

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091918\
 Data File : VX004719.D
 Acq On : 19 Sep 2018 21:13
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/20/2018 1:42:37 PM

Quant Time: Sep 20 05:17:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	214497	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	302416	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	286433	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	177116	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	119725	43.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.58%	
35) Dibromofluoromethane	5.51	113	109897	39.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.42%	
50) Toluene-d8	8.72	98	411748	44.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.74%	
62) 4-Bromofluorobenzene	11.14	95	153280	46.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	104499	51.98	ug/l	98
3) Chloromethane	1.32	50	140511	50.79	ug/l	96
4) Vinyl Chloride	1.40	62	155307	54.70	ug/l	98
5) Bromomethane	1.64	94	66441	56.03	ug/l	98
6) Chloroethane	1.71	64	95111	51.80	ug/l	95
7) Trichlorofluoromethane	1.92	101	201318	53.48	ug/l	97
8) Diethyl Ether	2.19	74	91753	54.37	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	125142	52.41	ug/l	97
10) Methyl Iodide	2.51	142	140114	49.16	ug/l	97
11) Tert butyl alcohol	3.08	59	188092	285.01	ug/l	99
12) 1,1-Dichloroethene	2.37	96	124635	55.61	ug/l	90
13) Acrolein	2.29	56	51744	198.63	ug/l	95
14) Allyl chloride	2.72	41	241606	52.44	ug/l	95
15) Acrylonitrile	3.15	53	440310	277.06	ug/l	99
16) Acetone	2.45	43	330023	244.48	ug/l	94
17) Carbon Disulfide	2.56	76	313179	48.34	ug/l	99
18) Methyl Acetate	2.78	43	228143	60.24	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	441382	56.13	ug/l	96
20) Methylene Chloride	2.85	84	144426	52.16	ug/l	92
21) trans-1,2-Dichloroethene	3.16	96	130825	52.82	ug/l	97
22) Diisopropyl ether	3.87	45	456415	55.00	ug/l	96
23) Vinyl Acetate	3.82	43	1772276	263.90	ug/l	99
24) 1,1-Dichloroethane	3.70	63	245307	52.36	ug/l	99
25) 2-Butanone	4.70	43	528991	246.23	ug/l	94
26) 2,2-Dichloropropane	4.58	77	150769	46.85	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	147829	53.47	ug/l	100
28) Bromochloromethane	5.01	49	97000	45.26	ug/l	98
29) Tetrahydrofuran	5.15	42	346989	267.82	ug/l	100
30) Chloroform	5.21	83	245932	53.76	ug/l	94
31) Cyclohexane	5.57	56	204371	51.08	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	204235	55.44	ug/l	98
36) 1,1-Dichloropropene	5.80	75	168008	45.76	ug/l	98
37) Ethyl Acetate	4.86	43	203302	48.69	ug/l	99
38) Carbon Tetrachloride	5.78	117	170075	47.43	ug/l	97

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Quant Time: Sep 20 05:17:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	201538	52.60	ug/l	98
40) Benzene	6.14	78	523835	48.09	ug/l	100
41) Methacrylonitrile	5.06	41	111708	48.55	ug/l	97
42) 1,2-Dichloroethane	6.20	62	174230	48.22	ug/l	99
43) Isopropyl Acetate	6.46	43	293368	52.90	ug/l	99
44) Trichloroethene	7.21	130	156901	55.44	ug/l	98
45) 1,2-Dichloropropane	7.52	63	139438	53.20	ug/l	100
46) Dibromomethane	7.66	93	89128	53.82	ug/l	98
47) Bromodichloromethane	7.90	83	169803	54.22	ug/l	99
48) Methyl methacrylate	7.77	41	148406	54.07	ug/l	97
49) 1,4-Dioxane	7.76	88	75103	1156.07	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	973936	248.84	ug/l	99
52) Toluene	8.79	92	332880	51.87	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	186397	50.95	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	206234	55.30	ug/l	95
55) 1,1,2-Trichloroethane	9.22	97	138776	50.22	ug/l	97
56) Ethyl methacrylate	9.18	69	209245	53.52	ug/l	96
57) 1,3-Dichloropropane	9.37	76	226085	50.35	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	482476	242.45	ug/l	98
59) 2-Hexanone	9.50	43	741175	246.88	ug/l	100
60) Dibromochloromethane	9.59	129	142389	54.73	ug/l	100
61) 1,2-Dibromoethane	9.68	107	141992	53.79	ug/l	100
64) Tetrachloroethene	9.34	164	191452	53.54	ug/l	97
65) Chlorobenzene	10.14	112	384172	54.00	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	138088	56.28	ug/l	99
67) Ethyl Benzene	10.26	91	639463	55.27	ug/l	100
68) m/p-Xylenes	10.36	106	505114	113.35	ug/l	99
69) o-Xylene	10.70	106	246200	57.47	ug/l	99
70) Styrene	10.71	104	415766	58.58	ug/l	99
71) Bromoform	10.86	173	114872	57.02	ug/l	99
73) Isopropylbenzene	11.02	105	661771	56.73	ug/l	100
74) N-amyl acetate	10.90	43	264912	53.96	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	188955	50.22	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	189990m	53.32	ug/l	
77) Bromobenzene	11.26	156	180445	55.97	ug/l	97
78) n-propylbenzene	11.36	91	751693	56.05	ug/l	99
79) 2-Chlorotoluene	11.42	91	442149	54.36	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	557906	56.89	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	60105	53.76	ug/l	94
82) 4-Chlorotoluene	11.51	91	518748	54.64	ug/l	99
83) tert-Butylbenzene	11.77	119	527988	56.56	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	571917	57.12	ug/l	99
85) sec-Butylbenzene	11.95	105	678769	57.06	ug/l	100
86) p-Isopropyltoluene	12.07	119	608593	57.93	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	329191	54.72	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	331749	53.37	ug/l	100
89) n-Butylbenzene	12.39	91	521800	54.51	ug/l	98
90) Hexachloroethane	12.60	117	95099	56.55	ug/l	93
91) 1,2-Dichlorobenzene	12.40	146	335875	55.16	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	45345	56.44	ug/l	95

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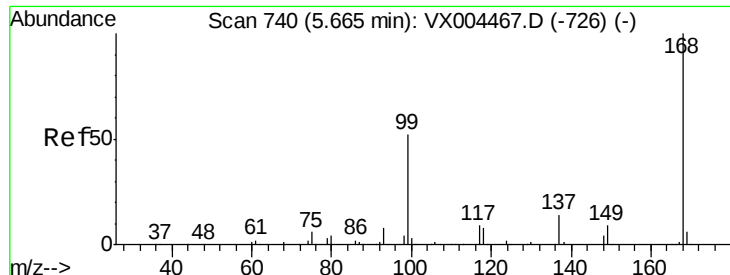
Manual Integrations
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9/20/2018 1:42:37 PM

Quant Time: Sep 20 05:17:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	250594	58.13	ug/l	98
94) Hexachlorobutadiene	13.79	225	123598	54.88	ug/l	98
95) Naphthalene	13.83	128	731376	60.49	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	255542	57.70	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX004719.D

Acq: 19 Sep 2018 21:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 214497

Ion Ratio Lower Upper

168 100

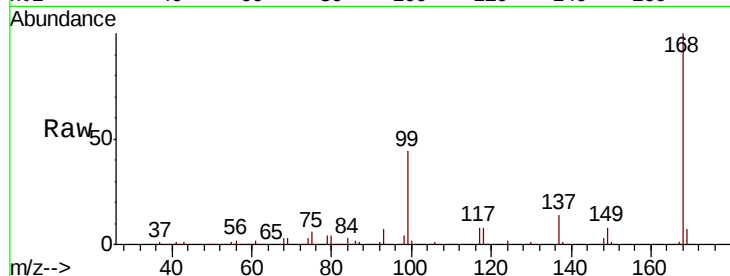
99 43.6 39.9 59.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

80000

60000

40000

20000

0

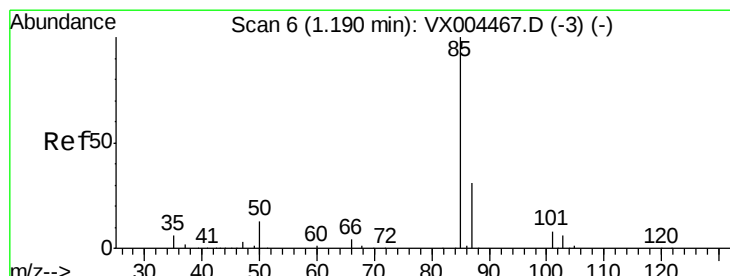
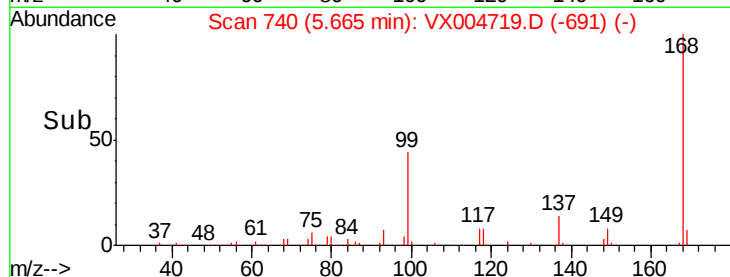
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 51.98 ug/l

