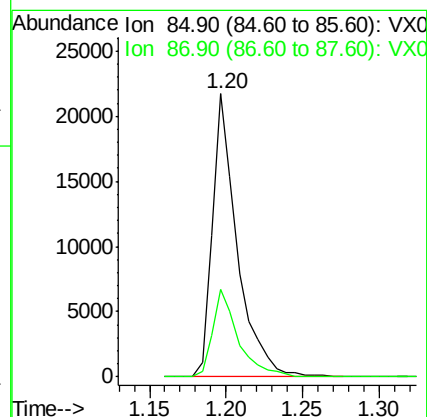
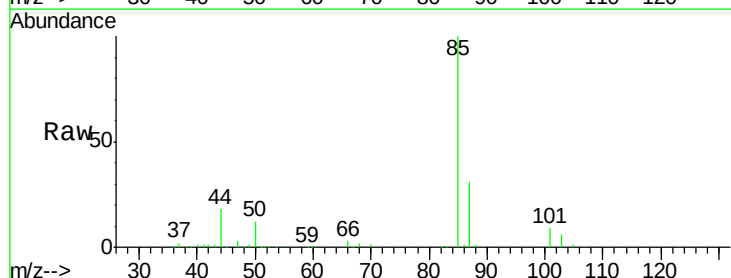
Acq: 17 May 2019 16:34

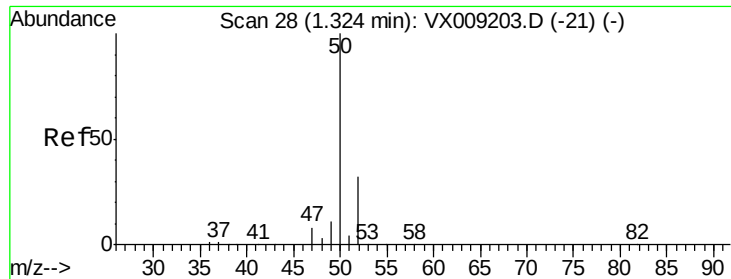
Tgt Ion: 85 Resp: 24646

Ion Ratio Lower Upper

85 100

87 30.8 16.1 48.3





#3

Chloromethane

Concen: 20.029 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS02

Tot Ion: 50 Resp: 38658

Ion Ratio Lower Upper

50 100

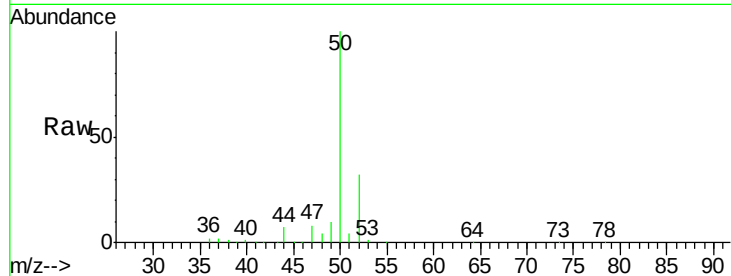
52 32.2 25.9 38.9

Manual Integrations

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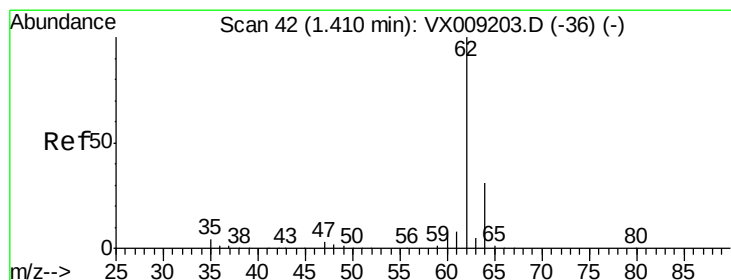
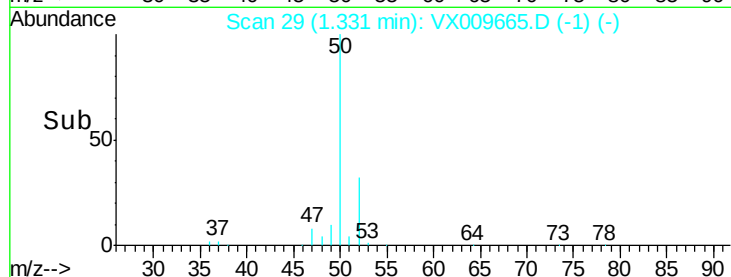
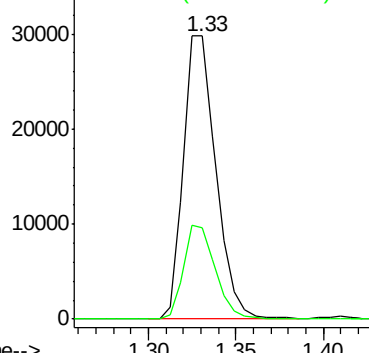
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.529 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009665.D

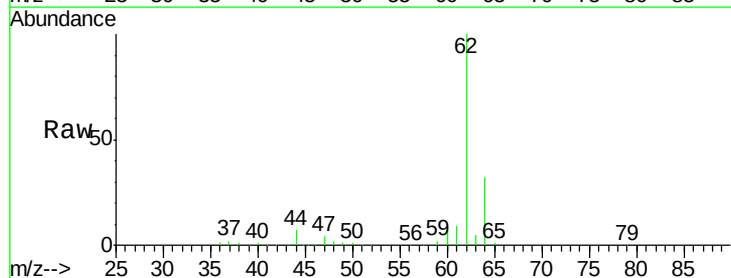
Acq: 17 May 2019 16:34

Tgt Ion: 62 Resp: 36756

Ion Ratio Lower Upper

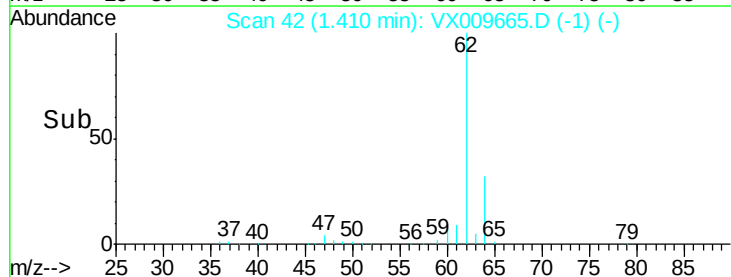
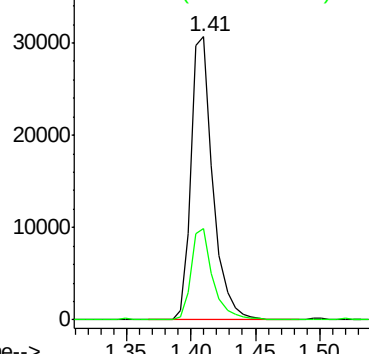
62 100

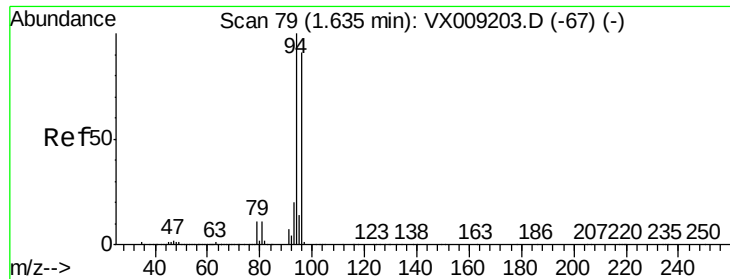
64 31.9 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 21.527 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

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ClientSampleId :

VX0517WBS02

Tot Ion: 94 Resp: 24318

Ion Ratio Lower Upper

94 100

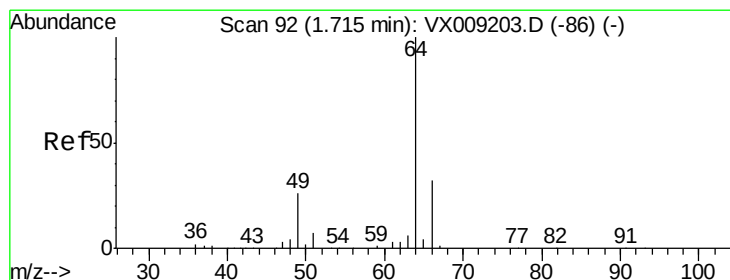
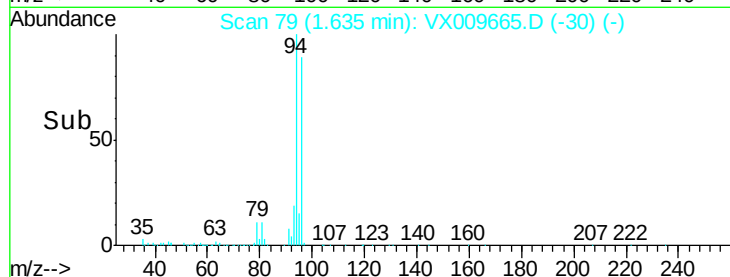
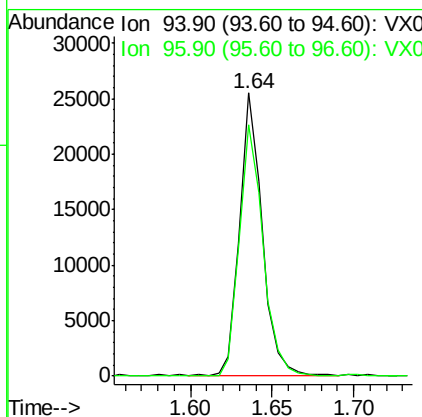
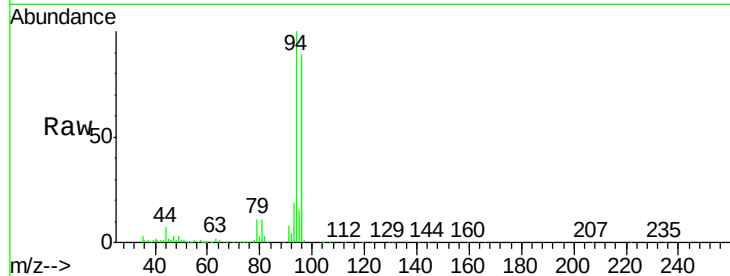
96 89.0 73.0 109.6

Manual Integrations

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#6

Chloroethane

Concen: 19.032 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX009665.D

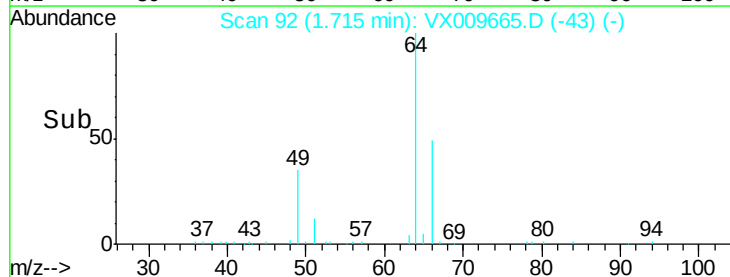
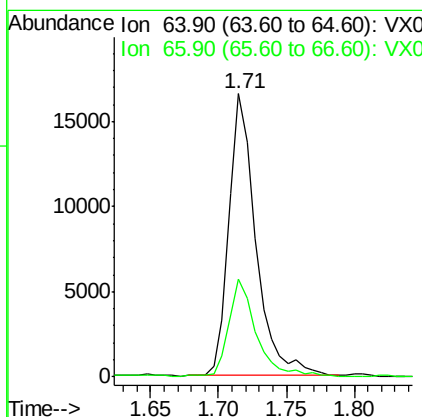
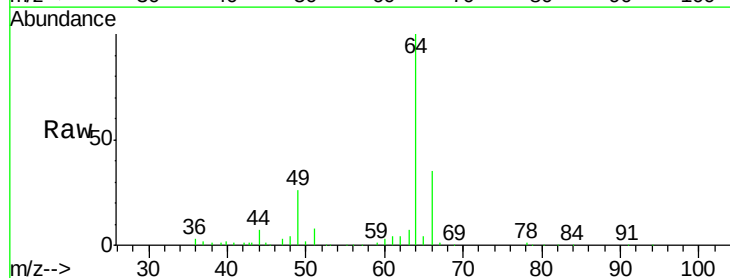
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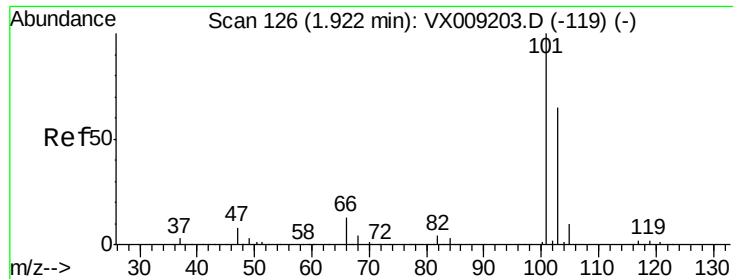
Tgt Ion: 64 Resp: 22998

Ion Ratio Lower Upper

64 100

66 34.3 25.3 37.9





#7

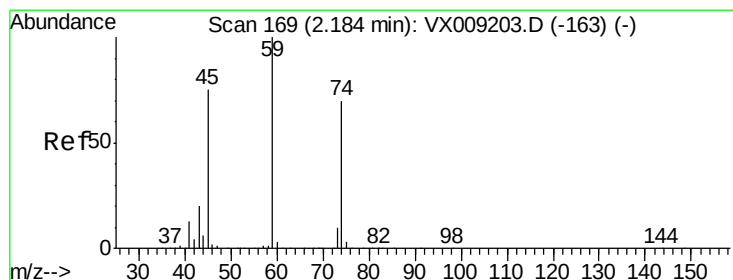
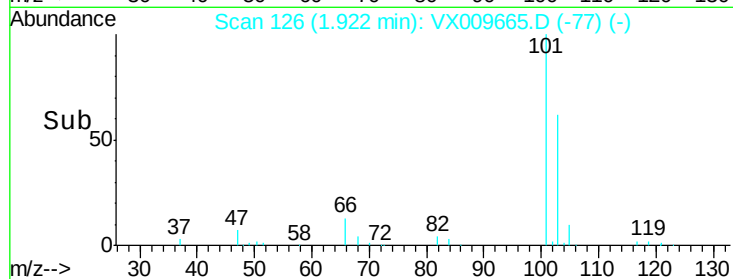
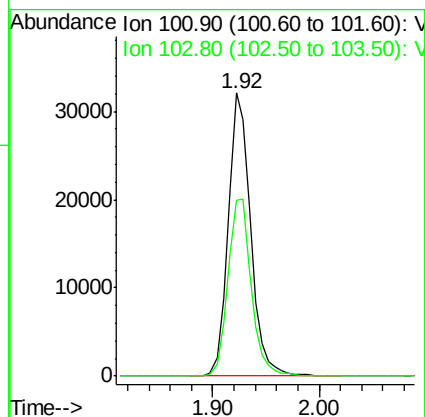
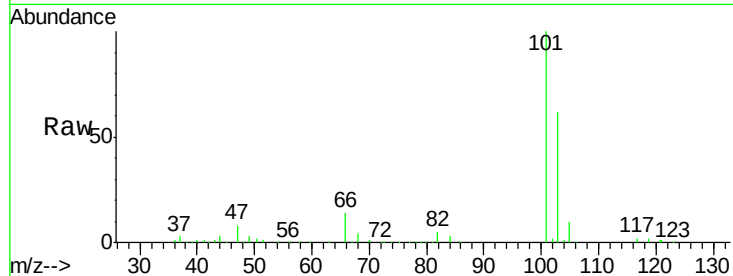
Trichlorofluoromethane
 Concen: 20.706 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX009665.D
 Acq: 17 May 2019 16:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS02

Tot Ion:101 Resp: 47371
 Ion Ratio Lower Upper
 101 100
 103 61.9 52.4 78.6

Manual Integrations
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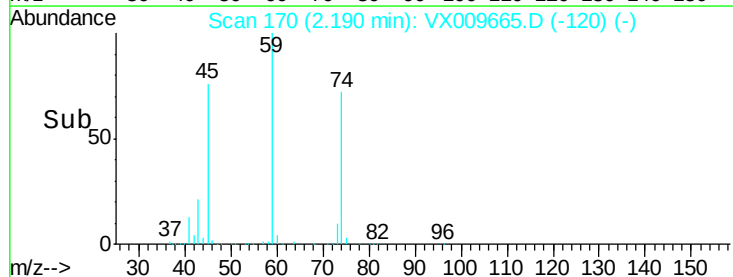
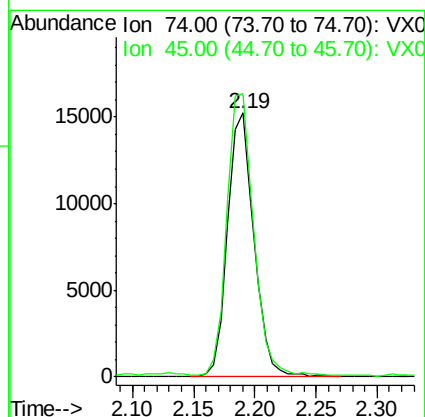
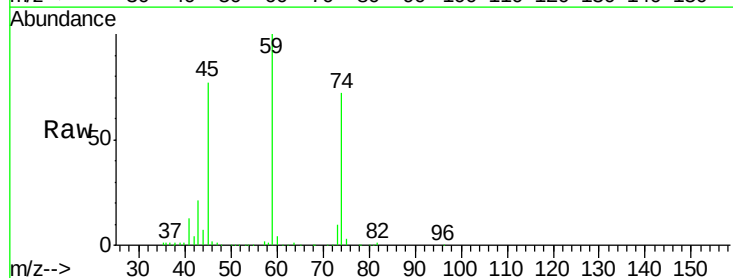
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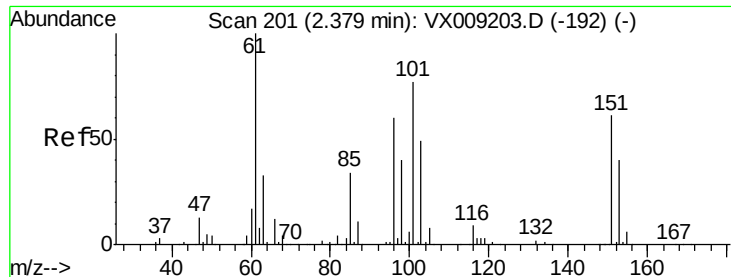


#8

Diethyl Ether
 Concen: 20.961 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009665.D
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Tgt Ion: 74 Resp: 22715
 Ion Ratio Lower Upper
 74 100
 45 107.7 53.3 159.9





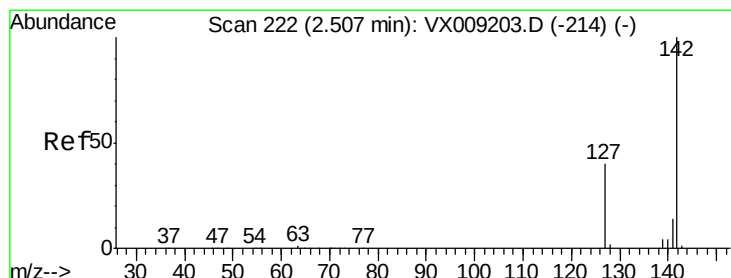
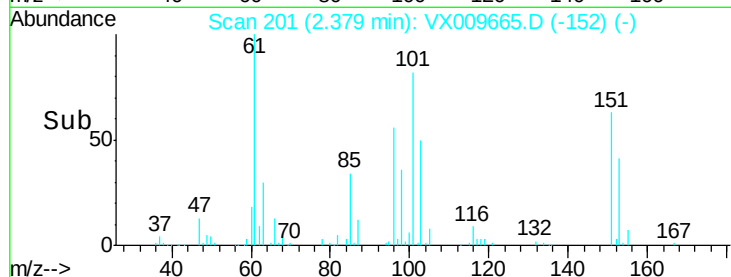
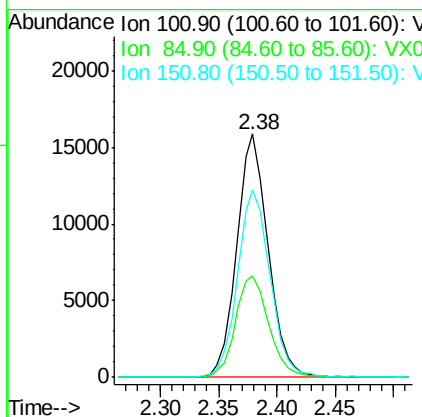
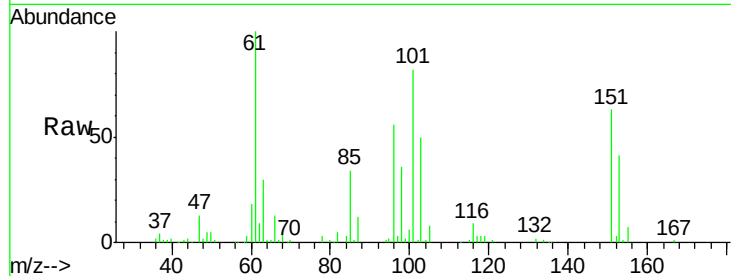
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.798 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	29880		
85	44.1		35.7	53.5
151	80.1		62.2	93.2

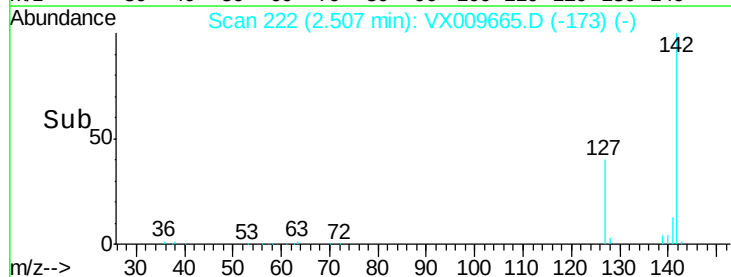
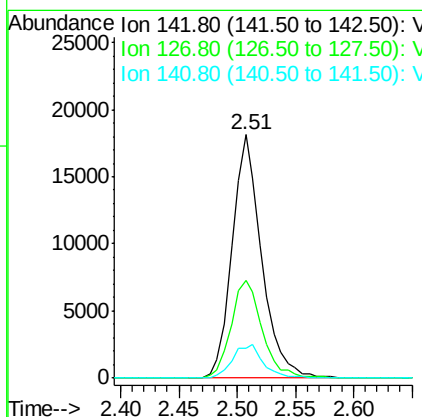
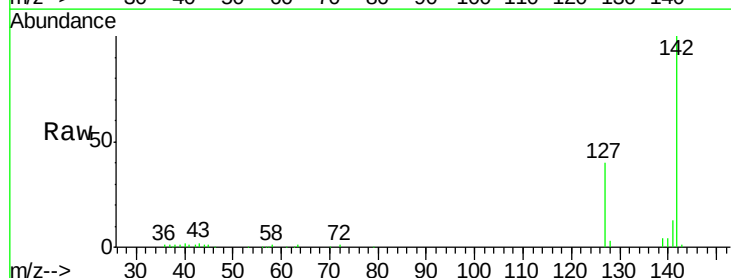
Manual Integrations
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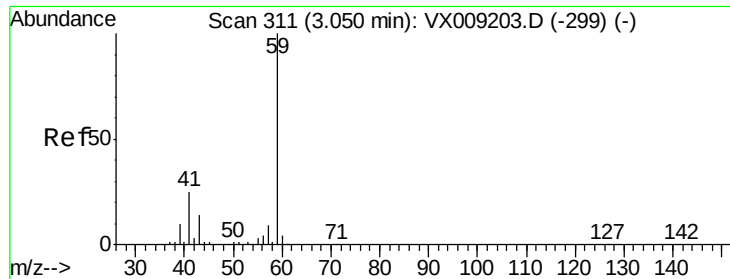
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#10
Methyl Iodide
Concen: 21.975 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	31949		
127	42.3		32.7	49.1
141	14.4		11.5	17.3





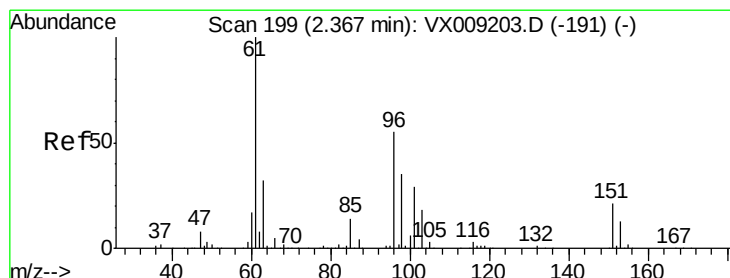
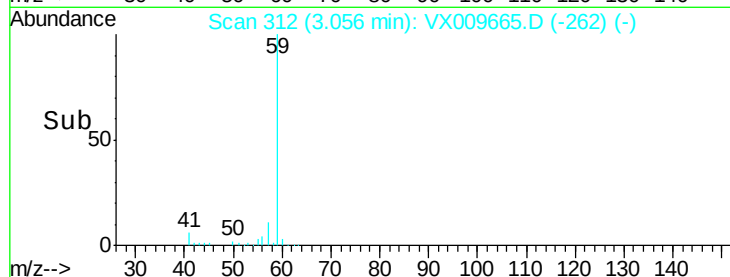
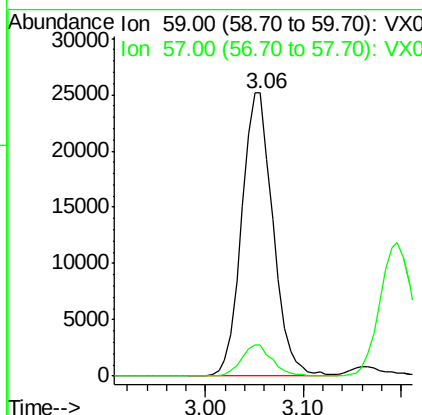
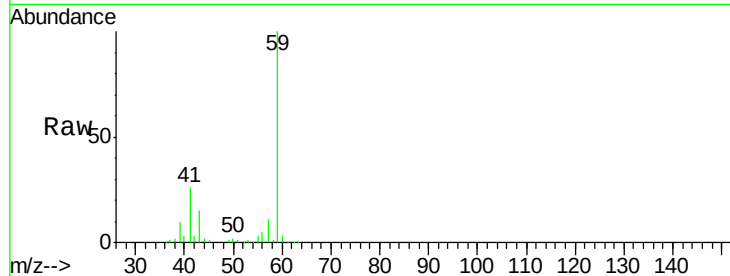
#11
Tert butyl alcohol
Concen: 115.674 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.2	12.2

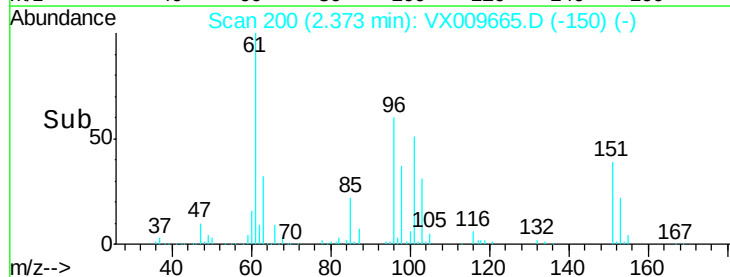
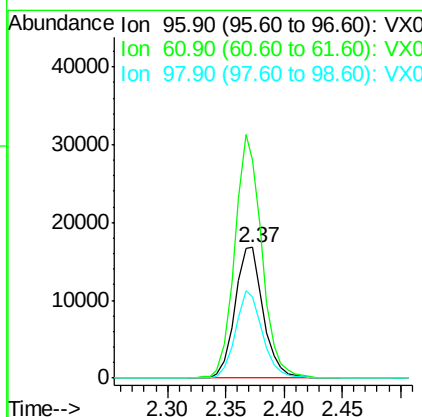
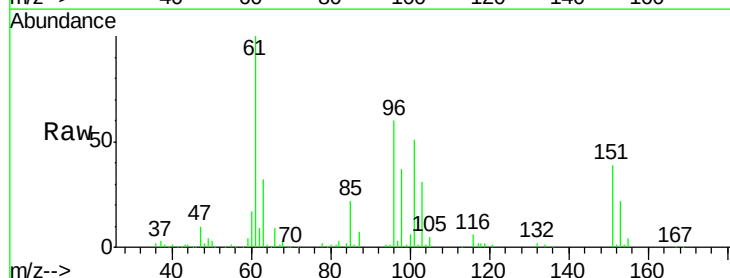
Manual Integrations
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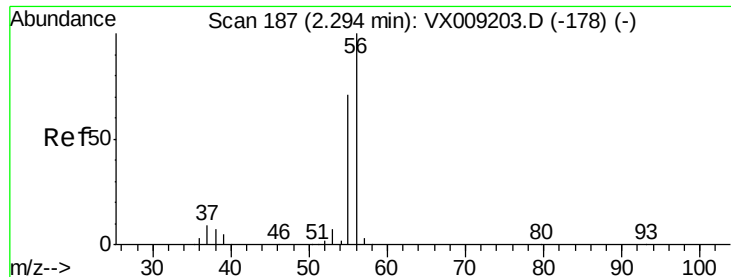
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#12
1,1-Dichloroethene
Concen: 19.749 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.0	144.3	216.5
98	62.3	50.3	75.5





#13

Acrolein

Concen: 95.899 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS02

Tot Ion: 56 Resp: 42102

Ion Ratio Lower Upper

56 100

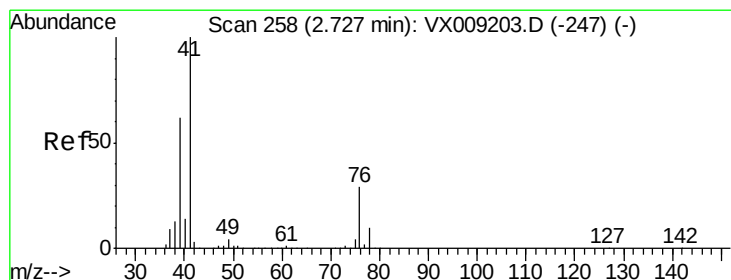
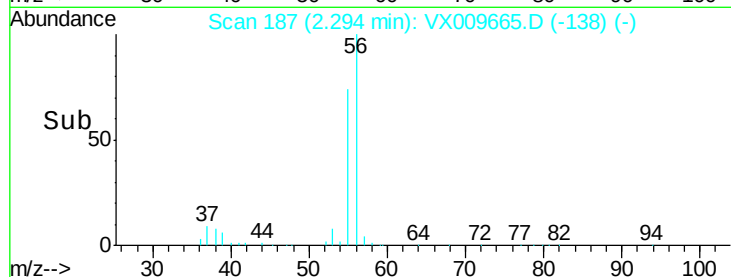
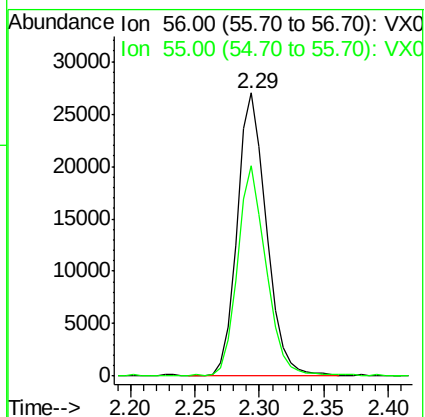
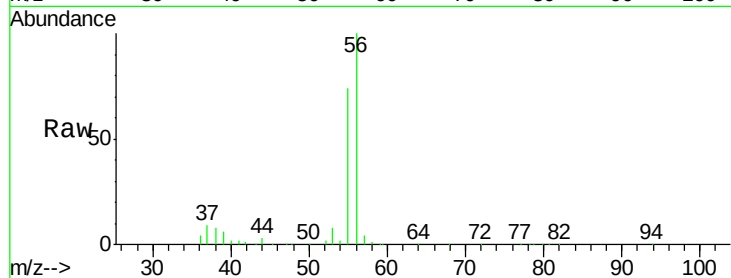
55 74.1 56.6 85.0

