

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100318\
 Data File : VX004952.D
 Acq On : 03 Oct 2018 07:33
 Operator : JC/MD
 Sample : VX1003MBS01
 Misc : 5.00µg/10mL/100µL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX1003MBS01

Manual Integrations
 APPROVED

sam
 10/3/2018 5:57:20 PM

Quant Time: Oct 03 08:48:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	235165	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	344480	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	323727	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	193130	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	182414	54.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.60%	
35) Dibromofluoromethane	5.50	113	146217	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
50) Toluene-d8	8.72	98	511392	52.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.38%	
62) 4-Bromofluorobenzene	11.14	95	186266	53.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	71483	22.294	ug/l	94
3) Chloromethane	1.33	50	78697	20.230	ug/l	98
4) Vinyl Chloride	1.41	62	77453	21.228	ug/l	97
5) Bromomethane	1.64	94	38933	17.995	ug/l	95
6) Chloroethane	1.72	64	48921	23.363	ug/l	98
7) Trichlorofluoromethane	1.93	101	99651	22.062	ug/l	97
8) Diethyl Ether	2.19	74	40523	20.651	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.39	101	55171	21.443	ug/l	100
10) Methyl Iodide	2.51	142	47615	13.829	ug/l	90
11) Tert butyl alcohol	3.07	59	109892	116.993	ug/l	99
12) 1,1-Dichloroethene	2.37	96	54795	21.504	ug/l	96
13) Acrolein	2.30	56	19058	28.517	ug/l	91
14) Allyl chloride	2.73	41	114373	20.572	ug/l	97
15) Acrylonitrile	3.15	53	233229	112.793	ug/l	97
16) Acetone	2.45	43	207804	105.955	ug/l	99
17) Carbon Disulfide	2.57	76	145897	19.055	ug/l	99
18) Methyl Acetate	2.78	43	131687	26.502	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	193911	22.062	ug/l	95
20) Methylene Chloride	2.86	84	65998	22.686	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	56460	20.241	ug/l #	79
22) Diisopropyl ether	3.88	45	217240	23.204	ug/l #	88
23) Vinyl Acetate	3.82	43	930034	108.526	ug/l	95
24) 1,1-Dichloroethane	3.70	63	124110	22.224	ug/l	99
25) 2-Butanone	4.70	43	312353	108.046	ug/l #	88
26) 2,2-Dichloropropane	4.59	77	46207	11.882	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	64111	20.574	ug/l	98
28) Bromochloromethane	5.02	49	53692	20.416	ug/l	100
29) Tetrahydrofuran	5.16	42	199053	110.781	ug/l	99
30) Chloroform	5.22	83	114518	21.697	ug/l	93
31) Cyclohexane	5.59	56	100281	23.461	ug/l #	76
32) 1,1,1-Trichloroethane	5.50	97	94370	21.893	ug/l	94
36) 1,1-Dichloropropene	5.80	75	80230	20.142	ug/l	94
37) Ethyl Acetate	4.85	43	109982	20.801	ug/l	98
38) Carbon Tetrachloride	5.78	117	81386	19.437	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	81106	19.941	ug/l	87
40) Benzene	6.14	78	245428	19.681	ug/l	95
41) Methacrylonitrile	5.07	41	60588	20.662	ug/l	93
42) 1,2-Dichloroethane	6.20	62	87341	19.812	ug/l	97
43) Isopropyl Acetate	6.46	43	158871	20.817	ug/l	99
44) Trichloroethene	7.21	130	64571	21.063	ug/l	96
45) 1,2-Dichloropropane	7.52	63	64340	21.039	ug/l	99
46) Dibromomethane	7.66	93	39918	20.770	ug/l	99
47) Bromodichloromethane	7.90	83	76719	21.321	ug/l	99
48) Methyl methacrylate	7.78	41	76754	22.158	ug/l	99
49) 1,4-Dioxane	7.76	88	36102	419.516	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	538019	111.966	ug/l	98
52) Toluene	8.79	92	143709	20.972	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	74409	18.299	ug/l	94
54) cis-1,3-Dichloropropene	8.44	75	83665	19.644	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	62082	20.683	ug/l	95
56) Ethyl methacrylate	9.18	69	89630	20.211	ug/l	98
57) 1,3-Dichloropropane	9.37	76	101477	20.313	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	256014	107.593	ug/l	99
59) 2-Hexanone	9.49	43	419335	104.722	ug/l	93
60) Dibromochloromethane	9.59	129	60711	20.225	ug/l	99
61) 1,2-Dibromoethane	9.67	107	62131	19.328	ug/l	95
64) Tetrachloroethene	9.34	164	67203	21.092	ug/l	96
65) Chlorobenzene	10.14	112	161204	19.419	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	57668	19.760	ug/l	99
67) Ethyl Benzene	10.26	91	261989	19.879	ug/l	96
68) m/p-Xylenes	10.36	106	207176	40.228	ug/l	94
69) o-Xylene	10.70	106	99239	20.979	ug/l	99
70) Styrene	10.71	104	167691	20.283	ug/l	100
71) Bromoform	10.86	173	48725	19.502	ug/l #	97
73) Isopropylbenzene	11.02	105	267747	21.995	ug/l	99
74) N-amyl acetate	10.90	43	127539	20.143	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	98477	19.873	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	89490m	20.673	ug/l	
77) Bromobenzene	11.26	156	74127	20.965	ug/l	99
78) n-propylbenzene	11.36	91	306465	21.942	ug/l	99
79) 2-Chlorotoluene	11.42	91	187579	21.546	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	227367	20.261	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	21637	15.078	ug/l	98
82) 4-Chlorotoluene	11.51	91	219467	21.417	ug/l	100
83) tert-Butylbenzene	11.77	119	217563	21.707	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	235520	20.352	ug/l	99
85) sec-Butylbenzene	11.94	105	264720	21.684	ug/l	100
86) p-Isopropyltoluene	12.07	119	236656	21.397	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	133853	20.273	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	136024	19.958	ug/l	98
89) n-Butylbenzene	12.39	91	201803	20.090	ug/l	99
90) Hexachloroethane	12.60	117	36366	19.748	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	135807	19.683	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	22203	20.407	ug/l	99

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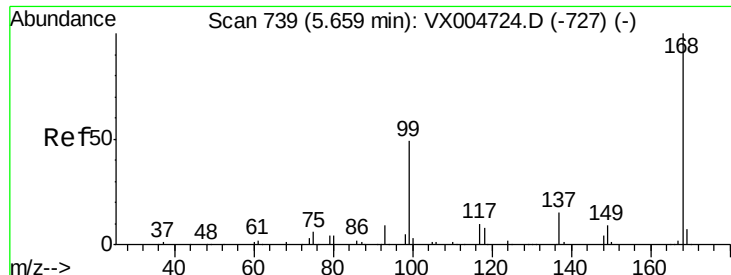
Manual Integrations
APPROVED

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	96848	20.010	ug/l	99
94) Hexachlorobutadiene	13.79	225	47484	18.919	ug/l	99
95) Naphthalene	13.83	128	310703	19.782	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	100798	20.160	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004952.D

Acq: 03 Oct 2018 07:33

Instrument :

MSVOA_X

ClientSampleId :

VX1003MBS01

Tot Ion:168 Resp: 235165

Ion Ratio Lower Upper

168 100

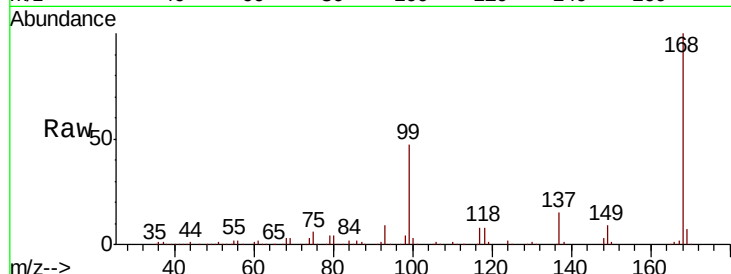
99 46.8 39.3 58.9

Manual Integrations

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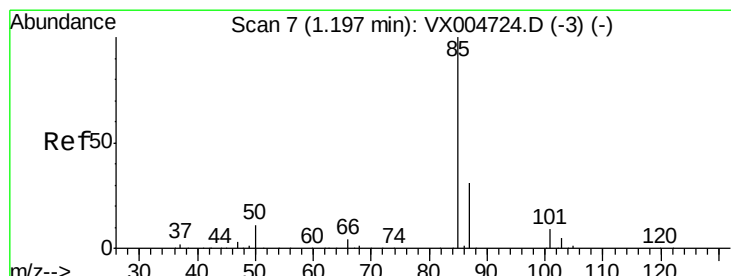
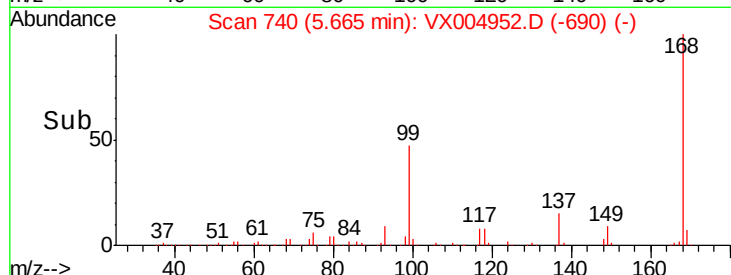
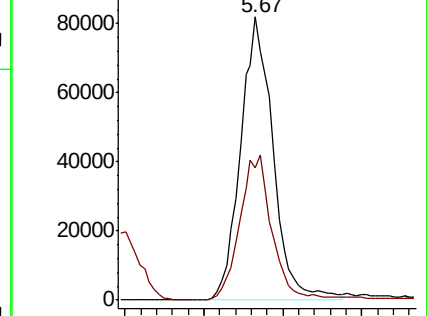
sam

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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: 22.294 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX004952.D

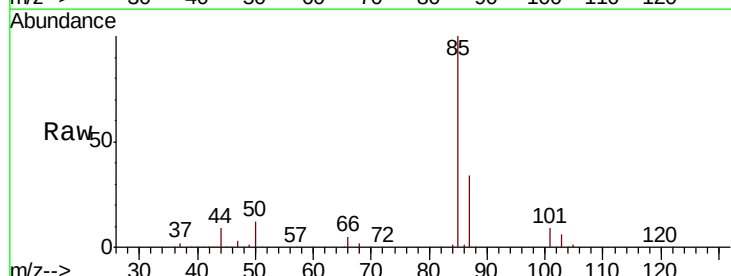
Acq: 03 Oct 2018 07:33

Tgt Ion: 85 Resp: 71483

Ion Ratio Lower Upper

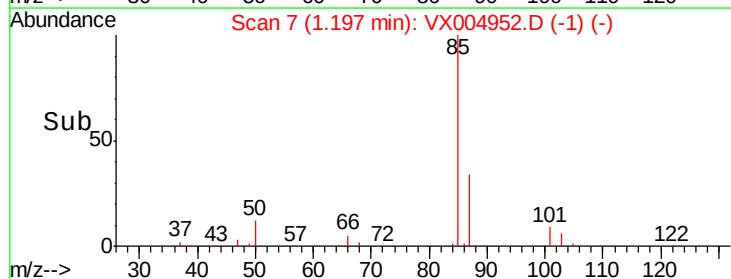
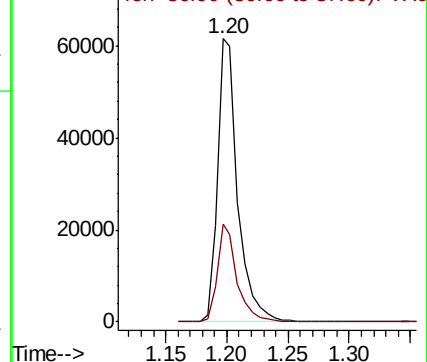
85 100

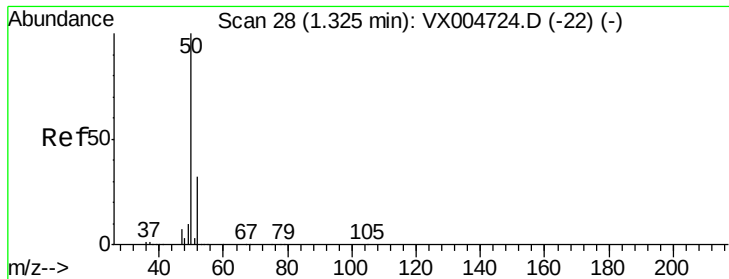
87 34.5 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 20.230 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX004952.D

Acq: 03 Oct 2018 07:33

Instrument :

MSVOA_X

ClientSampleId :

VX1003MBSD01

Tot Ion: 50 Resp: 78697

Ion Ratio Lower Upper

50 100

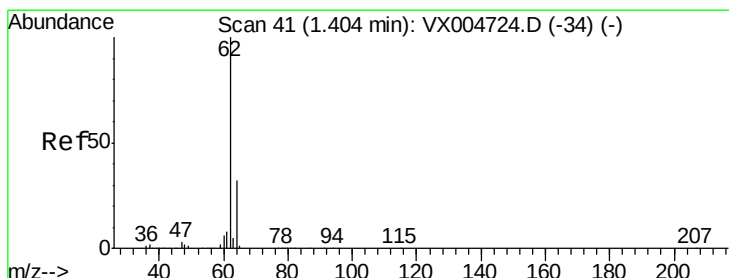
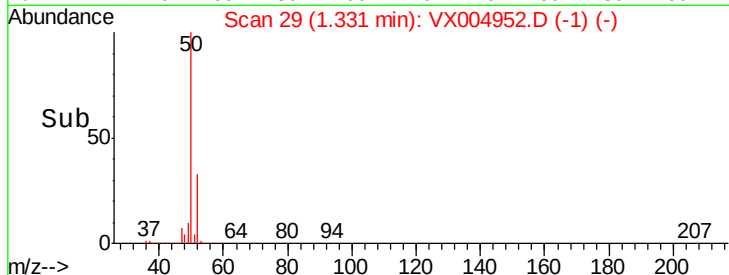
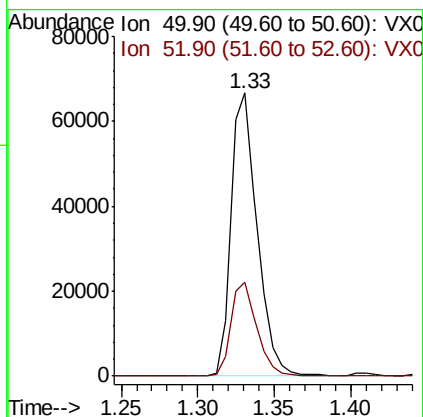
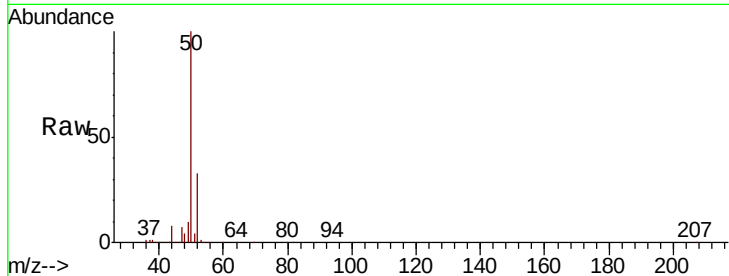
52 33.1 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.228 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX004952.D

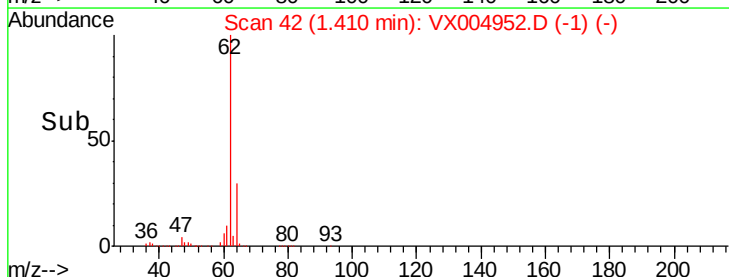
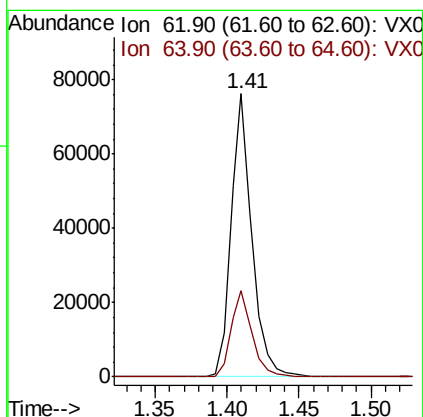
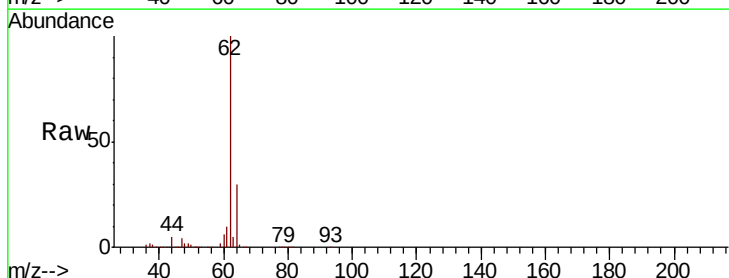
Acq: 03 Oct 2018 07:33

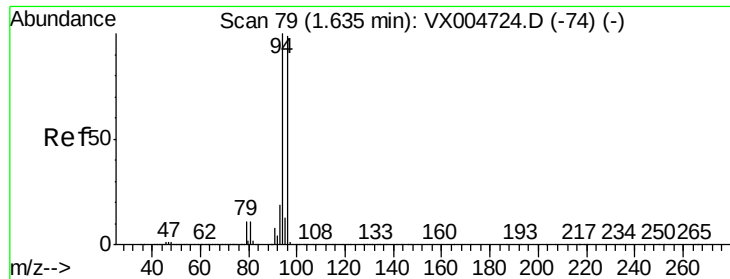
Tgt Ion: 62 Resp: 77453

Ion Ratio Lower Upper

62 100

64 30.5 25.5 38.3





#5

Bromomethane

Concen: 17.995 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX004952.D

Acq: 03 Oct 2018 07:33

Instrument :

MSVOA_X

ClientSampleId :

VX1003MBS01

Tot Ion: 94 Resp: 38933

Ion Ratio Lower Upper

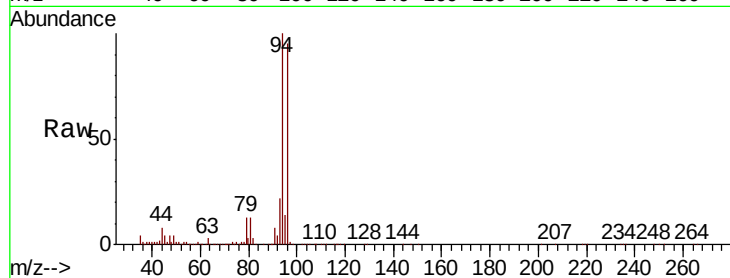
94 100

96 94.7 79.5 119.3

Manual Integrations
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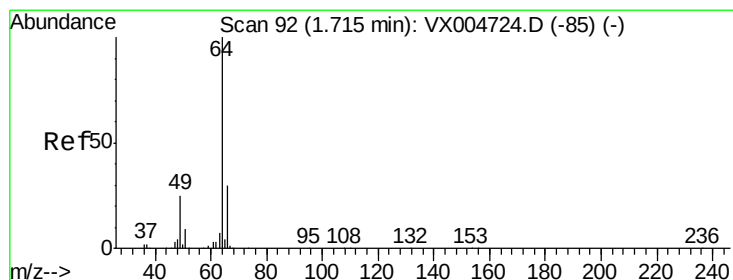
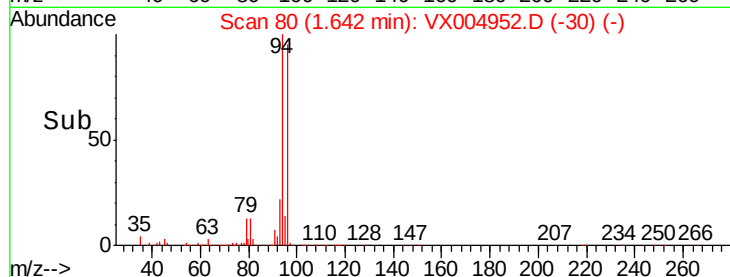
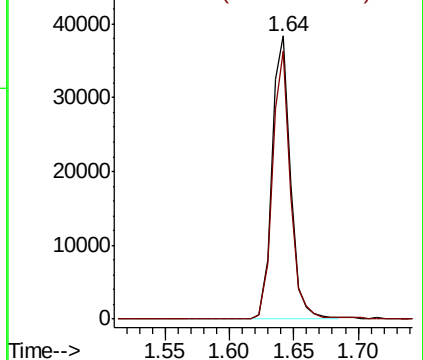
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 23.363 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004952.D

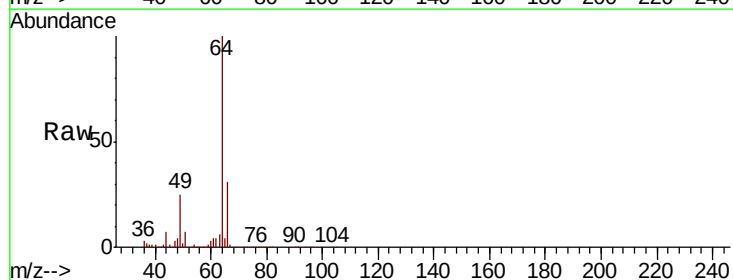
Acq: 03 Oct 2018 07:33

Tgt Ion: 64 Resp: 48921

Ion Ratio Lower Upper

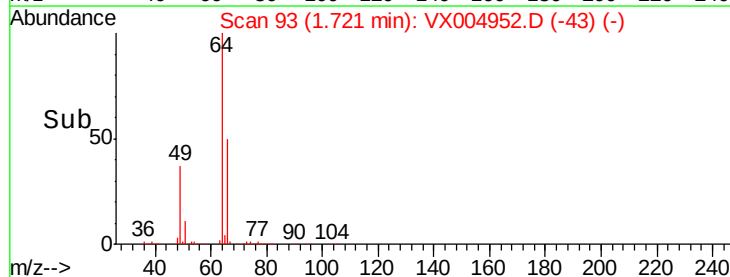
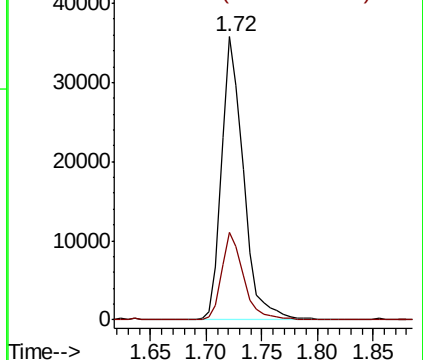
64 100

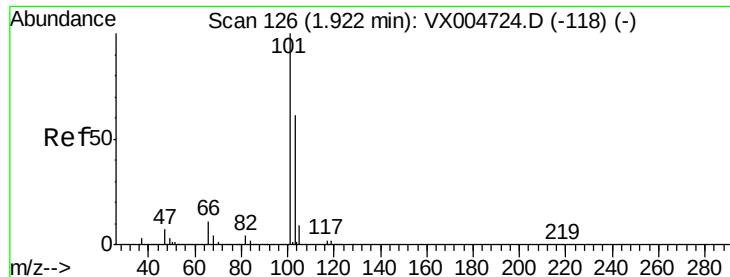
66 30.8 23.8 35.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

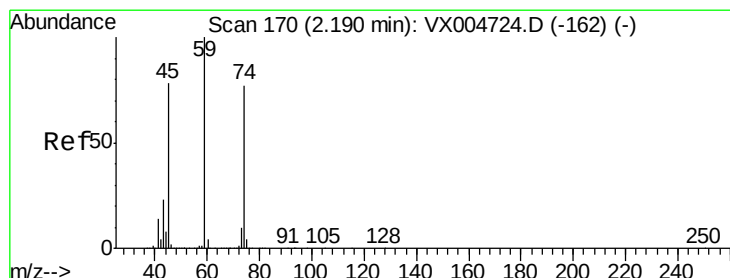
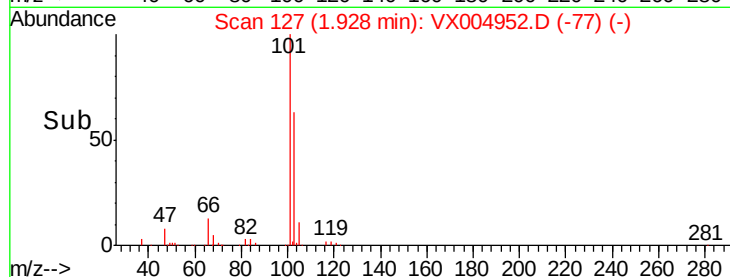
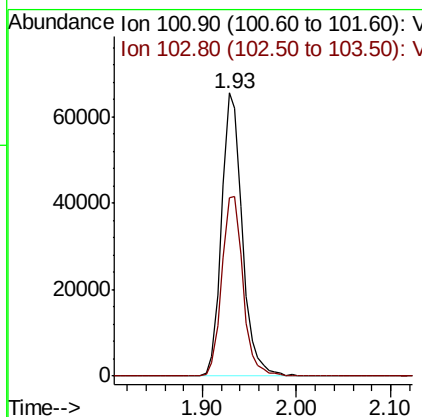
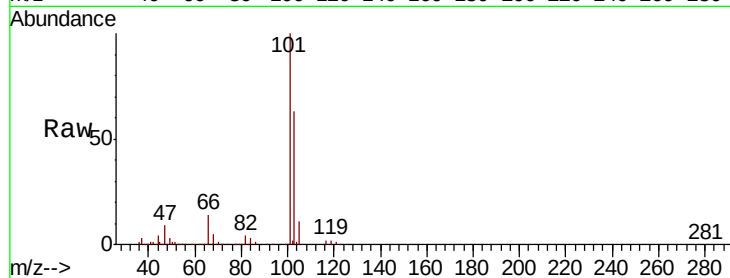
Trichlorofluoromethane
Concen: 22.062 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX004952.D
Acq: 03 Oct 2018 07:33

Instrument :
MSVOA_X
ClientSampleId :
VX1003MBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	48.4	72.6

Manual Integrations
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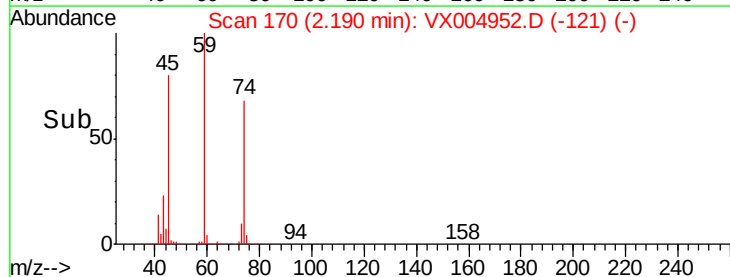
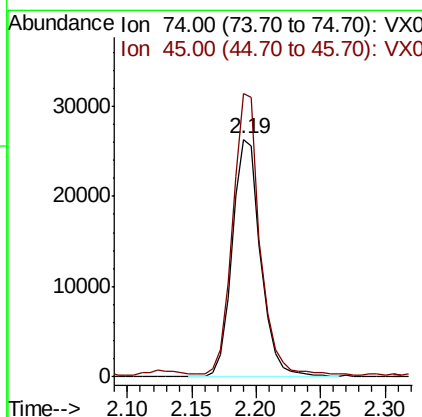
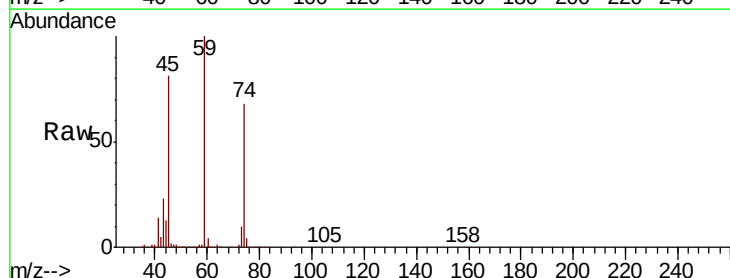
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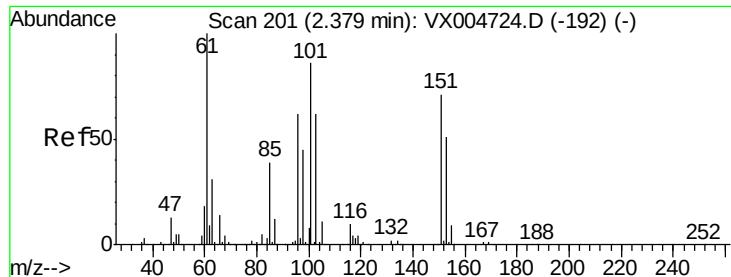


#8

Diethyl Ether
Concen: 20.651 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX004952.D
Acq: 03 Oct 2018 07:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	113.3	52.5	157.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.443 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX004952.D

Acq: 03 Oct 2018 07:33

Instrument :

MSVOA_X

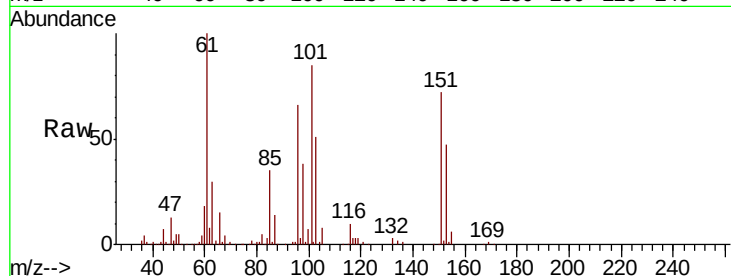
ClientSampleId :

VX1003MBSD01

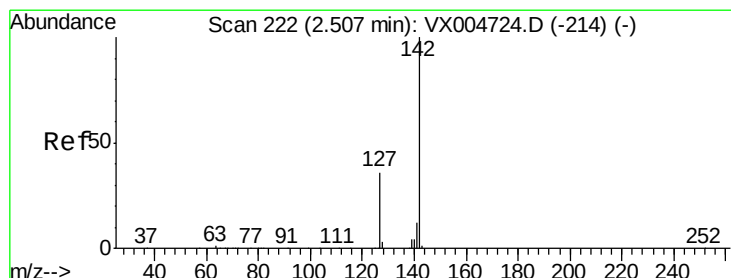
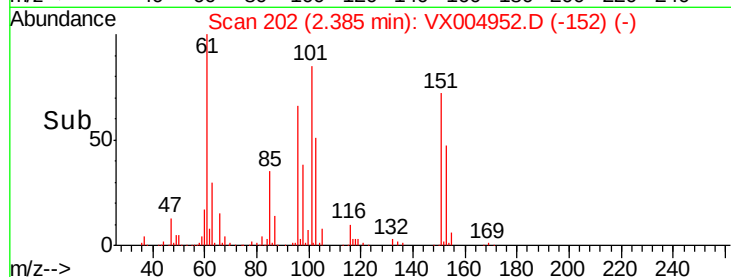
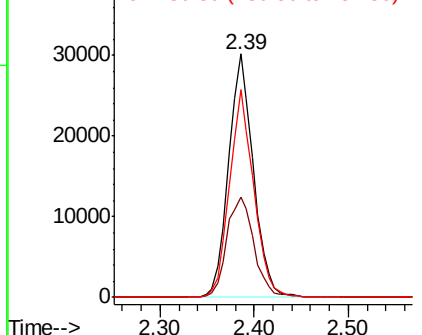
Tot Ion:	101	Resp:	55171
Ion Ratio	Lower	Upper	
101	100		
85	45.0	35.9	53.9
151	83.3	66.6	100.0

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 13.829 ug/l

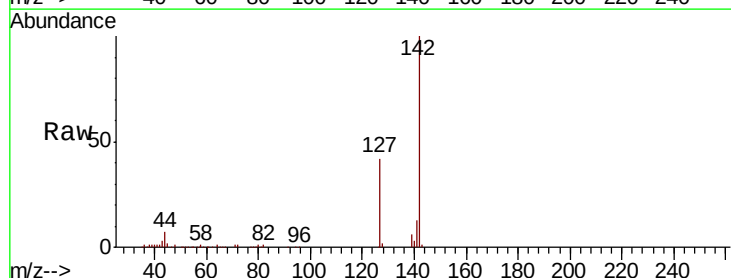
RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

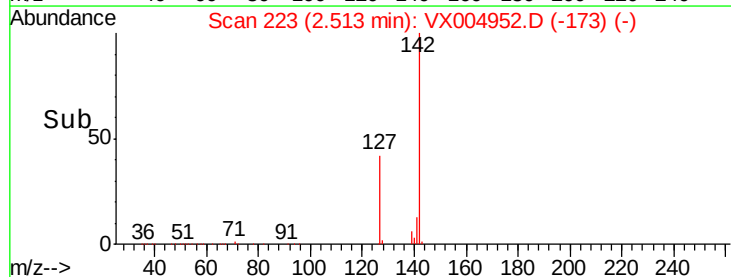
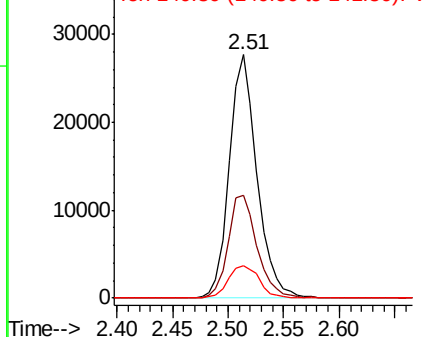
Lab File: VX004952.D

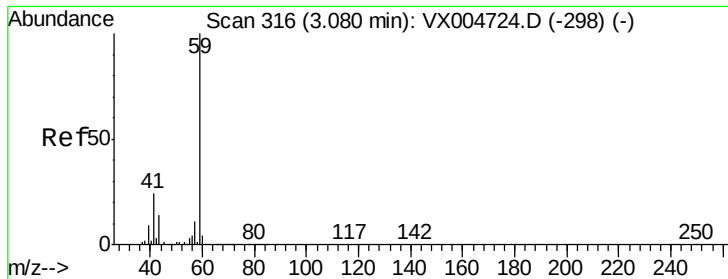
Acq: 03 Oct 2018 07:33

Tgt Ion:	142	Resp:	47615
Ion Ratio	Lower	Upper	
142	100		
127	44.4	30.1	45.1
141	15.0	10.1	15.1