RT: 1.19 min Scan# 6

Delta R.T. -0.00 min

Lab File: VX004719.D

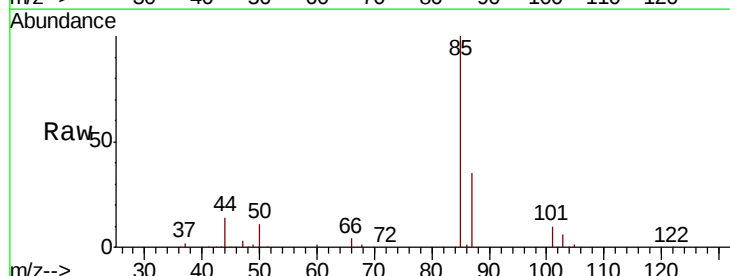
Acq: 19 Sep 2018 21:13

Tgt Ion: 85 Resp: 104499

Ion Ratio Lower Upper

85 100

87 34.8 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

100000

80000

60000

40000

20000

0

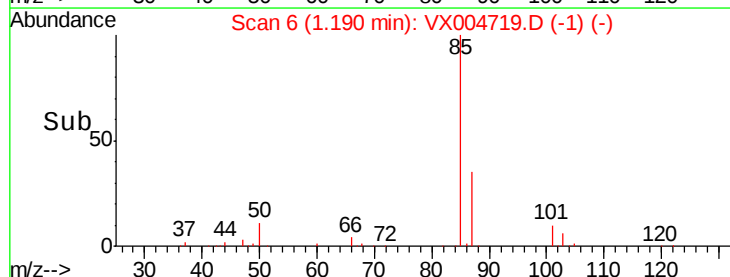
1.15

1.20

1.25

1.30

Time-->





#3

Chloromethane

Concen: 50.79 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004719.D

Acq: 19 Sep 2018 21:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 140511

Ion Ratio Lower Upper

50 100

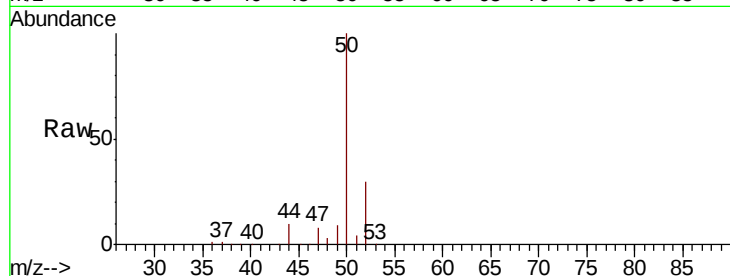
52 30.4 26.2 39.2

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

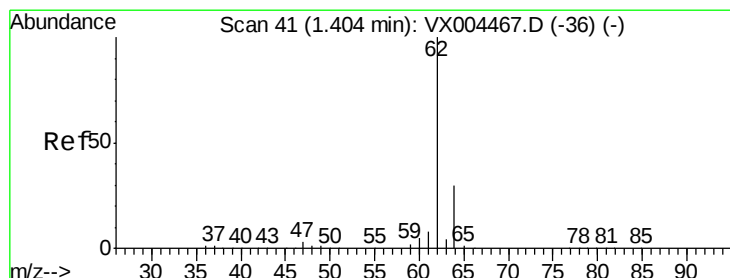
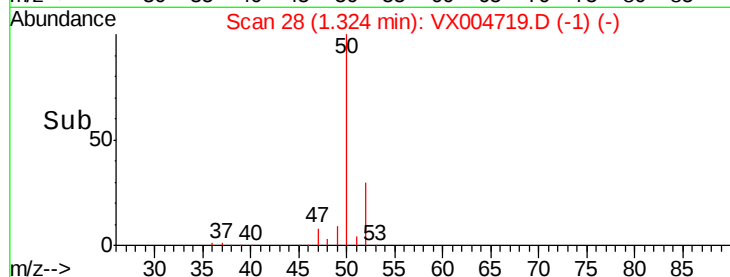
1.32

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 54.70 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004719.D

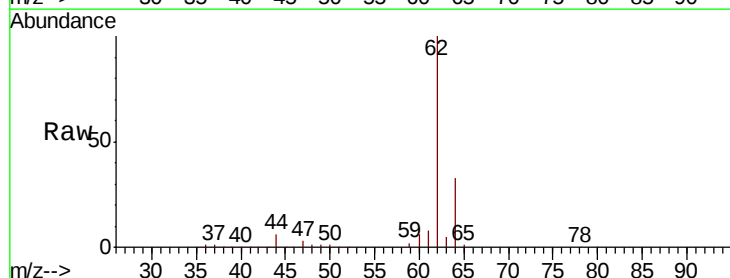
Acq: 19 Sep 2018 21:13

Tgt Ion: 62 Resp: 155307

Ion Ratio Lower Upper

62 100

64 33.5 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

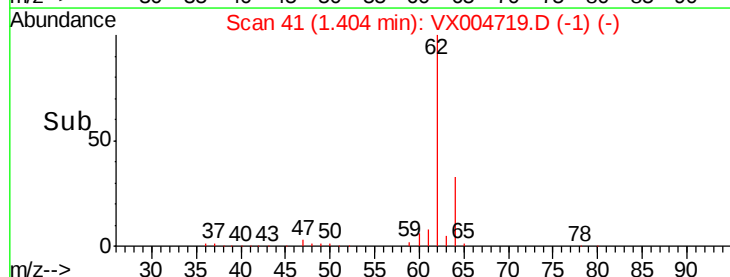
150000

100000

50000

0

Time-->





#5

Bromomethane

Concen: 56.03 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004719.D

Acq: 19 Sep 2018 21:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 66441

Ion Ratio Lower Upper

94 100

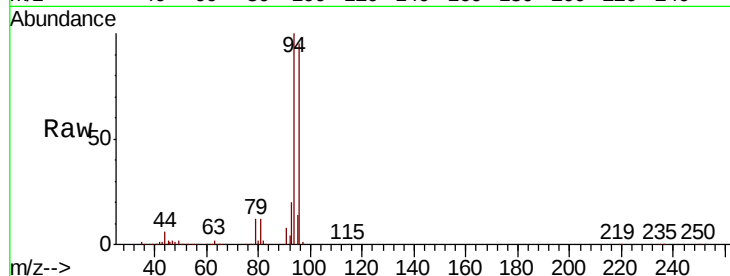
96 94.7 74.5 111.7

Manual Integrations

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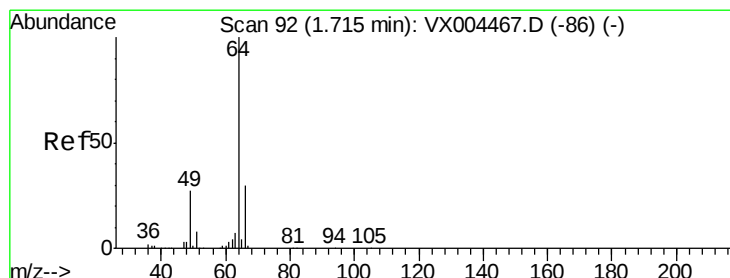
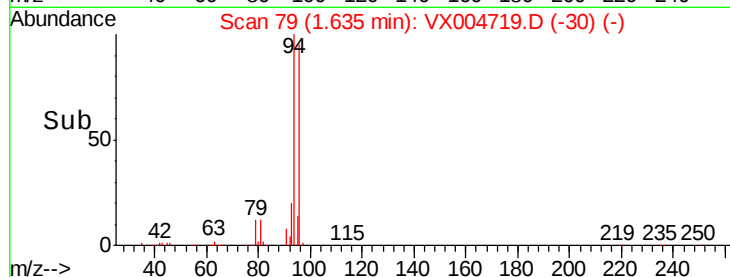
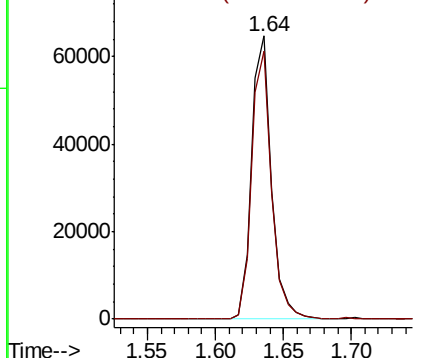
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 51.80 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX004719.D

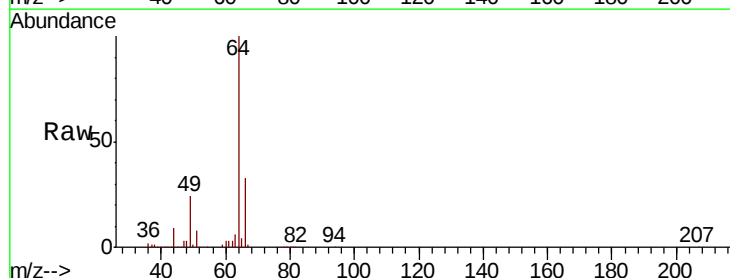
Acq: 19 Sep 2018 21:13

Tgt Ion: 64 Resp: 95111

Ion Ratio Lower Upper

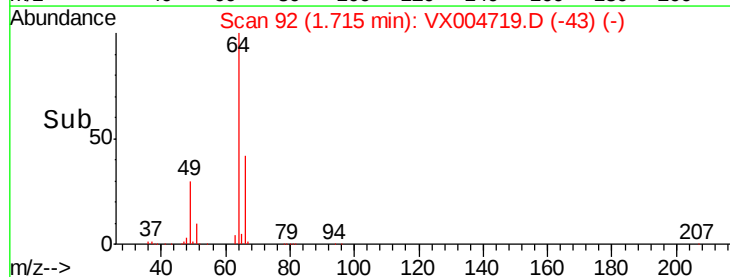
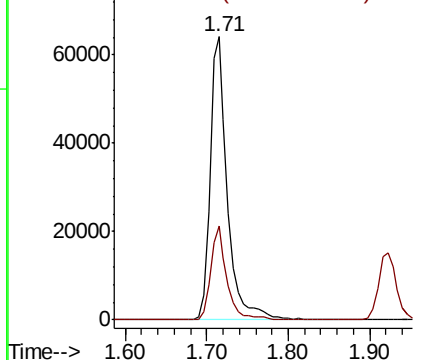
64 100