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#14

Allyl chloride

Concen: 19.943 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

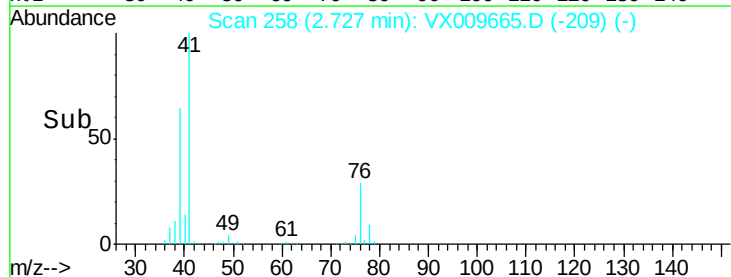
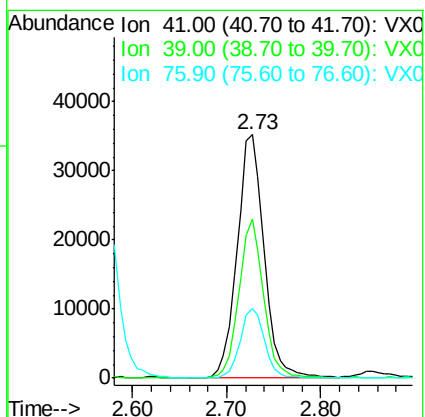
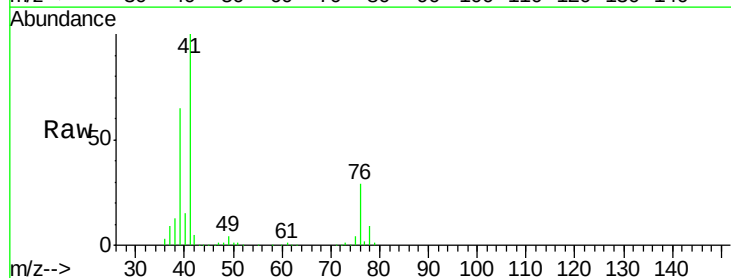
Tgt Ion: 41 Resp: 69959

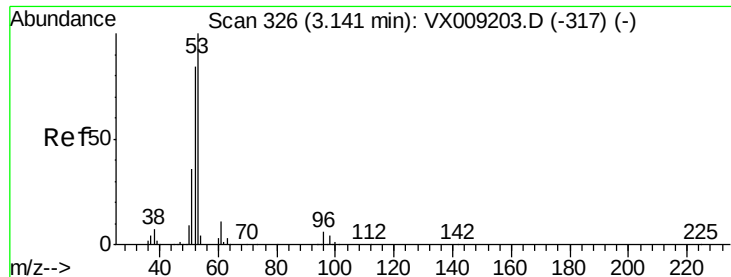
Ion Ratio Lower Upper

41 100

39 60.3 46.7 70.1

76 26.1 21.8 32.8





#15

Acrylonitrile

Concen: 108.664 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

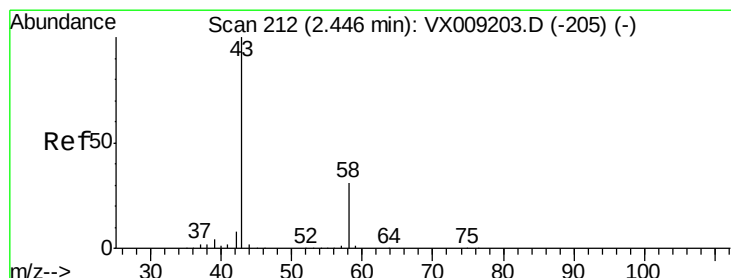
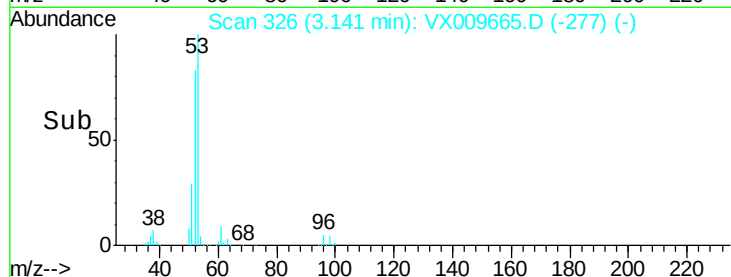
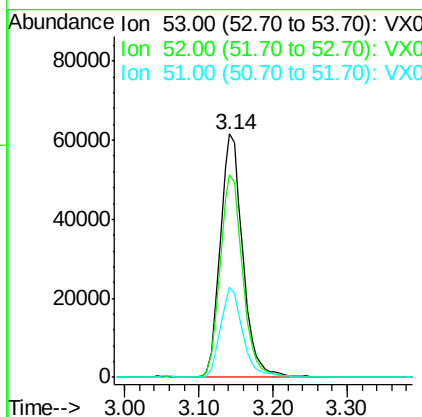
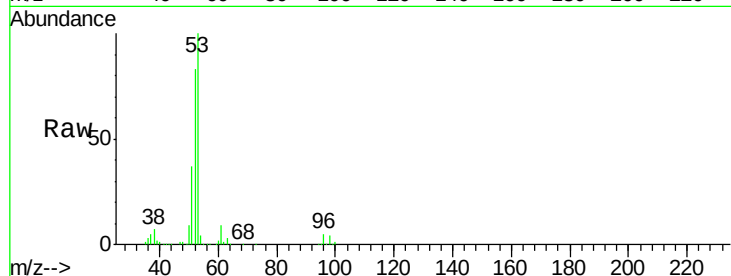
ClientSampleId :

VX0517WBS02

Tot Ion:	53	Resp:	128799
Ion Ratio	Lower	Upper	
53	100		
52	83.9	66.9	100.3
51	36.7	28.2	42.2

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#16

Acetone

Concen: 114.270 ug/l

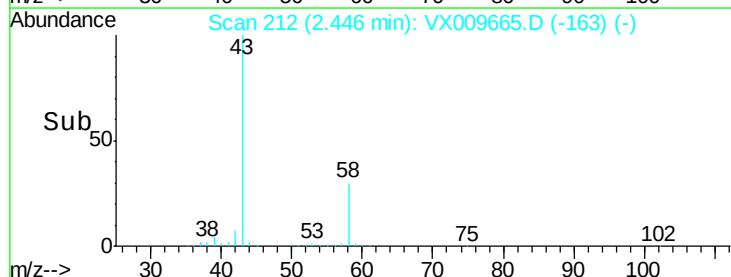
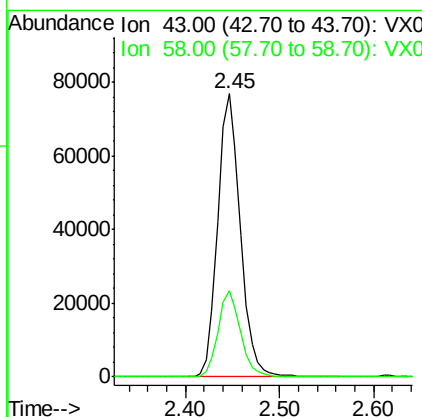
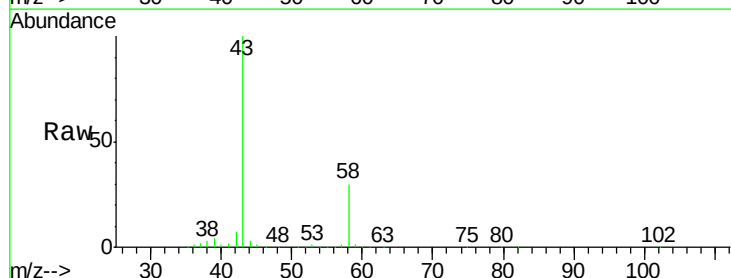
RT: 2.45 min Scan# 212

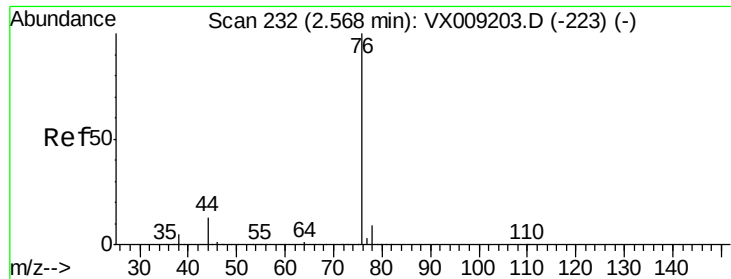
Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Tgt Ion:	43	Resp:	128501
Ion Ratio	Lower	Upper	
43	100		
58	30.3	24.9	37.3





#17

Carbon Disulfide

Concen: 18.157 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS02

Tot Ion: 76 Resp: 73377

Ion Ratio Lower Upper

76 100

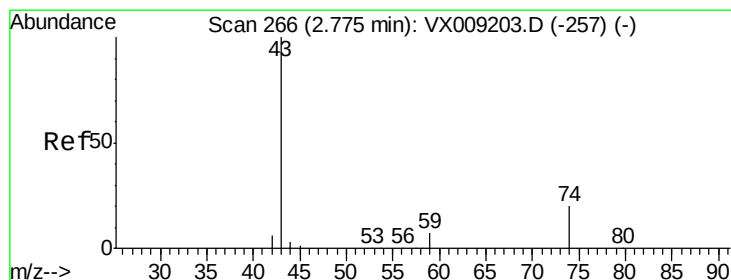
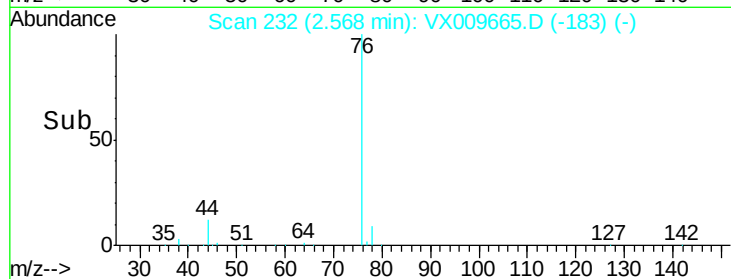
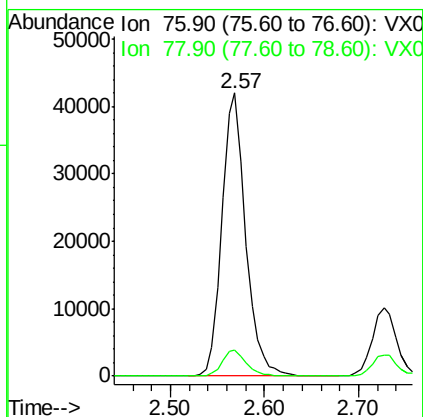
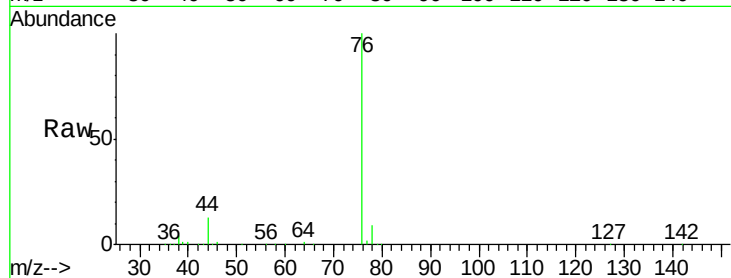
78 9.1 7.4 11.0

Manual Integrations

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#18

Methyl Acetate

Concen: 21.832 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX009665.D

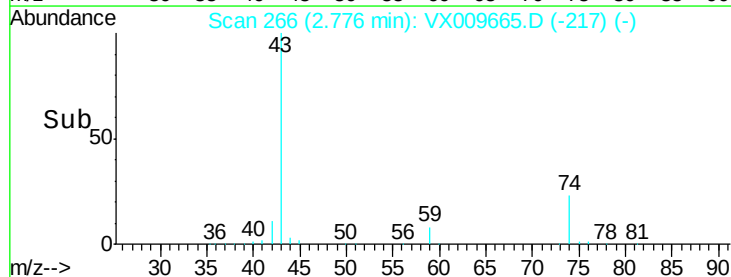
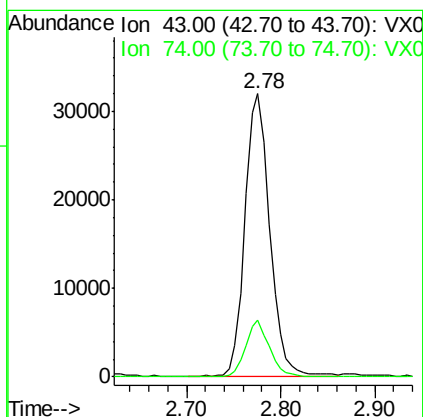
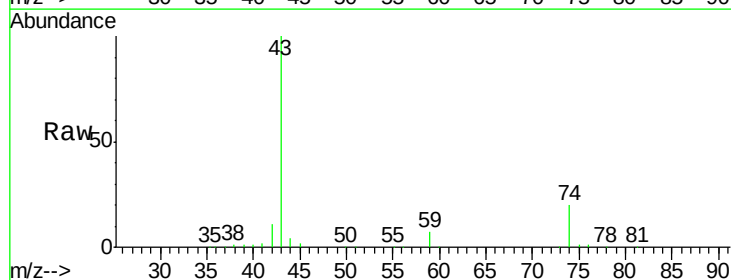
Acq: 17 May 2019 16:34

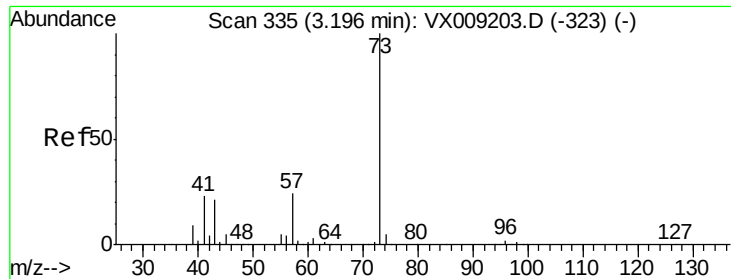
Tgt Ion: 43 Resp: 58387

Ion Ratio Lower Upper

43 100

74 19.2 16.2 24.4





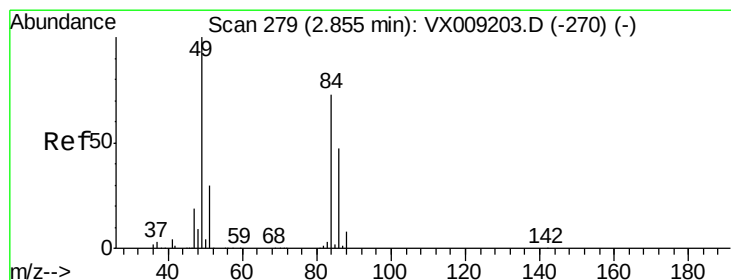
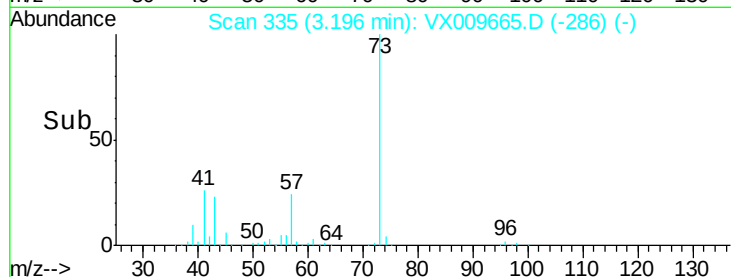
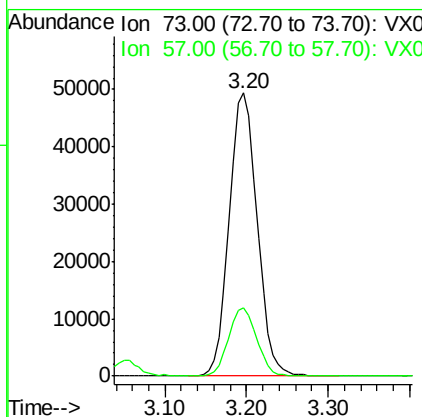
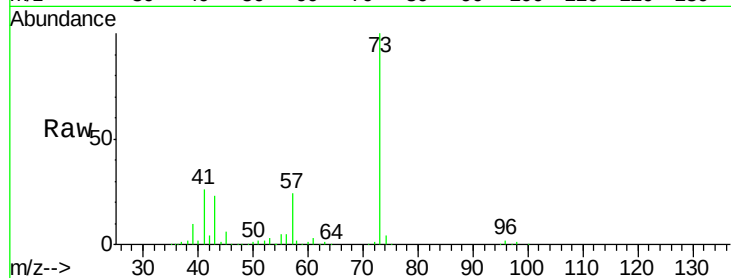
#19
Methyl tert-butyl Ether
Concen: 20.921 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS02

Tot Ion: 73 Resp: 116943
Ion Ratio Lower Upper
73 100
57 24.1 19.3 28.9

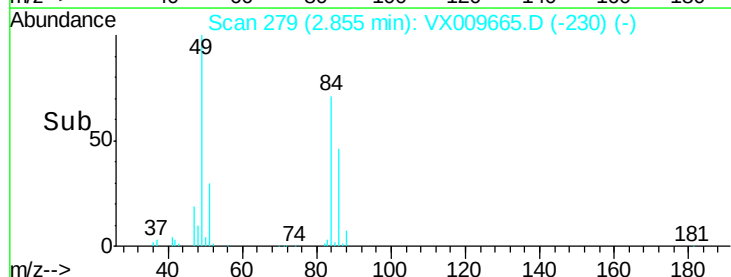
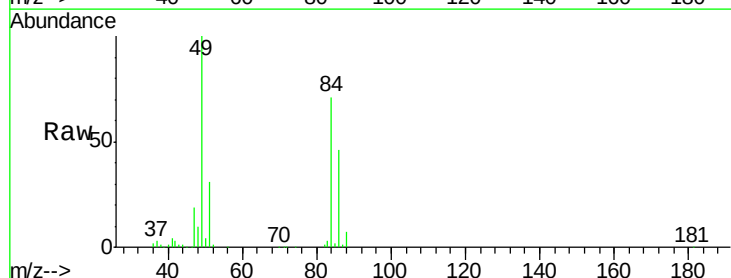
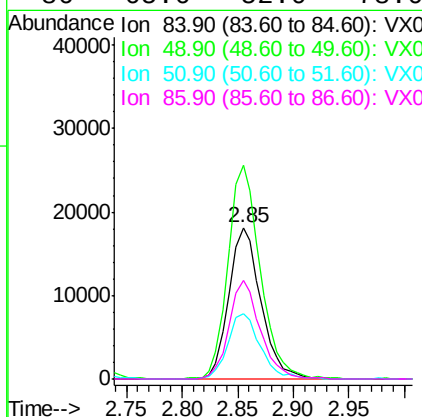
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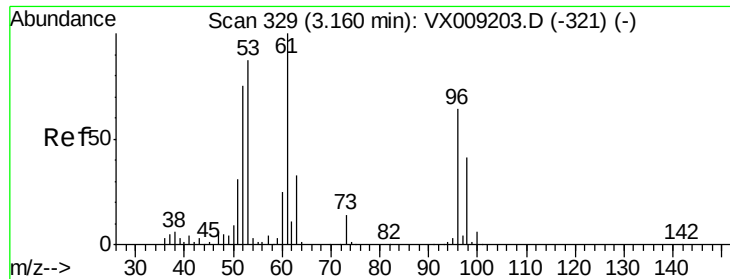
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#20
Methylene Chloride
Concen: 19.865 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Tgt Ion: 84 Resp: 36170
Ion Ratio Lower Upper
84 100
49 140.7 109.9 164.9
51 43.3 32.7 49.1
86 65.6 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 19.832 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

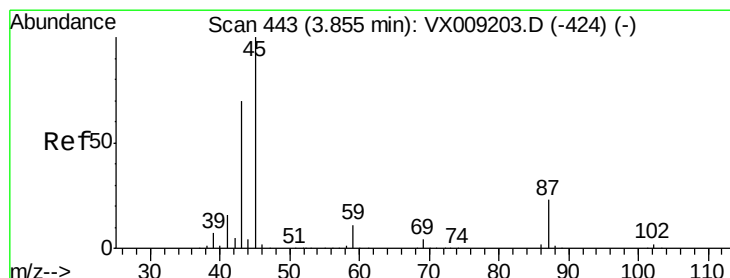
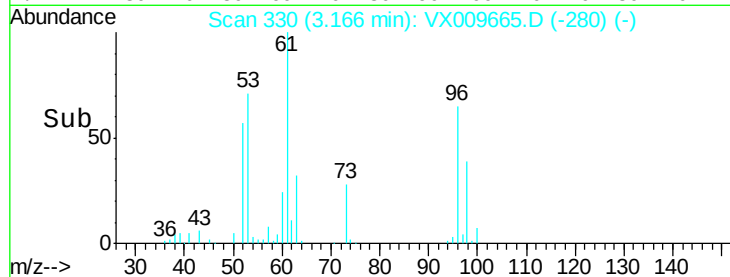
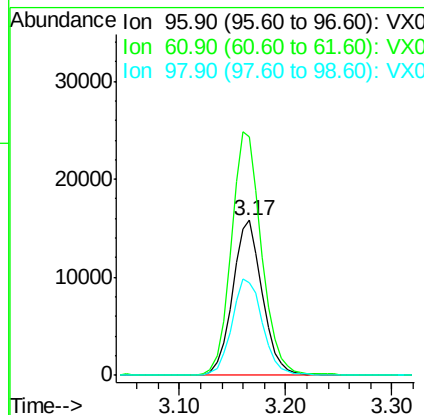
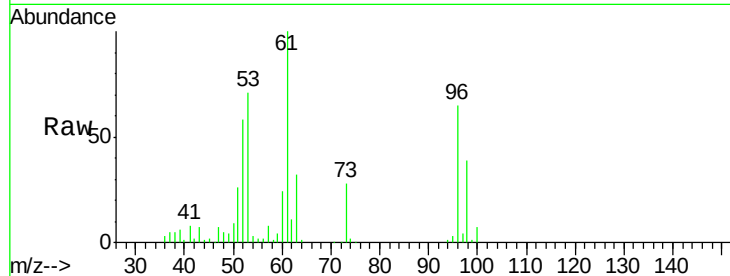
ClientSampleId :

VX0517WBS02

Tot Ion:	96	Resp:	30960
Ion	Ratio	Lower	Upper
96	100		
61	153.3	124.5	186.7
98	59.3	50.4	75.6

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#22

Diisopropyl ether

Concen: 21.180 ug/l

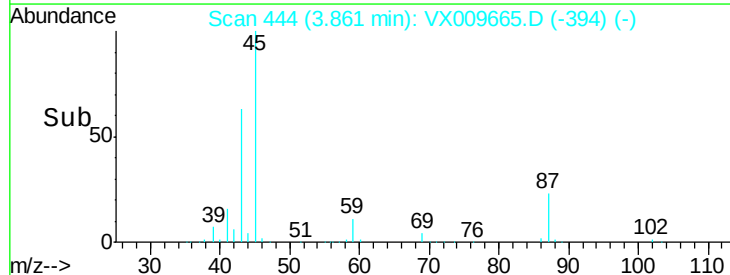
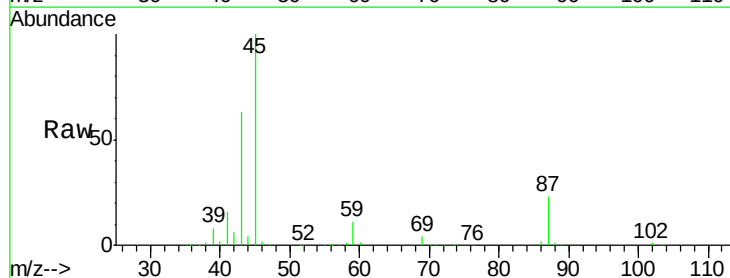
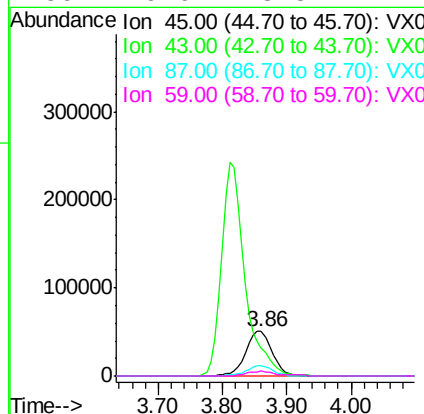
RT: 3.86 min Scan# 444

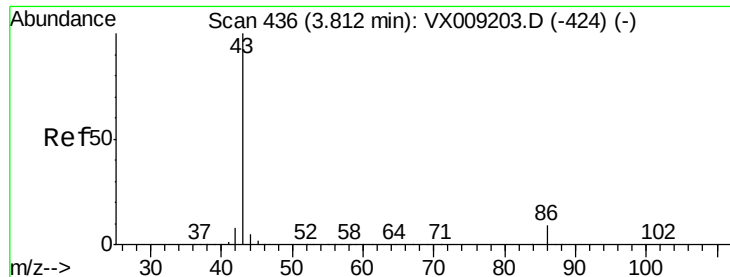
Delta R.T. 0.01 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Tgt Ion:	45	Resp:	142881
Ion	Ratio	Lower	Upper
45	100		
43	63.5	56.1	84.1
87	22.8	18.1	27.1
59	10.6	8.5	12.7





#23

Vinyl Acetate

Concen: 108.720 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleID :

VX0517WBS02

Tot Ion: 43 Resp: 628056

Ion Ratio Lower Upper

43 100

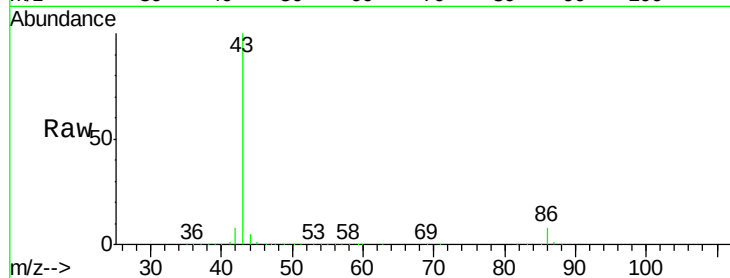
86 8.3 6.9 10.3

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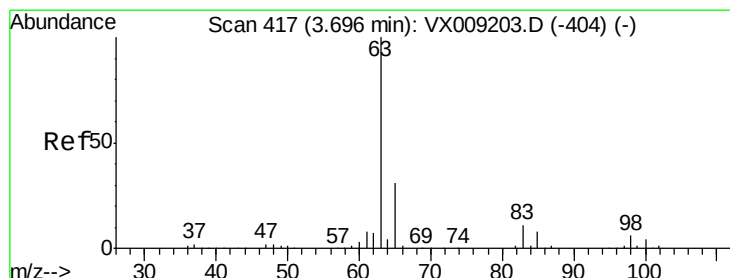
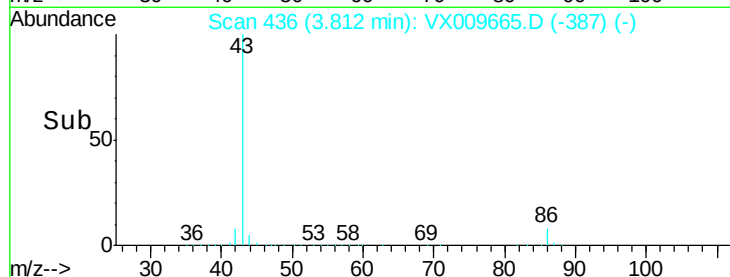
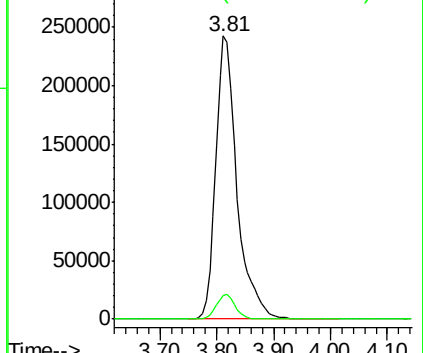
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 20.345 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

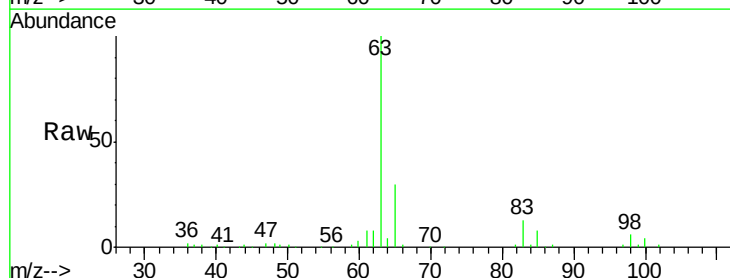
Tgt Ion: 63 Resp: 67706

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

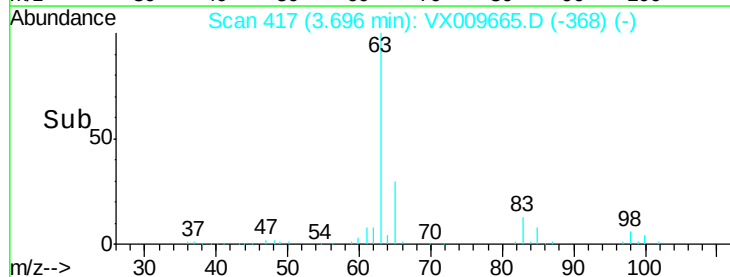
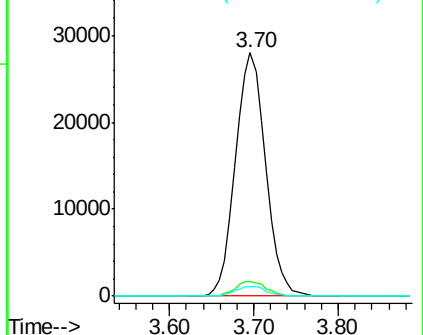
100 4.1 2.0 6.0

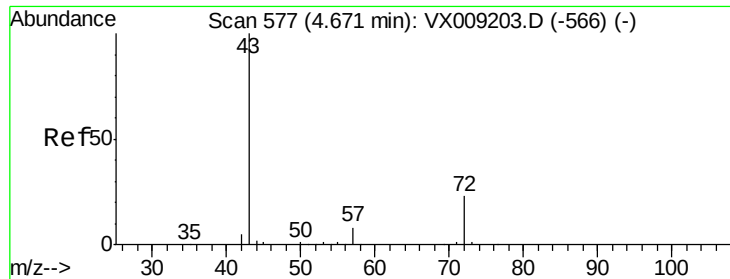


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 114.061 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS02

Tot Ion: 43 Resp: 199320

Ion Ratio Lower Upper

43 100

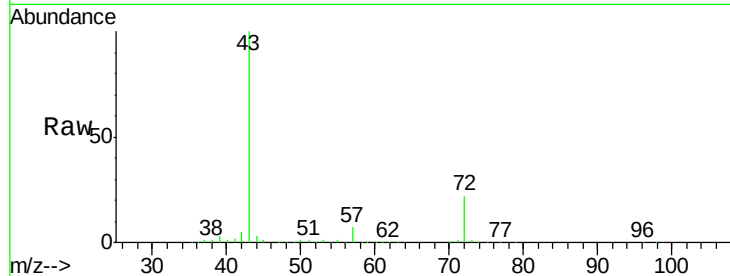
72 22.3 18.2 27.2

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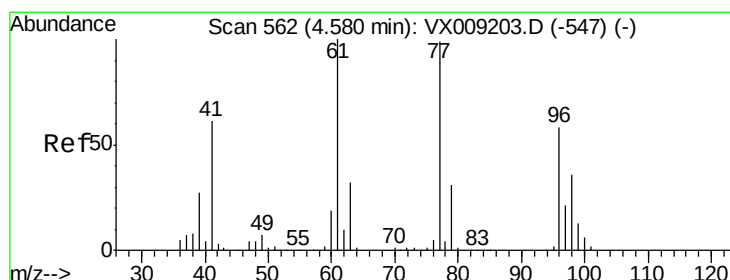
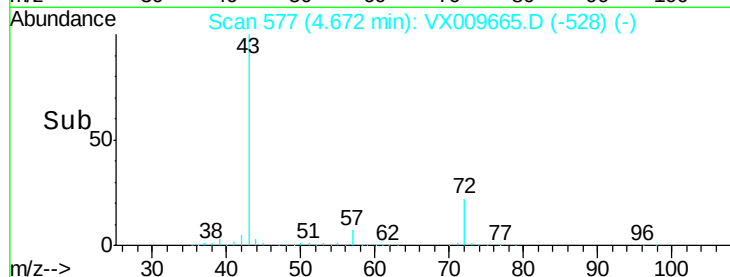
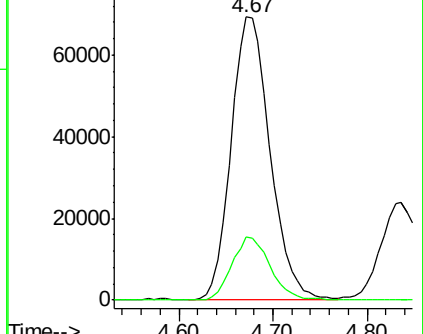
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 20.824 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX009665.D

