

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX103018\
 Data File : VX005690.D
 Acq On : 30 Oct 2018 14:34
 Operator : JC/MD
 Sample : VX1030WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1030WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/31/2018 11:07:12 AM

Quant Time: Oct 30 16:50:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	233714	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.87	114	313950	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	280811	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	155585	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	121147	42.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.92%	
35) Dibromofluoromethane	5.51	113	99670	46.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.78%	
50) Toluene-d8	8.71	98	351526	46.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.04%	
62) 4-Bromofluorobenzene	11.14	95	127619	44.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	52704	22.85	ug/l	93
3) Chloromethane	1.32	50	56737	19.31	ug/l	92
4) Vinyl Chloride	1.40	62	55111	19.08	ug/l	98
5) Bromomethane	1.64	94	29934	16.65	ug/l	98
6) Chloroethane	1.72	64	33079	17.93	ug/l	97
7) Trichlorofluoromethane	1.93	101	73314	18.27	ug/l	96
8) Diethyl Ether	2.19	74	30403	18.98	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	41964	18.22	ug/l	98
10) Methyl Iodide	2.51	142	41359	18.98	ug/l	98
11) Tert butyl alcohol	3.07	59	72152	93.98	ug/l	100
12) 1,1-Dichloroethene	2.37	96	39501	18.01	ug/l	98
13) Acrolein	2.29	56	35454	90.53	ug/l	92
14) Allyl chloride	2.73	41	87259	17.82	ug/l	97
15) Acrylonitrile	3.15	53	163747	95.12	ug/l	98
16) Acetone	2.45	43	146531	97.20	ug/l	99
17) Carbon Disulfide	2.57	76	117456	17.56	ug/l	99
18) Methyl Acetate	2.78	43	78187	20.12	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	146874	18.77	ug/l	94
20) Methylene Chloride	2.86	84	46687	18.49	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	42784	17.86	ug/l	88
22) Diisopropyl ether	3.87	45	160375	18.76	ug/l	# 95
23) Vinyl Acetate	3.82	43	706186	93.78	ug/l	99
24) 1,1-Dichloroethane	3.70	63	84404	18.16	ug/l	99
25) 2-Butanone	4.70	43	213454	92.98	ug/l	95
26) 2,2-Dichloropropane	4.59	77	64462	17.96	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	47079	18.23	ug/l	97
28) Bromochloromethane	5.02	49	38940	17.32	ug/l	96
29) Tetrahydrofuran	5.15	42	147737	98.89	ug/l	97
30) Chloroform	5.21	83	83727	19.25	ug/l	96
31) Cyclohexane	5.59	56	72164	18.76	ug/l	91
32) 1,1,1-Trichloroethane	5.49	97	70314	18.32	ug/l	99
36) 1,1-Dichloropropene	5.80	75	63060	20.70	ug/l	97
37) Ethyl Acetate	4.85	43	78245	20.13	ug/l	99
38) Carbon Tetrachloride	5.78	117	60143	18.74	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	66089	19.64	ug/l	99
40) Benzene	6.15	78	177987	20.38	ug/l	100
41) Methacrylonitrile	5.06	41	42842	19.78	ug/l	99
42) 1,2-Dichloroethane	6.20	62	64804	19.53	ug/l	100
43) Isopropyl Acetate	6.46	43	117061	20.09	ug/l	100
44) Trichloroethene	7.21	130	47894	20.13	ug/l	90
45) 1,2-Dichloropropane	7.52	63	45401	19.34	ug/l	96
46) Dibromomethane	7.66	93	28981	19.11	ug/l	98
47) Bromodichloromethane	7.90	83	55772	18.95	ug/l	97
48) Methyl methacrylate	7.77	41	54848	19.32	ug/l	98
49) 1,4-Dioxane	7.75	88	24737	398.82	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	376051	96.04	ug/l	100
52) Toluene	8.79	92	102358	19.28	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	59684	18.76	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	66232	19.34	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	43350	19.37	ug/l	96
56) Ethyl methacrylate	9.18	69	63450	19.01	ug/l	99
57) 1,3-Dichloropropane	9.37	76	71392	18.85	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	172472	92.51	ug/l	99
59) 2-Hexanone	9.49	43	295741	95.80	ug/l	99
60) Dibromochloromethane	9.58	129	43994	18.84	ug/l	99
61) 1,2-Dibromoethane	9.67	107	46055	19.89	ug/l	99
64) Tetrachloroethene	9.33	164	46935	20.13	ug/l	98
65) Chlorobenzene	10.14	112	117066	19.58	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	42964	19.70	ug/l	99
67) Ethyl Benzene	10.25	91	195656	19.89	ug/l	100
68) m/p-Xylenes	10.36	106	151455	39.68	ug/l	99
69) o-Xylene	10.70	106	71822	20.00	ug/l	99
70) Styrene	10.71	104	120181	19.99	ug/l	100
71) Bromoform	10.86	173	36477	18.75	ug/l #	99
73) Isopropylbenzene	11.02	105	200822	21.12	ug/l	100
74) N-amyl acetate	10.90	43	92339	19.59	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	69107	19.70	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	65669m	19.92	ug/l	
77) Bromobenzene	11.26	156	54972	20.74	ug/l	96
78) n-propylbenzene	11.36	91	228462	21.01	ug/l	100
79) 2-Chlorotoluene	11.42	91	137509	20.39	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	170381	20.94	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	20208	20.03	ug/l	97
82) 4-Chlorotoluene	11.51	91	161514	20.31	ug/l	100
83) tert-Butylbenzene	11.77	119	165767	20.44	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	175285	21.26	ug/l	100
85) sec-Butylbenzene	11.94	105	201683	20.84	ug/l	100
86) p-Isopropyltoluene	12.07	119	179355	20.73	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	99223	19.91	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	100873	19.39	ug/l	99
89) n-Butylbenzene	12.39	91	153632	19.67	ug/l	100
90) Hexachloroethane	12.60	117	28810	19.31	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	100014	19.83	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	16490	19.44	ug/l	99

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ClientSampleId :
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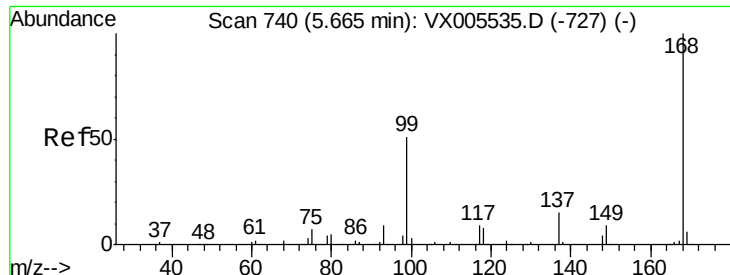
Manual Integrations
APPROVED

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Quant Title : SW846 8260
QLast Update : Thu Oct 25 02:52:45 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	71934	19.68	ug/l	99
94) Hexachlorobutadiene	13.79	225	36769	19.41	ug/l	99
95) Naphthalene	13.83	128	218776	20.59	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	75914	20.49	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX005690.D

Acq: 30 Oct 2018 14:34

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBSD01

Tgt Ion: 168 Resp: 233714

Ion Ratio Lower Upper

168 100

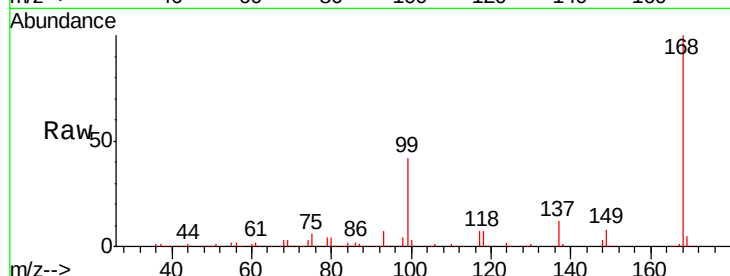
99 41.9 40.7 61.1

Manual Integrations

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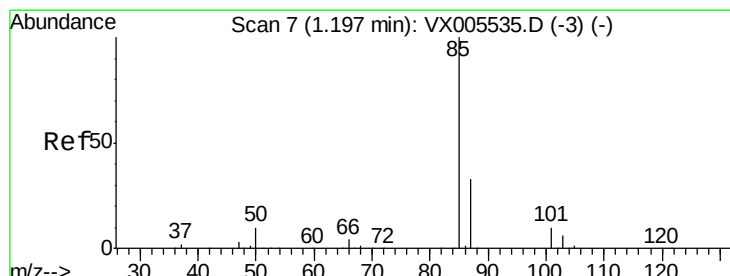
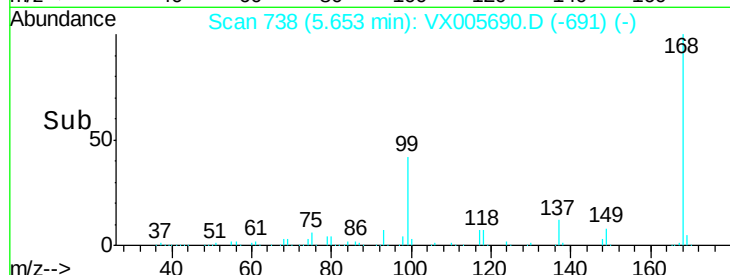
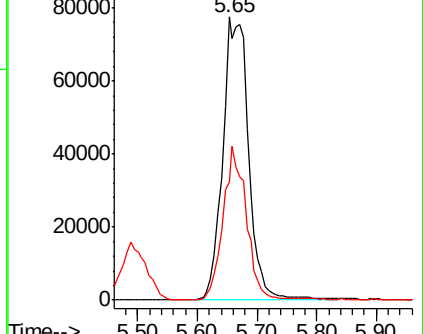
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 22.85 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005690.D

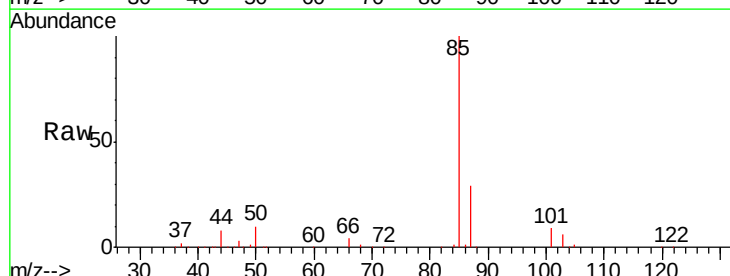
Acq: 30 Oct 2018 14:34

Tgt Ion: 85 Resp: 52704

Ion Ratio Lower Upper

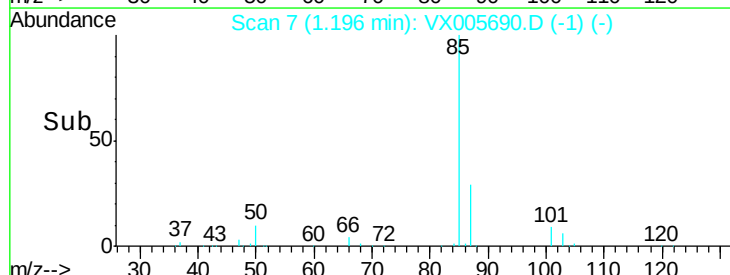
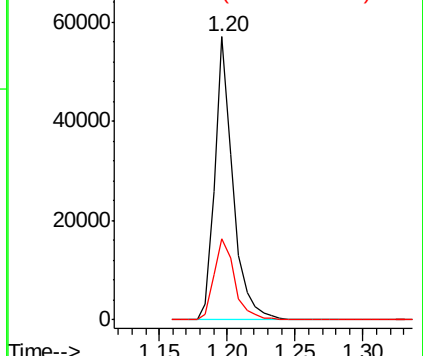
85 100

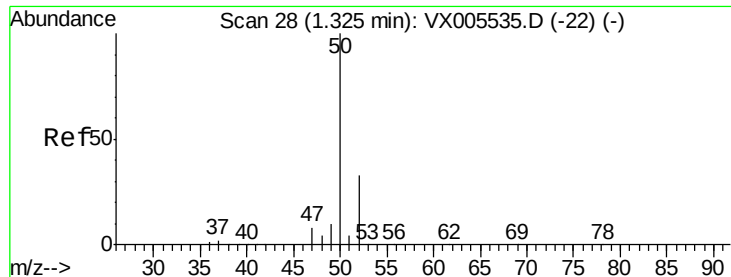
87 28.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 19.31 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005690.D

Acq: 30 Oct 2018 14:34

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBSD01

Tgt Ion: 50 Resp: 56737

Ion Ratio Lower Upper

50 100

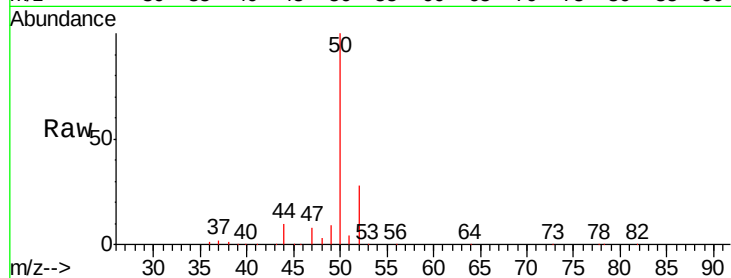
52 28.3 26.2 39.2

Manual Integrations

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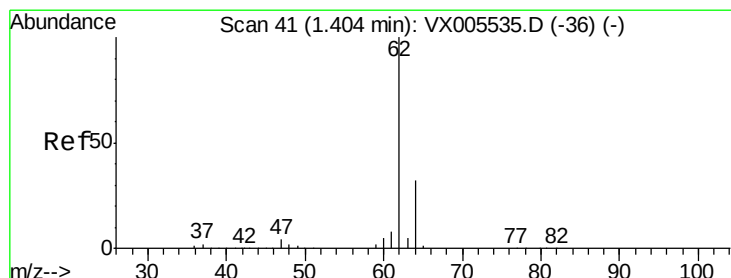
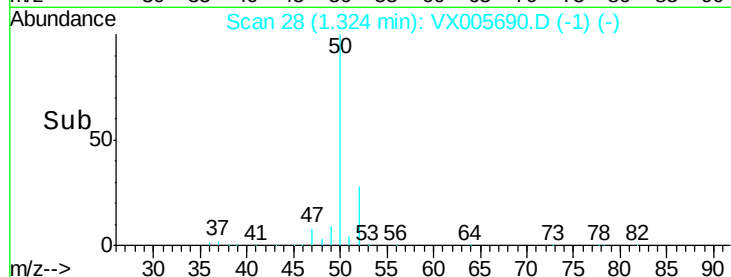
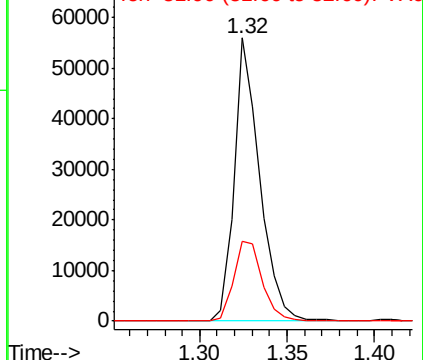
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.08 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005690.D

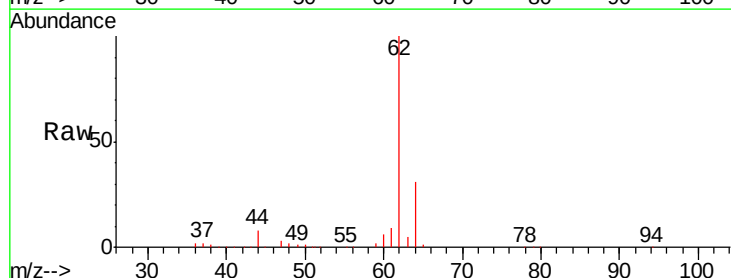
Acq: 30 Oct 2018 14:34

Tgt Ion: 62 Resp: 55111

Ion Ratio Lower Upper

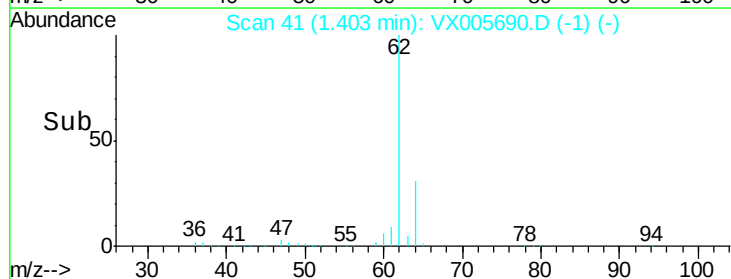
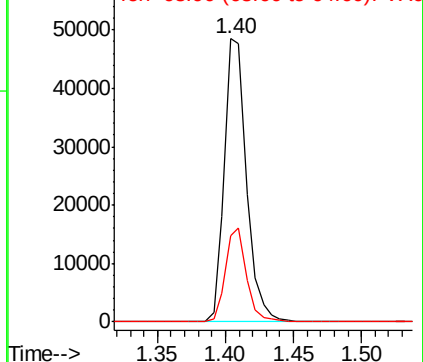
62 100

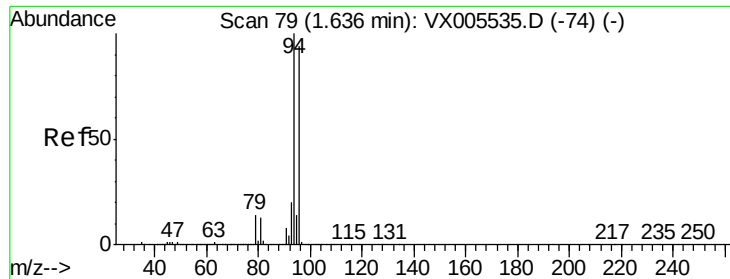
64 30.5 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 16.65 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005690.D

Acq: 30 Oct 2018 14:34

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBSD01

Tgt Ion: 94 Resp: 29934

Ion Ratio Lower Upper

94 100

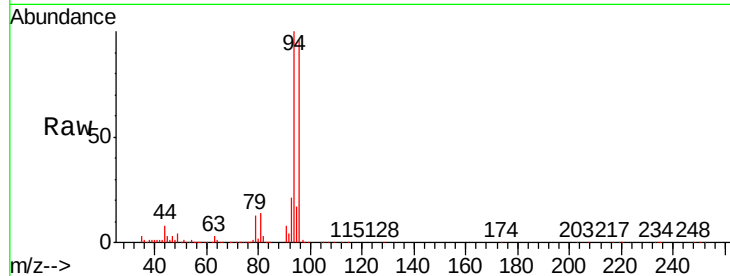
96 95.9 75.2 112.8

Manual Integrations

APPROVED

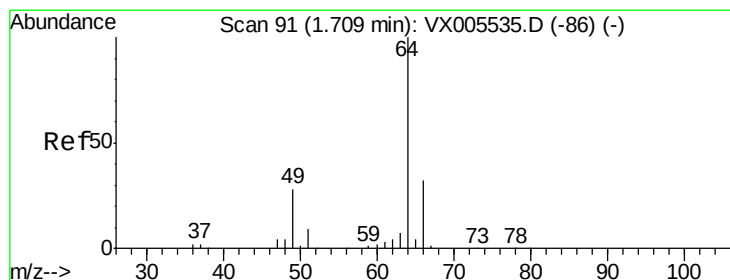
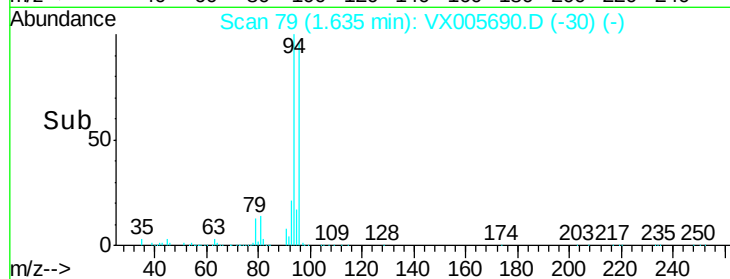
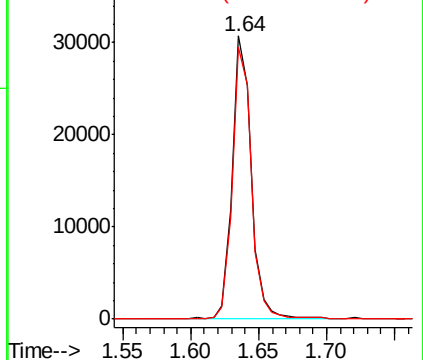
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 17.93 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005690.D

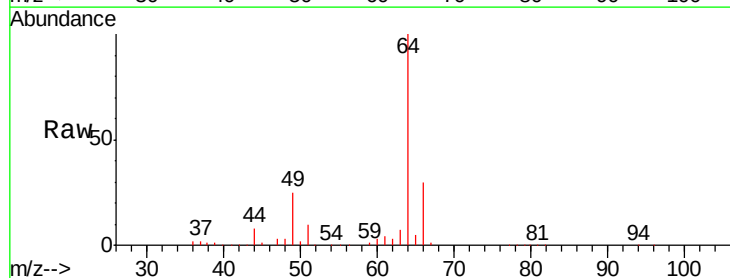
Acq: 30 Oct 2018 14:34

Tgt Ion: 64 Resp: 33079

Ion Ratio Lower Upper

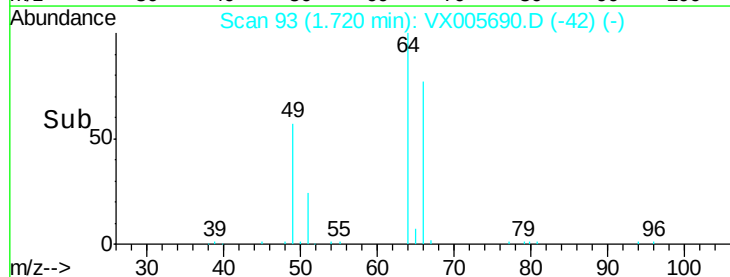
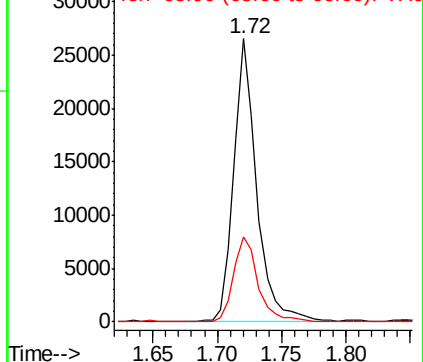
64 100

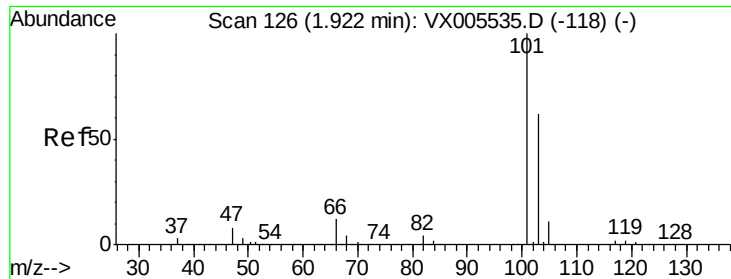
66 30.2 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

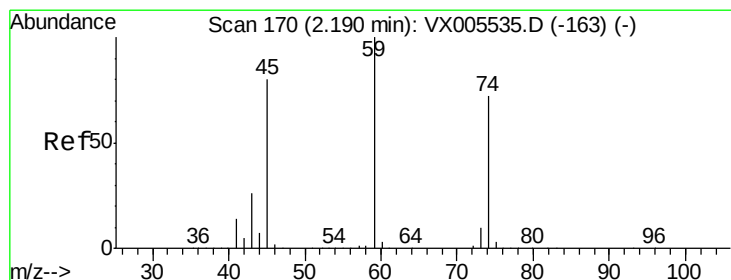
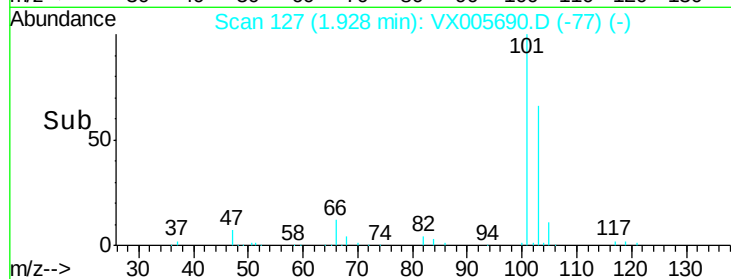
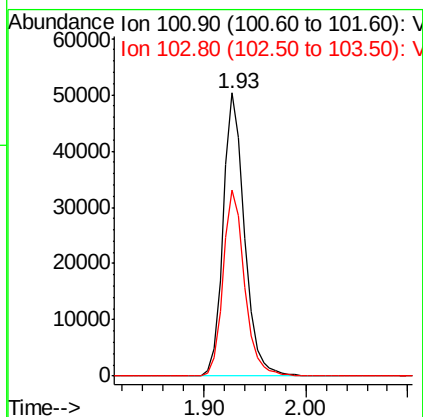
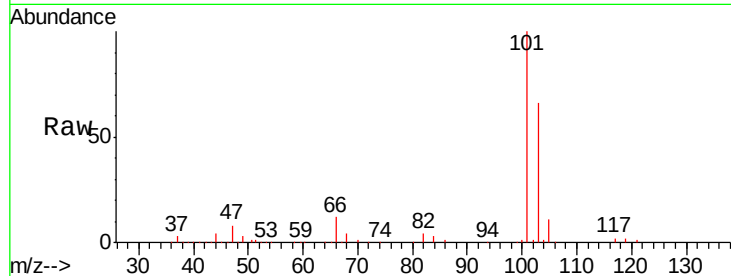
Trichlorofluoromethane
 Concen: 18.27 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX005690.D
 Acq: 30 Oct 2018 14:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1030WBSD01

Tgt Ion: 101 Resp: 73314
 Ion Ratio Lower Upper
 101 100
 103 65.6 50.0 75.0

Manual Integrations
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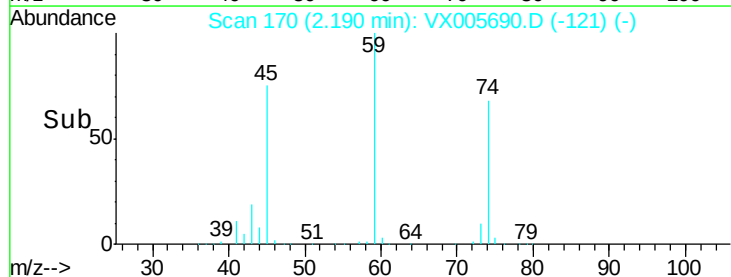
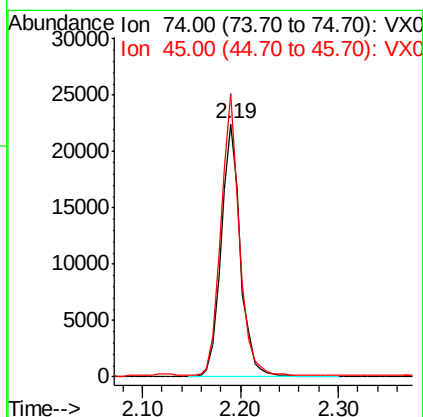
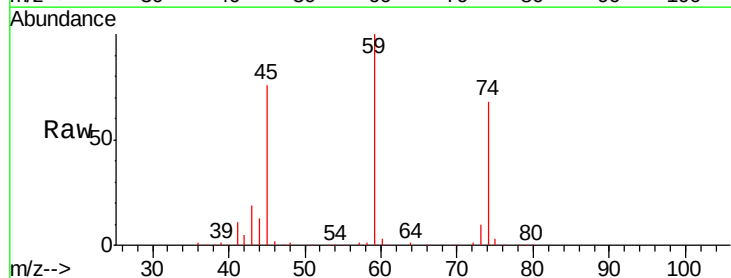
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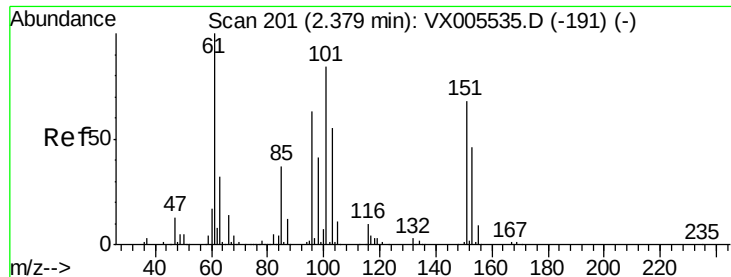


#8

Diethyl Ether
 Concen: 18.98 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX005690.D
 Acq: 30 Oct 2018 14:34

Tgt Ion: 74 Resp: 30403
 Ion Ratio Lower Upper
 74 100
 45 106.4 54.1 162.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.22 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX005690.D

Acq: 30 Oct 2018 14:34

Instrument :

MSVOA_X

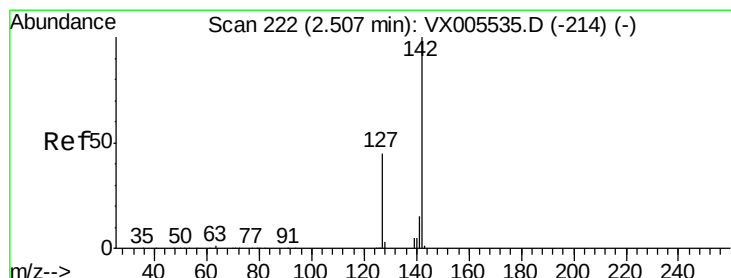
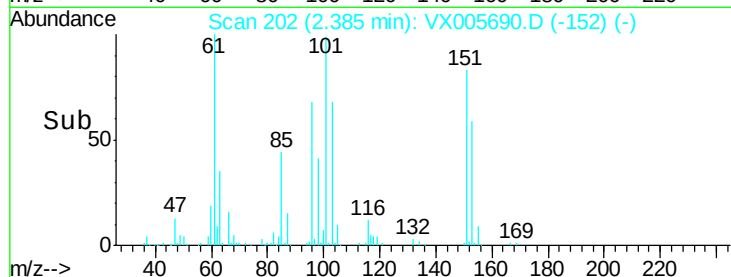
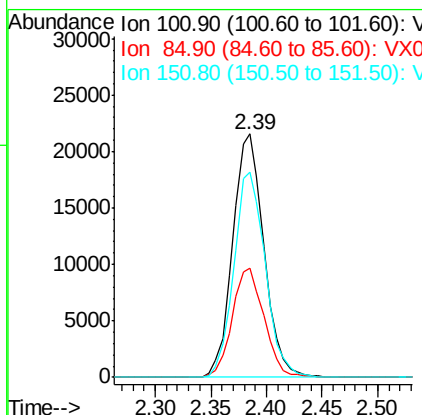
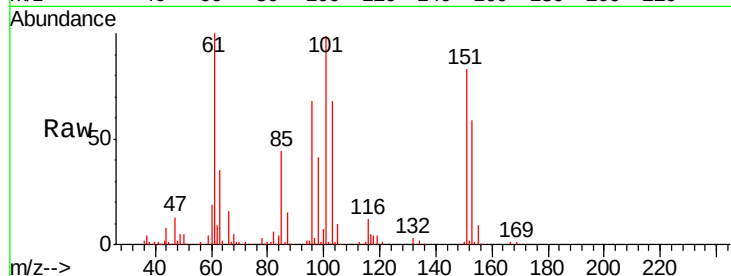
ClientSampleId :

VX1030WBSD01

Tgt Ion:	101	Resp:	41964
Ion Ratio	Lower	Upper	
101	100		
85	45.6	35.0	52.4
151	84.7	66.2	99.2

Manual Integrations
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#10

Methyl Iodide

Concen: 18.98 ug/l

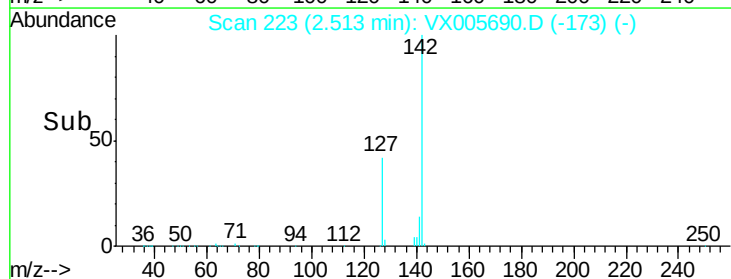
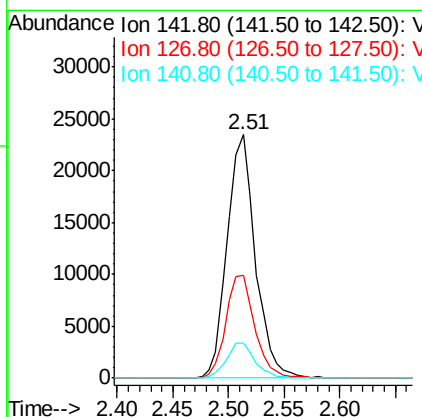
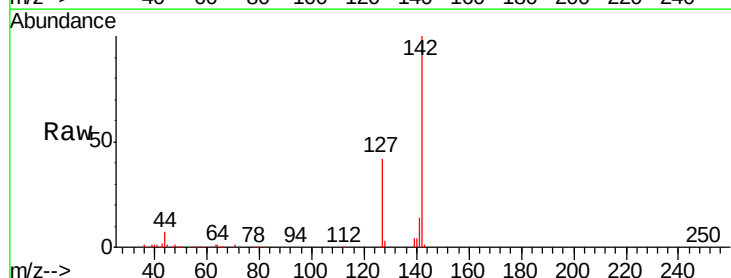
RT: 2.51 min Scan# 223

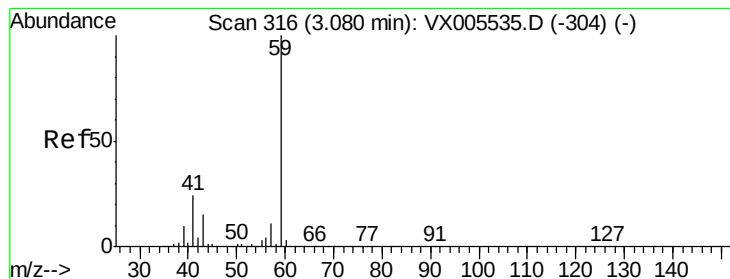
Delta R.T. 0.01 min

Lab File: VX005690.D

Acq: 30 Oct 2018 14:34

Tgt Ion:	142	Resp:	41359
Ion Ratio	Lower	Upper	
142	100		
127	43.1	36.0	54.0
141	14.7	11.7	17.5