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

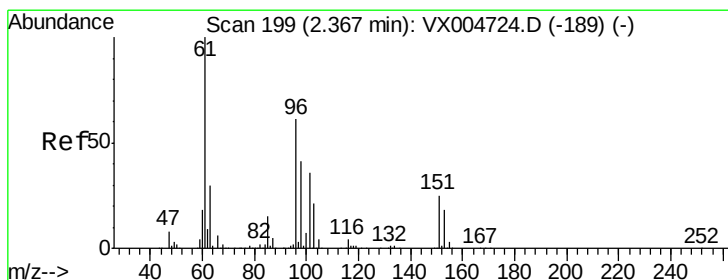
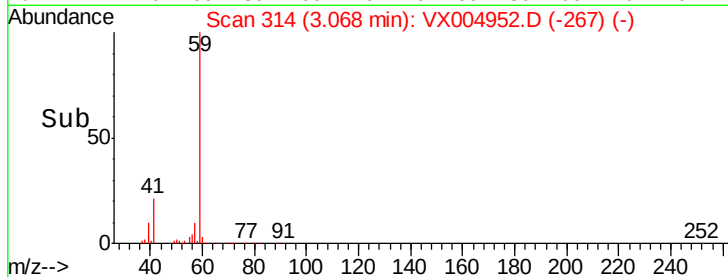
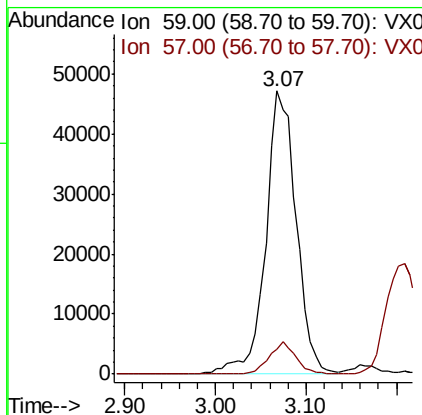
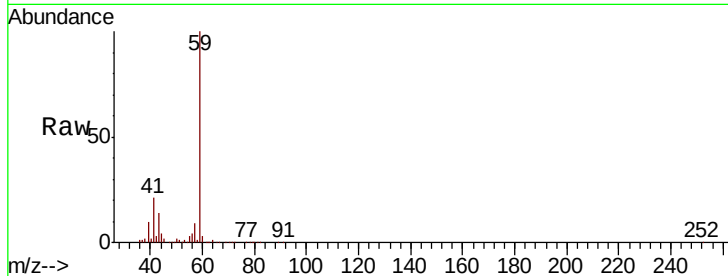
Tert butyl alcohol
 Concen: 116.993 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX004952.D
 Acq: 03 Oct 2018 07:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1003MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.6	12.8

Manual Integrations
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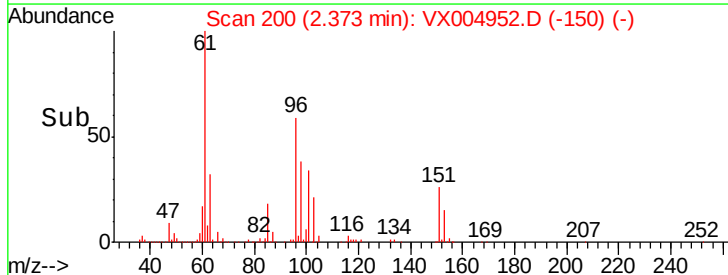
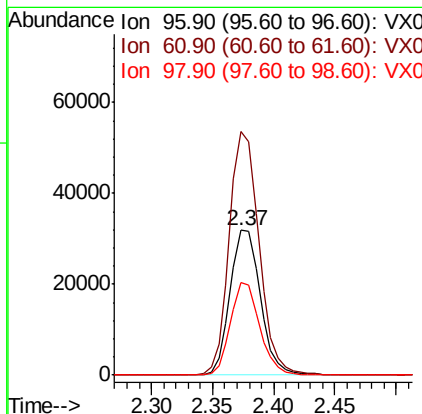
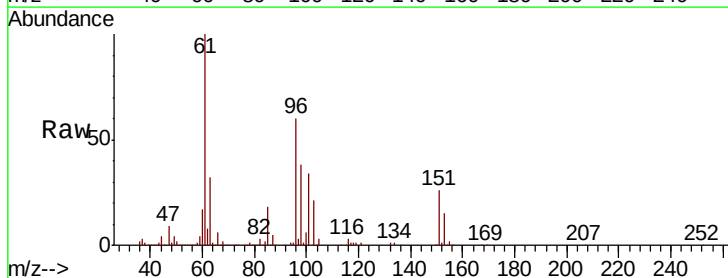
sam
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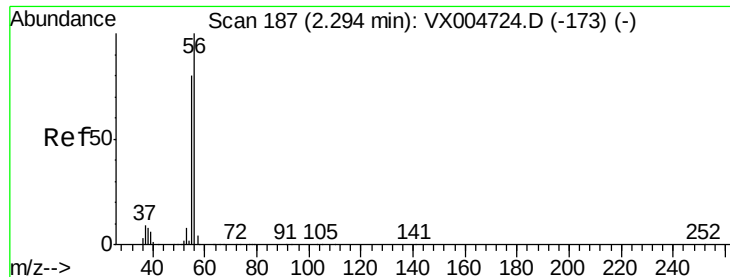


#12

1,1-Dichloroethene
 Concen: 21.504 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.01 min
 Lab File: VX004952.D
 Acq: 03 Oct 2018 07:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.0	130.2	195.4
98	63.8	53.4	80.0





#13

Acrolein

Concen: 28.517 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX004952.D

Acq: 03 Oct 2018 07:33

Instrument :

MSVOA_X

ClientSampleId :

VX1003MBS01

Tot Ion: 56 Resp: 19058

Ion Ratio Lower Upper

56 100

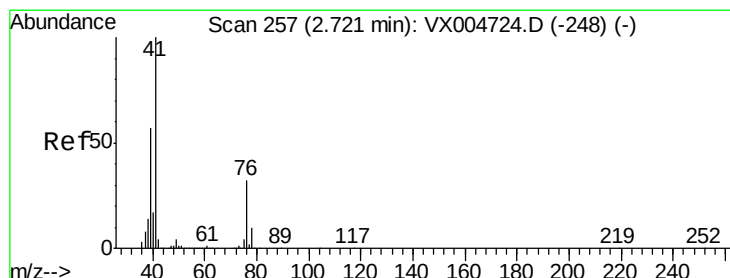
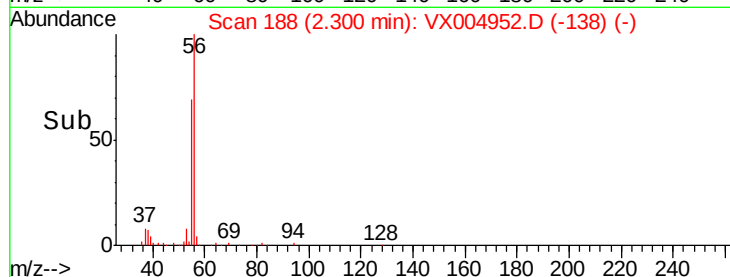
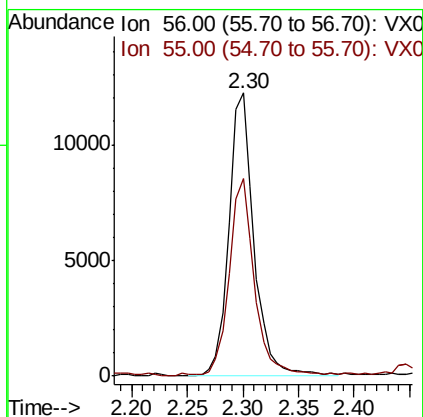
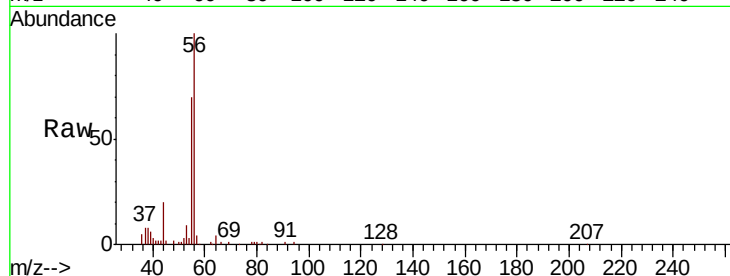
55 71.3 63.4 95.2

Manual Integrations

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#14

Allyl chloride

Concen: 20.572 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX004952.D

Acq: 03 Oct 2018 07:33

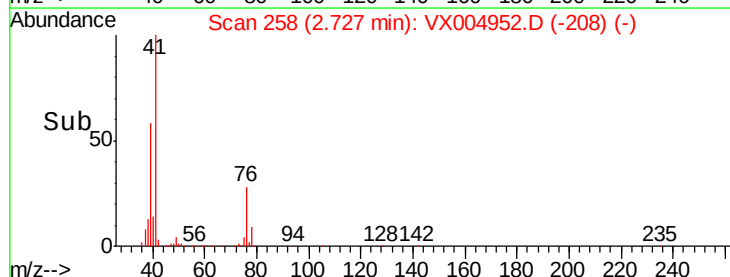
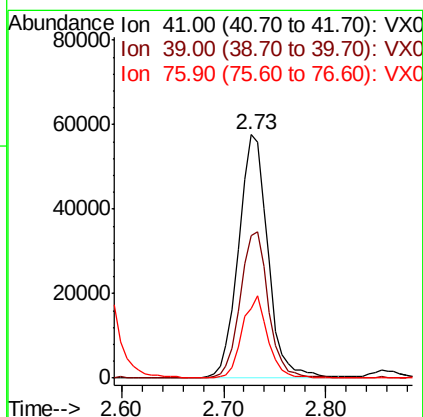
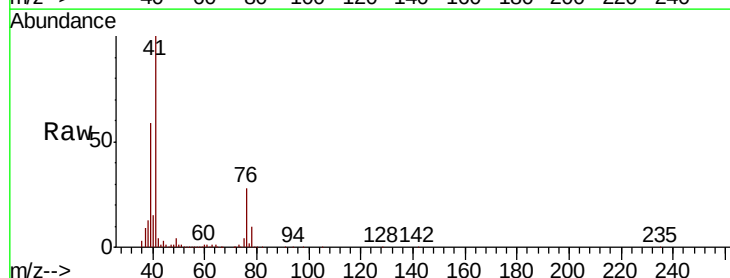
Tgt Ion: 41 Resp: 114373

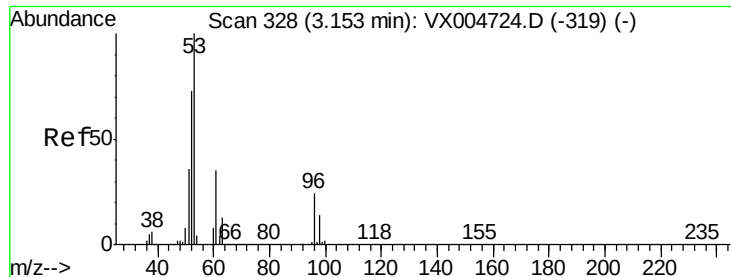
Ion Ratio Lower Upper

41 100

39 57.1 44.1 66.1

76 29.2 25.0 37.4





#15

Acrylonitrile

Concen: 112.793 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX004952.D

Acq: 03 Oct 2018 07:33

Instrument :

MSVOA_X

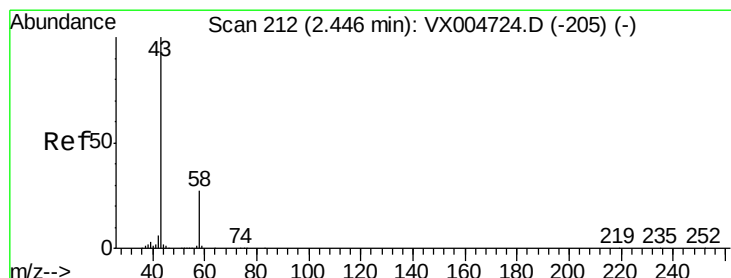
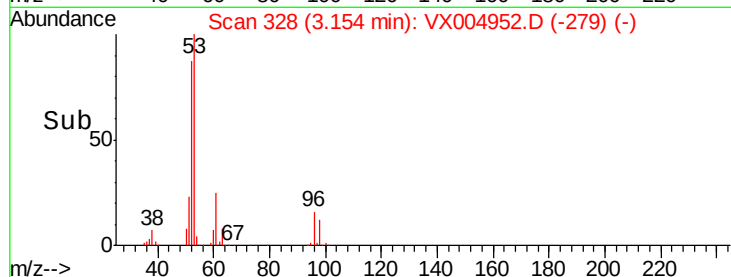
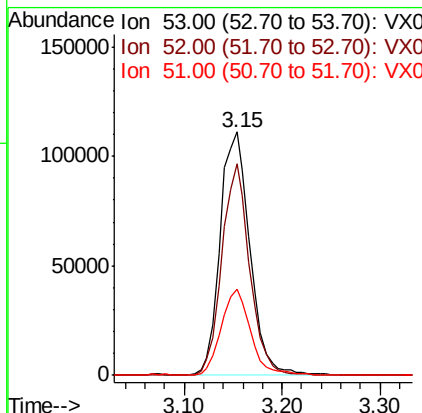
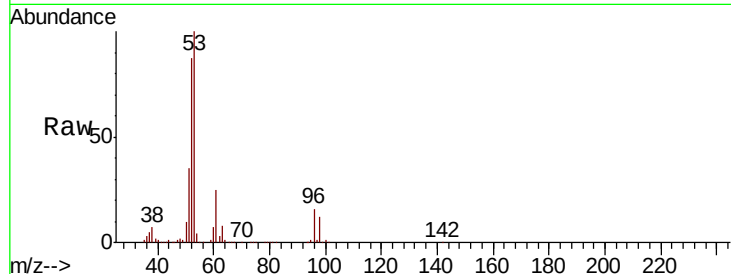
ClientSampleId :

VX1003MBSD01

Tot Ion:	53	Resp:	233229
Ion	Ratio	Lower	Upper
53	100		
52	81.6	63.0	94.4
51	35.0	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 105.955 ug/l

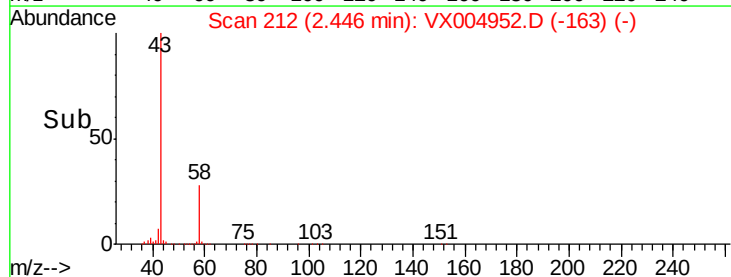
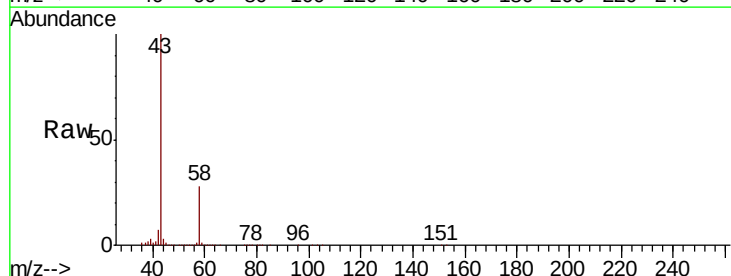
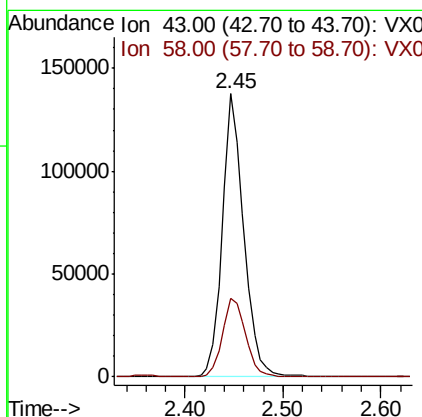
RT: 2.45 min Scan# 212

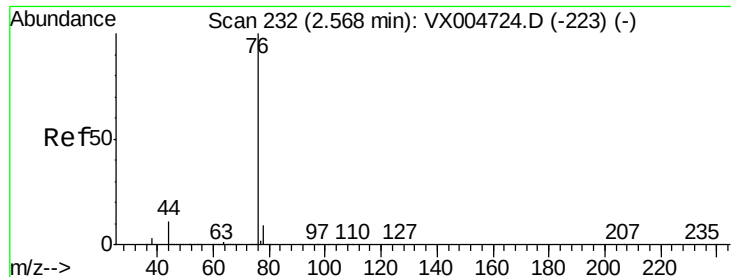
Delta R.T. 0.00 min

Lab File: VX004952.D

Acq: 03 Oct 2018 07:33

Tgt Ion:	43	Resp:	207804
Ion	Ratio	Lower	Upper
43	100		
58	27.8	21.8	32.6





#17

Carbon Disulfide

Concen: 19.055 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX004952.D

Acq: 03 Oct 2018 07:33

Instrument :

MSVOA_X

ClientSampleId :

VX1003MBS01

Tot Ion: 76 Resp: 145897

Ion Ratio Lower Upper

76 100

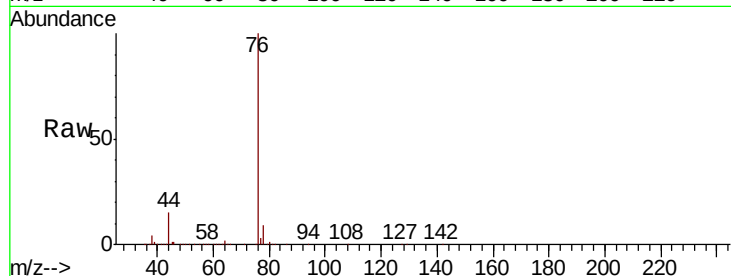
78 9.0 7.0 10.6

Manual Integrations

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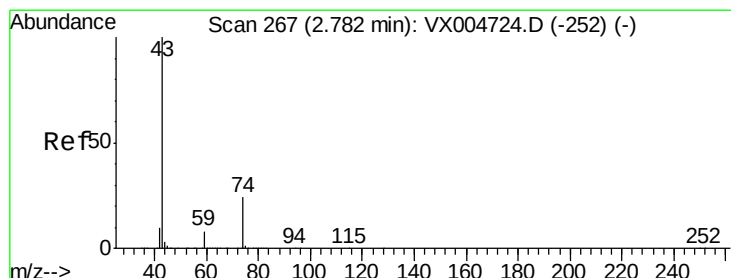
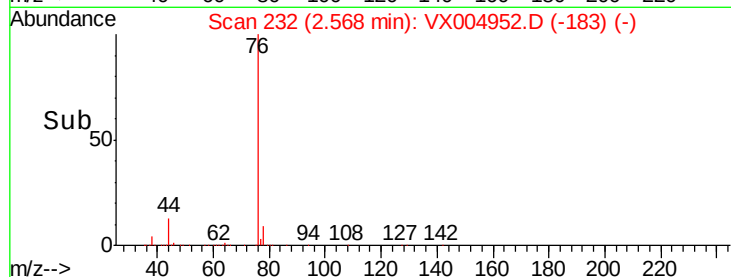
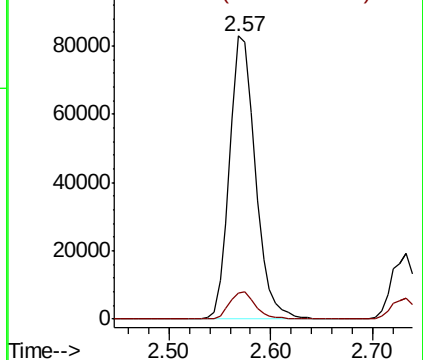
sam

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 26.502 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX004952.D

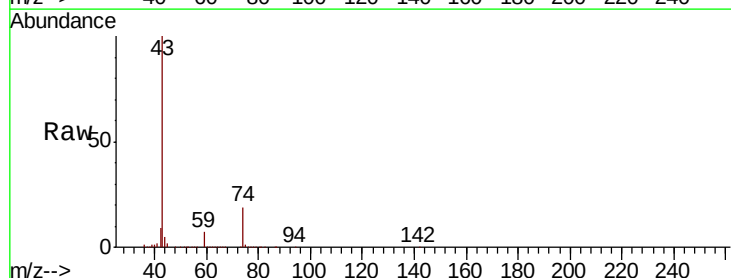
Acq: 03 Oct 2018 07:33

Tgt Ion: 43 Resp: 131687

Ion Ratio Lower Upper

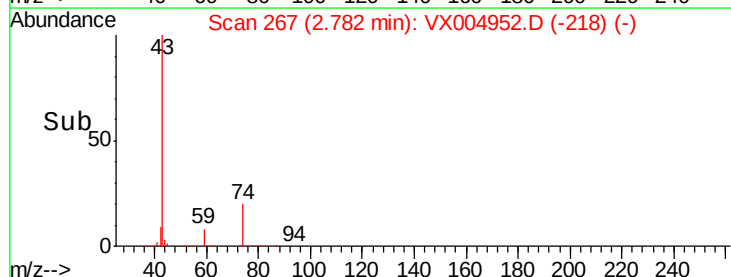
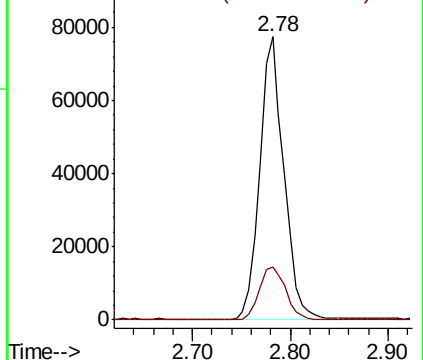
43 100

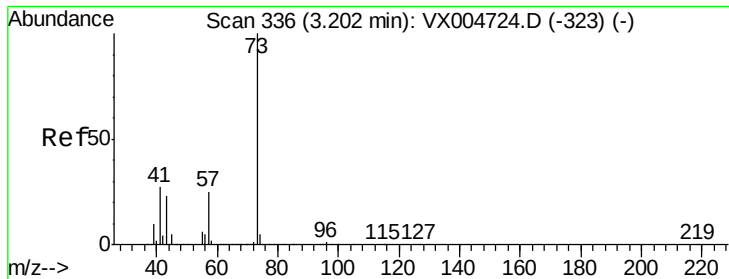
74 21.0 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





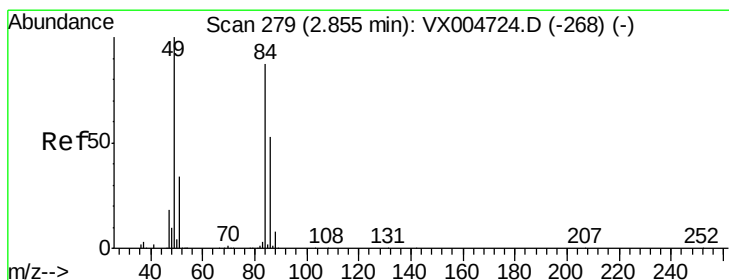
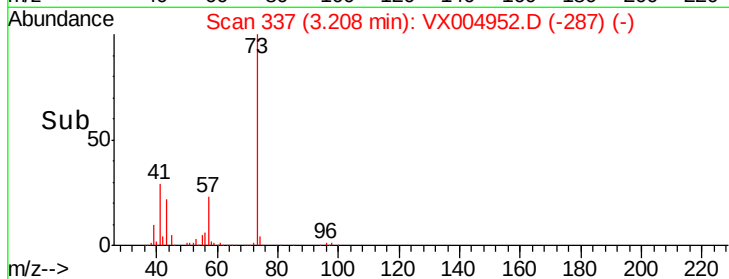
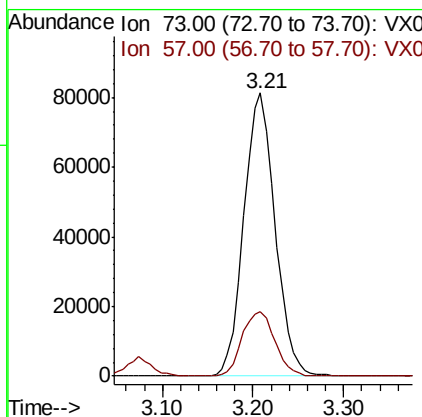
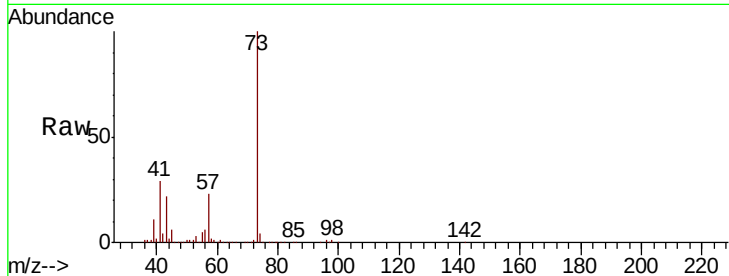
#19
Methyl tert-butyl Ether
Concen: 22.062 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX004952.D
Acq: 03 Oct 2018 07:33

Instrument :
MSVOA_X
ClientSampleId :
VX1003MBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.5	19.9	29.9

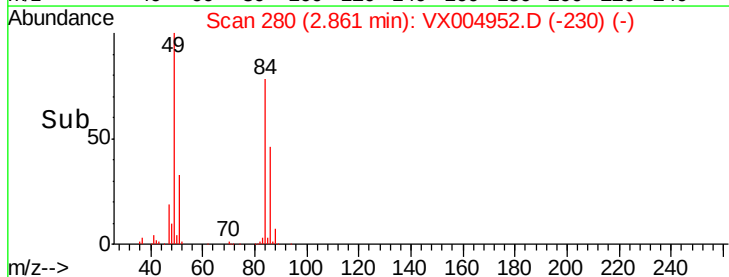
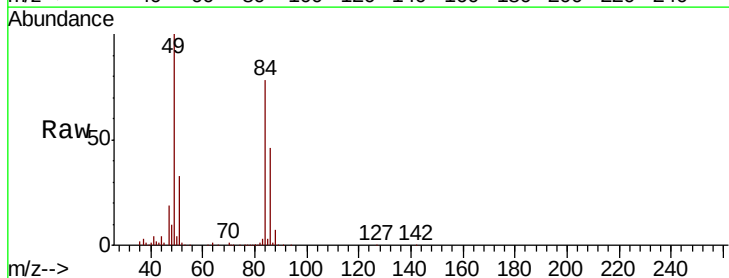
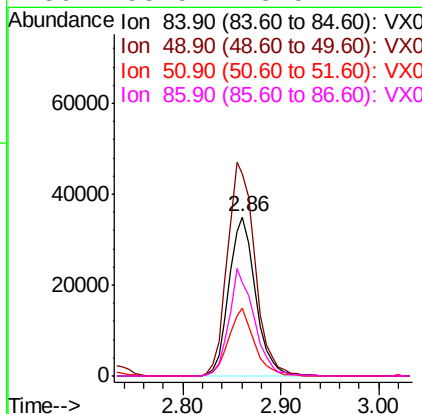
Manual Integrations
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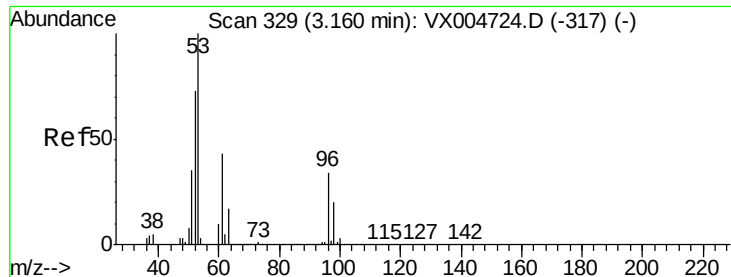
sam
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#20
Methylene Chloride
Concen: 22.686 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX004952.D
Acq: 03 Oct 2018 07:33

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.6	92.3	138.5
51	42.2	31.8	47.6
86	58.5	48.5	72.7





#21

trans-1,2-Dichloroethene

Concen: 20.241 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX004952.D

Acq: 03 Oct 2018 07:33

Instrument :

MSVOA_X

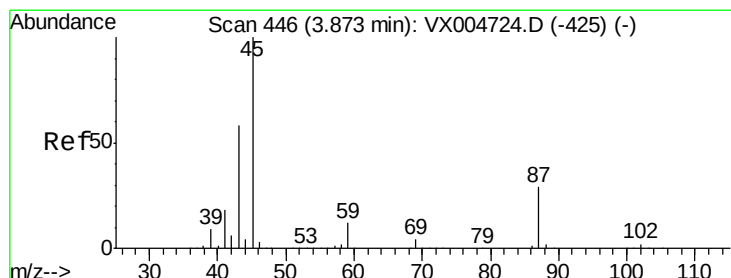
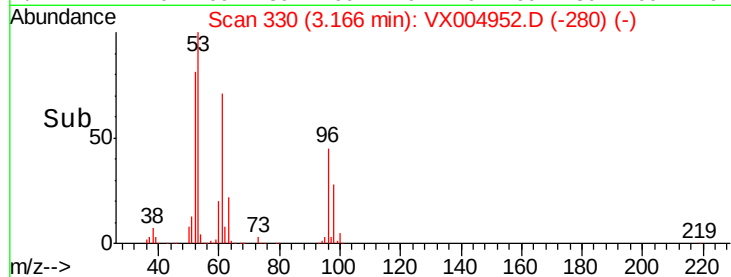
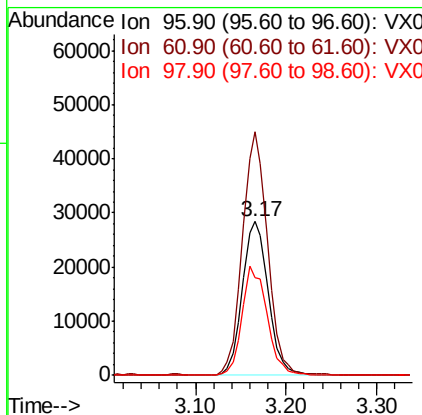
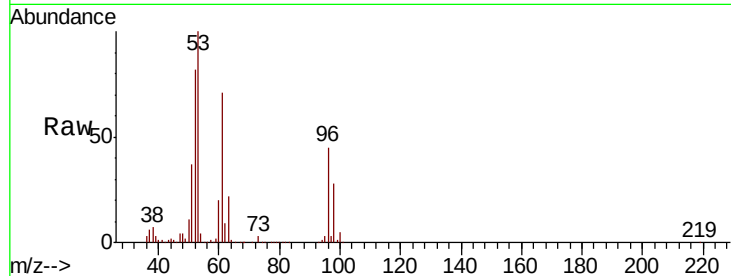
ClientSampleId :

VX1003MBS01

Tot Ion:	96	Resp:	56460
Ion	Ratio	Lower	Upper
96	100		
61	157.9	101.0	151.6#
98	63.2	47.2	70.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 23.204 ug/l

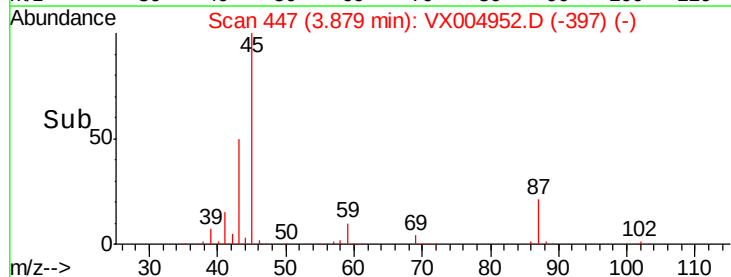
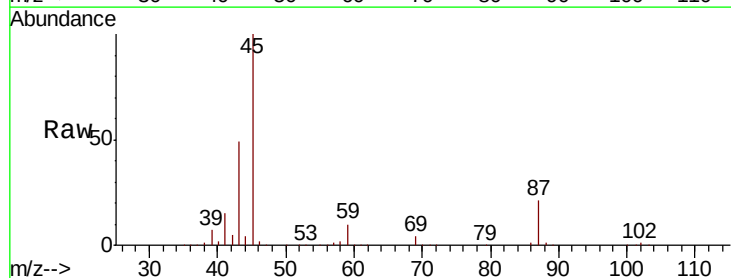
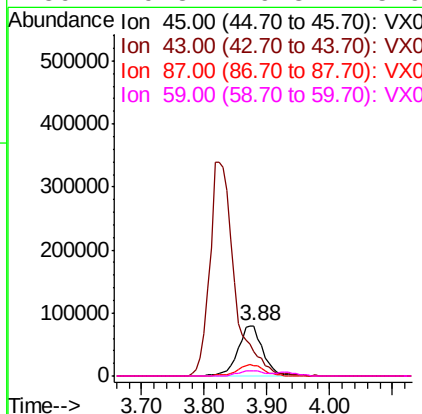
RT: 3.88 min Scan# 447

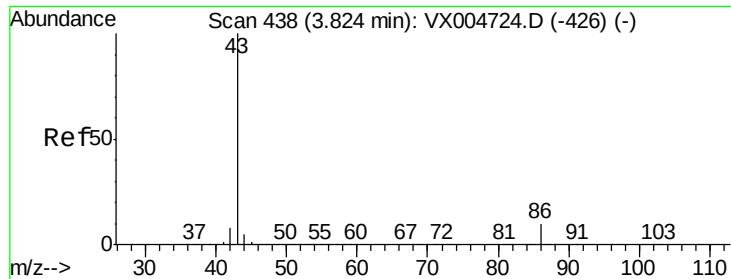
Delta R.T. 0.01 min

Lab File: VX004952.D

Acq: 03 Oct 2018 07:33

Tgt Ion:	45	Resp:	217240
Ion	Ratio	Lower	Upper
45	100		
43	48.8	46.7	70.1
87	21.3	22.9	34.3#
59	9.8	9.3	13.9