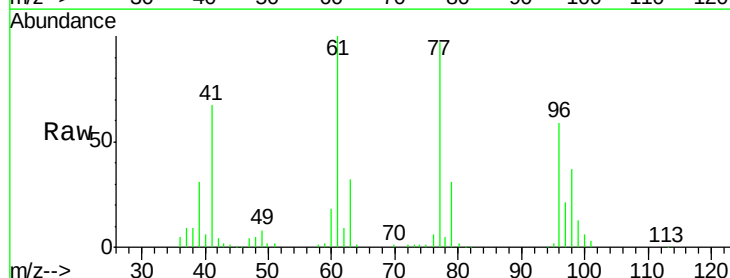
Acq: 17 May 2019 16:34

Tgt Ion: 77 Resp: 51583

Ion Ratio Lower Upper

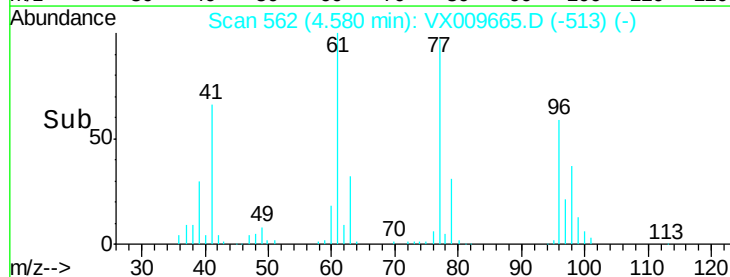
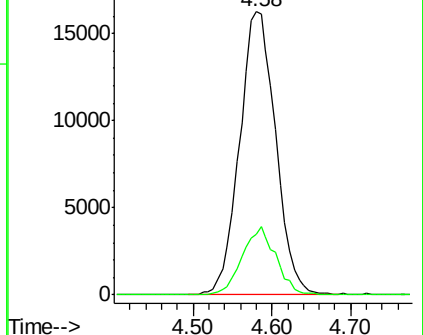
77 100

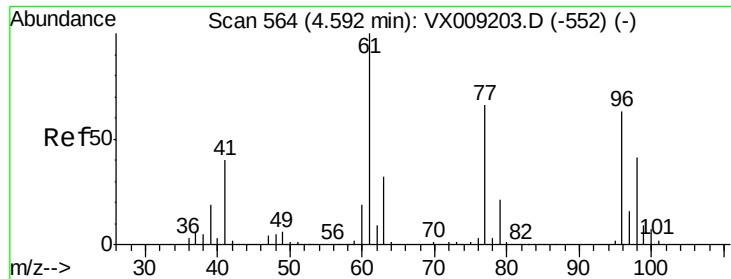
97 22.6 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

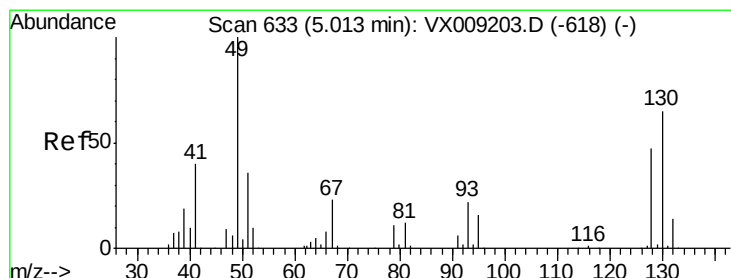
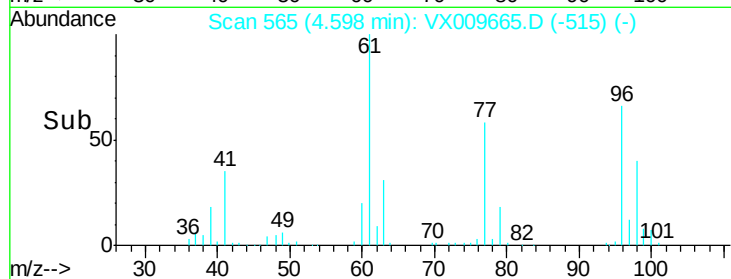
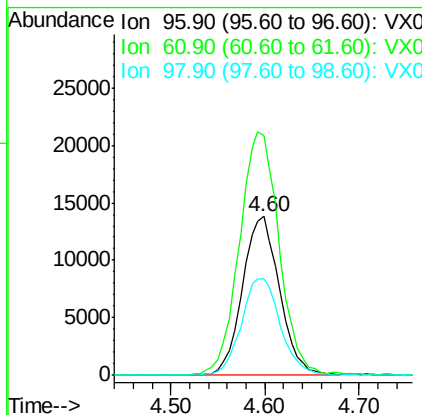
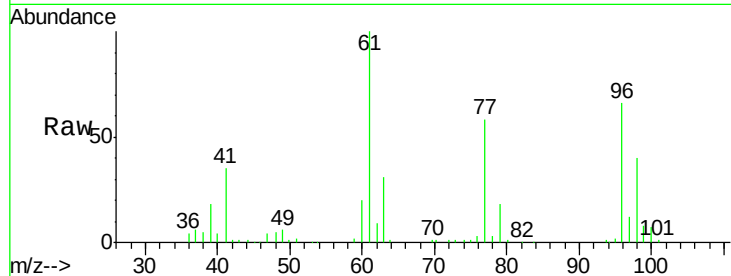
cis-1,2-Dichloroethene
Concen: 20.379 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	37972		
61	163.2	0.0	324.0	
98	63.9	0.0	130.4	

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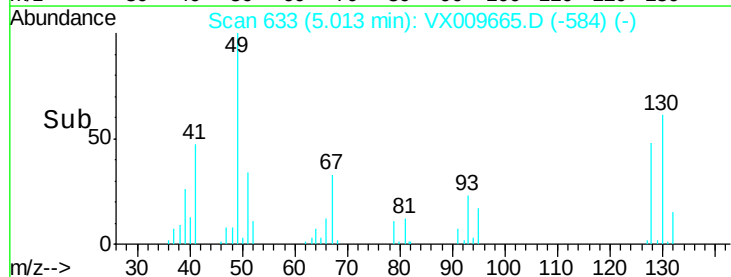
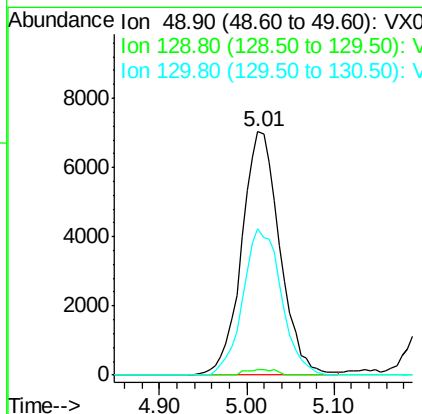
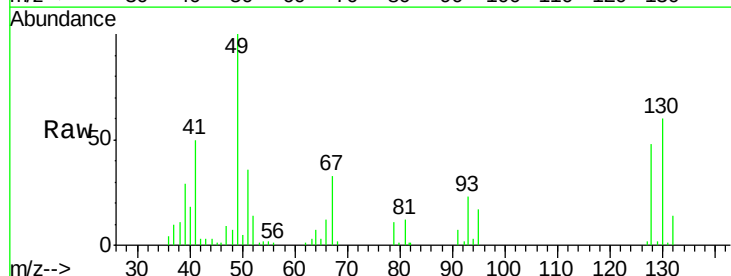
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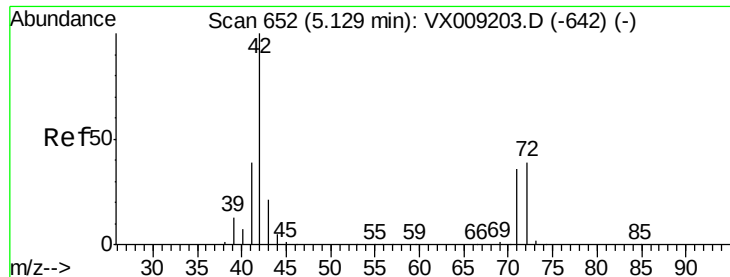


#28

Bromochloromethane
Concen: 13.915 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	21292		
129	1.8	0.0	3.8	
130	60.4	51.2	76.8	





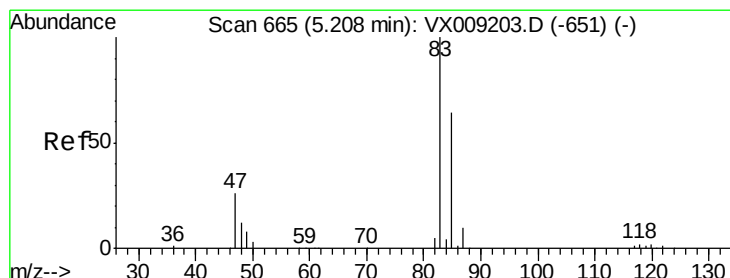
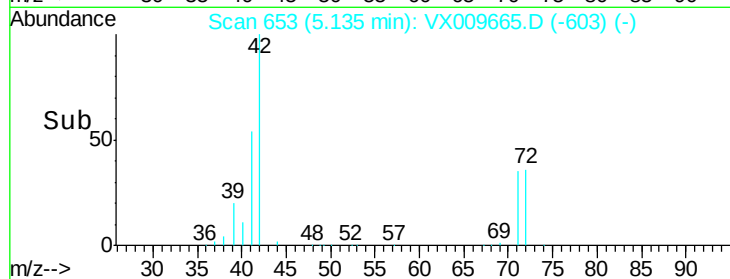
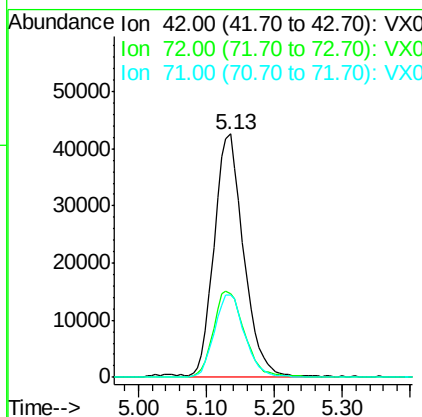
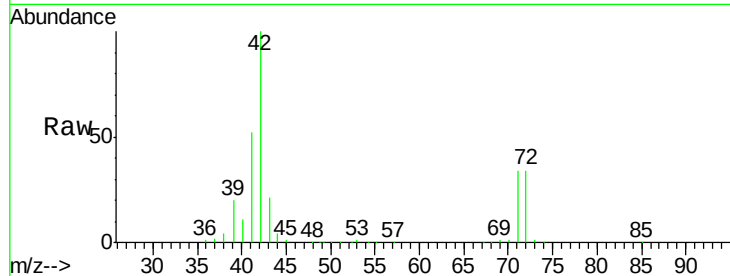
#29
Tetrahydrofuran
Concen: 113.335 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.01 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.5	30.4	45.6
71	35.2	28.6	43.0

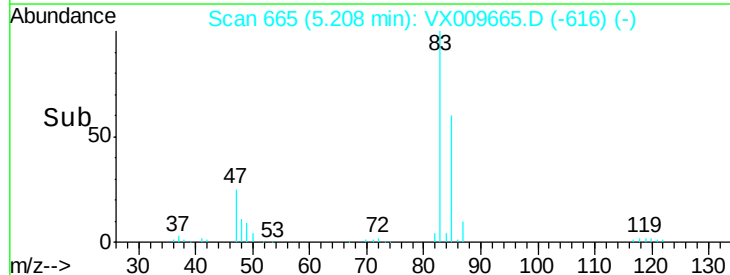
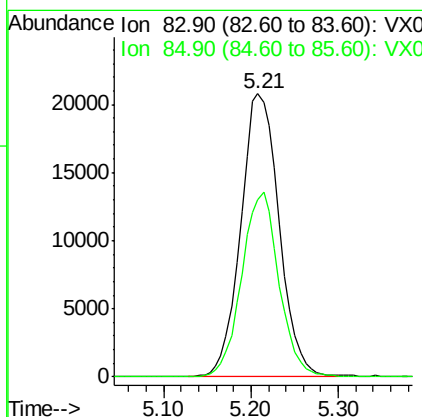
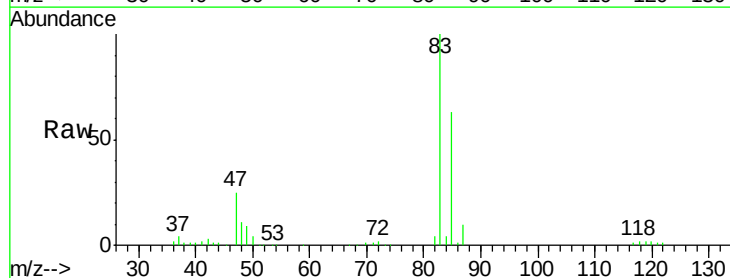
Manual Integrations
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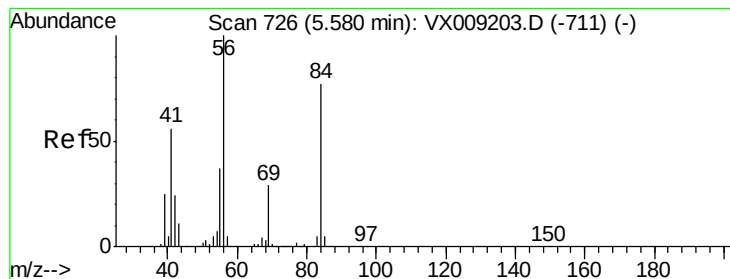
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#30
Chloroform
Concen: 21.063 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.5	77.3





#31

Cyclohexane

Concen: 20.212 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

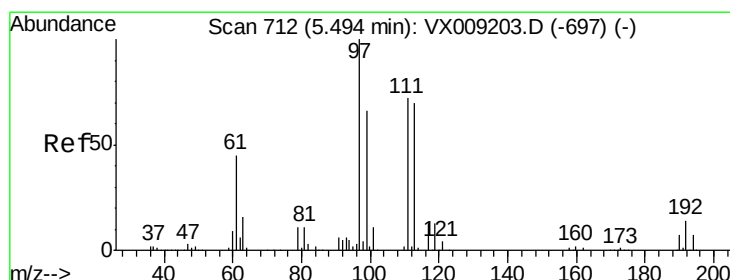
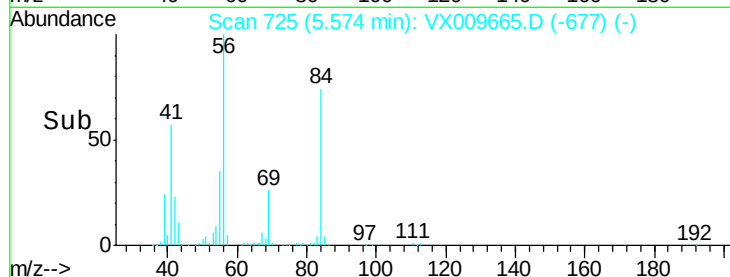
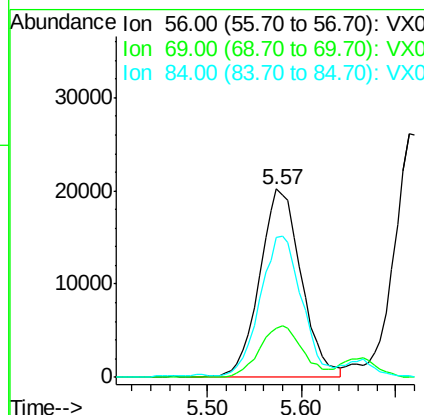
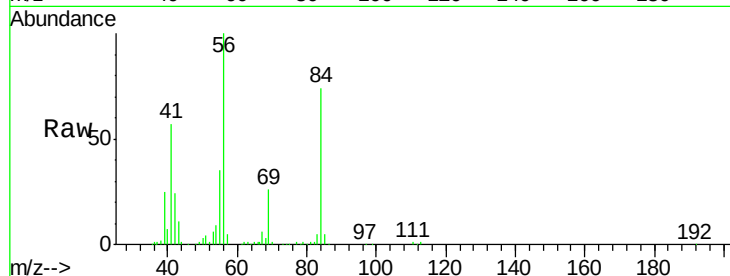
ClientSampleId :

VX0517WBS02

Tot Ion:	56	Resp:	62580
Ion	Ratio	Lower	Upper
56	100		
69	25.9	23.4	35.0
84	73.2	61.9	92.9

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#32

1,1,1-Trichloroethane

Concen: 20.244 ug/l

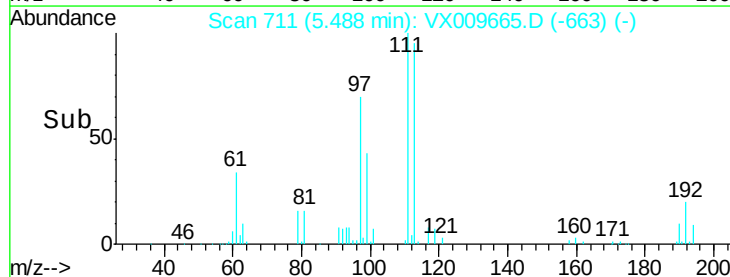
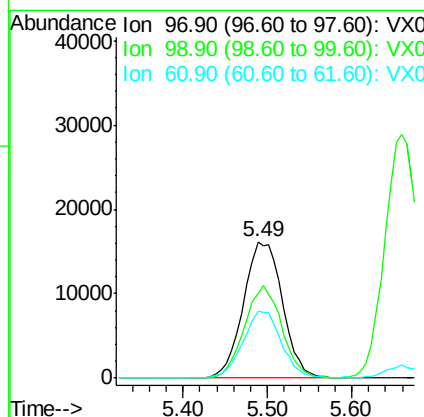
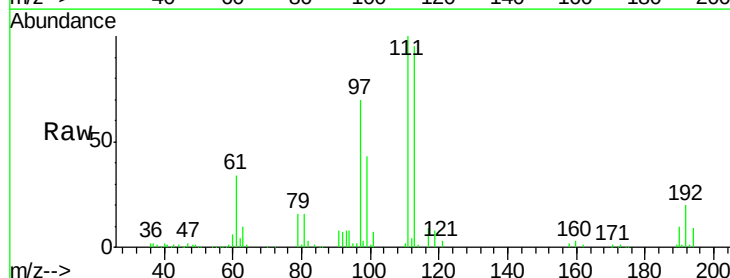
RT: 5.49 min Scan# 711

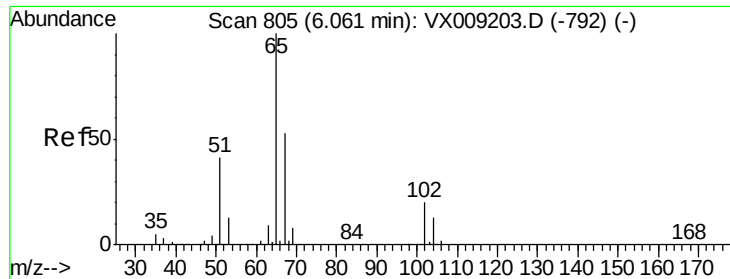
Delta R.T. -0.01 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Tgt Ion:	97	Resp:	50724
Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.8	77.8
61	48.6	37.8	56.8





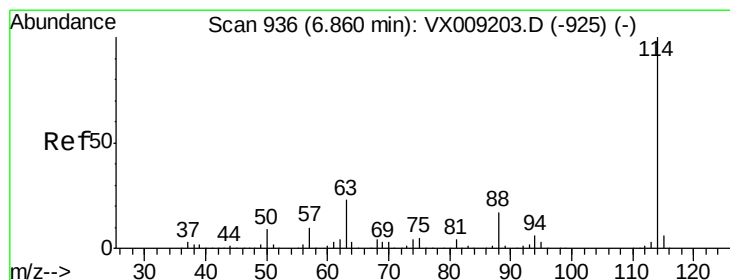
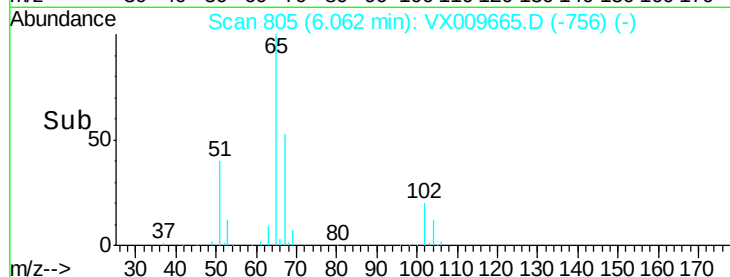
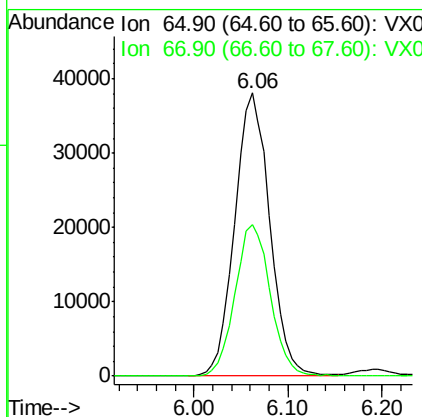
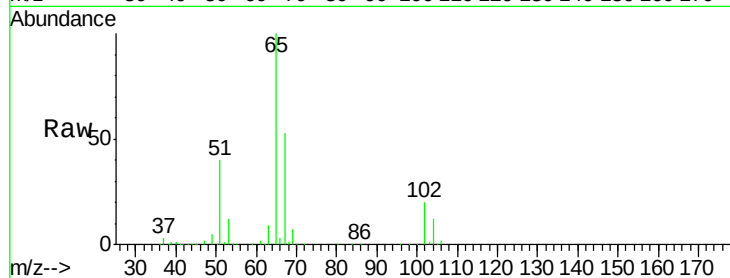
#33
 1,2-Dichloroethane-d4
 Concen: 47.232 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009665.D
 Acq: 17 May 2019 16:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	106.6

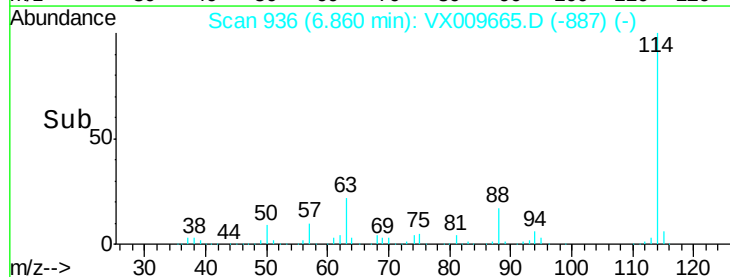
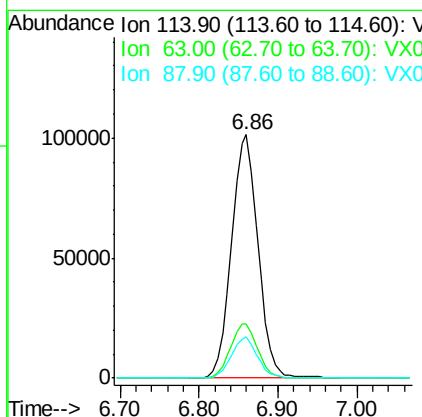
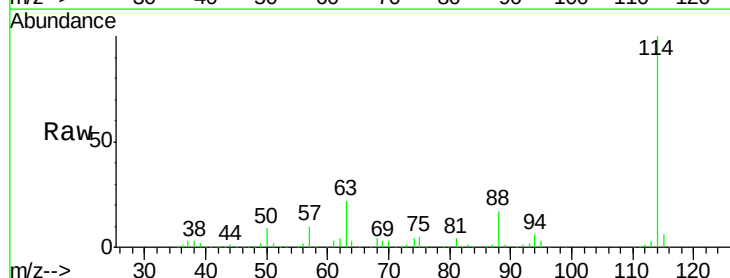
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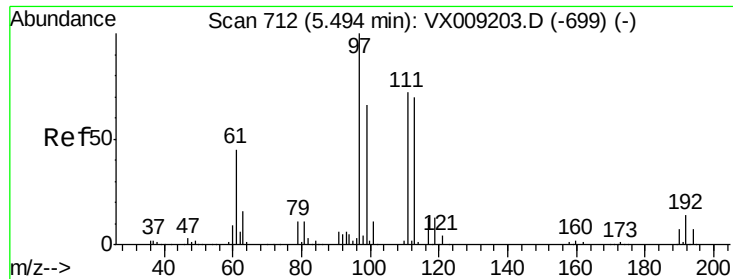
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009665.D
 Acq: 17 May 2019 16:34

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	45.6
88	16.8	0.0	33.2





#35

Dibromofluoromethane

Concen: 48.801 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS02

Tot Ion:113 Resp: 72702

Ion Ratio Lower Upper

113 100

111 102.9 82.8 124.2

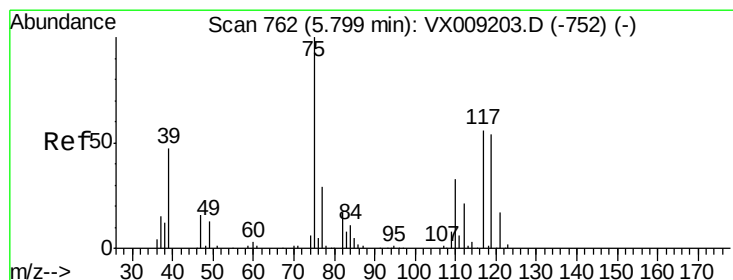
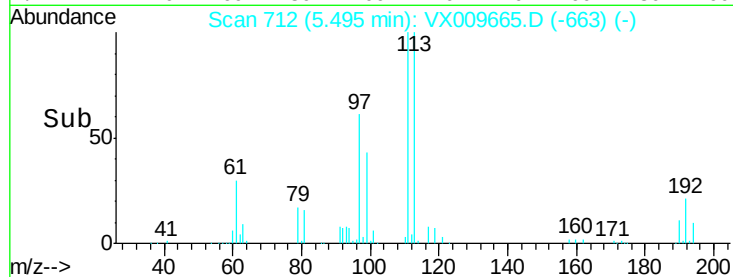
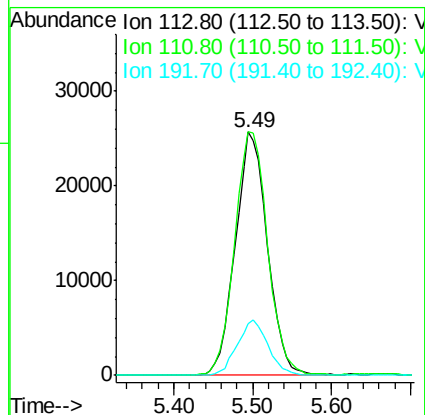
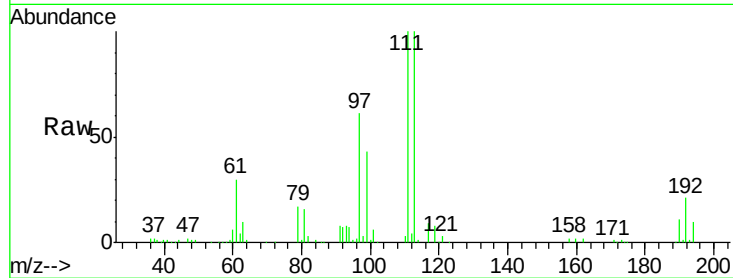
192 22.0 17.0 25.6

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#36

1,1-Dichloropropene

Concen: 21.031 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

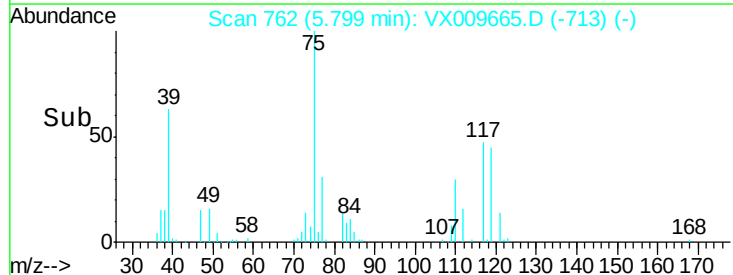
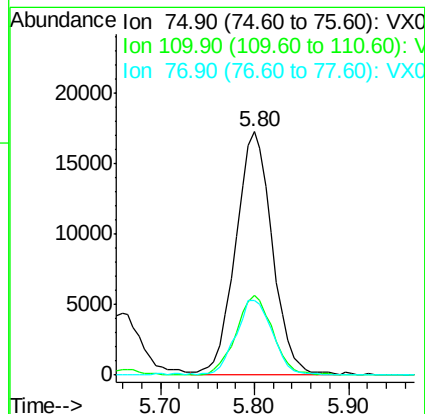
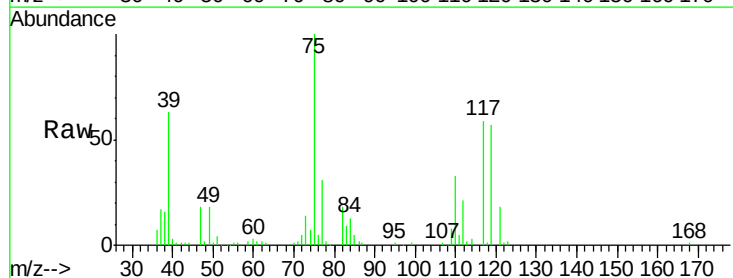
Tgt Ion: 75 Resp: 46317

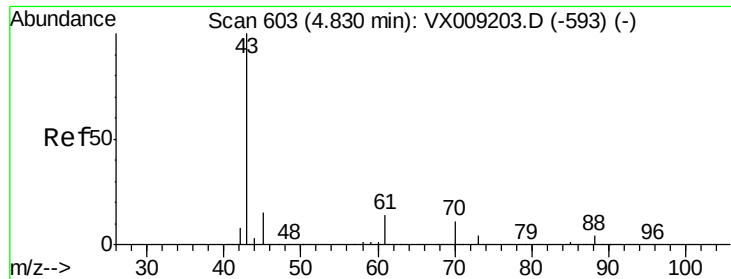
Ion Ratio Lower Upper

75 100

110 33.4 16.9 50.6

77 31.3 24.8 37.2





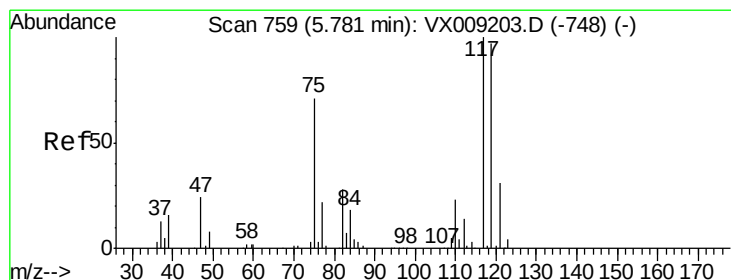
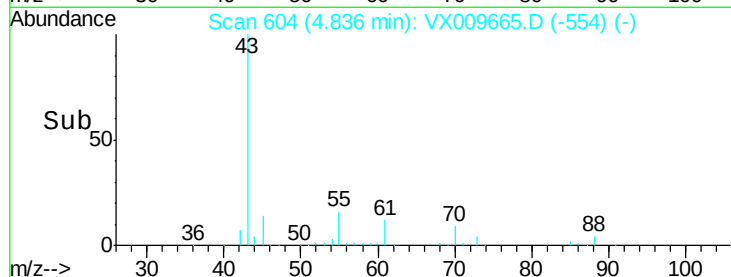
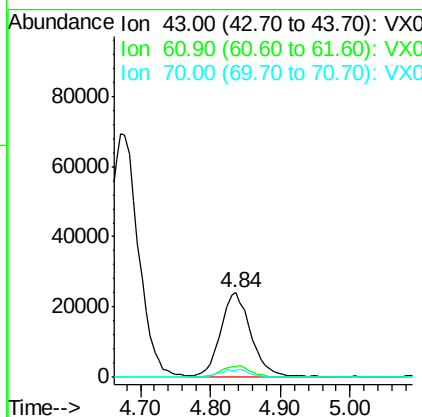
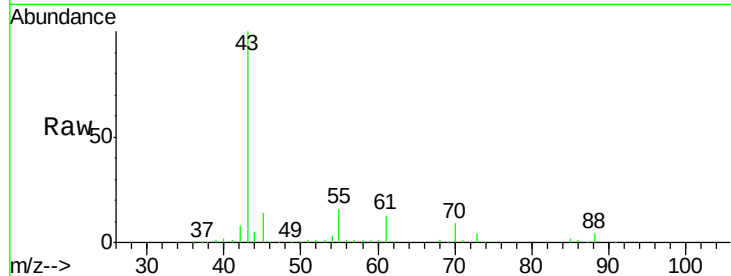
#37
Ethyl Acetate
Concen: 23.498 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.5	15.7
70	9.5	7.9	11.9