#11

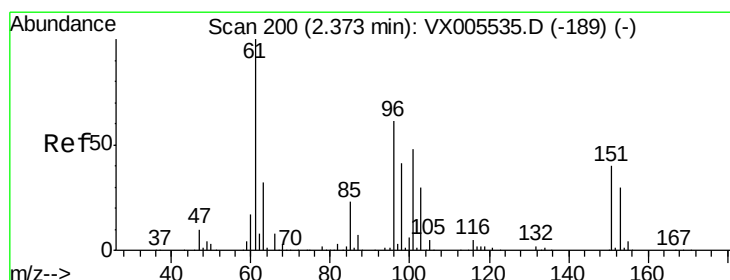
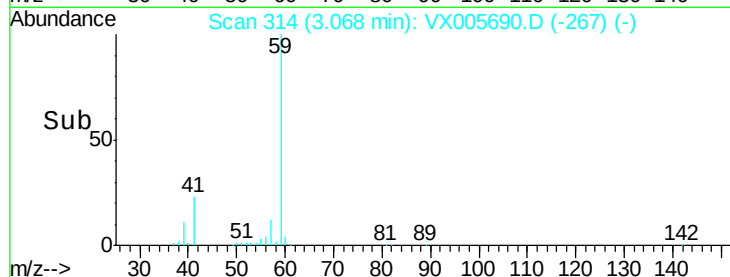
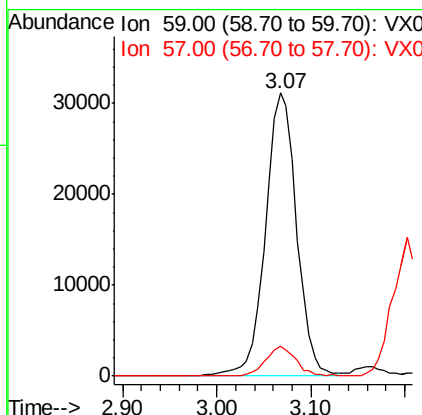
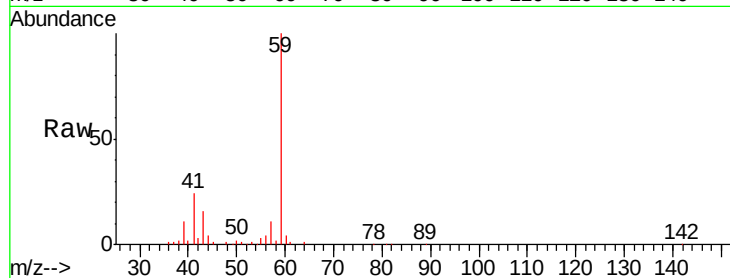
Tert butyl alcohol
Concen: 93.98 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX005690.D
Acq: 30 Oct 2018 14:34

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBSD01

Tgt Ion: 59 Resp: 72152
Ion Ratio Lower Upper
59 100
57 10.5 8.5 12.7

Manual Integrations
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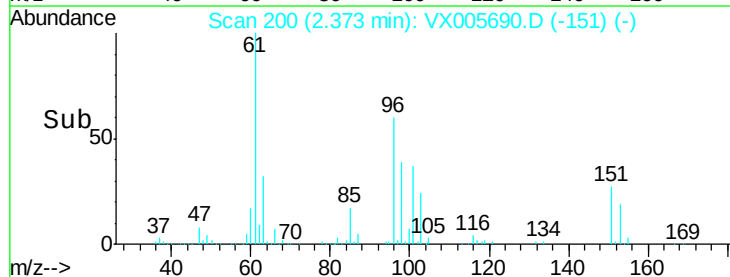
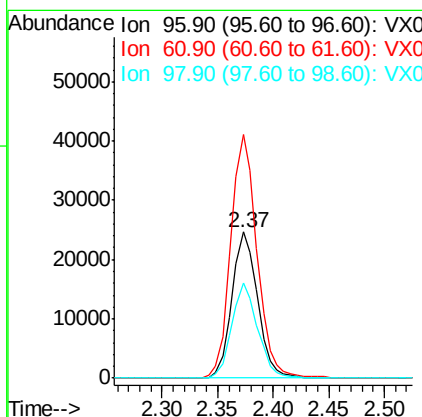
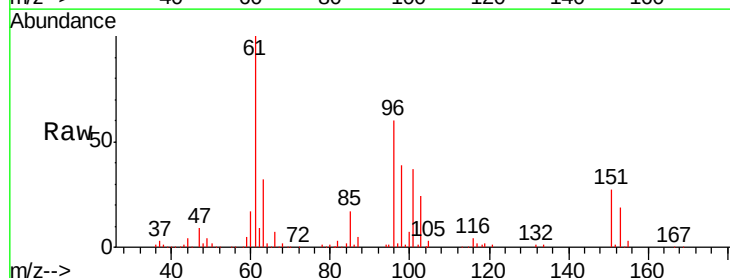
MMDadoda
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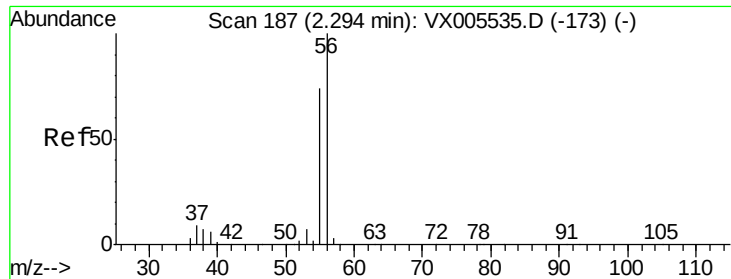


#12

1,1-Dichloroethene
Concen: 18.01 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005690.D
Acq: 30 Oct 2018 14:34

Tgt Ion: 96 Resp: 39501
Ion Ratio Lower Upper
96 100
61 166.3 131.8 197.8
98 64.7 53.4 80.2





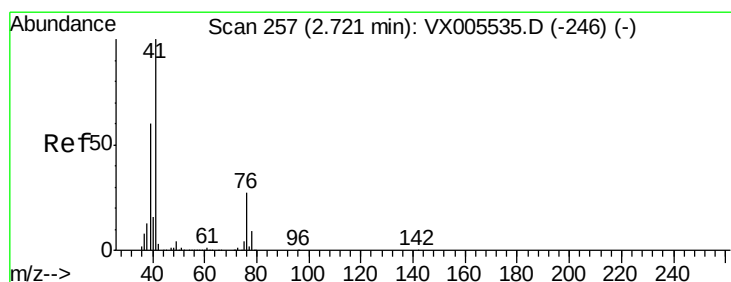
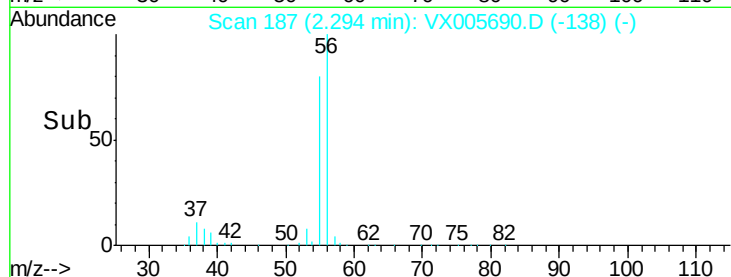
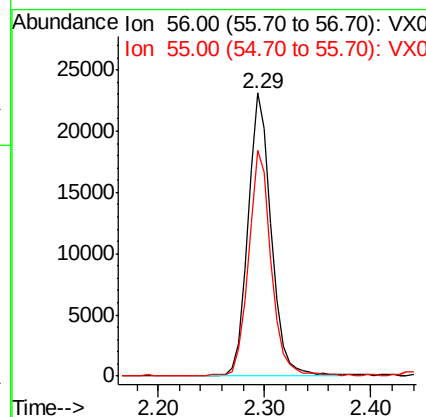
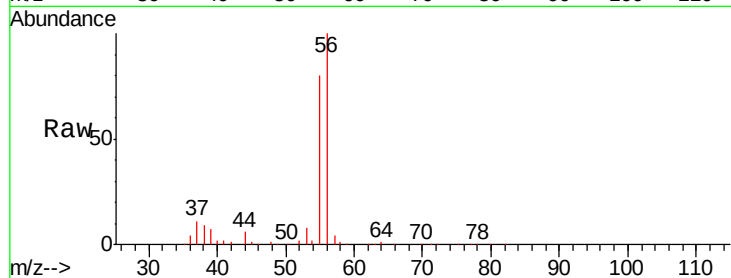
#13
Acrolein
Concen: 90.53 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX005690.D
Acq: 30 Oct 2018 14:34

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBSD01

Tgt Ion	Ratio	Lower	Upper
56	100		
55	78.1	57.3	85.9

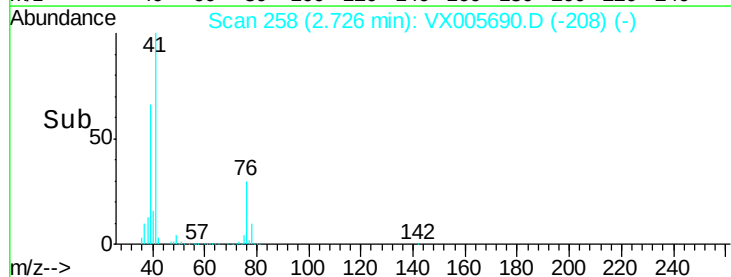
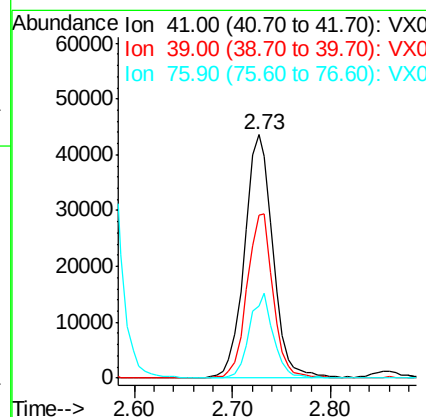
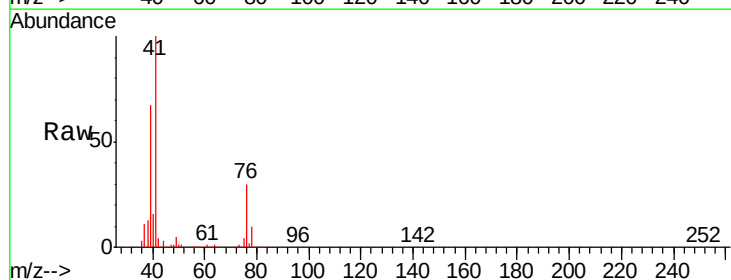
Manual Integrations
APPROVED

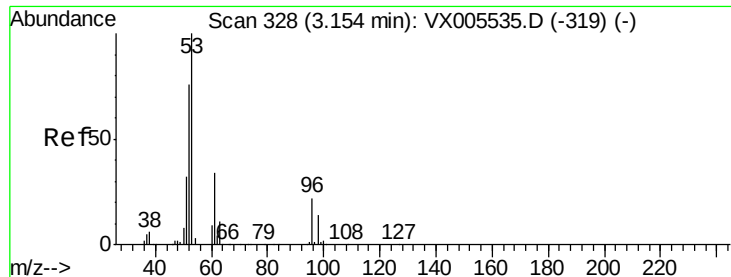
MMDadoda
10/31/2018 11:07:12 AM



#14
Allyl chloride
Concen: 17.82 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.01 min
Lab File: VX005690.D
Acq: 30 Oct 2018 14:34

Tgt Ion	Ratio	Lower	Upper
41	100		
39	61.9	48.2	72.4
76	29.6	21.9	32.9





#15

Acrylonitrile

Concen: 95.12 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX005690.D

Acq: 30 Oct 2018 14:34

Instrument :

MSVOA_X

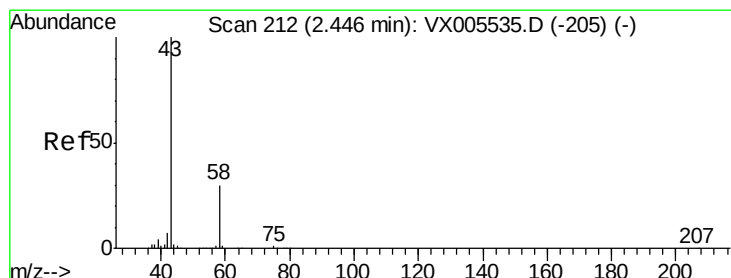
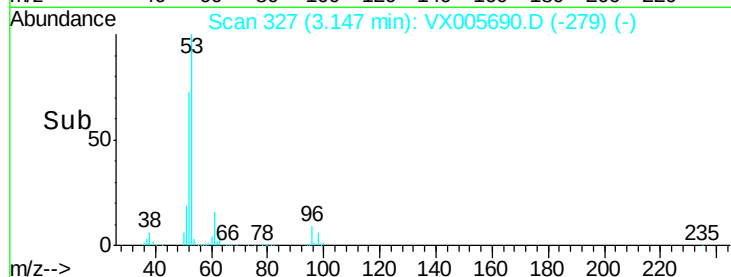
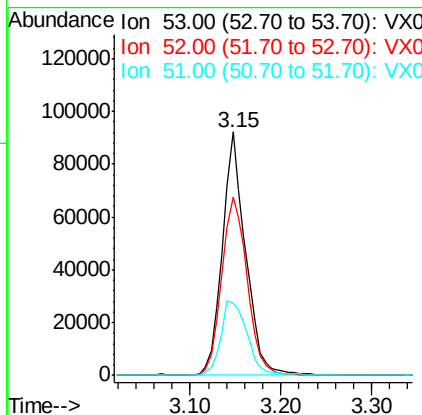
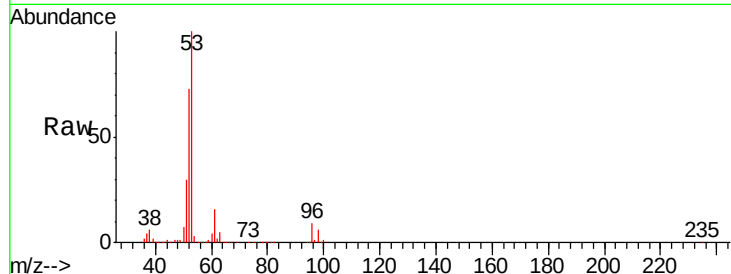
ClientSampleId :

VX1030WBSD01

Tgt Ion:	53	Resp:	163747
Ion	Ratio	Lower	Upper
53	100		
52	81.1	66.6	99.8
51	34.9	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 97.20 ug/l

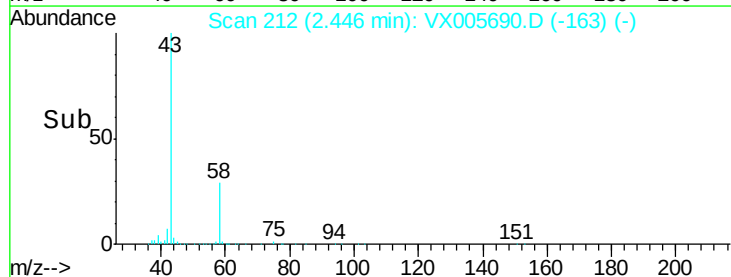
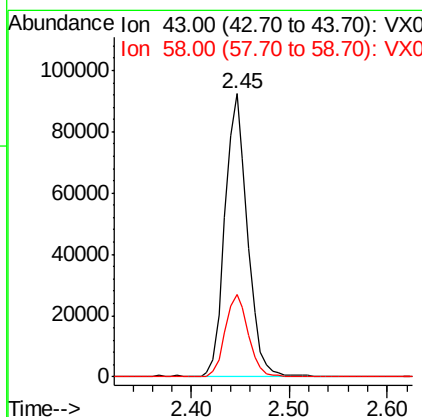
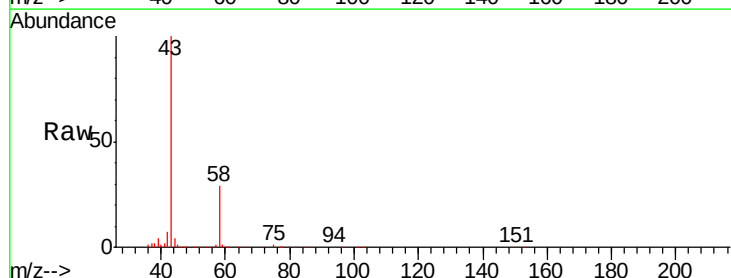
RT: 2.45 min Scan# 212

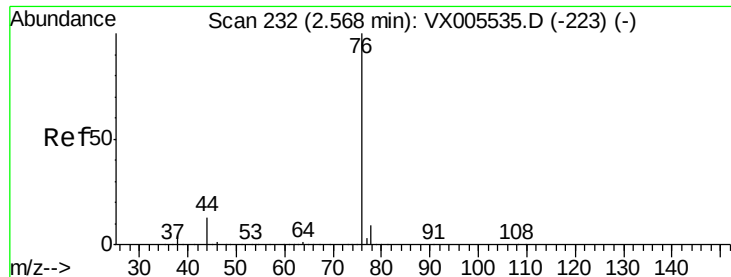
Delta R.T. -0.00 min

Lab File: VX005690.D

Acq: 30 Oct 2018 14:34

Tgt Ion:	43	Resp:	146531
Ion	Ratio	Lower	Upper
43	100		
58	29.2	23.8	35.6





#17

Carbon Disulfide

Concen: 17.56 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005690.D

Acq: 30 Oct 2018 14:34

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBSD01

Tgt Ion: 76 Resp: 117456

Ion Ratio Lower Upper

76 100

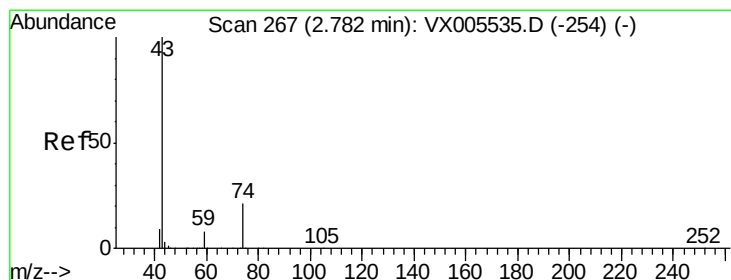
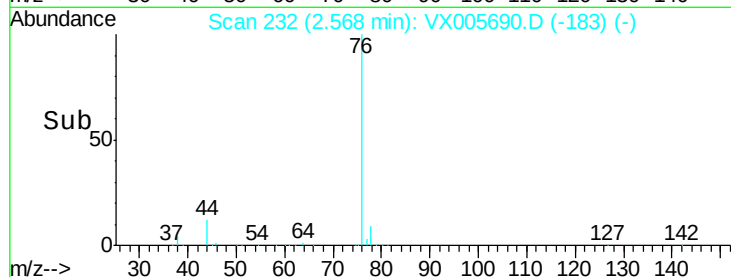
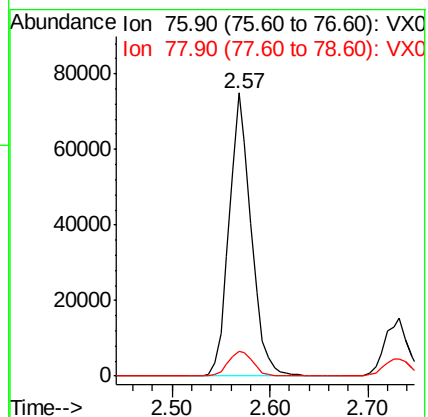
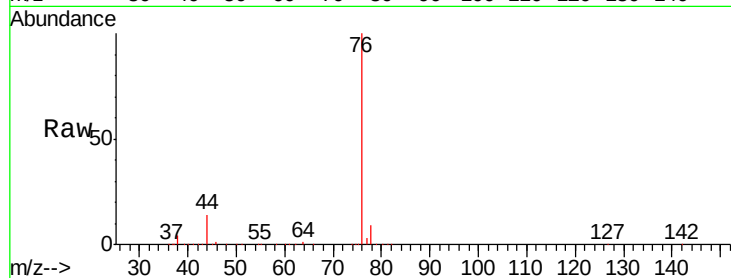
78 8.6 7.3 10.9

Manual Integrations

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#18

Methyl Acetate

Concen: 20.12 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005690.D

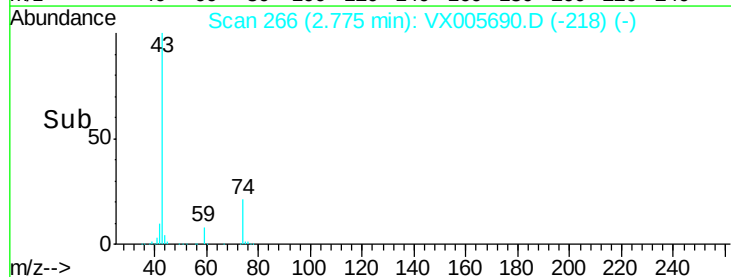
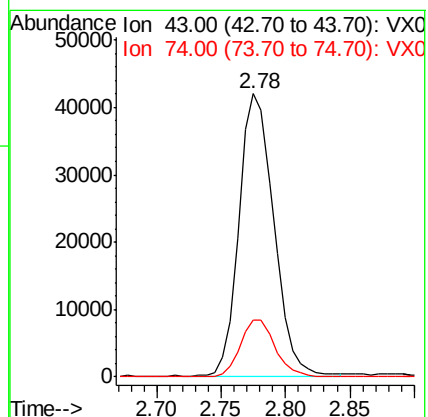
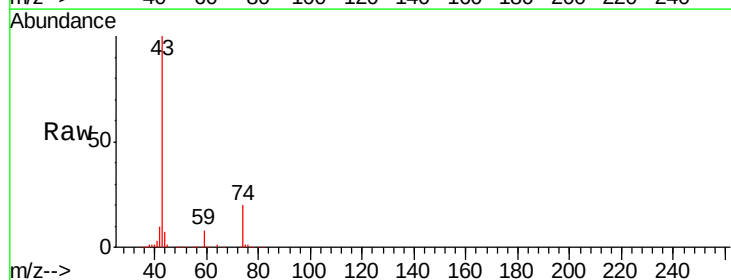
Acq: 30 Oct 2018 14:34

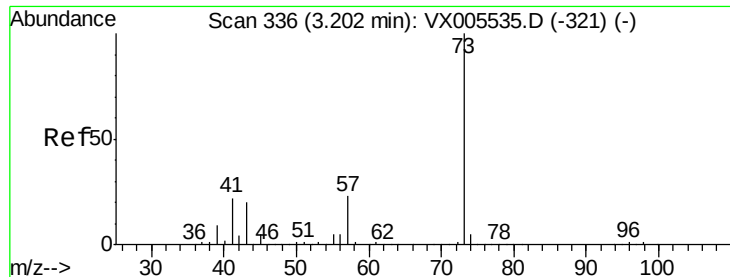
Tgt Ion: 43 Resp: 78187

Ion Ratio Lower Upper

43 100

74 20.6 16.8 25.2





#19

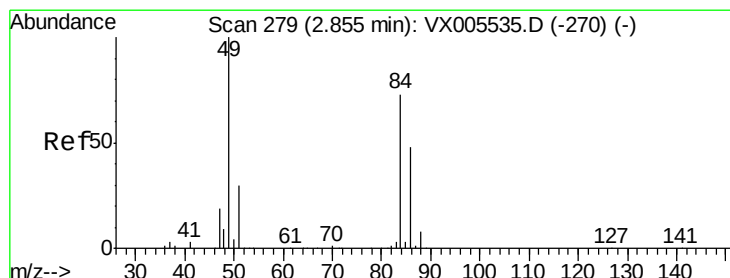
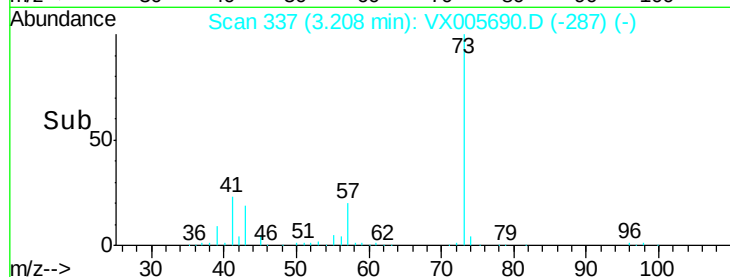
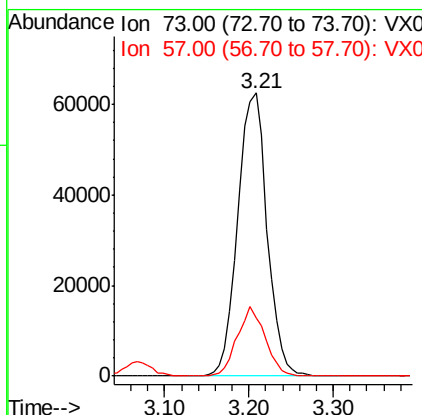
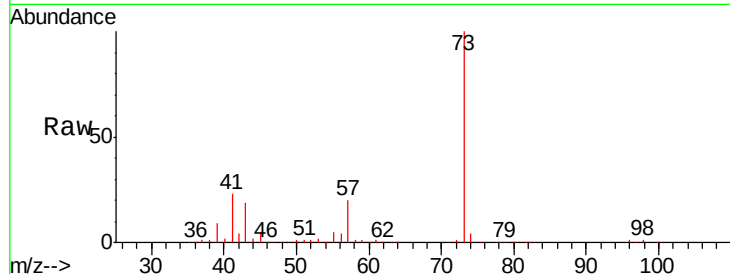
Methyl tert-butyl Ether
Concen: 18.77 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX005690.D
Acq: 30 Oct 2018 14:34

Instrument :
MSVOA_X
ClientSampled :
VX1030WBSD01

Tgt Ion: 73 Resp: 146874
Ion Ratio Lower Upper
73 100
57 20.4 18.8 28.2

Manual Integrations
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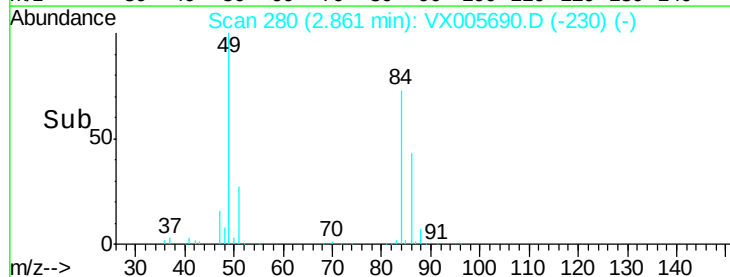
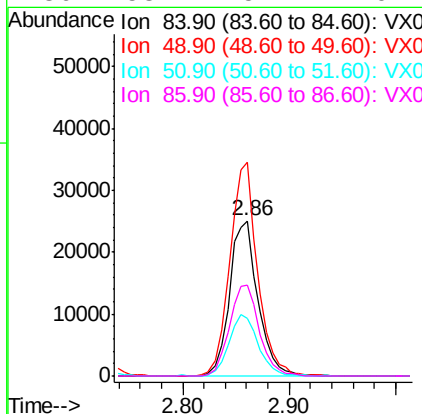
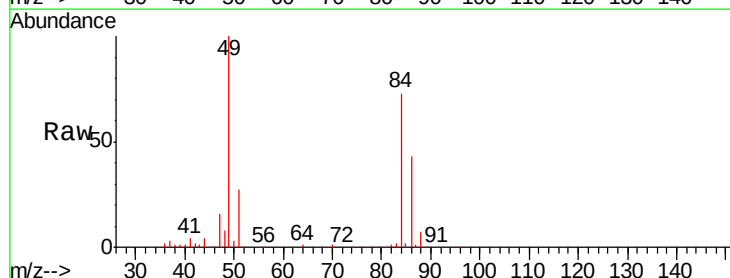
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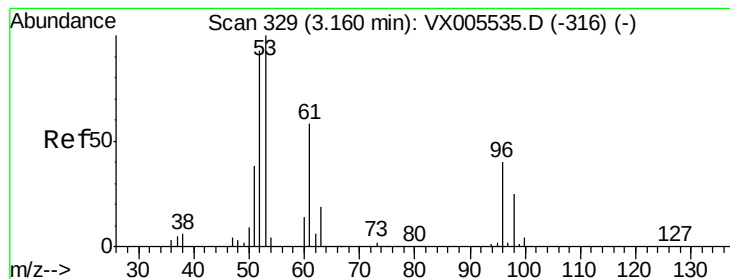


#20

Methylene Chloride
Concen: 18.49 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005690.D
Acq: 30 Oct 2018 14:34

Tgt Ion: 84 Resp: 46687
Ion Ratio Lower Upper
84 100
49 137.5 109.5 164.3
51 37.1 33.3 49.9
86 58.4 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 17.86 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX005690.D

Acq: 30 Oct 2018 14:34

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBSD01

Tgt Ion: 96 Resp: 42784

Ion Ratio Lower Upper

96 100

61 164.9 115.6 173.4

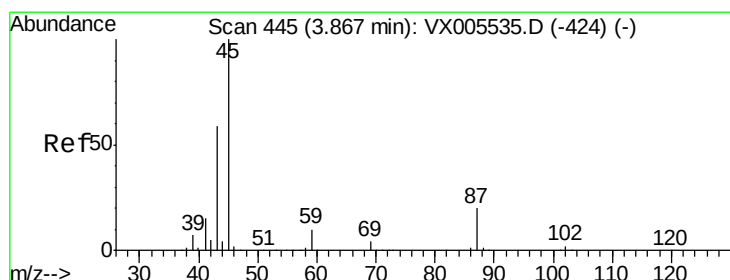
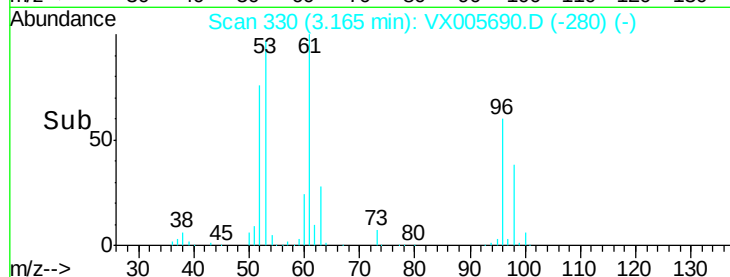
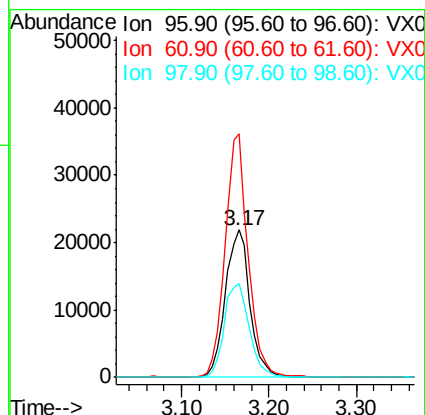
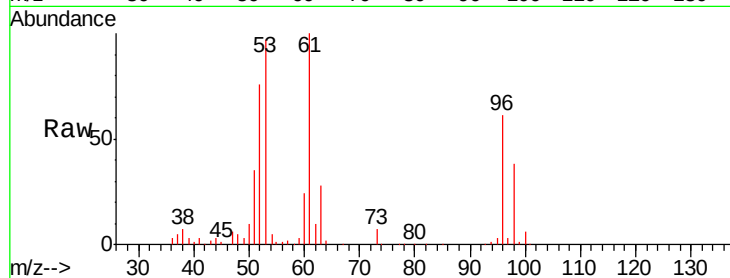
98 63.4 50.2 75.2

Manual Integrations

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#22

Diisopropyl ether

Concen: 18.76 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.00 min

Lab File: VX005690.D

Acq: 30 Oct 2018 14:34

Tgt Ion: 45 Resp: 160375

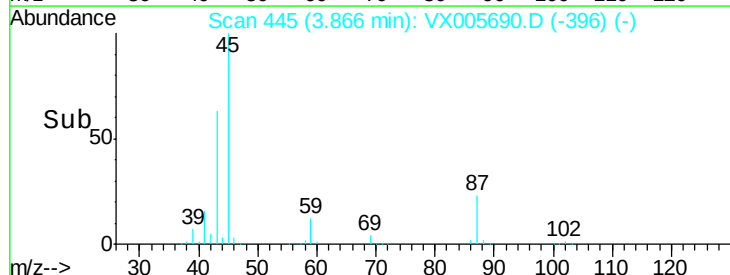
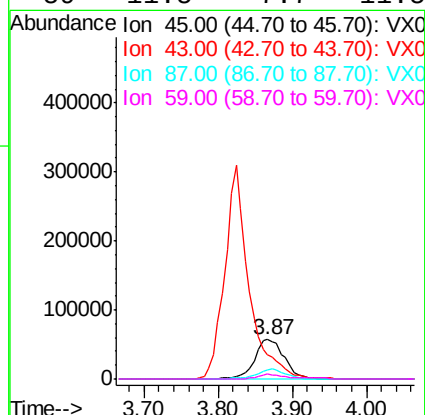
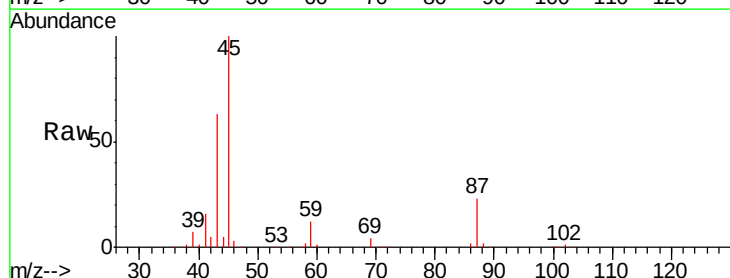
Ion Ratio Lower Upper