#23

Vinyl Acetate

Concen: 108.526 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX004952.D

Acq: 03 Oct 2018 07:33

Instrument :

MSVOA_X

ClientSampleId :

VX1003MBSD01

Tot Ion: 43 Resp: 930034

Ion Ratio Lower Upper

43 100

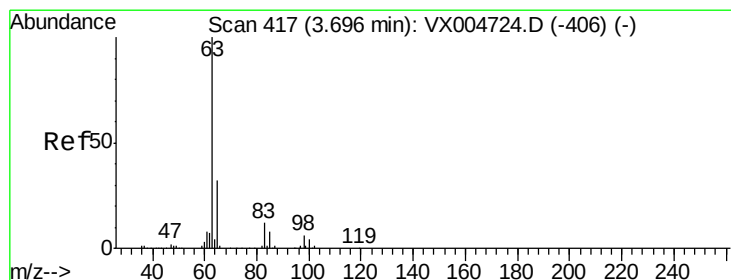
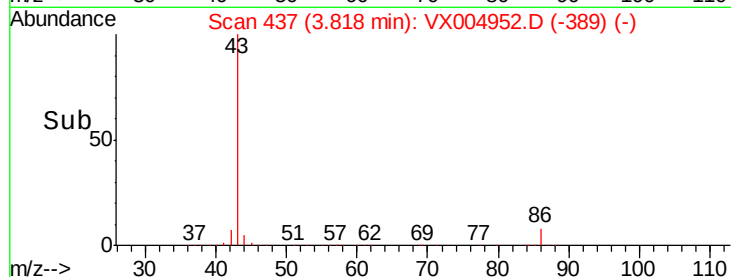
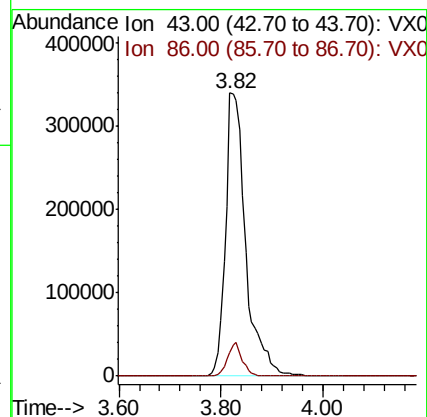
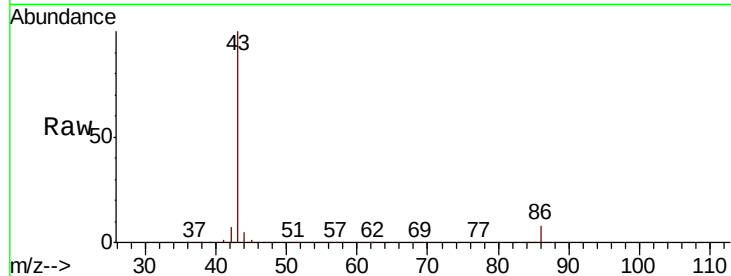
86 8.1 8.1 12.1

Manual Integrations

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sam

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#24

1,1-Dichloroethane

Concen: 22.224 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX004952.D

Acq: 03 Oct 2018 07:33

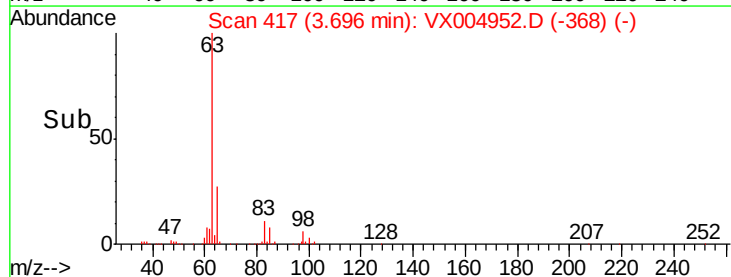
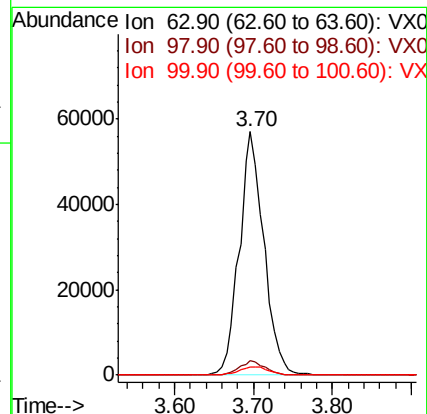
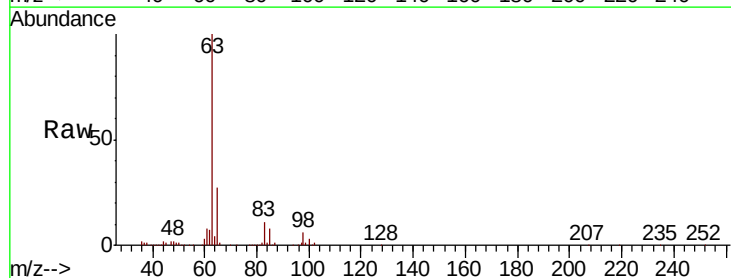
Tgt Ion: 63 Resp: 124110

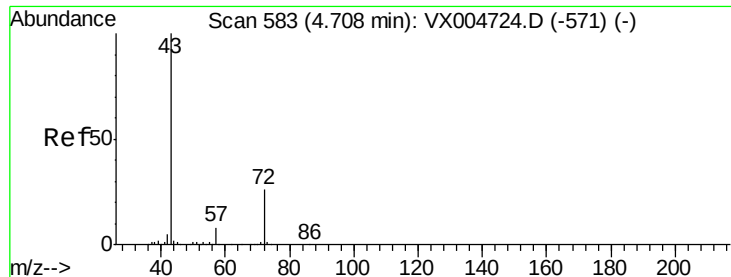
Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

100 3.5 2.0 5.8





#25

2-Butanone

Concen: 108.046 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX004952.D

Acq: 03 Oct 2018 07:33

Instrument :

MSVOA_X

ClientSampleId :

VX1003MBS01

Tot Ion: 43 Resp: 312353

Ion Ratio Lower Upper

43 100

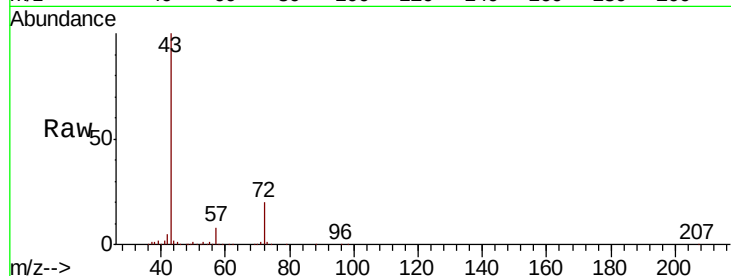
72 20.1 20.8 31.2#

Manual Integrations

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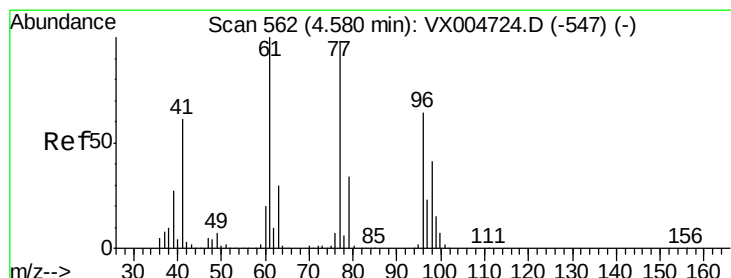
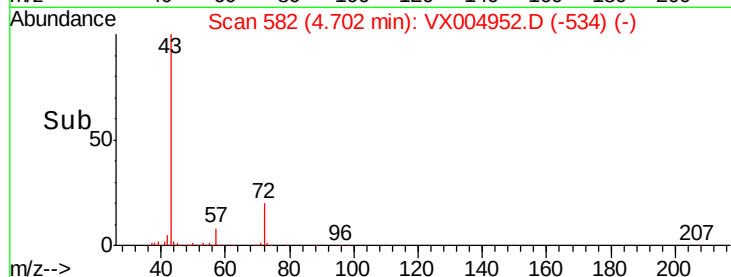
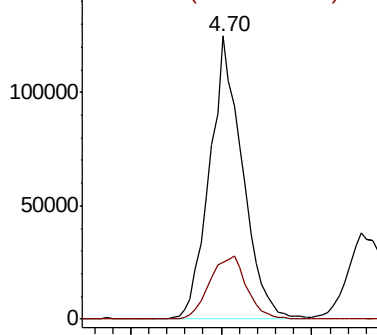
sam

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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: 11.882 ug/l

RT: 4.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VX004952.D

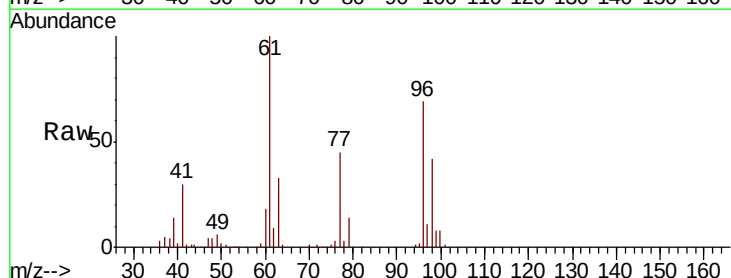
Acq: 03 Oct 2018 07:33

Tgt Ion: 77 Resp: 46207

Ion Ratio Lower Upper

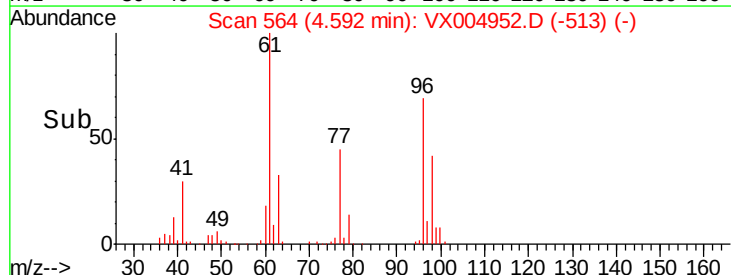
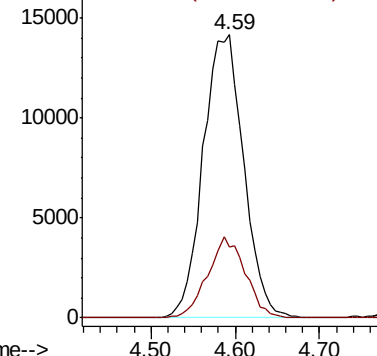
77 100

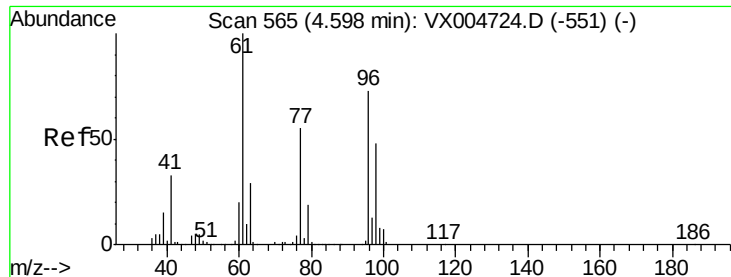
97 26.5 12.6 37.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

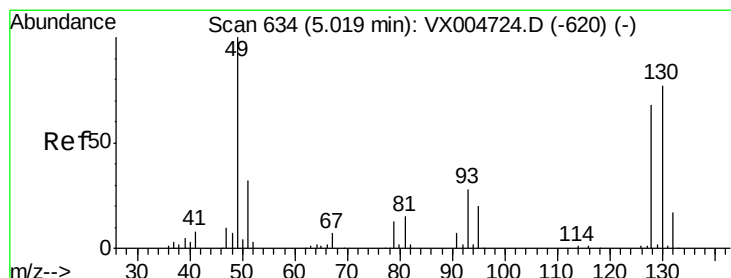
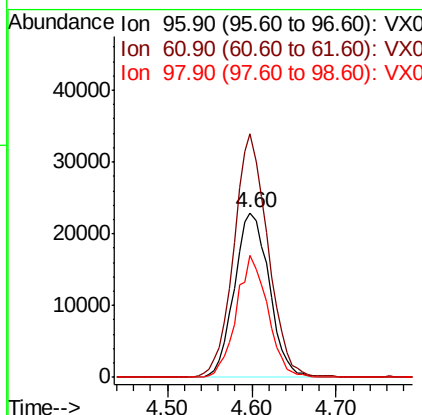
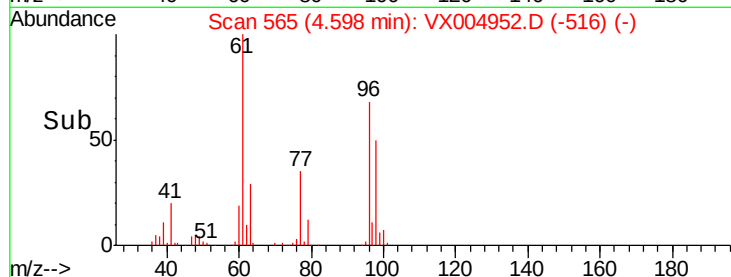
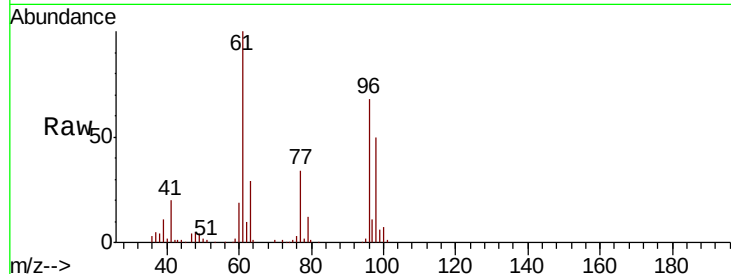
cis-1,2-Dichloroethene
Concen: 20.574 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX004952.D
Acq: 03 Oct 2018 07:33

Instrument :
MSVOA_X
ClientSampleId :
VX1003MBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.6	0.0	285.8
98	66.5	0.0	136.2

Manual Integrations
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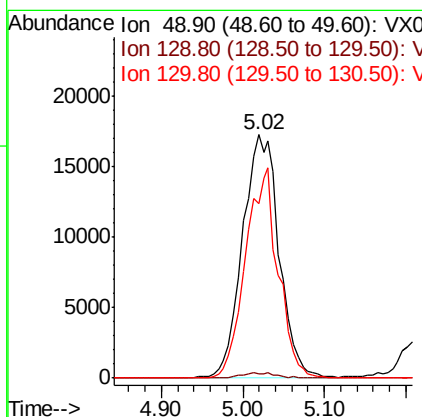
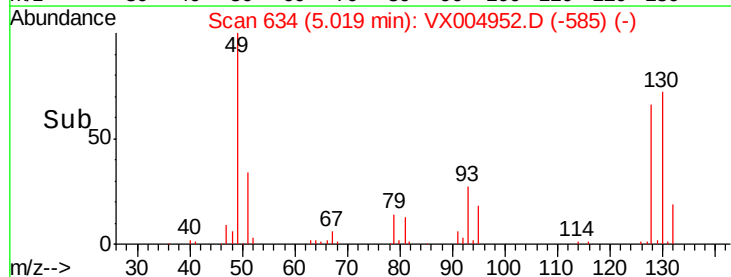
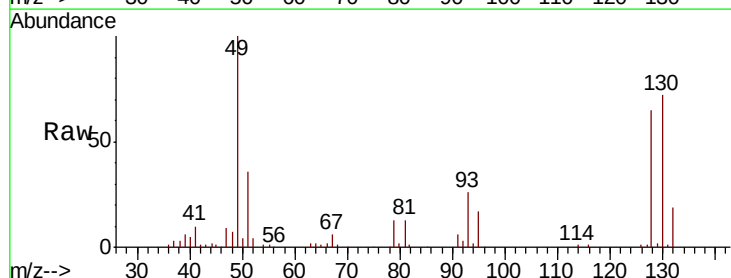
sam
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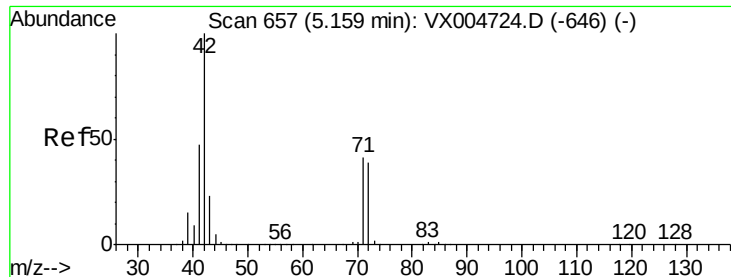


#28

Bromochloromethane
Concen: 20.416 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX004952.D
Acq: 03 Oct 2018 07:33

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	77.2	62.0	93.0





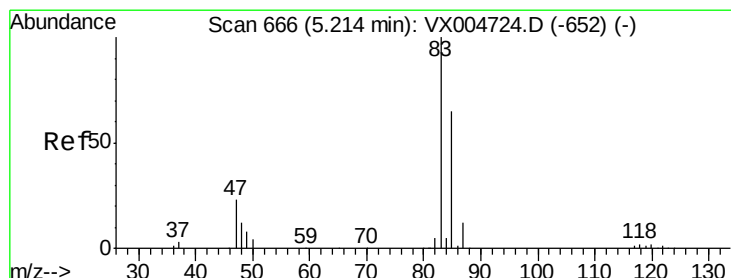
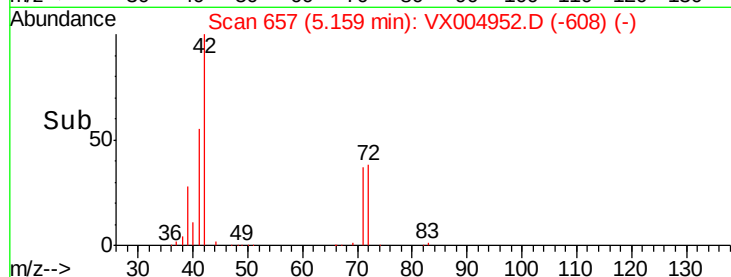
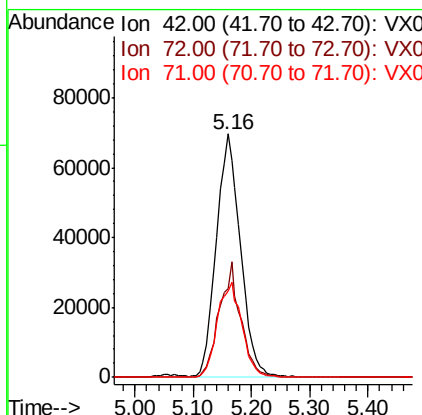
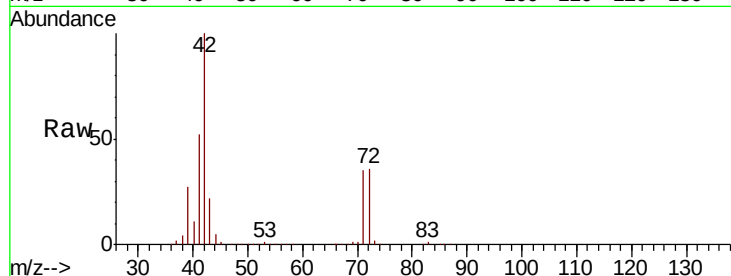
#29
Tetrahydrofuran
Concen: 110.781 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.00 min
Lab File: VX004952.D
Acq: 03 Oct 2018 07:33

Instrument :
MSVOA_X
ClientSampleId :
VX1003MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	33.7	50.5
71	39.9	32.2	48.4

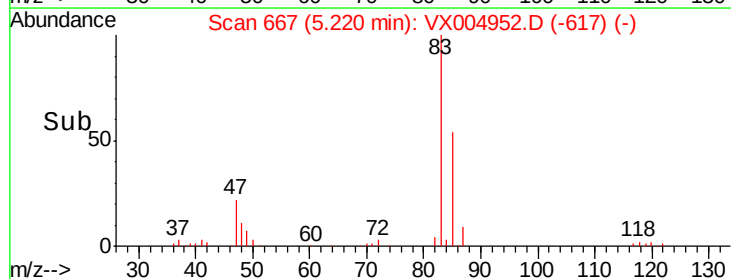
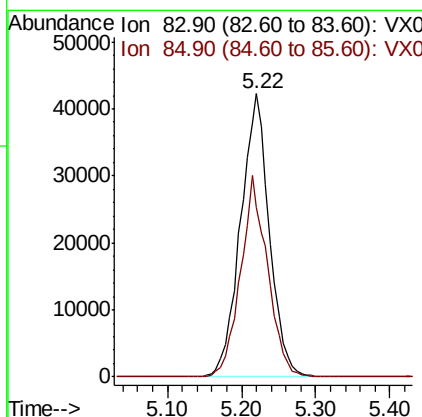
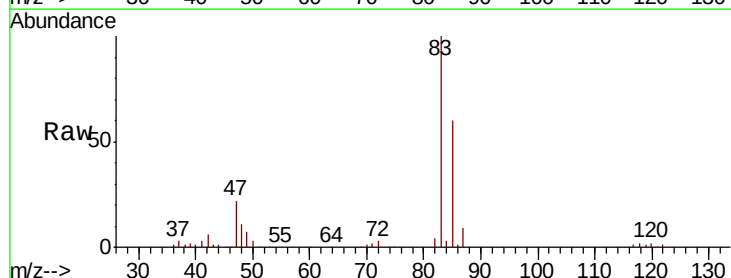
Manual Integrations
APPROVED

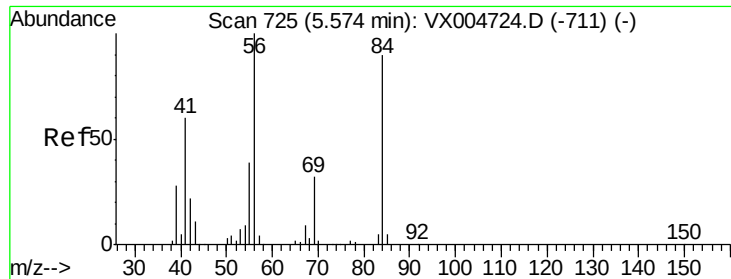
sam
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#30
Chloroform
Concen: 21.697 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX004952.D
Acq: 03 Oct 2018 07:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.1	52.4	78.6





#31

Cyclohexane

Concen: 23.461 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX004952.D

Acq: 03 Oct 2018 07:33

Instrument :

MSVOA_X

ClientSampleId :

VX1003MBS01

Tot Ion: 56 Resp: 100281

Ion Ratio Lower Upper

56 100

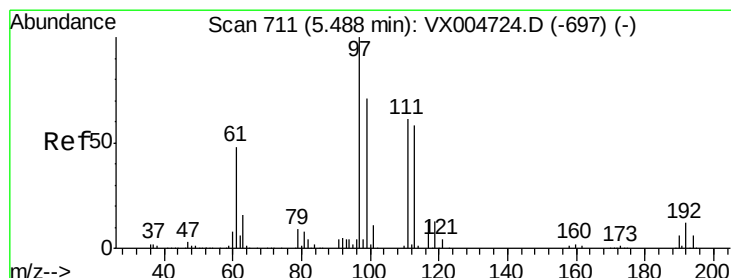
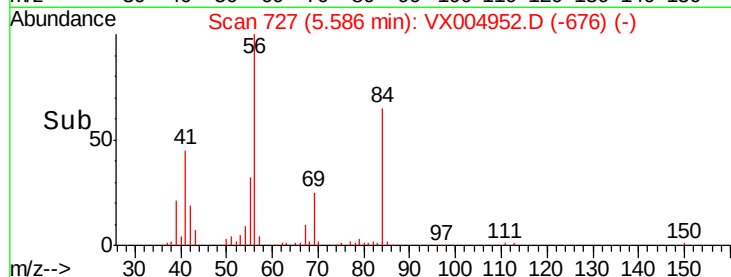
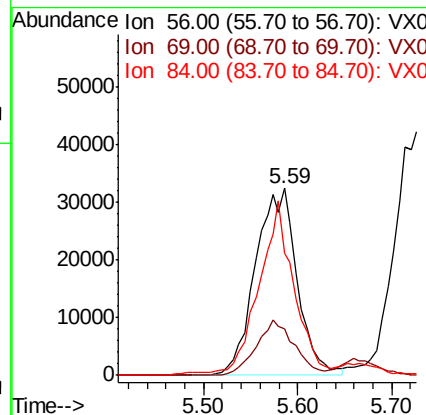
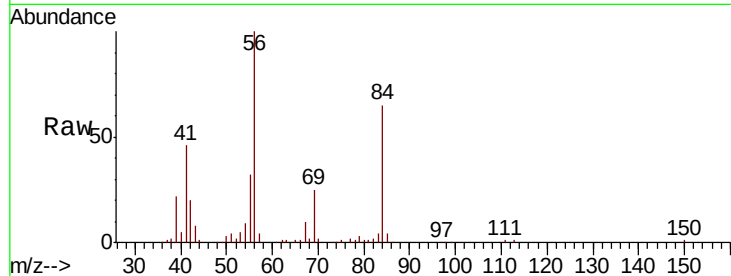
69 25.1 25.9 38.9#

84 63.8 71.9 107.9#

Manual Integrations
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sam

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#32

1,1,1-Trichloroethane

Concen: 21.893 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX004952.D

Acq: 03 Oct 2018 07:33

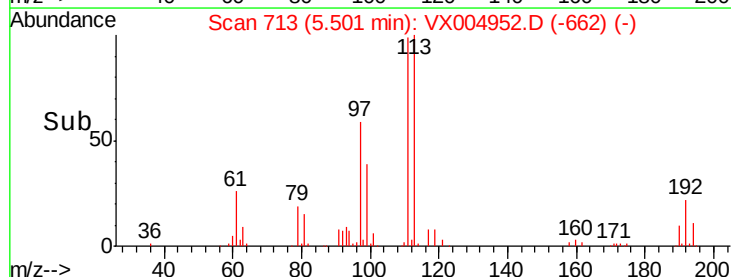
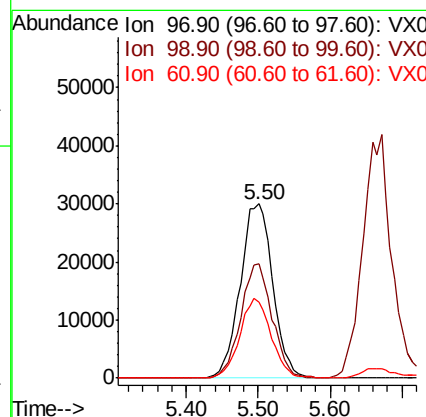
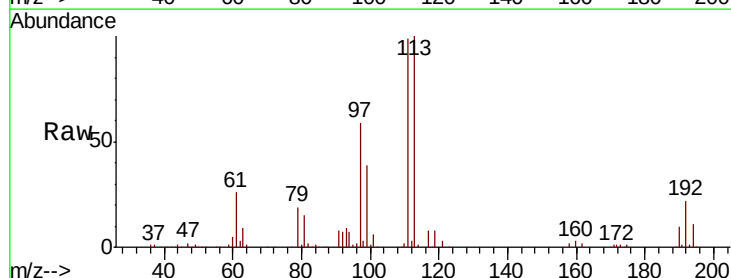
Tgt Ion: 97 Resp: 94370

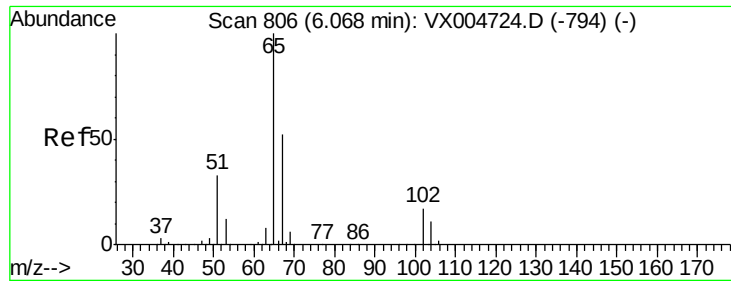
Ion Ratio Lower Upper

97 100

99 63.1 54.6 82.0

61 43.9 37.5 56.3





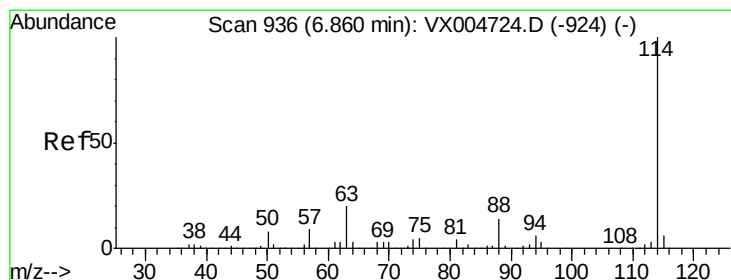
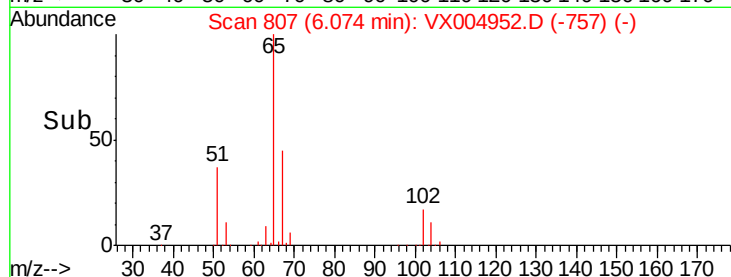
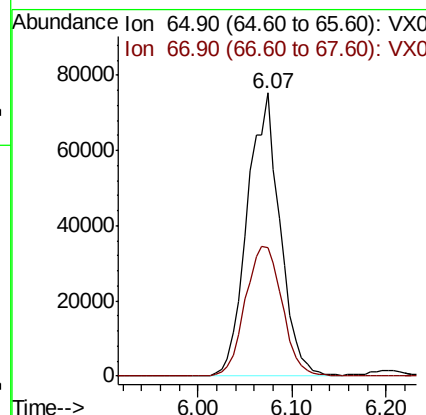
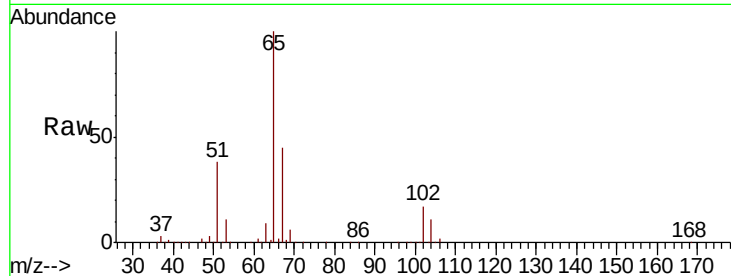
#33
 1,2-Dichloroethane-d4
 Concen: 54.301 ug/l
 RT: 6.07 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX004952.D
 Acq: 03 Oct 2018 07:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1003MBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	107.4

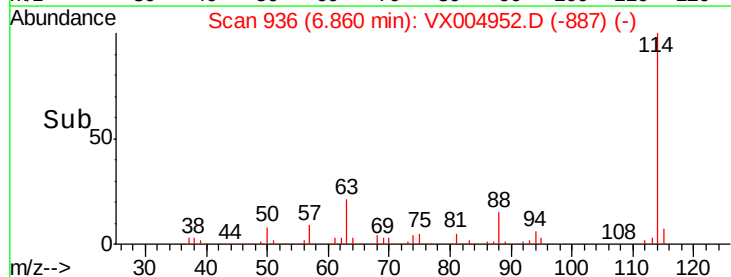
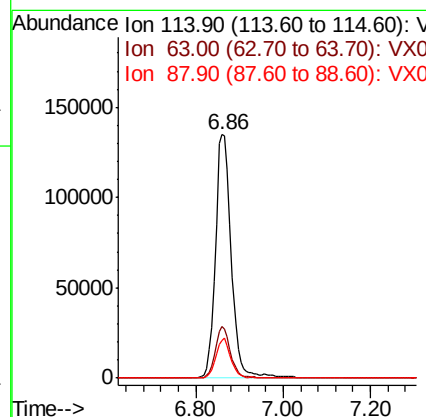
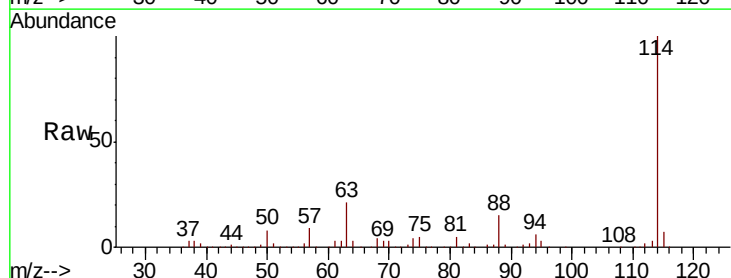
Manual Integrations
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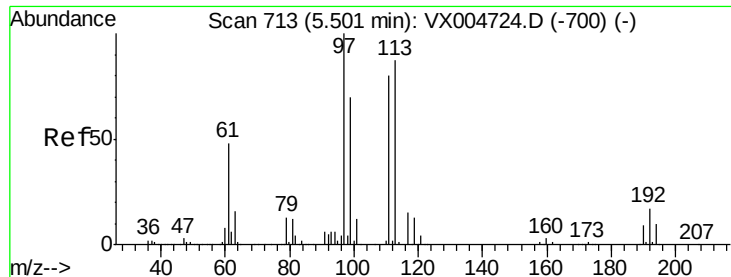
sam
 10/3/2018 5:57:20 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004952.D
 Acq: 03 Oct 2018 07:33

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	39.8
88	15.3	0.0	27.0





#35

Dibromofluoromethane

Concen: 50.083 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX004952.D

Acq: 03 Oct 2018 07:33

Instrument :