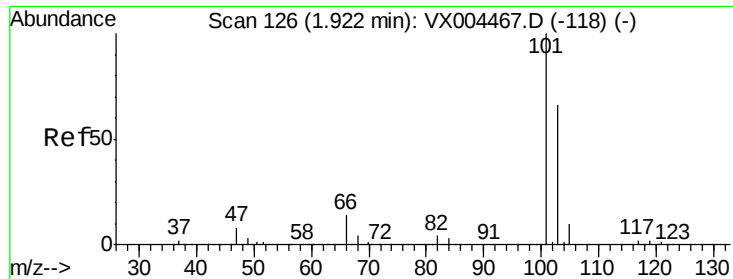
66 33.4 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

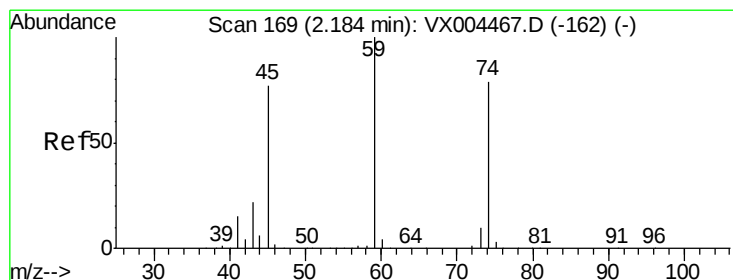
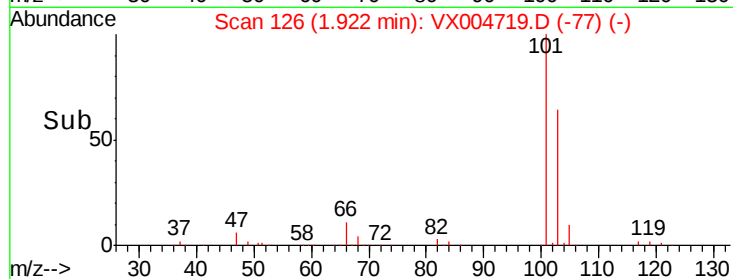
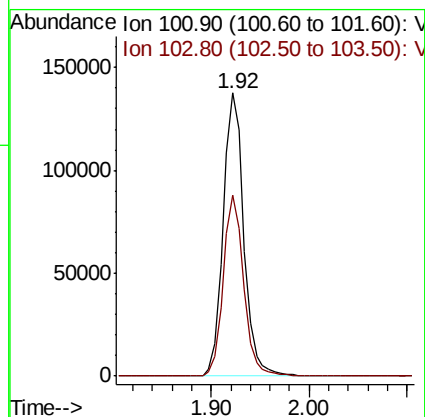
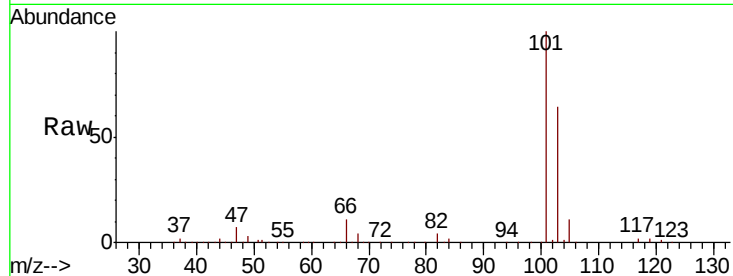
Trichlorofluoromethane
Concen: 53.48 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX004719.D
Acq: 19 Sep 2018 21:13

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		201318		
103	63.7	48.9	73.3		

Manual Integrations
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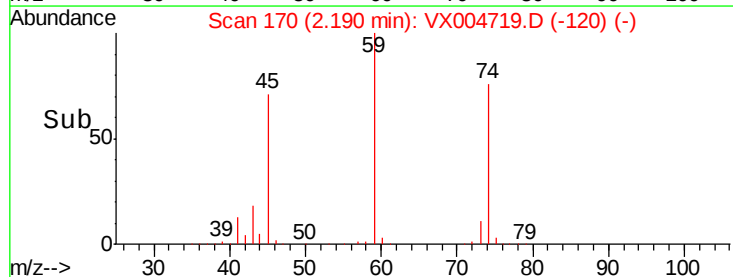
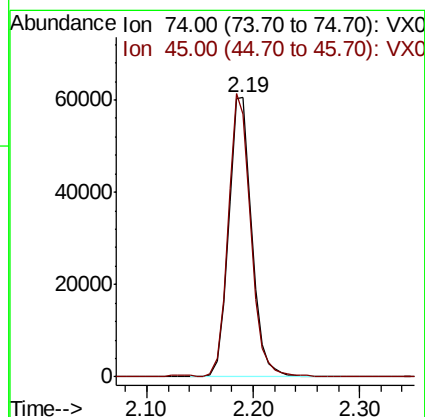
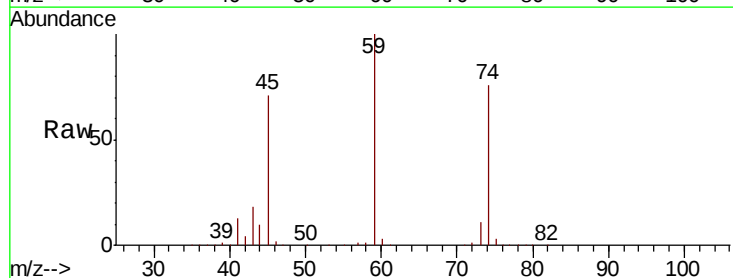
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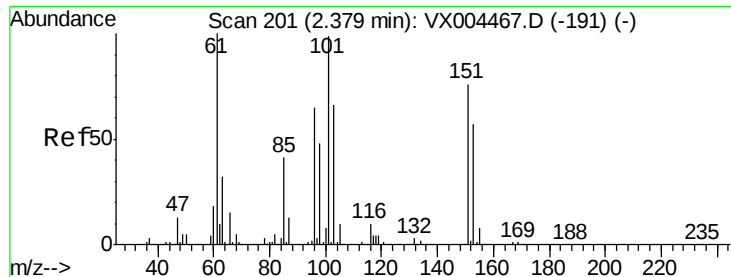


#8

Diethyl Ether
Concen: 54.37 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX004719.D
Acq: 19 Sep 2018 21:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		91753		
45	98.2	48.3	144.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.41 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX004719.D

Acq: 19 Sep 2018 21:13

Instrument :

MSVOA_X

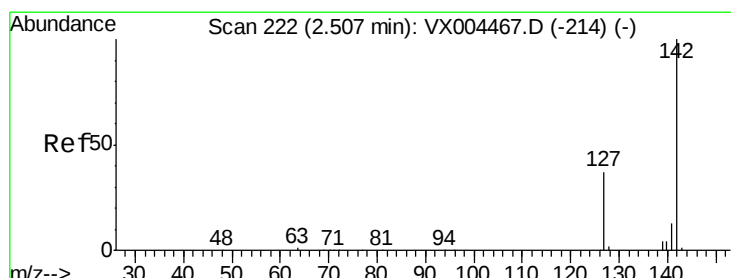
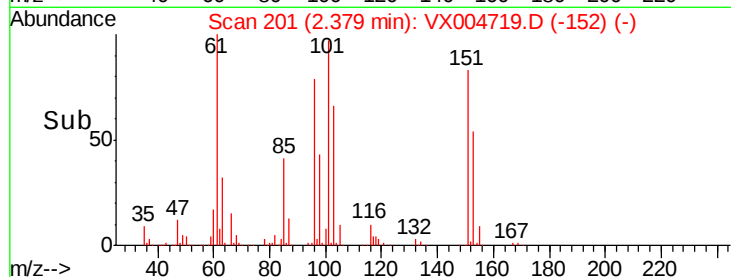
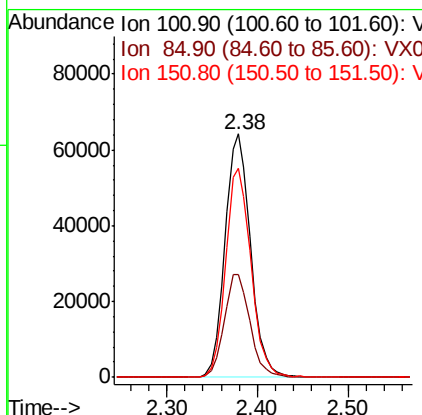
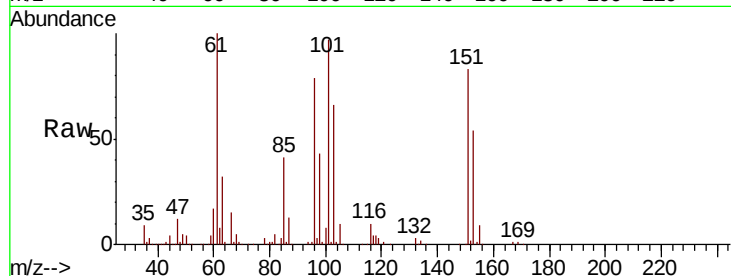
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	125142
Ion Ratio	Lower	Upper	
101	100		
85	42.6	34.2	51.4
151	85.3	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 49.16 ug/l