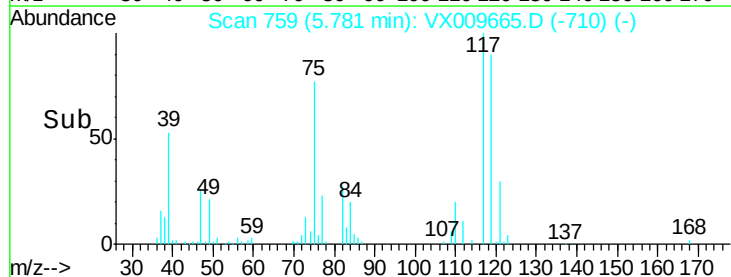
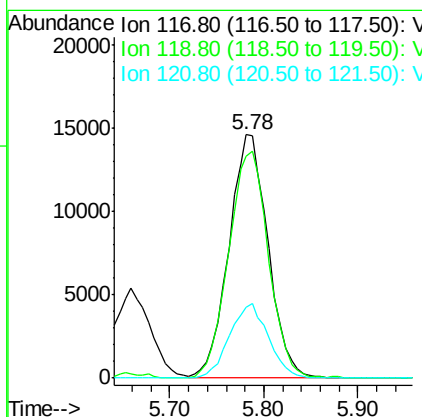
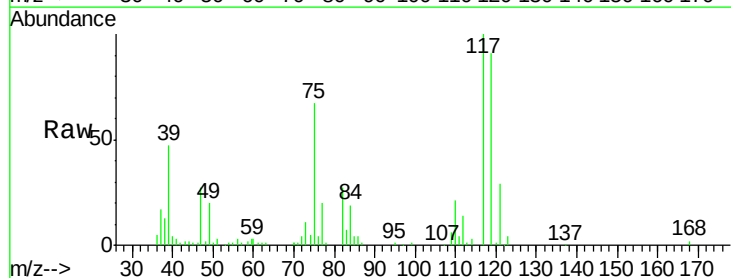
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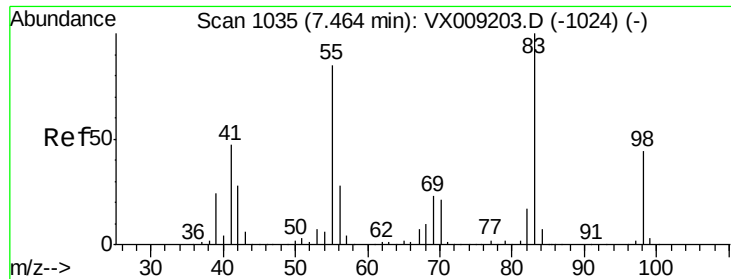
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#38
Carbon Tetrachloride
Concen: 21.140 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.6	77.5	116.3
121	29.0	24.7	37.1





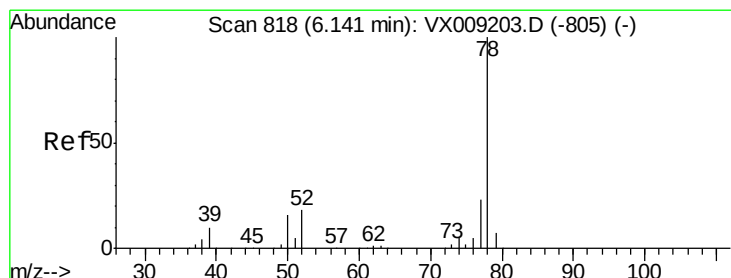
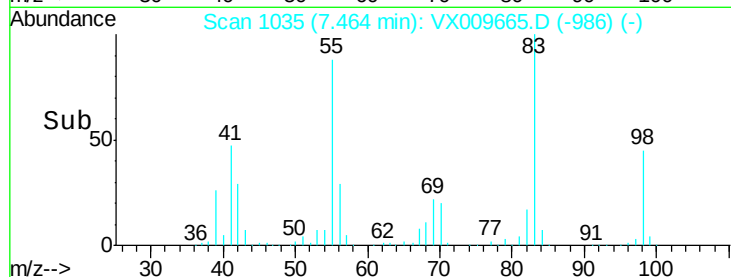
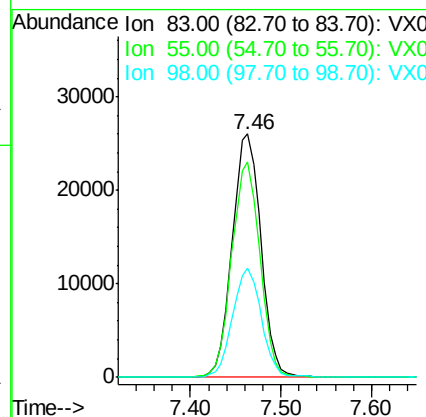
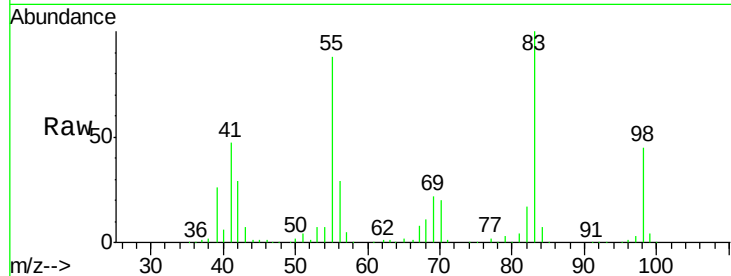
#39
Methylvlcyclohexane
Concen: 21.231 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS02

Tot Ion	83.00	Resp	57423
Ion Ratio	Lower	Upper	
83	100		
55	88.1	67.7	101.5
98	45.0	35.5	53.3

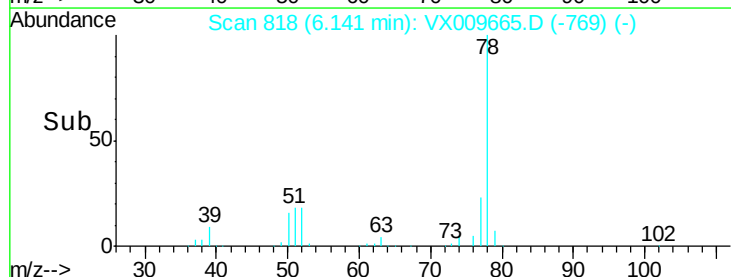
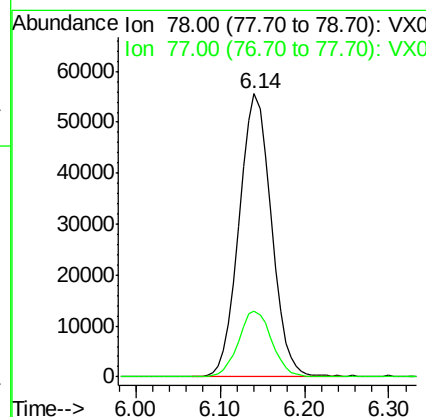
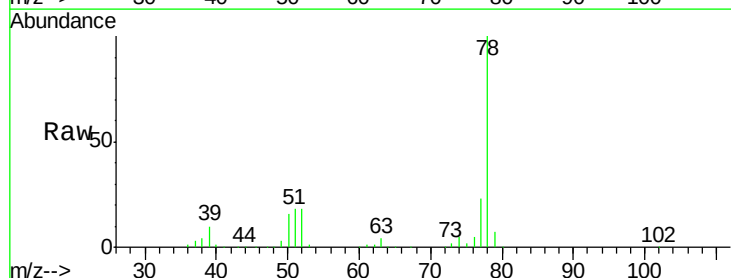
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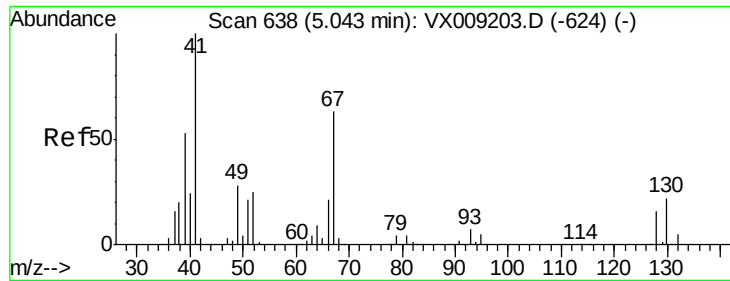
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#40
Benzene
Concen: 21.142 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Tgt Ion	78.00	Resp	144097
Ion Ratio	Lower	Upper	
78	100		
77	23.5	18.8	28.2





#41

Methacrylonitrile

Concen: 21.743 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

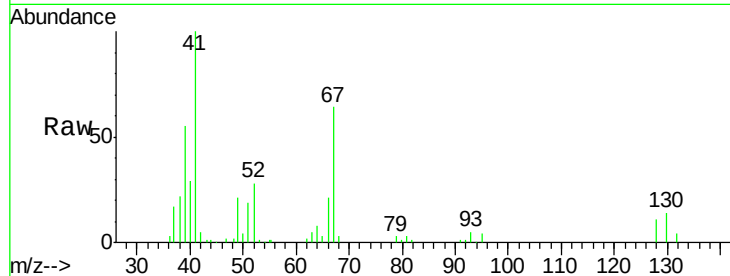
ClientSampleId :

VX0517WBS02

Tot Ion:	41	Resp:	39714
Ion	Ratio	Lower	Upper
41	100		
39	56.2	42.0	63.0
67	64.0	49.8	74.8
52	27.4	20.3	30.5

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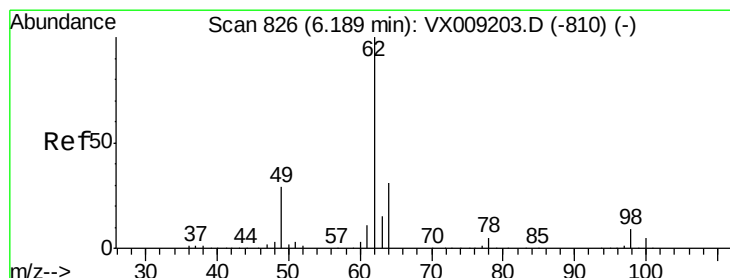
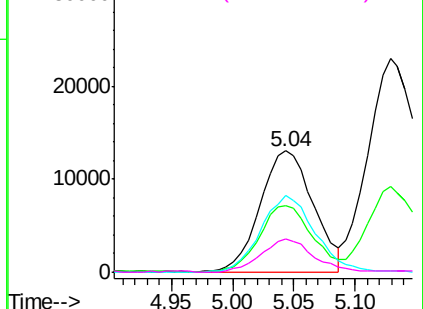
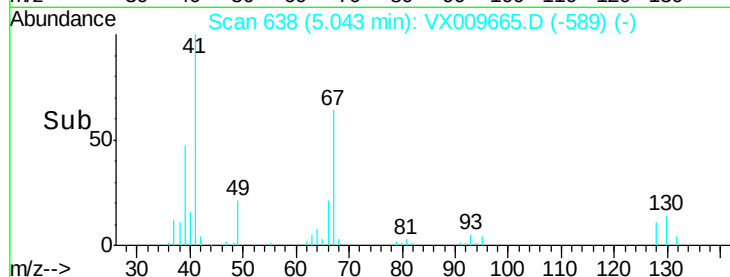


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 21.626 ug/l

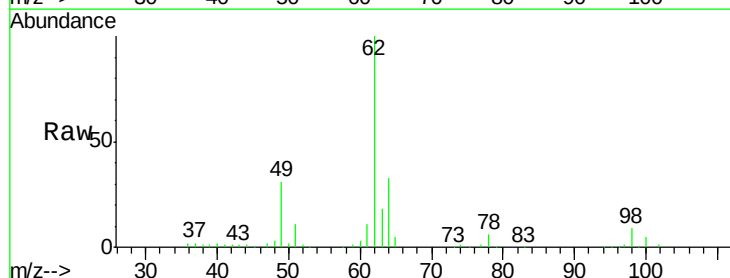
RT: 6.20 min Scan# 827

Delta R.T. 0.01 min

Lab File: VX009665.D

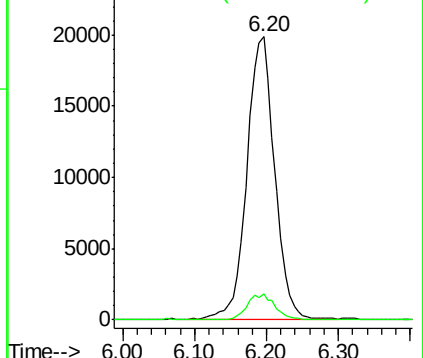
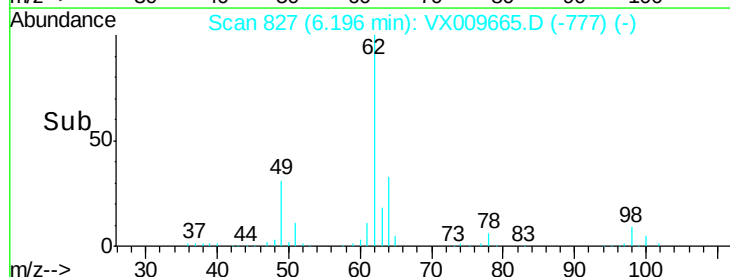
Acq: 17 May 2019 16:34

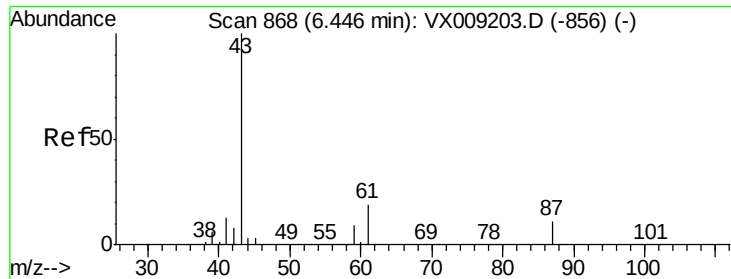
Tgt Ion:	62	Resp:	52874
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 22.367 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

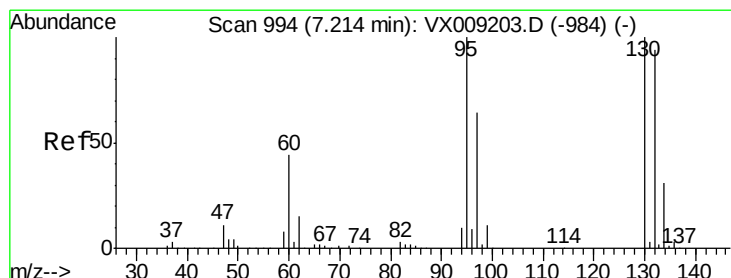
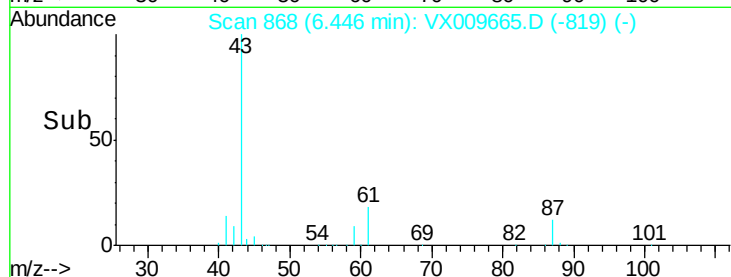
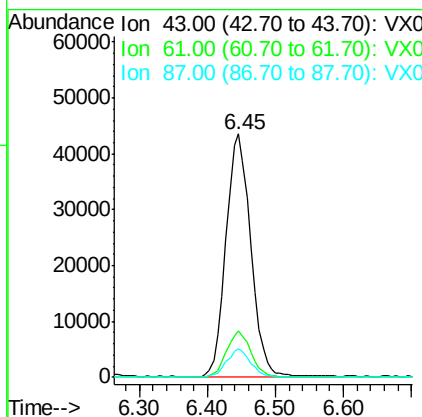
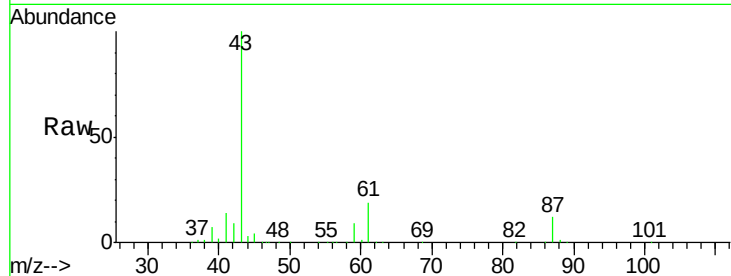
ClientSampleId :

VX0517WBS02

Tot Ion:	43	Resp:	109780
Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.1	22.7
87	11.4	9.0	13.6

Manual Integrations
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#44

Trichloroethene

Concen: 20.931 ug/l

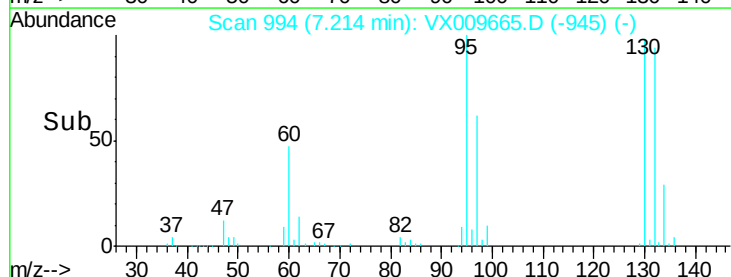
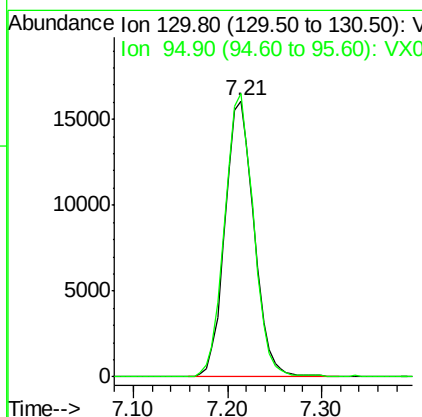
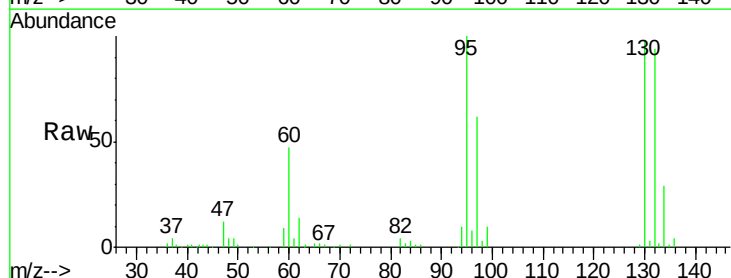
RT: 7.21 min Scan# 994

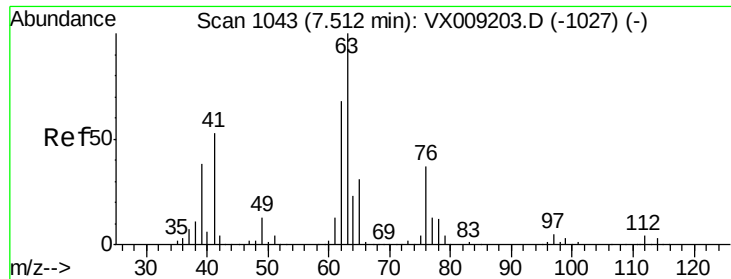
Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Tgt Ion:	130	Resp:	34488
Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	199.2





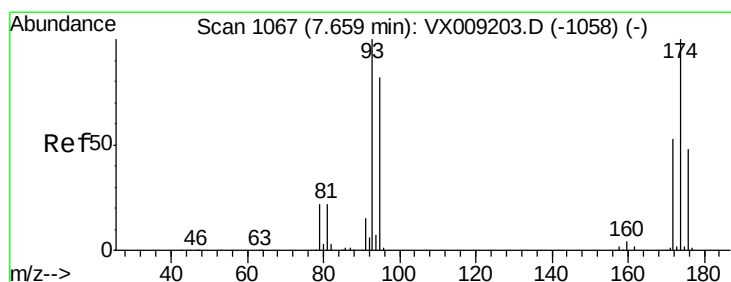
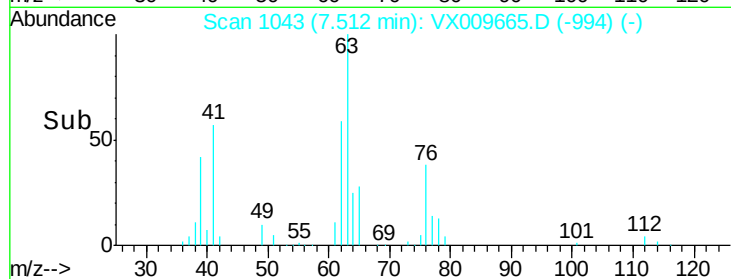
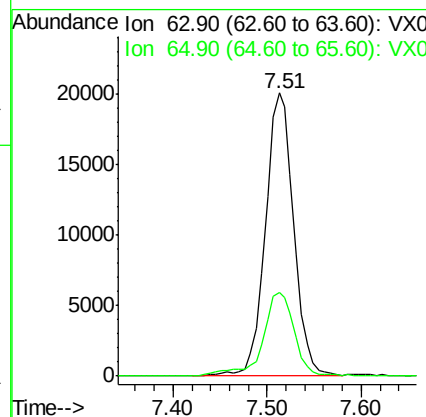
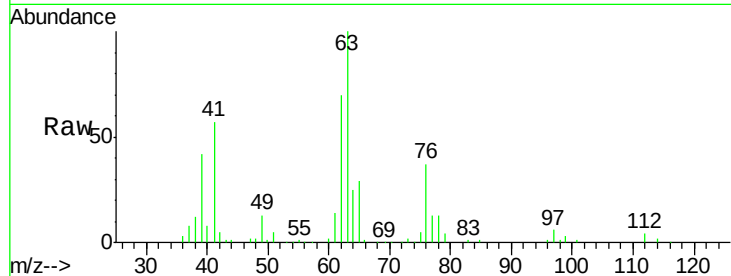
#45
 1,2-Dichloropropane
 Concen: 21.989 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX009665.D
 Acq: 17 May 2019 16:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS02

Tot Ion: 63 Resp: 42437
 Ion Ratio Lower Upper
 63 100
 65 29.3 25.0 37.6

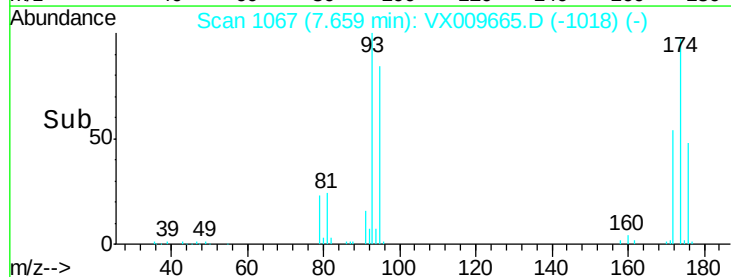
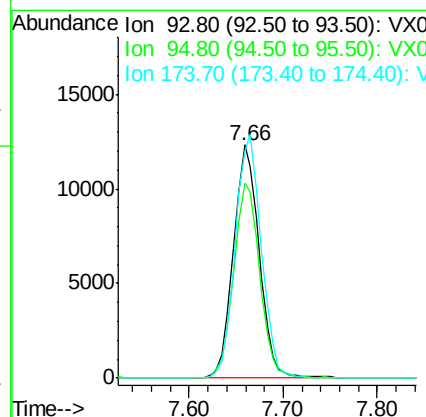
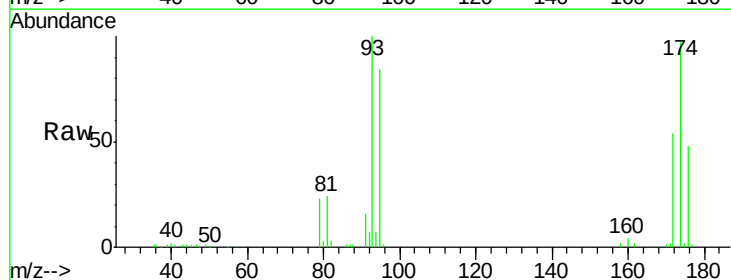
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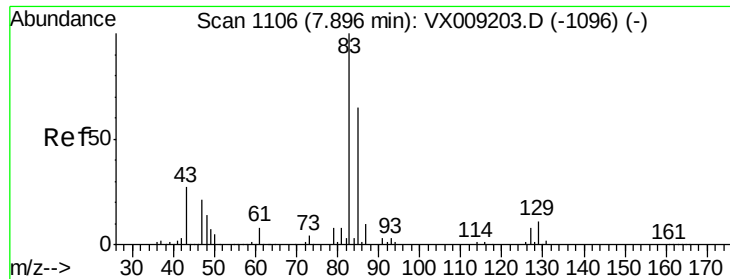
MMDadoda
 5/20/2019 11:12:06 AM



#46
 Dibromomethane
 Concen: 20.991 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX009665.D
 Acq: 17 May 2019 16:34

Tgt Ion: 93 Resp: 23525
 Ion Ratio Lower Upper
 93 100
 95 84.3 66.5 99.7
 174 105.0 82.1 123.1





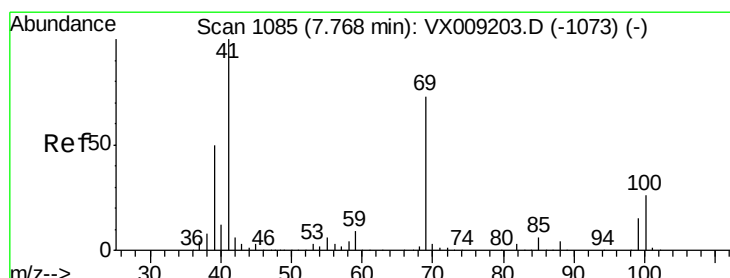
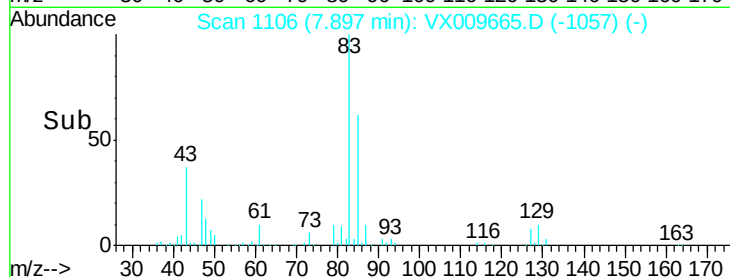
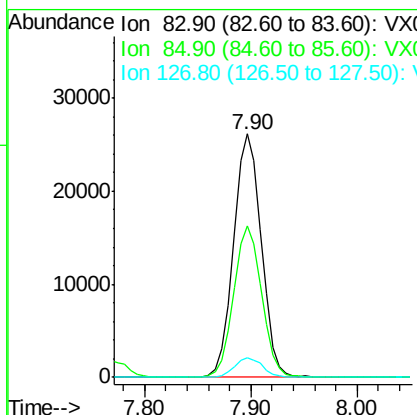
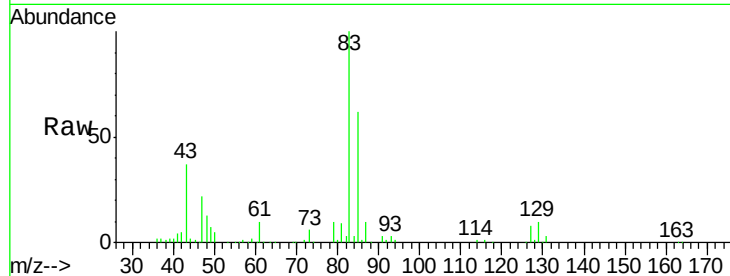
#47
Bromodichloromethane
Concen: 21.419 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS02

Tot Ion	83	Resp	47884
Ion Ratio	100	Lower	Upper
83	100		
85	62.0	52.4	78.6
127	8.2	6.6	10.0

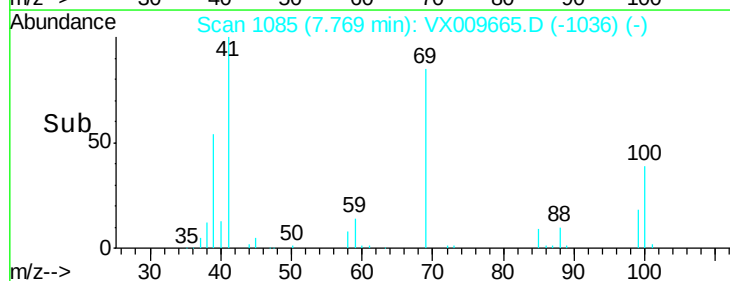
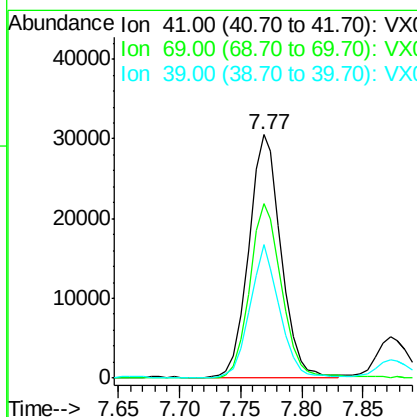
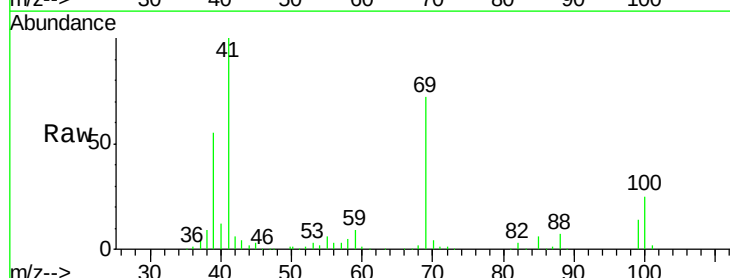
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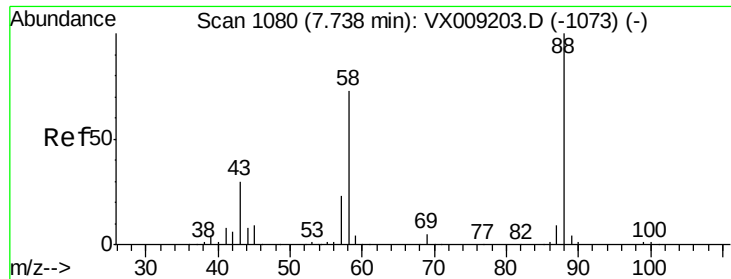
MMDadoda
5/20/2019 11:12:06 AM



#48
Methyl methacrylate
Concen: 22.841 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Tgt Ion	41	Resp	55620
Ion Ratio	100	Lower	Upper
41	100		
69	71.7	59.1	88.7
39	50.3	40.4	60.6