MSVOA_X

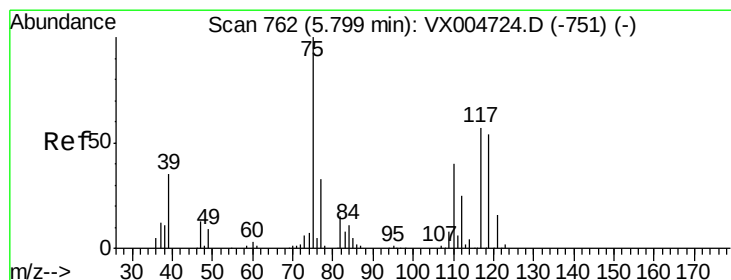
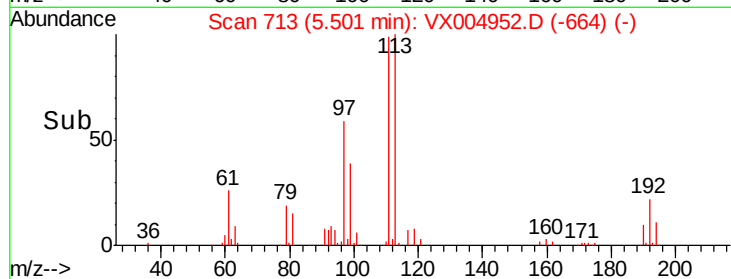
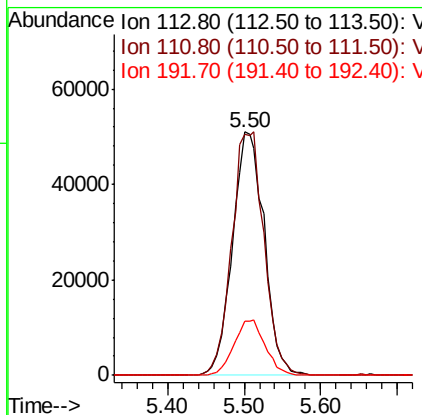
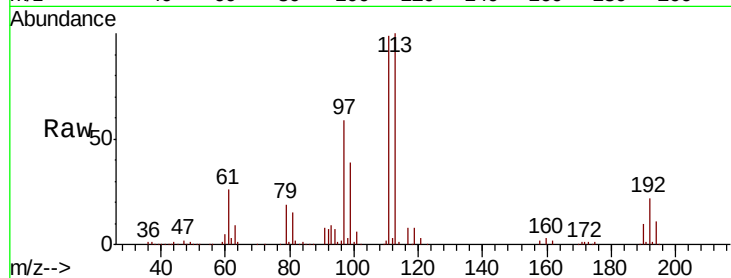
ClientSampleId :

VX1003MBS01

Tot Ion:	113	Resp:	146217
Ion Ratio	Lower	Upper	
113	100		
111	101.5	77.0	115.4
192	22.4	17.0	25.6

Manual Integrations
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sam
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#36

1,1-Dichloropropene

Concen: 20.142 ug/l

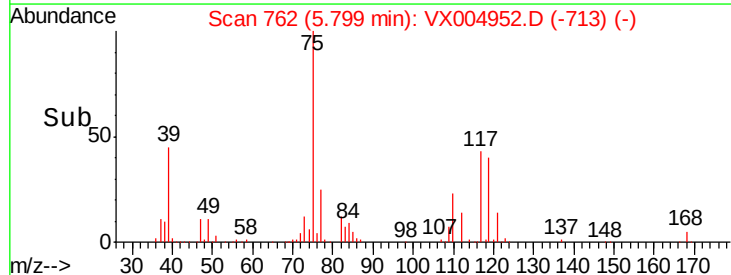
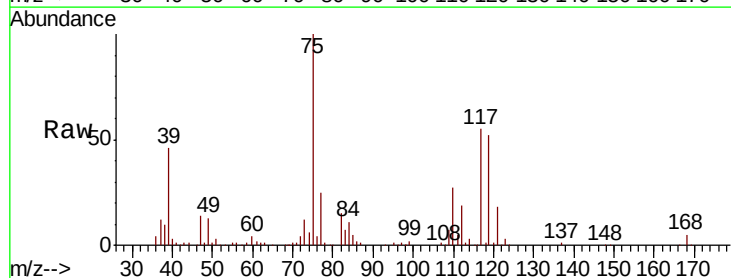
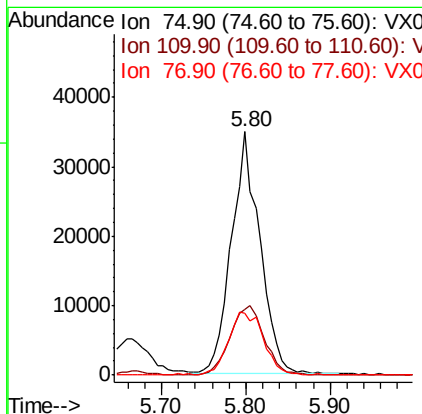
RT: 5.80 min Scan# 762

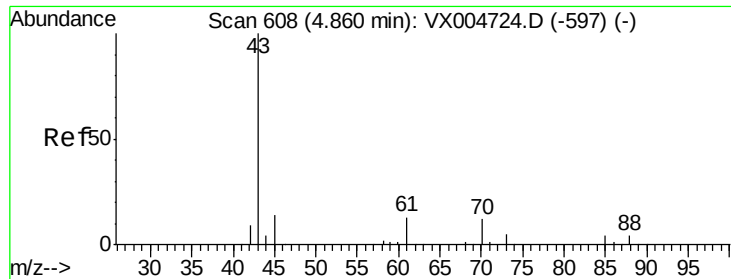
Delta R.T. 0.00 min

Lab File: VX004952.D

Acq: 03 Oct 2018 07:33

Tgt Ion:	75	Resp:	80230
Ion Ratio	Lower	Upper	
75	100		
110	34.2	20.0	59.9
77	32.1	27.1	40.7





#37

Ethyl Acetate

Concen: 20.801 ug/l

RT: 4.85 min Scan# 607

Delta R.T. -0.01 min

Lab File: VX004952.D

Acq: 03 Oct 2018 07:33

Instrument :

MSVOA_X

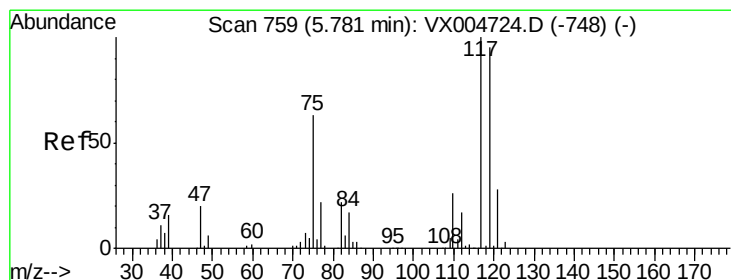
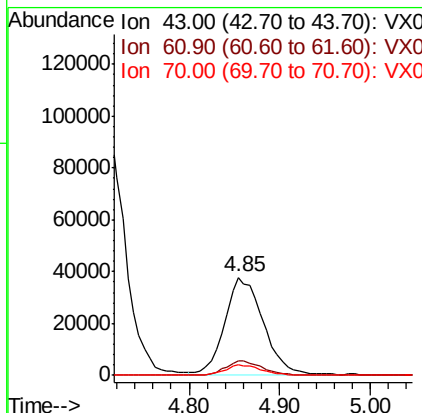
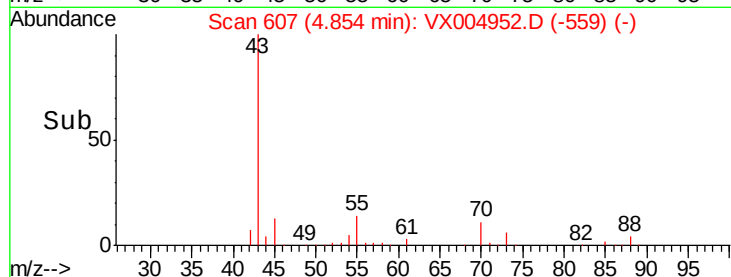
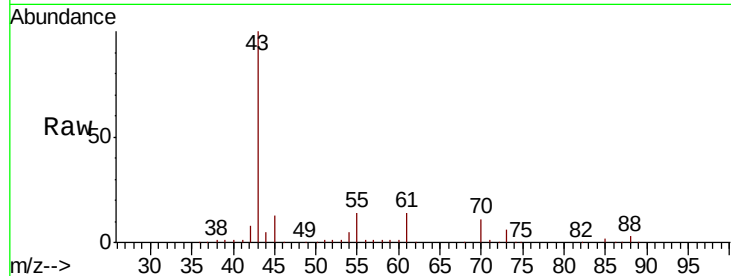
ClientSampleId :

VX1003MBS01

Tot Ion:	43	Resp:	109982
Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.4	15.6
70	10.2	8.7	13.1

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 19.437 ug/l

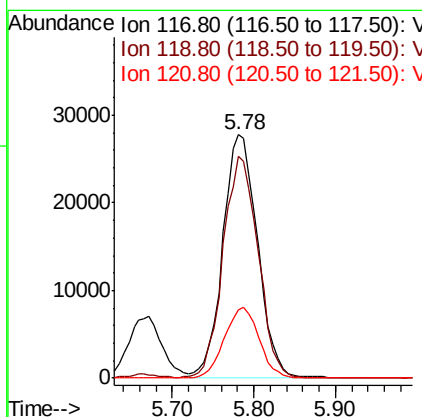
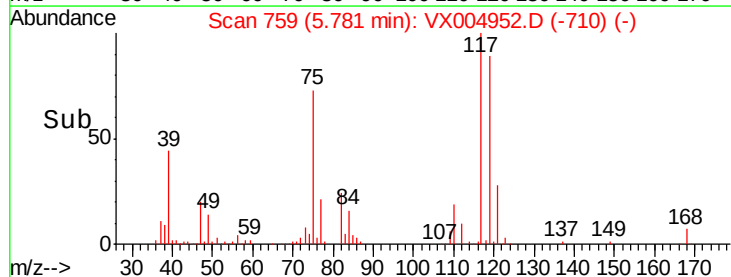
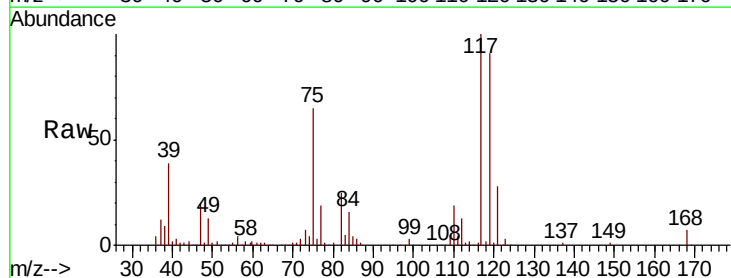
RT: 5.78 min Scan# 759

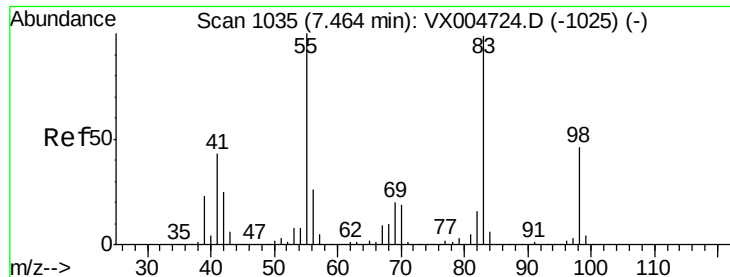
Delta R.T. 0.00 min

Lab File: VX004952.D

Acq: 03 Oct 2018 07:33

Tgt Ion:	117	Resp:	81386
Ion	Ratio	Lower	Upper
117	100		
119	91.2	75.2	112.8
121	28.1	22.5	33.7





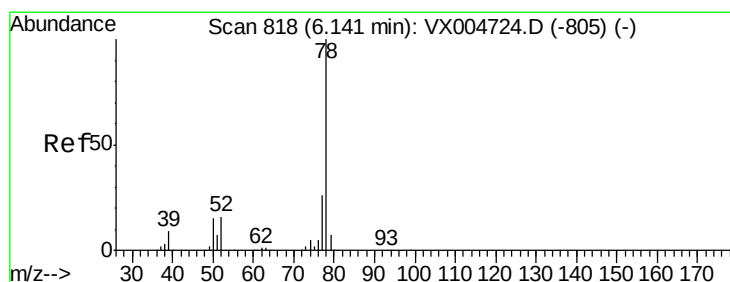
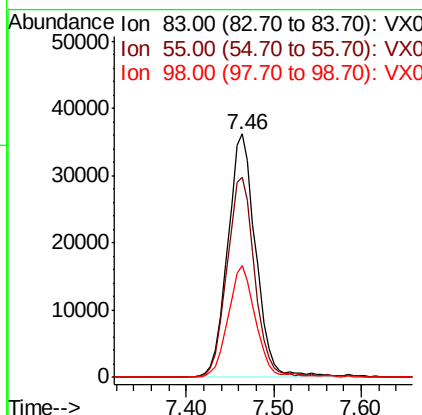
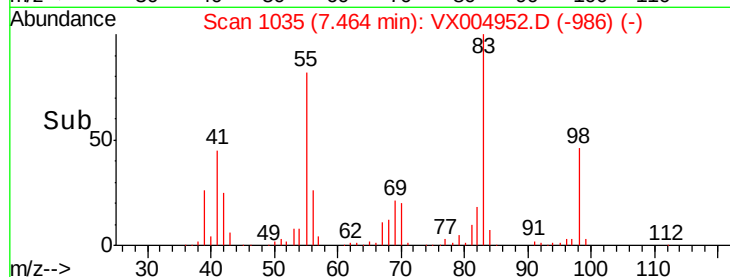
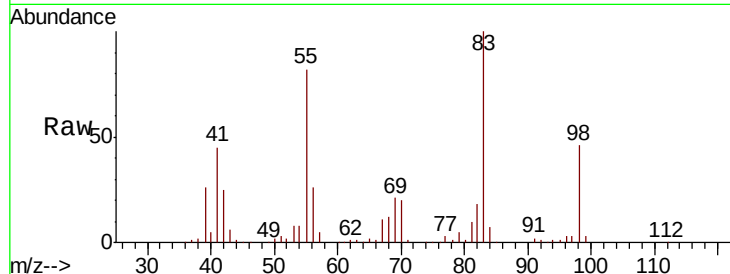
#39
Methylvlcyclohexane
Concen: 19.941 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX004952.D
Acq: 03 Oct 2018 07:33

Instrument :
MSVOA_X
ClientSampleId :
VX1003MBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.1	81.1	121.7
98	45.8	37.3	55.9

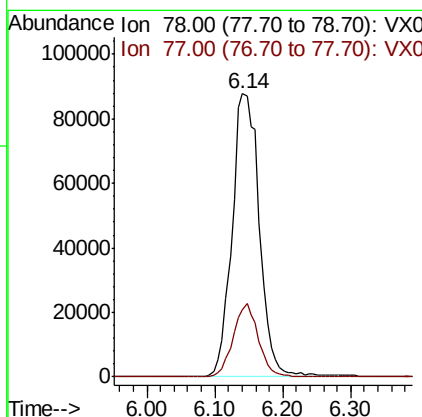
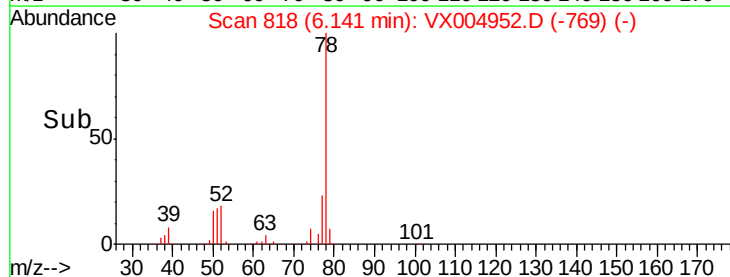
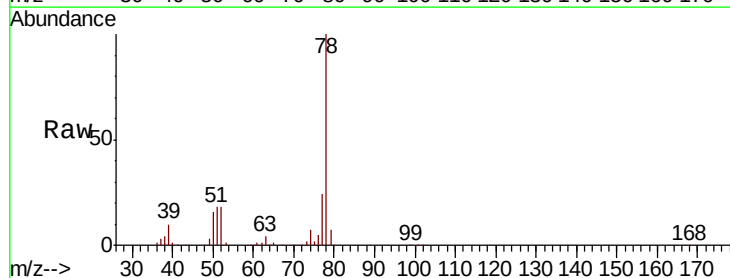
Manual Integrations
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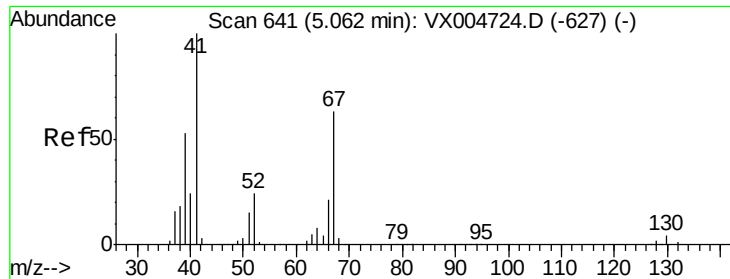
sam
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#40
Benzene
Concen: 19.681 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX004952.D
Acq: 03 Oct 2018 07:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	21.0	31.4





#41

Methacrylonitrile

Concen: 20.662 ug/l

RT: 5.07 min Scan# 642

Delta R.T. 0.01 min

Lab File: VX004952.D

Acq: 03 Oct 2018 07:33

Instrument :

MSVOA_X

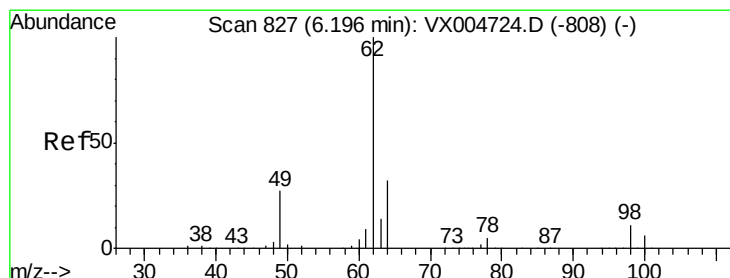
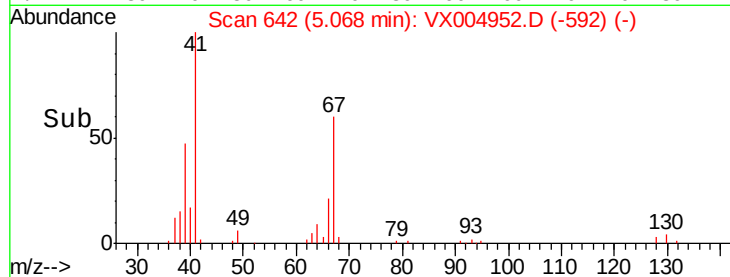
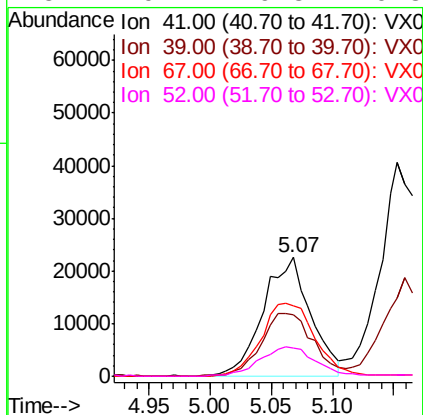
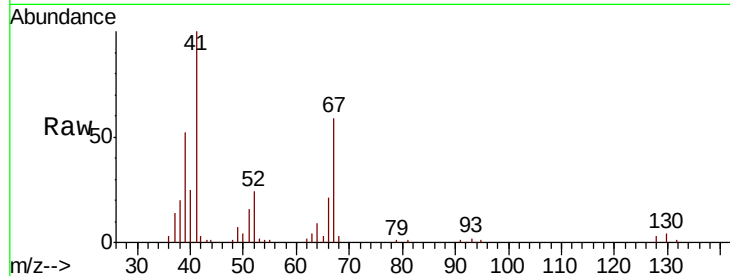
ClientSampleId :

VX1003MBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	59.0	42.5	63.7	
67	70.3	53.0	79.6	
52	29.7	19.8	29.8	

Manual Integrations
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sam
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#42

1,2-Dichloroethane

Concen: 19.812 ug/l

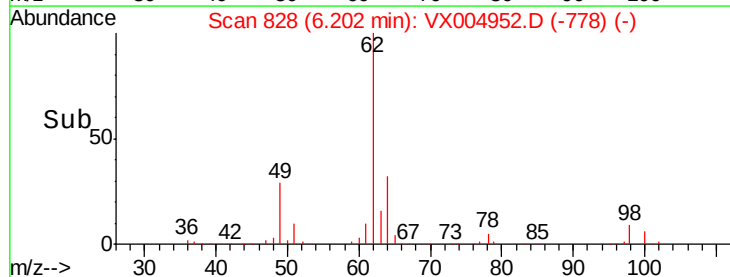
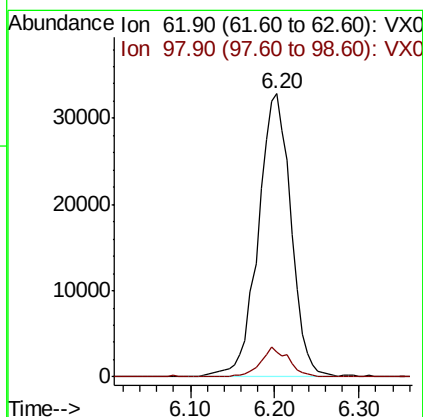
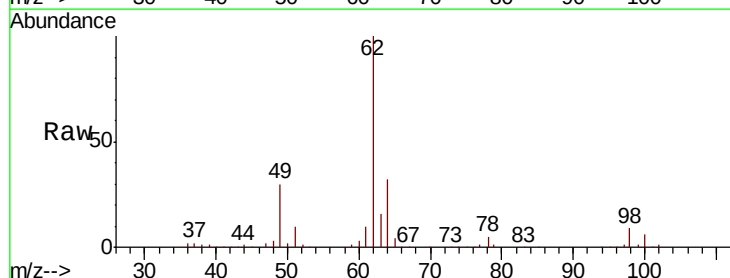
RT: 6.20 min Scan# 828

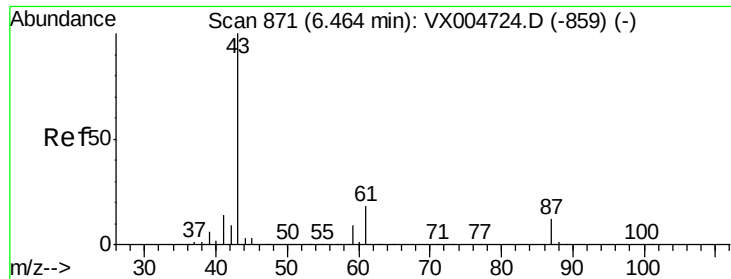
Delta R.T. 0.01 min

Lab File: VX004952.D

Acq: 03 Oct 2018 07:33

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.2	0.0	20.2	





#43

Isopropyl Acetate

Concen: 20.817 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX004952.D

Acq: 03 Oct 2018 07:33

Instrument :

MSVOA_X

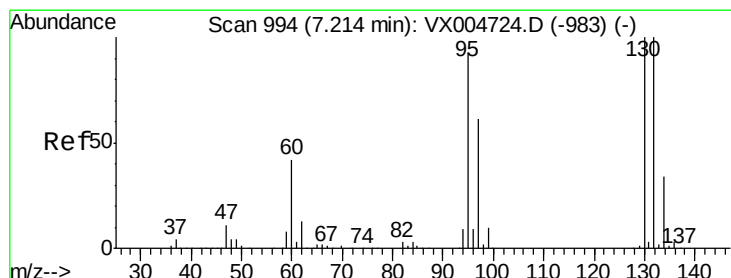
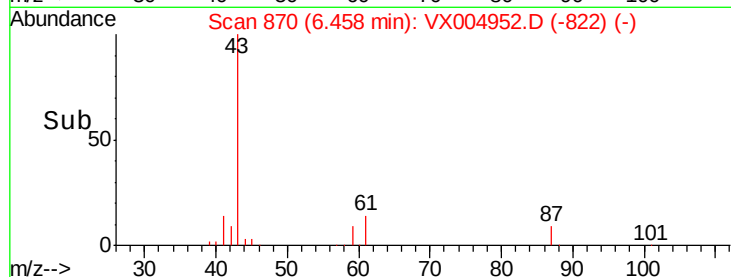
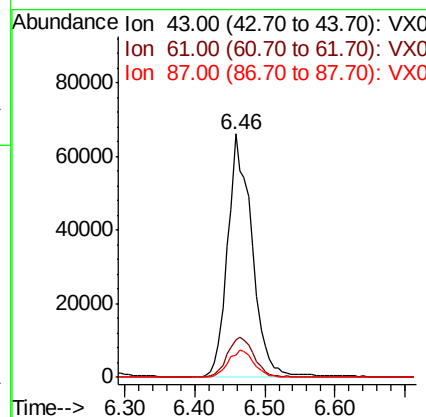
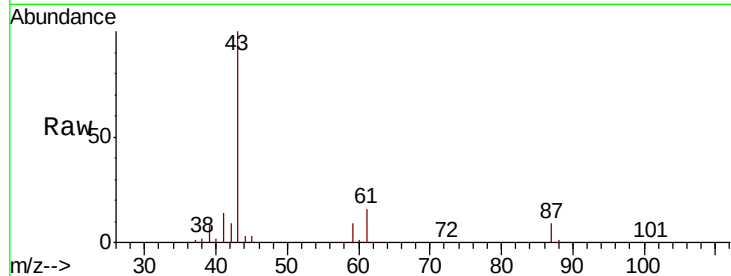
ClientSampleId :

VX1003MBSD01

Tot Ion:	43	Resp:	158871
Ion	Ratio	Lower	Upper
43	100		
61	18.4	14.2	21.4
87	11.9	9.3	13.9

Manual Integrations
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sam
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#44

Trichloroethene

Concen: 21.063 ug/l

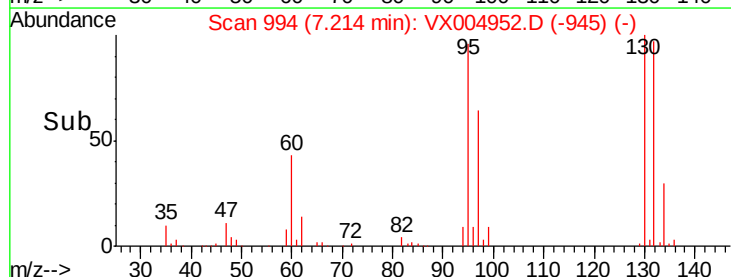
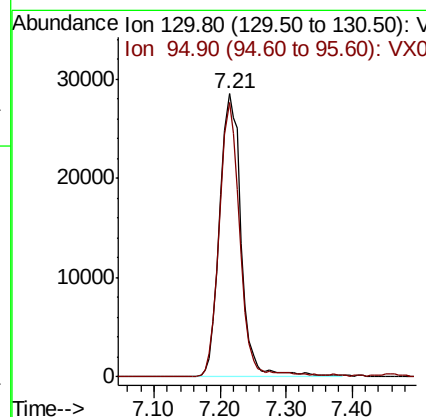
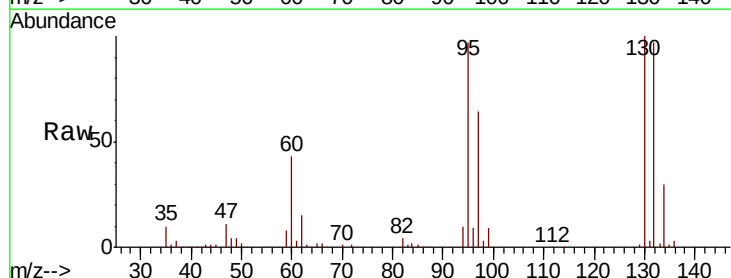
RT: 7.21 min Scan# 994

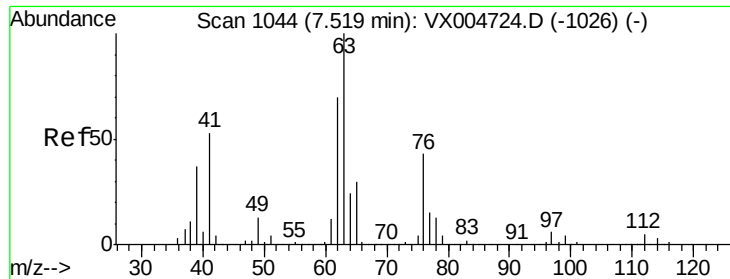
Delta R.T. 0.00 min

Lab File: VX004952.D

Acq: 03 Oct 2018 07:33

Tgt Ion:	130	Resp:	64571
Ion	Ratio	Lower	Upper
130	100		
95	96.8	0.0	186.8





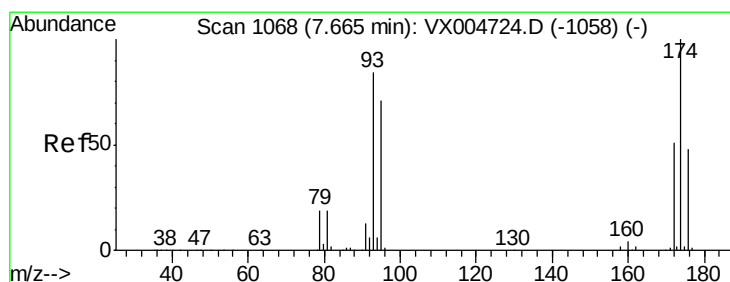
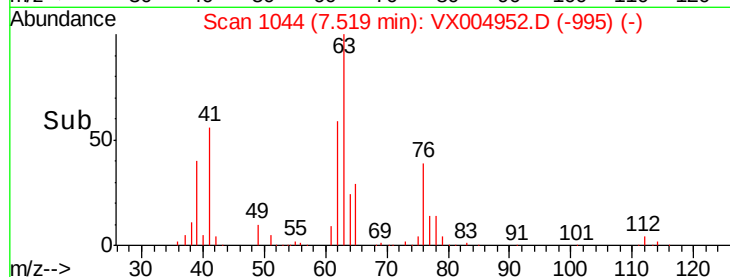
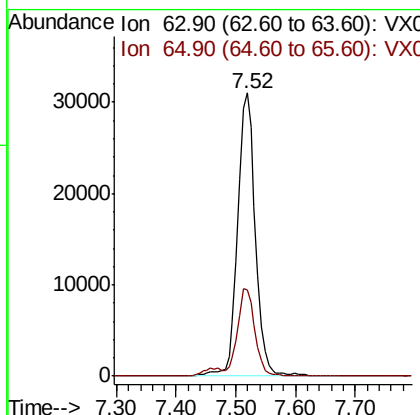
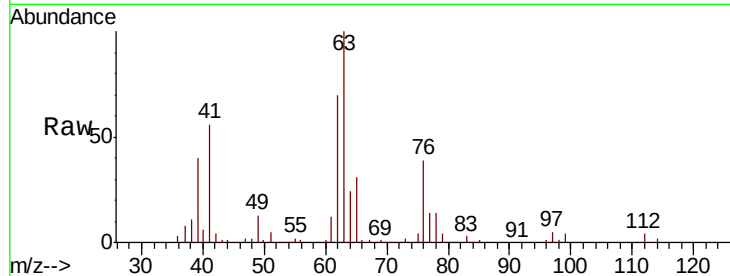
#45
1,2-Dichloropropane
Concen: 21.039 ug/l
RT: 7.52 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VX004952.D
Acq: 03 Oct 2018 07:33

Instrument :
MSVOA_X
ClientSampled :
VX1003MBSD01

Tot Ion: 63 Resp: 64340
Ion Ratio Lower Upper
63 100
65 30.5 23.9 35.9

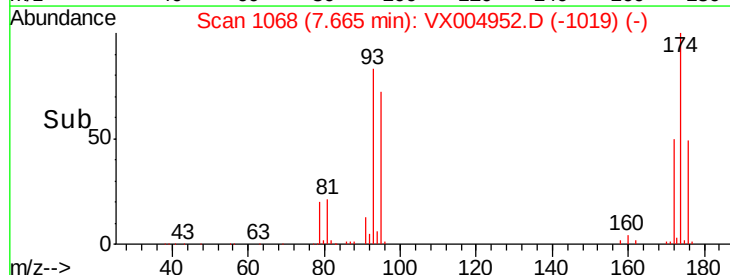
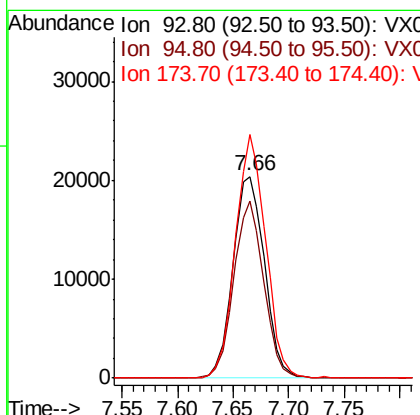
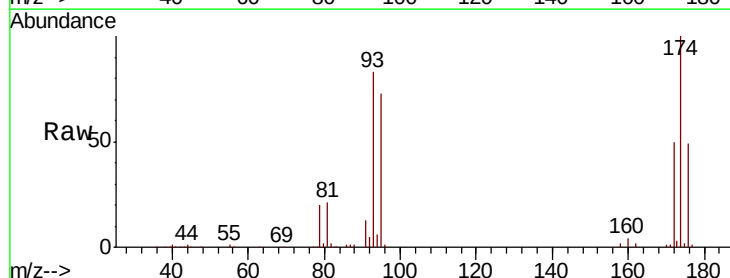
Manual Integrations
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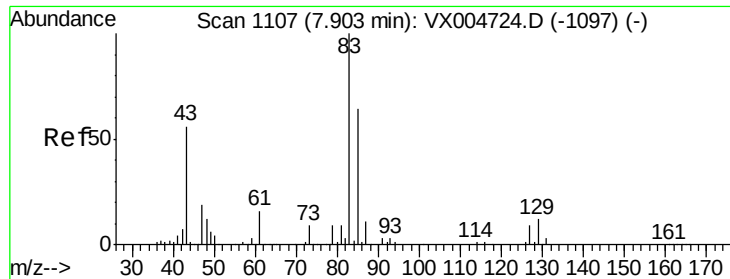
sam
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#46
Dibromomethane
Concen: 20.770 ug/l
RT: 7.66 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VX004952.D
Acq: 03 Oct 2018 07:33