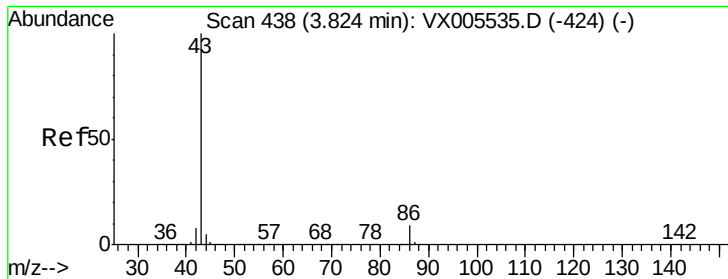
45 100

43 62.4 47.4 71.2

87 23.4 15.9 23.9

59 11.5 7.7 11.5#





#23

Vinyl Acetate

Concen: 93.78 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX005690.D

Acq: 30 Oct 2018 14:34

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBSD01

Tgt Ion: 43 Resp: 706186

Ion Ratio Lower Upper

43 100

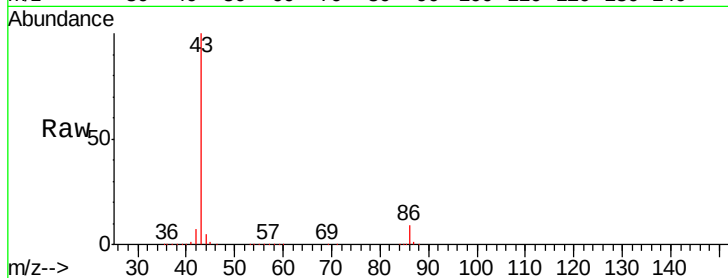
86 9.5 7.4 11.2

Manual Integrations

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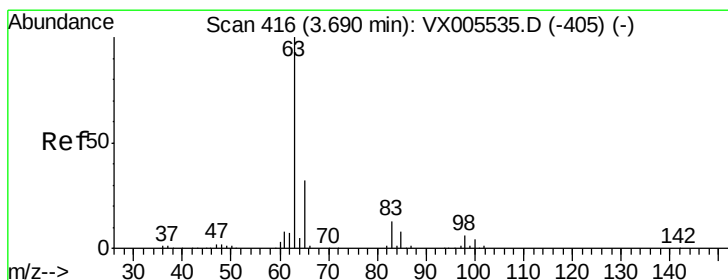
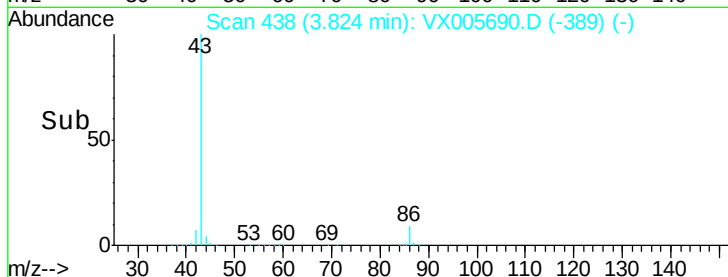
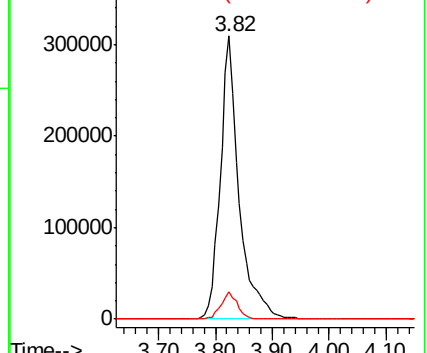
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 18.16 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005690.D

Acq: 30 Oct 2018 14:34

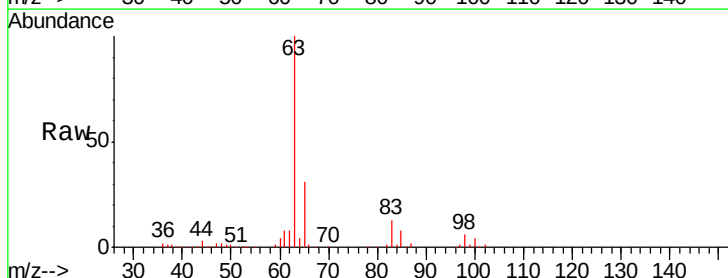
Tgt Ion: 63 Resp: 84404

Ion Ratio Lower Upper

63 100

98 6.3 3.2 9.6

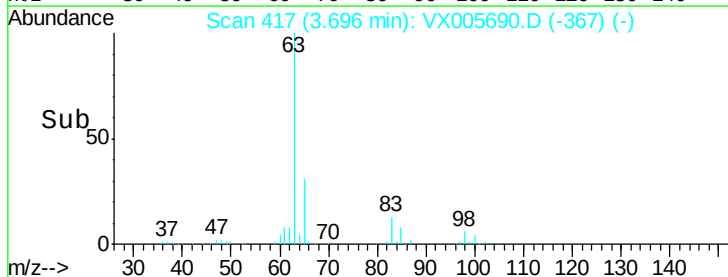
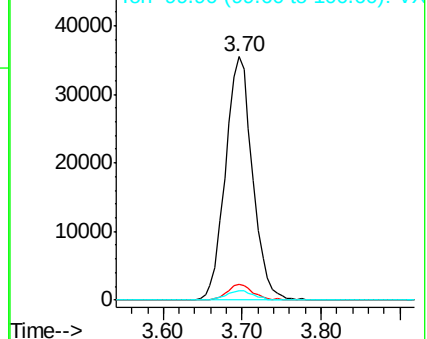
100 3.9 2.1 6.2

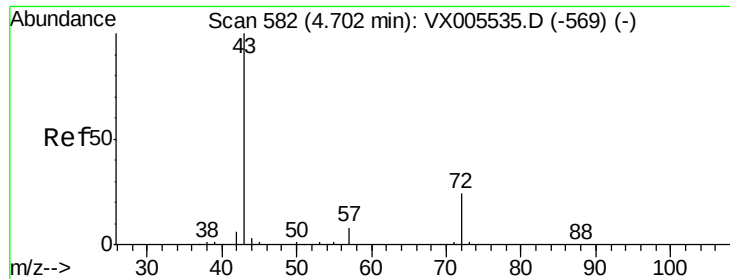


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 92.98 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX005690.D

Acq: 30 Oct 2018 14:34

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBSD01

Tgt Ion: 43 Resp: 213454

Ion Ratio Lower Upper

43 100

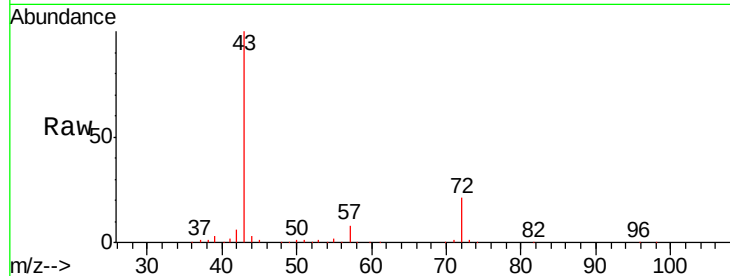
72 21.4 19.2 28.8

Manual Integrations

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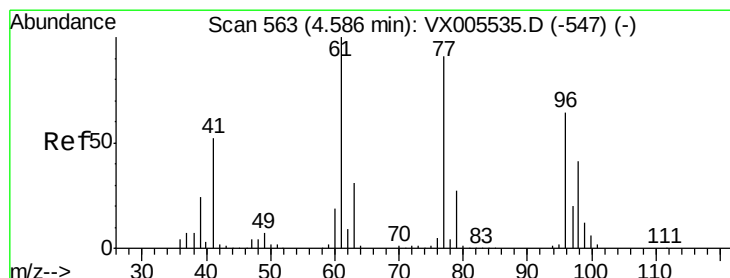
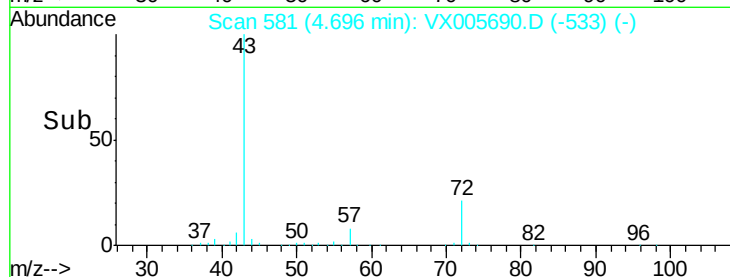
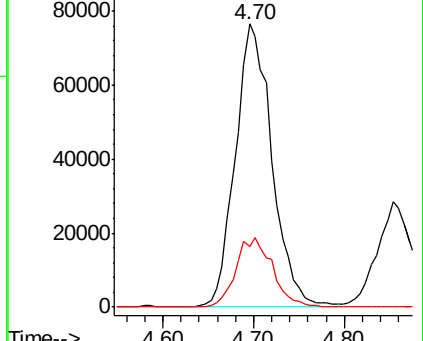
MMDadoda

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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: 17.96 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX005690.D

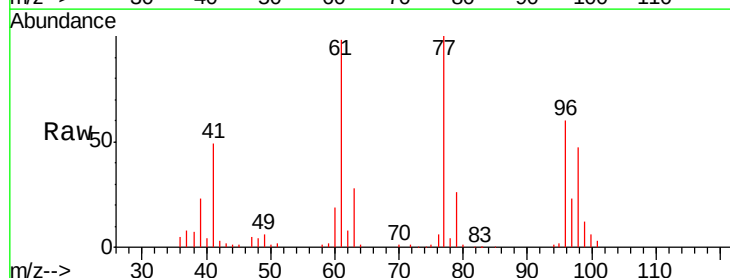
Acq: 30 Oct 2018 14:34

Tgt Ion: 77 Resp: 64462

Ion Ratio Lower Upper

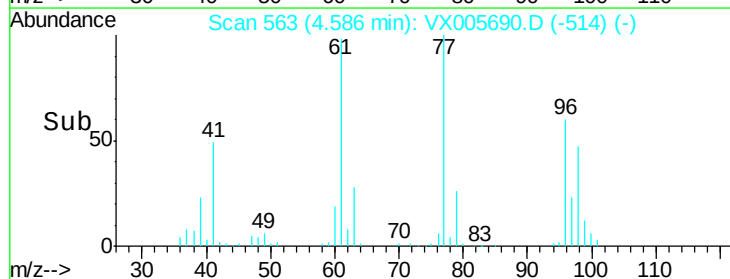
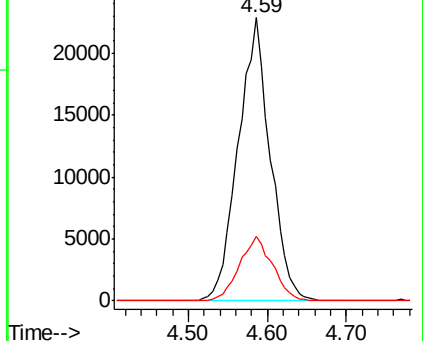
77 100

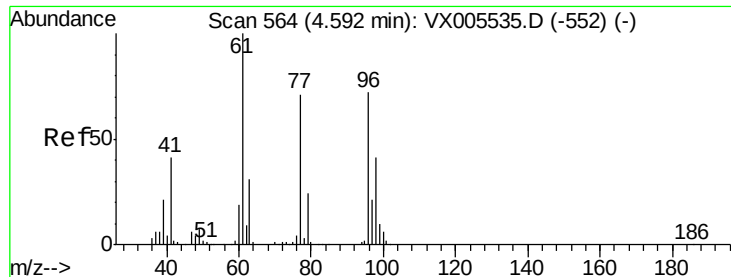
97 23.4 11.5 34.5



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: 18.23 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.00 min

Lab File: VX005690.D

Acq: 30 Oct 2018 14:34

Instrument :

MSVOA_X

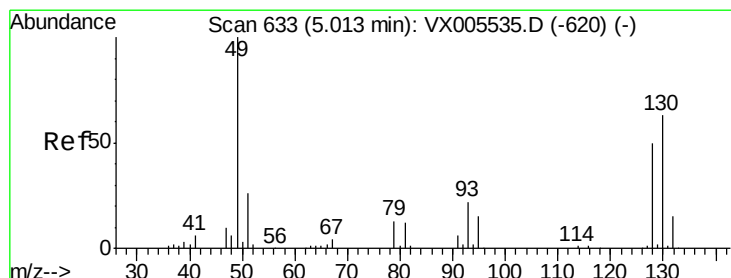
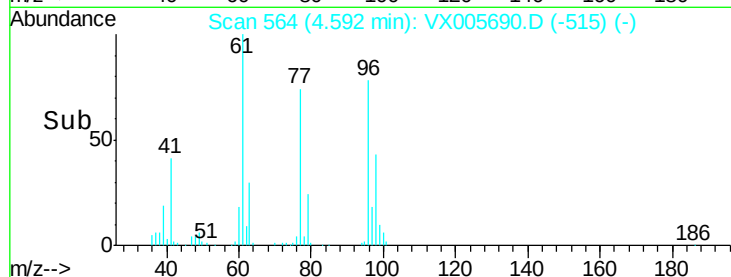
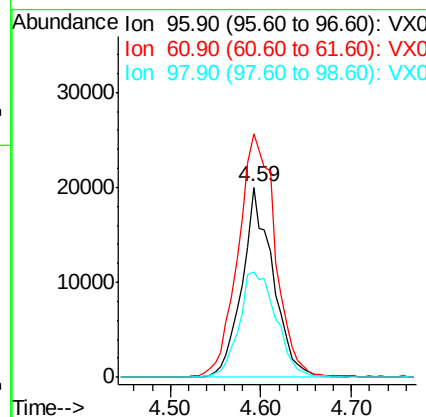
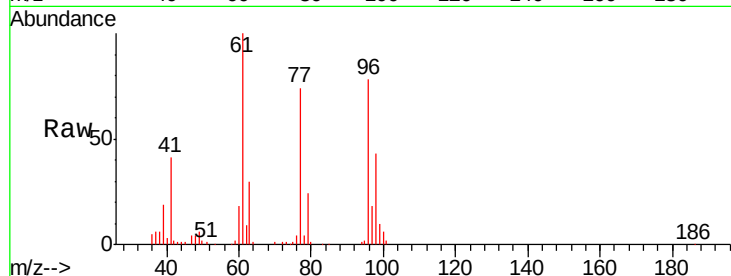
ClientSampleId :

VX1030WBSD01

Tgt Ion:	96	Resp:	47079
Ion	Ratio	Lower	Upper
96	100		
61	154.8	0.0	304.6
98	67.1	0.0	127.4

Manual Integrations
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#28

Bromochloromethane

Concen: 17.32 ug/l

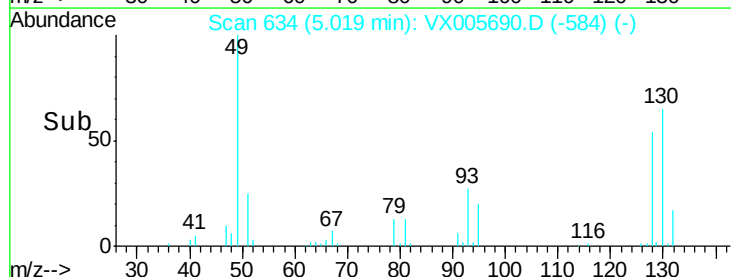
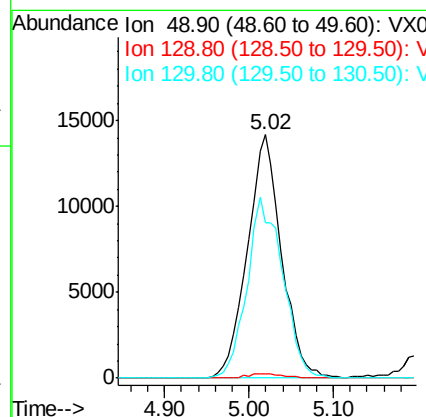
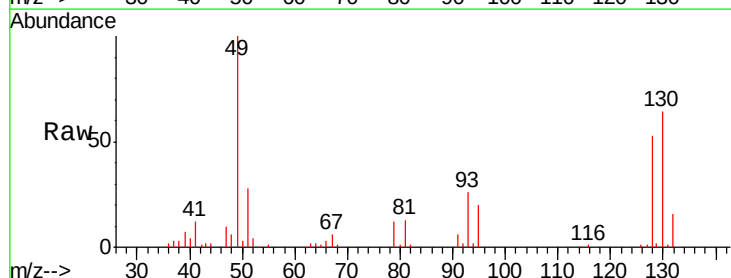
RT: 5.02 min Scan# 634

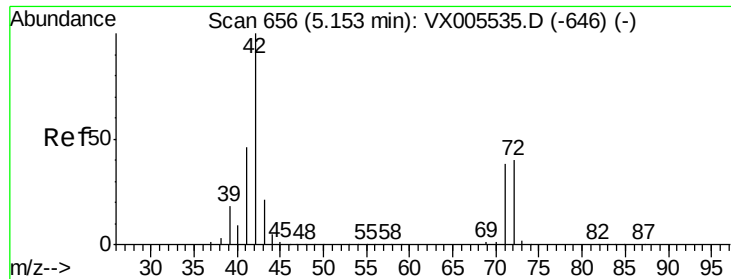
Delta R.T. 0.01 min

Lab File: VX005690.D

Acq: 30 Oct 2018 14:34

Tgt Ion:	49	Resp:	38940
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	77.4	58.9	88.3





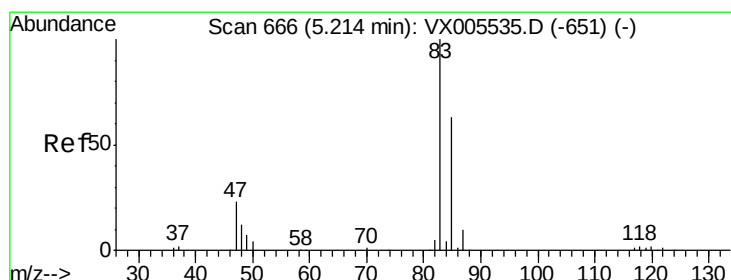
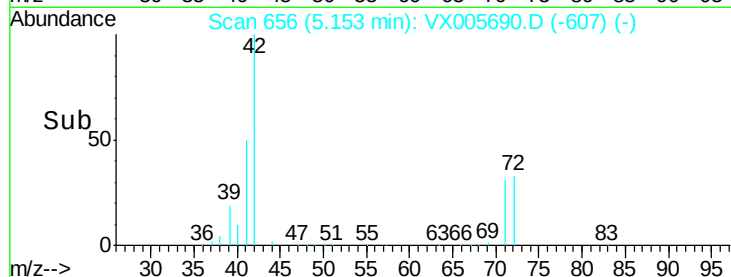
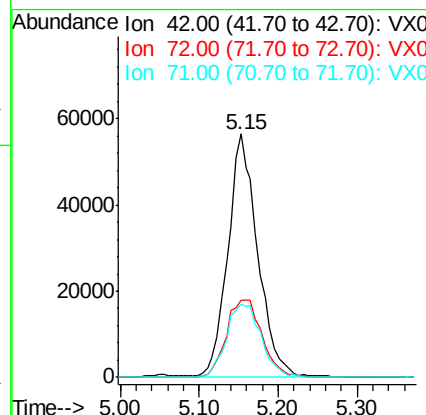
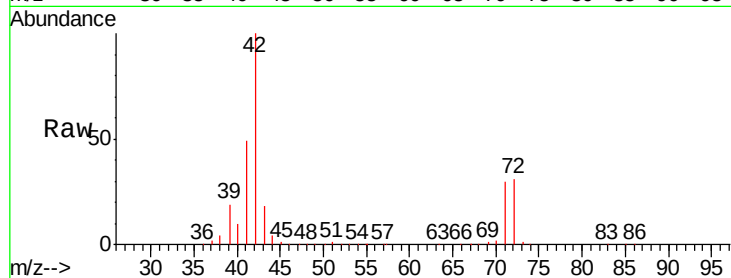
#29
Tetrahydrofuran
Concen: 98.89 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX005690.D
Acq: 30 Oct 2018 14:34

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBSD01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	38.6	32.0	48.0
71	35.6	29.8	44.8

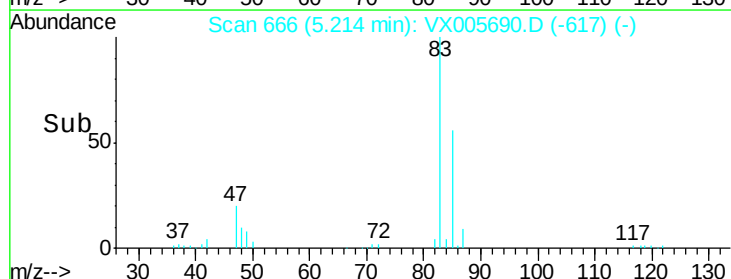
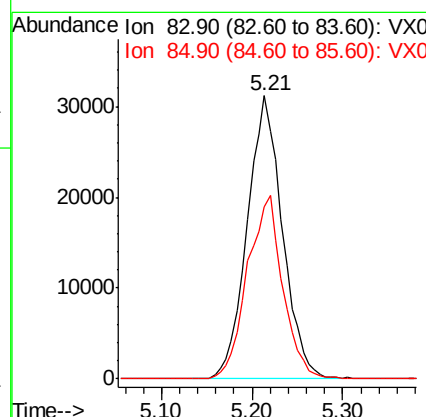
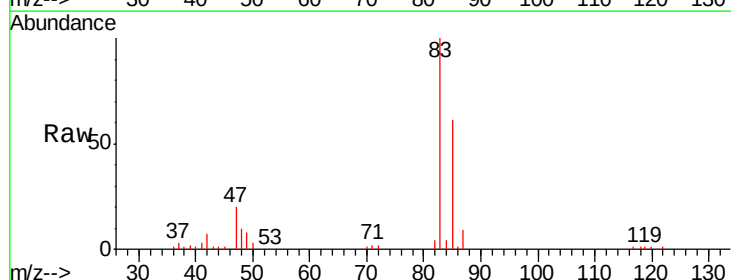
Manual Integrations
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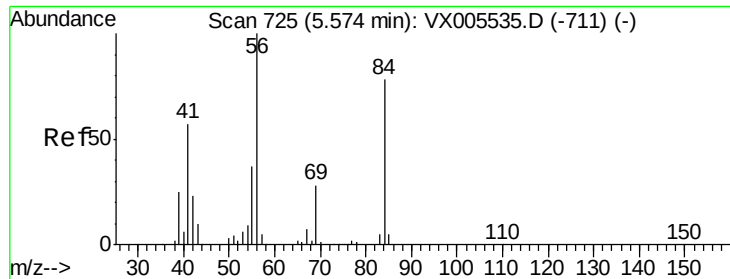
MMDadoda
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#30
Chloroform
Concen: 19.25 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX005690.D
Acq: 30 Oct 2018 14:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.5	50.6	76.0





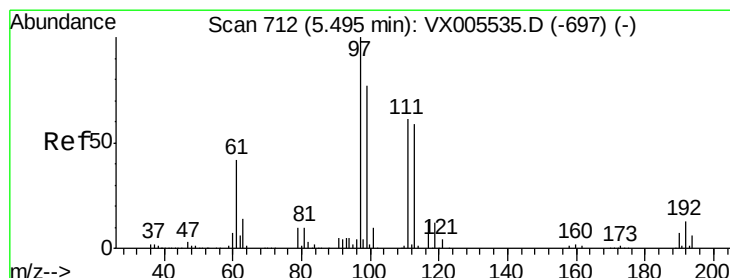
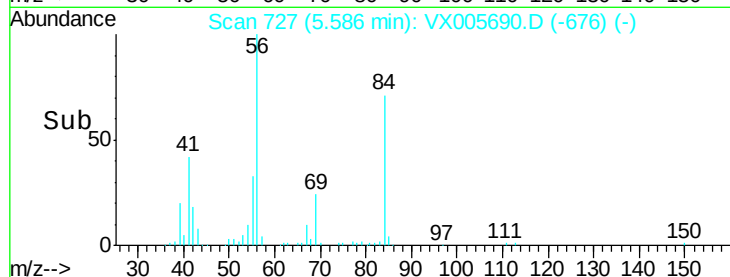
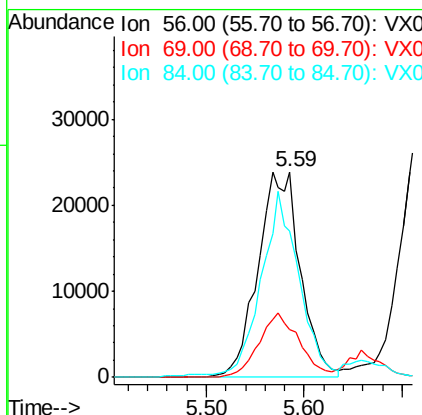
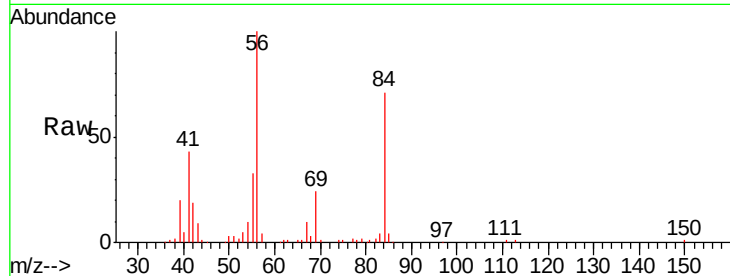
#31
Cyclohexane
Concen: 18.76 ug/l
RT: 5.59 min Scan# 727
Delta R.T. 0.01 min
Lab File: VX005690.D
Acq: 30 Oct 2018 14:34

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBSD01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	23.5	22.6	34.0
84	70.0	62.7	94.1

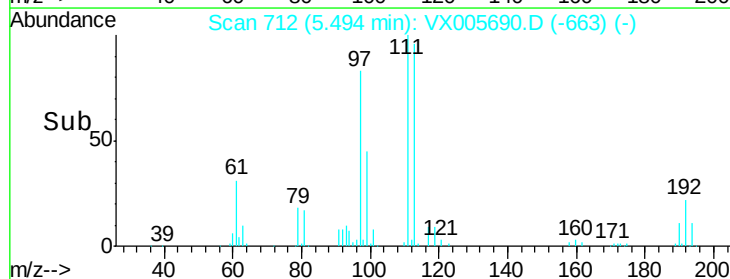
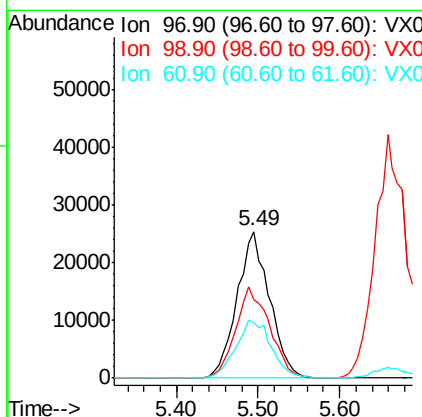
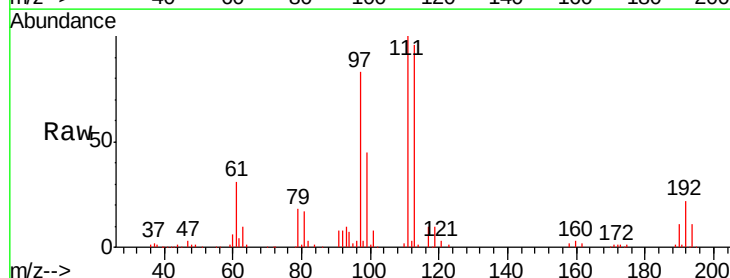
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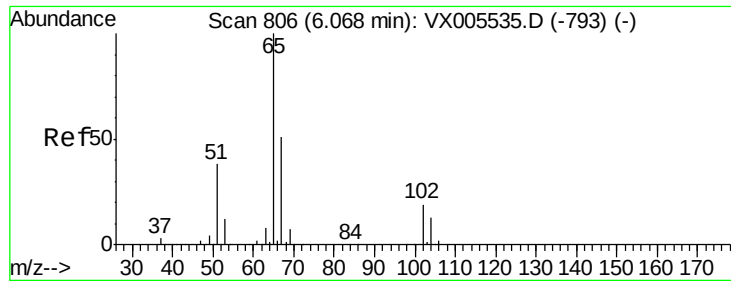
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 18.32 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX005690.D
Acq: 30 Oct 2018 14:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	52.3	78.5
61	43.4	35.2	52.8





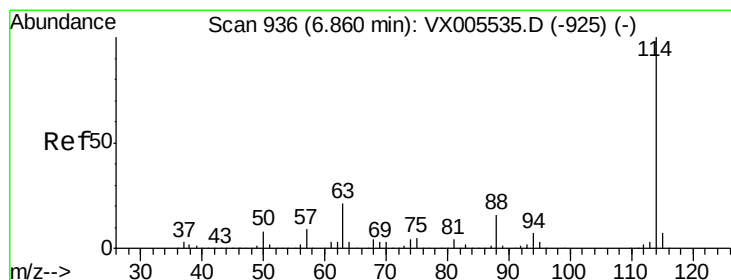
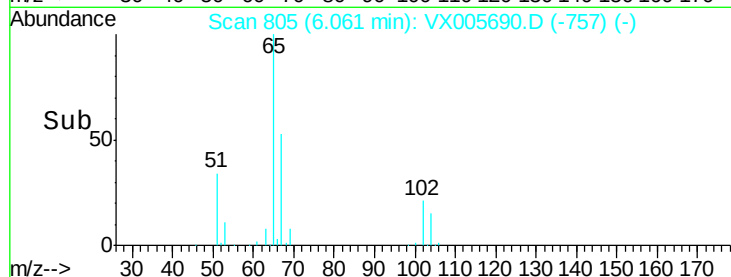
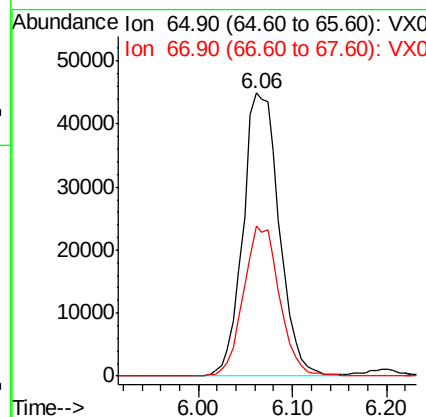
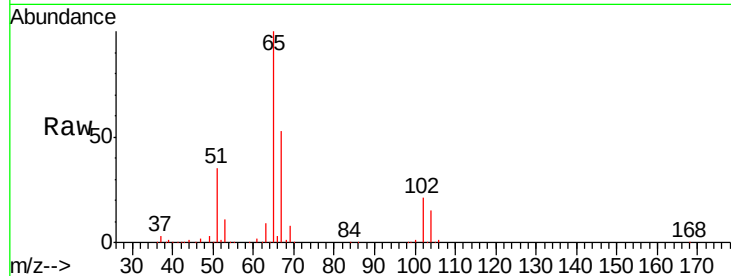
#33
 1,2-Dichloroethane-d4
 Concen: 42.46 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX005690.D
 Acq: 30 Oct 2018 14:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1030WBSD01

Tgt Ion: 65 Resp: 121147
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 105.0

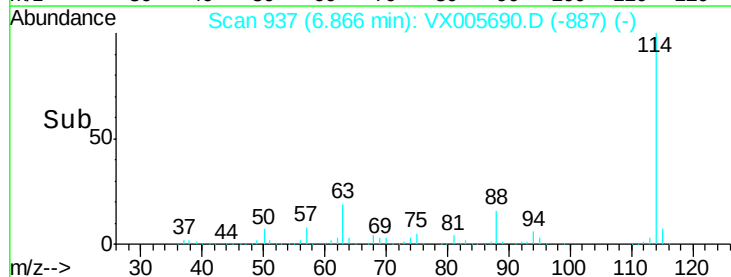
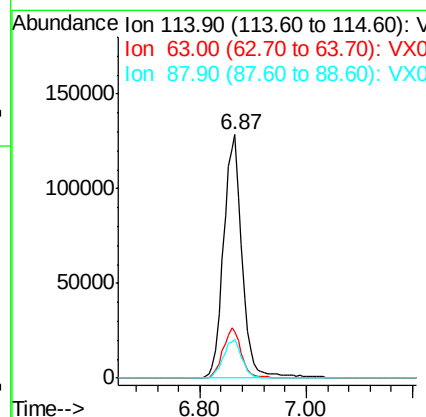
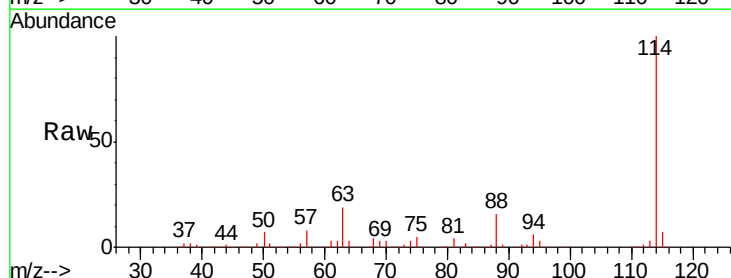
Manual Integrations
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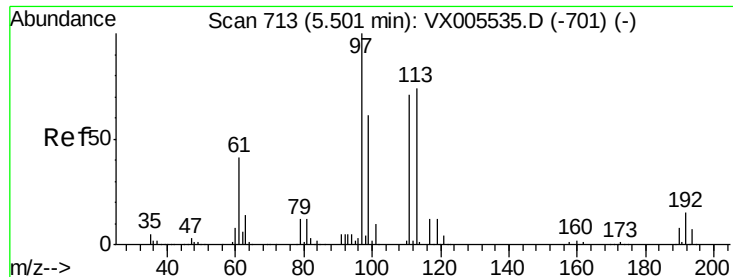
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX005690.D
 Acq: 30 Oct 2018 14:34

Tgt Ion: 114 Resp: 313950
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 42.8
 88 16.0 0.0 31.2





#35

Dibromofluoromethane

Concen: 46.89 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX005690.D

Acq: 30 Oct 2018 14:34

Instrument :