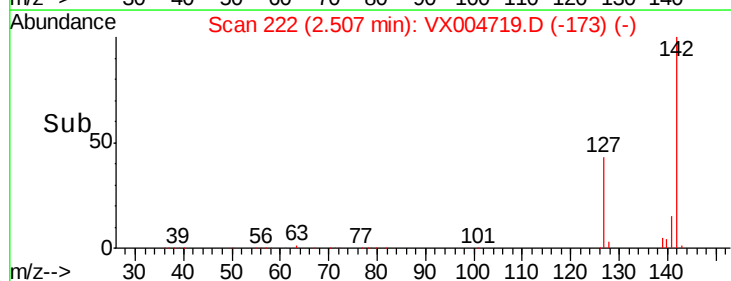
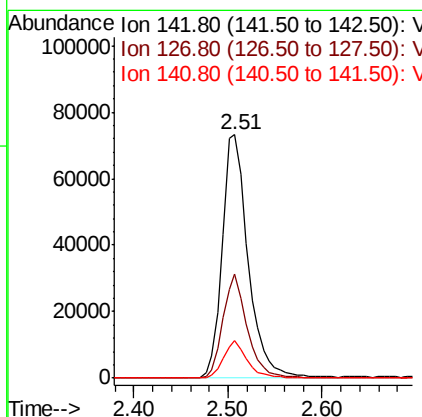
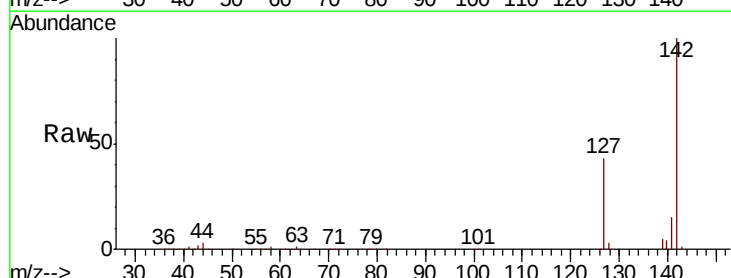
RT: 2.51 min Scan# 222

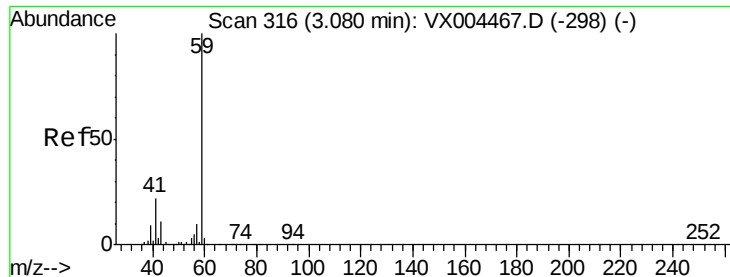
Delta R.T. 0.00 min

Lab File: VX004719.D

Acq: 19 Sep 2018 21:13

Tgt Ion:	142	Resp:	140114
Ion Ratio	Lower	Upper	
142	100		
127	39.8	33.8	50.6
141	14.0	11.4	17.0





#11

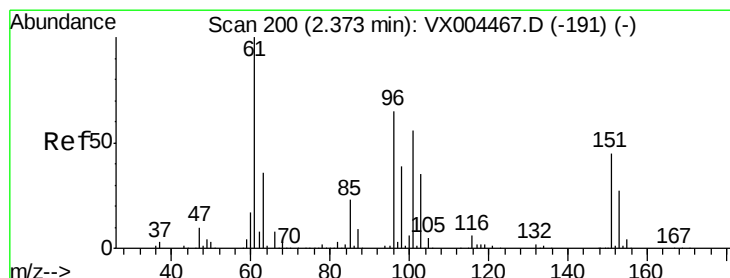
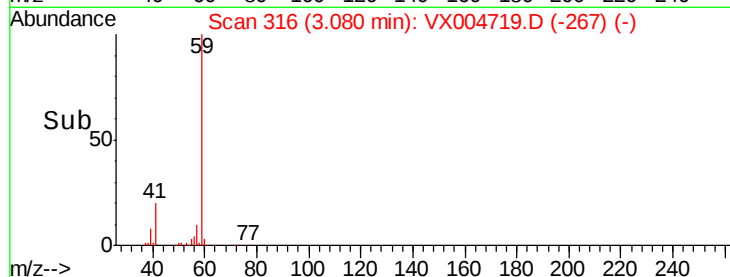
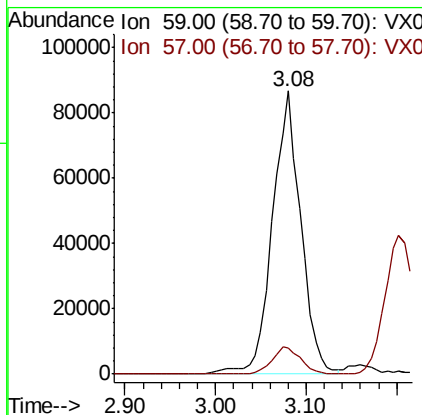
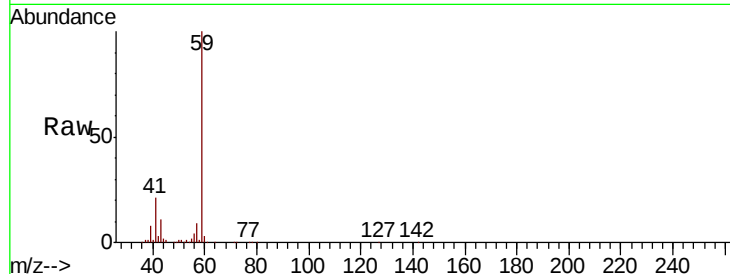
Tert butyl alcohol
 Concen: 285.01 ug/l
 RT: 3.08 min Scan# 316
 Delta R.T. -0.00 min
 Lab File: VX004719.D
 Acq: 19 Sep 2018 21:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.2	12.4

Manual Integrations
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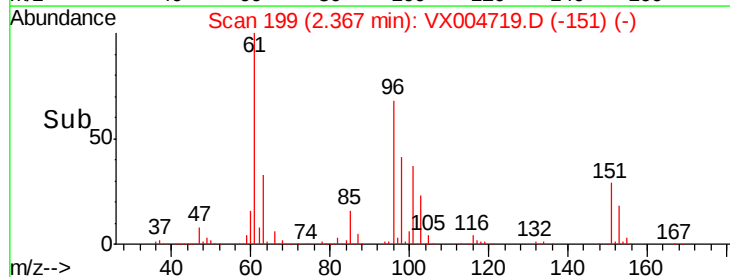
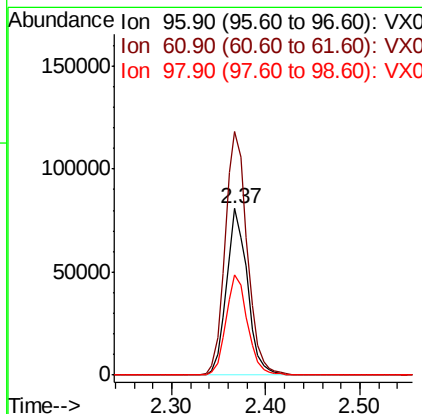
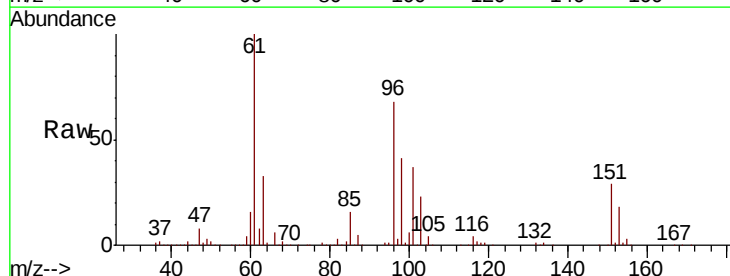
MMDadoda
 9/20/2018 1:42:37 PM

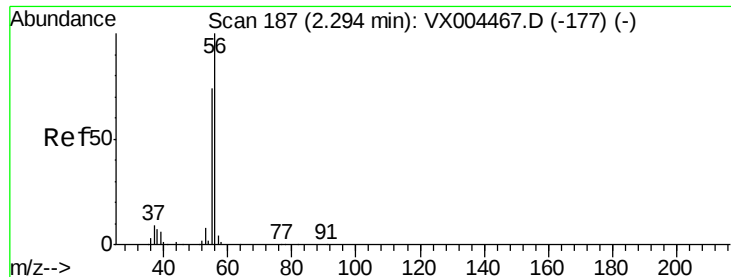


#12

1,1-Dichloroethene
 Concen: 55.61 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. -0.01 min
 Lab File: VX004719.D
 Acq: 19 Sep 2018 21:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.2	128.8	193.2
98	60.0	52.2	78.2