Tgt Ion: 93 Resp: 39918
Ion Ratio Lower Upper
93 100
95 84.1 66.7 100.1
174 116.3 92.7 139.1





#47

Bromodichloromethane

Concen: 21.321 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VX004952.D

Acq: 03 Oct 2018 07:33

Instrument :

MSVOA_X

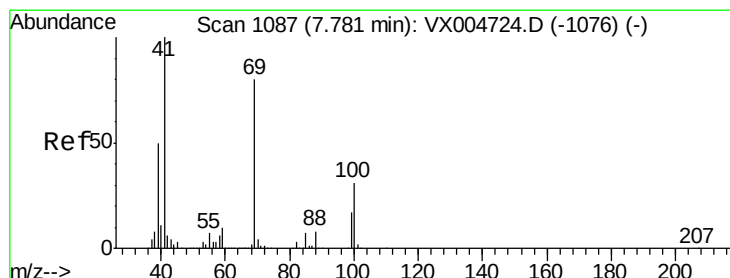
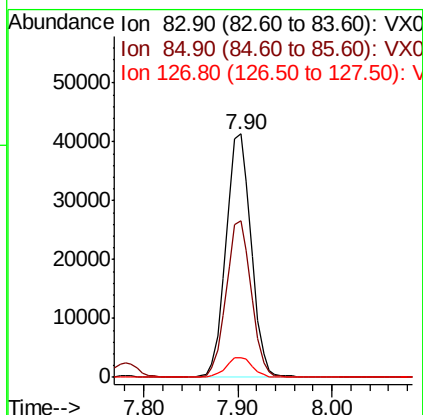
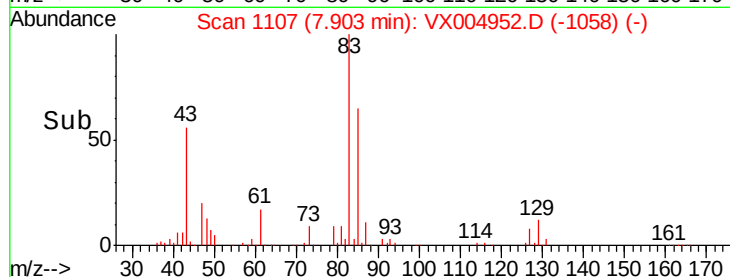
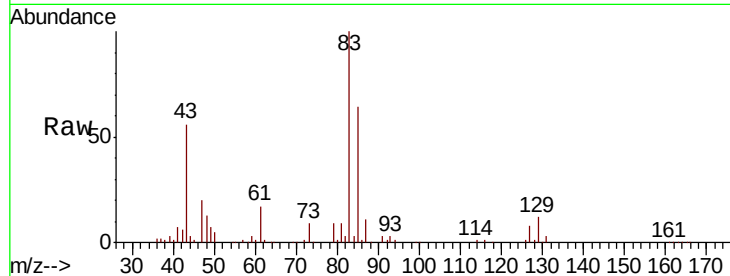
ClientSampleId :

VX1003MBS01

Tot Ion:	83	Resp:	76719
Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.2	76.8
127	8.3	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 22.158 ug/l

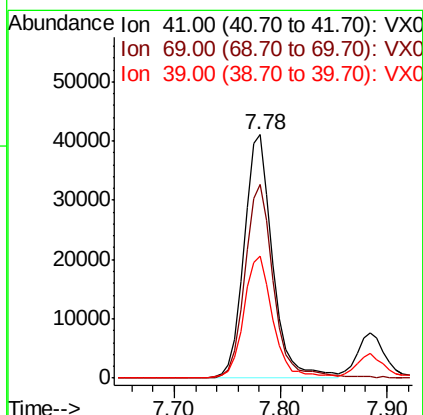
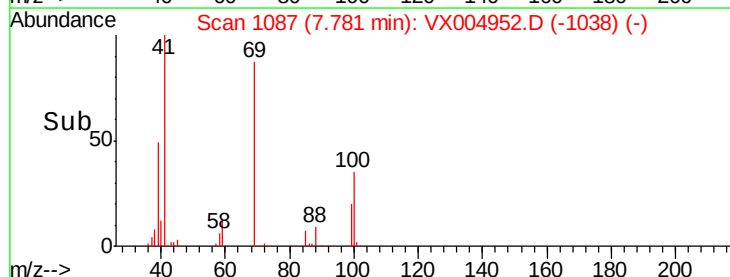
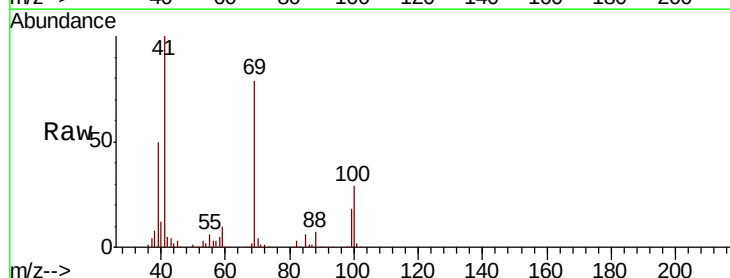
RT: 7.78 min Scan# 1087

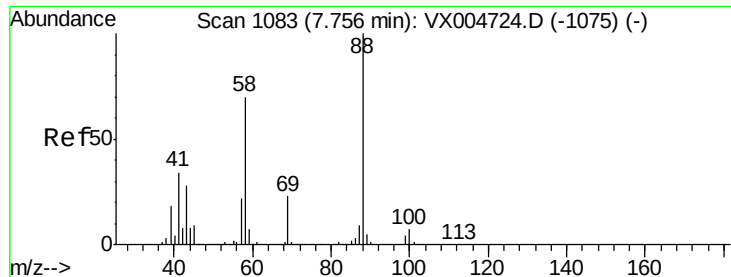
Delta R.T. 0.00 min

Lab File: VX004952.D

Acq: 03 Oct 2018 07:33

Tgt Ion:	41	Resp:	76754
Ion	Ratio	Lower	Upper
41	100		
69	80.8	63.8	95.6
39	51.2	40.7	61.1





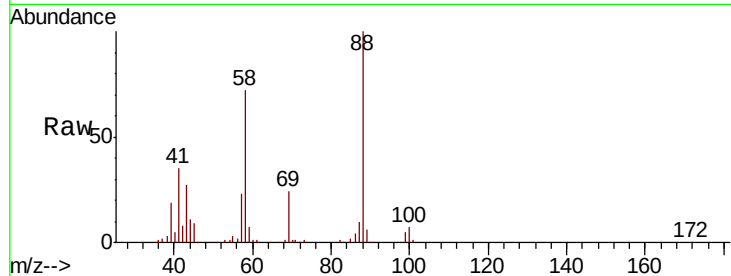
#49
1,4-Dioxane
Concen: 419.516 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VX004952.D
Acq: 03 Oct 2018 07:33

Instrument :
MSVOA_X
ClientSampleId :
VX1003MBSD01

Tot Ion	88	Resp	36102
Ion Ratio	Lower	Upper	
88	100		
43	31.6	25.1	37.7
58	74.6	56.2	84.2

Manual Integrations
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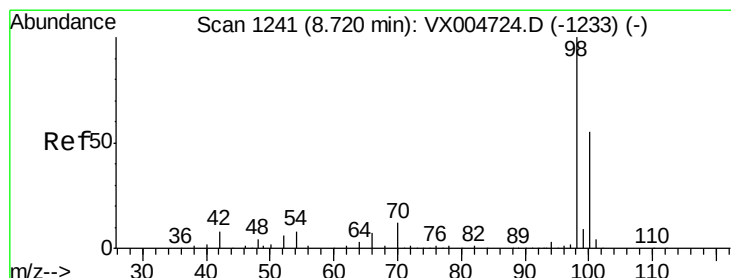
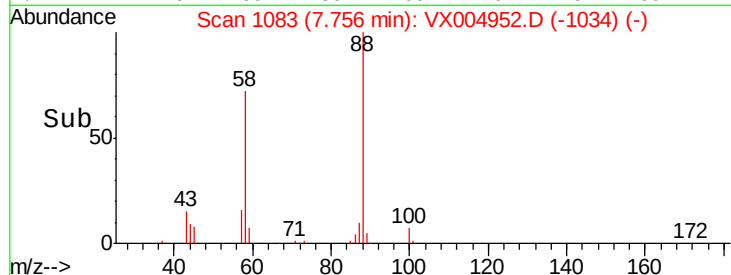
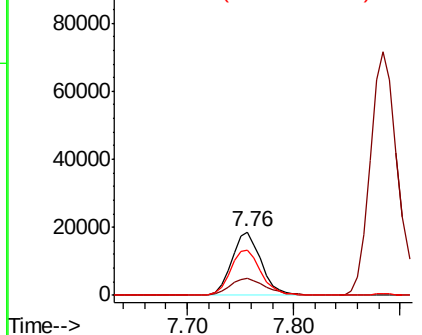


Abundance

Ion 88.00 (87.70 to 88.70): VX0

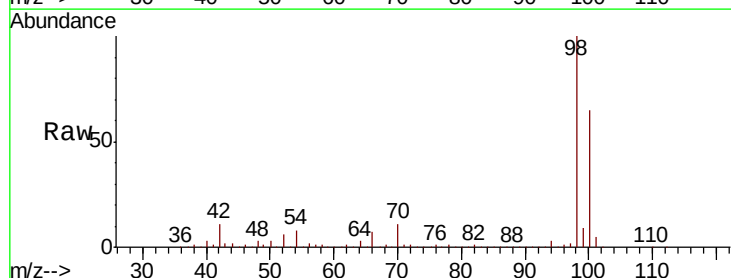
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 52.689 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX004952.D
Acq: 03 Oct 2018 07:33

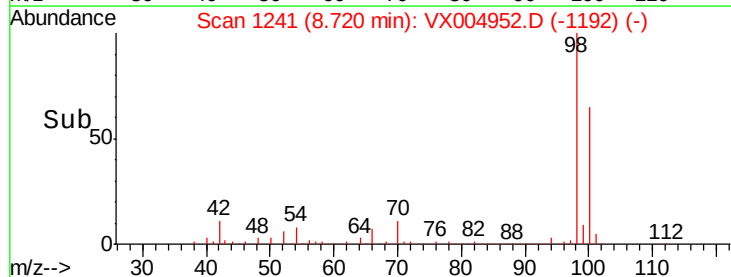
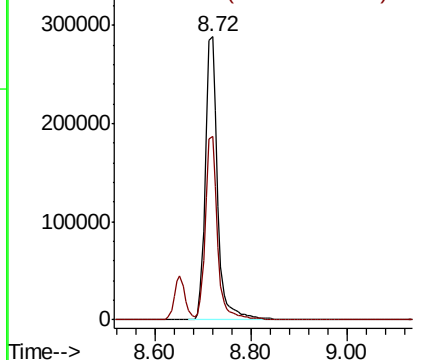
Tgt Ion	98	Resp	511392
Ion Ratio	Lower	Upper	
98	100		
100	64.8	51.9	77.9

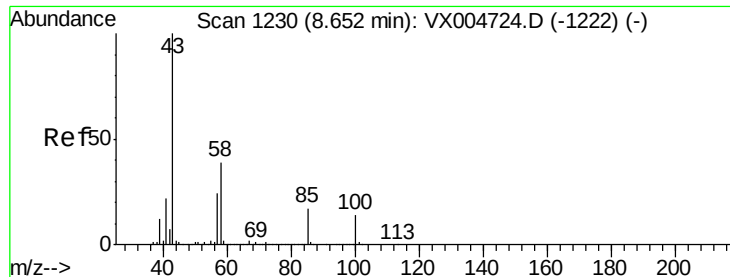


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 111.966 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VX004952.D

Acq: 03 Oct 2018 07:33

Instrument :

MSVOA_X

ClientSampled :

VX1003MBS01

Tot Ion: 43 Resp: 538019

Ion Ratio Lower Upper

43 100

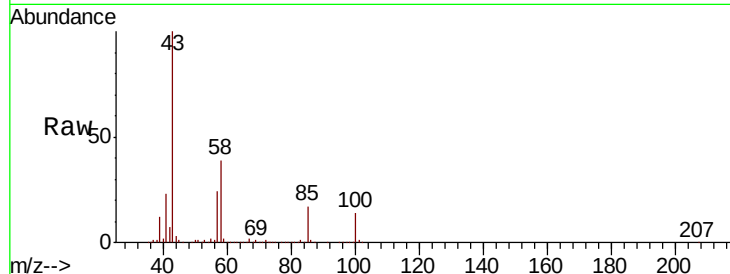
58 37.0 30.5 45.7

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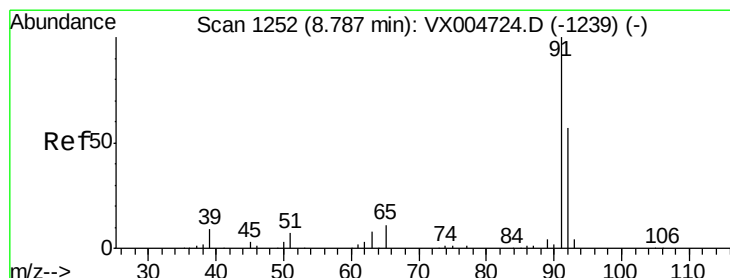
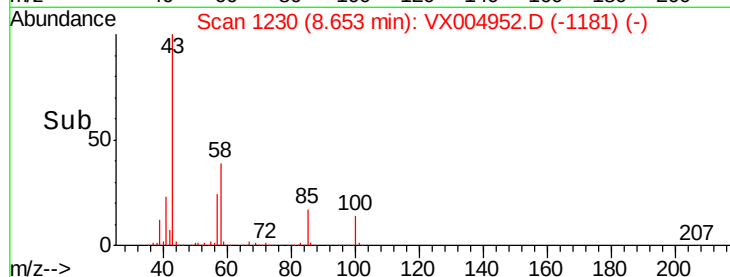
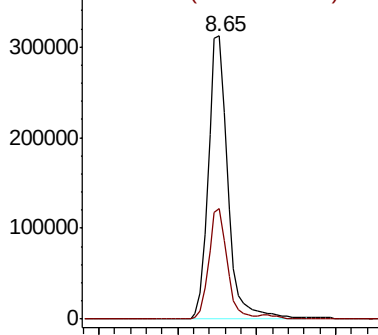
sam

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.972 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX004952.D

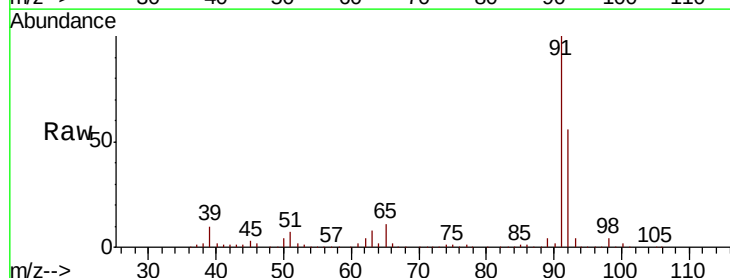
Acq: 03 Oct 2018 07:33

Tgt Ion: 92 Resp: 143709

Ion Ratio Lower Upper

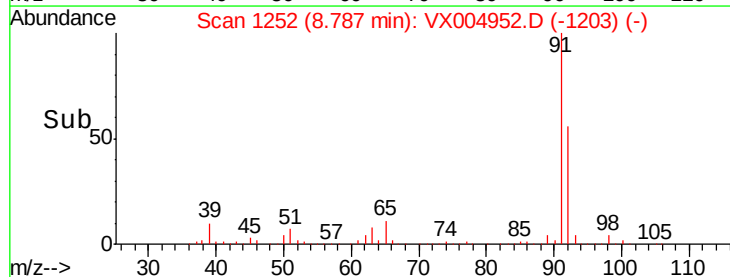
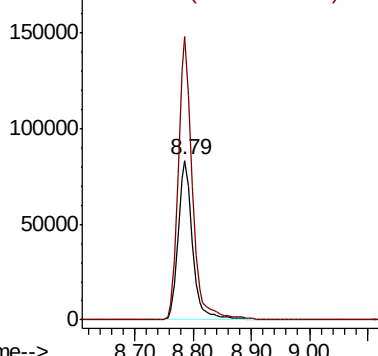
92 100

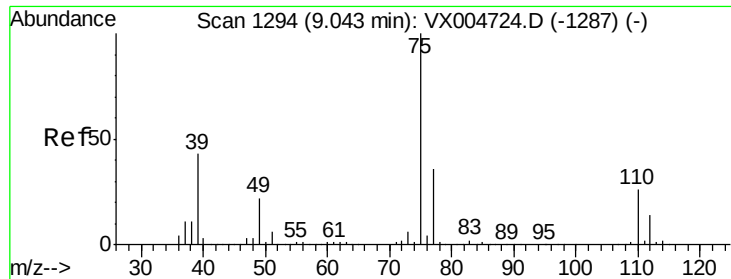
91 174.0 136.7 205.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





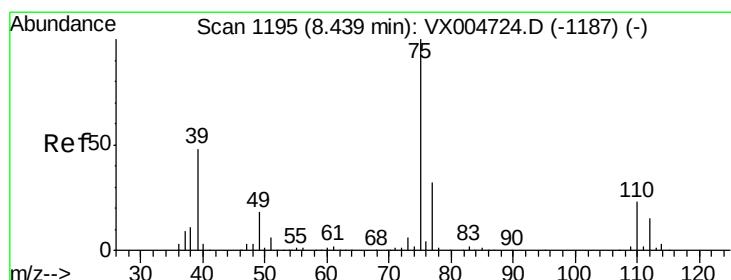
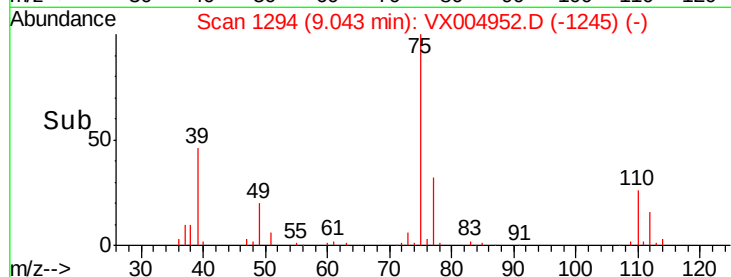
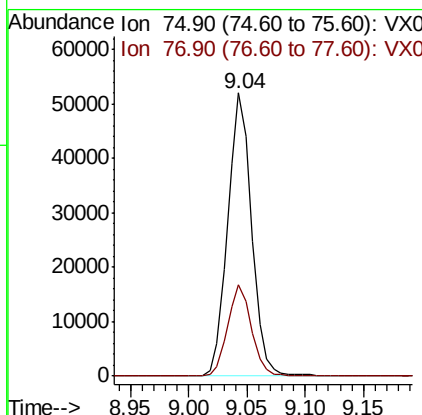
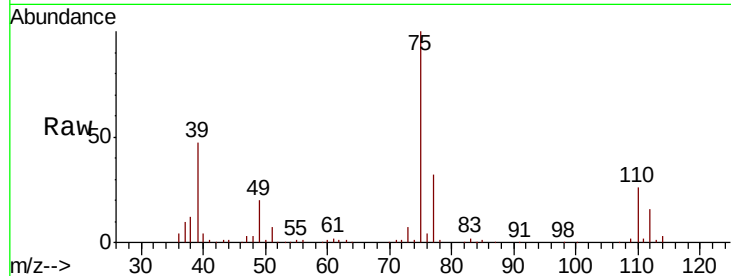
#53
 t-1,3-Dichloropropene
 Concen: 18.299 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX004952.D
 Acq: 03 Oct 2018 07:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1003MBS01

Tot Ion: 75 Resp: 74409
 Ion Ratio Lower Upper
 75 100
 77 32.4 28.9 43.3

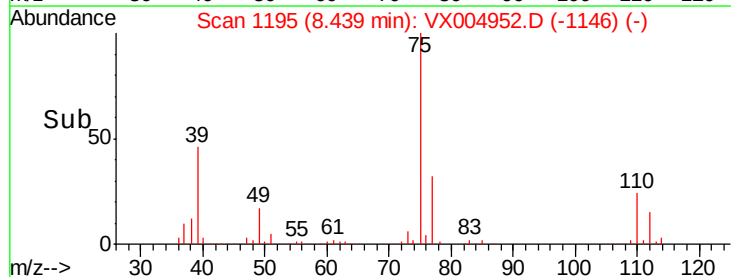
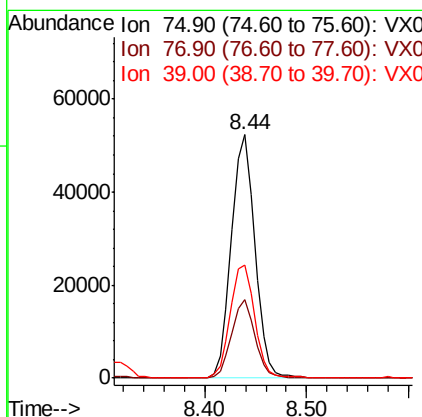
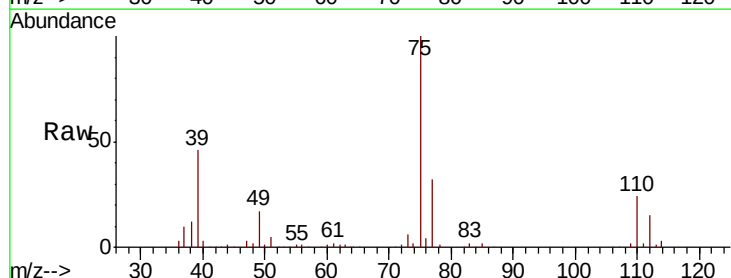
Manual Integrations
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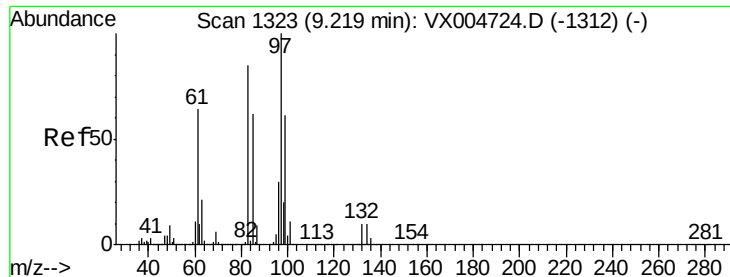
sam
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#54
 cis-1,3-Dichloropropene
 Concen: 19.644 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. 0.00 min
 Lab File: VX004952.D
 Acq: 03 Oct 2018 07:33

Tgt Ion: 75 Resp: 83665
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.7 38.5
 39 46.3 38.3 57.5





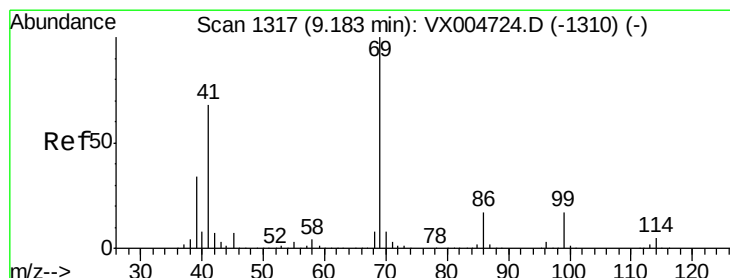
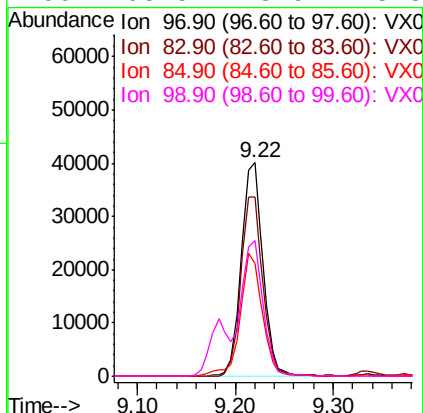
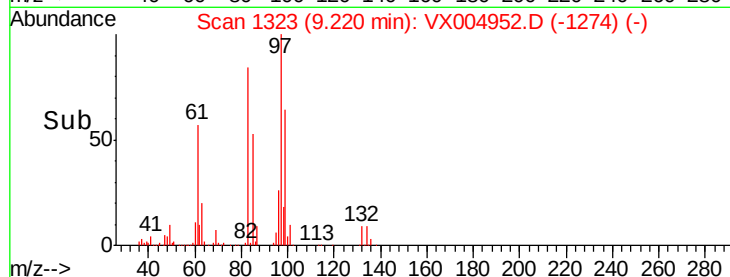
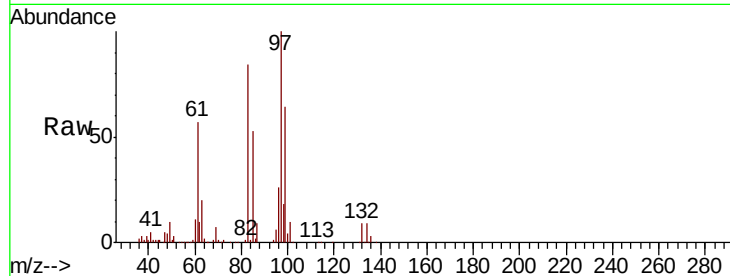
#55
 1,1,2-Trichloroethane
 Concen: 20.683 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX004952.D
 Acq: 03 Oct 2018 07:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1003MBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	83.9	68.2	102.2
85	52.6	49.9	74.9
99	63.5	48.9	73.3

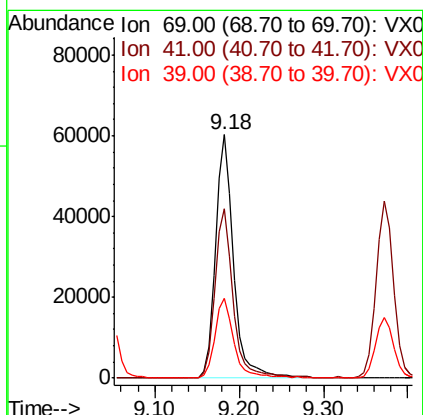
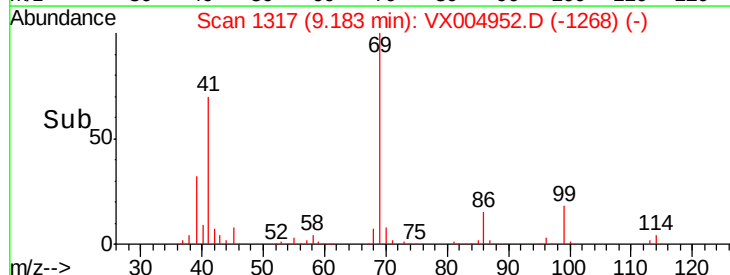
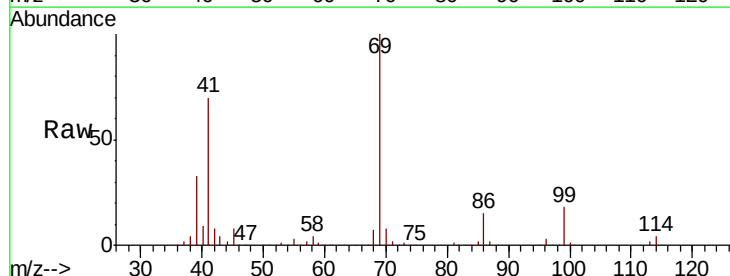
Manual Integrations
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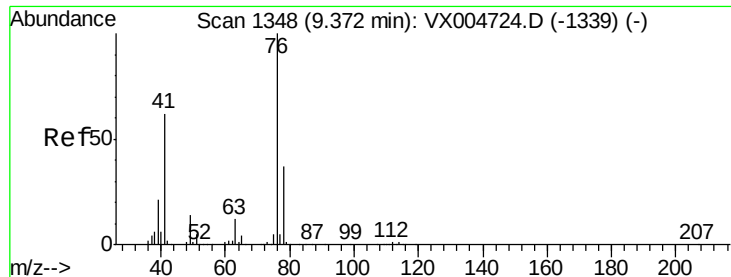
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#56
 Ethyl methacrylate
 Concen: 20.211 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX004952.D
 Acq: 03 Oct 2018 07:33

Tgt Ion	Ratio	Lower	Upper
69	100		
41	70.1	56.9	85.3
39	33.9	28.4	42.6





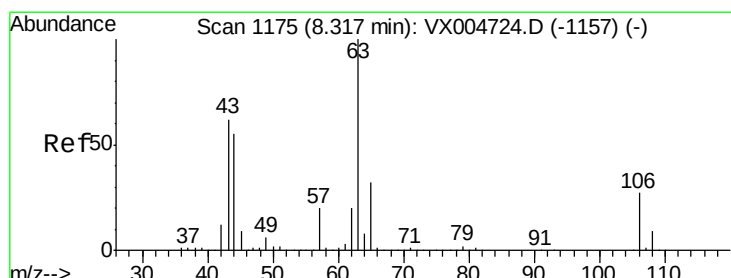
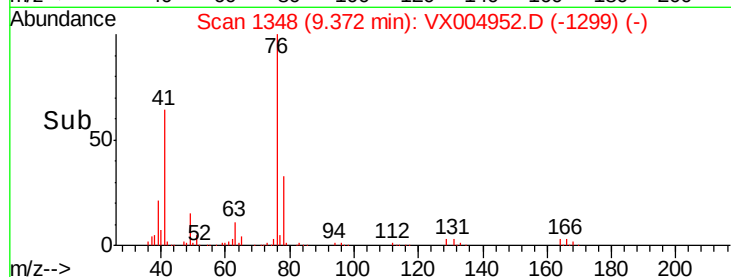
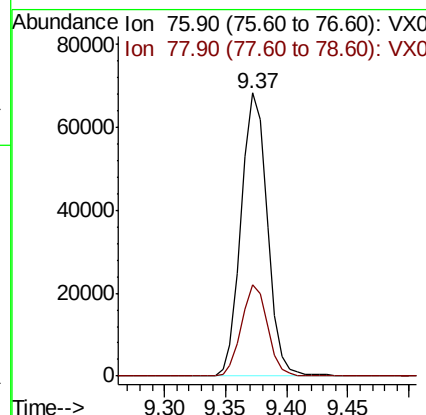
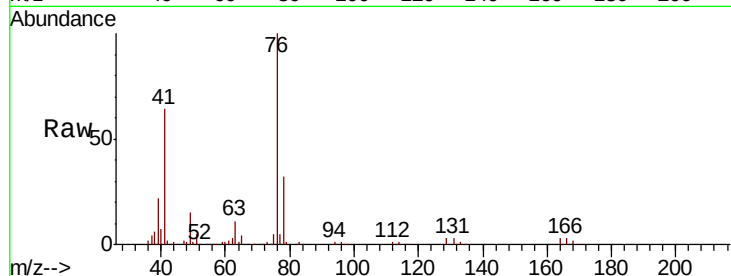
#57
 1,3-Dichloropropane
 Concen: 20.313 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX004952.D
 Acq: 03 Oct 2018 07:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1003MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.6	40.0

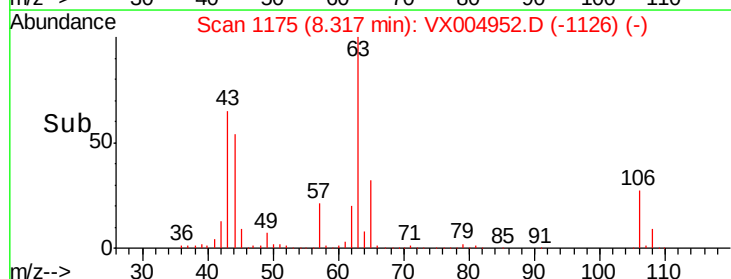
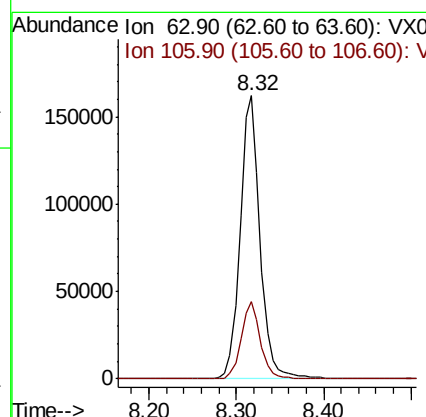
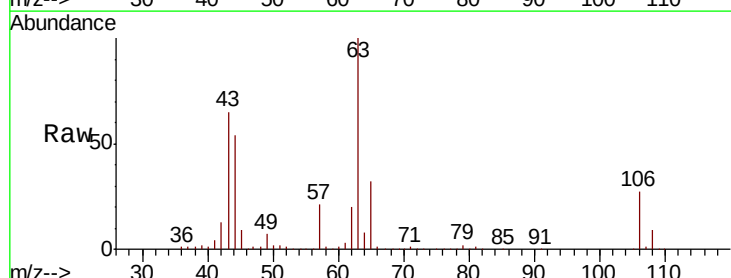
Manual Integrations
 APPROVED

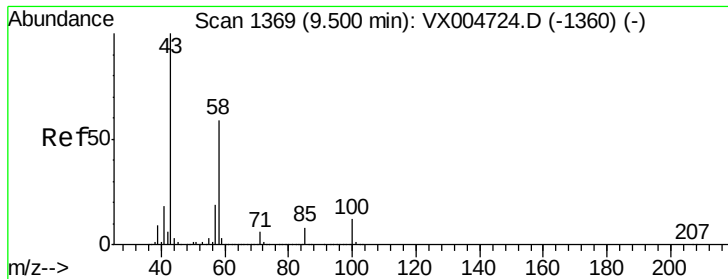
sam
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#58
 2-Chloroethyl Vinyl ether
 Concen: 107.593 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VX004952.D
 Acq: 03 Oct 2018 07:33