MSVOA_X

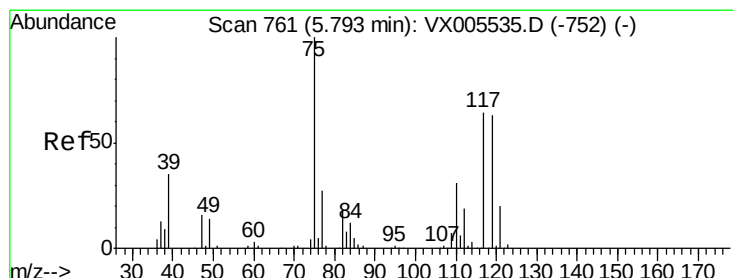
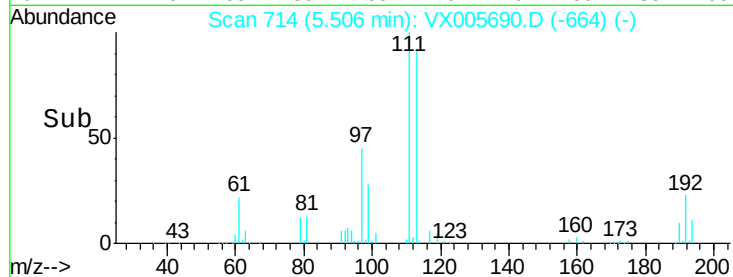
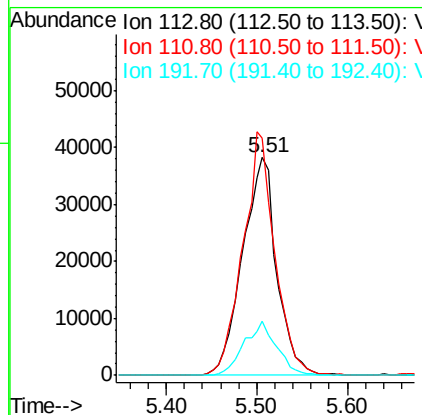
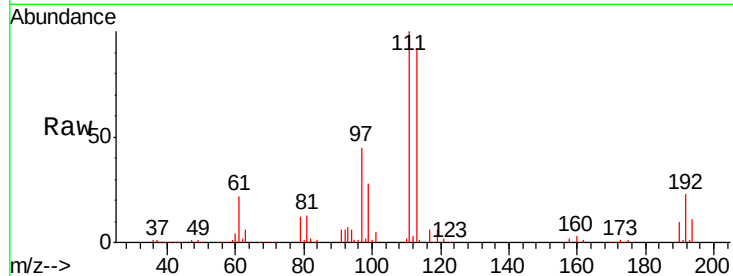
ClientSampleId :

VX1030WBSD01

Tgt Ion:	113	Resp:	99670
Ion Ratio	Lower	Upper	
113	100		
111	104.5	82.3	123.5
192	23.6	17.9	26.9

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.70 ug/l

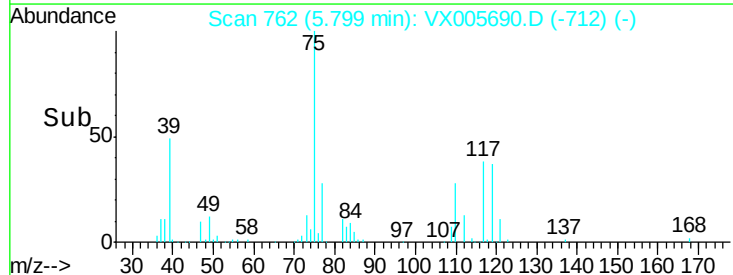
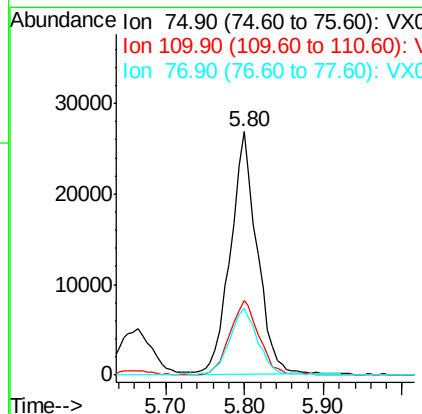
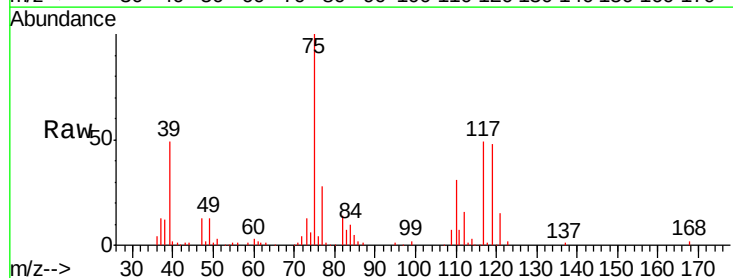
RT: 5.80 min Scan# 762

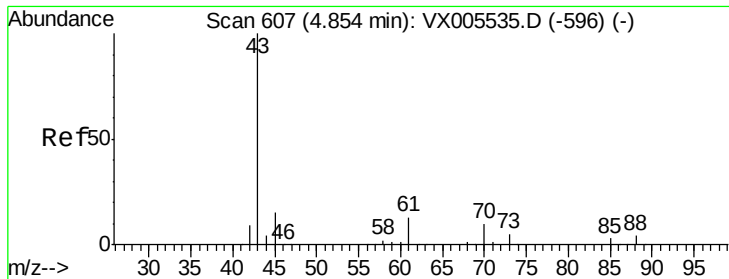
Delta R.T. 0.01 min

Lab File: VX005690.D

Acq: 30 Oct 2018 14:34

Tgt Ion:	75	Resp:	63060
Ion Ratio	Lower	Upper	
75	100		
110	34.1	17.4	52.2
77	28.9	25.8	38.6





#37

Ethyl Acetate

Concen: 20.13 ug/l

RT: 4.85 min Scan# 607

Delta R.T. -0.00 min

Lab File: VX005690.D

Acq: 30 Oct 2018 14:34

Instrument :

MSVOA_X

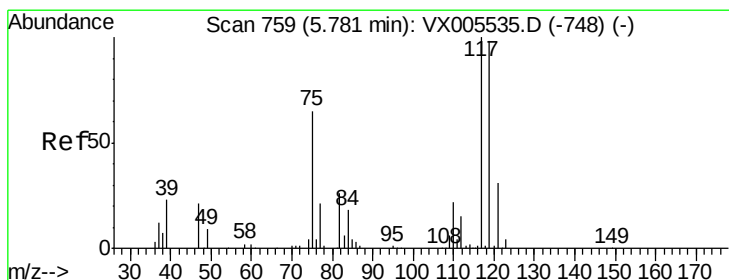
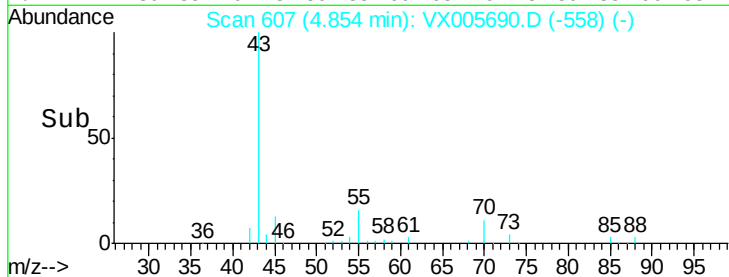
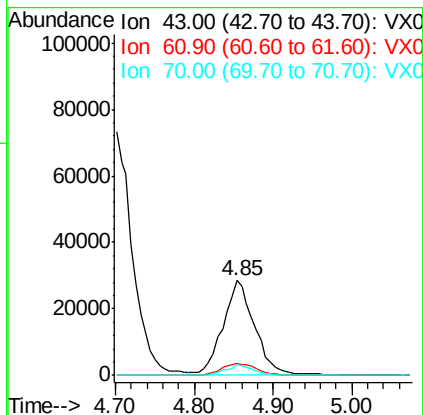
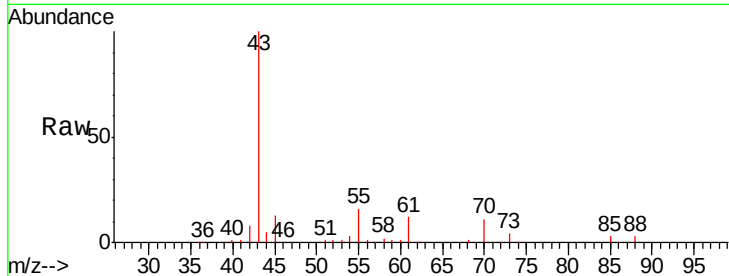
ClientSampleId :

VX1030WBSD01

Tgt Ion:	43	Resp:	78245
Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.8	16.2
70	10.3	7.8	11.8

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 18.74 ug/l

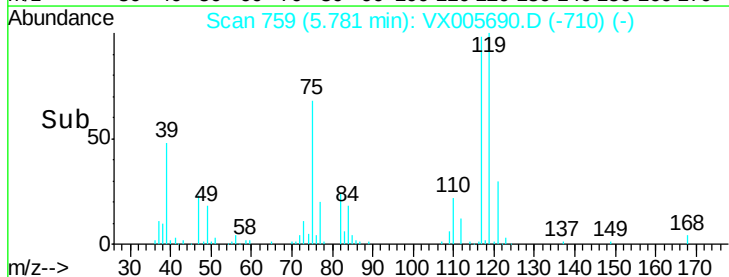
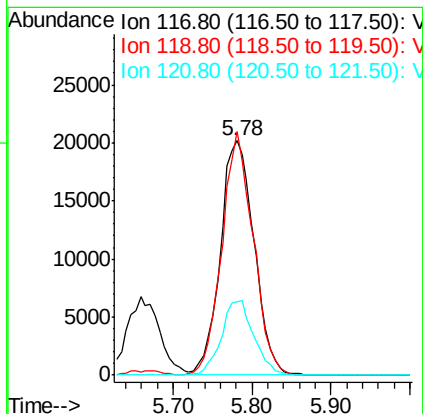
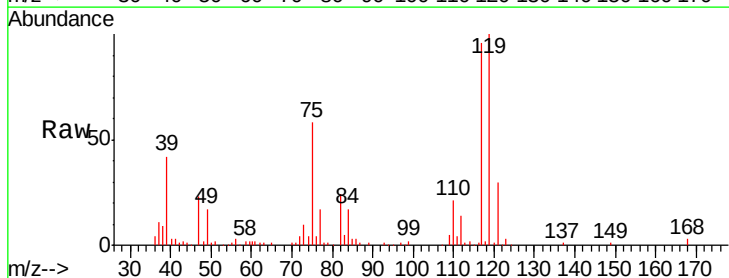
RT: 5.78 min Scan# 759

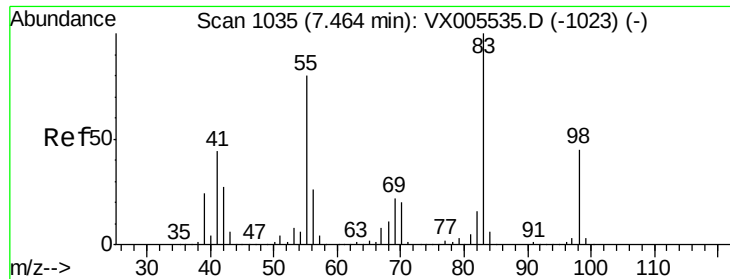
Delta R.T. -0.00 min

Lab File: VX005690.D

Acq: 30 Oct 2018 14:34

Tgt Ion:	117	Resp:	60143
Ion	Ratio	Lower	Upper
117	100		
119	103.8	78.1	117.1
121	31.0	24.6	36.8





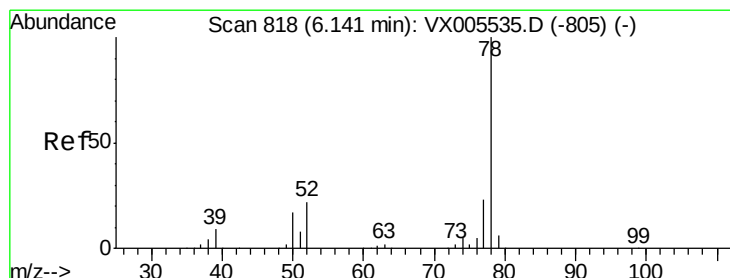
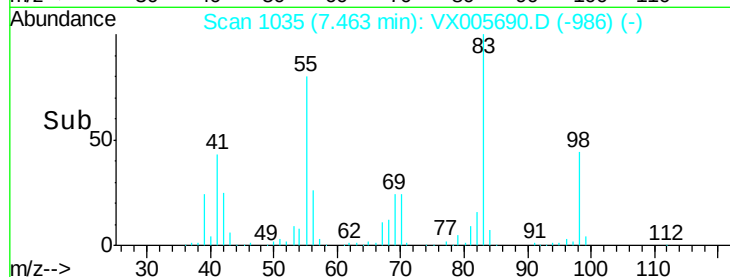
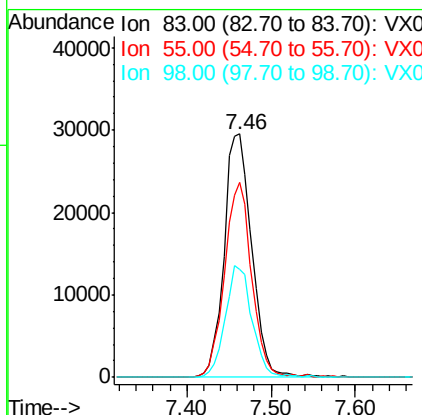
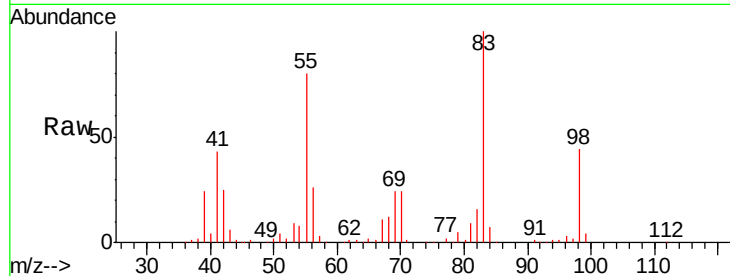
#39
Methylcyclohexane
Concen: 19.64 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX005690.D
Acq: 30 Oct 2018 14:34

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	66089		
55	80.1	63.7	95.5	
98	44.1	36.2	54.2	

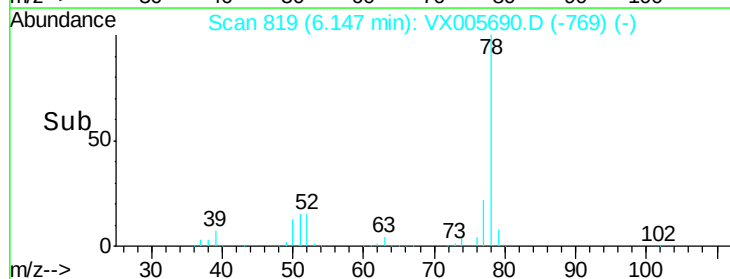
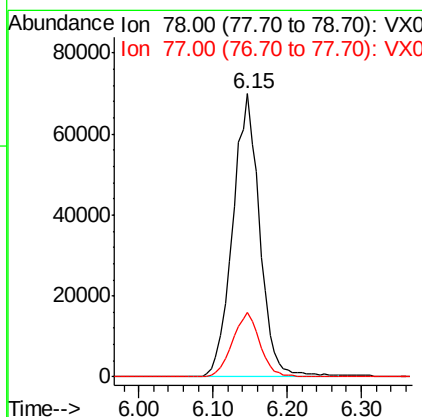
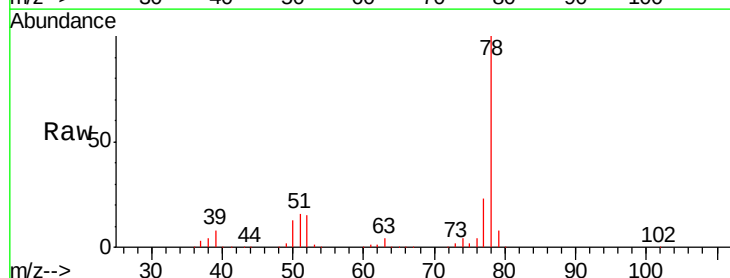
Manual Integrations
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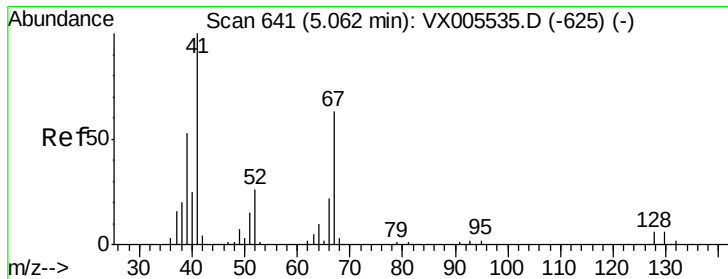
MMDadoda
10/31/2018 11:07:12 AM



#40
Benzene
Concen: 20.38 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX005690.D
Acq: 30 Oct 2018 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	177987		
77	23.0	18.4	27.6	





#41

Methacrylonitrile

Concen: 19.78 ug/l

RT: 5.06 min Scan# 641

Delta R.T. -0.00 min

Lab File: VX005690.D

Acq: 30 Oct 2018 14:34

Instrument :

MSVOA_X

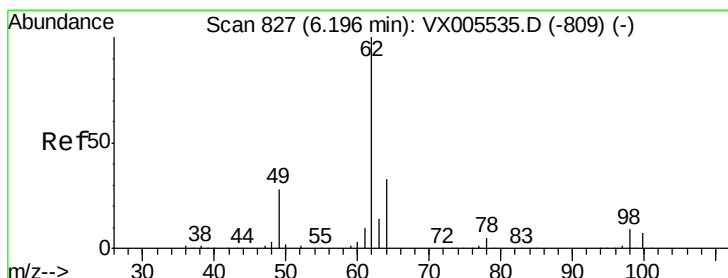
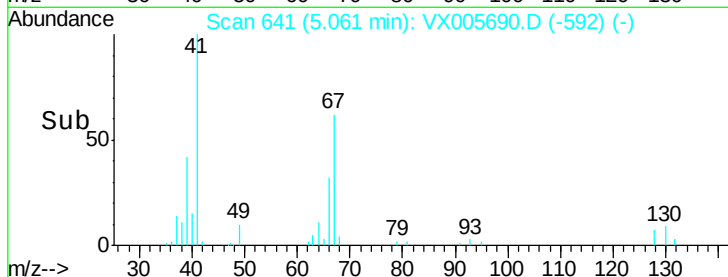
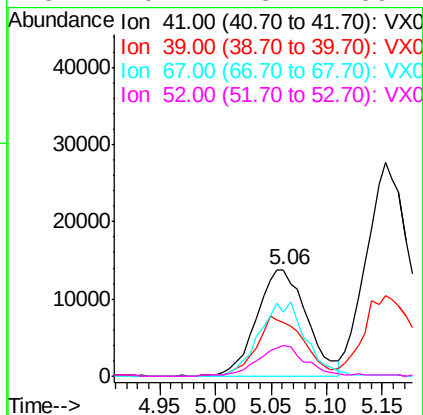
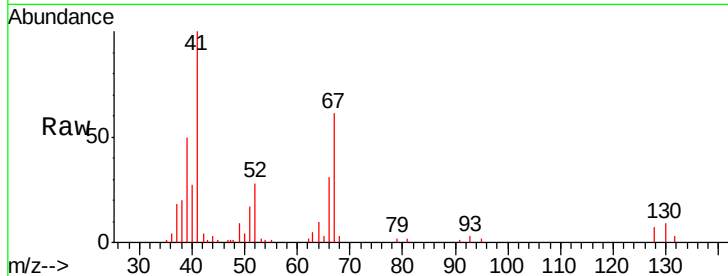
ClientSampleId :

VX1030WBSD01

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.0	42.2	63.2	
67	65.9	53.4	80.0	
52	29.1	23.4	35.2	

Manual Integrations
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10/31/2018 11:07:12 AM



#42

1,2-Dichloroethane

Concen: 19.53 ug/l

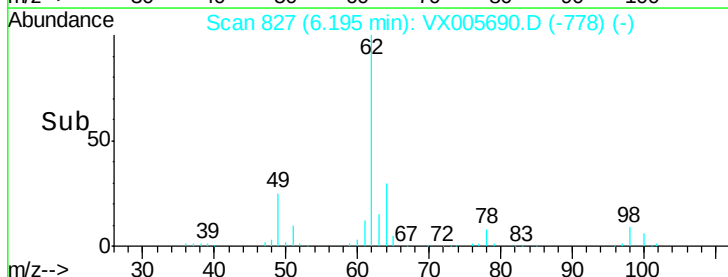
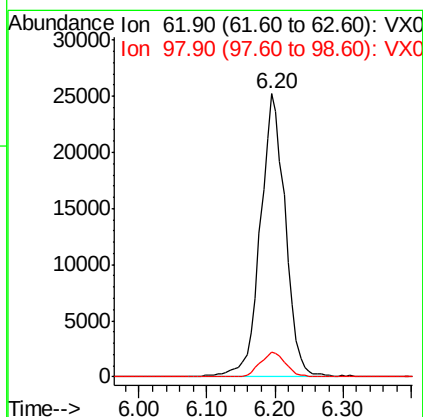
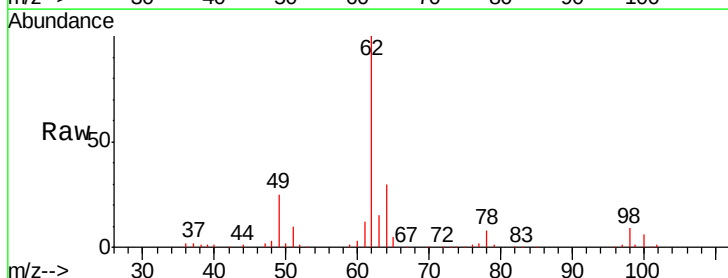
RT: 6.20 min Scan# 827

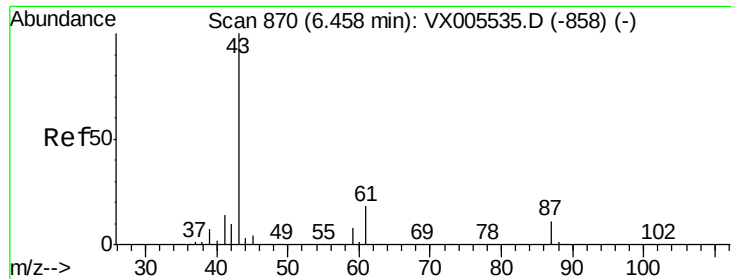
Delta R.T. -0.00 min

Lab File: VX005690.D

Acq: 30 Oct 2018 14:34

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.8	0.0	17.8	





#43

Isopropyl Acetate

Concen: 20.09 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX005690.D

Acq: 30 Oct 2018 14:34

Instrument :

MSVOA_X

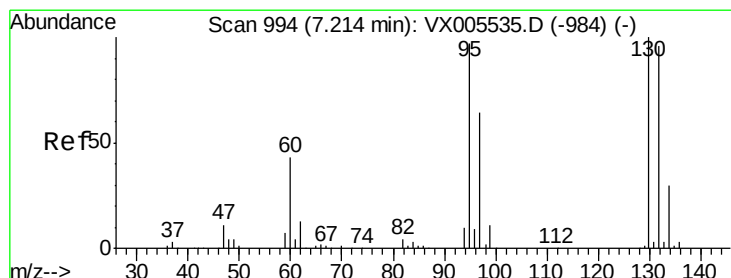
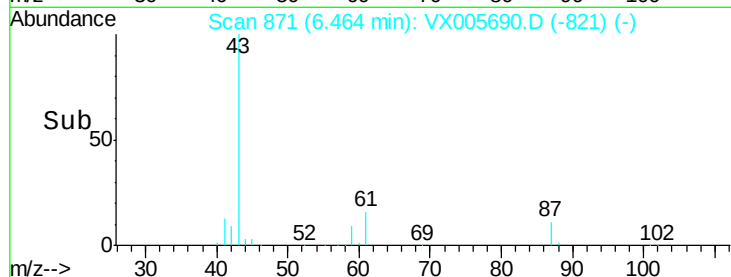
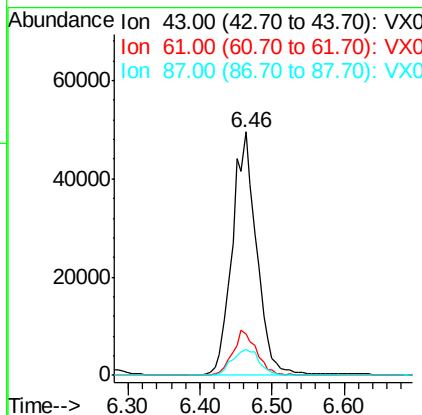
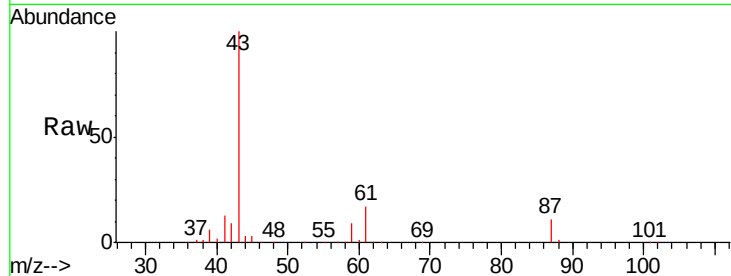
ClientSampleId :

VX1030WBSD01

Tgt Ion:	43	Resp:	117061
Ion	Ratio	Lower	Upper
43	100		
61	18.0	14.6	22.0
87	12.1	9.6	14.4

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#44

Trichloroethene

Concen: 20.13 ug/l

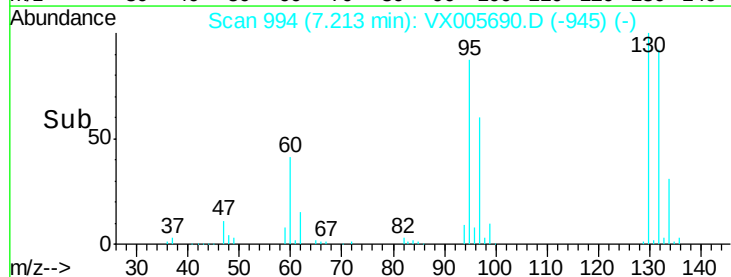
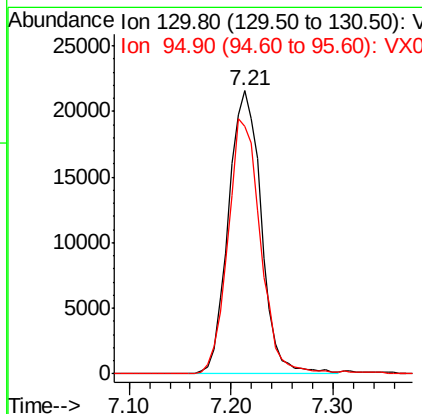
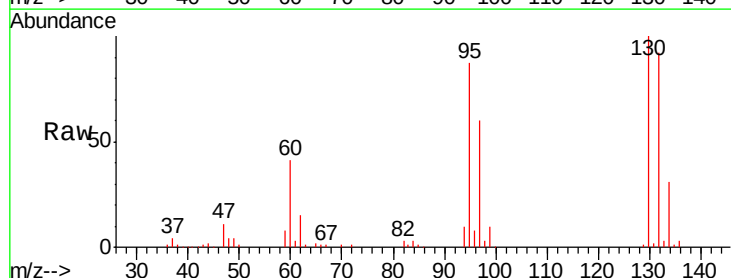
RT: 7.21 min Scan# 994

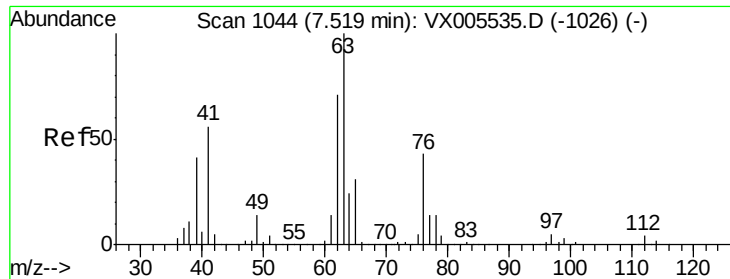
Delta R.T. -0.00 min

Lab File: VX005690.D

Acq: 30 Oct 2018 14:34

Tgt Ion:	130	Resp:	47894
Ion	Ratio	Lower	Upper
130	100		
95	87.3	0.0	194.2





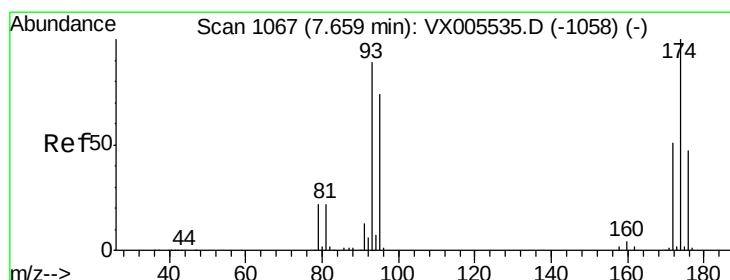
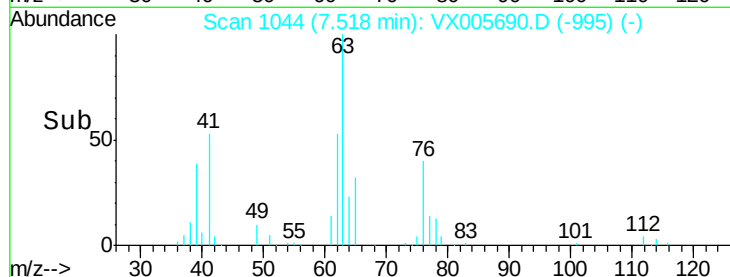
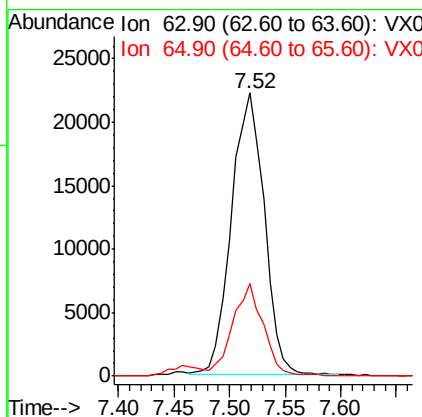
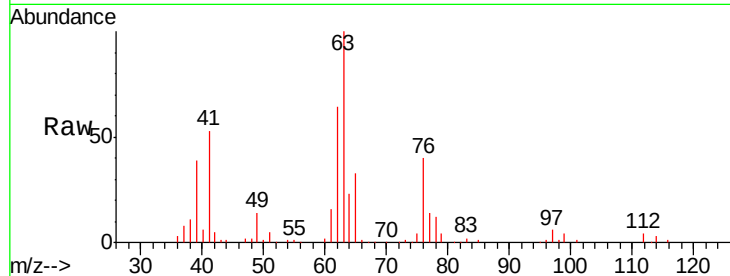
#45
 1,2-Dichloropropane
 Concen: 19.34 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX005690.D
 Acq: 30 Oct 2018 14:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1030WBSD01

Tgt Ion: 63 Resp: 45401
 Ion Ratio Lower Upper
 63 100
 65 33.1 24.8 37.2

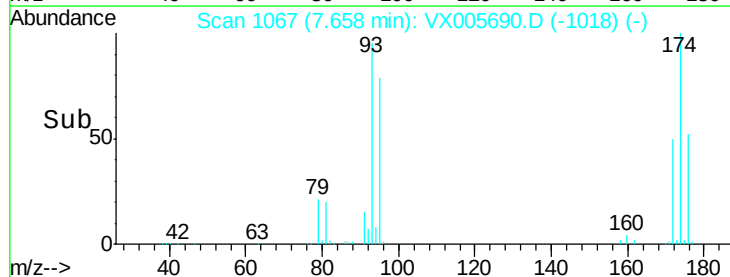
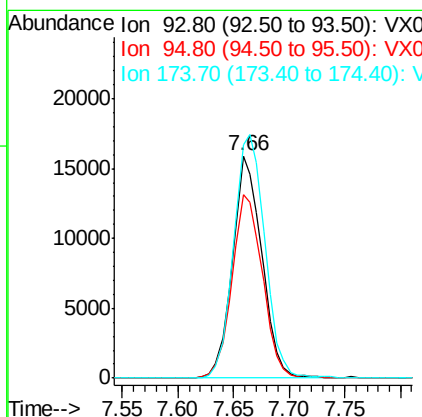
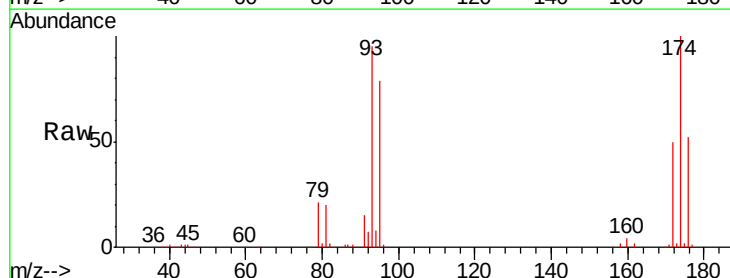
Manual Integrations
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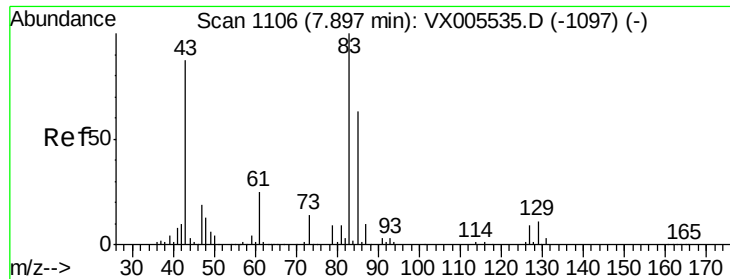
MMDadoda
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#46
 Dibromomethane
 Concen: 19.11 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX005690.D
 Acq: 30 Oct 2018 14:34

Tgt Ion: 93 Resp: 28981
 Ion Ratio Lower Upper
 93 100
 95 86.2 67.4 101.0
 174 116.6 91.5 137.3





#47

Bromodichloromethane

Concen: 18.95 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX005690.D

Acq: 30 Oct 2018 14:34

Instrument :