#13

Acrolein

Concen: 198.63 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004719.D

Acq: 19 Sep 2018 21:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 51744

Ion Ratio Lower Upper

56 100

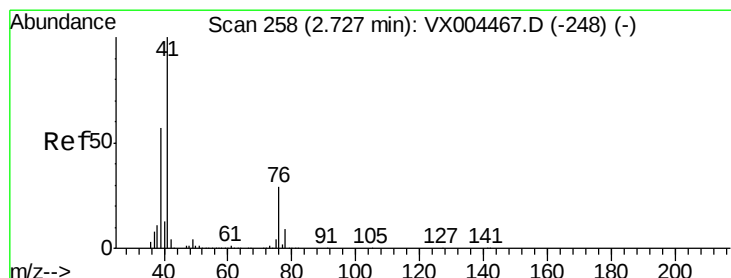
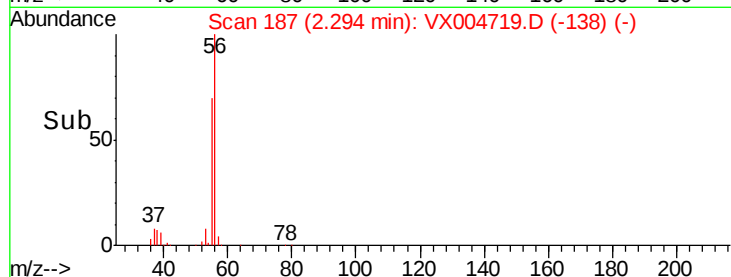
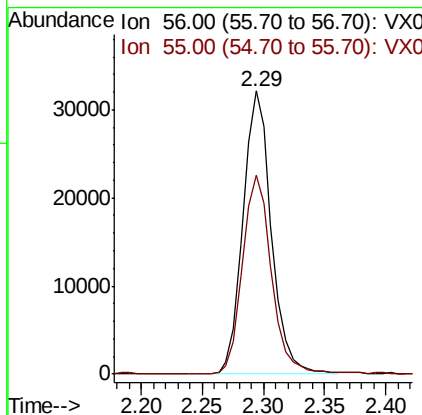
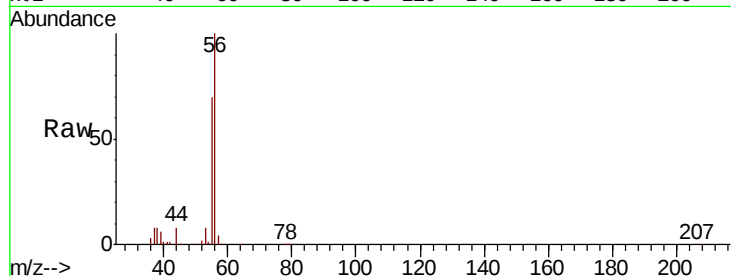
55 72.3 54.7 82.1

Manual Integrations

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#14

Allyl chloride

Concen: 52.44 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX004719.D

Acq: 19 Sep 2018 21:13

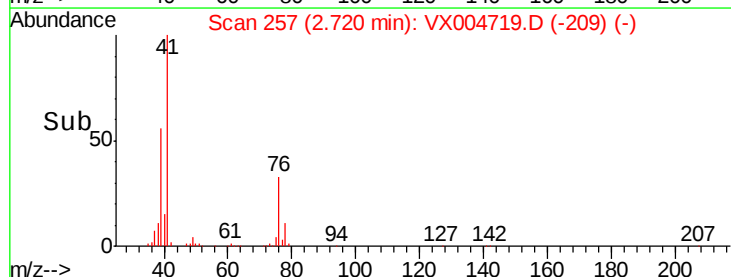
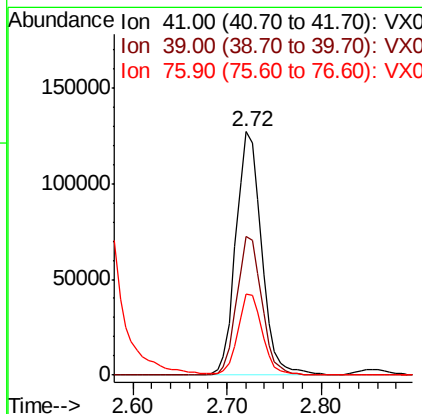
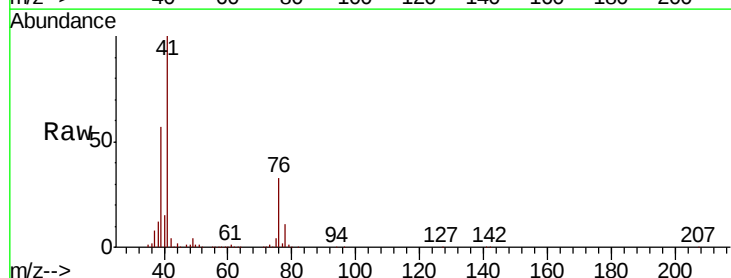
Tgt Ion: 41 Resp: 241606

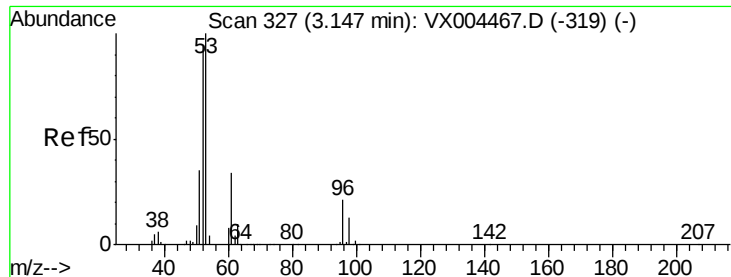
Ion Ratio Lower Upper

41 100

39 55.9 48.9 73.3

76 32.0 26.7 40.1





#15

Acrylonitrile

Concen: 277.06 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX004719.D

Acq: 19 Sep 2018 21:13

Instrument :

MSVOA_X

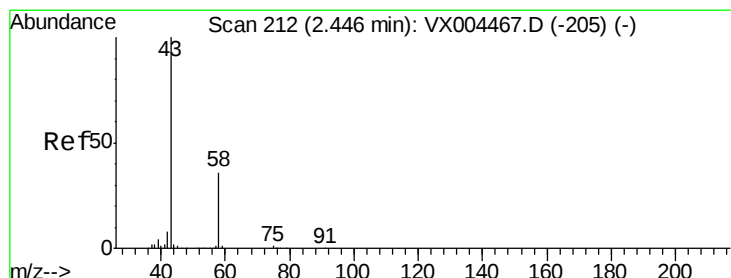
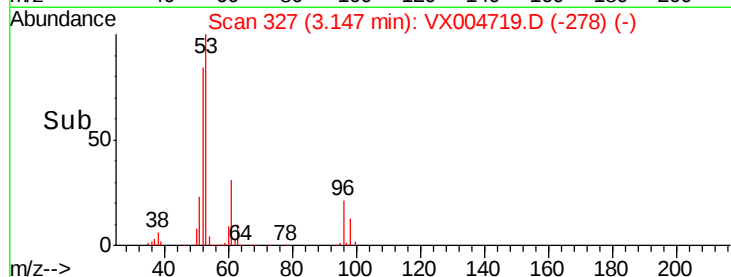
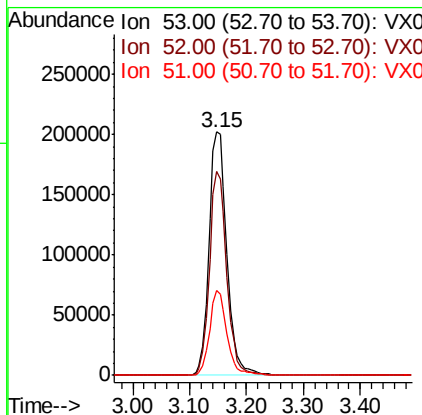
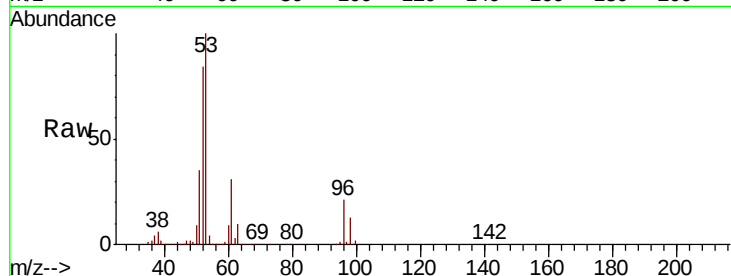
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	440310
Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.2	97.8
51	33.7	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 244.48 ug/l

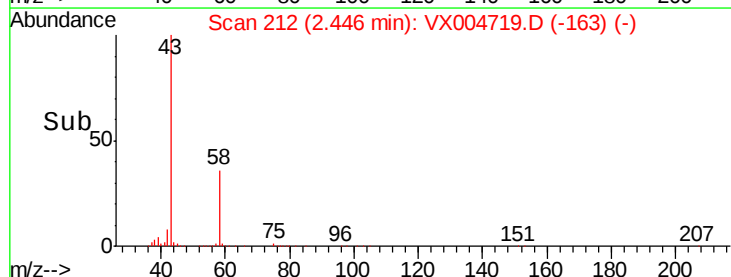
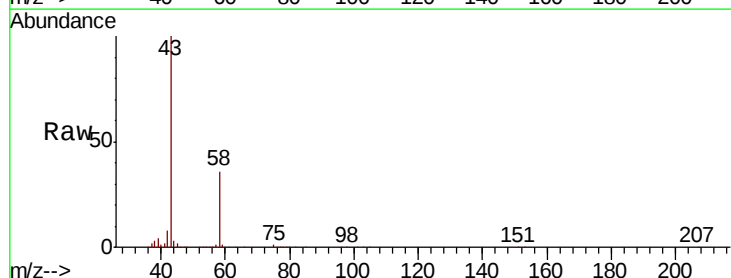
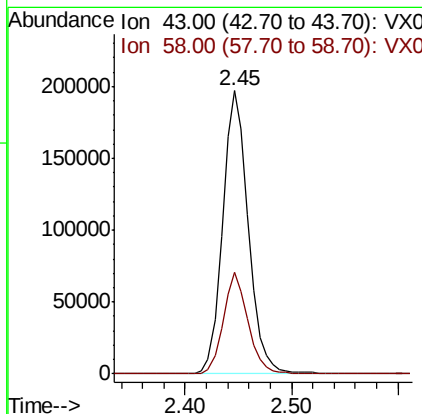
RT: 2.45 min Scan# 212