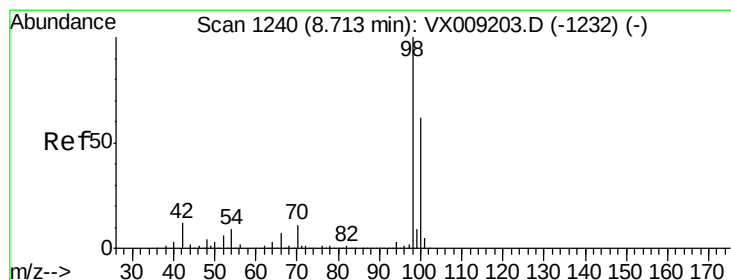
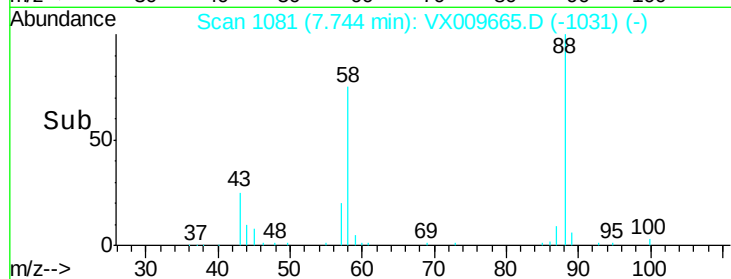
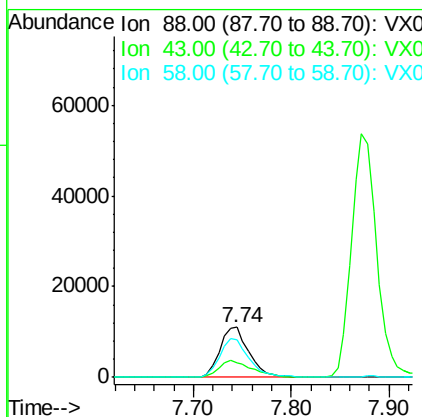
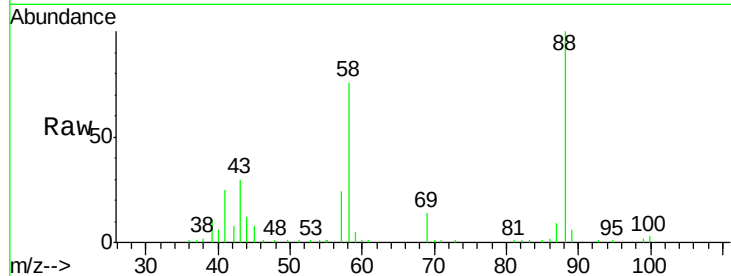
#49
 1,4-Dioxane
 Concen: 463.972 ug/l
 RT: 7.74 min Scan# 1081
 Delta R.T. 0.01 min
 Lab File: VX009665.D
 Acq: 17 May 2019 16:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS02

Tot Ion:	88	Resp:	22912
Ion	Ratio	Lower	Upper
88	100		
43	39.2	28.6	42.8
58	78.0	61.7	92.5

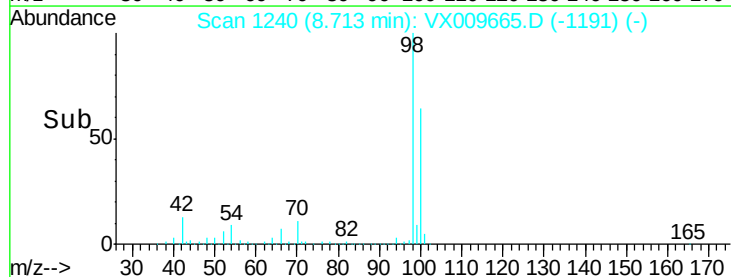
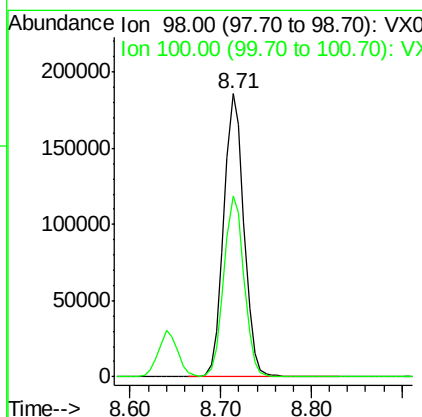
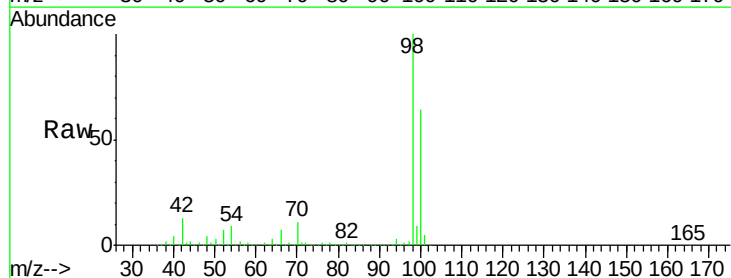
Manual Integrations
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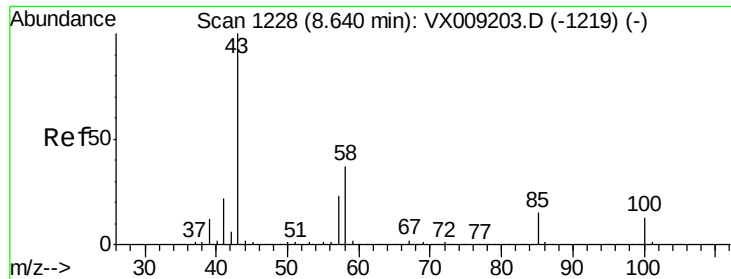
MMDadoda
 5/20/2019 11:12:06 AM



#50
 Toluene-d8
 Concen: 48.036 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX009665.D
 Acq: 17 May 2019 16:34

Tgt Ion:	98	Resp:	288914
Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 117.168 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

ClientSampled :

VX0517WBS02

Tot Ion: 43 Resp: 375883

Ion Ratio Lower Upper

43 100

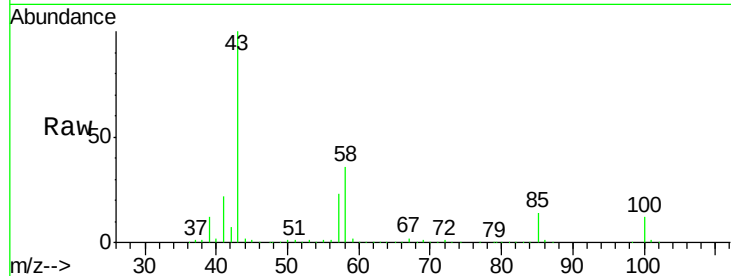
58 36.1 29.5 44.3

Manual Integrations

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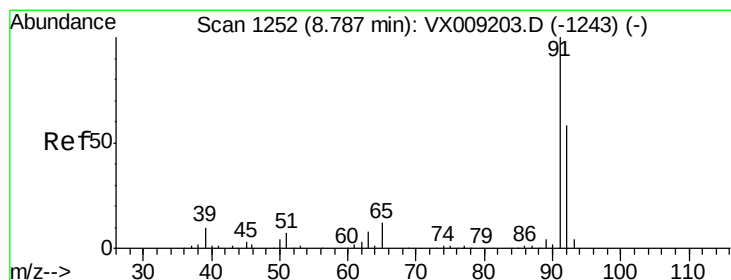
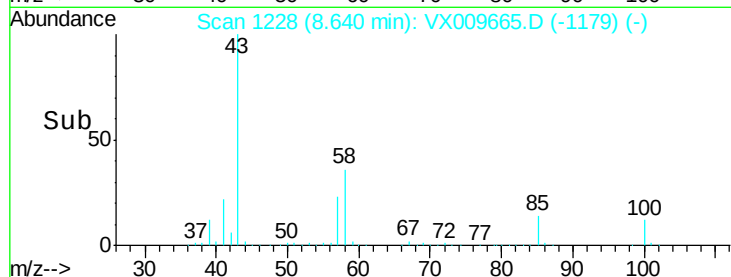
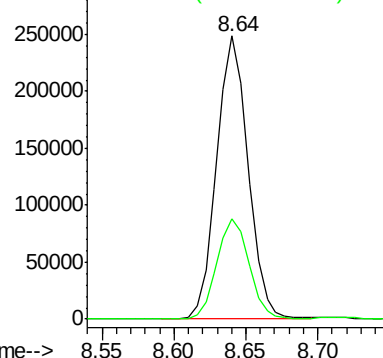
MMDadoda

5/20/2019 11:12:06 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 21.540 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009665.D

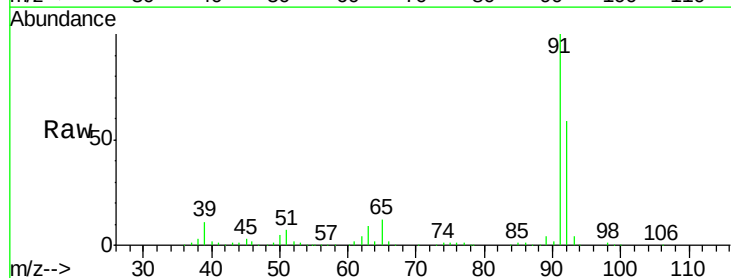
Acq: 17 May 2019 16:34

Tgt Ion: 92 Resp: 89240

Ion Ratio Lower Upper

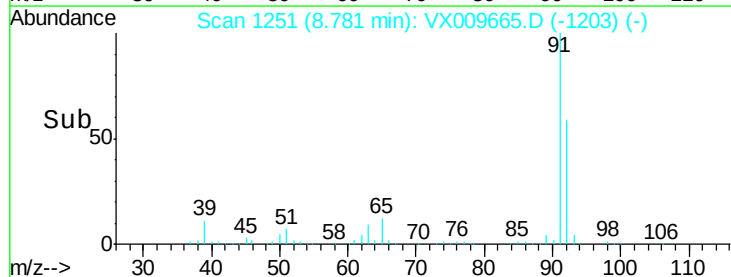
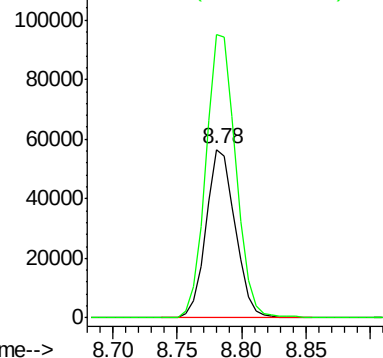
92 100

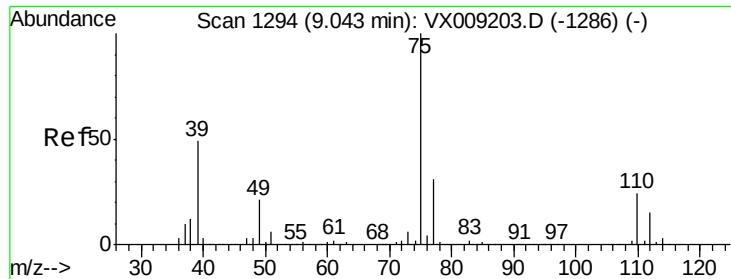
91 172.5 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





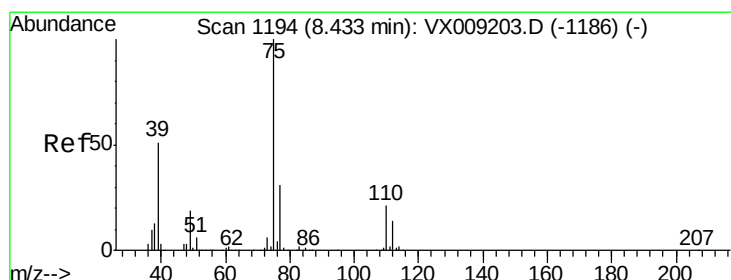
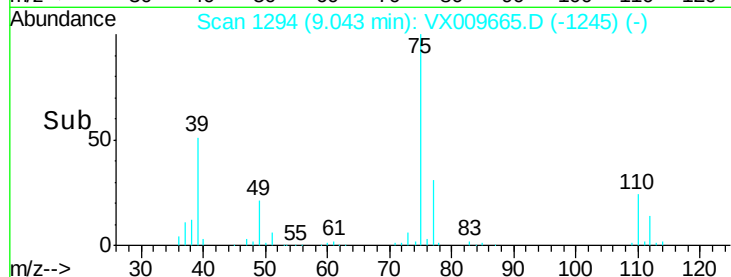
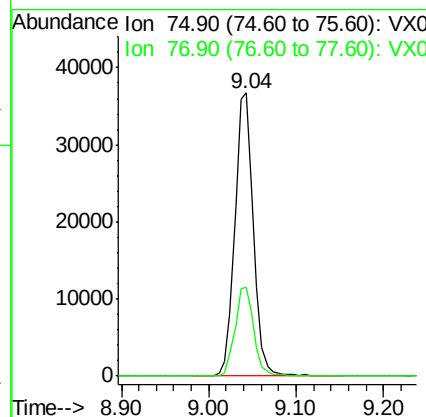
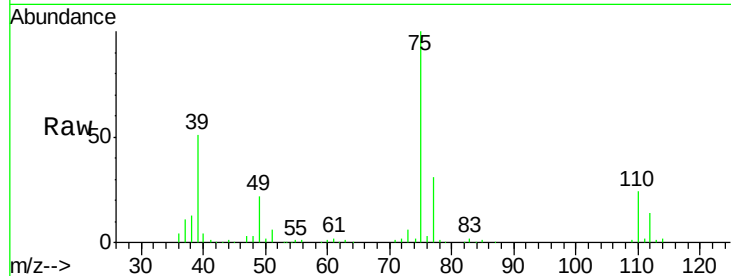
#53
t-1,3-Dichloropropene
Concen: 21.573 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS02

Tot Ion: 75 Resp: 54449
Ion Ratio Lower Upper
75 100
77 31.3 25.0 37.6

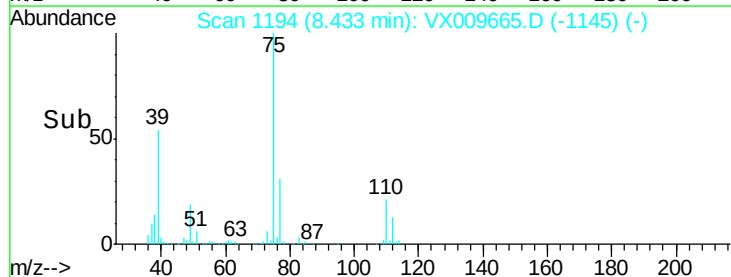
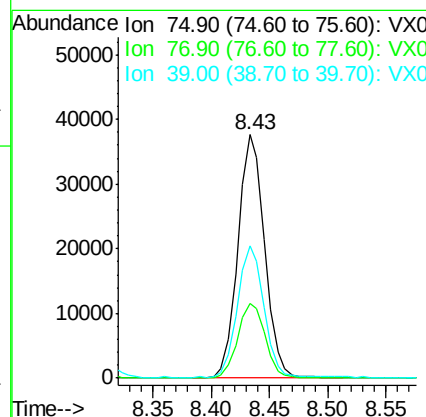
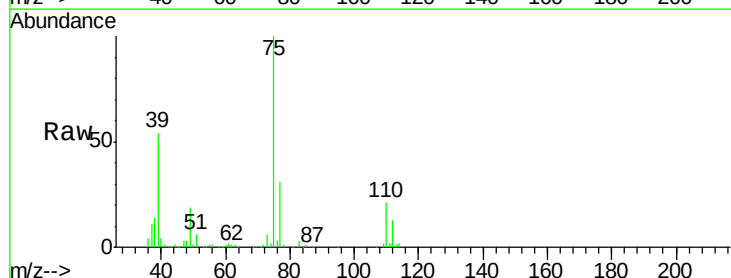
Manual Integrations
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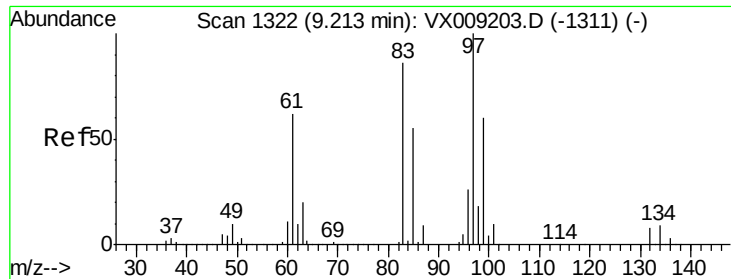
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 21.612 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Tgt Ion: 75 Resp: 60377
Ion Ratio Lower Upper
75 100
77 30.8 24.6 36.8
39 54.0 40.6 60.8





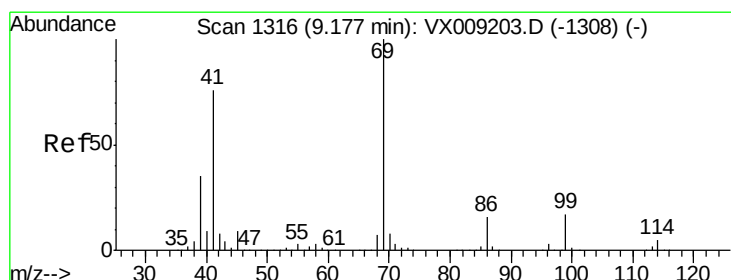
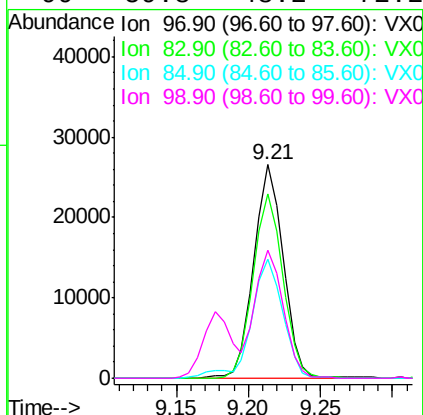
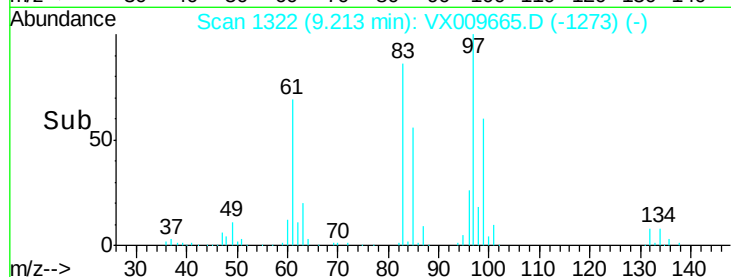
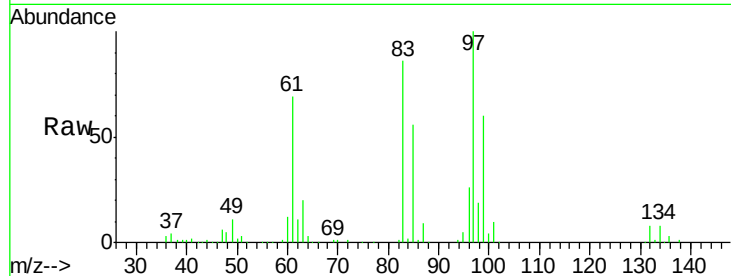
#55
 1,1,2-Trichloroethane
 Concen: 22.273 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009665.D
 Acq: 17 May 2019 16:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS02

Tot Ion:	97	Resp:	37648
Ion	Ratio	Lower	Upper
97	100		
83	86.2	68.9	103.3
85	55.7	43.8	65.6
99	59.8	48.2	72.2

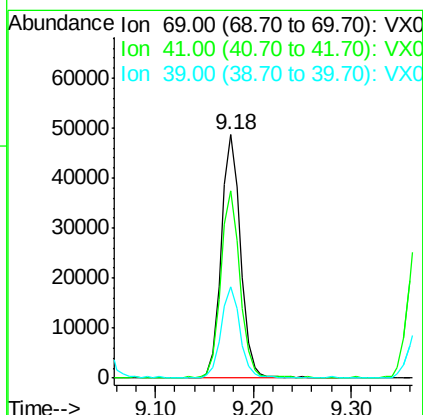
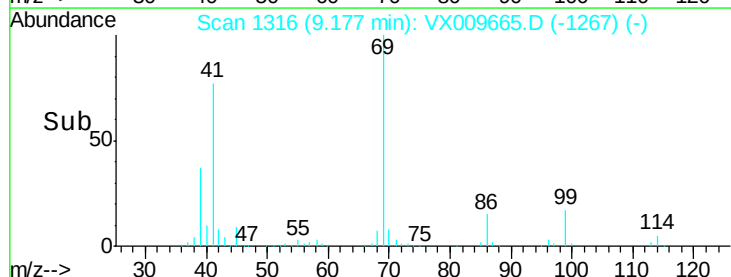
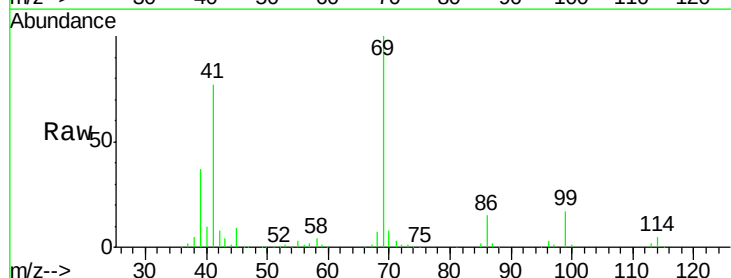
Manual Integrations
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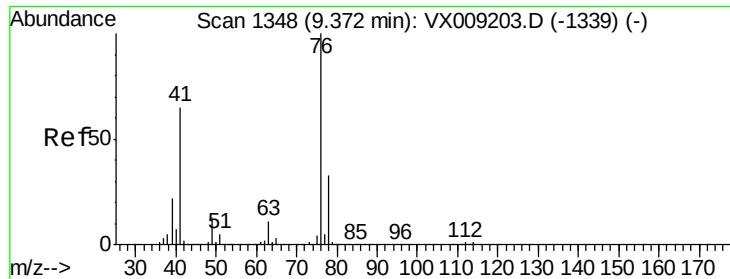
MMDadoda
 5/20/2019 11:12:06 AM



#56
 Ethyl methacrylate
 Concen: 22.160 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009665.D
 Acq: 17 May 2019 16:34

Tgt Ion:	69	Resp:	66862
Ion	Ratio	Lower	Upper
69	100		
41	76.5	60.6	90.8
39	36.6	28.2	42.4





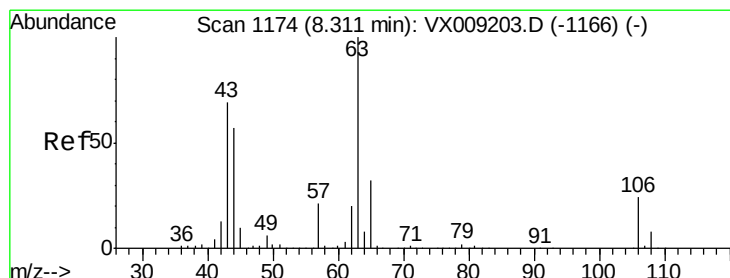
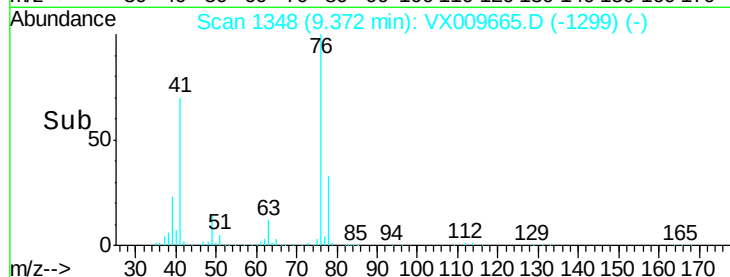
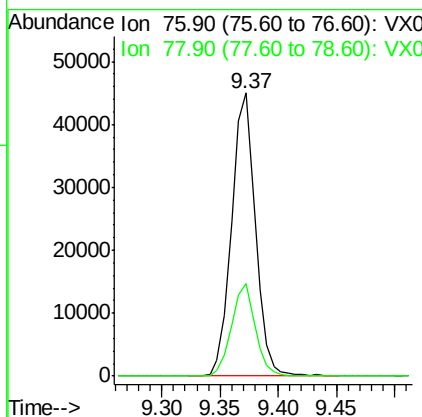
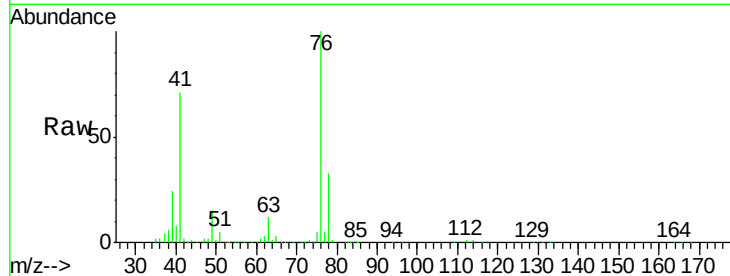
#57
 1,3-Dichloropropane
 Concen: 21.686 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX009665.D
 Acq: 17 May 2019 16:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS02

Tot Ion: 76 Resp: 64505
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.5 38.3

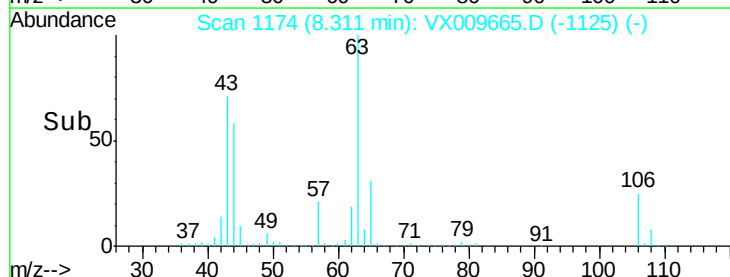
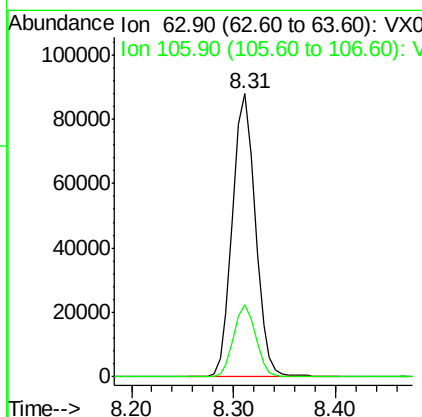
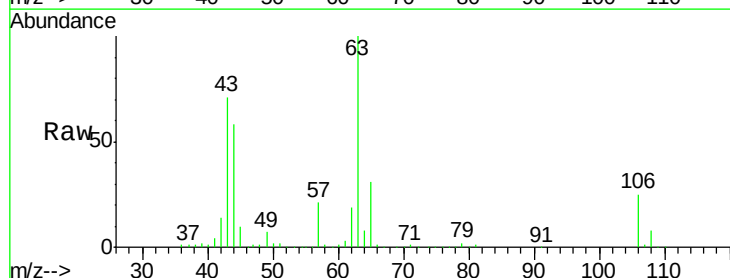
Manual Integrations
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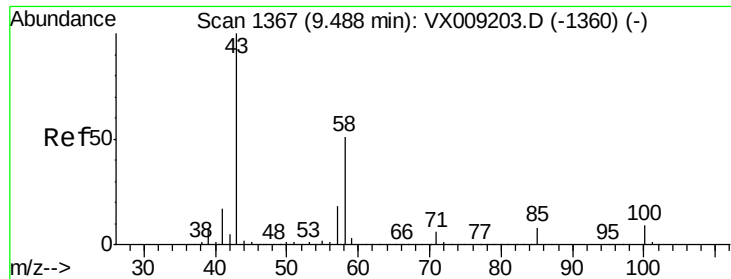
MMDadoda
 5/20/2019 11:12:06 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 85.611 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX009665.D
 Acq: 17 May 2019 16:34

Tgt Ion: 63 Resp: 137031
 Ion Ratio Lower Upper
 63 100
 106 24.6 19.7 29.5





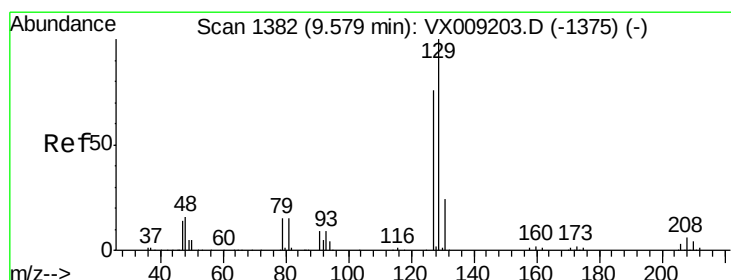
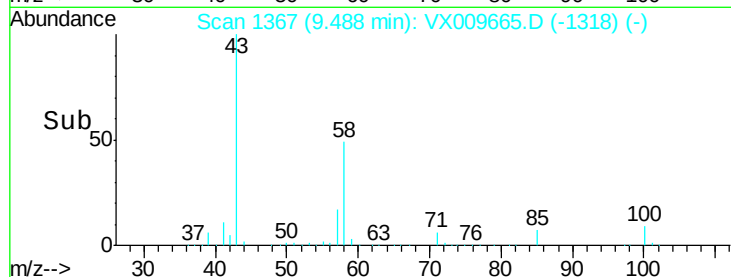
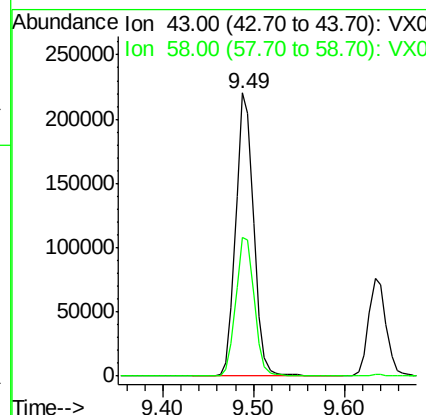
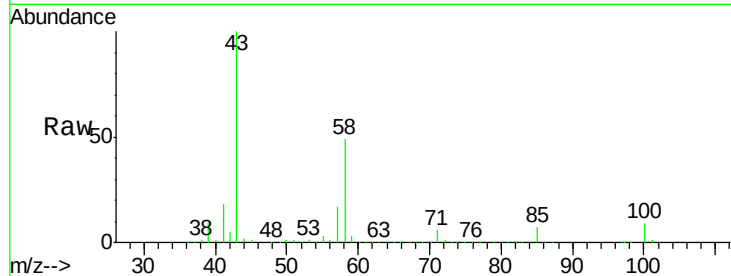
#59
2-Hexanone
Concen: 119.959 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS02

Tot Ion: 43 Resp: 302244
Ion Ratio Lower Upper
43 100
58 50.4 25.9 77.7

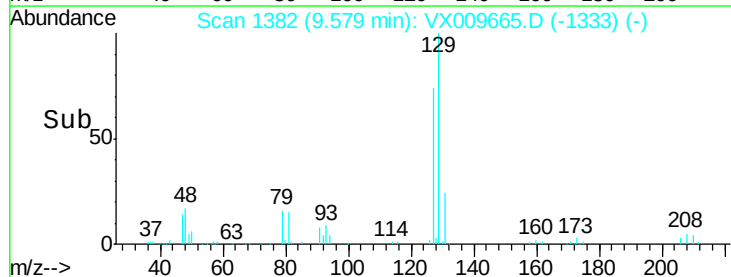
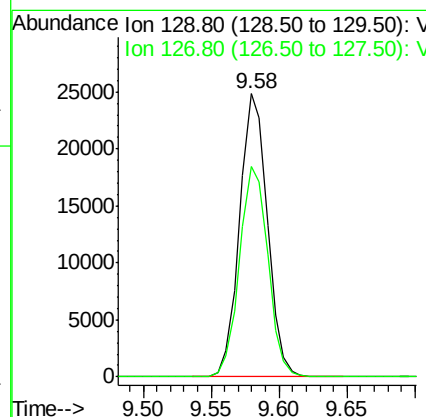
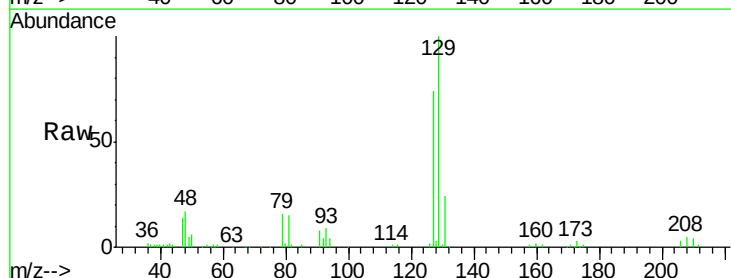
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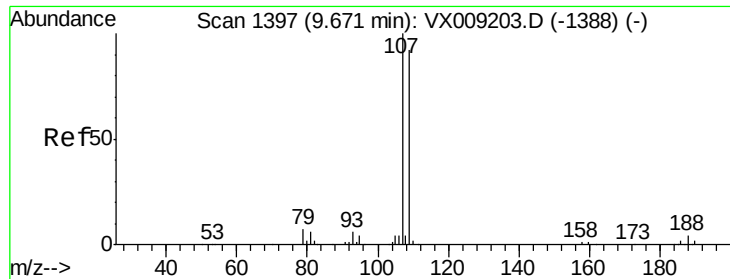
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#60
Dibromochloromethane
Concen: 21.457 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Tgt Ion: 129 Resp: 35423
Ion Ratio Lower Upper
129 100
127 75.9 38.4 115.1