MSVOA_X

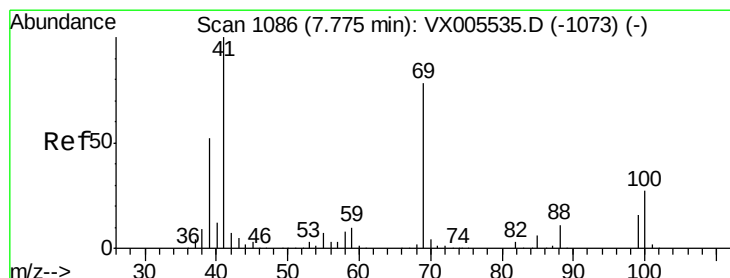
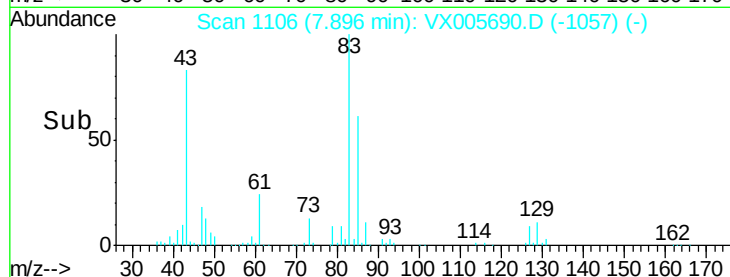
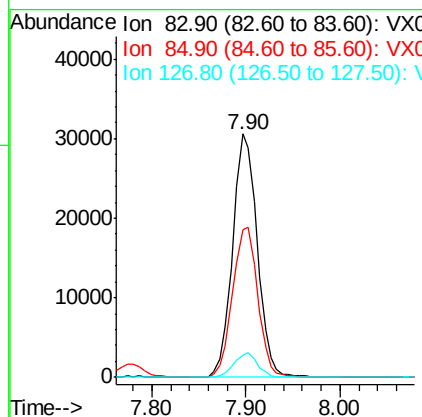
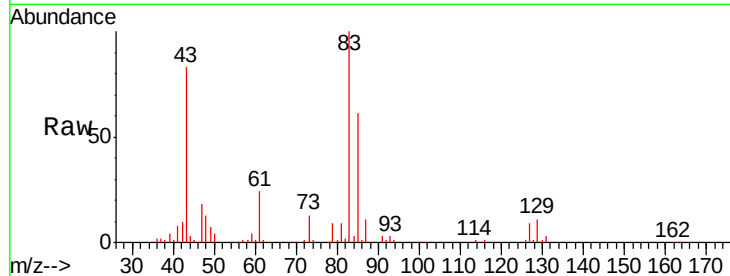
ClientSampleId :

VX1030WBSD01

Tgt Ion:	83	Resp:	55772
Ion	Ratio	Lower	Upper
83	100		
85	60.5	50.2	75.4
127	9.1	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.32 ug/l

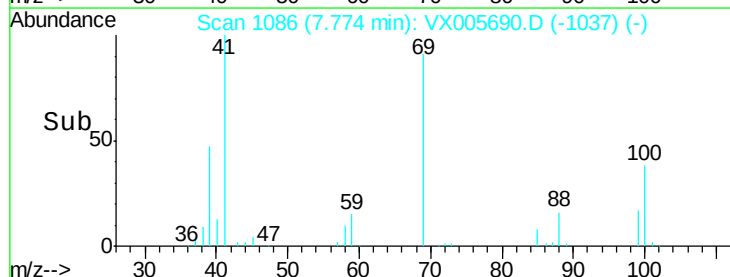
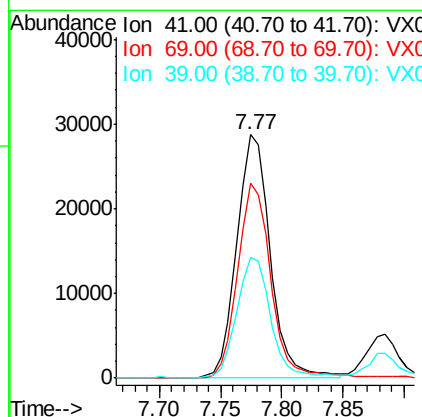
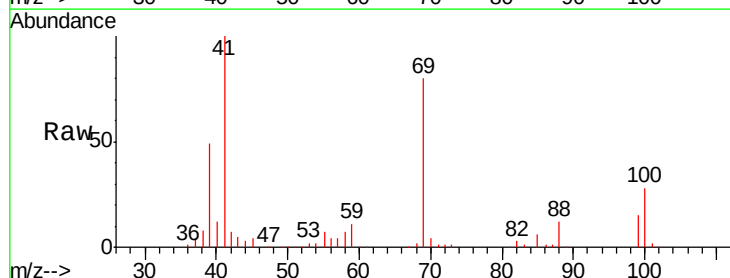
RT: 7.77 min Scan# 1086

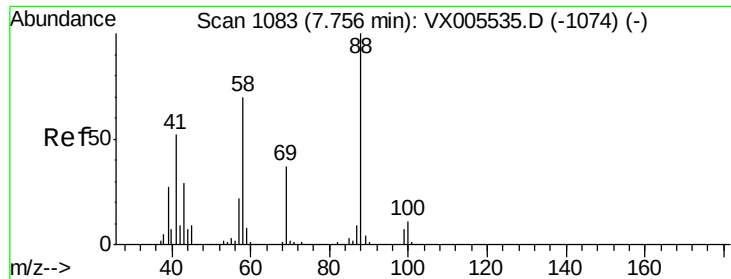
Delta R.T. -0.00 min

Lab File: VX005690.D

Acq: 30 Oct 2018 14:34

Tgt Ion:	41	Resp:	54848
Ion	Ratio	Lower	Upper
41	100		
69	79.6	63.2	94.8
39	49.4	42.2	63.2





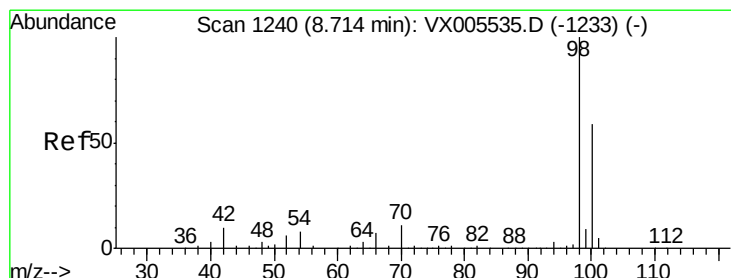
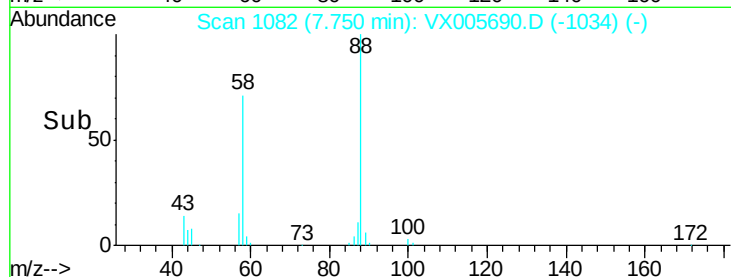
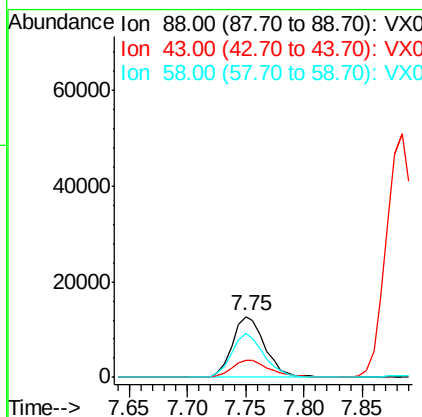
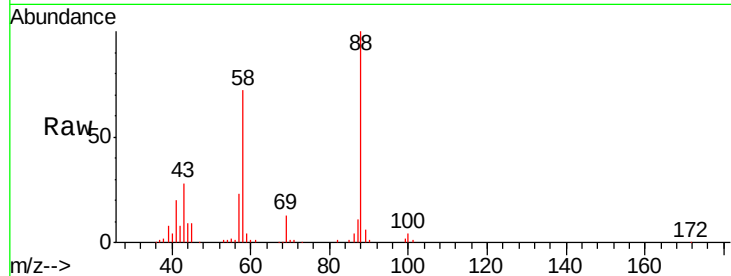
#49
1,4-Dioxane
Concen: 398.82 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005690.D
Acq: 30 Oct 2018 14:34

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBSD01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	34.4	27.4	41.0
58	72.1	59.4	89.2

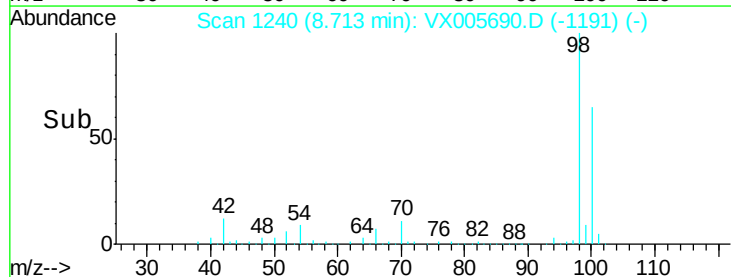
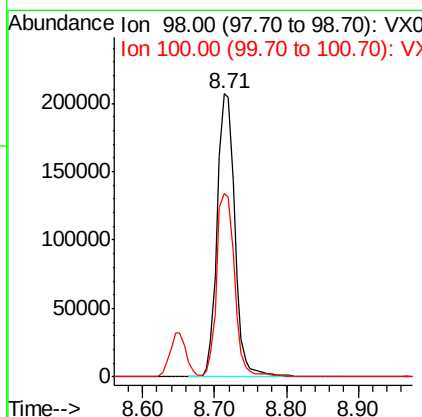
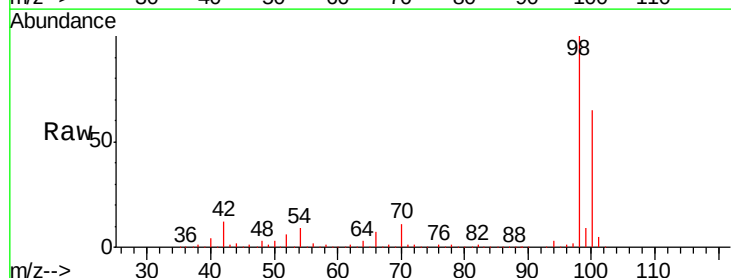
Manual Integrations
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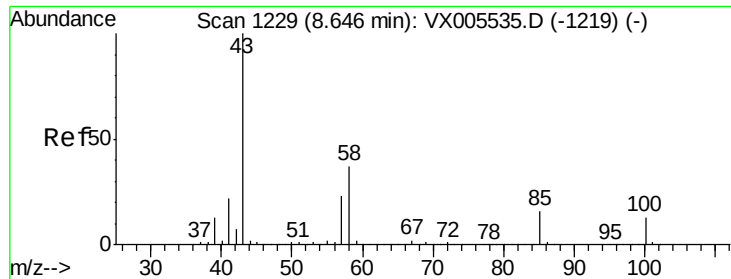
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#50
Toluene-d8
Concen: 46.02 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005690.D
Acq: 30 Oct 2018 14:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 96.04 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX005690.D

Acq: 30 Oct 2018 14:34

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBSD01

Tgt Ion: 43 Resp: 376051

Ion Ratio Lower Upper

43 100

58 37.1

29.7

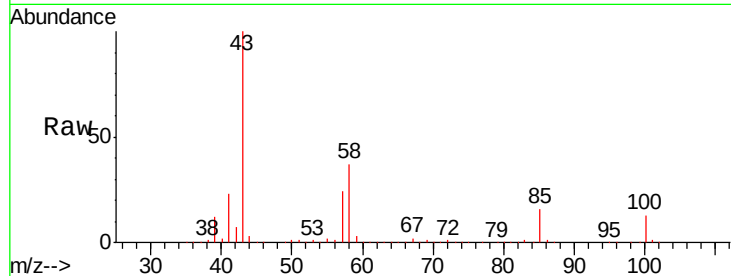
44.5

Manual Integrations

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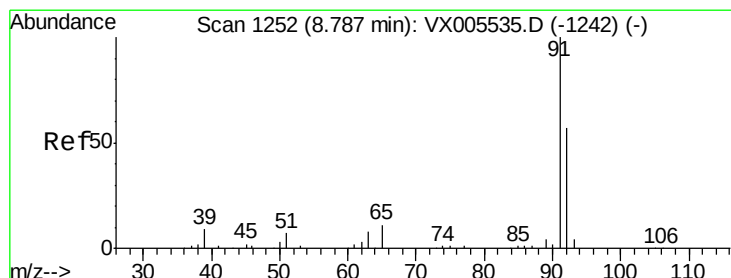
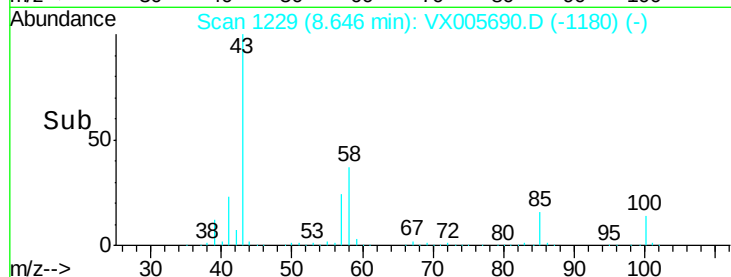
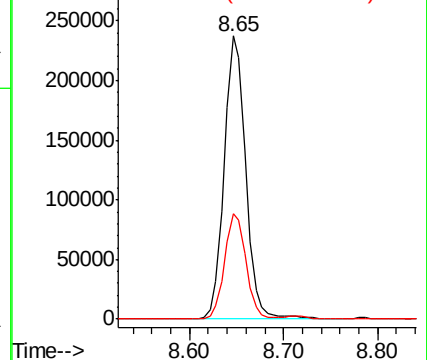
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.28 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005690.D

Acq: 30 Oct 2018 14:34

Tgt Ion: 92 Resp: 102358

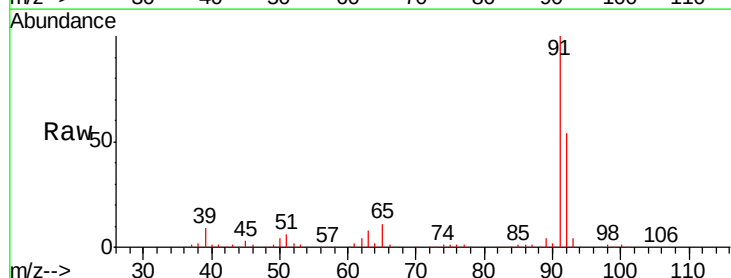
Ion Ratio Lower Upper

92 100

91 178.4

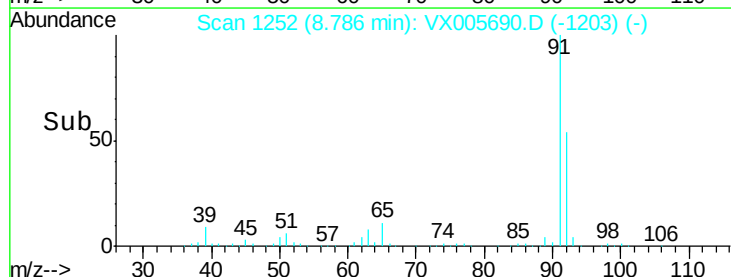
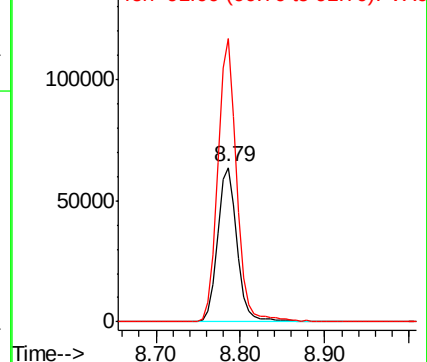
140.4

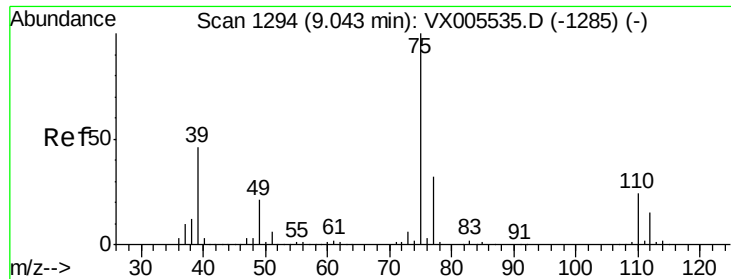
210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





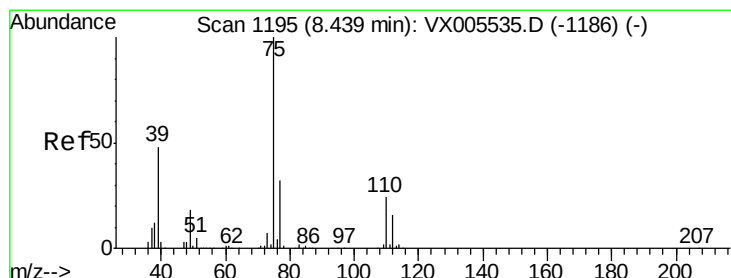
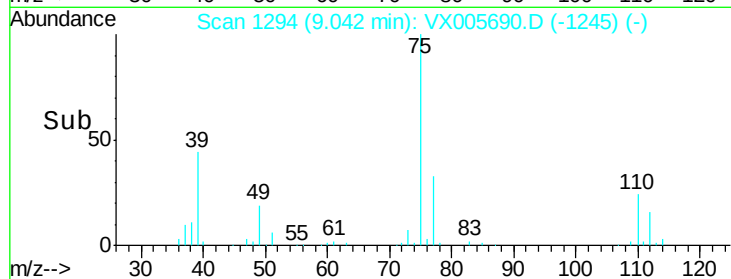
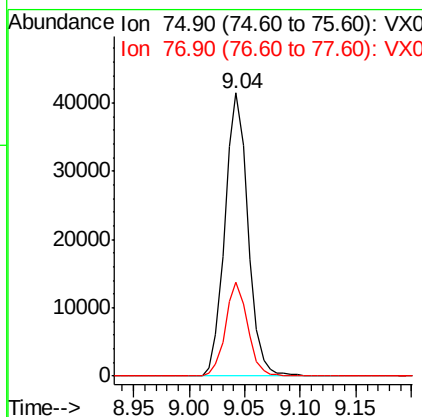
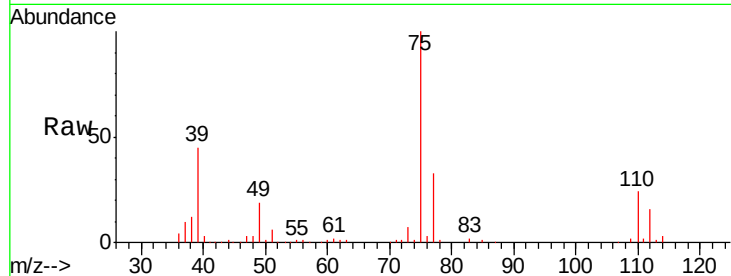
#53
t-1,3-Dichloropropene
Concen: 18.76 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005690.D
Acq: 30 Oct 2018 14:34

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBSD01

Tgt Ion: 75 Resp: 59684
Ion Ratio Lower Upper
75 100
77 33.1 25.4 38.2

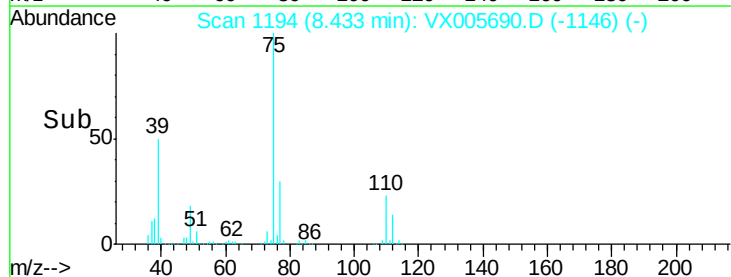
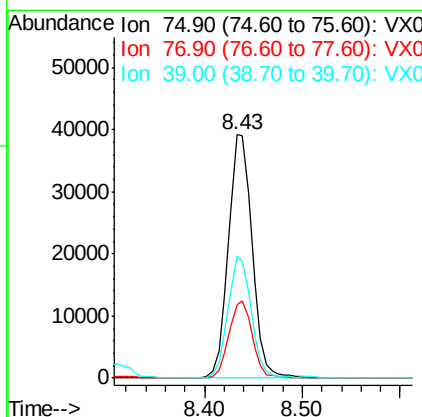
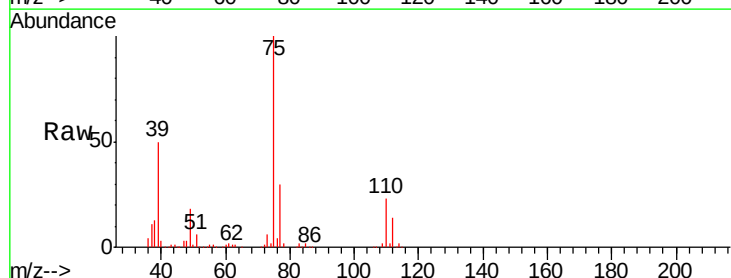
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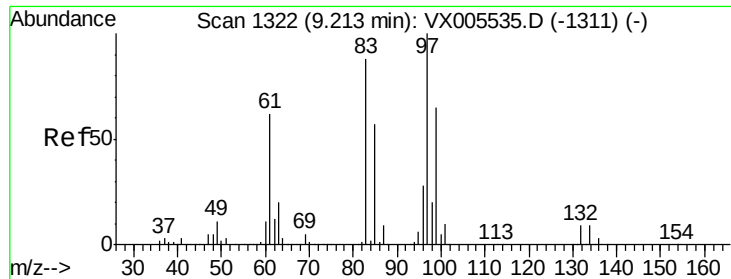
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#54
cis-1,3-Dichloropropene
Concen: 19.34 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.01 min
Lab File: VX005690.D
Acq: 30 Oct 2018 14:34

Tgt Ion: 75 Resp: 66232
Ion Ratio Lower Upper
75 100
77 30.2 25.2 37.8
39 49.8 38.2 57.2





#55

1,1,2-Trichloroethane

Concen: 19.37 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX005690.D

Acq: 30 Oct 2018 14:34

Instrument :

MSVOA_X

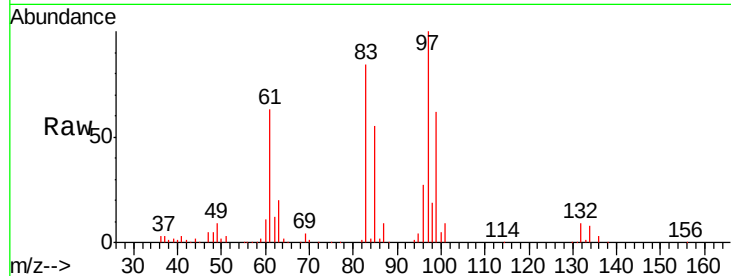
ClientSampleId :

VX1030WBSD01

Tgt Ion:	97	Resp:	43350
Ion	Ratio	Lower	Upper
97	100		
83	84.4	70.7	106.1
85	55.4	45.8	68.6
99	61.9	51.8	77.8

Manual Integrations
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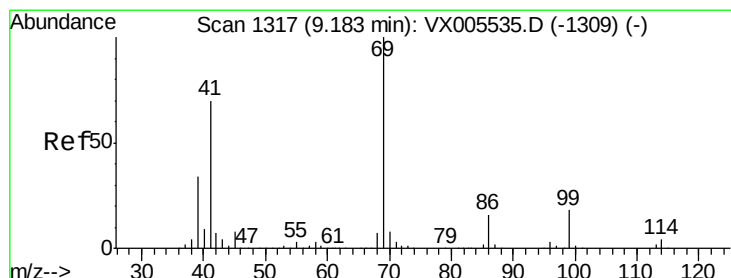
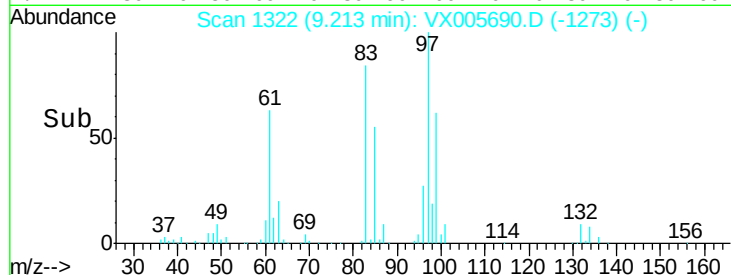
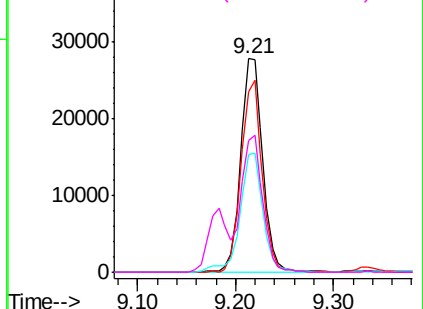
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 19.01 ug/l

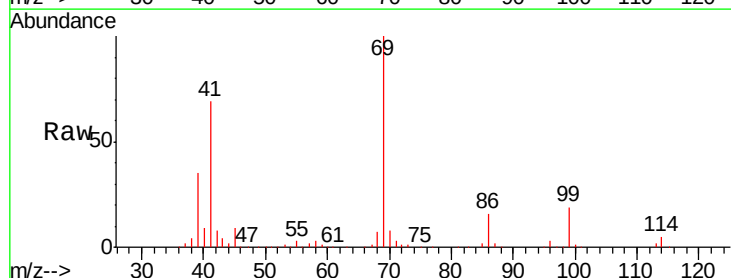
RT: 9.18 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VX005690.D

Acq: 30 Oct 2018 14:34

Tgt Ion:	69	Resp:	63450
Ion	Ratio	Lower	Upper
69	100		
41	71.1	57.0	85.6
39	34.3	28.3	42.5

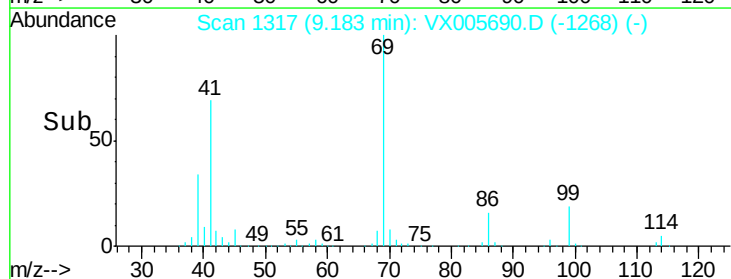
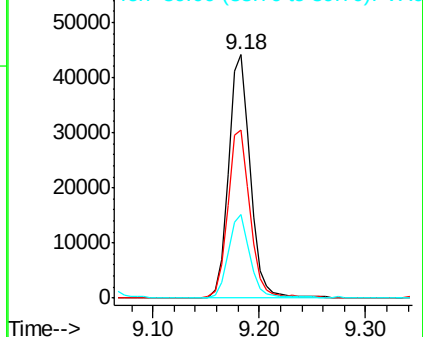


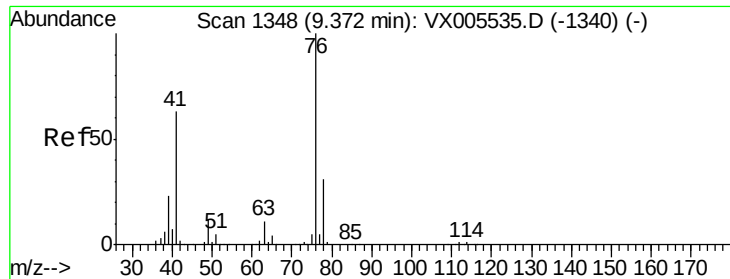
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





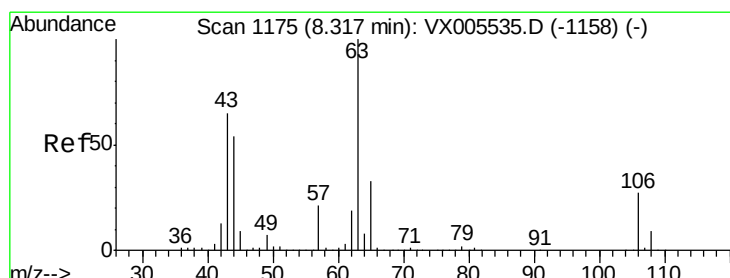
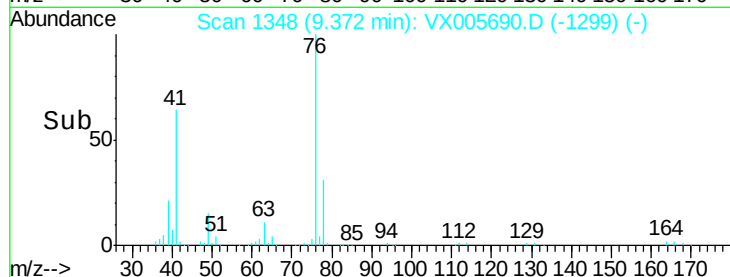
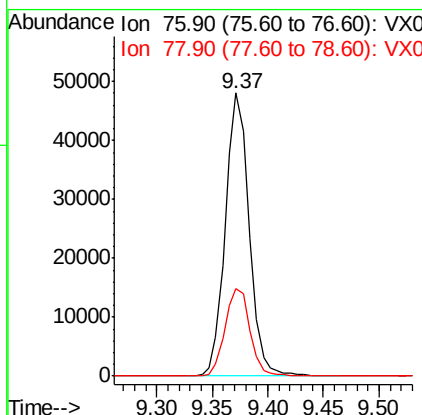
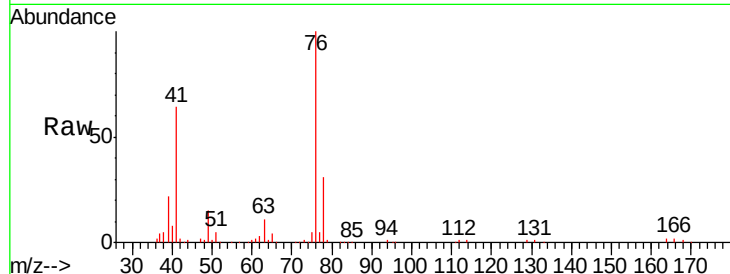
#57
 1,3-Dichloropropane
 Concen: 18.85 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX005690.D
 Acq: 30 Oct 2018 14:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1030WBSD01

Tgt Ion: 76 Resp: 71392
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.3 37.9

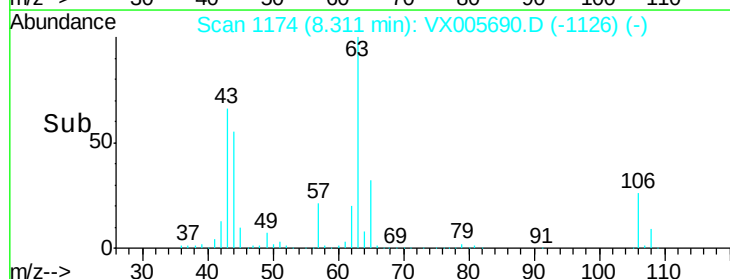
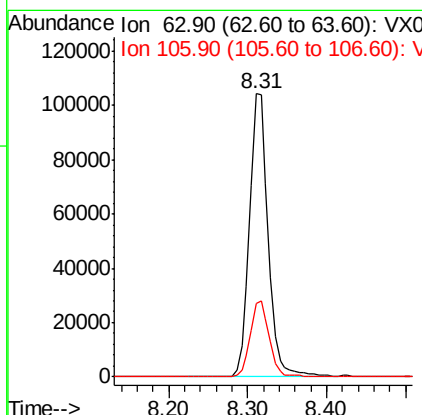
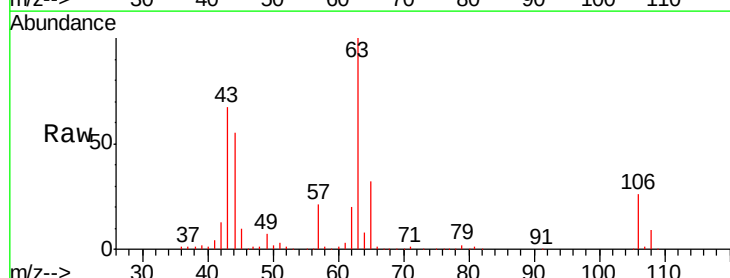
Manual Integrations
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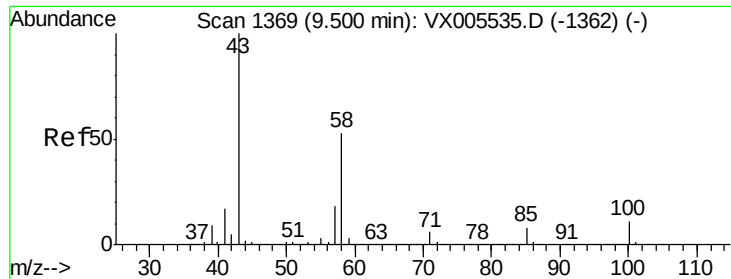
MMDadoda
 10/31/2018 11:07:12 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.51 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VX005690.D
 Acq: 30 Oct 2018 14:34