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.0	31.6





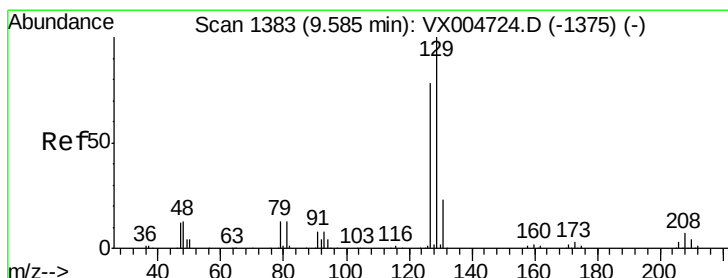
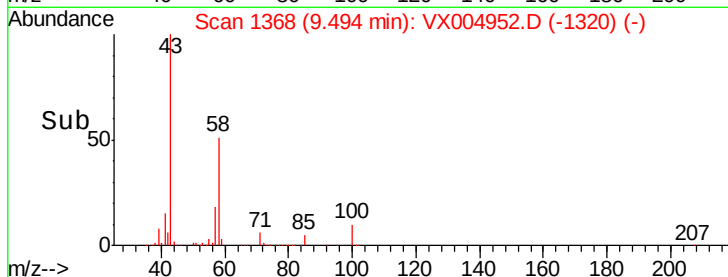
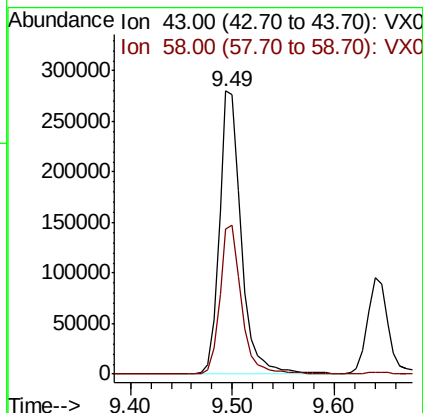
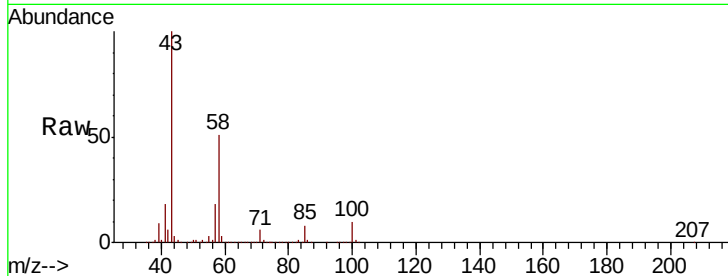
#59
2-Hexanone
Concen: 104.722 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX004952.D
Acq: 03 Oct 2018 07:33

Instrument :
MSVOA_X
ClientSampleId :
VX1003MBS01

Tot Ion: 43 Resp: 419335
Ion Ratio Lower Upper
43 100
58 52.1 28.4 85.3

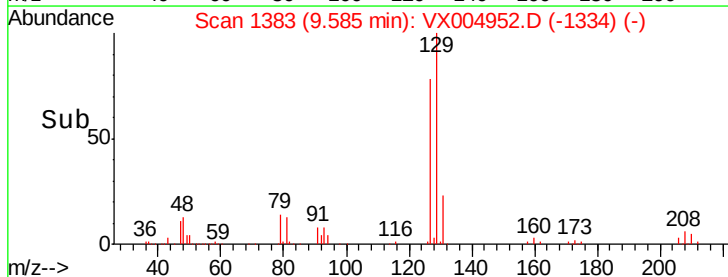
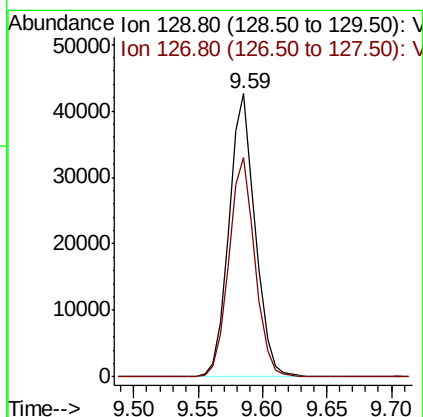
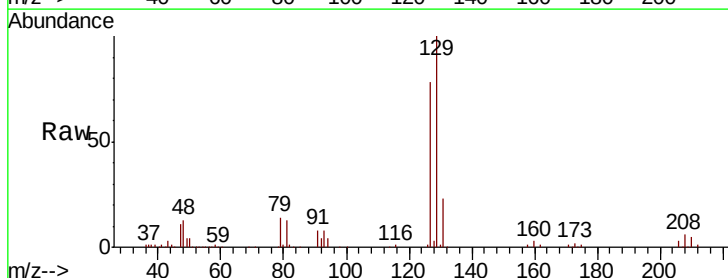
Manual Integrations
APPROVED

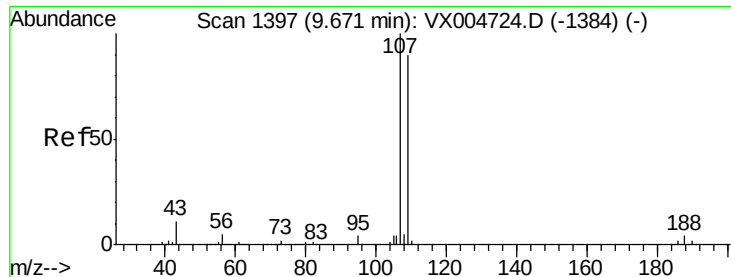
sam
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#60
Dibromochloromethane
Concen: 20.225 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX004952.D
Acq: 03 Oct 2018 07:33

Tgt Ion:129 Resp: 60711
Ion Ratio Lower Upper
129 100
127 76.8 39.1 117.2





#61

1,2-Dibromoethane

Concen: 19.328 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX004952.D

Acq: 03 Oct 2018 07:33

Instrument :

MSVOA_X

ClientSampleId :

VX1003MBSD01

Tot Ion:107 Resp: 62131

Ion Ratio Lower Upper

107 100

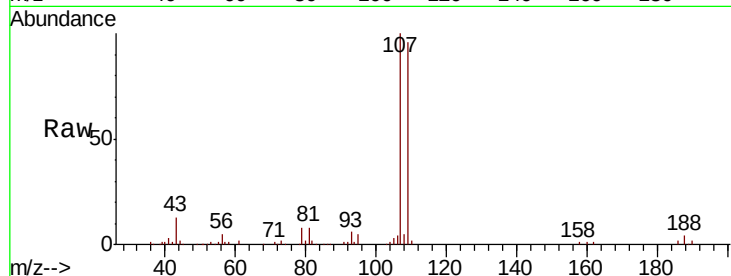
109 94.8 72.1 108.1

Manual Integrations

APPROVED

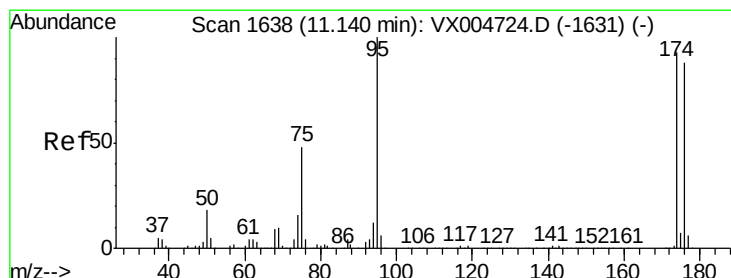
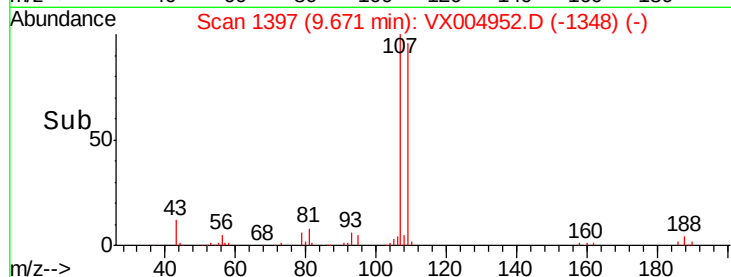
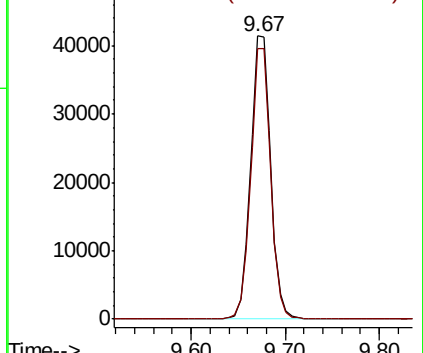
sam

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.271 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004952.D

Acq: 03 Oct 2018 07:33

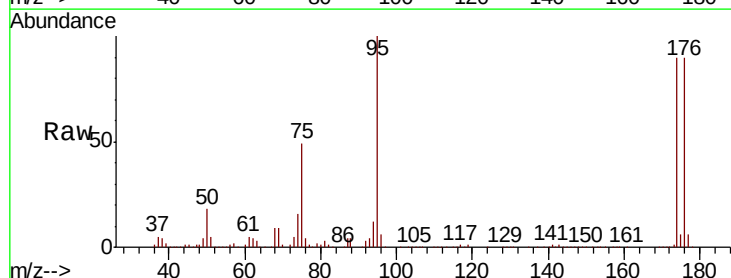
Tgt Ion: 95 Resp: 186266

Ion Ratio Lower Upper

95 100

174 90.1 0.0 185.0

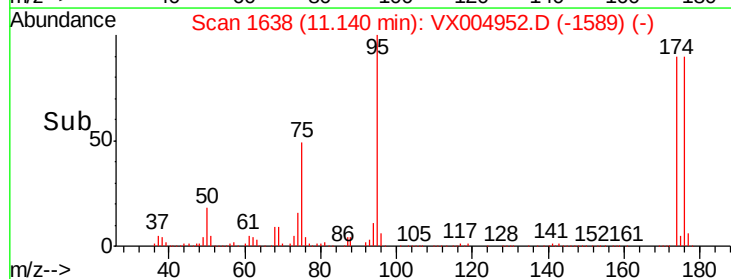
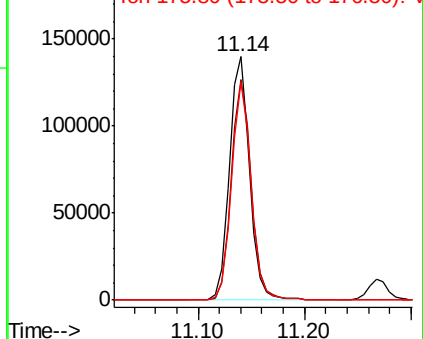
176 87.3 0.0 180.2

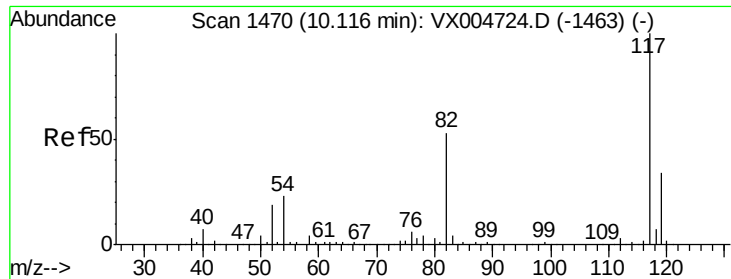


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





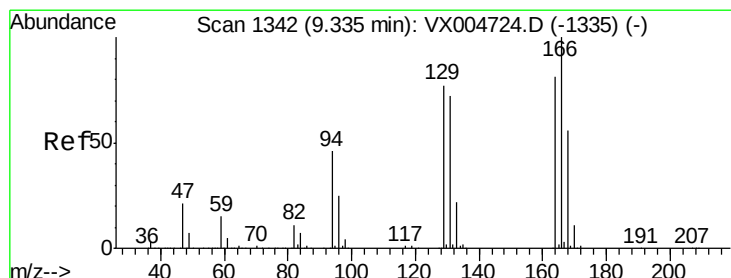
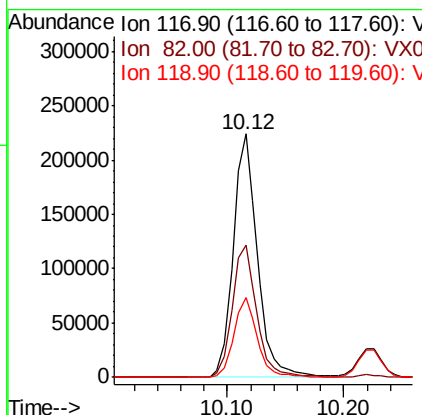
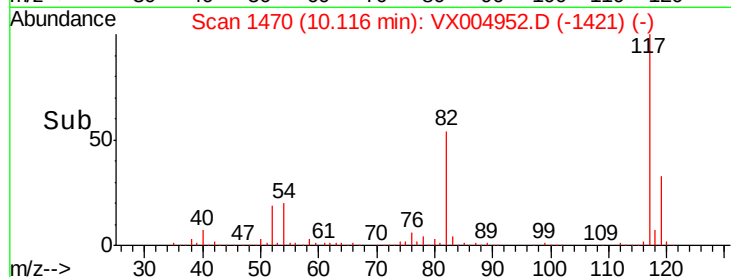
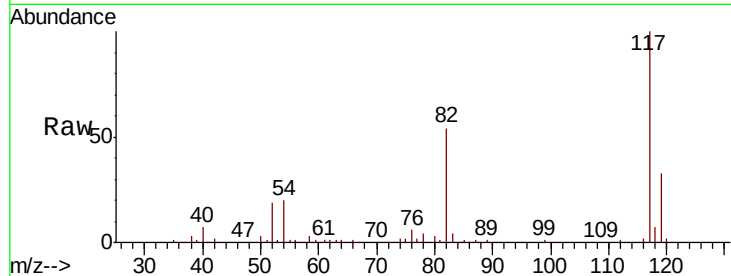
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004952.D
Acq: 03 Oct 2018 07:33

Instrument :
MSVOA_X
ClientSampleId :
VX1003MBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	42.2	63.4
119	32.7	27.4	41.0

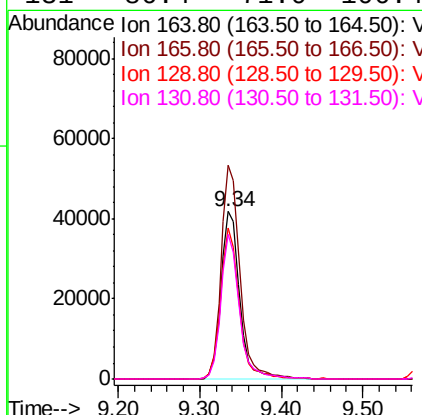
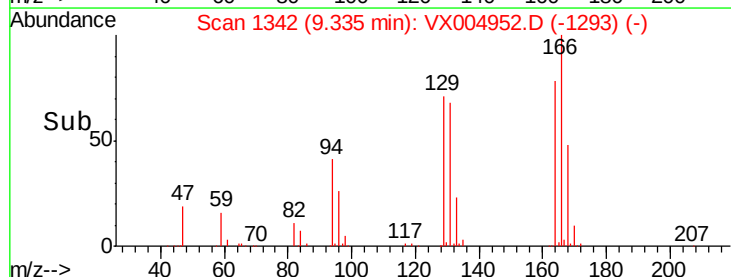
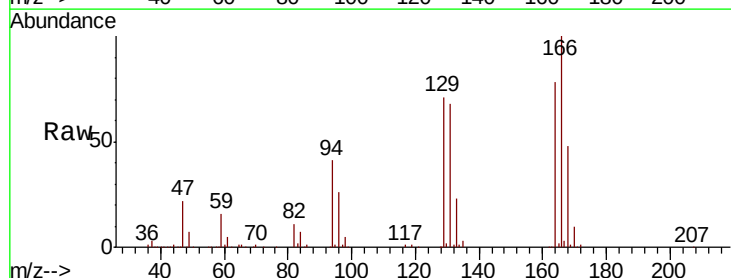
Manual Integrations
APPROVED

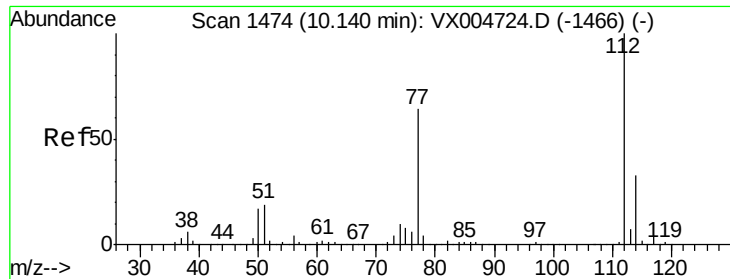
sam
10/3/2018 5:57:20 PM



#64
Tetrachloroethene
Concen: 21.092 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX004952.D
Acq: 03 Oct 2018 07:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	98.4	147.6
129	90.2	76.1	114.1
131	86.4	71.0	106.4





#65

Chlorobenzene

Concen: 19.419 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX004952.D

Acq: 03 Oct 2018 07:33

Instrument :

MSVOA_X

ClientSampled :

VX1003MBS01

Tot Ion:112 Resp: 161204

Ion Ratio Lower Upper

112 100

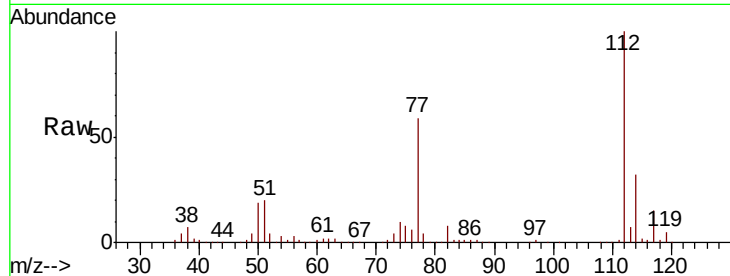
114 31.9 26.7 40.1

Manual Integrations

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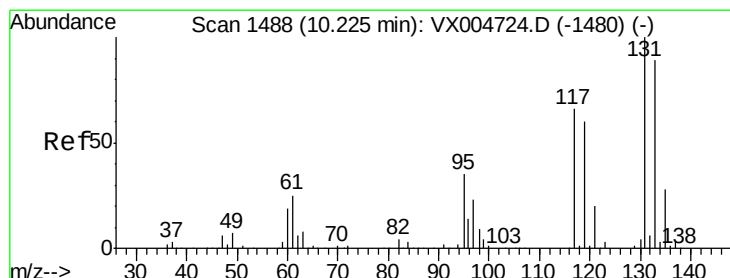
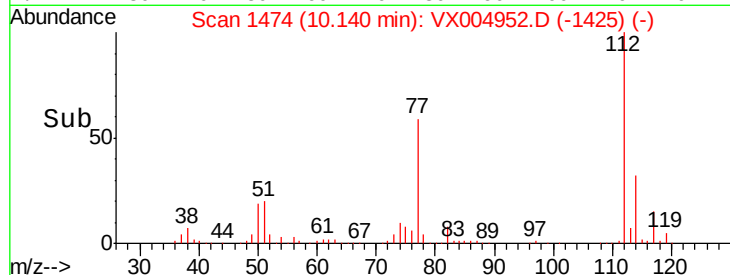
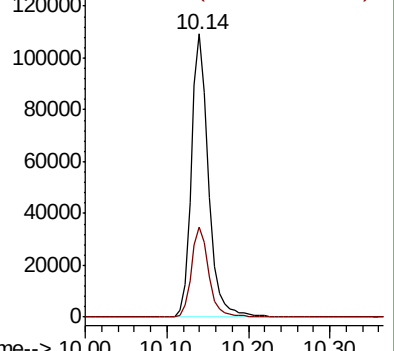
sam

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.760 ug/l

RT: 10.23 min Scan# 1488

Delta R.T. 0.00 min

Lab File: VX004952.D

Acq: 03 Oct 2018 07:33

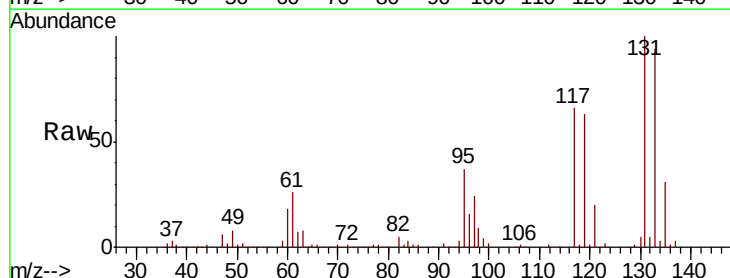
Tgt Ion:131 Resp: 57668

Ion Ratio Lower Upper

131 100

133 95.5 48.4 145.0

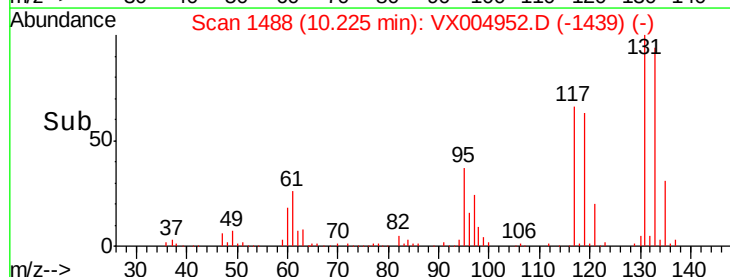
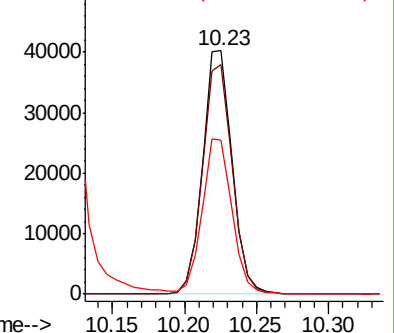
119 64.7 32.3 96.8

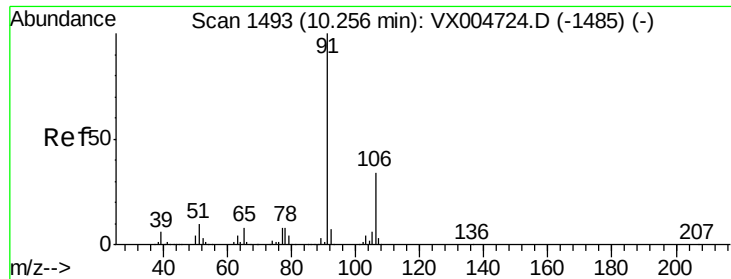


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.879 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VX004952.D

Acq: 03 Oct 2018 07:33

Instrument :

MSVOA_X

ClientSampled :

VX1003MBS01

Tot Ion: 91 Resp: 261989

Ion Ratio Lower Upper

91 100

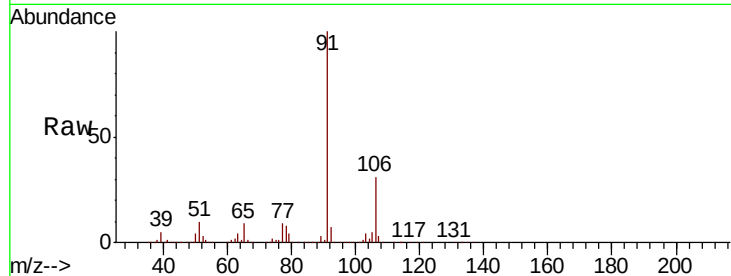
106 31.3 26.9 40.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

300000

200000

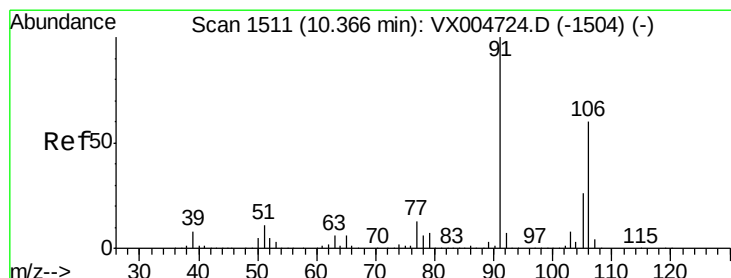
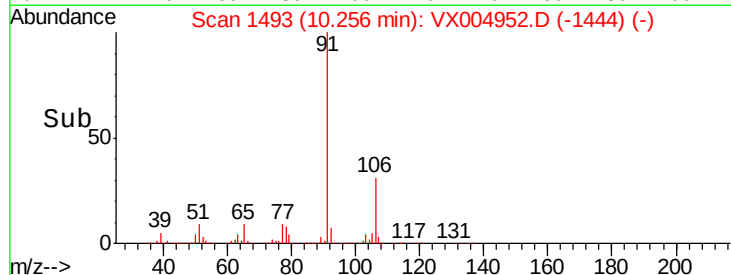
100000

0

10.26

10.30

Time-->



#68

m/p-Xylenes

Concen: 40.228 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VX004952.D

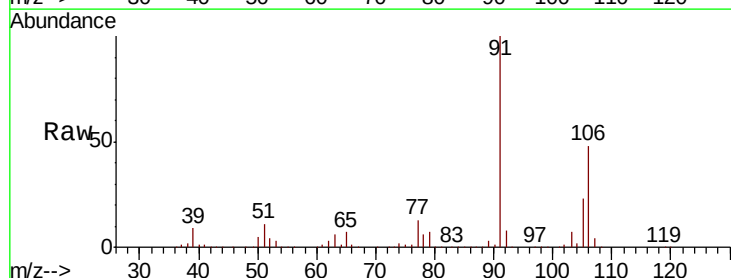
Acq: 03 Oct 2018 07:33

Tgt Ion: 106 Resp: 207176

Ion Ratio Lower Upper

106 100

91 205.2 157.5 236.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

300000

200000

100000

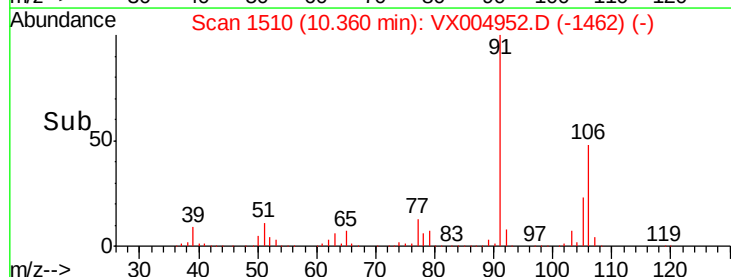
0

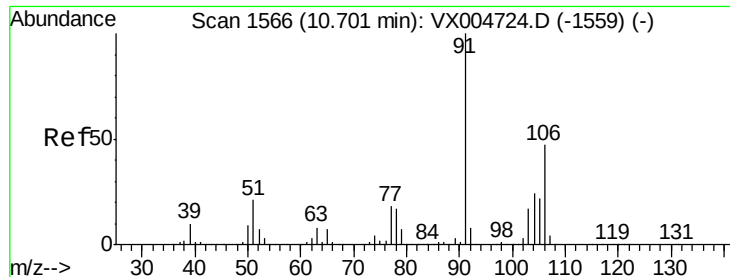
10.36

10.40

10.50

Time-->





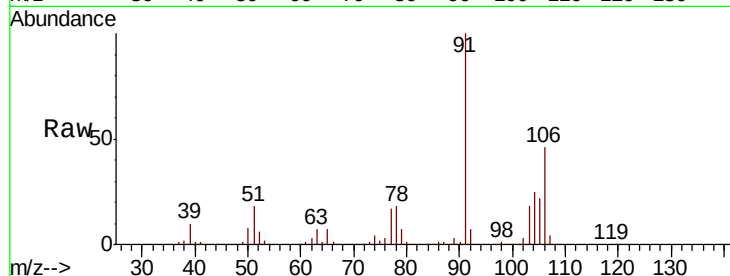
#69
o-Xylene
Concen: 20.979 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004952.D
Acq: 03 Oct 2018 07:33

Instrument :
MSVOA_X
ClientSampled :
VX1003MBSD01

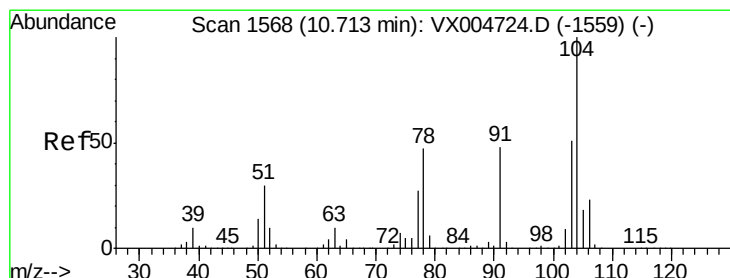
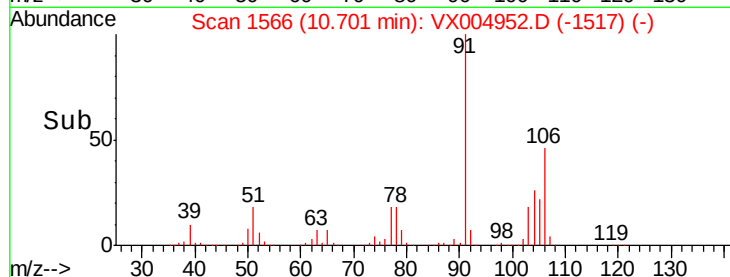
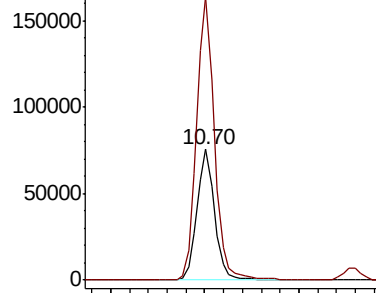
Tot Ion:106 Resp: 99239
Ion Ratio Lower Upper
106 100
91 217.9 108.3 324.8

Manual Integrations
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sam
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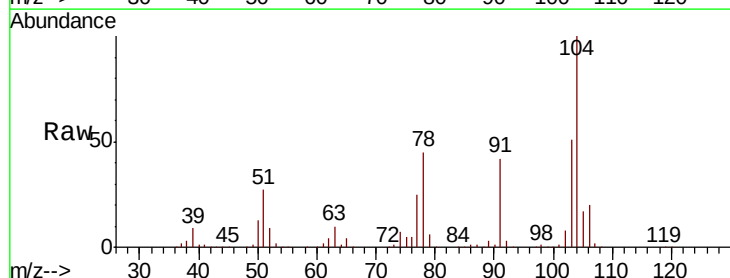


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

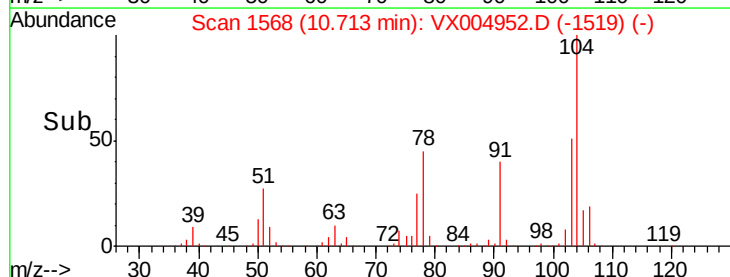
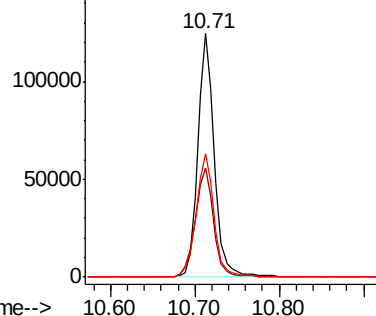


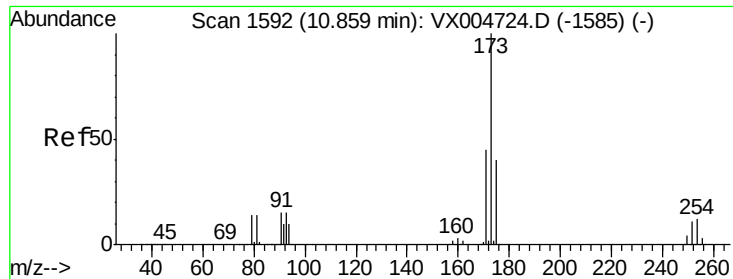
#70
Styrene
Concen: 20.283 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004952.D
Acq: 03 Oct 2018 07:33

Tgt Ion:104 Resp: 167691
Ion Ratio Lower Upper
104 100
78 50.4 40.0 60.0
103 55.3 44.3 66.5



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





#71

Bromoform

Concen: 19.502 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX004952.D

Acq: 03 Oct 2018 07:33

Instrument :

MSVOA_X

ClientSampleId :

VX1003MBS01

Tot Ion:173 Resp: 48725

Ion Ratio Lower Upper

173 100

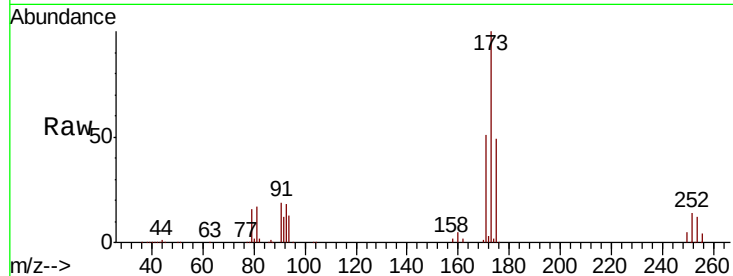
175 48.5 23.3 69.8

254 0.1 0.2 0.2#

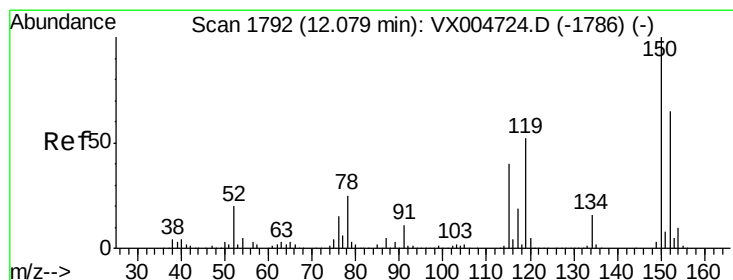
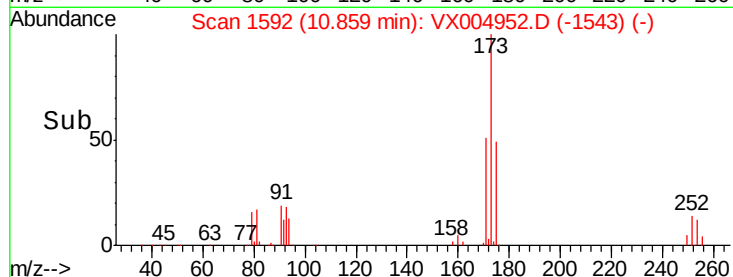
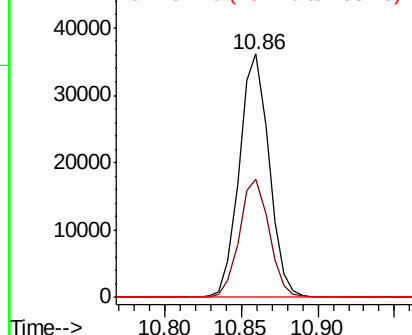
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004952.D