#61

1,2-Dibromoethane

Concen: 21.822 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS02

Tot Ion:107 Resp: 37233

Ion Ratio Lower Upper

107 100

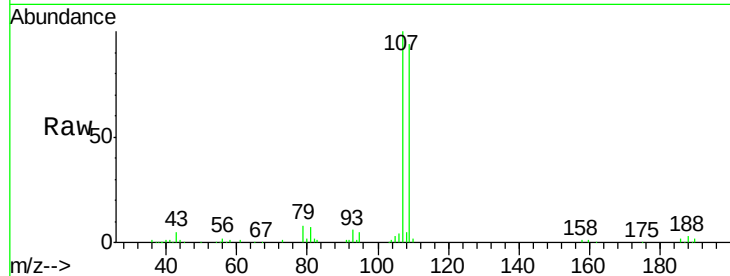
109 92.4 75.2 112.8

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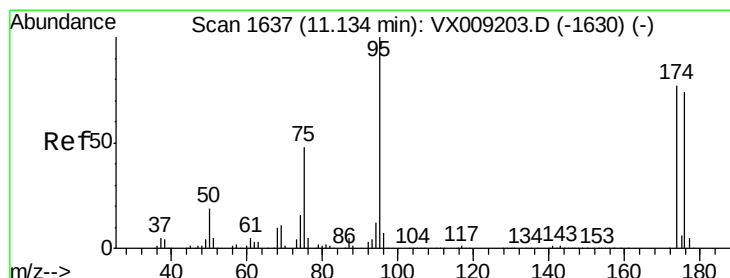
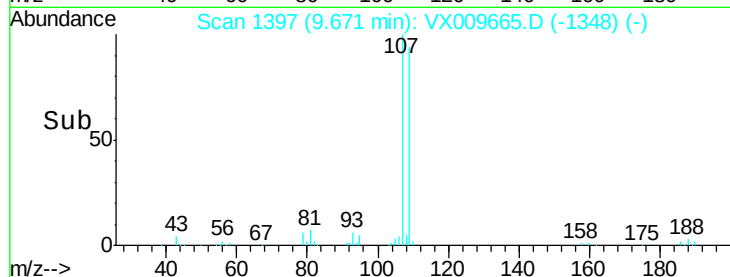


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

Time-->



#62

4-Bromofluorobenzene

Concen: 49.450 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

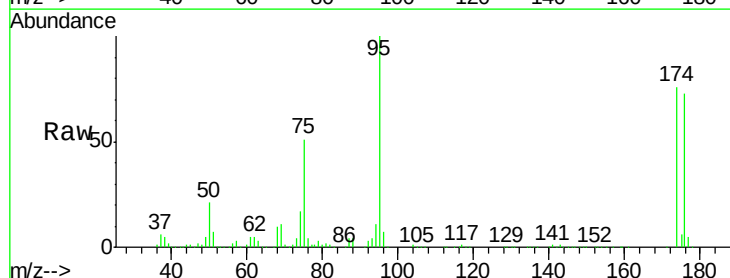
Tgt Ion: 95 Resp: 108071

Ion Ratio Lower Upper

95 100

174 82.1 0.0 161.6

176 78.7 0.0 159.2



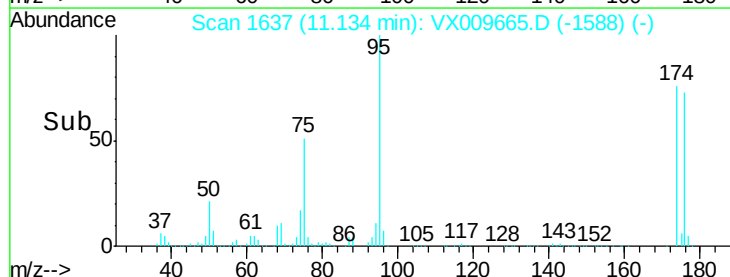
Abundance Ion 94.90 (94.60 to 95.60): VX0

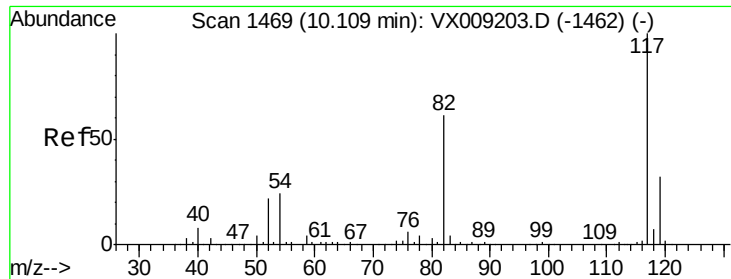
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

Time-->





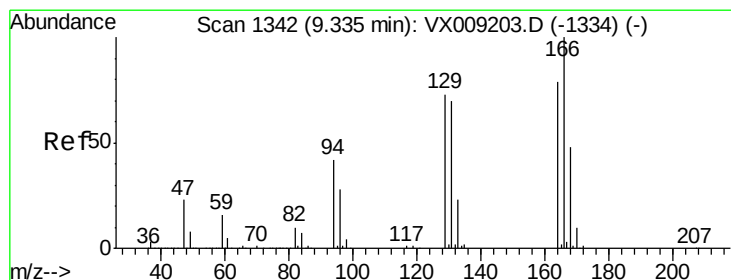
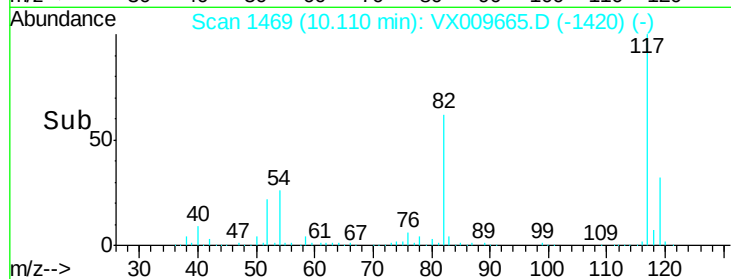
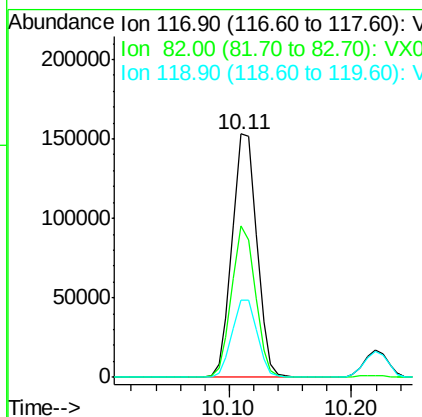
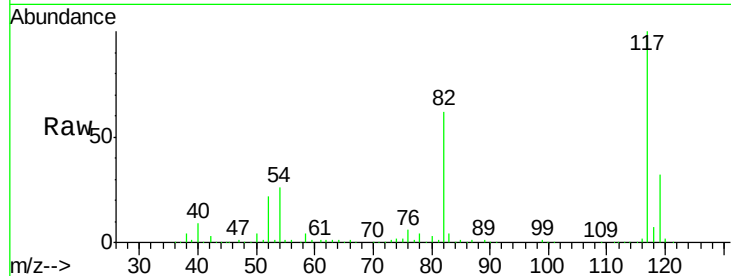
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	213832		
82	62.1	48.8	73.2	
119	31.9	25.8	38.6	

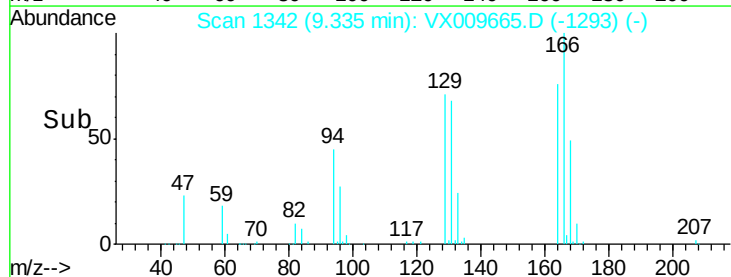
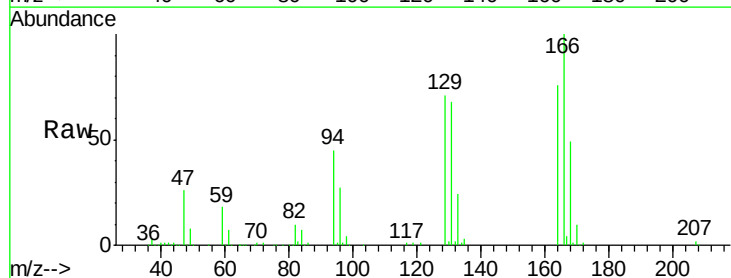
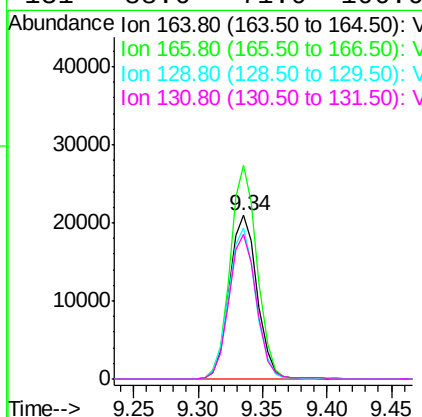
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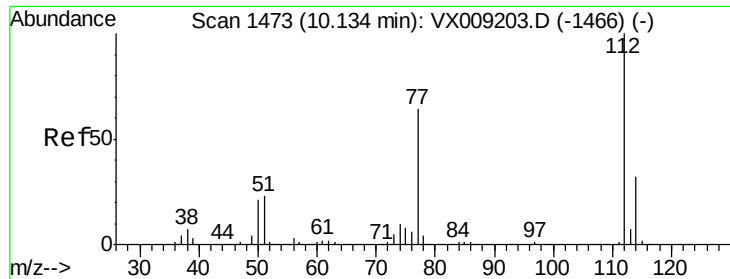
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#64
Tetrachloroethene
Concen: 21.580 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	31654		
166	130.8	101.2	151.8	
129	92.8	74.3	111.5	
131	88.6	71.0	106.6	





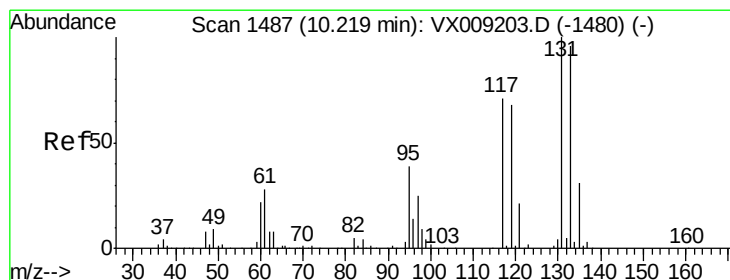
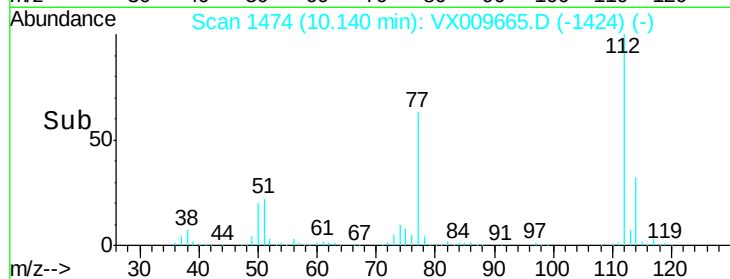
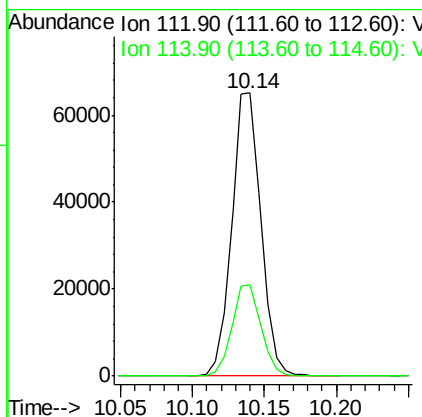
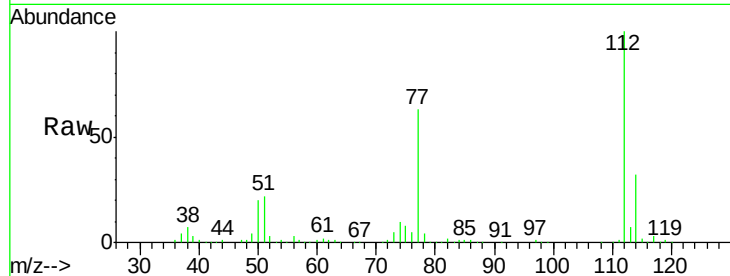
#65
Chlorobenzene
Concen: 21.616 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS02

Tot Ion:112 Resp: 92463
Ion Ratio Lower Upper
112 100
114 32.3 25.5 38.3

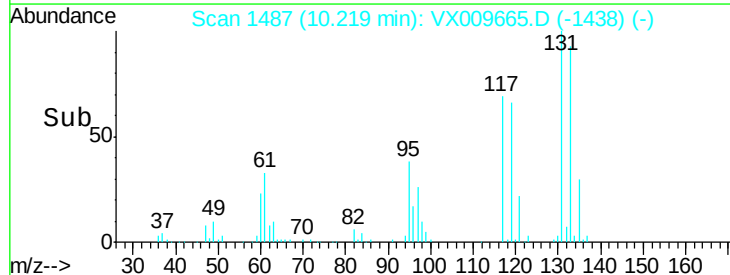
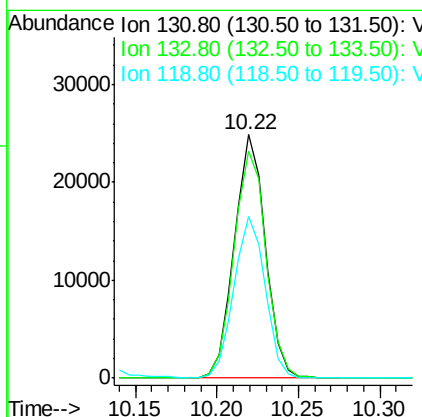
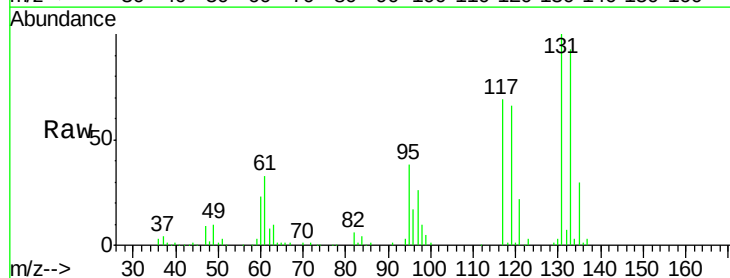
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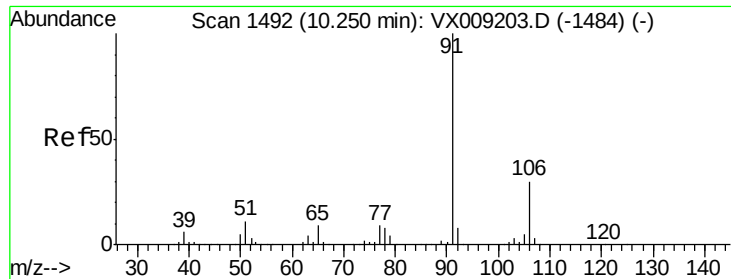
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.268 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Tgt Ion:131 Resp: 32983
Ion Ratio Lower Upper
131 100
133 96.2 47.7 143.1
119 67.1 33.5 100.4





#67

Ethyl Benzene

Concen: 21.644 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS02

Tot Ion: 91 Resp: 170388

Ion Ratio Lower Upper

91 100

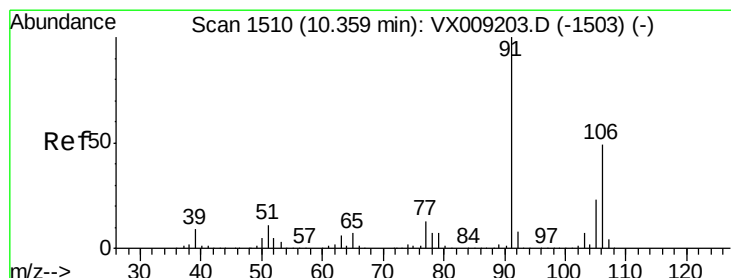
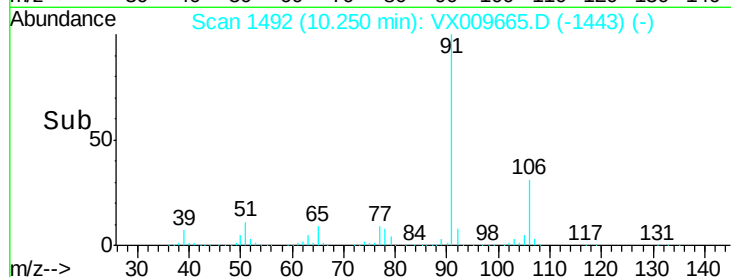
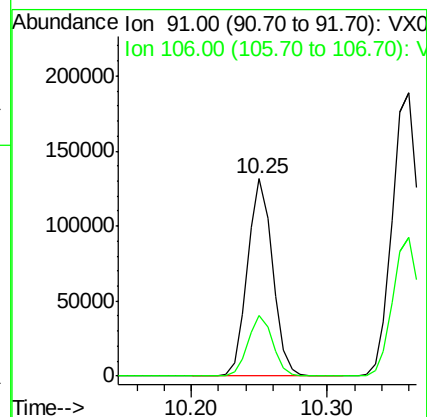
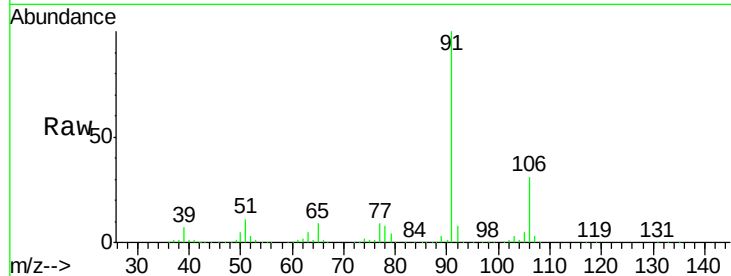
106 30.9 24.0 36.0

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#68

m/p-Xylenes

Concen: 43.989 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX009665.D

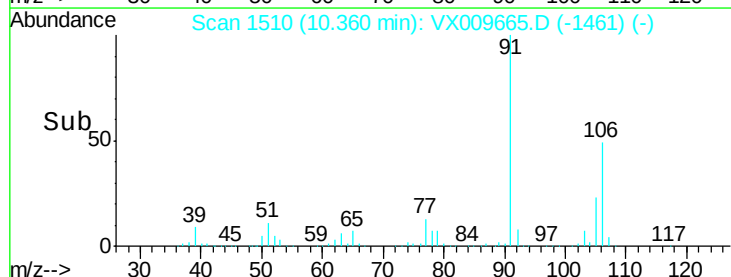
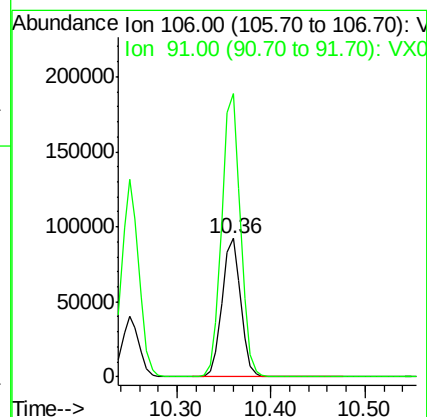
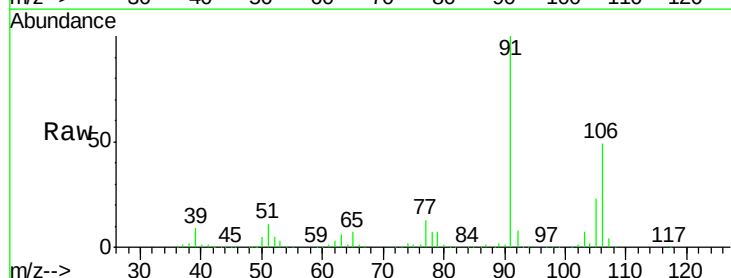
Acq: 17 May 2019 16:34

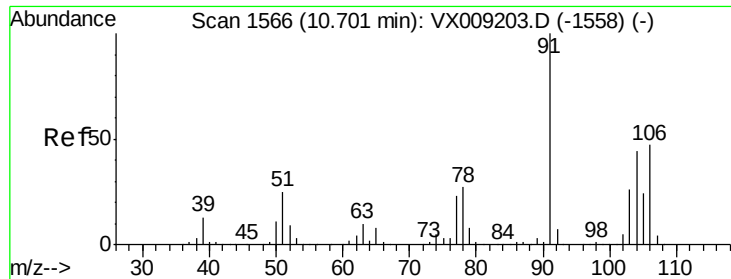
Tgt Ion: 106 Resp: 126548

Ion Ratio Lower Upper

106 100

91 206.0 164.0 246.0





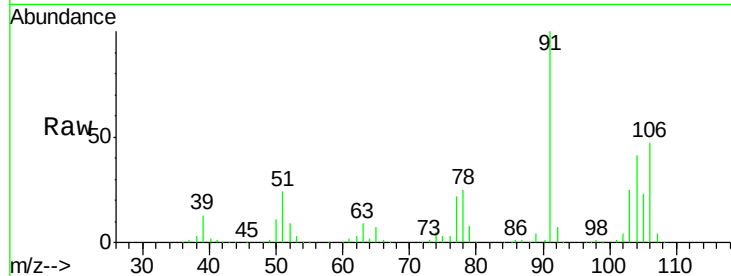
#69
o-Xylene
Concen: 21.626 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS02

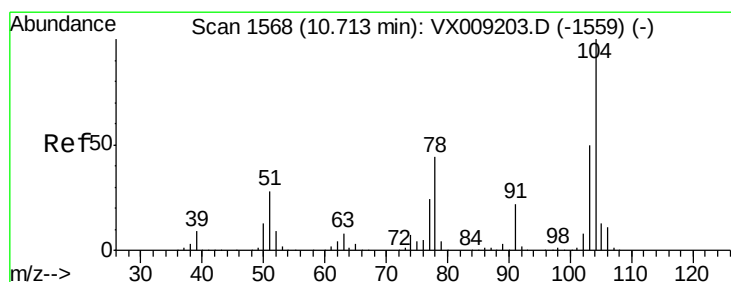
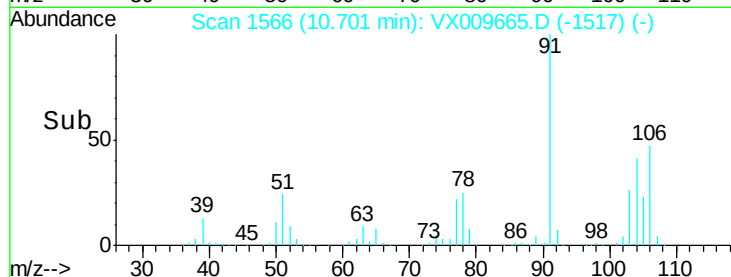
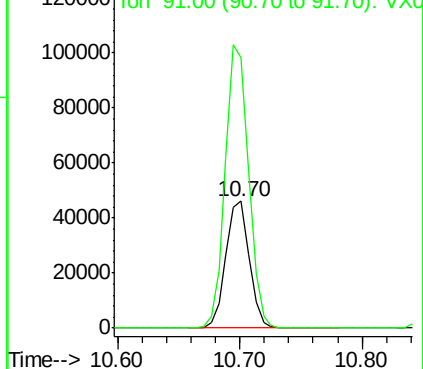
Tot Ion:106 Resp: 61383
Ion Ratio Lower Upper
106 100
91 221.7 109.5 328.4

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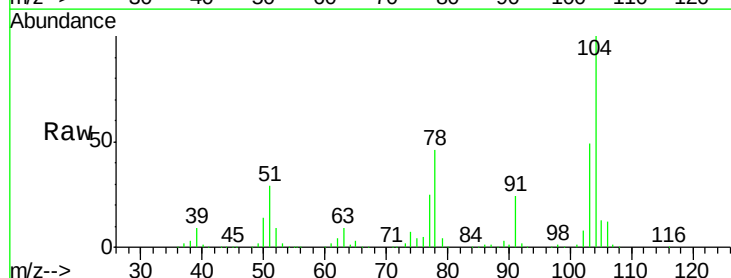


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

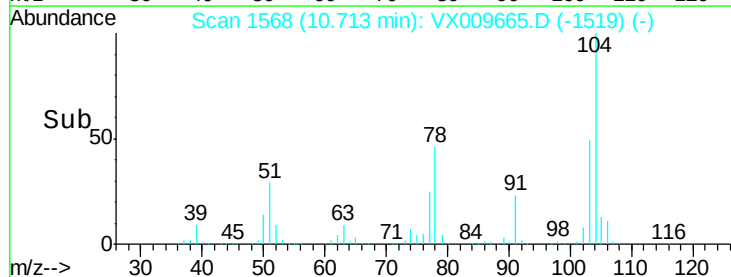
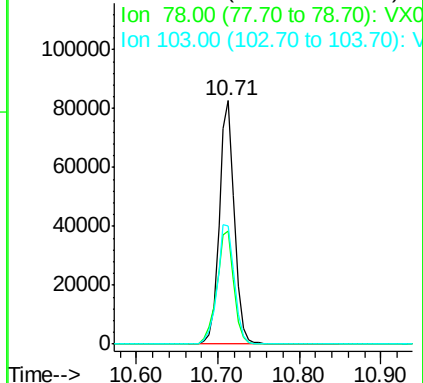


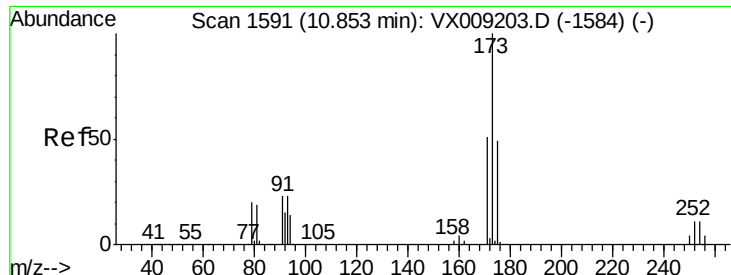
#70
Styrene
Concen: 21.756 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Tgt Ion:104 Resp: 107330
Ion Ratio Lower Upper
104 100
78 52.9 41.0 61.4
103 55.8 43.8 65.6



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





#71

Bromoform

Concen: 20.881 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS02

Tot Ion:173 Resp: 26315

Ion Ratio Lower Upper

173 100

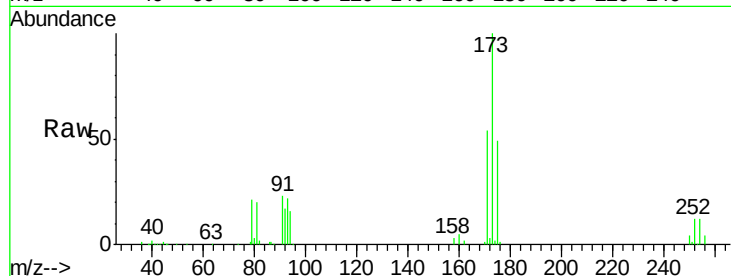
175 49.5 24.5 73.5

254 0.0 0.1 0.1#

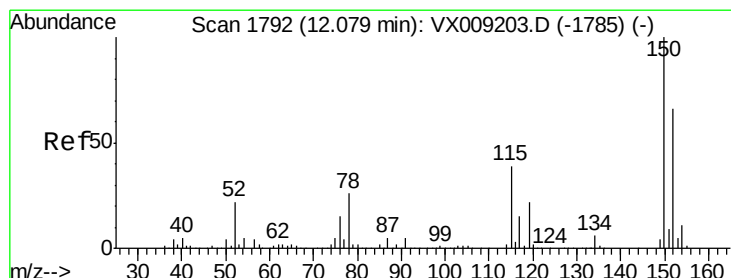
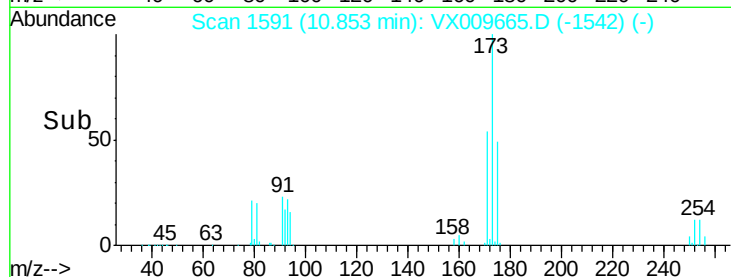
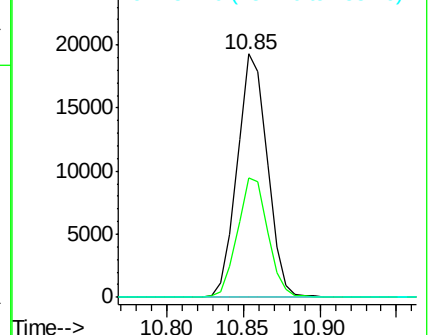
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

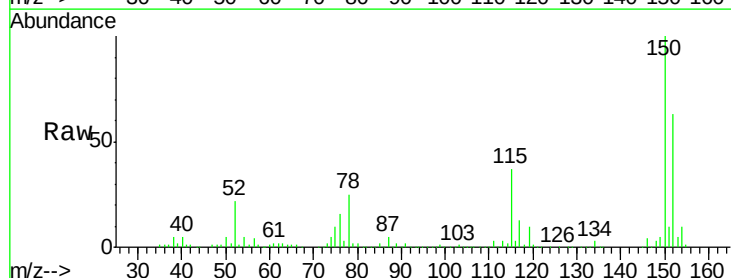
Tgt Ion:152 Resp: 108601

Ion Ratio Lower Upper

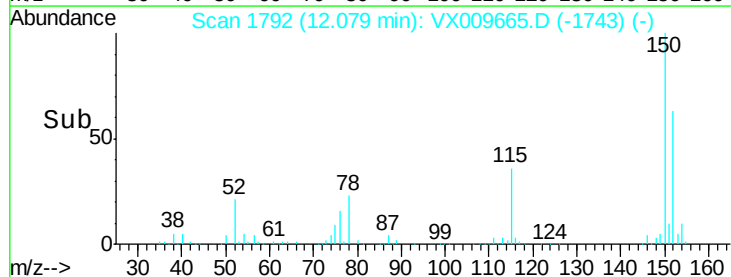
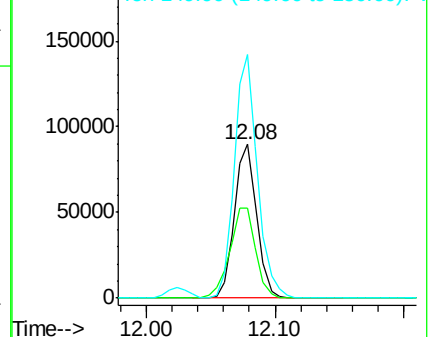
152 100