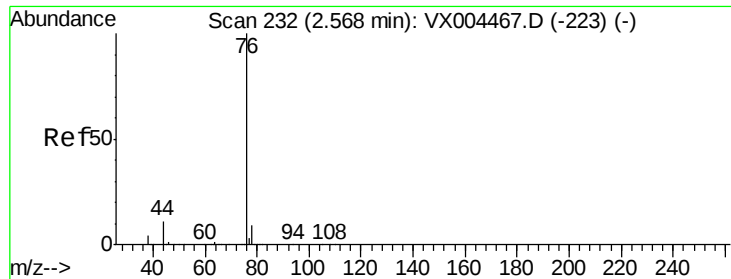
Delta R.T. -0.00 min

Lab File: VX004719.D

Acq: 19 Sep 2018 21:13

Tgt Ion:	43	Resp:	330023
Ion	Ratio	Lower	Upper
43	100		
58	35.9	26.2	39.4





#17

Carbon Disulfide

Concen: 48.34 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX004719.D

Acq: 19 Sep 2018 21:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 313179

Ion Ratio Lower Upper

76 100

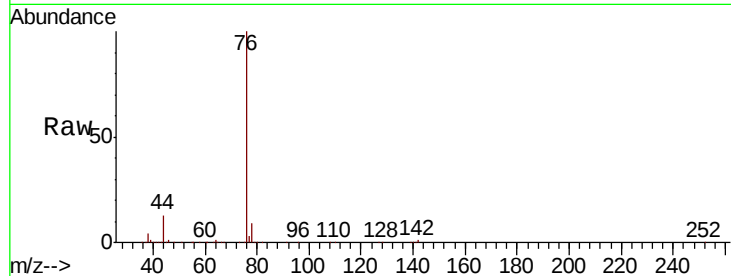
78 9.2 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

150000

100000

50000

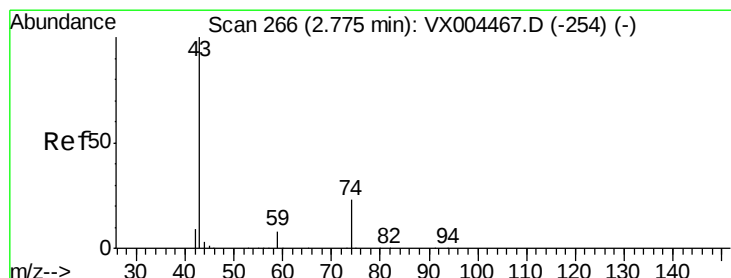
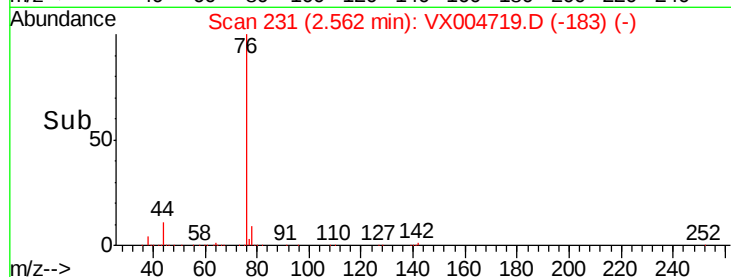
0

Time-->

2.50

2.60

2.70



#18

Methyl Acetate

Concen: 60.24 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX004719.D

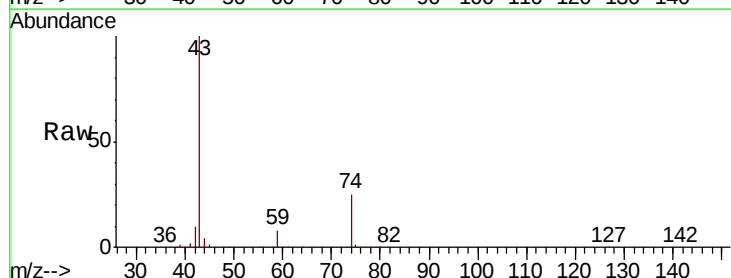
Acq: 19 Sep 2018 21:13

Tgt Ion: 43 Resp: 228143

Ion Ratio Lower Upper

43 100

74 23.1 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

100000

50000

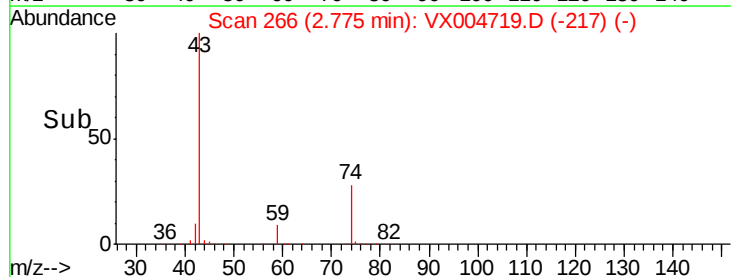
0

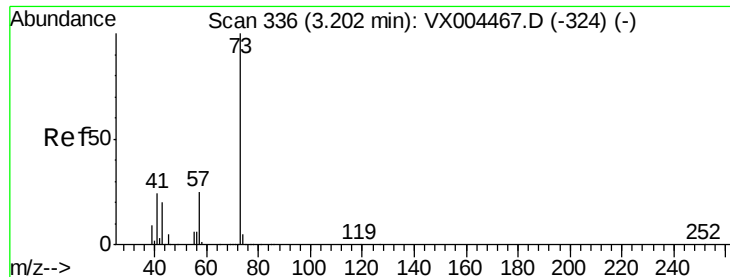
Time-->

2.70

2.80

2.90





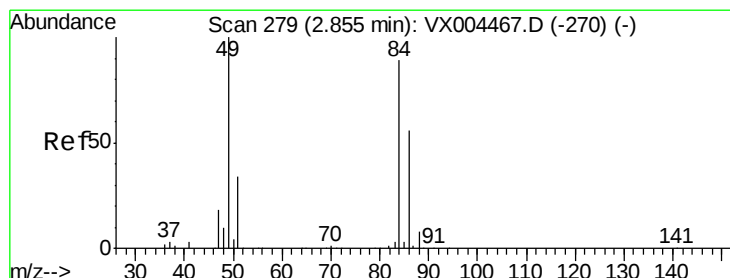
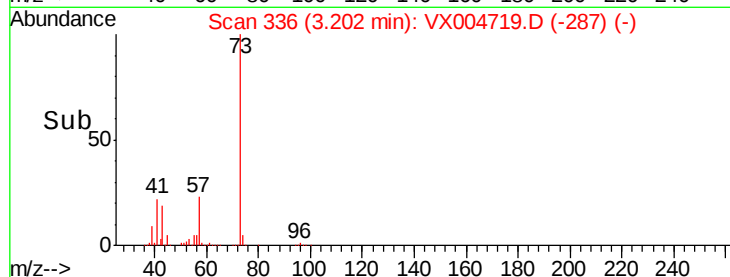
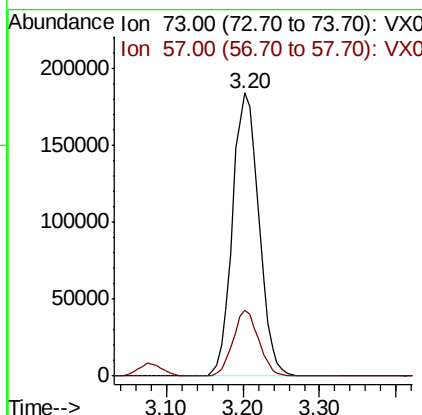
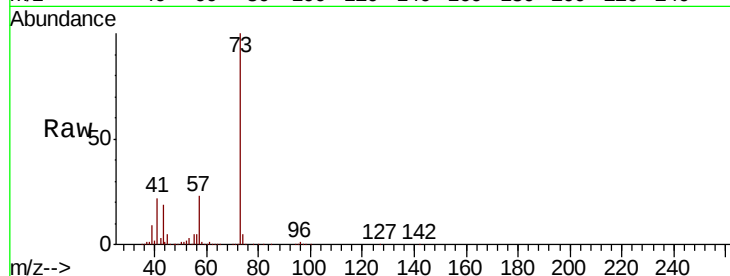
#19
Methvl tert-butvl Ether
Concen: 56.13 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX004719.D
Acq: 19 Sep 2018 21:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 441382
Ion Ratio Lower Upper
73 100
57 23.1 17.1 25.7