Tgt Ion: 63 Resp: 172472
 Ion Ratio Lower Upper
 63 100
 106 27.2 21.3 31.9





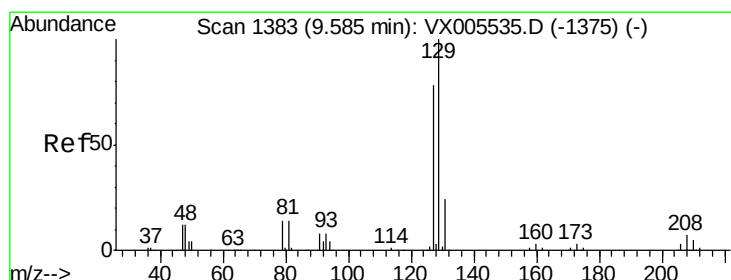
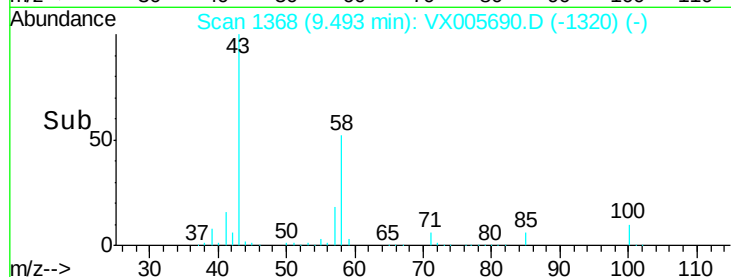
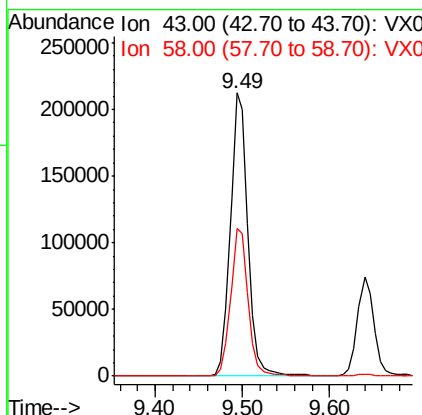
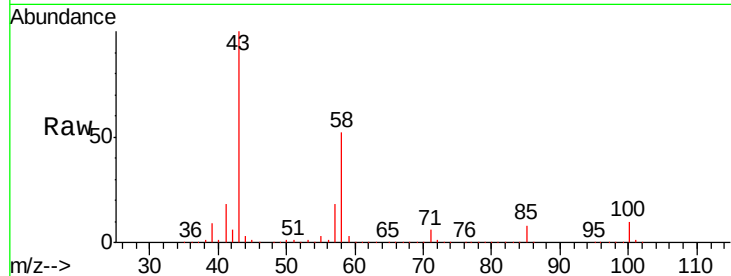
#59
2-Hexanone
Concen: 95.80 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005690.D
Acq: 30 Oct 2018 14:34

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBSD01

Tgt Ion: 43 Resp: 295741
Ion Ratio Lower Upper
43 100
58 52.4 25.9 77.8

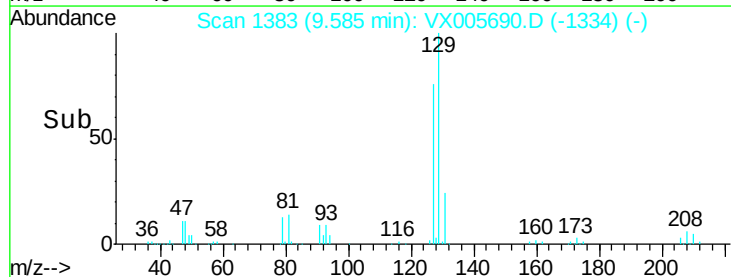
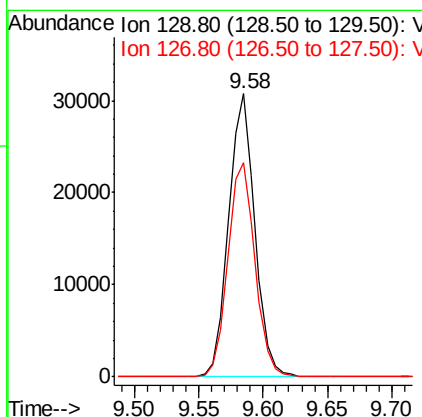
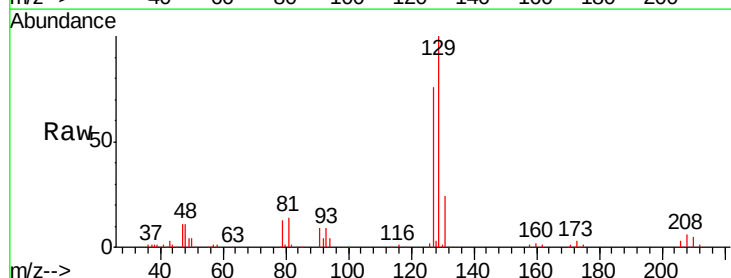
Manual Integrations
APPROVED

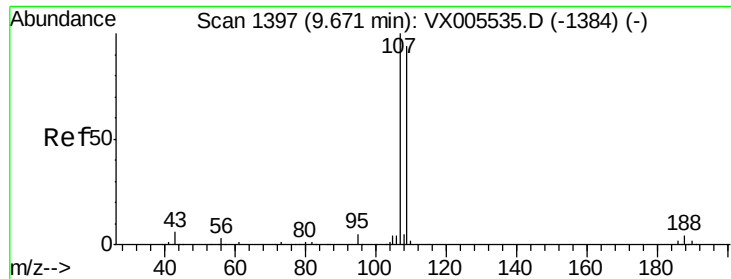
MMDadoda
10/31/2018 11:07:12 AM



#60
Dibromochloromethane
Concen: 18.84 ug/l
RT: 9.58 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005690.D
Acq: 30 Oct 2018 14:34

Tgt Ion: 129 Resp: 43994
Ion Ratio Lower Upper
129 100
127 78.3 38.9 116.7





#61

1,2-Dibromoethane

Concen: 19.89 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005690.D

Acq: 30 Oct 2018 14:34

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBSD01

Tgt Ion: 107 Resp: 46055

Ion Ratio Lower Upper

107 100

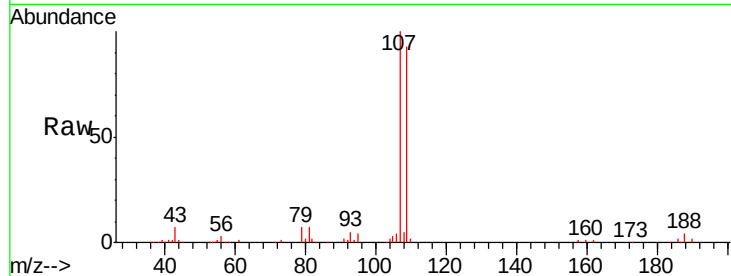
109 93.3 75.7 113.5

Manual Integrations

APPROVED

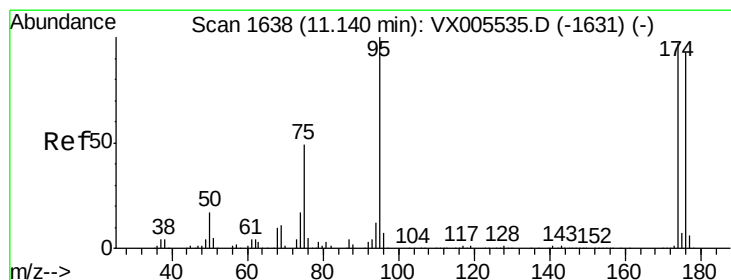
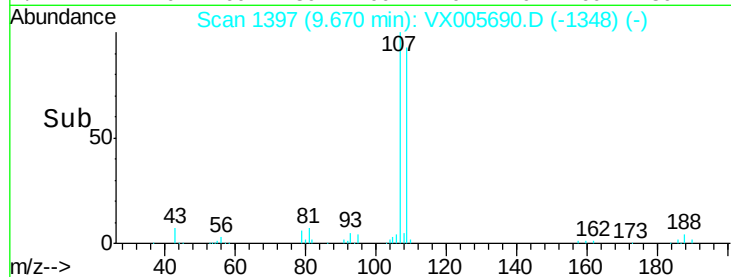
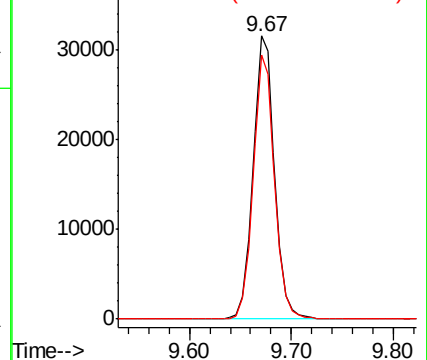
MMDadoda

10/31/2018 11:07:12 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 44.24 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005690.D

Acq: 30 Oct 2018 14:34

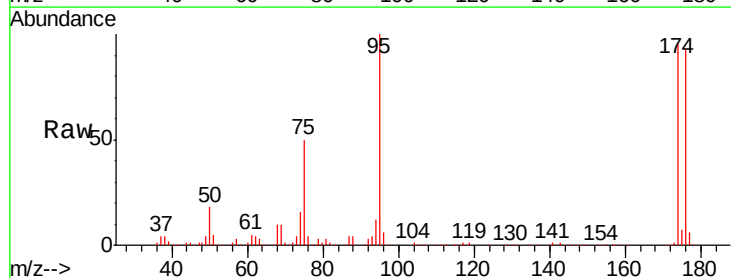
Tgt Ion: 95 Resp: 127619

Ion Ratio Lower Upper

95 100

174 92.8 0.0 184.4

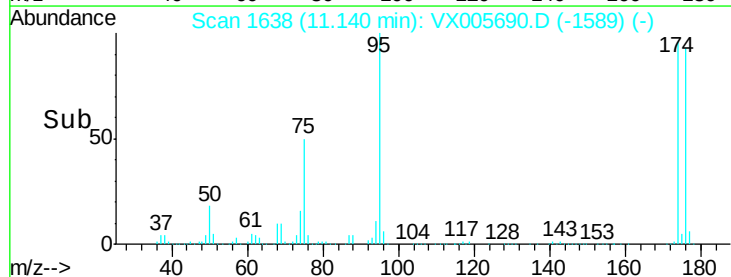
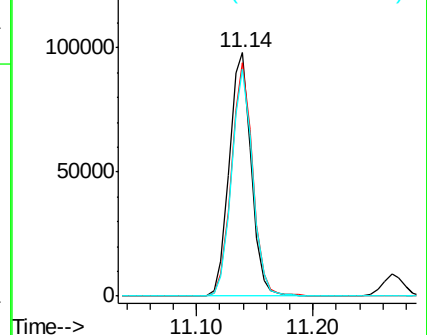
176 90.1 0.0 177.4

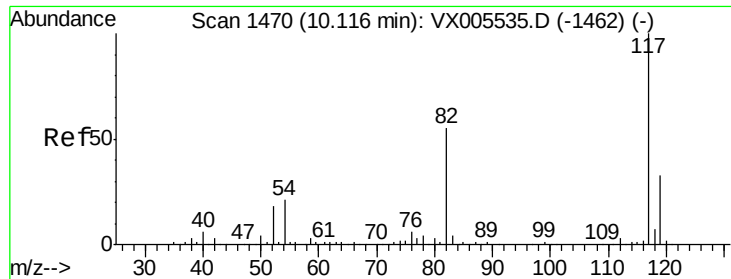


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





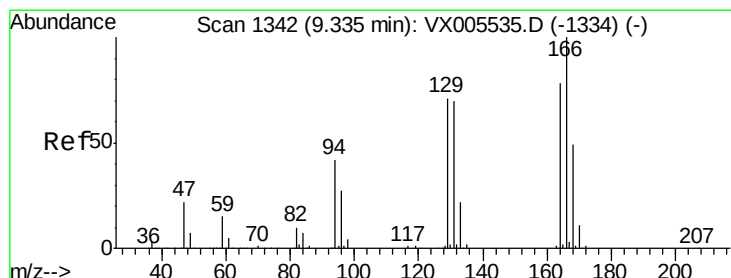
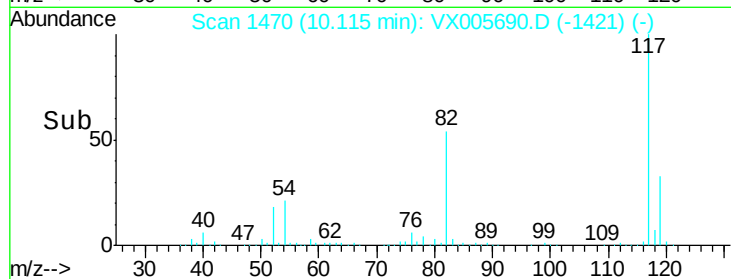
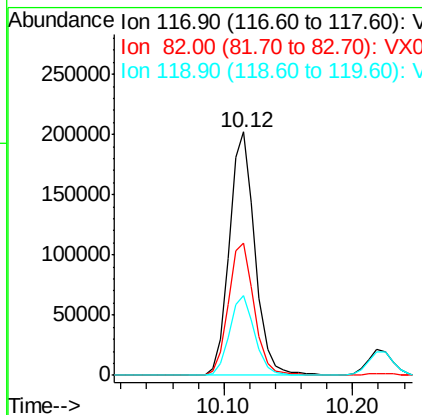
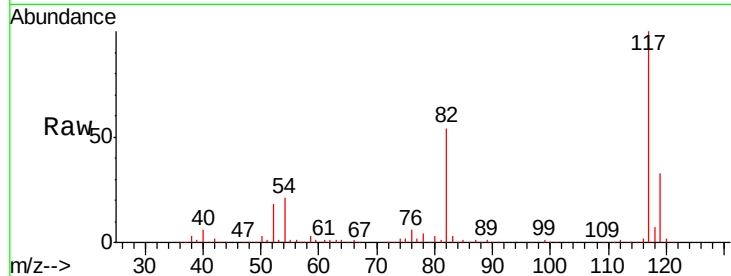
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005690.D
Acq: 30 Oct 2018 14:34

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	280811		
82	54.5	44.1	66.1	
119	32.7	26.2	39.2	

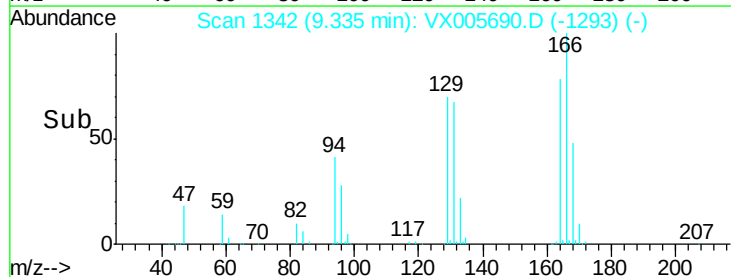
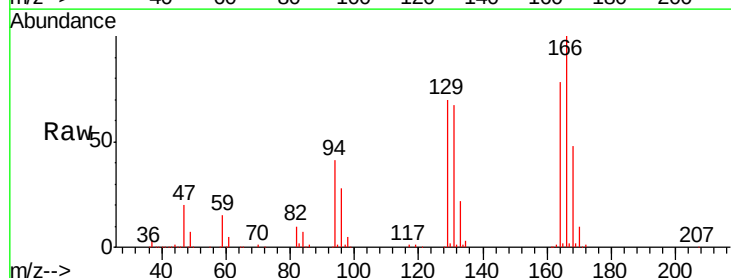
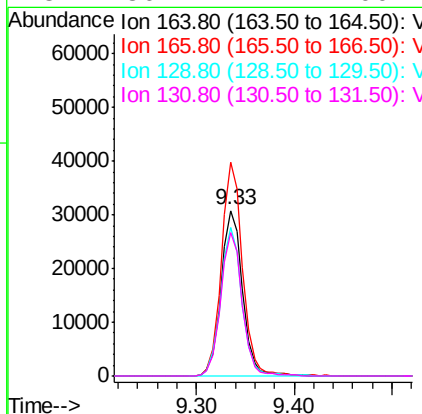
Manual Integrations
APPROVED

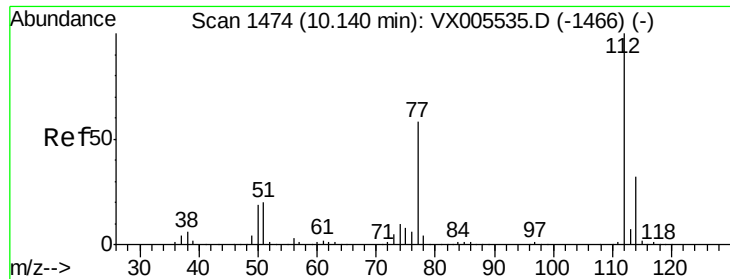
MMDadoda
10/31/2018 11:07:12 AM



#64
Tetrachloroethene
Concen: 20.13 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005690.D
Acq: 30 Oct 2018 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	46935		
166	129.0	101.9	152.9	
129	89.8	72.6	109.0	
131	86.7	71.1	106.7	





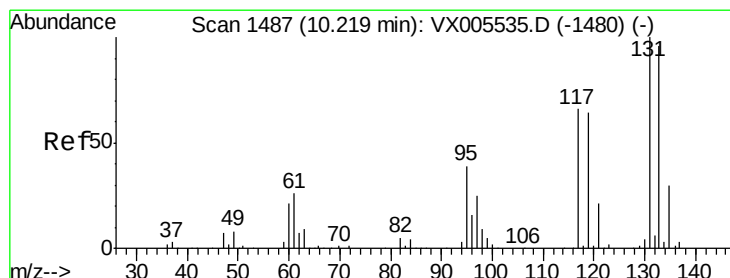
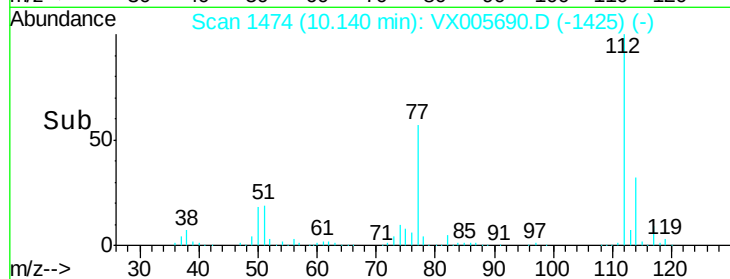
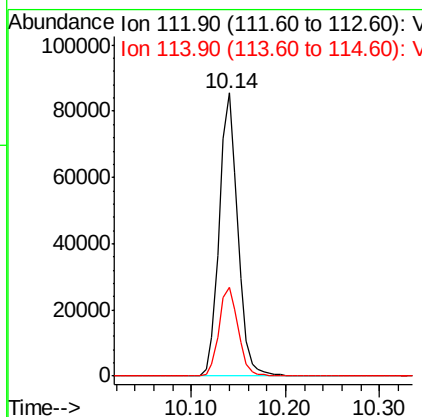
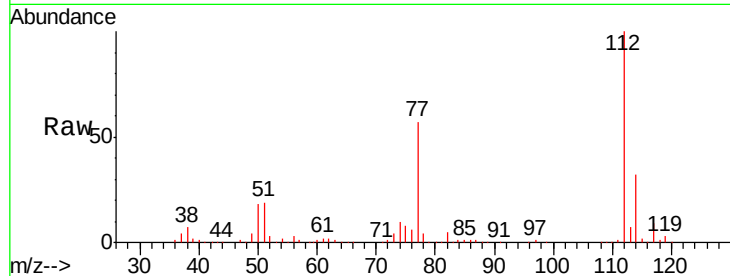
#65
Chlorobenzene
Concen: 19.58 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005690.D
Acq: 30 Oct 2018 14:34

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBSD01

Tgt Ion:112 Resp: 117066
Ion Ratio Lower Upper
112 100
114 31.6 25.8 38.6

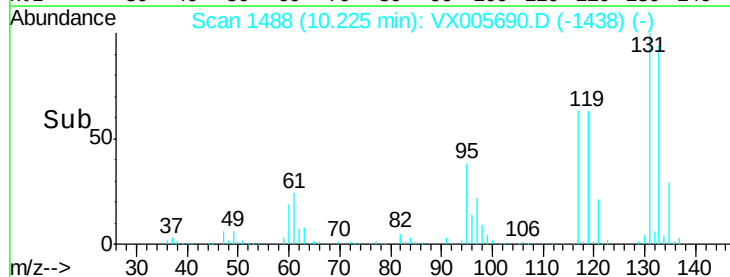
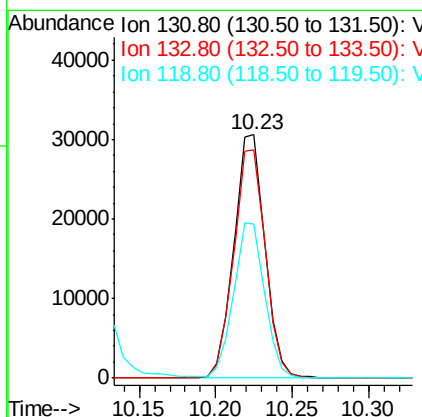
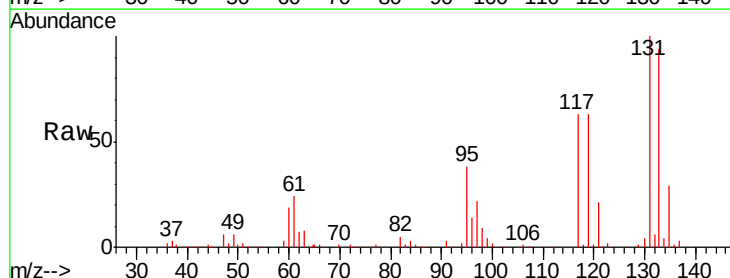
Manual Integrations
APPROVED

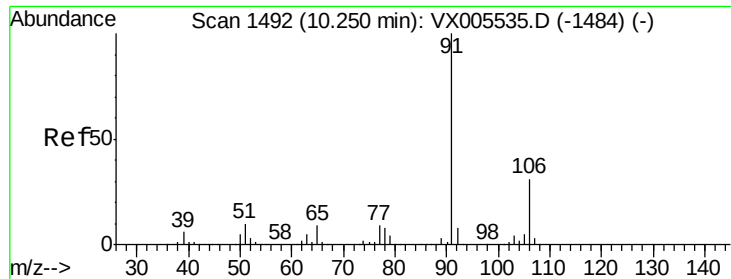
MMDadoda
10/31/2018 11:07:12 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.70 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VX005690.D
Acq: 30 Oct 2018 14:34

Tgt Ion:131 Resp: 42964
Ion Ratio Lower Upper
131 100
133 95.4 47.5 142.5
119 64.1 31.8 95.3





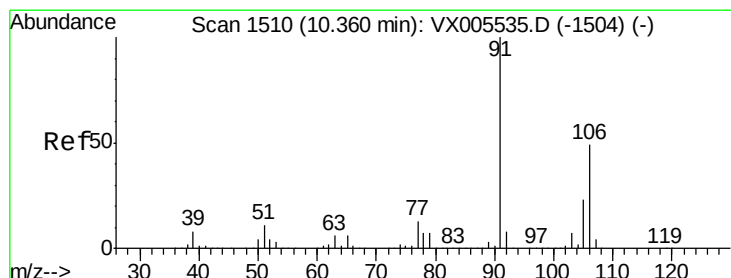
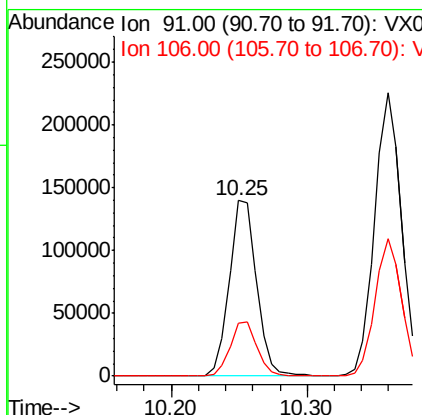
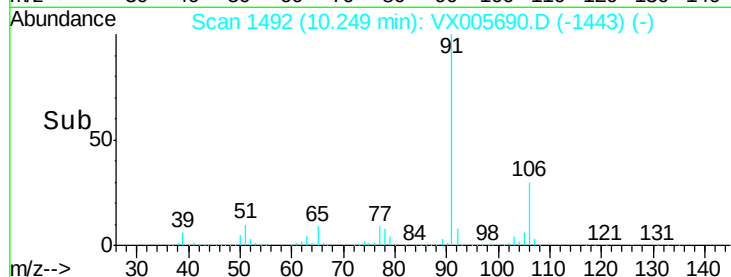
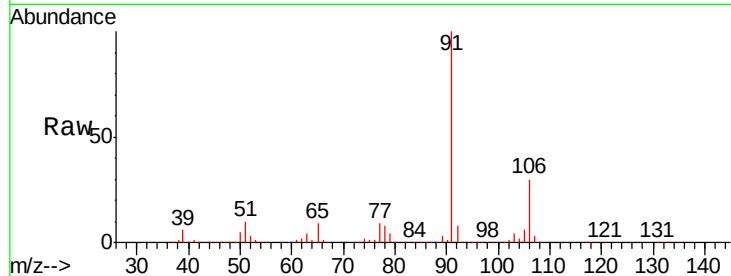
#67
Ethyl Benzene
Concen: 19.89 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX005690.D
Acq: 30 Oct 2018 14:34

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBSD01

Tgt Ion: 91 Resp: 195656
Ion Ratio Lower Upper
91 100
106 30.4 24.4 36.6

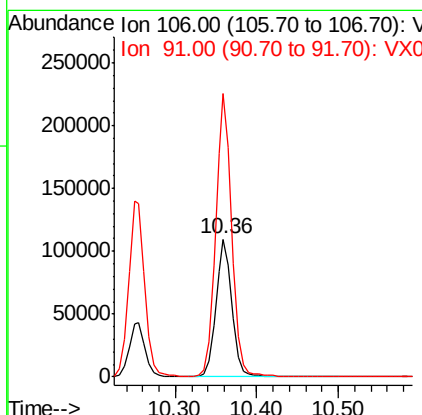
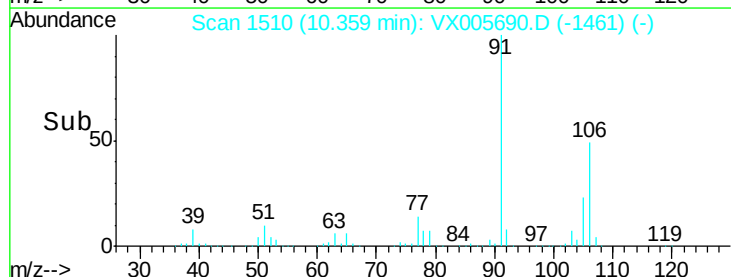
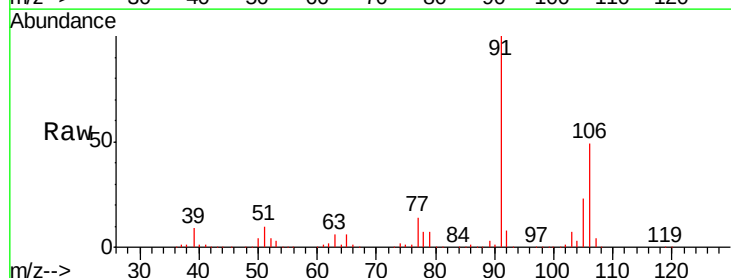
Manual Integrations
APPROVED

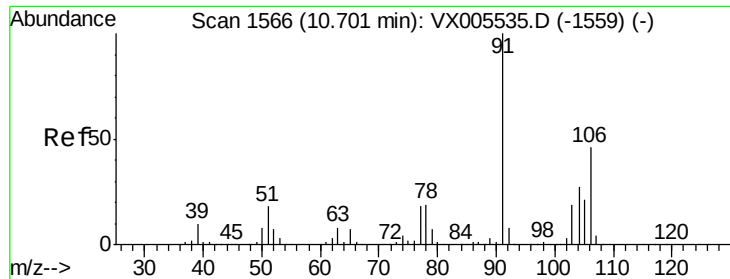
MMDadoda
10/31/2018 11:07:12 AM



#68
m/p-Xylenes
Concen: 39.68 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005690.D
Acq: 30 Oct 2018 14:34

Tgt Ion: 106 Resp: 151455
Ion Ratio Lower Upper
106 100
91 207.2 164.2 246.4





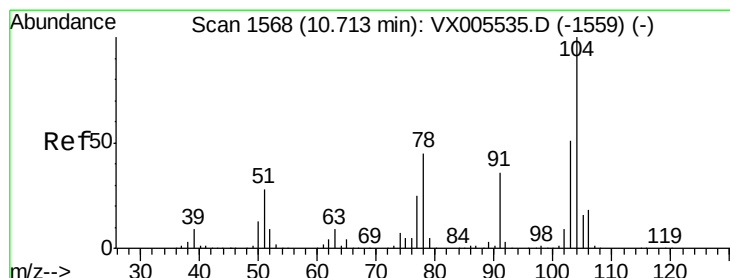
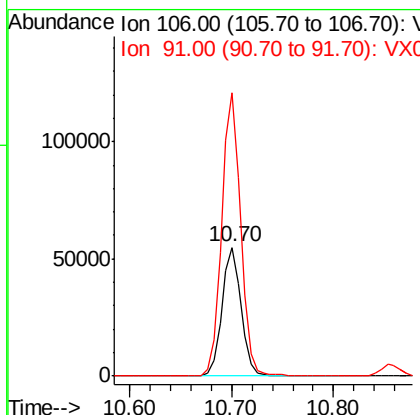
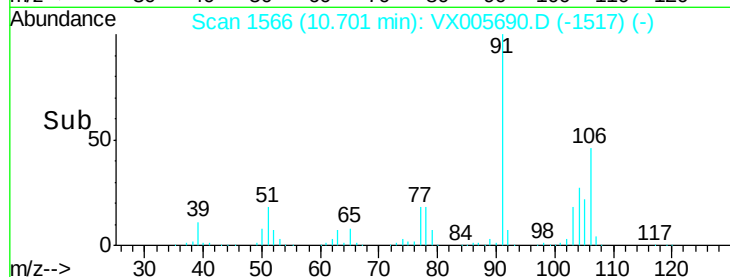
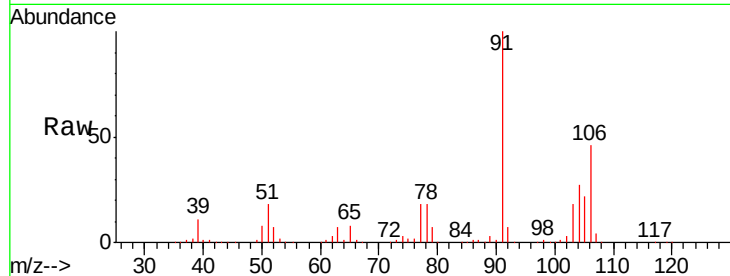
#69
o-Xylene
Concen: 20.00 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005690.D
Acq: 30 Oct 2018 14:34

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBSD01

Tgt Ion:106 Resp: 71822
Ion Ratio Lower Upper
106 100
91 218.9 108.5 325.5

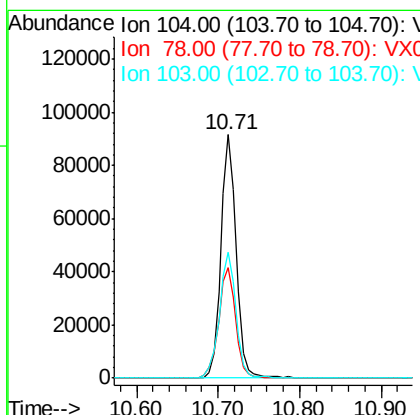
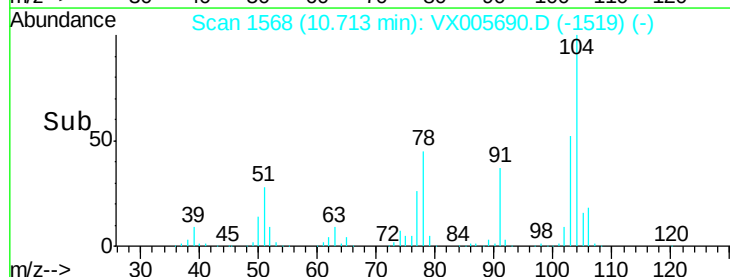
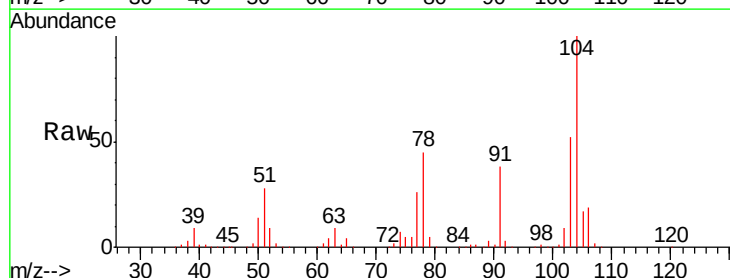
Manual Integrations
APPROVED

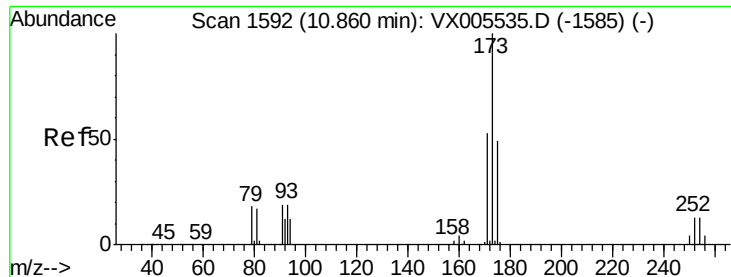
MMDadoda
10/31/2018 11:07:12 AM



#70
Styrene
Concen: 19.99 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005690.D
Acq: 30 Oct 2018 14:34

Tgt Ion:104 Resp: 120181
Ion Ratio Lower Upper
104 100
78 50.6 40.2 60.4
103 56.4 44.9 67.3