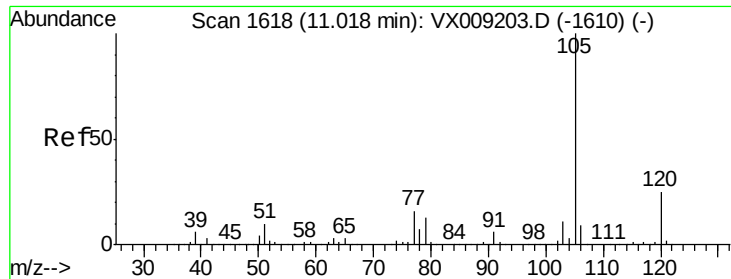
115 68.6 41.2 123.6

150 164.1 0.0 346.4



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





#73

Isopropylbenzene

Concen: 21.202 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS02

Tot Ion: 105 Resp: 167438

Ion Ratio Lower Upper

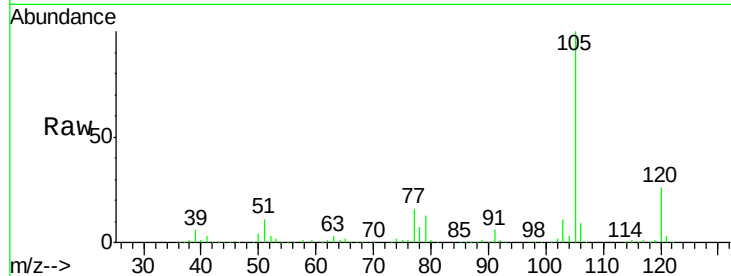
105 100

120 26.0 12.8 38.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

110000

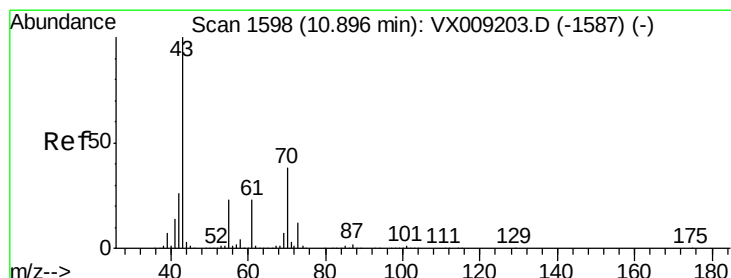
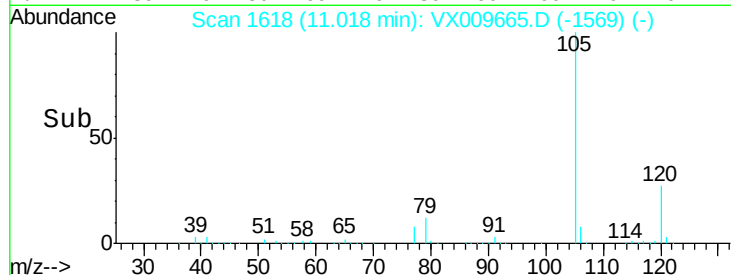
50000

0

11.02

11.00

Time-->



#74

N-ethyl acetate

Concen: 21.426 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Tgt Ion: 43 Resp: 98652

Ion Ratio Lower Upper

43 100

70 36.5 30.0 45.0

55 23.3 17.9 26.9

61 21.9 18.4 27.6

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

120000

100000

80000

60000

40000

20000

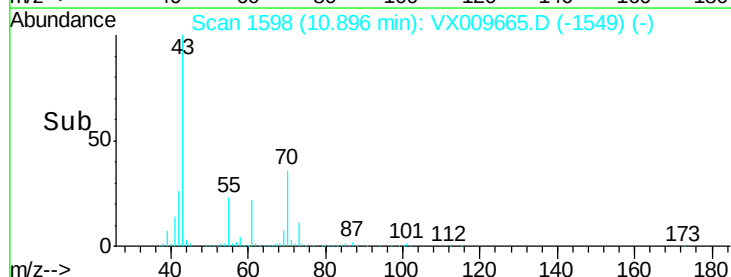
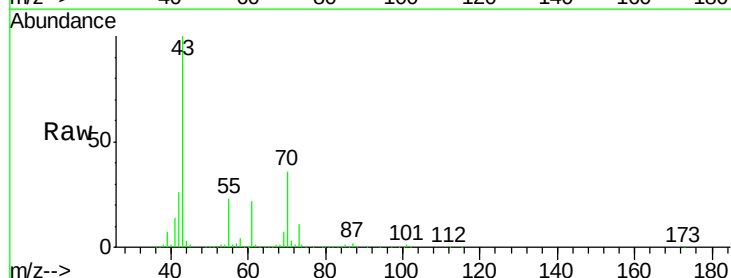
0

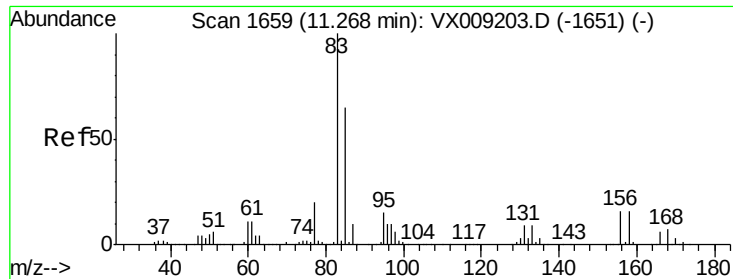
10.90

10.80

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.469 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

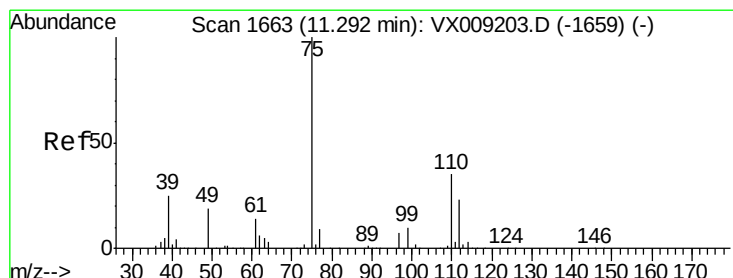
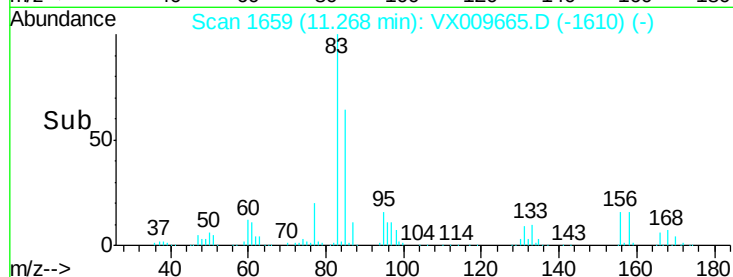
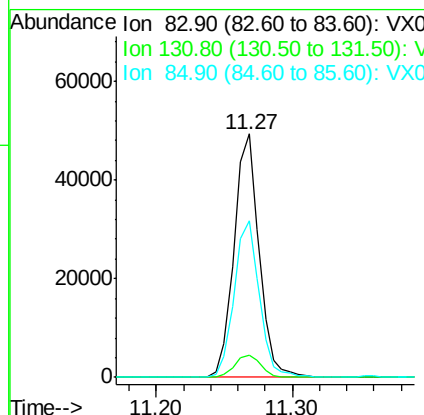
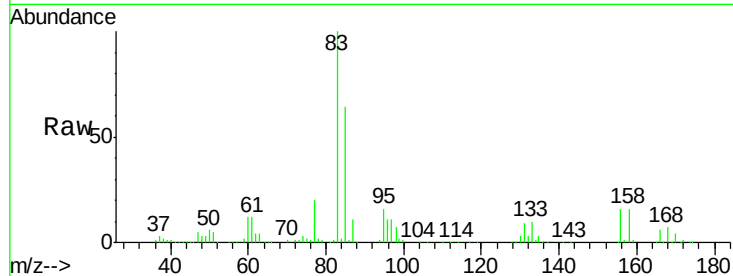
ClientSampleId :

VX0517WBS02

Tot Ion:	83	Resp:	63206
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.6	13.8
85	65.0	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 21.191 ug/l m

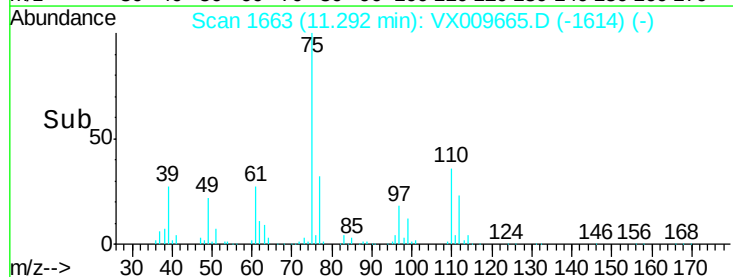
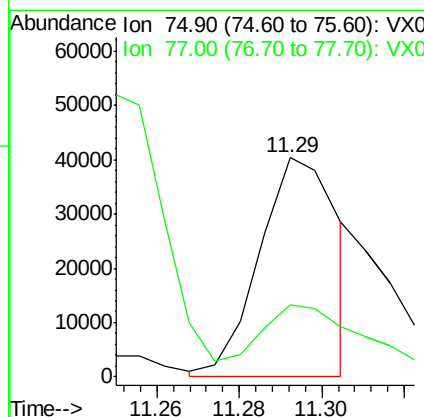
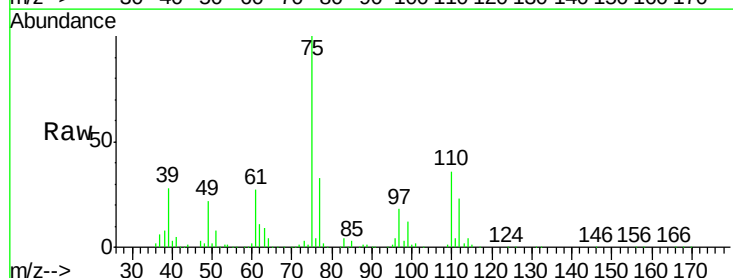
RT: 11.29 min Scan# 1663

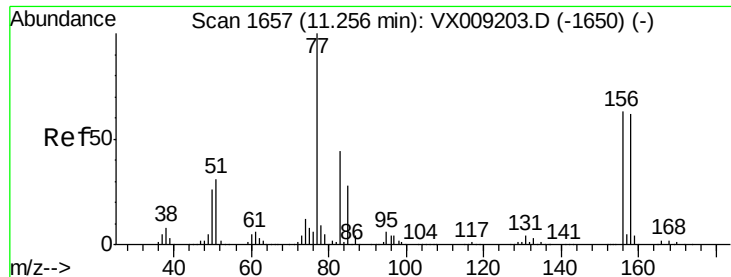
Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Tgt Ion:	75	Resp:	53383
Ion Ratio	Lower	Upper	
75	100		
77	45.2	22.1	66.1





#77

Bromobenzene

Concen: 21.037 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

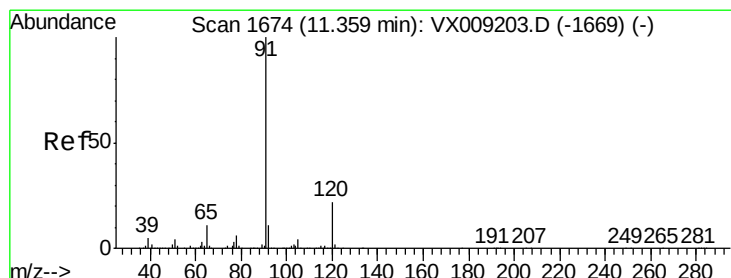
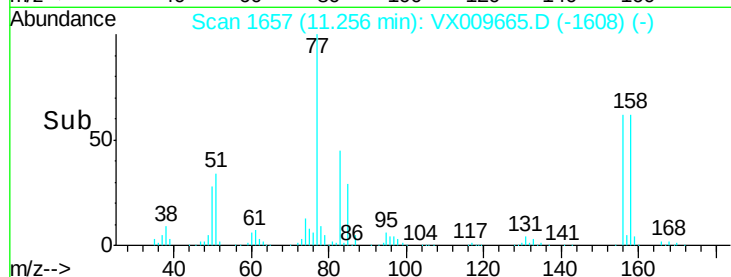
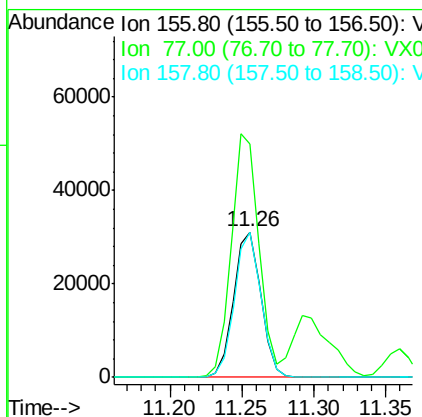
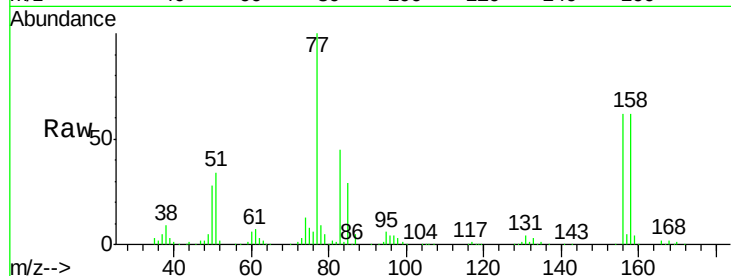
ClientSampleId :

VX0517WBS02

Tot Ion:	156	Resp:	41235
Ion	Ratio	Lower	Upper
156	100		
77	169.5	84.8	254.3
158	97.0	49.1	147.3

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#78

n-propylbenzene

Concen: 21.248 ug/l

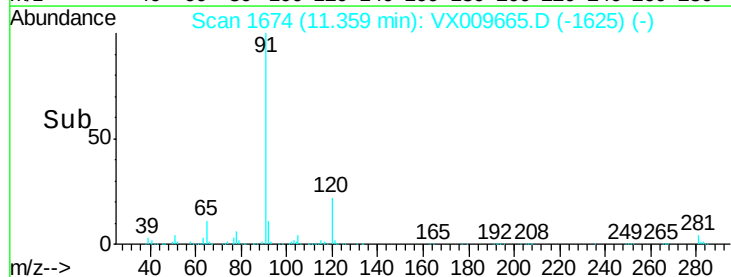
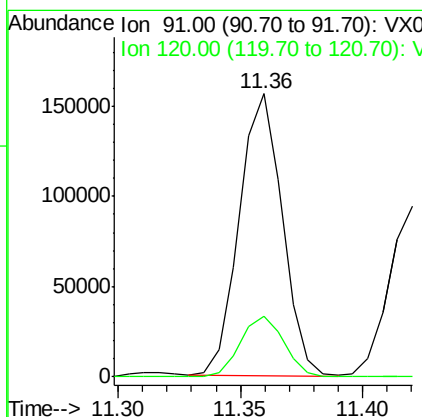
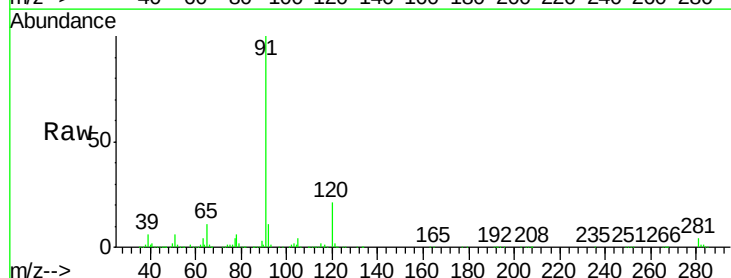
RT: 11.36 min Scan# 1674

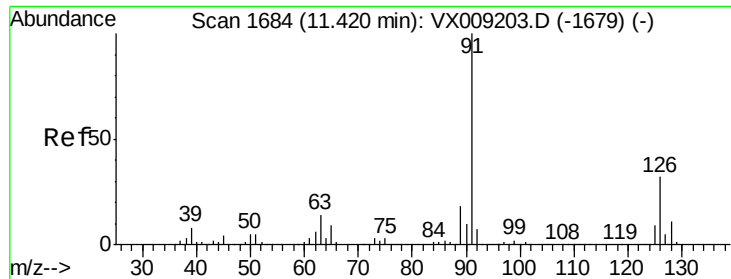
Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Tgt Ion:	91	Resp:	191635
Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.0	33.0





#79

2-Chlorotoluene

Concen: 20.541 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

ClientSampled :

VX0517WBS02

Tot Ion: 91 Resp: 114296

Ion Ratio Lower Upper

91 100

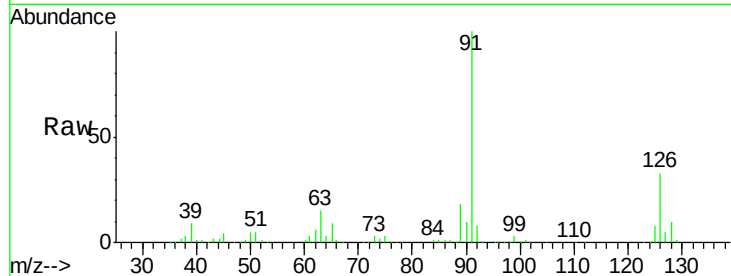
126 33.1 16.3 48.9

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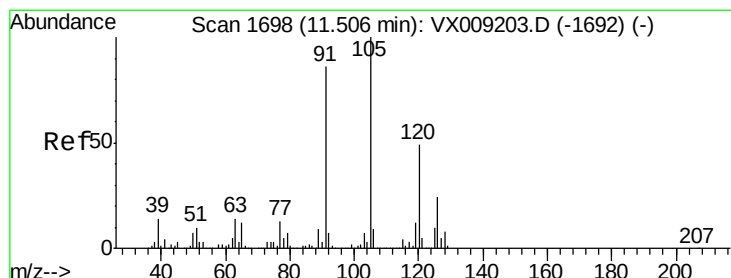
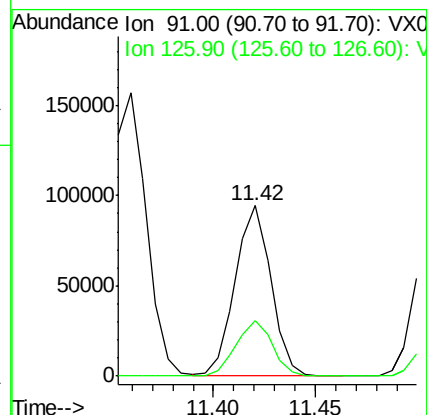
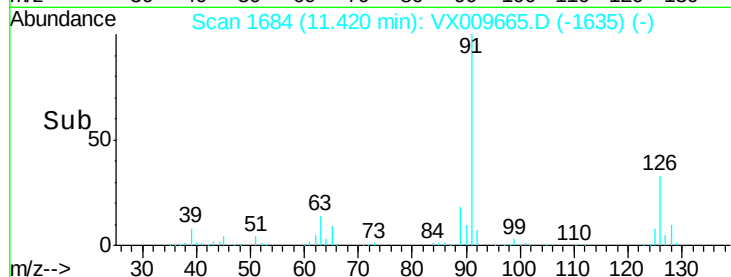
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.503 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009665.D

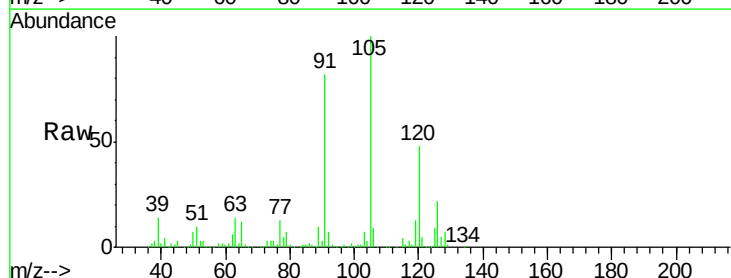
Acq: 17 May 2019 16:34

Tgt Ion:105 Resp: 142983

Ion Ratio Lower Upper

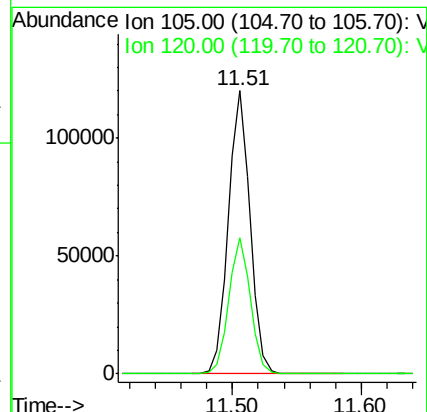
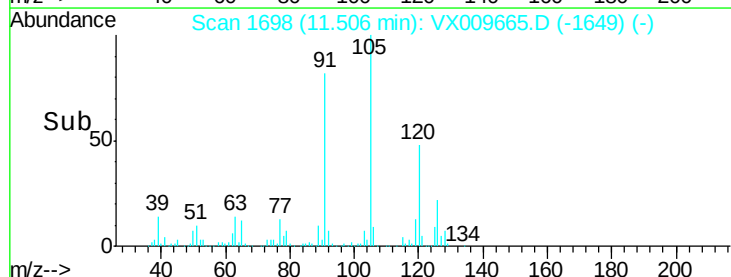
105 100

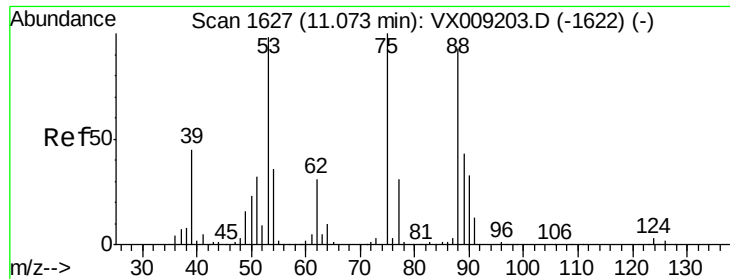
120 47.9 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





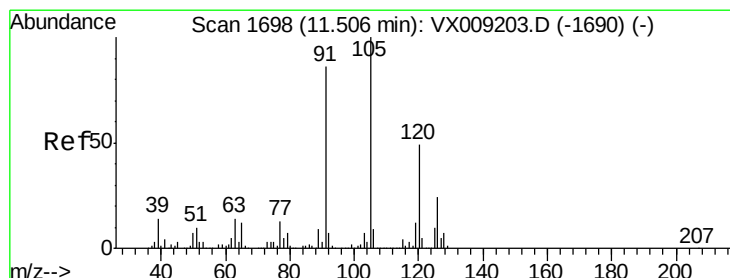
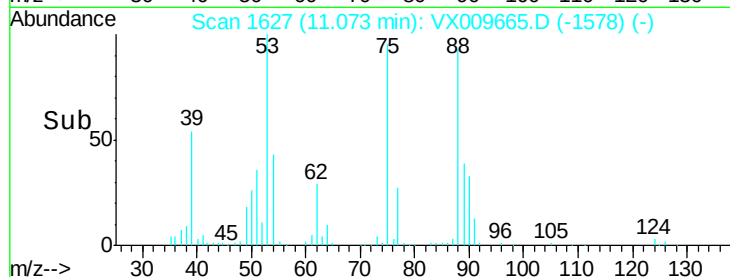
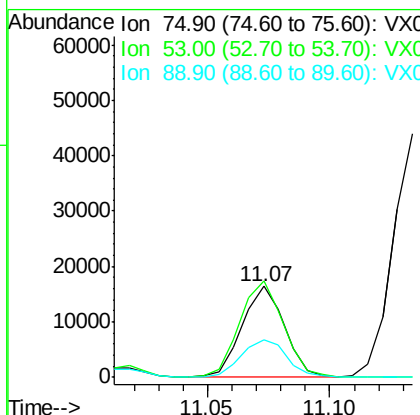
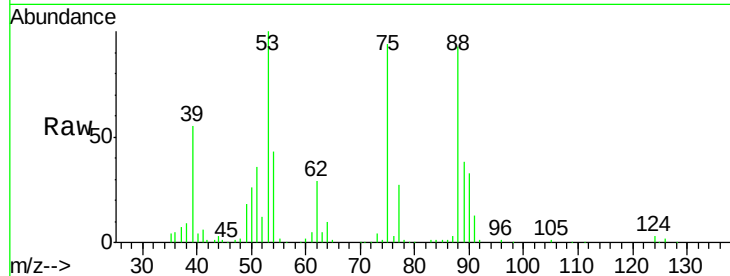
#81
trans-1,4-Dichloro-2-butene
Concen: 19.894 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Instrument :
MSVOA_X
ClientSampleId :
VX0517WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	110.6	79.0	118.6
89	44.6	34.7	52.1

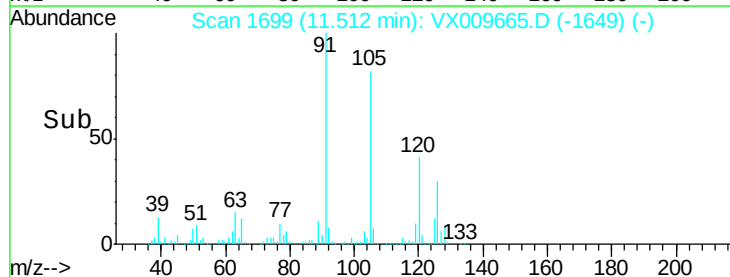
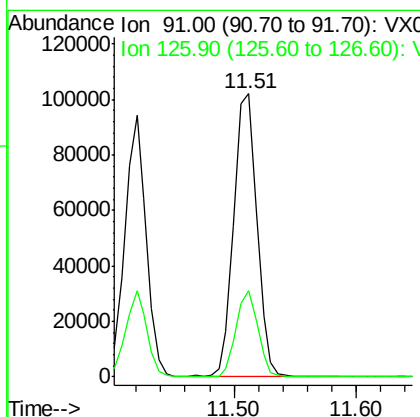
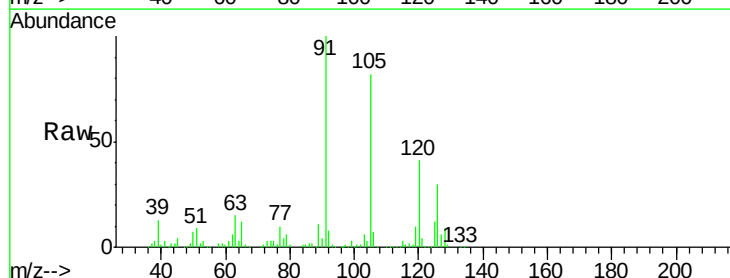
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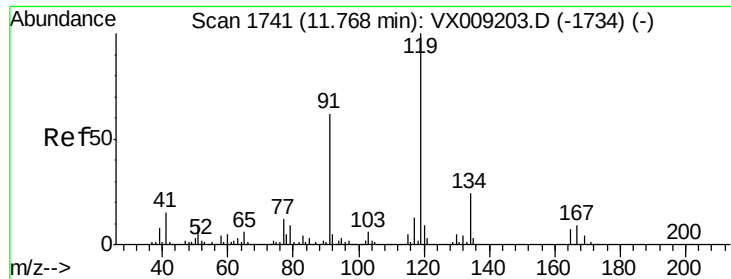
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#82
4-Chlorotoluene
Concen: 21.104 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.01 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.8	14.5	43.6





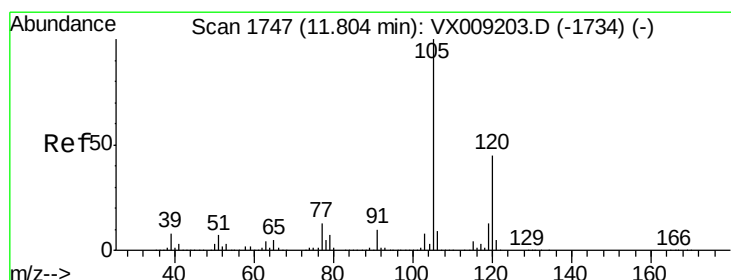
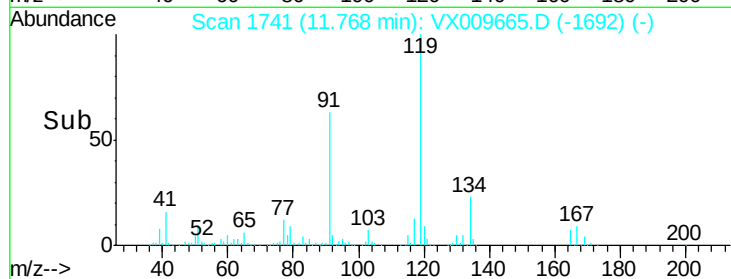
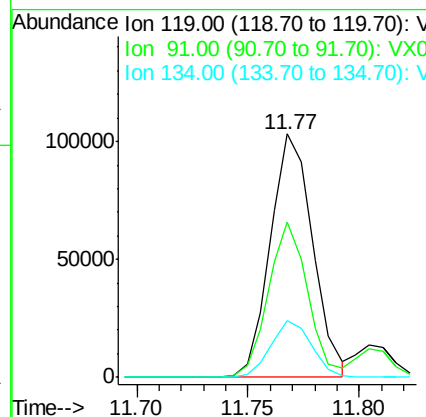
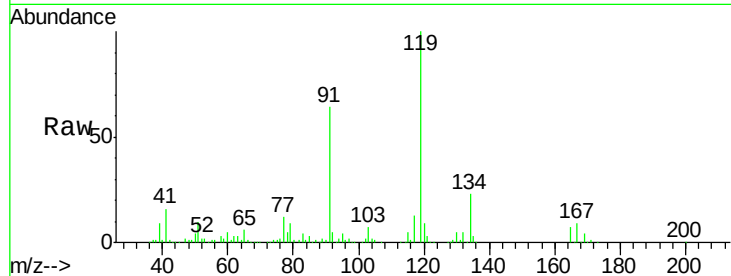
#83
tert-Butylbenzene
Concen: 21.077 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Instrument :
MSVOA_X
ClientSampled :
VX0517WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	136343		
91	59.4	29.5	88.5	
134	22.6	11.4	34.1	

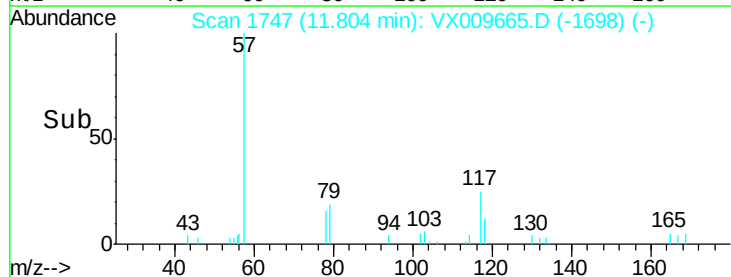
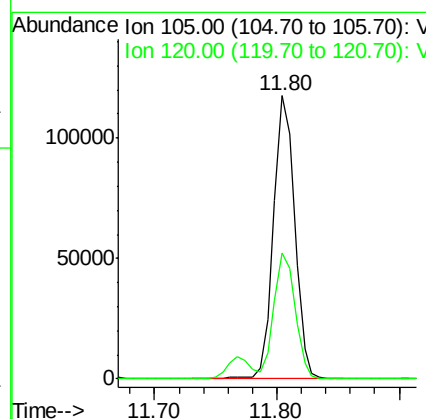
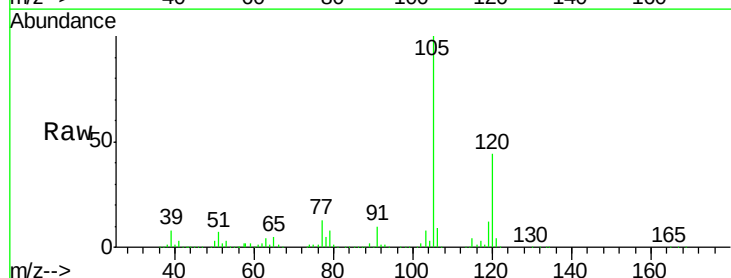
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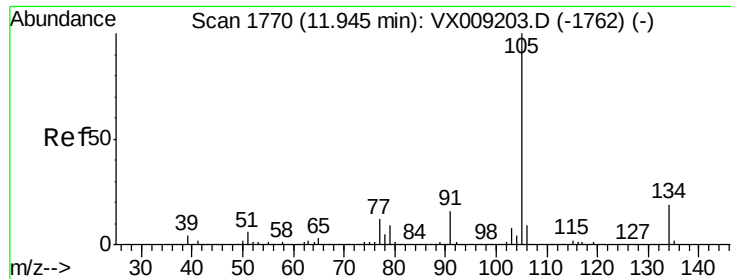
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#84
1,2,4-Trimethylbenzene
Concen: 21.296 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX009665.D
Acq: 17 May 2019 16:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	142138		
120	44.4	22.0	66.0	