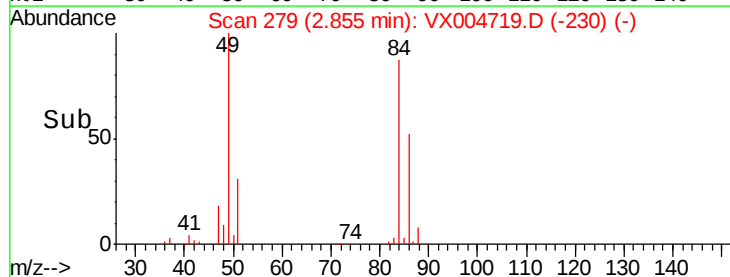
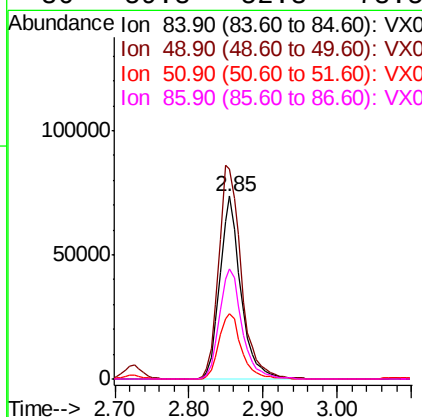
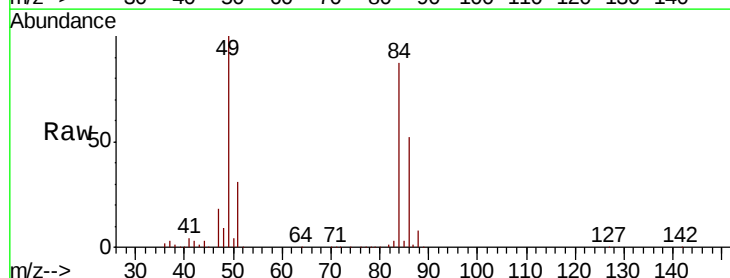
Manual Integrations
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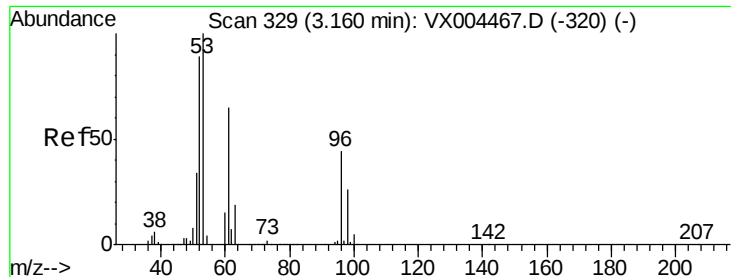
MMDadoda
9/20/2018 1:42:37 PM



#20
Methylene Chloride
Concen: 52.16 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX004719.D
Acq: 19 Sep 2018 21:13

Tgt Ion: 84 Resp: 144426
Ion Ratio Lower Upper
84 100
49 114.4 101.2 151.8
51 35.9 29.5 44.3
86 59.8 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 52.82 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX004719.D

Acq: 19 Sep 2018 21:13

Instrument :

MSVOA_X

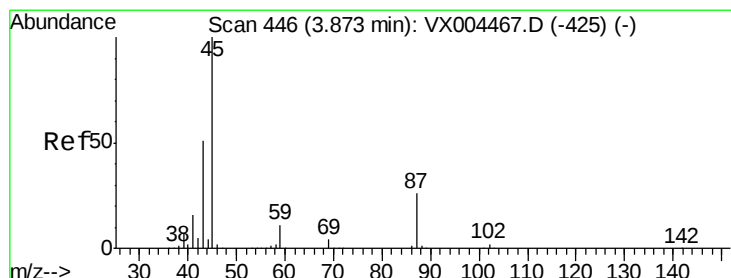
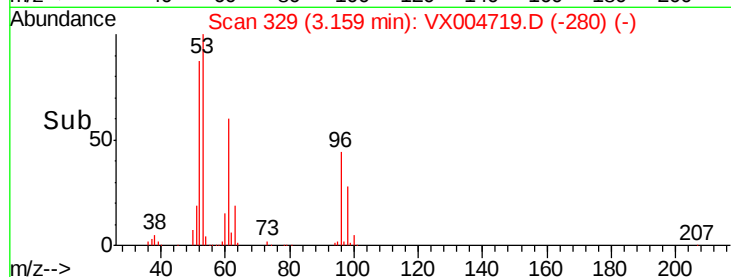
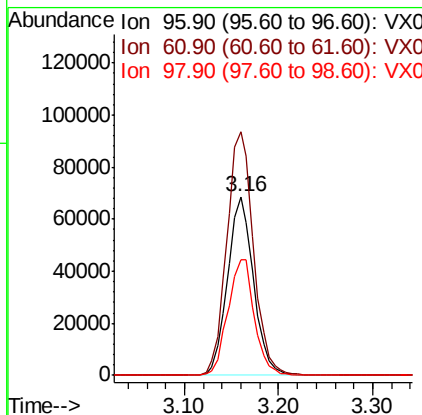
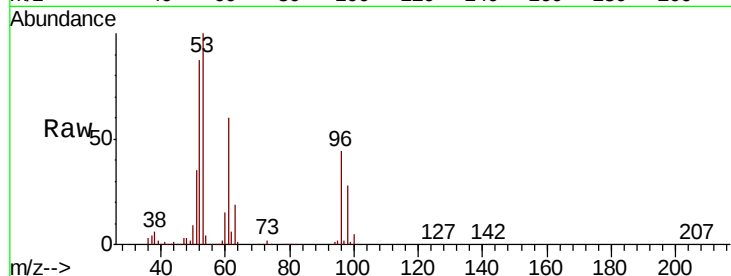
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	130825
Ion	Ratio	Lower	Upper
96	100		
61	136.1	113.8	170.6
98	64.5	51.8	77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 55.00 ug/l

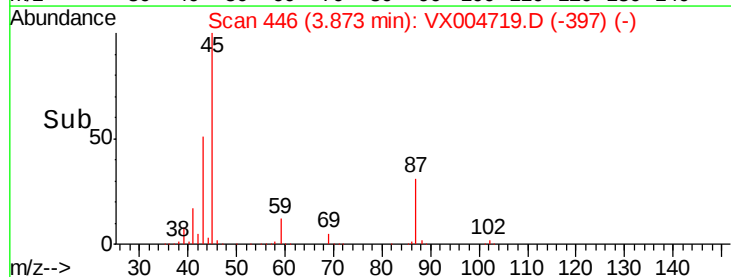
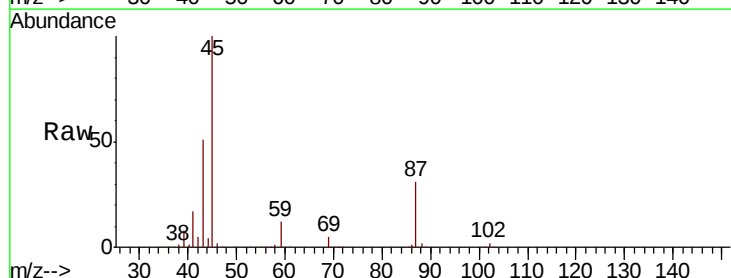
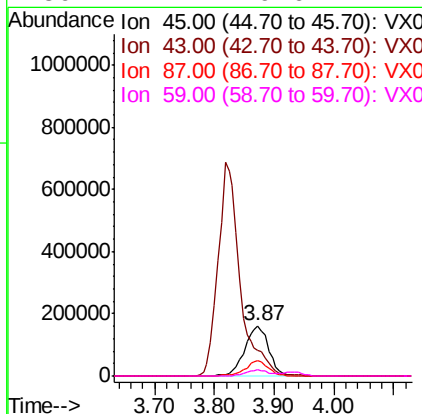
RT: 3.87 min Scan# 446

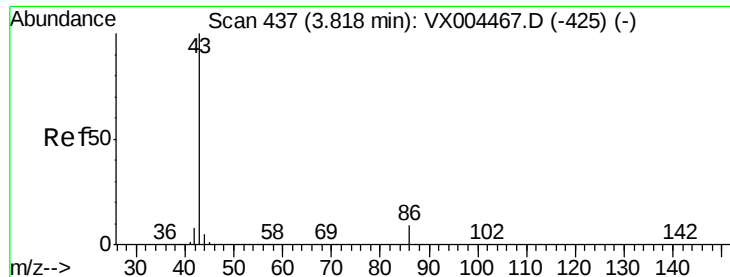
Delta R.T. -0.00 min

Lab File: VX004719.D

Acq: 19 Sep 2018 21:13

Tgt Ion:	45	Resp:	456415
Ion	Ratio	Lower	Upper
45	100		
43	50.8	42.8	64.2
87	31.5	22.6	34.0
59	11.7	9.6	14.4