#71

Bromoform

Concen: 18.75 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005690.D

Acq: 30 Oct 2018 14:34

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBSD01

Tgt Ion:173 Resp: 36477

Ion Ratio Lower Upper

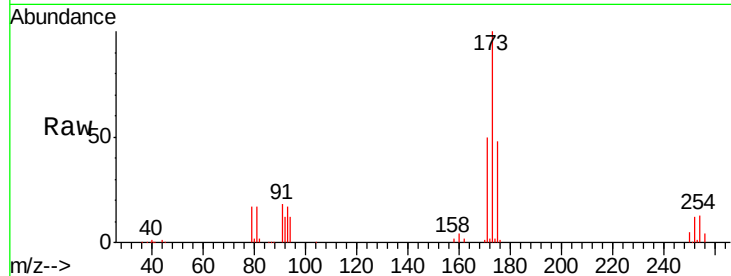
173 100

175 48.9 24.8 74.3

254 0.1 0.2 0.2#

Manual Integrations
APPROVED

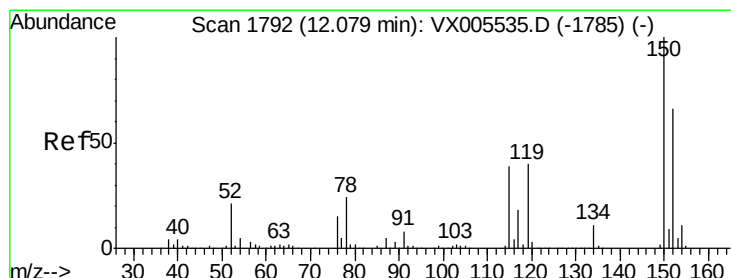
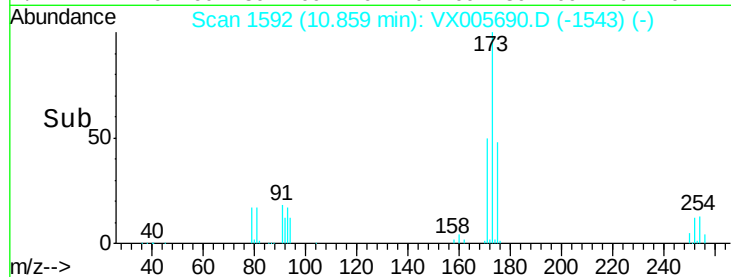
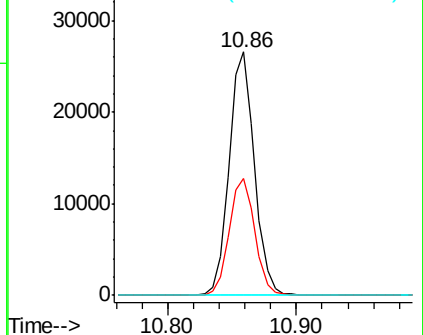
MMDadoda
10/31/2018 11:07:12 AM



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: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005690.D

Acq: 30 Oct 2018 14:34

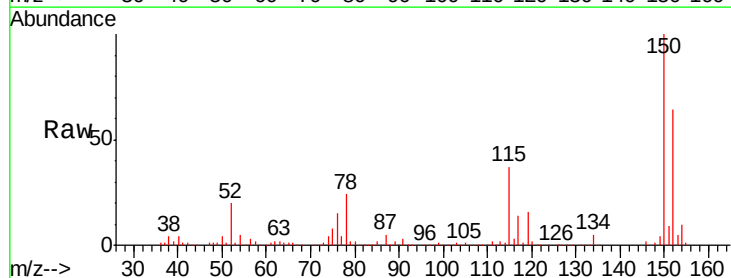
Tgt Ion:152 Resp: 155585

Ion Ratio Lower Upper

152 100

115 63.6 39.4 118.1

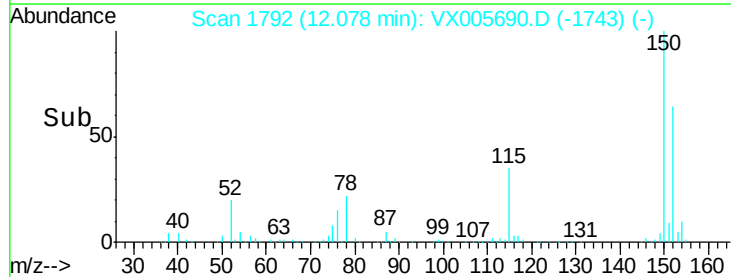
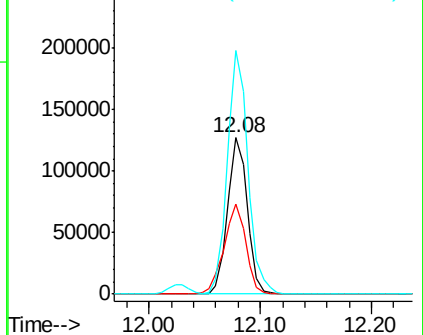
150 162.2 0.0 346.4

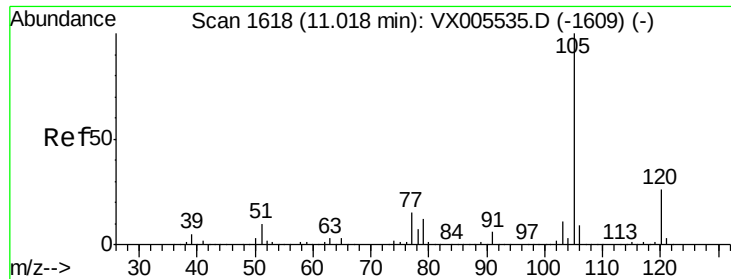


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





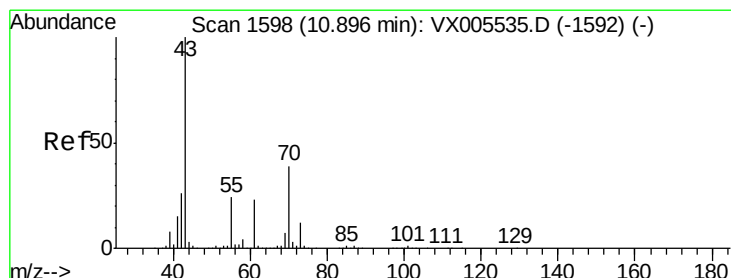
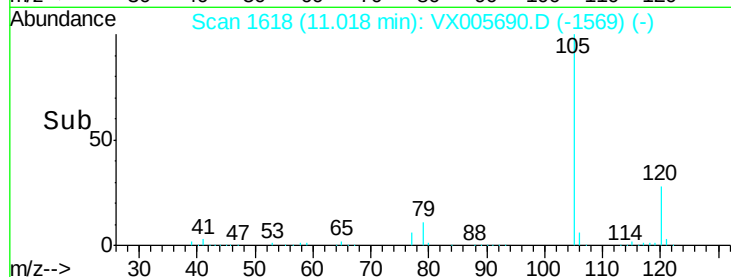
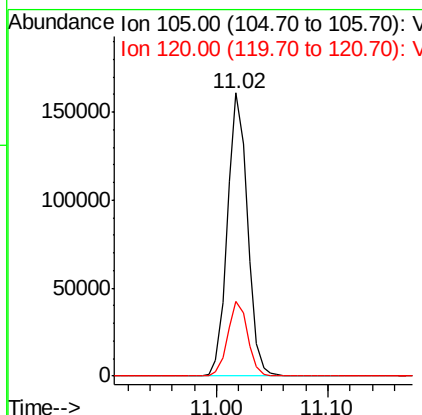
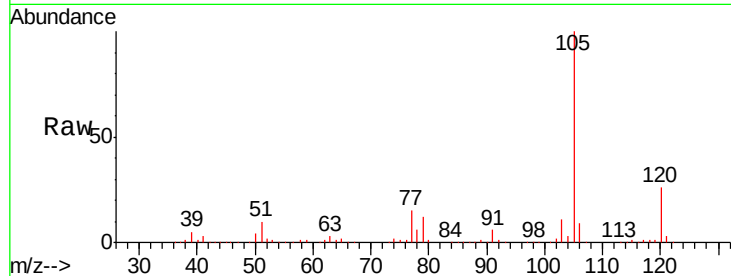
#73
Isopropylbenzene
Concen: 21.12 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX005690.D
Acq: 30 Oct 2018 14:34

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBSD01

Tgt Ion: 105 Resp: 200822
Ion Ratio Lower Upper
105 100
120 26.4 13.1 39.3

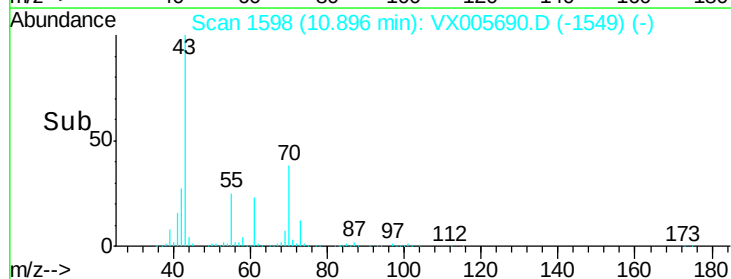
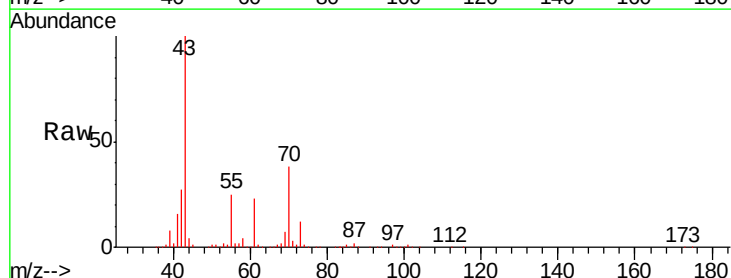
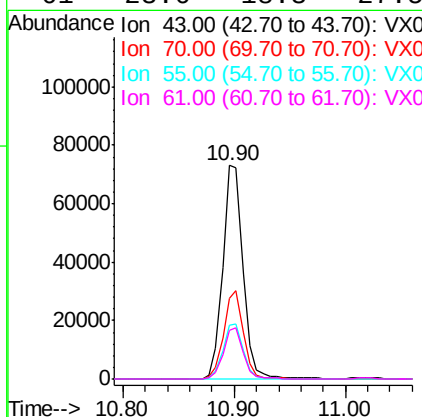
Manual Integrations
APPROVED

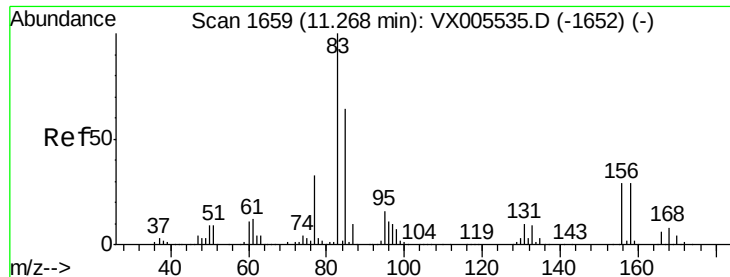
MMDadoda
10/31/2018 11:07:12 AM



#74
N-ethyl acetate
Concen: 19.59 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX005690.D
Acq: 30 Oct 2018 14:34

Tgt Ion: 43 Resp: 92339
Ion Ratio Lower Upper
43 100
70 40.3 31.6 47.4
55 25.6 19.7 29.5
61 23.6 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.70 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005690.D

Acq: 30 Oct 2018 14:34

Instrument :

MSVOA_X

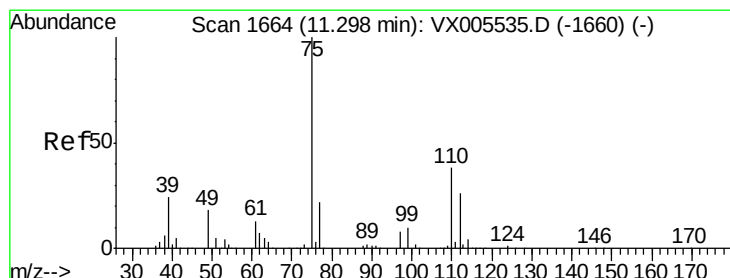
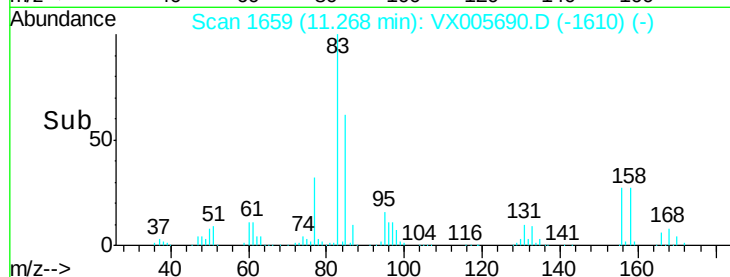
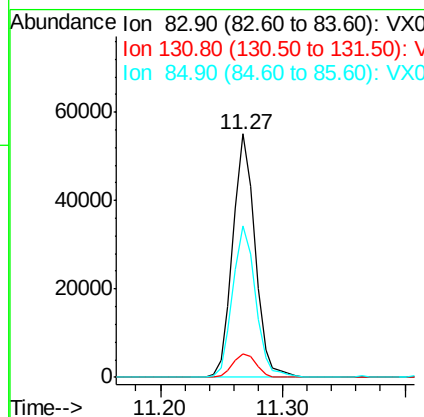
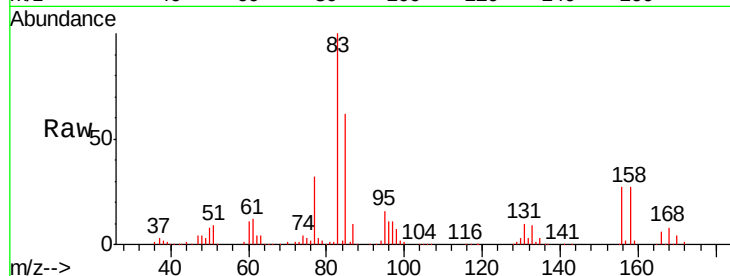
ClientSampleId :

VX1030WBSD01

Tgt Ion:	83	Resp:	69107
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.3	15.9
85	64.3	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
10/31/2018 11:07:12 AM



#76

1,2,3-Trichloropropane

Concen: 19.92 ug/l m

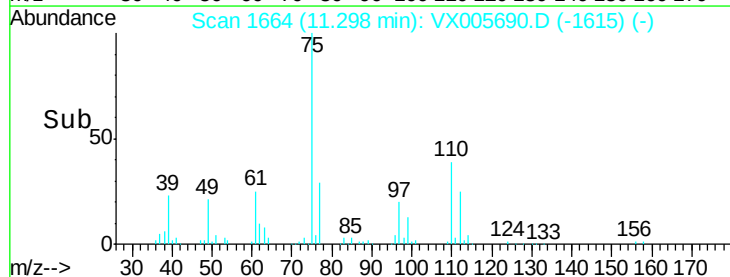
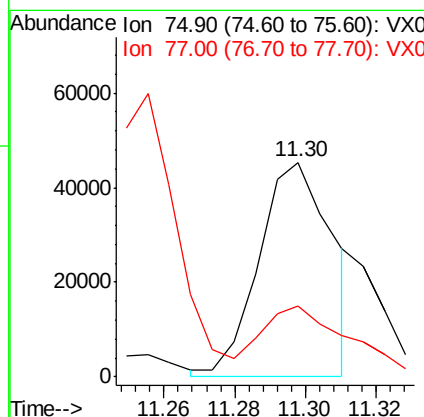
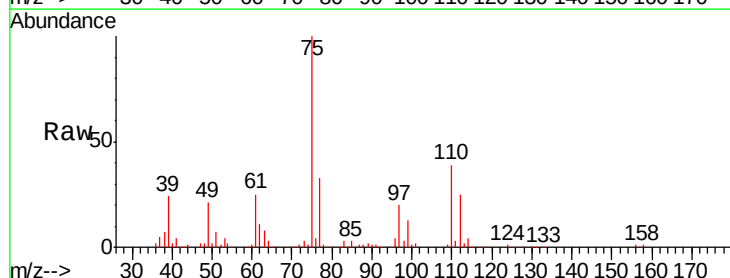
RT: 11.30 min Scan# 1664

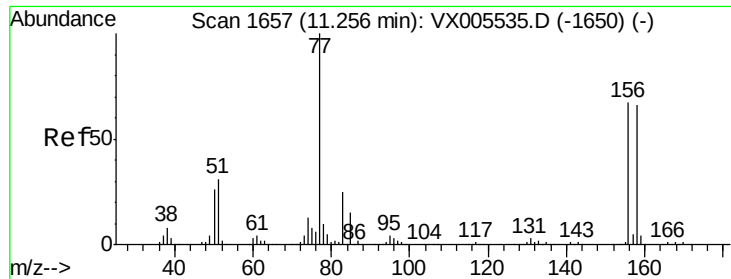
Delta R.T. -0.00 min

Lab File: VX005690.D

Acq: 30 Oct 2018 14:34

Tgt Ion:	75	Resp:	65669
Ion Ratio	Lower	Upper	
75	100		
77	39.6	20.5	61.6





#77

Bromobenzene

Concen: 20.74 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005690.D

Acq: 30 Oct 2018 14:34

Instrument :

MSVOA_X

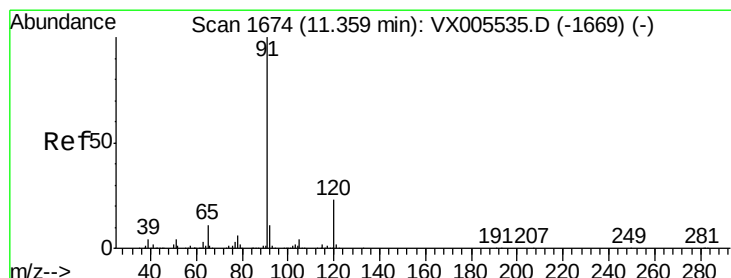
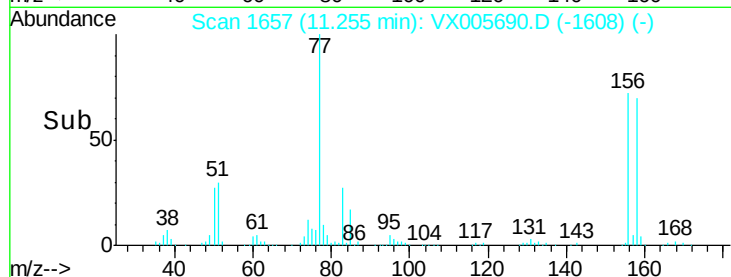
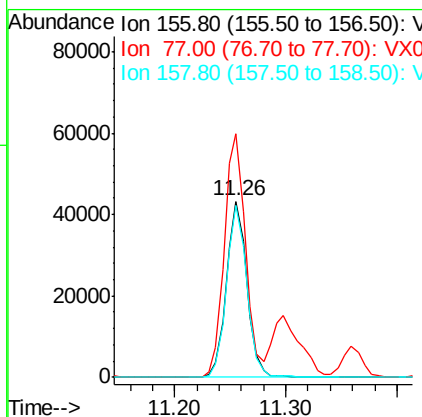
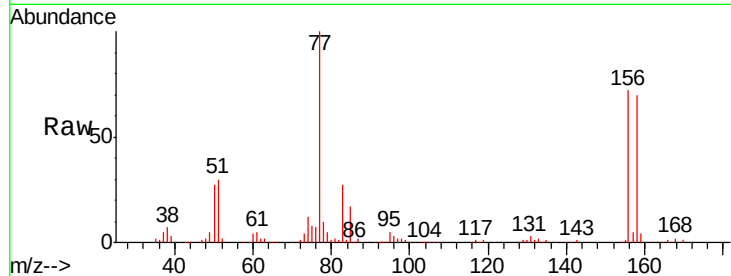
ClientSampleId :

VX1030WBSD01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	143.3	74.8	224.4
158	96.9	49.1	147.3

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#78

n-propylbenzene

Concen: 21.01 ug/l

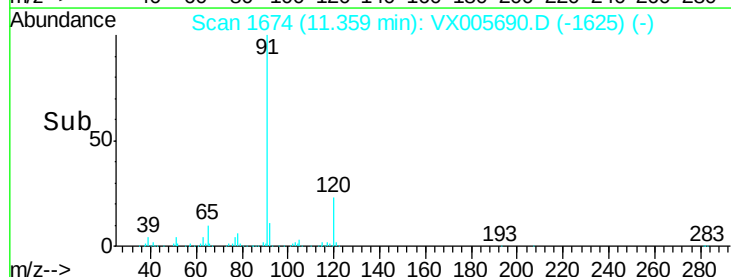
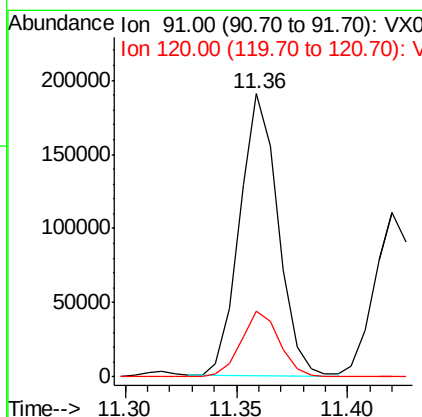
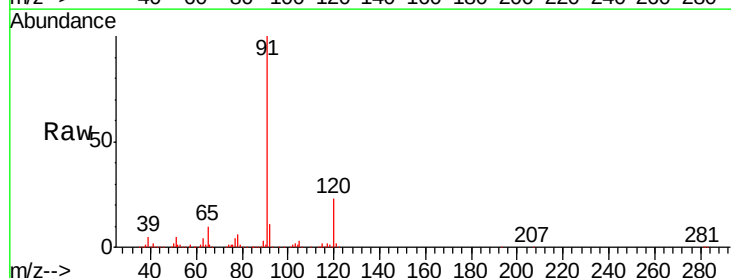
RT: 11.36 min Scan# 1674

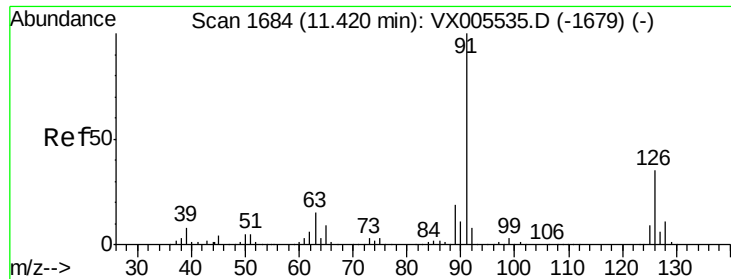
Delta R.T. -0.00 min

Lab File: VX005690.D

Acq: 30 Oct 2018 14:34

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.9	35.5





#79

2-Chlorotoluene

Concen: 20.39 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005690.D

Acq: 30 Oct 2018 14:34

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBSD01

Tgt Ion: 91 Resp: 137509

Ion Ratio Lower Upper

91 100

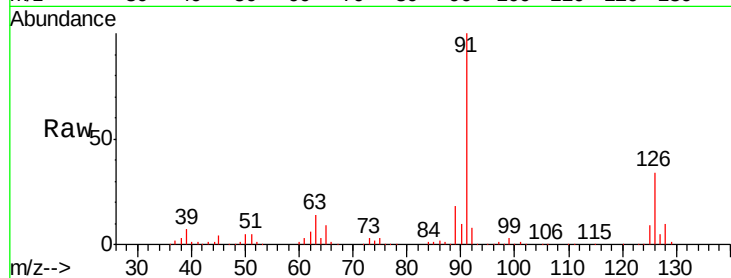
126 34.9 17.3 52.0

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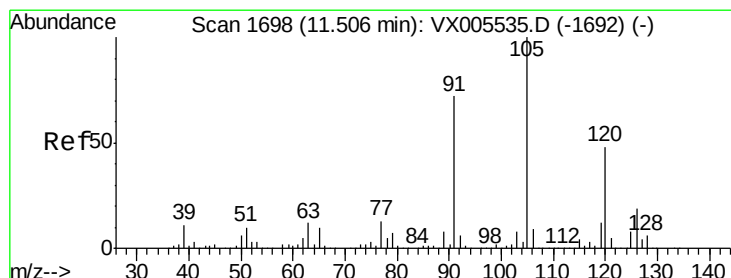
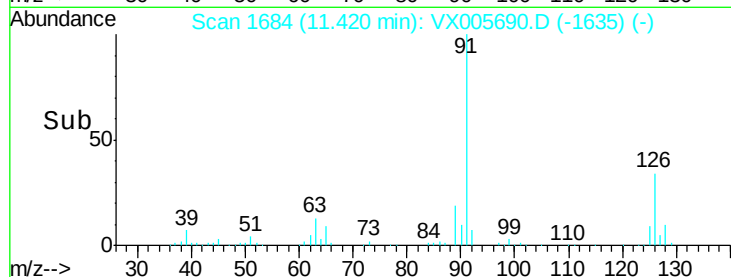
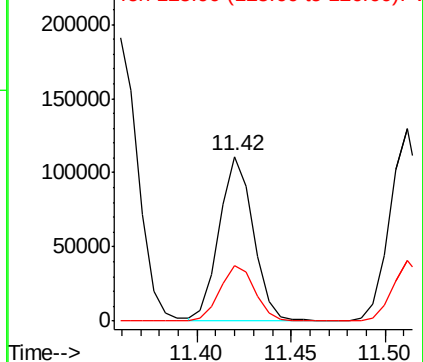
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.94 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005690.D

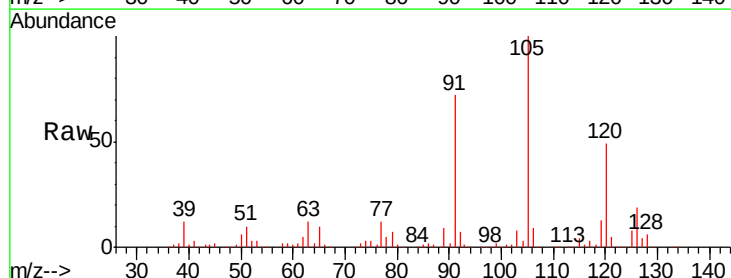
Acq: 30 Oct 2018 14:34

Tgt Ion: 105 Resp: 170381

Ion Ratio Lower Upper

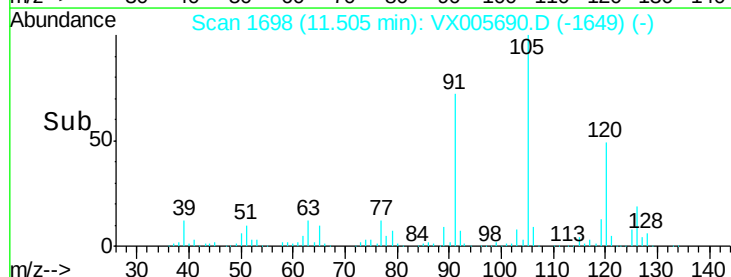
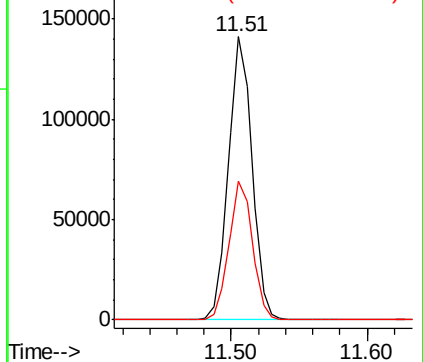
105 100

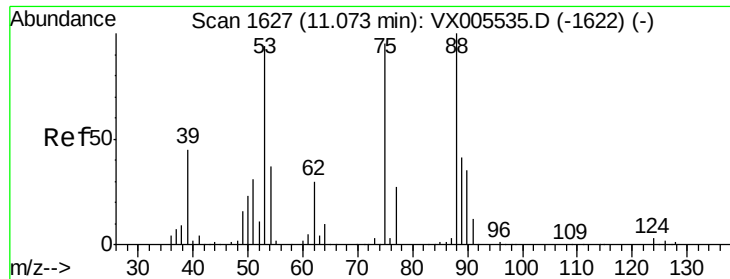
120 48.9 24.1 72.2



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: 20.03 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005690.D

Acq: 30 Oct 2018 14:34

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBSD01

Tgt Ion: 75 Resp: 20208

Ion Ratio Lower Upper

75 100

53 100.8 80.2 120.2

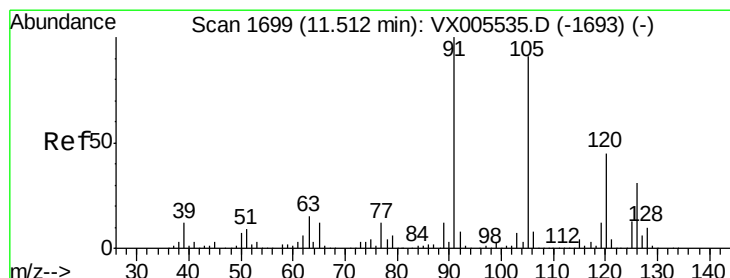
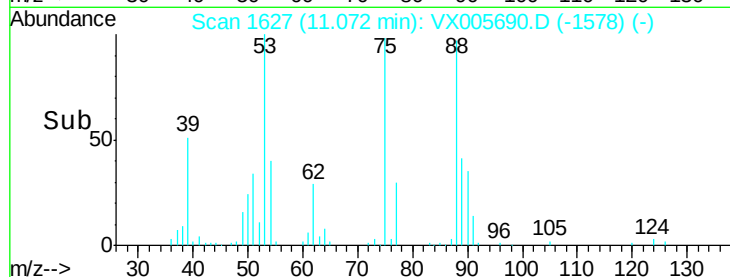
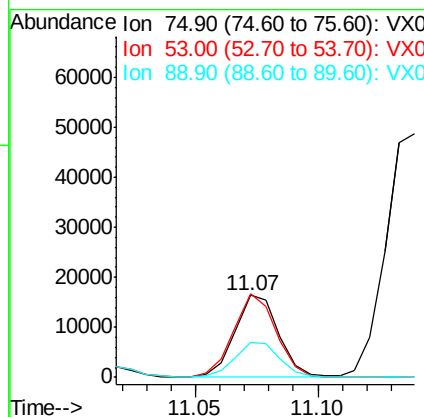
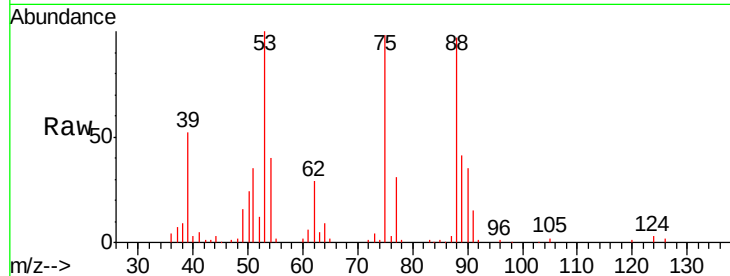
89 44.1 39.8 59.8

Manual Integrations

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#82

4-Chlorotoluene

Concen: 20.31 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005690.D

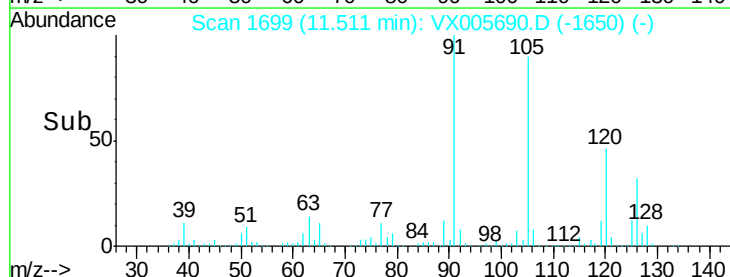
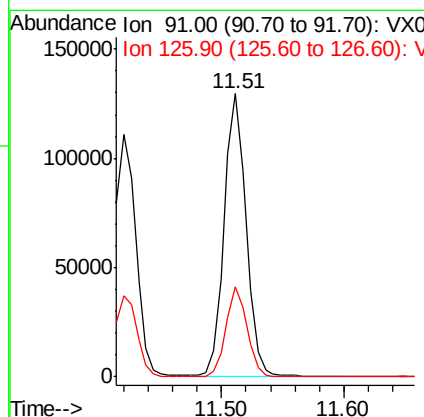
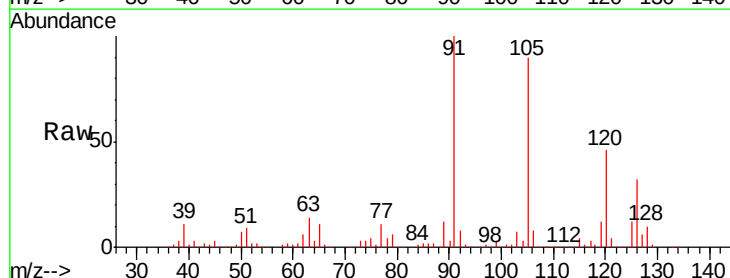
Acq: 30 Oct 2018 14:34

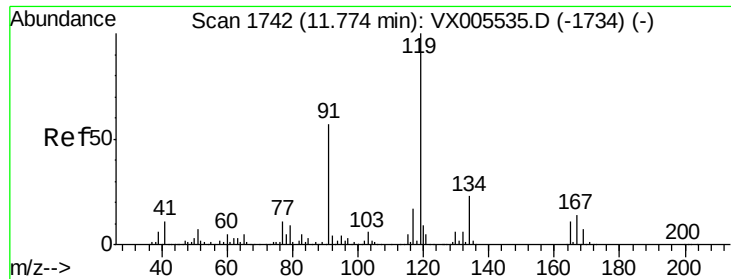
Tgt Ion: 91 Resp: 161514

Ion Ratio Lower Upper

91 100

126 30.6 15.2 45.6





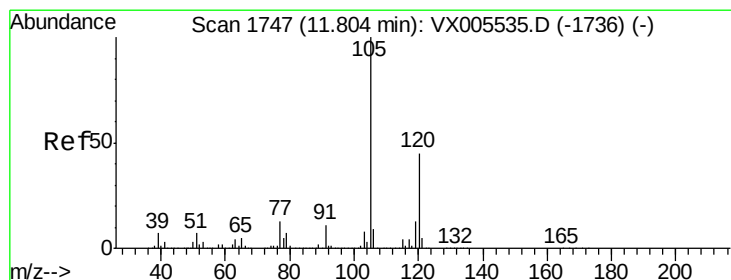
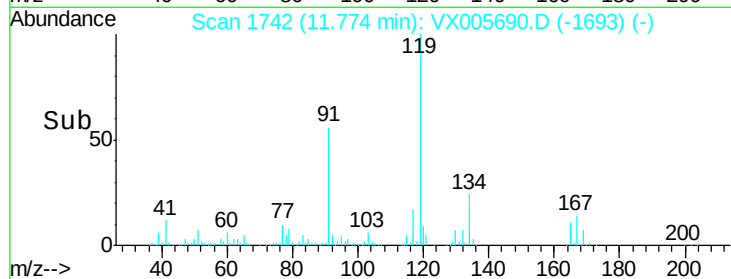
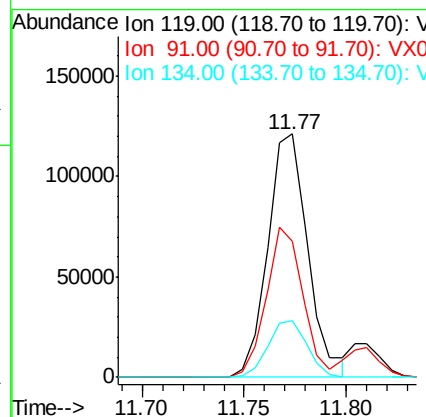
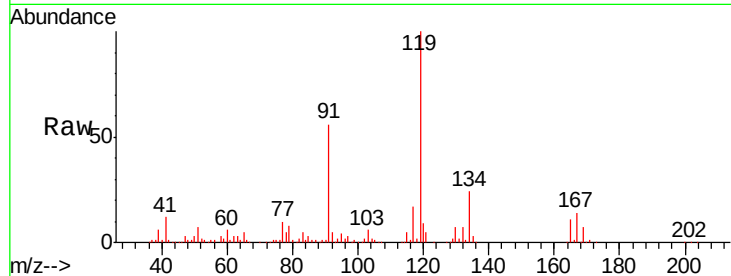
#83
 tert-Butylbenzene
 Concen: 20.44 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX005690.D
 Acq: 30 Oct 2018 14:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1030WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	165767		
91	56.7	28.5	85.5	
134	23.0	11.3	33.8	