Acq: 03 Oct 2018 07:33

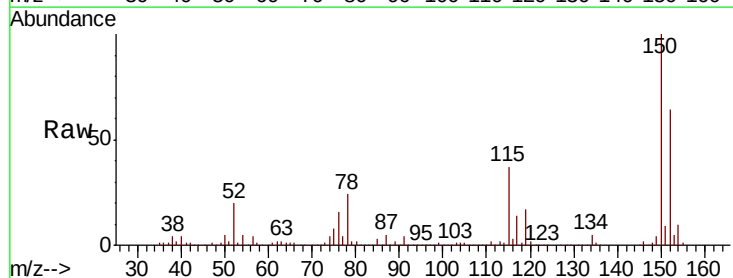
Tgt Ion:152 Resp: 193130

Ion Ratio Lower Upper

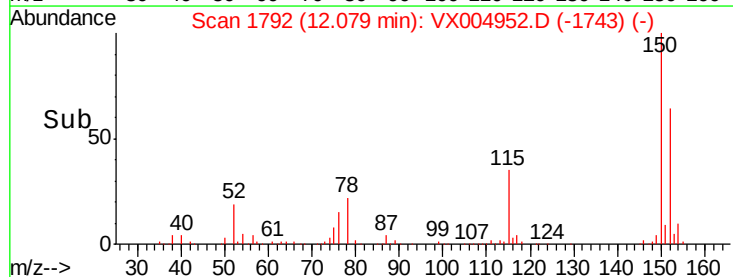
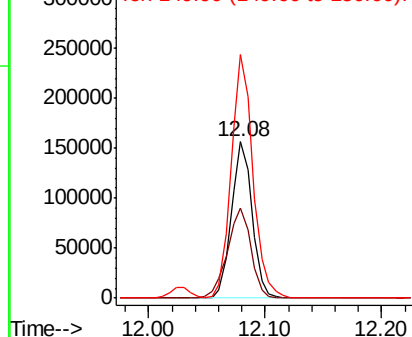
152 100

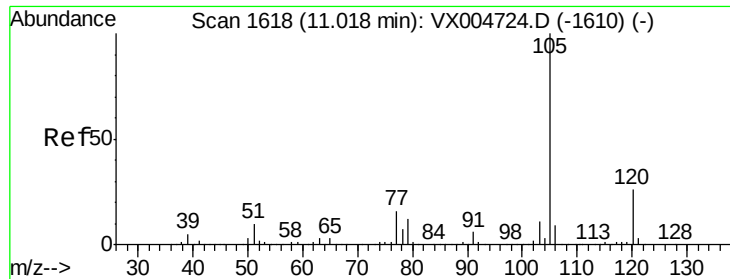
115 65.2 40.2 120.6

150 163.6 0.0 351.0



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





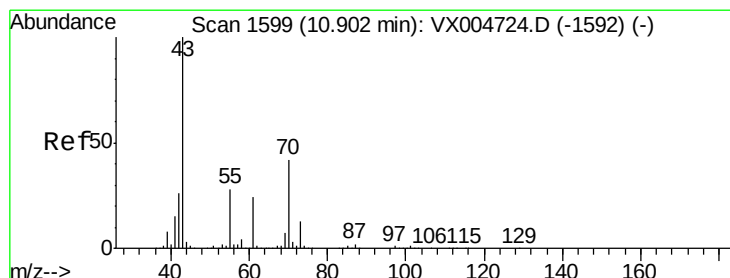
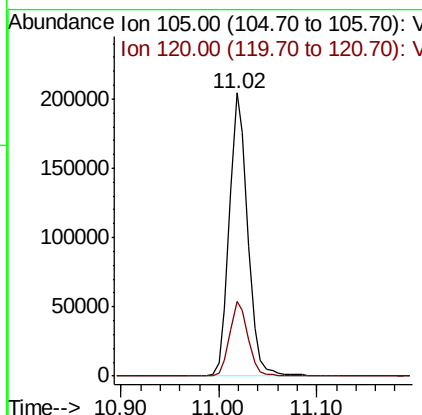
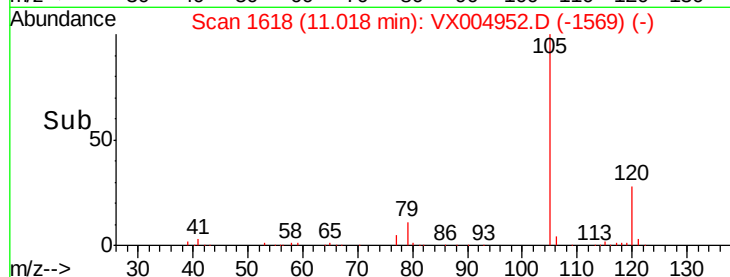
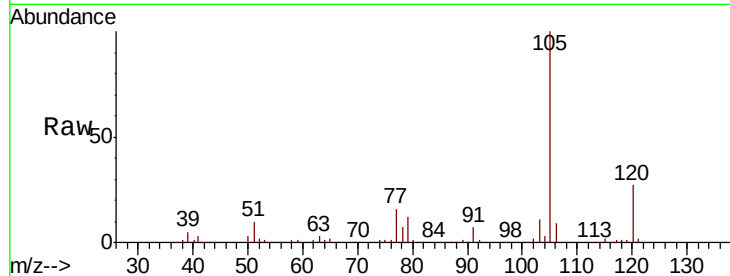
#73
Isopropylbenzene
Concen: 21.995 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX004952.D
Acq: 03 Oct 2018 07:33

Instrument :
MSVOA_X
ClientSampleId :
VX1003MBSD01

Tot Ion: 105 Resp: 267747
Ion Ratio Lower Upper
105 100
120 26.6 13.2 39.5

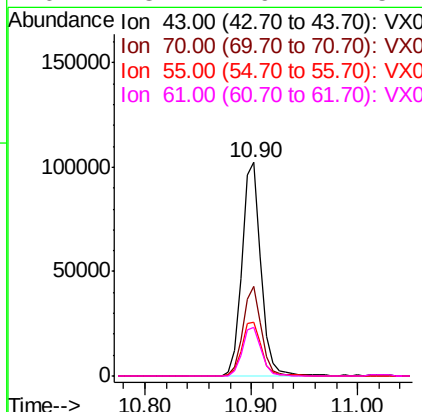
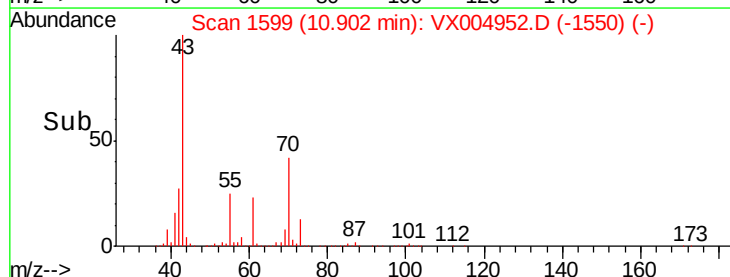
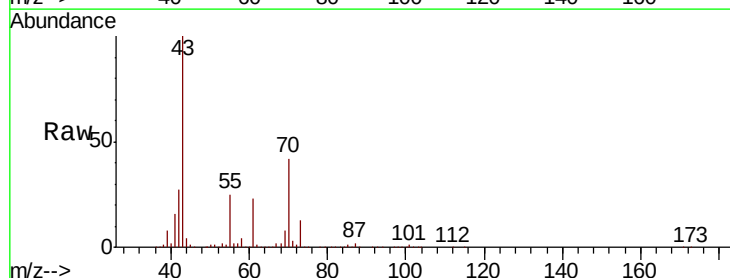
Manual Integrations
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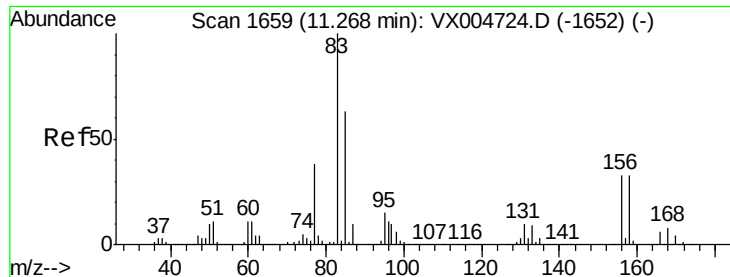
sam
10/3/2018 5:57:20 PM



#74
N-ethyl acetate
Concen: 20.143 ug/l
RT: 10.90 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VX004952.D
Acq: 03 Oct 2018 07:33

Tgt Ion: 43 Resp: 127539
Ion Ratio Lower Upper
43 100
70 41.4 32.6 48.8
55 26.3 21.6 32.4
61 23.2 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.873 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX004952.D

Acq: 03 Oct 2018 07:33

Instrument :

MSVOA_X

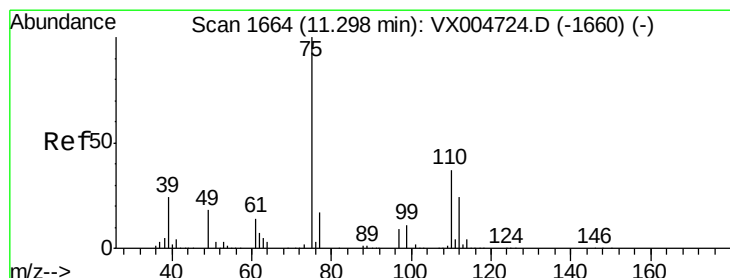
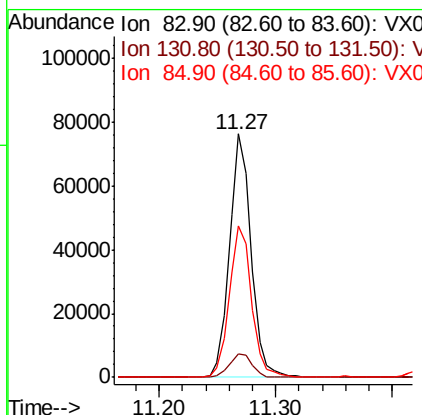
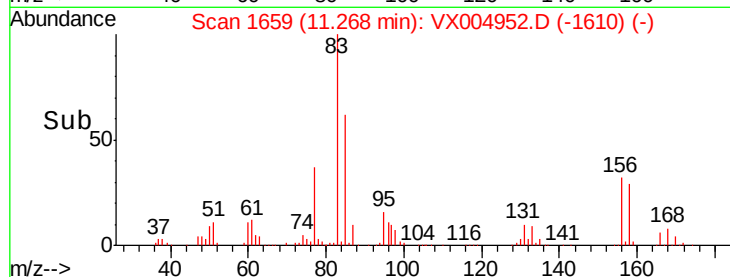
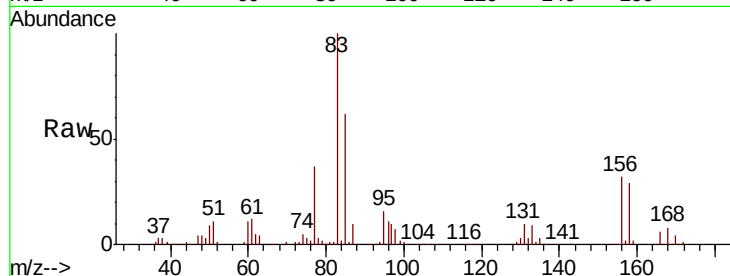
ClientSampleId :

VX1003MBS01

Tot Ion:	83	Resp:	98477
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.1	15.3
85	64.2	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.673 ug/l m

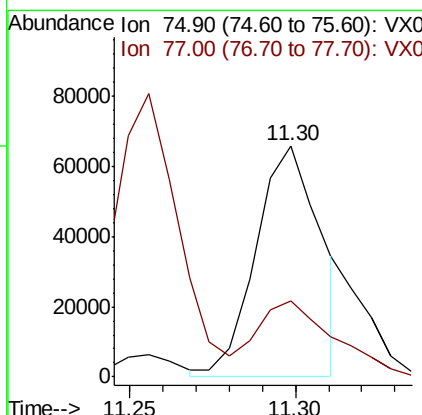
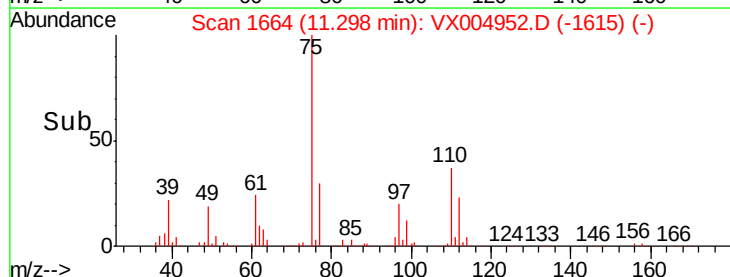
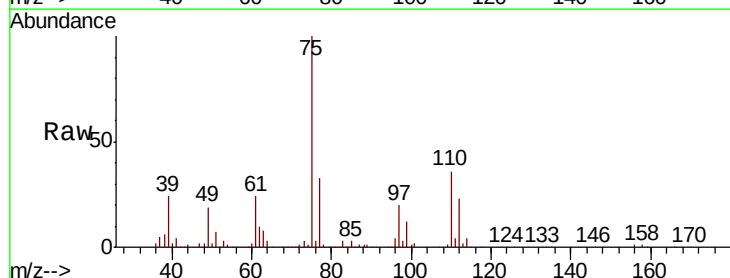
RT: 11.30 min Scan# 1664

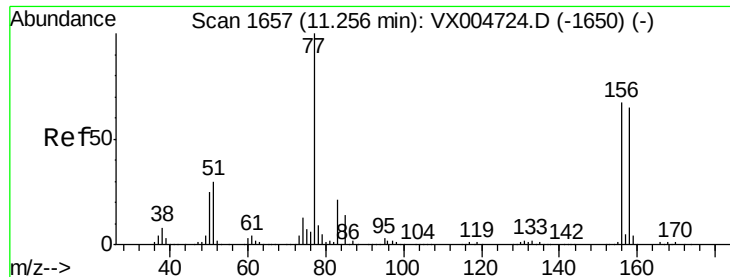
Delta R.T. 0.00 min

Lab File: VX004952.D

Acq: 03 Oct 2018 07:33

Tgt Ion:	75	Resp:	89490
Ion Ratio	Lower	Upper	
75	100		
77	39.1	21.4	64.3





#77

Bromobenzene

Concen: 20.965 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX004952.D

Acq: 03 Oct 2018 07:33

Instrument :

MSVOA_X

ClientSampleId :

VX1003MBS01

Tot Ion:156 Resp: 74127

Ion Ratio Lower Upper

156 100

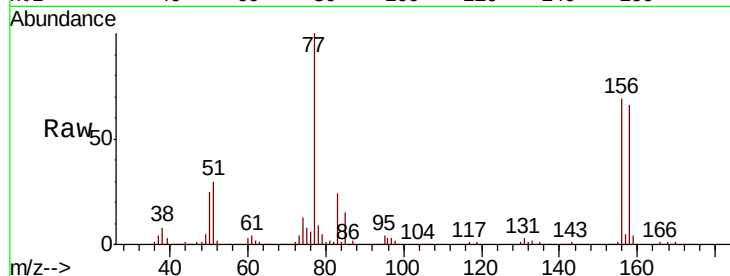
77 146.3 73.4 220.2

158 95.3 49.1 147.4

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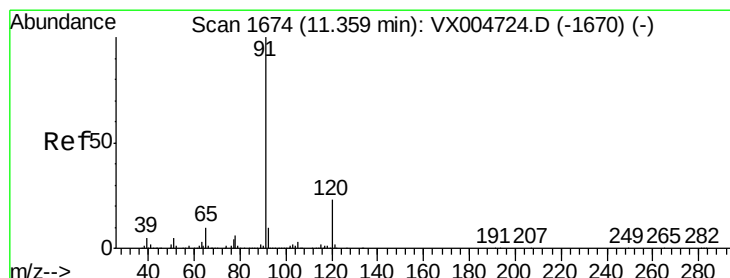
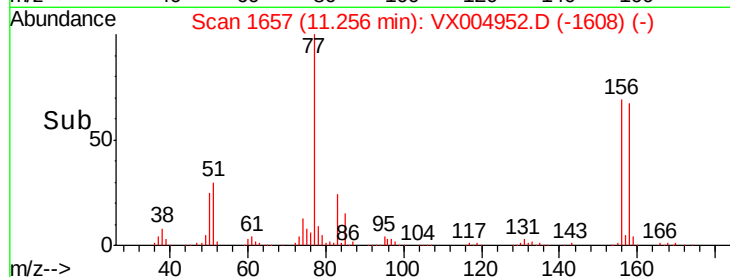
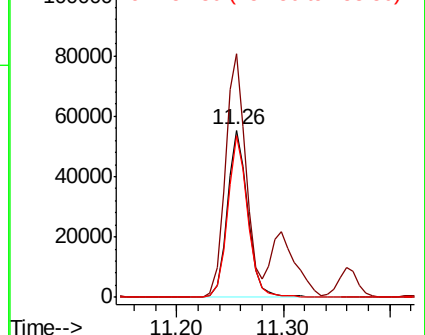
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.942 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004952.D

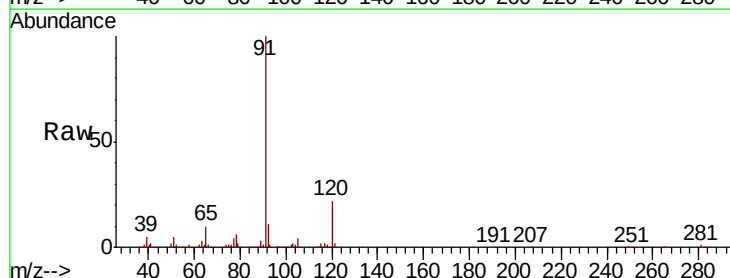
Acq: 03 Oct 2018 07:33

Tgt Ion: 91 Resp: 306465

Ion Ratio Lower Upper

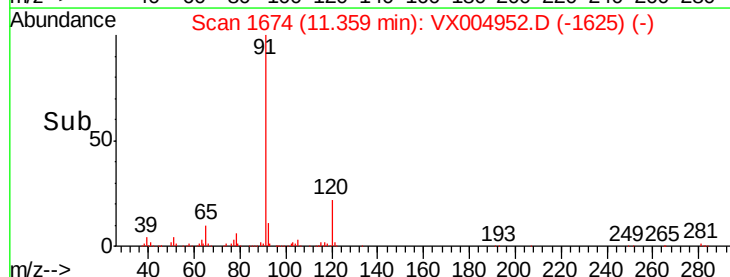
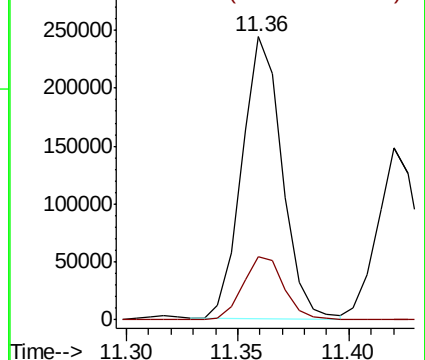
91 100

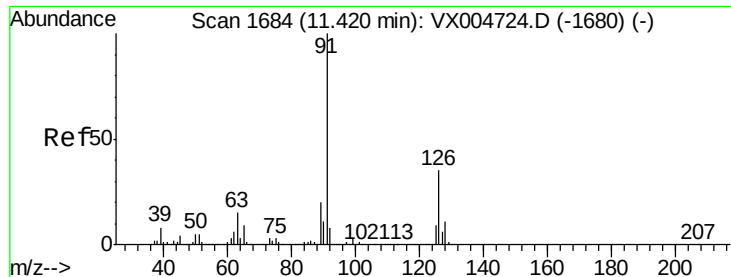
120 23.4 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.546 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX004952.D

Acq: 03 Oct 2018 07:33

Instrument :

MSVOA_X

ClientSampled :

VX1003MBSD01

Tot Ion: 91 Resp: 187579

Ion Ratio Lower Upper

91 100

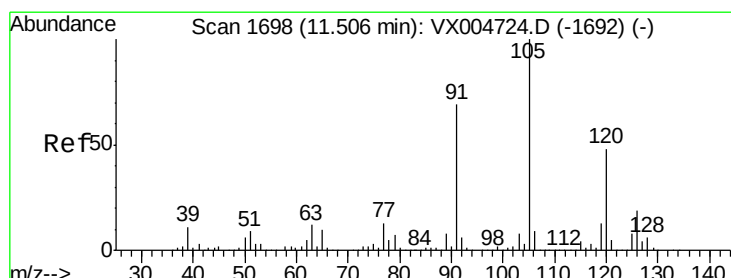
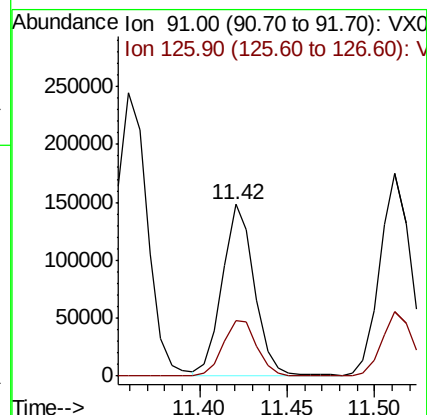
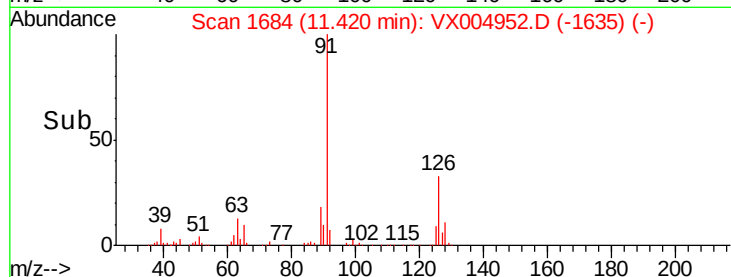
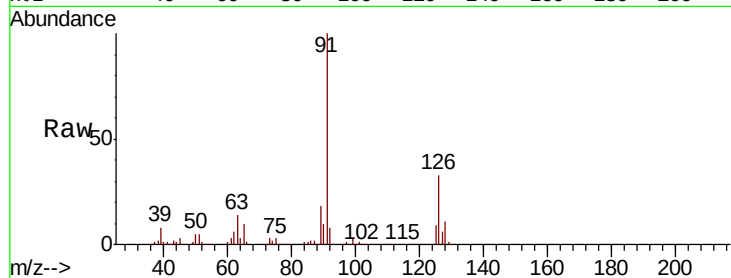
126 34.9 17.6 52.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.261 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004952.D

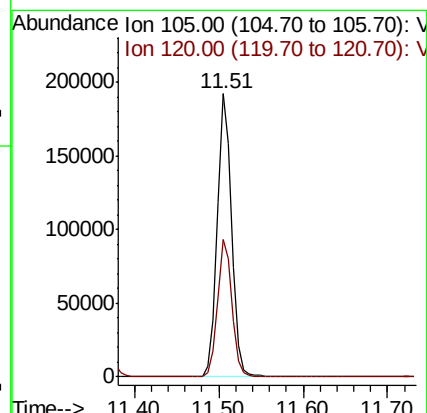
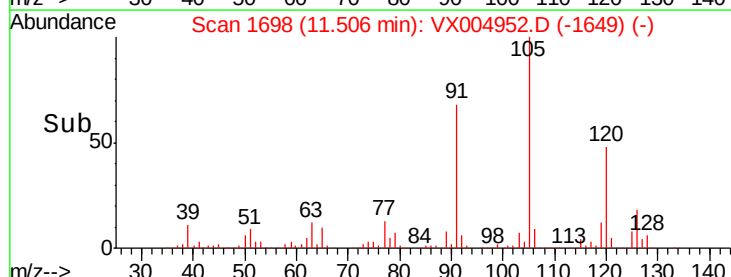
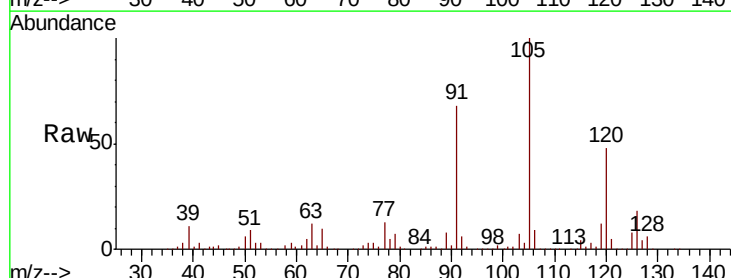
Acq: 03 Oct 2018 07:33

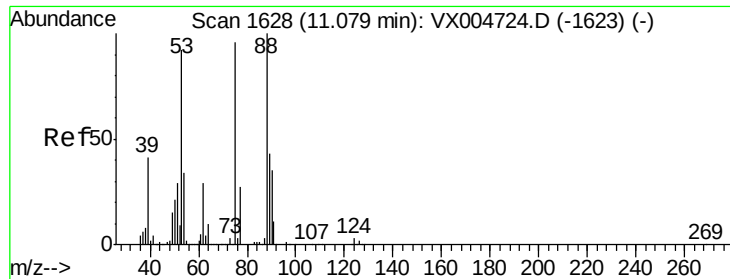
Tgt Ion: 105 Resp: 227367

Ion Ratio Lower Upper

105 100

120 48.7 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 15.078 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX004952.D

Acq: 03 Oct 2018 07:33

Instrument :

MSVOA_X

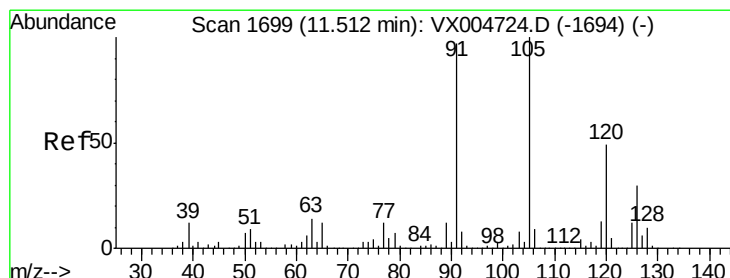
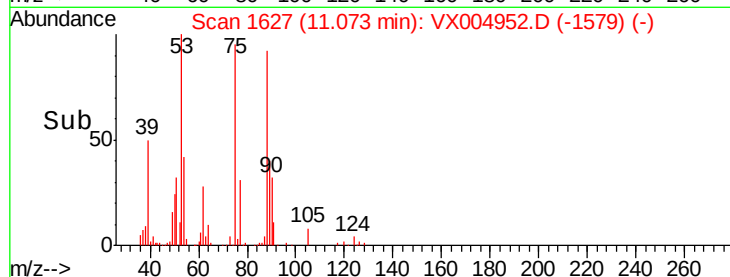
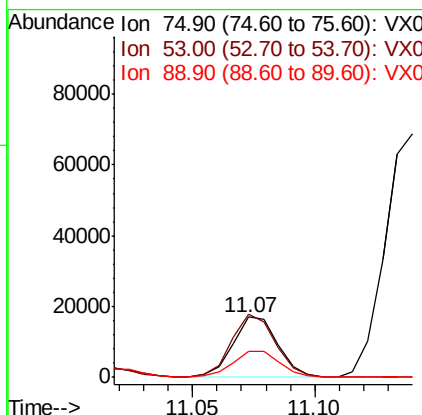
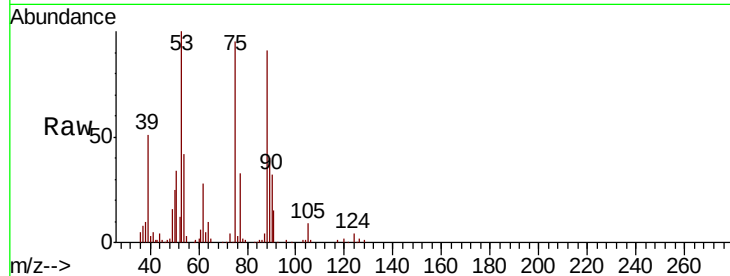
ClientSampled :

VX1003MBSD01

Tot Ion:	75	Resp:	21637
Ion Ratio	Lower	Upper	
75	100		
53	103.0	80.2	120.4
89	45.5	37.1	55.7

Manual Integrations
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sam
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#82

4-Chlorotoluene

Concen: 21.417 ug/l

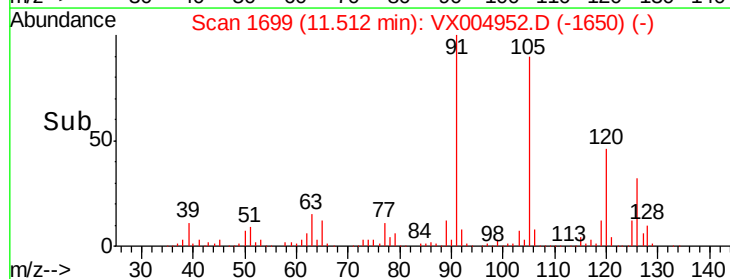
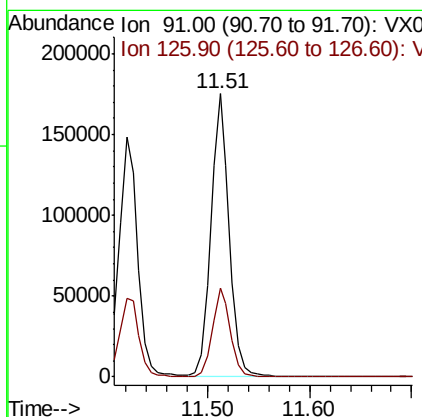
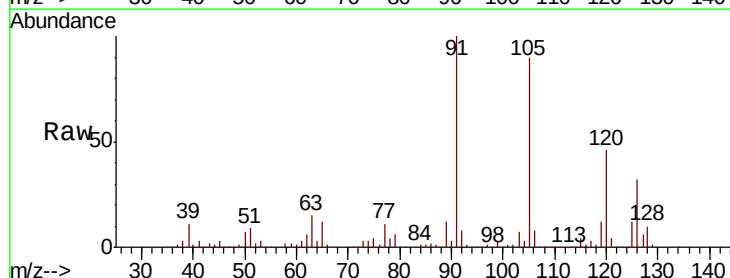
RT: 11.51 min Scan# 1699

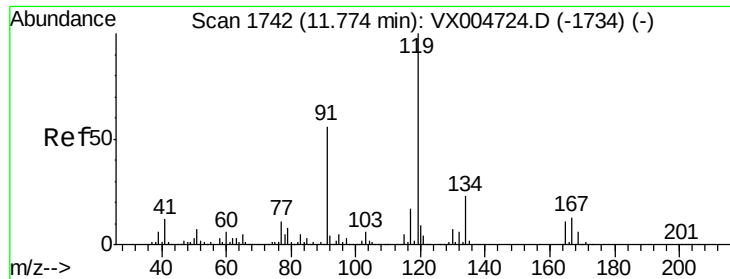
Delta R.T. 0.00 min

Lab File: VX004952.D

Acq: 03 Oct 2018 07:33

Tgt Ion:	91	Resp:	219467
Ion Ratio	Lower	Upper	
91	100		
126	31.2	15.5	46.5





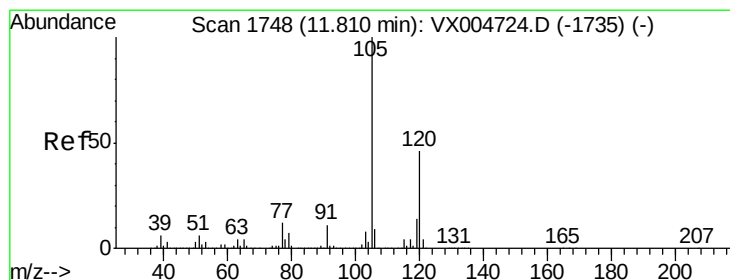
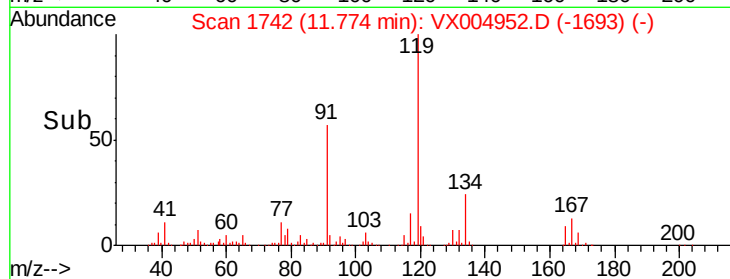
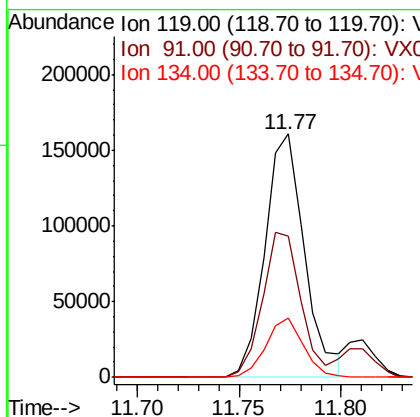
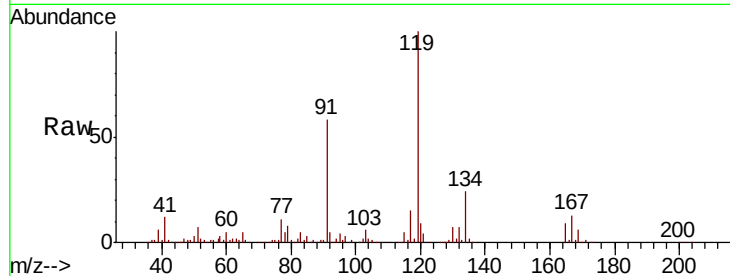
#83
 tert-Butylbenzene
 Concen: 21.707 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX004952.D
 Acq: 03 Oct 2018 07:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1003MBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.7	27.5	82.5
134	23.1	11.5	34.4