#85

sec-Butylbenzene

Concen: 21.438 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBS02

Tot Ion:105 Resp: 164410

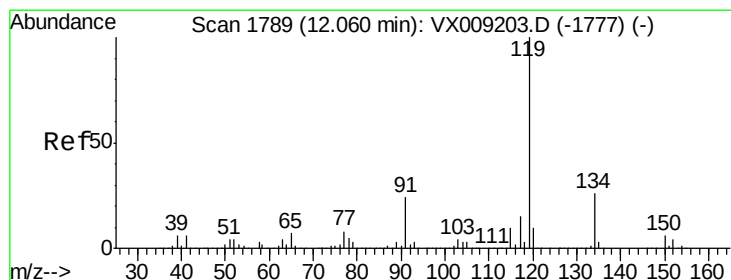
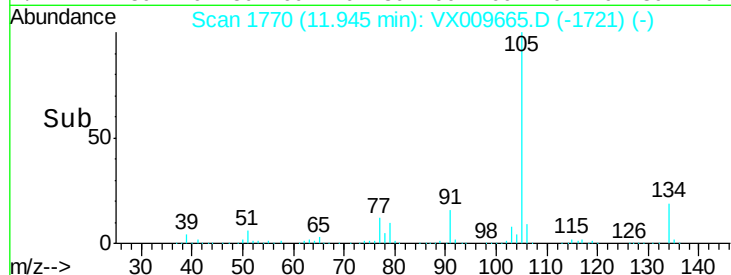
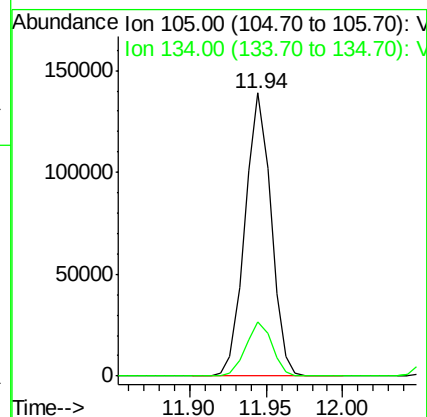
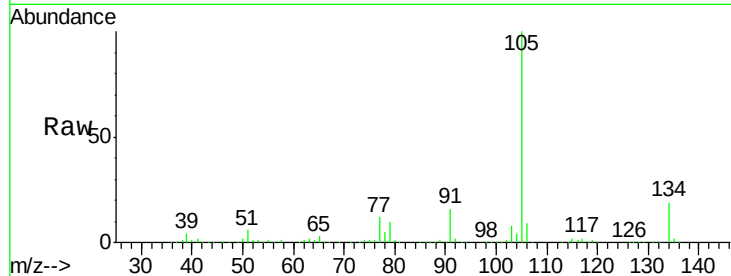
Ion Ratio Lower Upper

105 100

134 19.3 9.7 28.9

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#86

p-Isopropyltoluene

Concen: 21.572 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

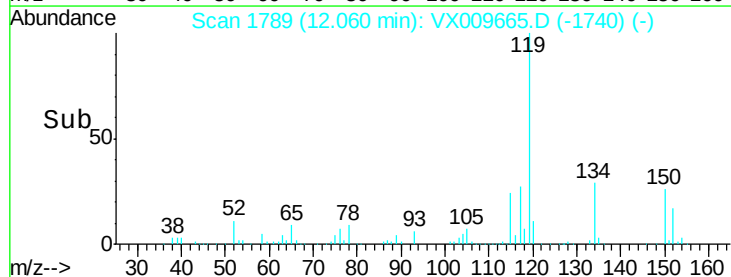
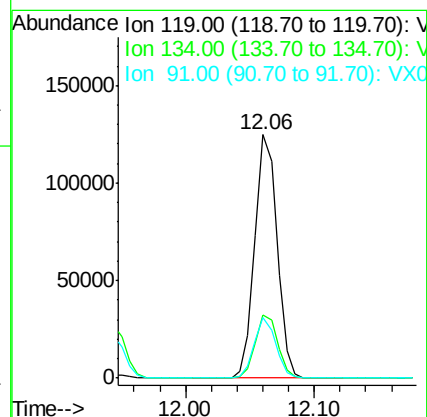
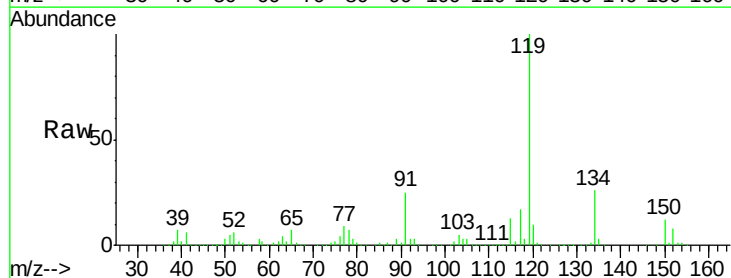
Tgt Ion:119 Resp: 148729

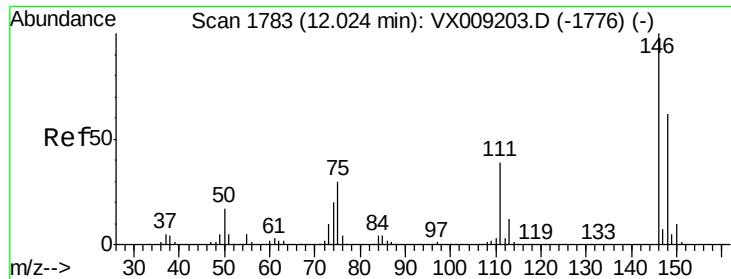
Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.7

91 24.0 11.8 35.4





#87

1,3-Dichlorobenzene

Concen: 21.043 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

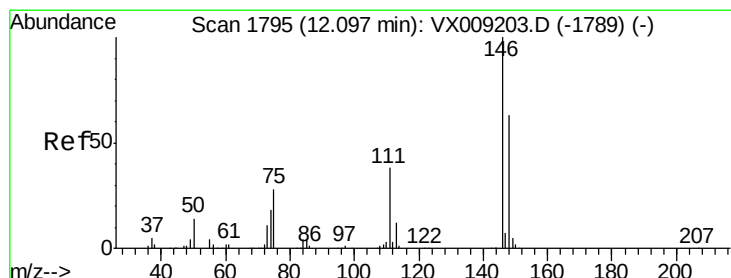
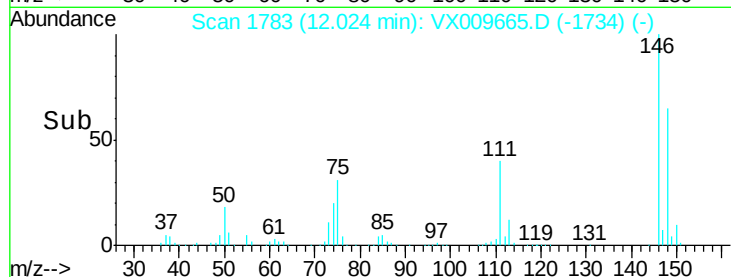
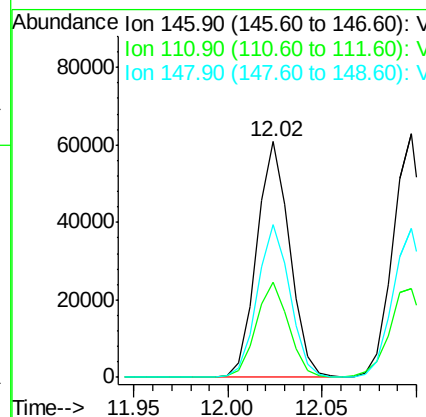
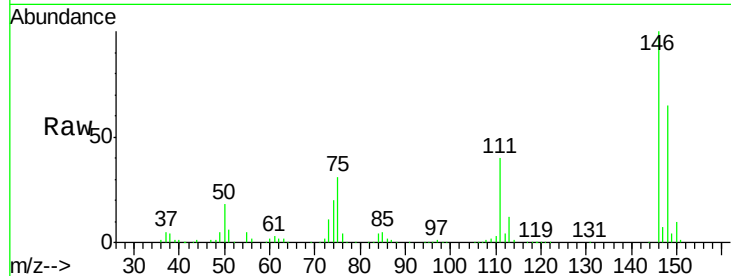
ClientSampleId :

VX0517WBS02

Tot Ion:	146	Resp:	73531
Ion Ratio	Lower	Upper	
146	100		
111	40.0	20.0	59.9
148	64.2	31.8	95.3

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#88

1,4-Dichlorobenzene

Concen: 21.294 ug/l

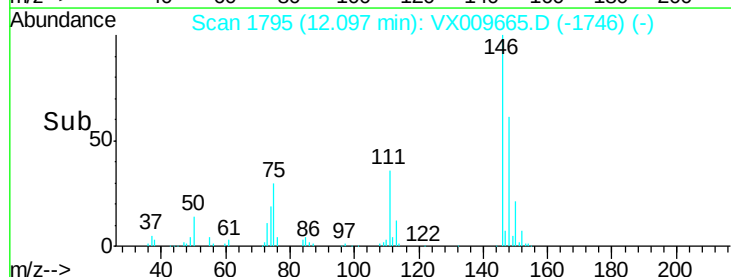
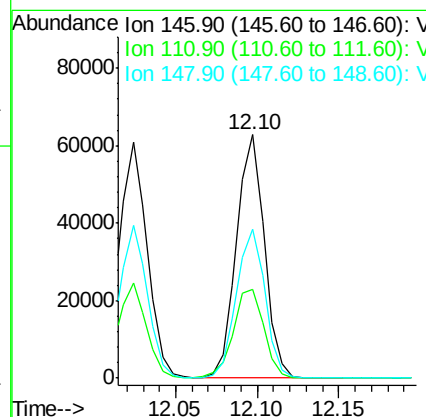
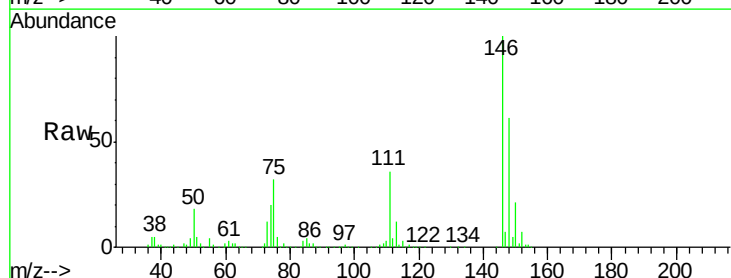
RT: 12.10 min Scan# 1795

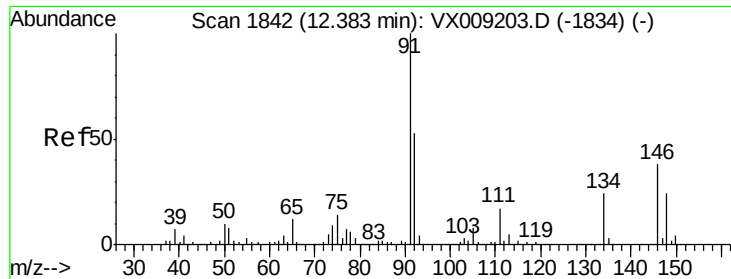
Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Tgt Ion:	146	Resp:	75018
Ion Ratio	Lower	Upper	
146	100		
111	40.1	19.6	58.8
148	63.3	31.8	95.3





#89

n-Butylbenzene

Concen: 21.816 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

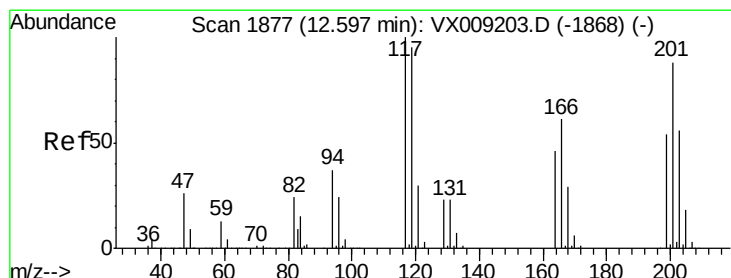
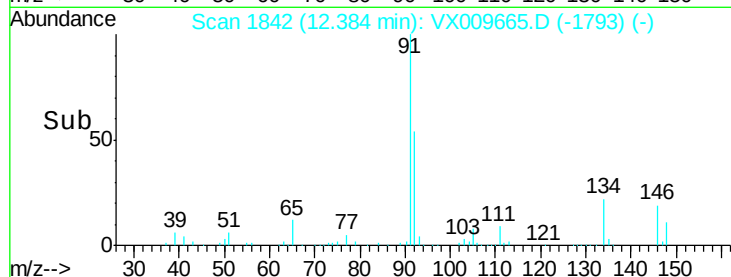
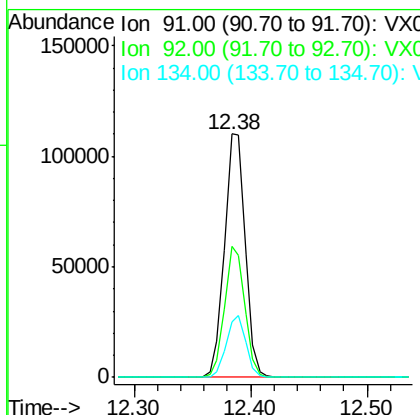
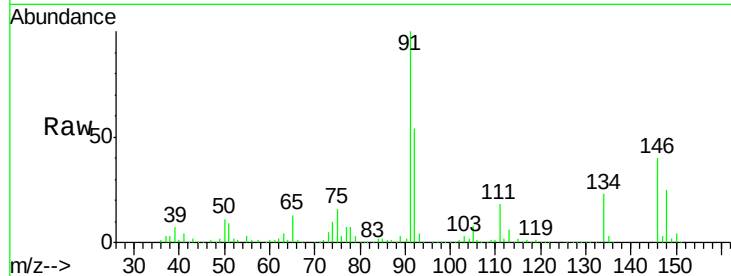
ClientSampleId :

VX0517WBS02

Tot Ion:	91	Resp:	135943
Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.5	79.5
134	24.2	12.4	37.2

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#90

Hexachloroethane

Concen: 20.197 ug/l

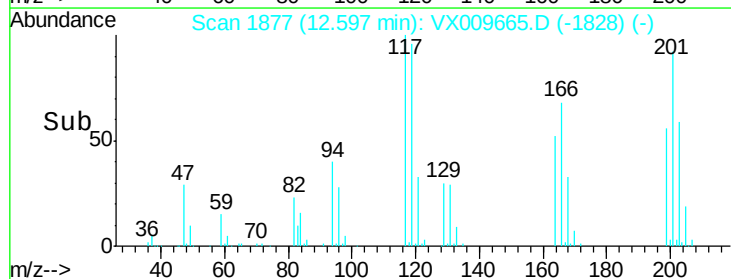
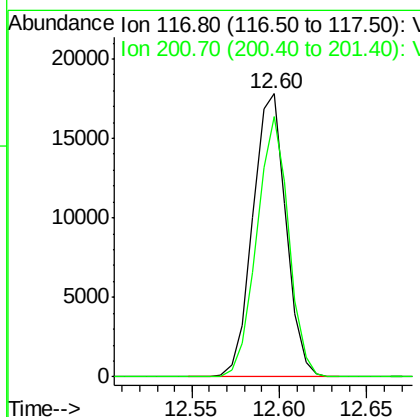
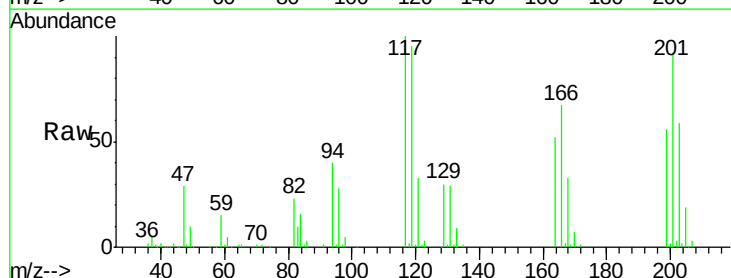
RT: 12.60 min Scan# 1877

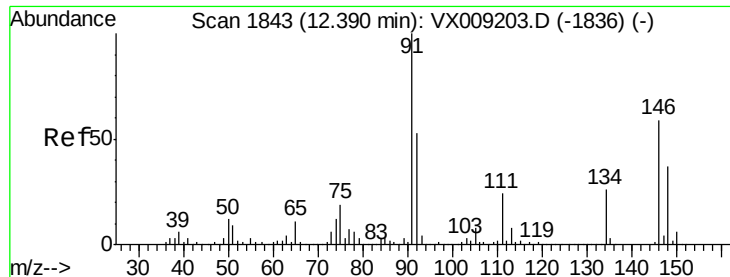
Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Tgt Ion:	117	Resp:	23723
Ion	Ratio	Lower	Upper
117	100		
201	88.1	42.3	126.9





#91

1,2-Dichlorobenzene

Concen: 21.107 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

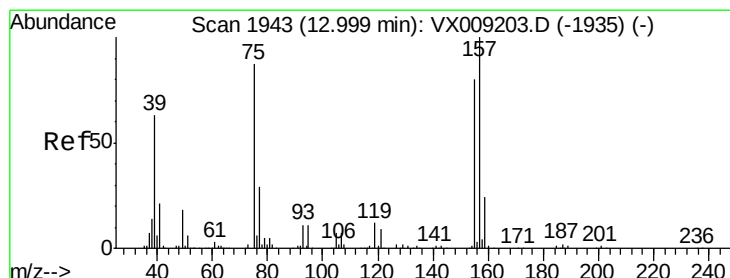
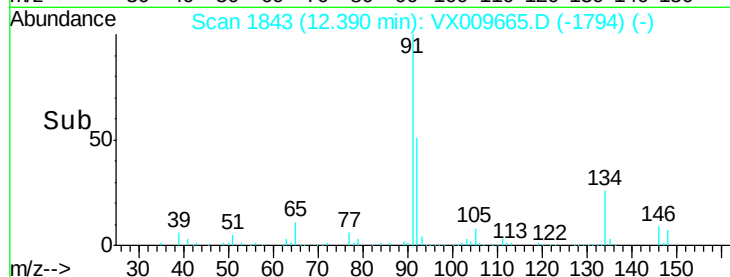
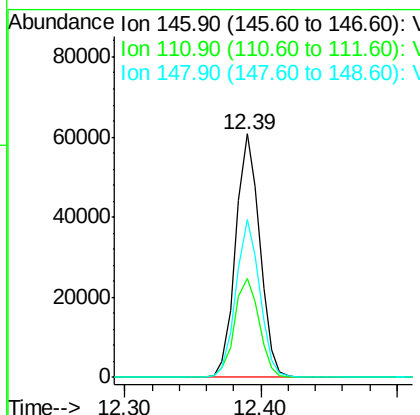
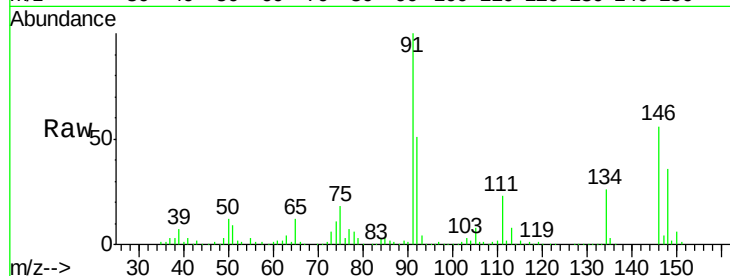
ClientSampleId :

VX0517WBS02

Tot Ion:	146	Resp:	75124
Ion Ratio	Lower	Upper	
146	100		
111	41.5	20.8	62.4
148	63.9	31.9	95.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 22.033 ug/l

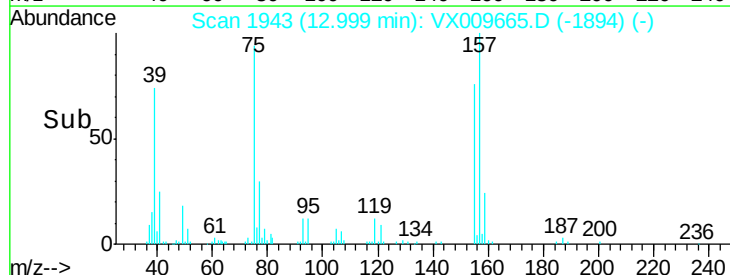
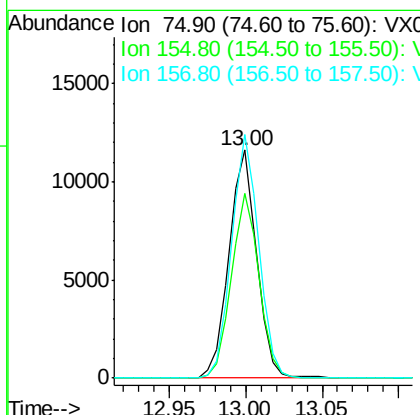
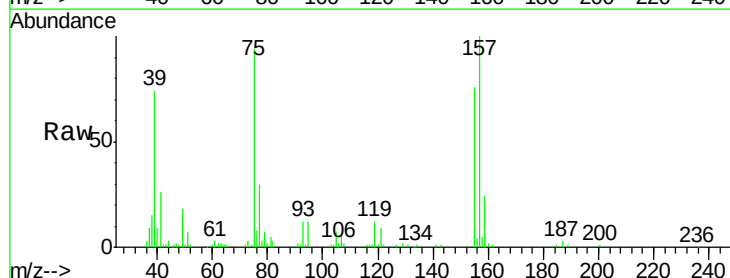
RT: 13.00 min Scan# 1943

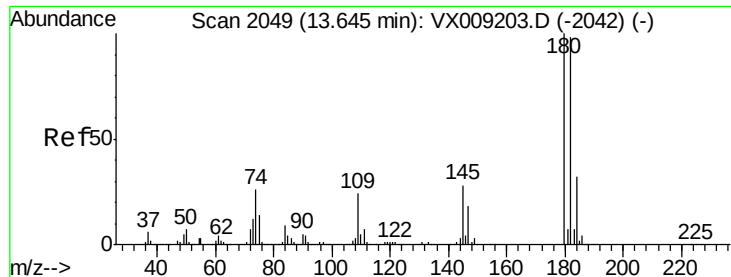
Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Tgt Ion:	75	Resp:	14551
Ion Ratio	Lower	Upper	
75	100		
155	80.9	42.0	126.0
157	104.0	53.2	159.6





#93

1,2,4-Trichlorobenzene

Concen: 22.014 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

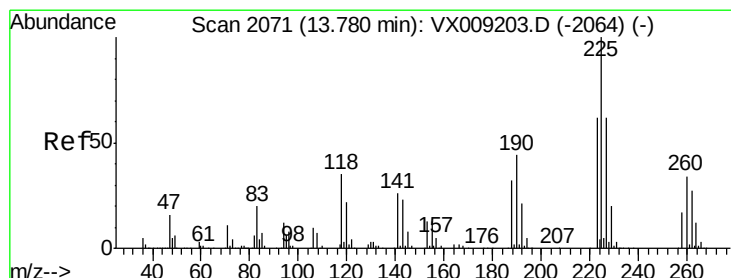
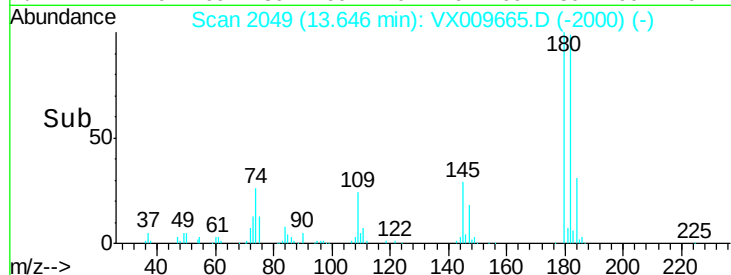
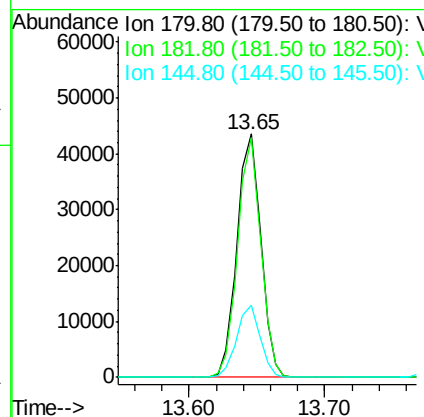
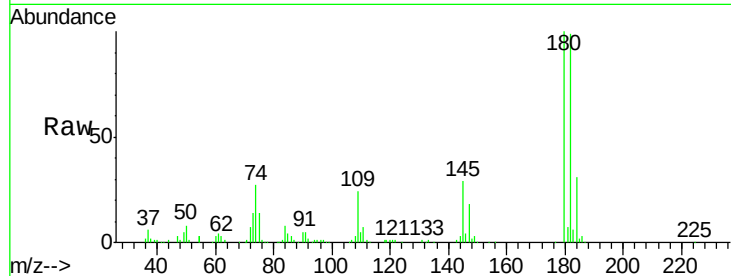
ClientSampled :

VX0517WBS02

Tot Ion:	180	Resp:	53579
Ion Ratio	Lower	Upper	
180	100		
182	95.5	48.4	145.2
145	29.1	14.6	43.8

Manual Integrations
APPROVED

MMDadoda
5/20/2019 11:12:06 AM



#94

Hexachlorobutadiene

Concen: 22.623 ug/l

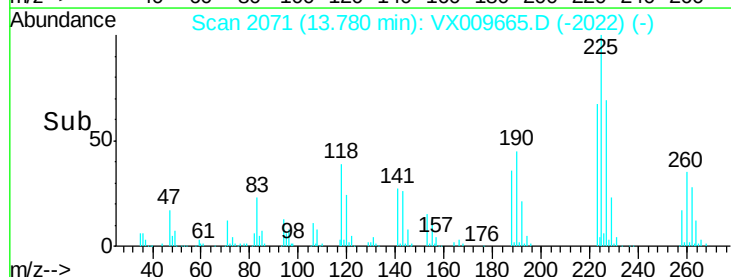
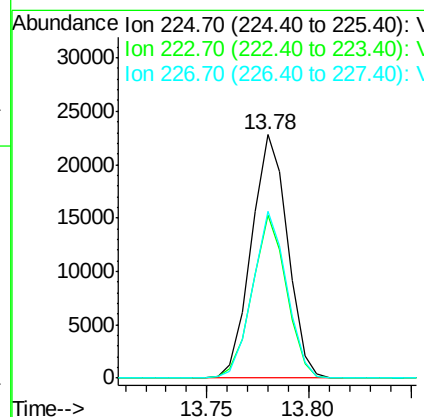
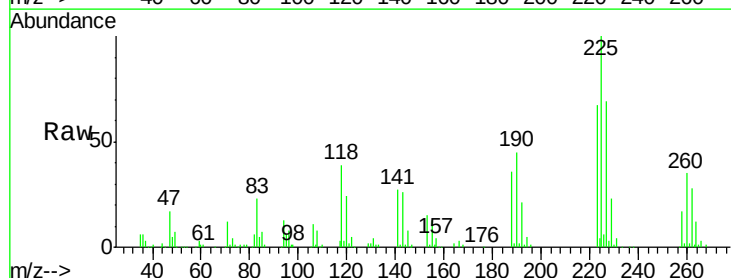
RT: 13.78 min Scan# 2071

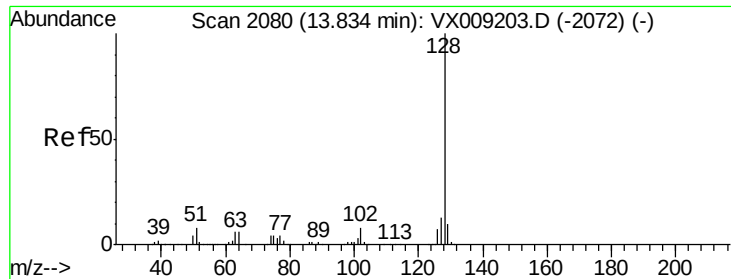
Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Tgt Ion:	225	Resp:	28118
Ion Ratio	Lower	Upper	
225	100		
223	63.4	31.3	93.8
227	64.6	31.8	95.3





#95

Naphthalene

Concen: 21.677 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Instrument :

MSVOA_X

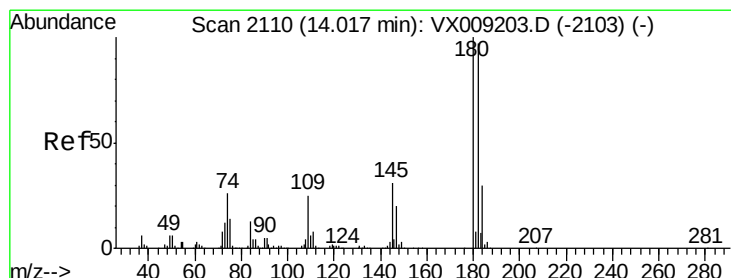
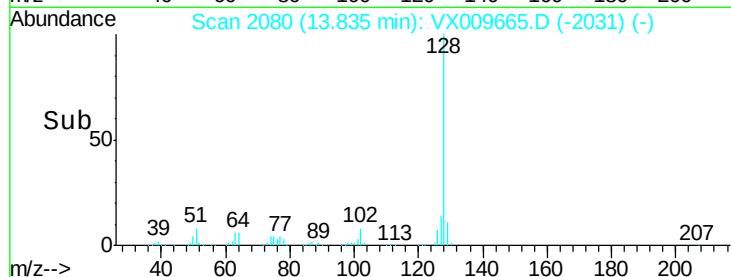
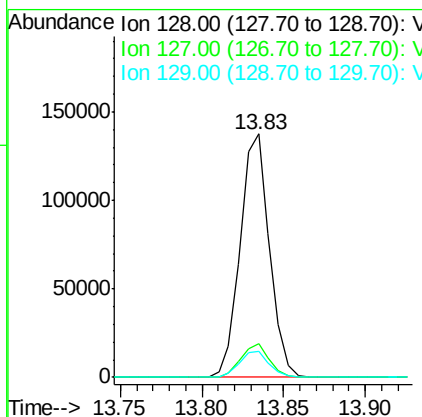
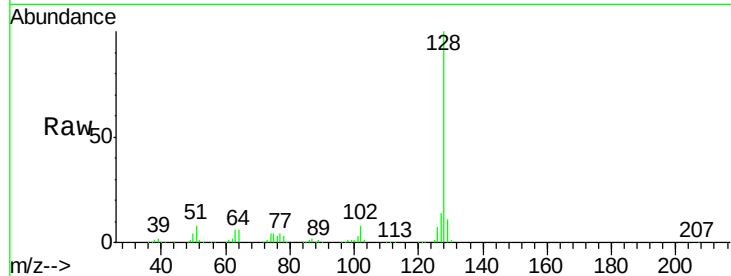
ClientSampleId :

VX0517WBS02

Tot Ion:	128	Resp:	171643
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/20/2019 11:12:06 AM



#96

1,2,3-Trichlorobenzene

Concen: 21.856 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX009665.D

Acq: 17 May 2019 16:34

Tgt Ion:	180	Resp:	53921
Ion Ratio	Lower	Upper	
180	100		
182	96.6	47.8	143.4
145	31.2	15.4	46.4