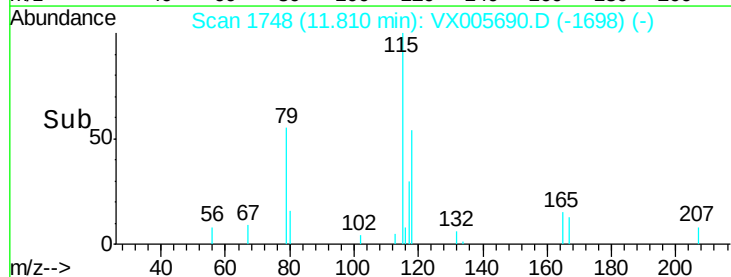
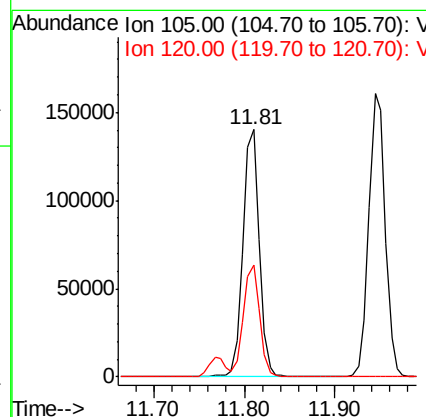
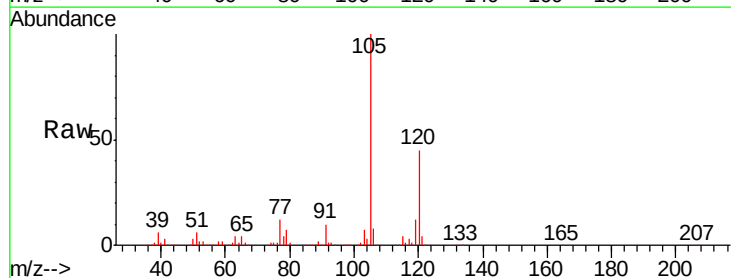
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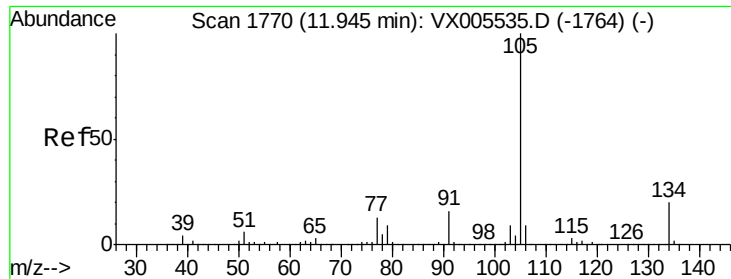
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.26 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.01 min
 Lab File: VX005690.D
 Acq: 30 Oct 2018 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	175285		
120	44.8	22.4	67.0	





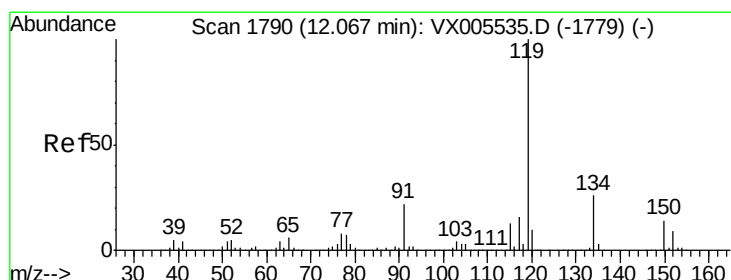
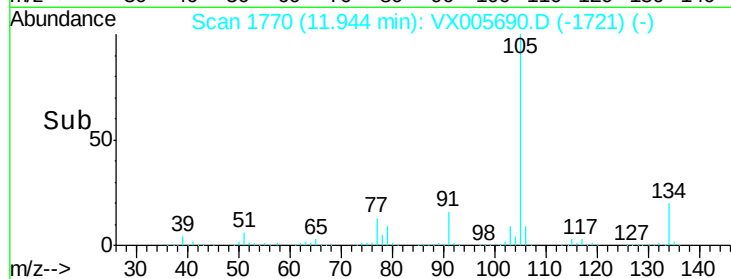
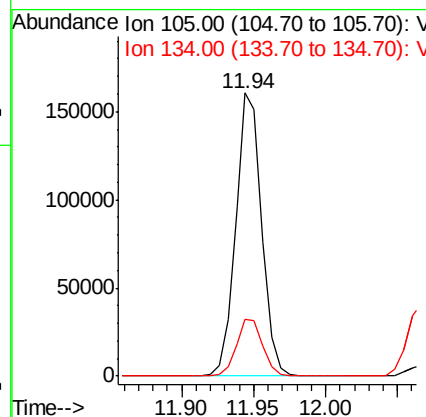
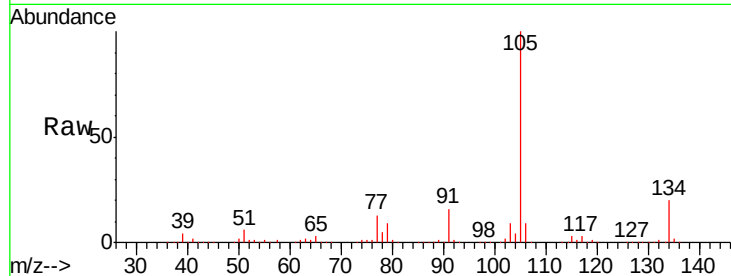
#85
 sec-Butylbenzene
 Concen: 20.84 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX005690.D
 Acq: 30 Oct 2018 14:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1030WBSD01

Tgt Ion:105 Resp: 201683
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.2 30.4

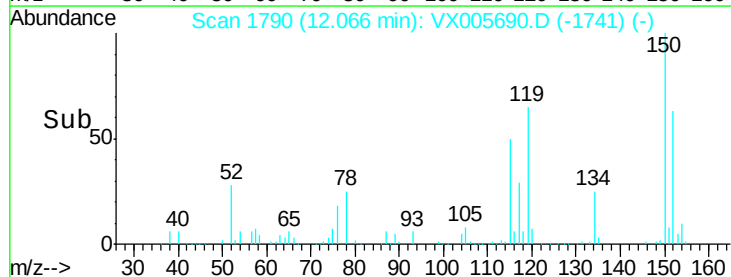
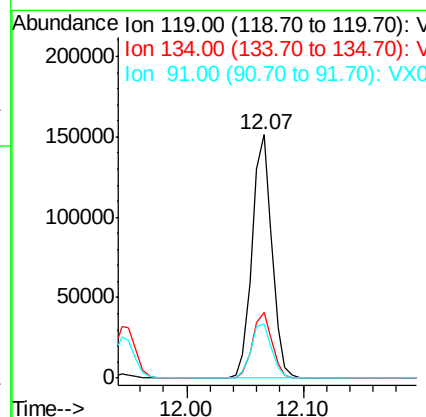
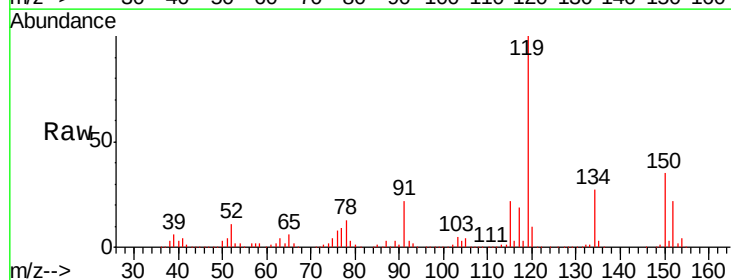
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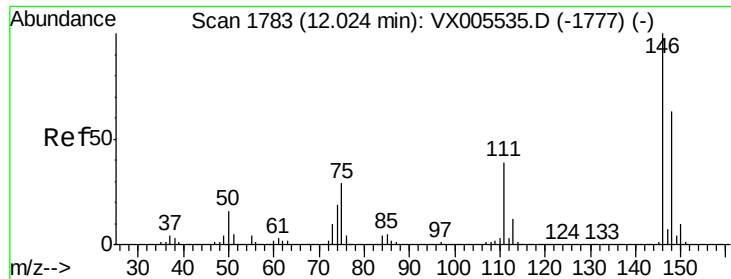
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#86
 p-Isopropyltoluene
 Concen: 20.73 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX005690.D
 Acq: 30 Oct 2018 14:34

Tgt Ion:119 Resp: 179355
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.0 39.0
 91 23.6 11.4 34.2





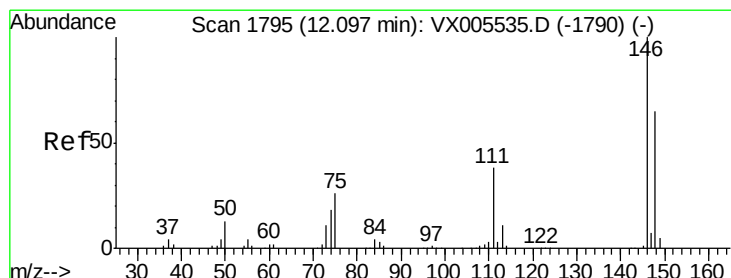
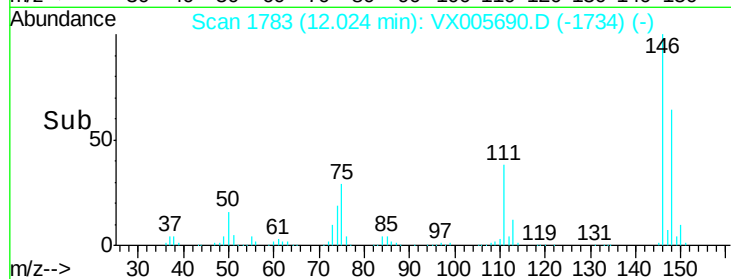
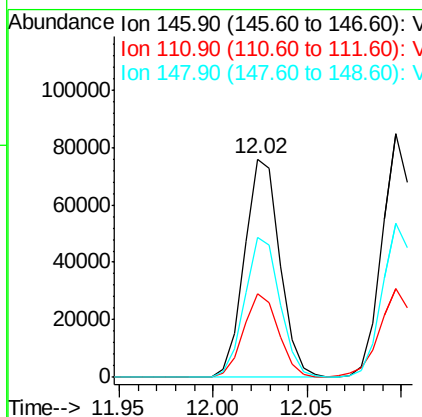
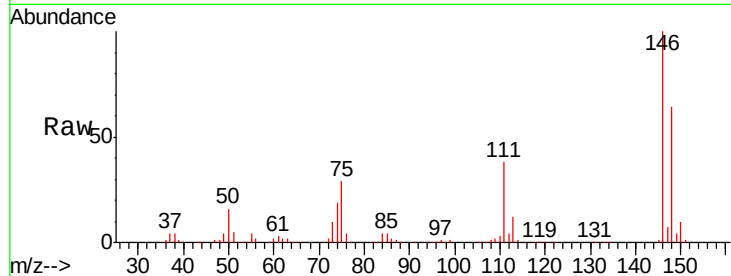
#87
 1,3-Dichlorobenzene
 Concen: 19.91 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005690.D
 Acq: 30 Oct 2018 14:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1030WBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.0	57.0
148	63.7	31.9	95.9

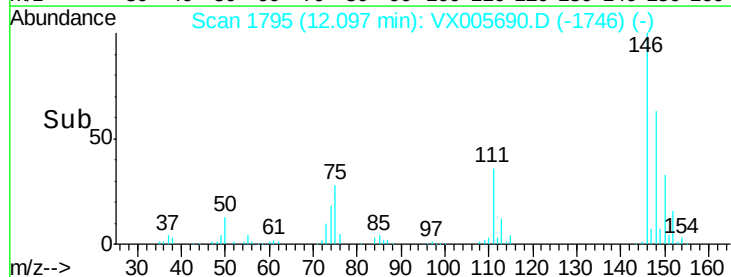
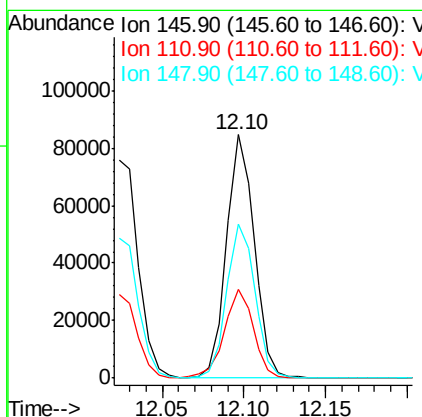
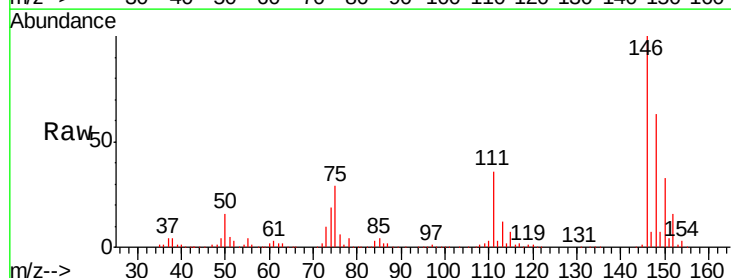
Manual Integrations
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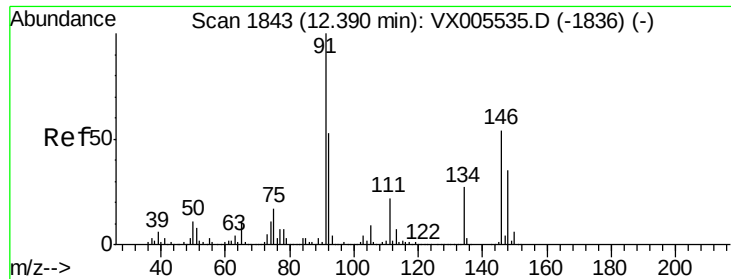
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#88
 1,4-Dichlorobenzene
 Concen: 19.39 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005690.D
 Acq: 30 Oct 2018 14:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.6	55.8
148	64.8	32.1	96.3





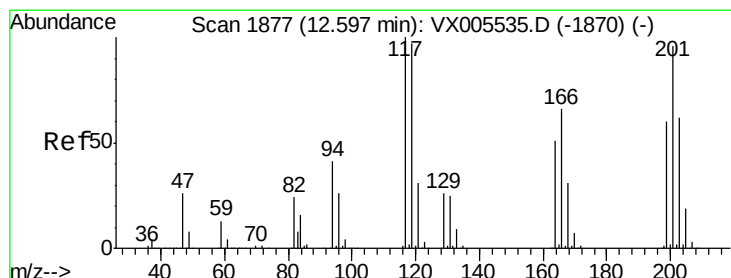
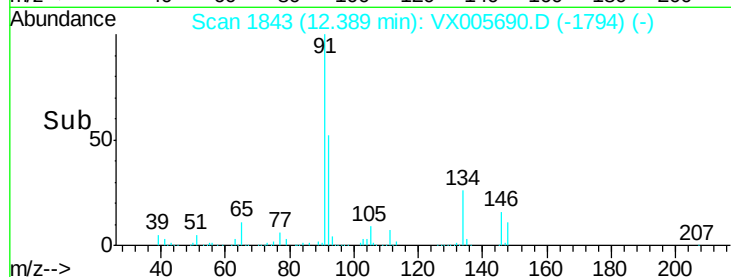
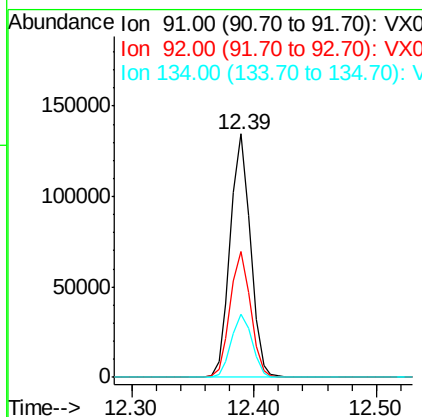
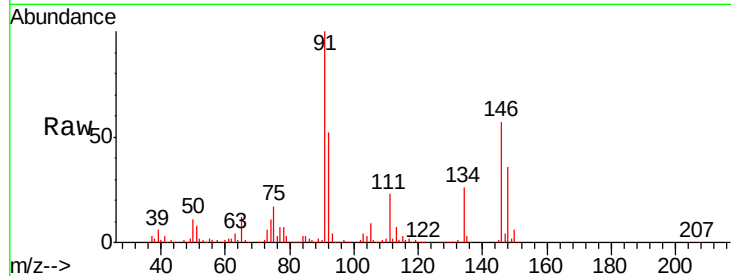
#89
n-Butylbenzene
Concen: 19.67 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005690.D
Acq: 30 Oct 2018 14:34

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBSD01

Tgt Ion: 91 Resp: 153632
Ion Ratio Lower Upper
91 100
92 52.1 26.1 78.2
134 26.5 13.1 39.3

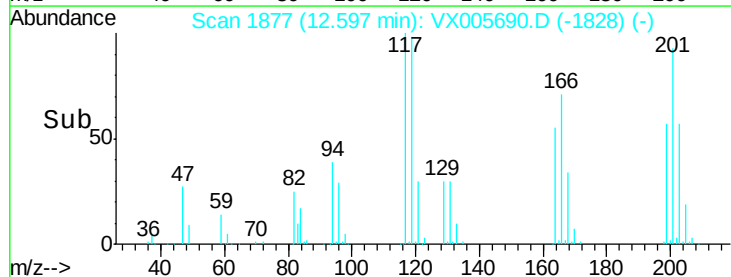
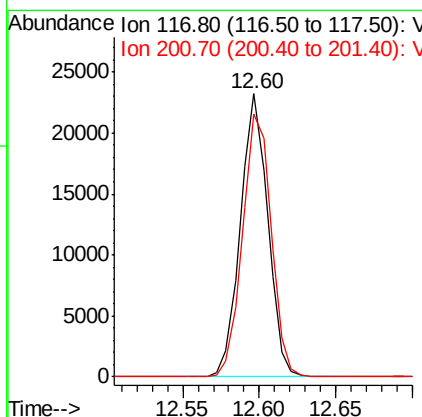
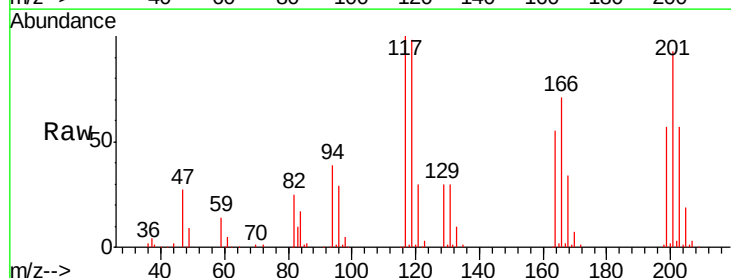
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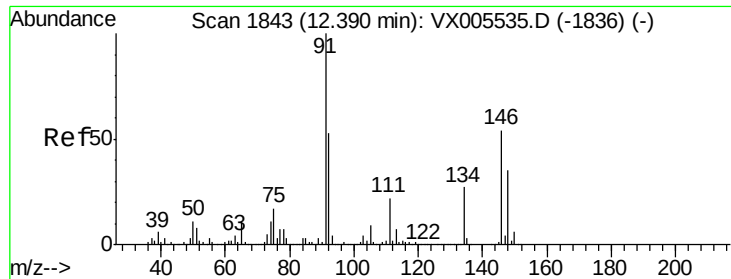
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#90
Hexachloroethane
Concen: 19.31 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005690.D
Acq: 30 Oct 2018 14:34

Tgt Ion: 117 Resp: 28810
Ion Ratio Lower Upper
117 100
201 97.3 47.9 143.6





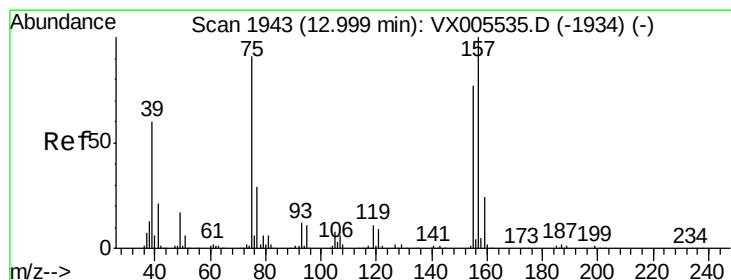
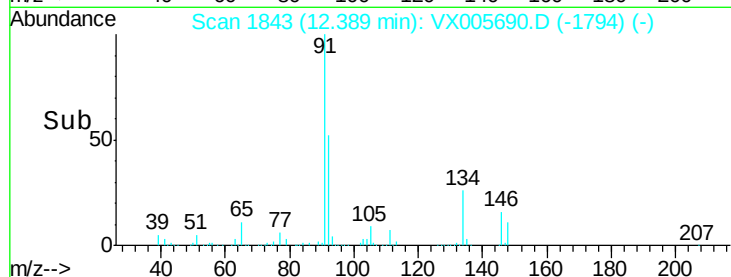
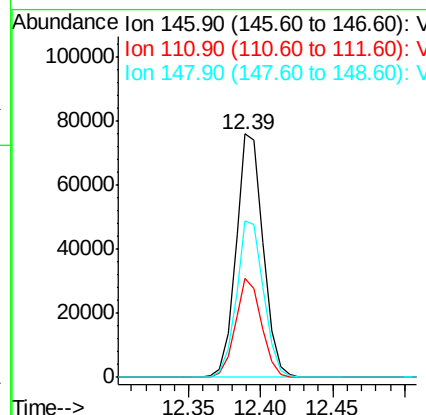
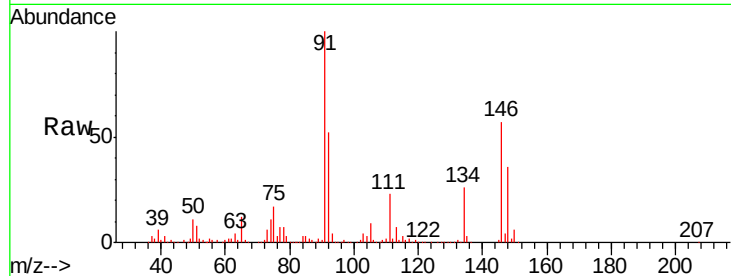
#91
 1,2-Dichlorobenzene
 Concen: 19.83 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005690.D
 Acq: 30 Oct 2018 14:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1030WBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.0	59.9
148	64.4	32.2	96.6

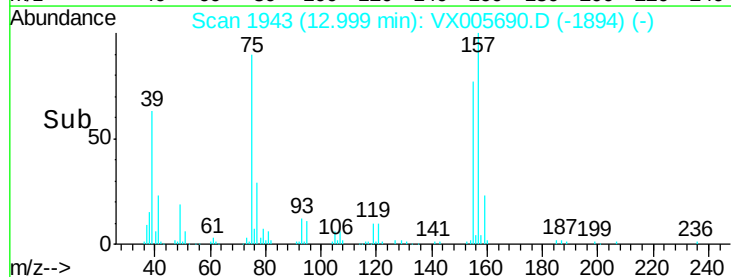
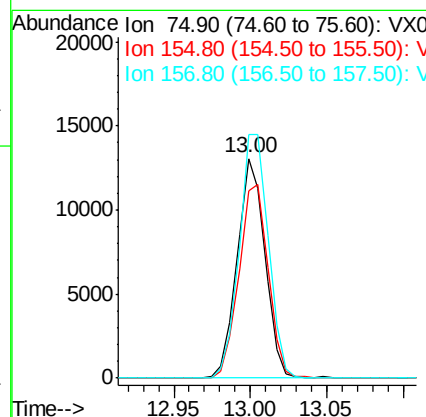
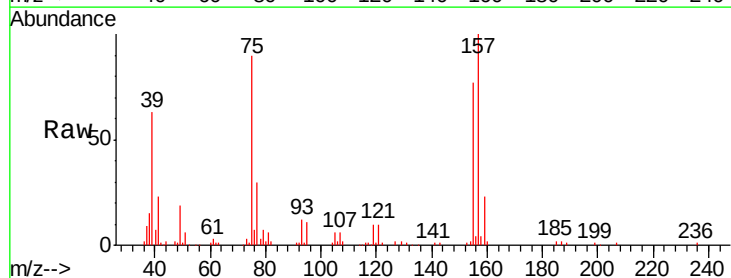
Manual Integrations
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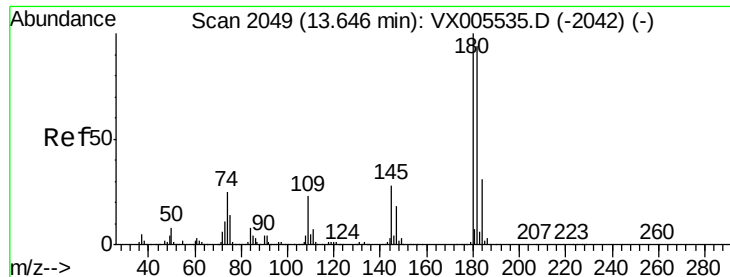
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.44 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005690.D
 Acq: 30 Oct 2018 14:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.0	45.4	136.1
157	116.3	57.4	172.0





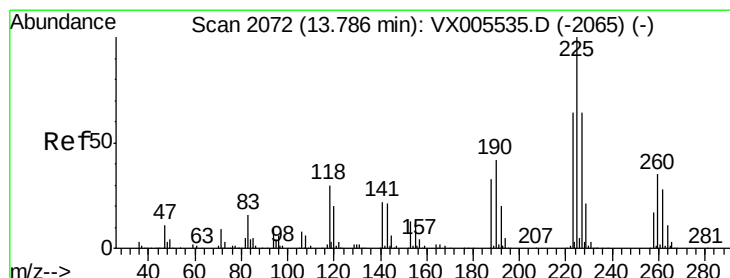
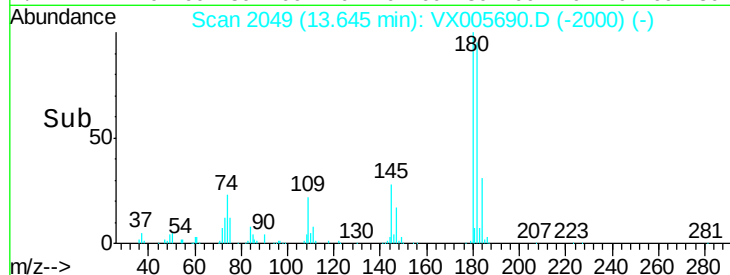
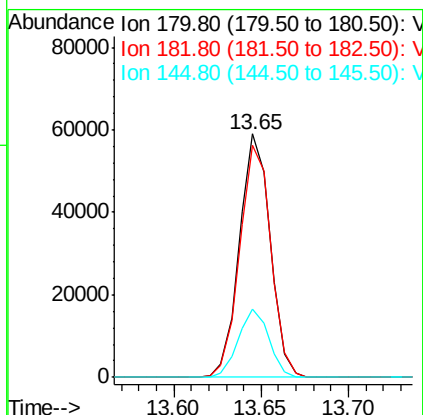
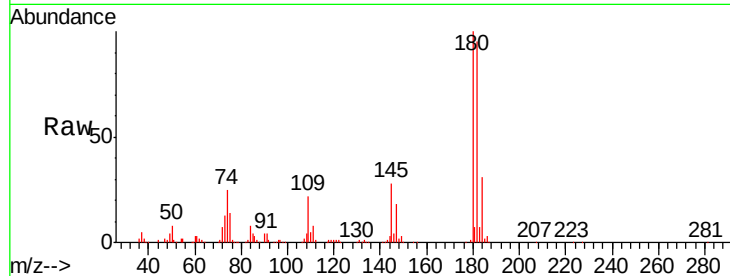
#93
 1,2,4-Trichlorobenzene
 Concen: 19.68 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005690.D
 Acq: 30 Oct 2018 14:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1030WBSD01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.6	142.8
145	27.9	14.1	42.2

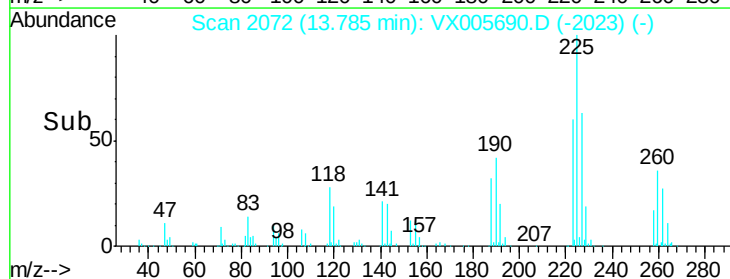
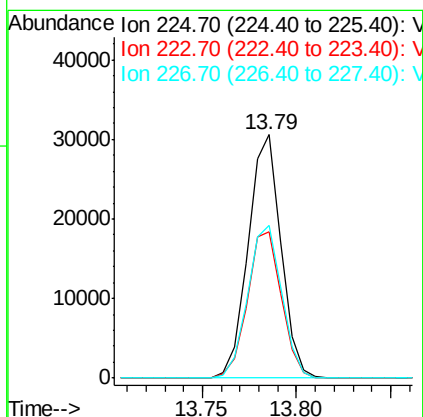
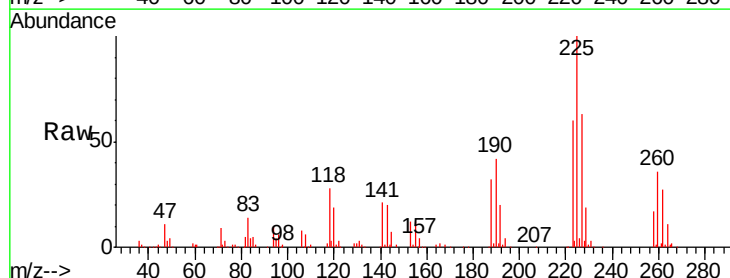
Manual Integrations
 APPROVED

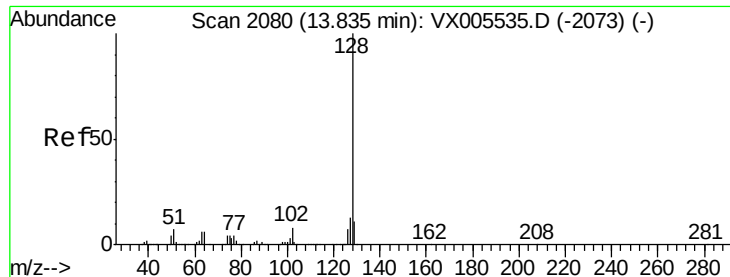
MMDadoda
 10/31/2018 11:07:12 AM



#94
 Hexachlorobutadiene
 Concen: 19.41 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005690.D
 Acq: 30 Oct 2018 14:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.7	95.1
227	65.0	32.3	96.9





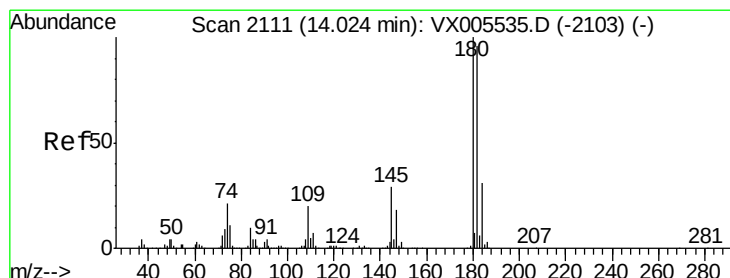
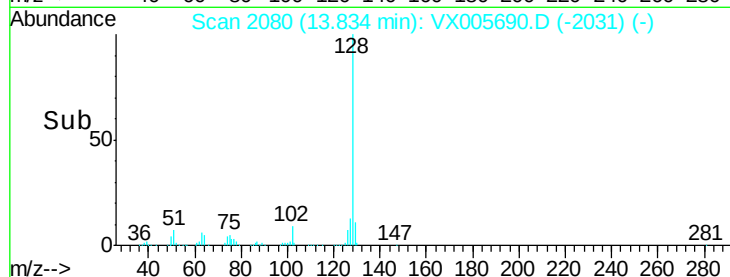
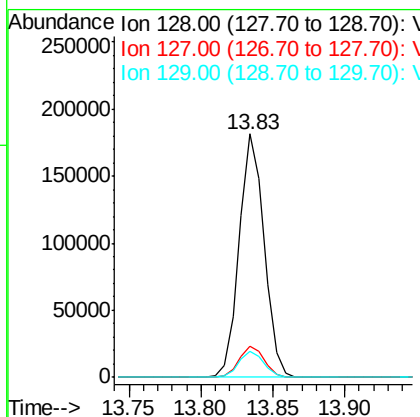
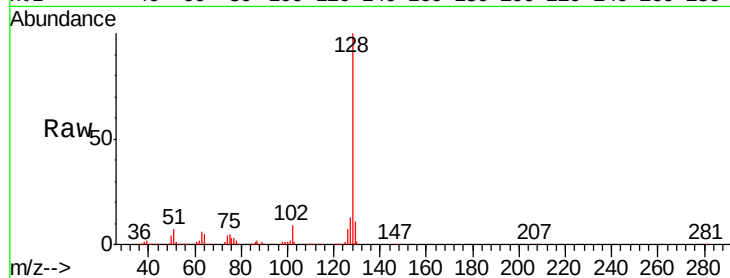
#95
Naphthalene
Concen: 20.59 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005690.D
Acq: 30 Oct 2018 14:34

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	218776		
127	13.0		10.4	15.6
129	10.8		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/31/2018 11:07:12 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.49 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX005690.D
Acq: 30 Oct 2018 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	75914		
182	94.7		48.0	144.2
145	29.6		15.1	45.3