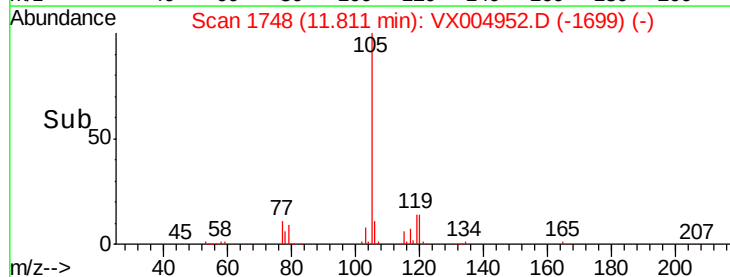
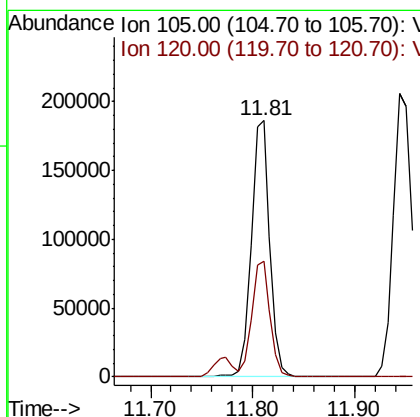
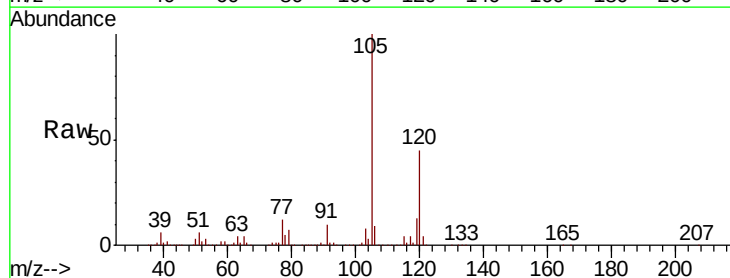
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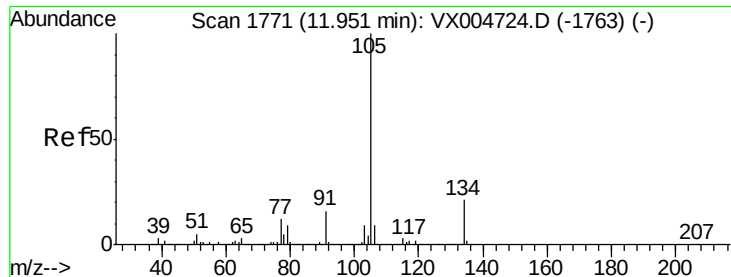
sam
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.352 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004952.D
 Acq: 03 Oct 2018 07:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.8	68.3





#85

sec-Butylbenzene

Concen: 21.684 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004952.D

Acq: 03 Oct 2018 07:33

Instrument :

MSVOA_X

ClientSampleId :

VX1003MBS01

Tot Ion:105 Resp: 264720

Ion Ratio Lower Upper

105 100

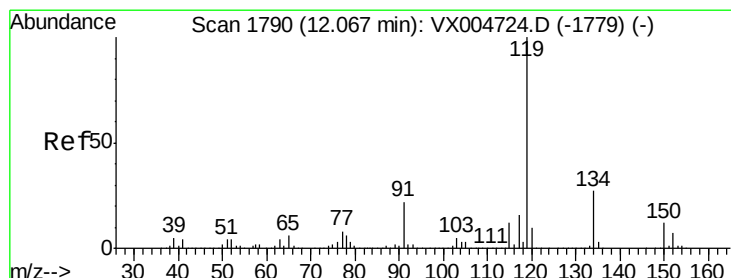
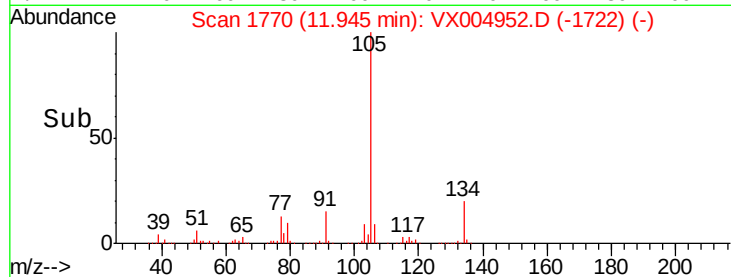
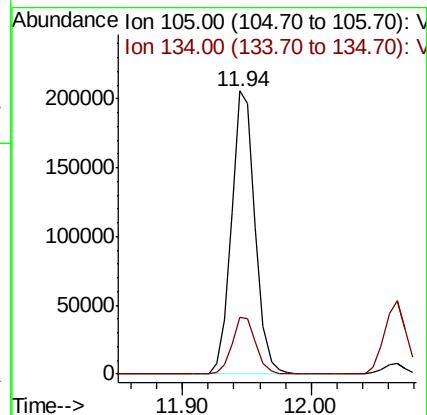
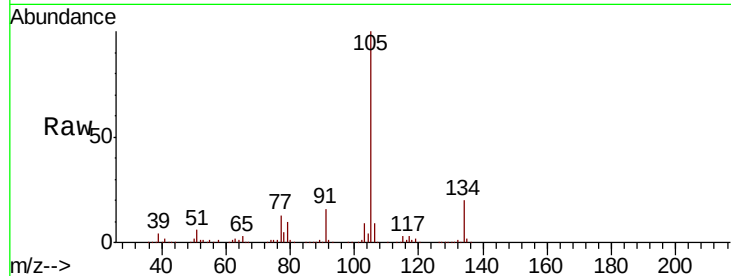
134 20.2 10.2 30.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 21.397 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX004952.D

Acq: 03 Oct 2018 07:33

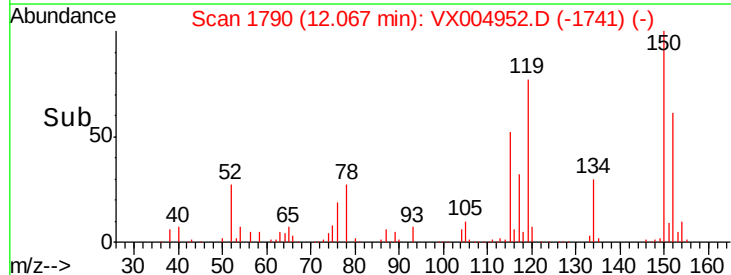
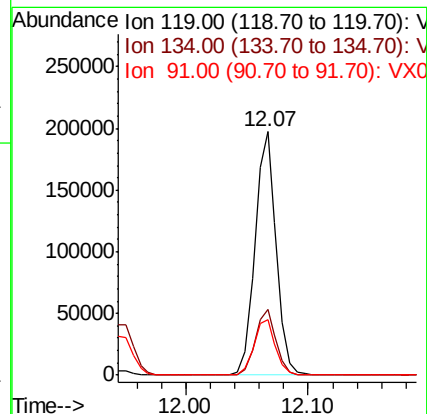
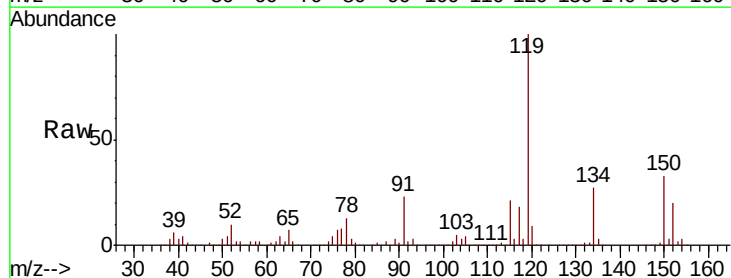
Tgt Ion:119 Resp: 236656

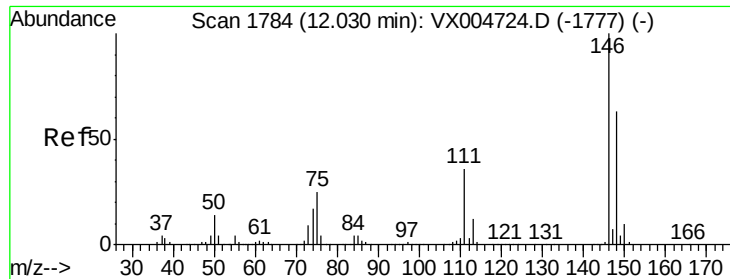
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

91 23.5 11.5 34.4





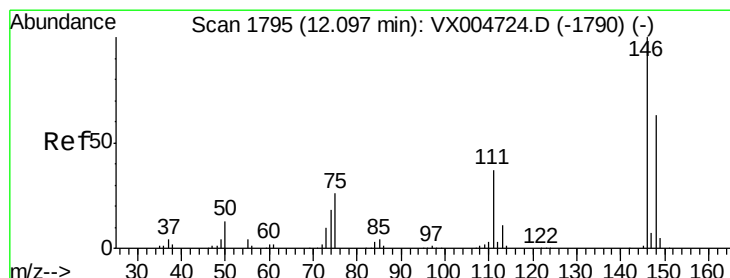
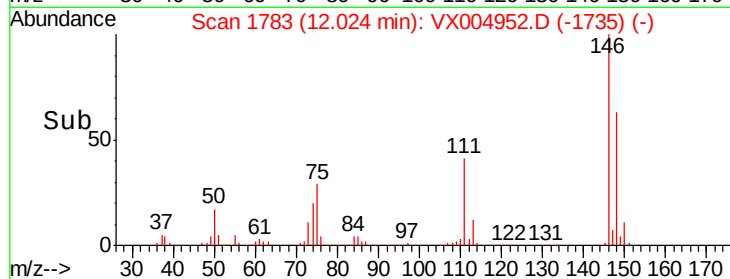
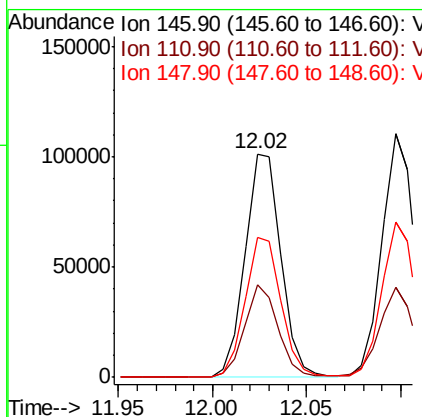
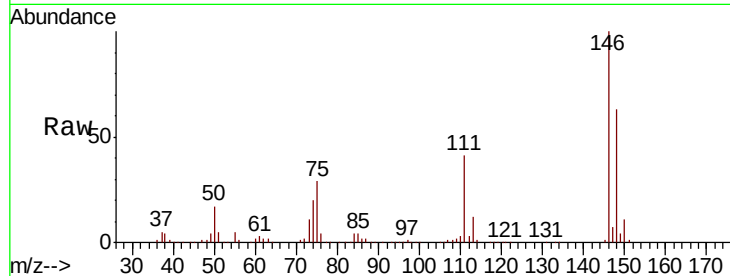
#87
 1,3-Dichlorobenzene
 Concen: 20.273 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX004952.D
 Acq: 03 Oct 2018 07:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1003MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.9	56.9
148	62.8	31.8	95.3

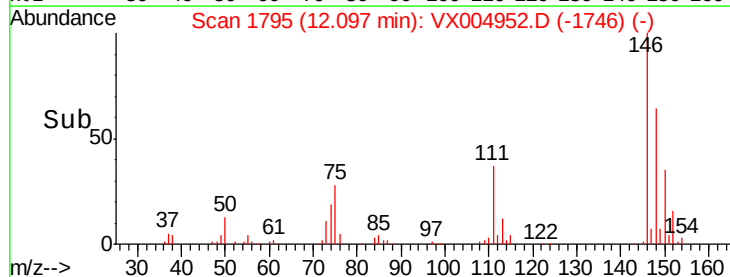
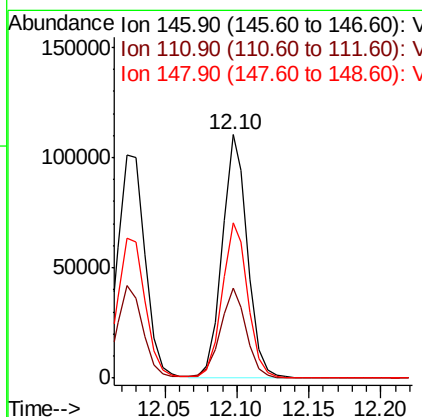
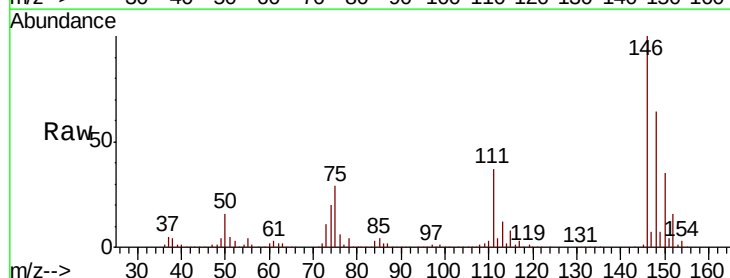
Manual Integrations
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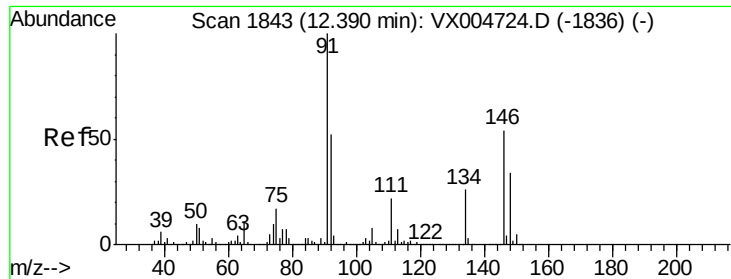
sam
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#88
 1,4-Dichlorobenzene
 Concen: 19.958 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX004952.D
 Acq: 03 Oct 2018 07:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.4	55.2
148	65.1	32.0	96.0





#89

n-Butylbenzene

Concen: 20.090 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX004952.D

Acq: 03 Oct 2018 07:33

Instrument :

MSVOA_X

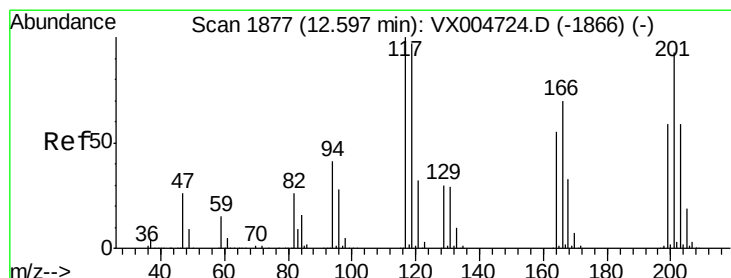
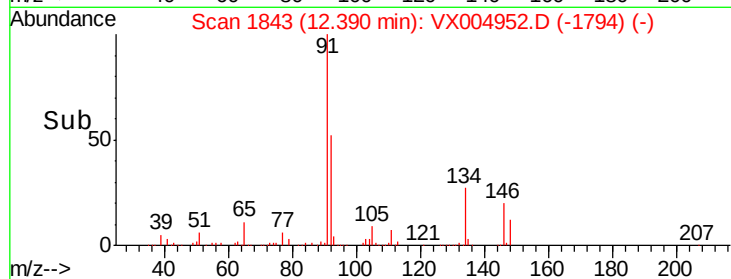
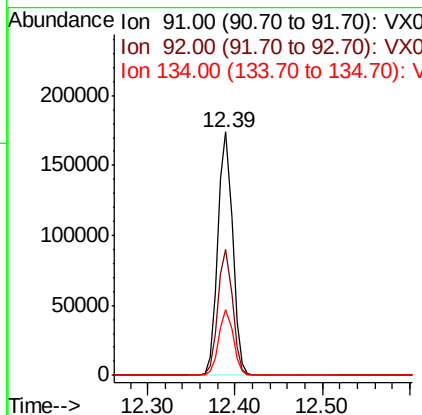
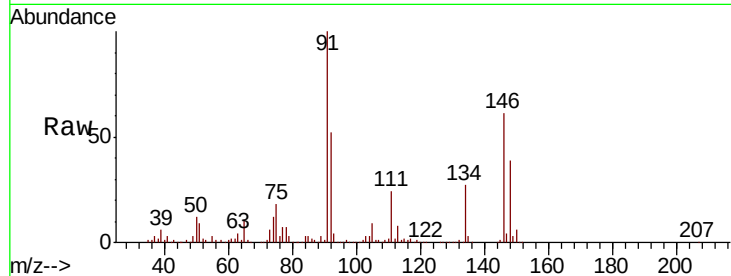
ClientSampleId :

VX1003MBS01

Tot Ion:	91	Resp:	201803
Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.0	78.0
134	26.2	13.2	39.6

Manual Integrations
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#90

Hexachloroethane

Concen: 19.748 ug/l

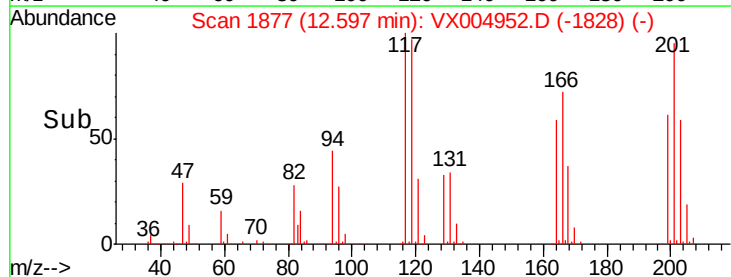
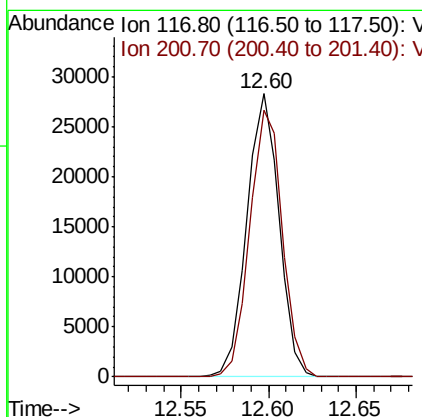
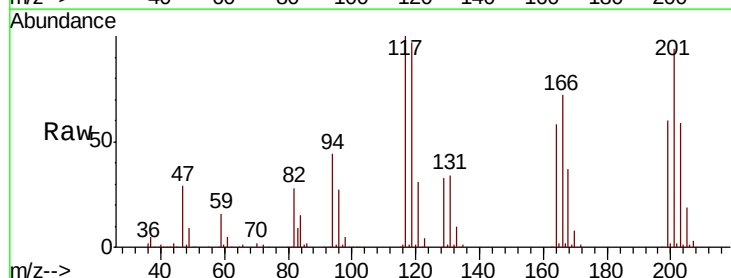
RT: 12.60 min Scan# 1877

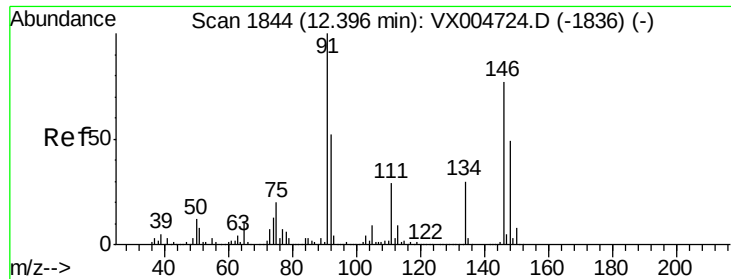
Delta R.T. 0.00 min

Lab File: VX004952.D

Acq: 03 Oct 2018 07:33

Tgt Ion:	117	Resp:	36366
Ion	Ratio	Lower	Upper
117	100		
201	95.6	48.4	145.0





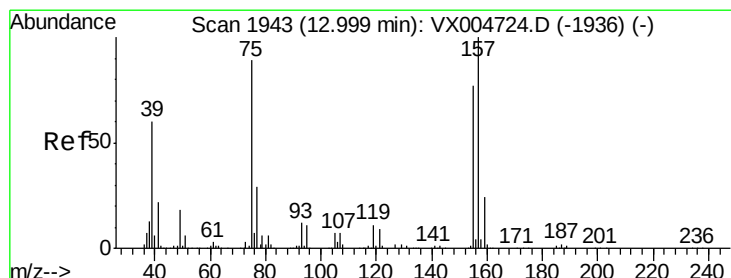
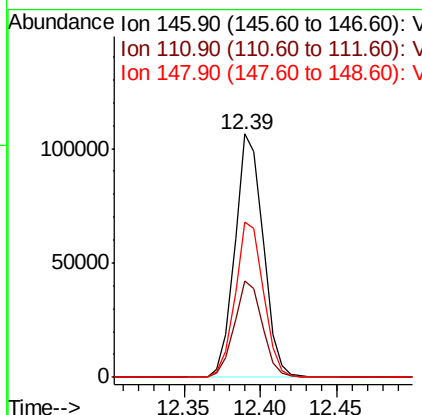
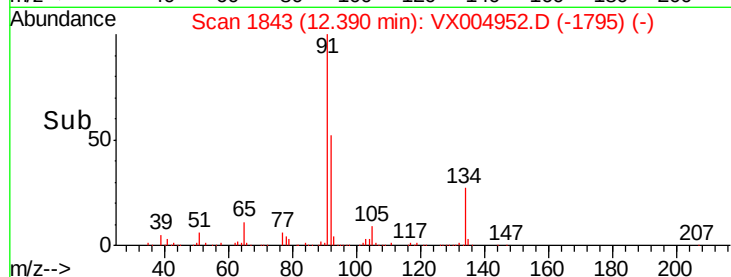
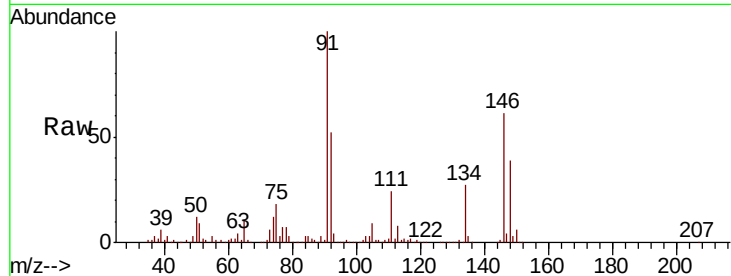
#91
 1,2-Dichlorobenzene
 Concen: 19.683 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: VX004952.D
 Acq: 03 Oct 2018 07:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1003MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.6	58.7
148	64.1	31.8	95.4

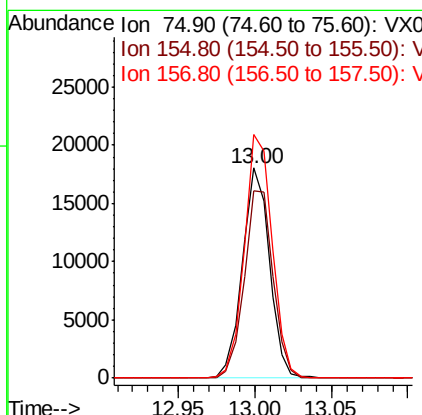
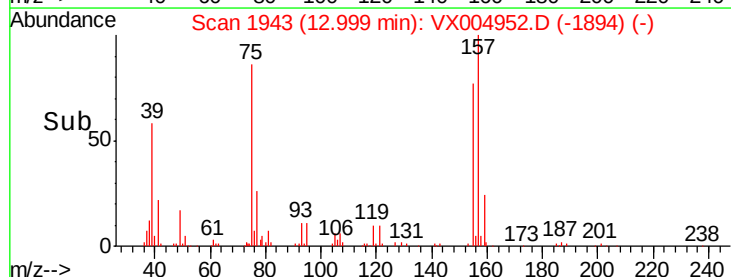
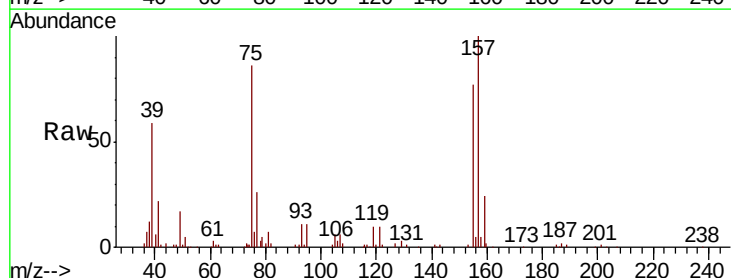
Manual Integrations
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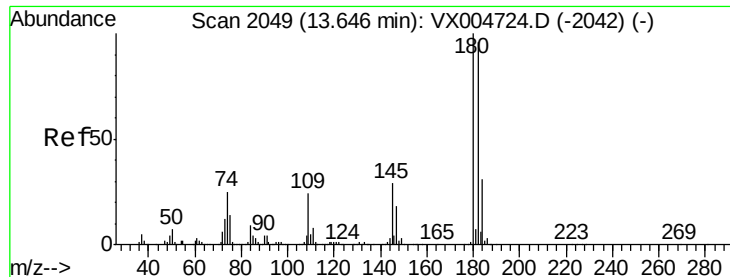
sam
 10/3/2018 5:57:20 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.407 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX004952.D
 Acq: 03 Oct 2018 07:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.9	46.1	138.3
157	119.1	60.2	180.6





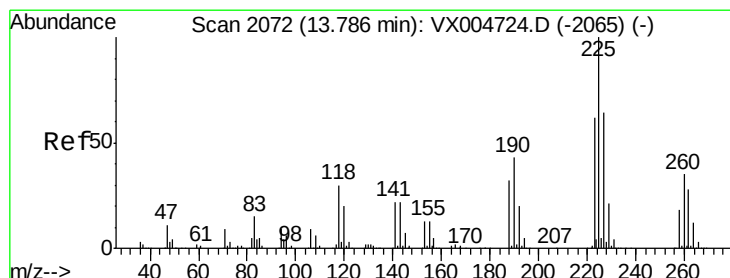
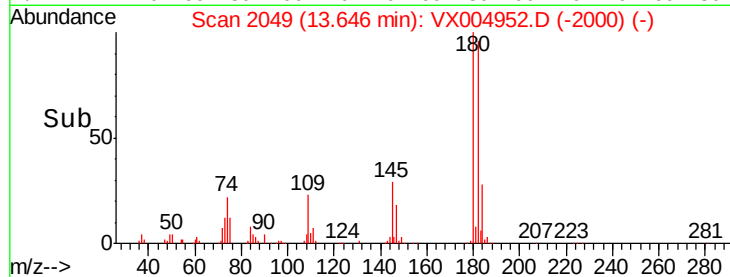
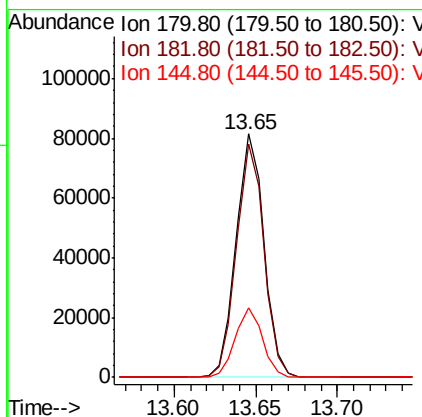
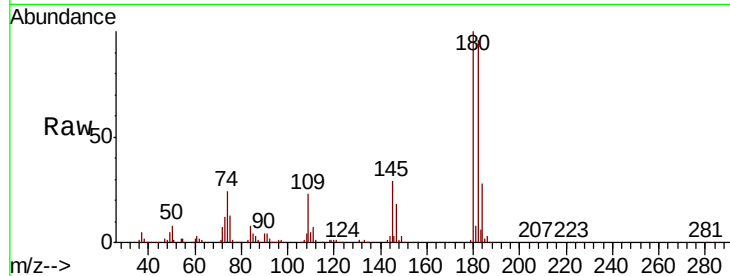
#93
 1,2,4-Trichlorobenzene
 Concen: 20.010 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004952.D
 Acq: 03 Oct 2018 07:33

Instrument :
 MSVOA_X
 ClientSampled :
 VX1003MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.8	143.4
145	28.0	14.1	42.4

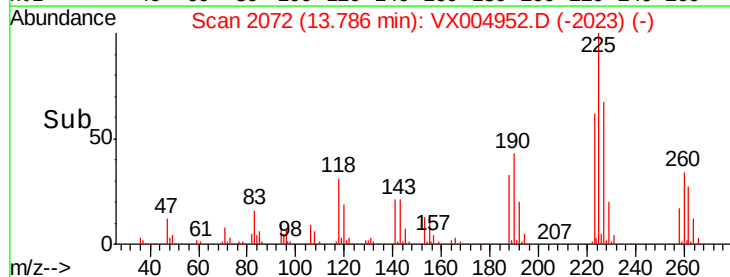
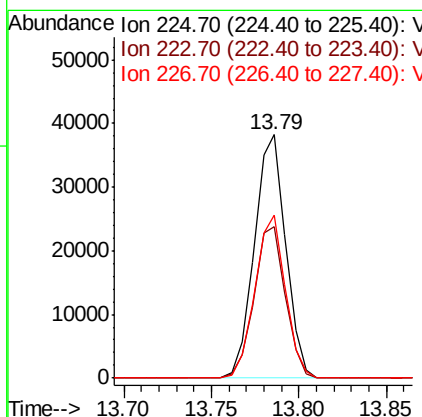
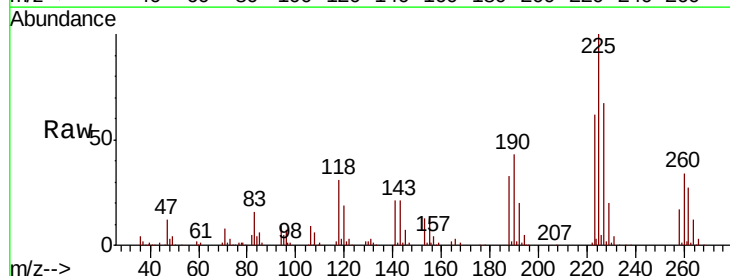
Manual Integrations
 APPROVED

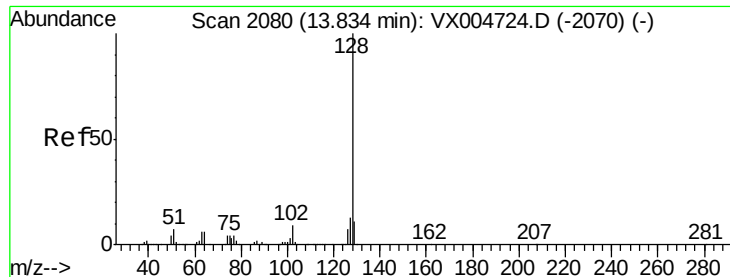
sam
 10/3/2018 5:57:20 PM



#94
 Hexachlorobutadiene
 Concen: 18.919 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX004952.D
 Acq: 03 Oct 2018 07:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.3	93.8
227	65.2	31.9	95.5





#95

Naphthalene

Concen: 19.782 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004952.D

Acq: 03 Oct 2018 07:33

Instrument :

MSVOA_X

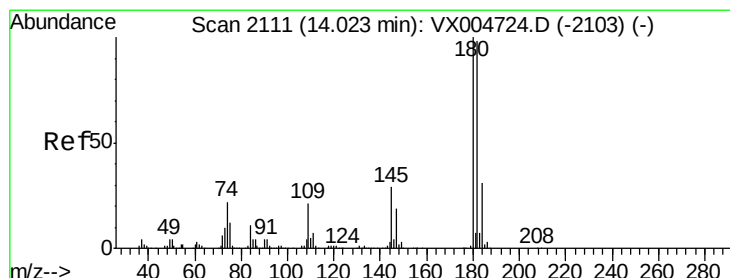
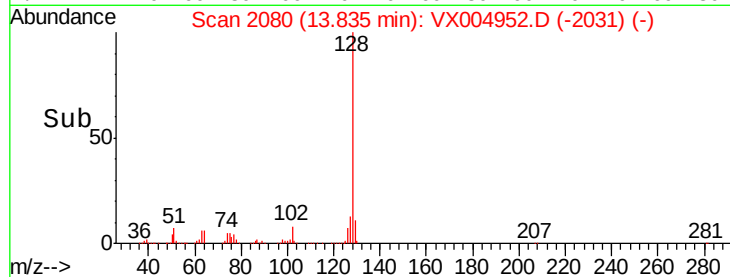
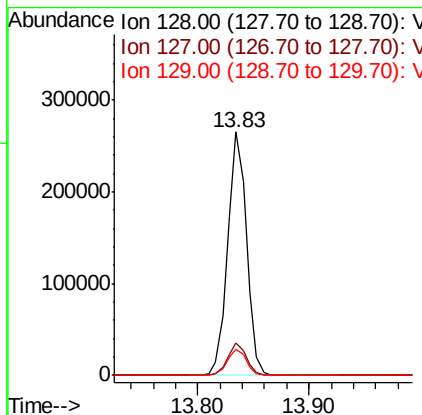
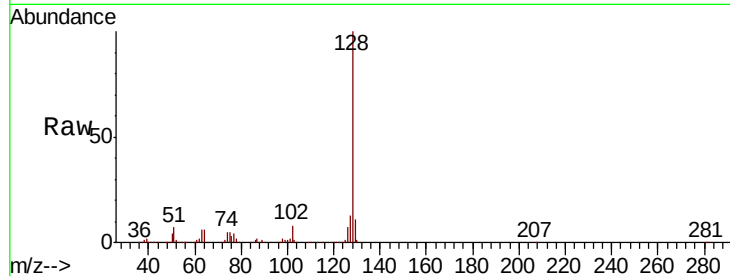
ClientSampleId :

VX1003MBS01

Tot Ion:	128	Resp:	310703
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	11.1	8.7	13.1

Manual Integrations
APPROVED

sam
10/3/2018 5:57:20 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.160 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VX004952.D

Acq: 03 Oct 2018 07:33

Tgt Ion:	180	Resp:	100798
Ion Ratio	Lower	Upper	
180	100		
182	96.1	47.9	143.8
145	30.7	15.0	45.0