#23

Vinyl Acetate

Concen: 263.90 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX004719.D

Acq: 19 Sep 2018 21:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1772276

Ion Ratio Lower Upper

43 100

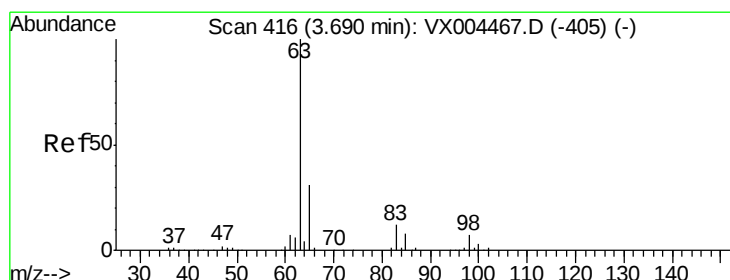
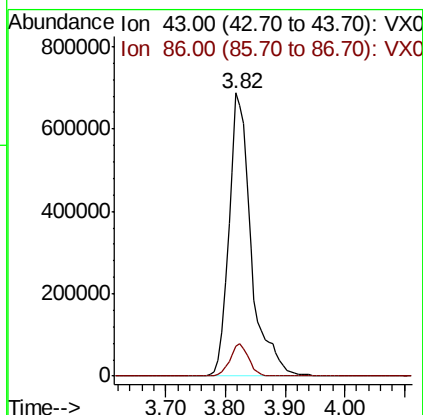
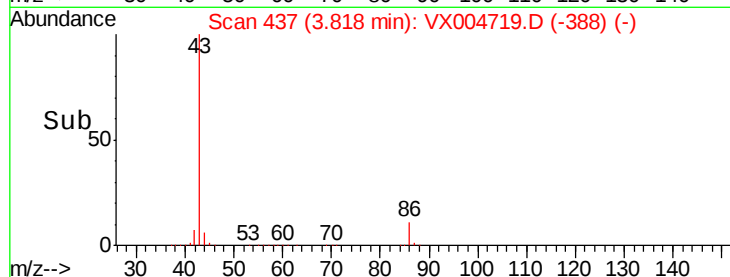
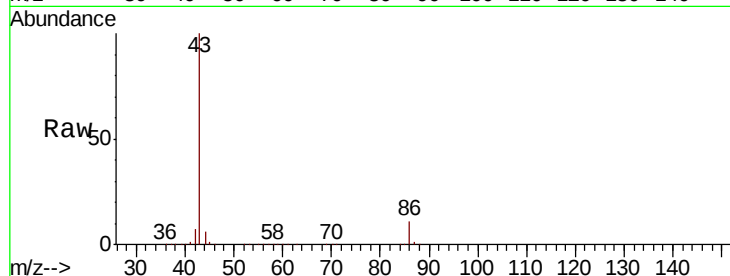
86 10.5 8.9 13.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 52.36 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX004719.D

Acq: 19 Sep 2018 21:13

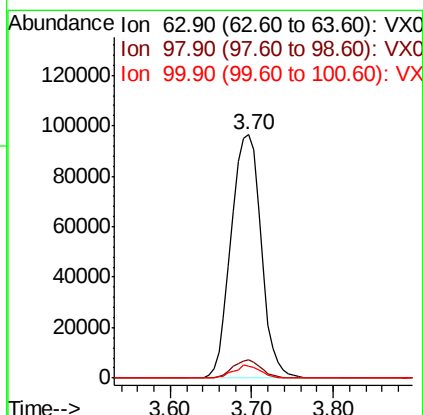
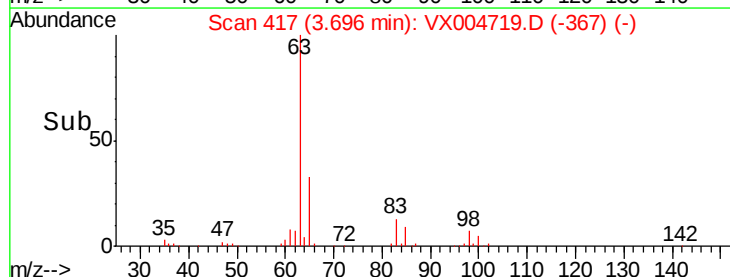
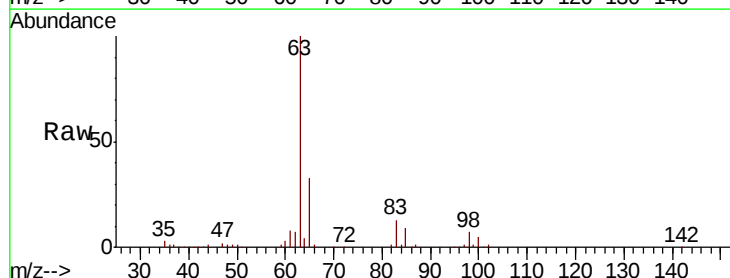
Tgt Ion: 63 Resp: 245307

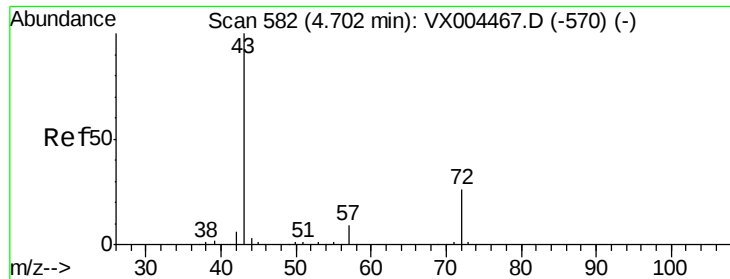
Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.4

100 4.7 2.4 7.1





#25

2-Butanone

Concen: 246.23 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX004719.D

Acq: 19 Sep 2018 21:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 528991

Ion Ratio Lower Upper

43 100

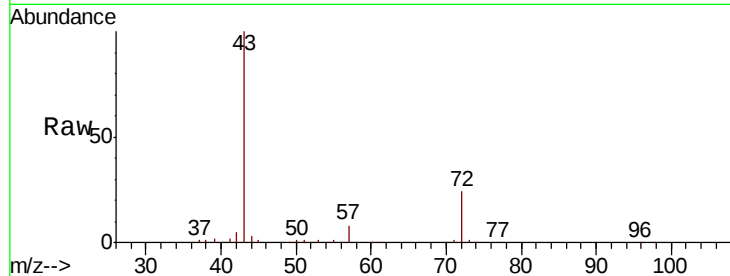
72 24.2 22.0 33.0

Manual Integrations

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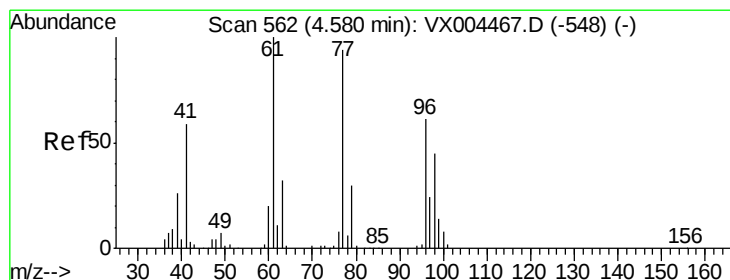
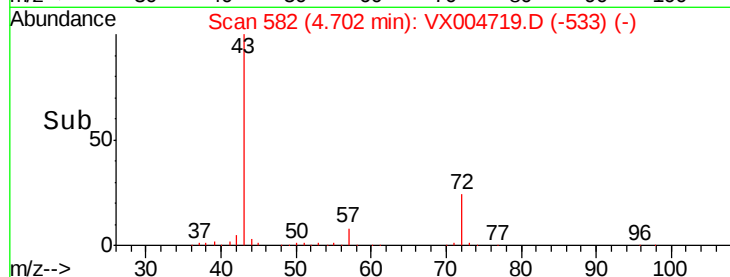
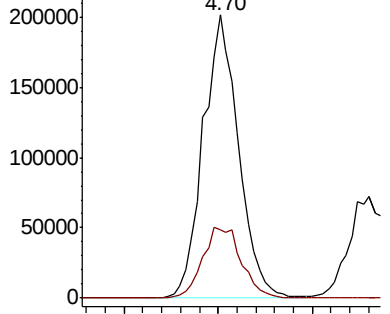
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 46.85 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX004719.D

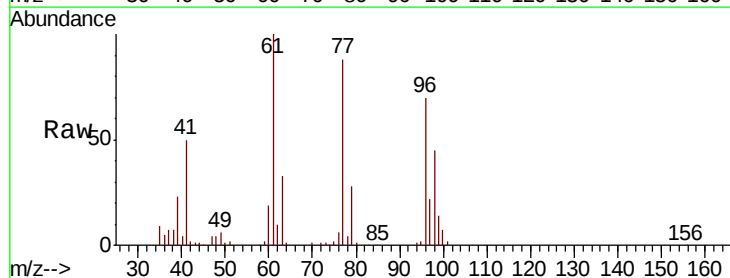
Acq: 19 Sep 2018 21:13

Tgt Ion: 77 Resp: 150769

Ion Ratio Lower Upper

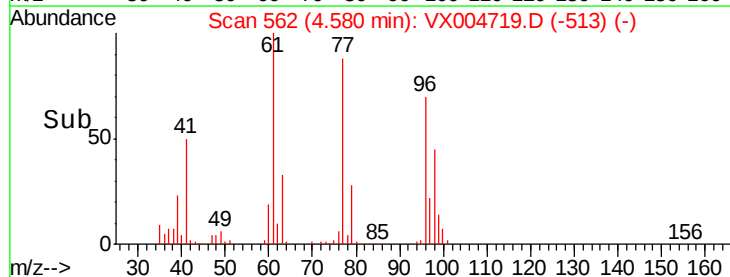
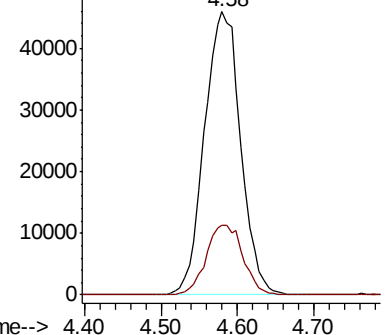
77 100

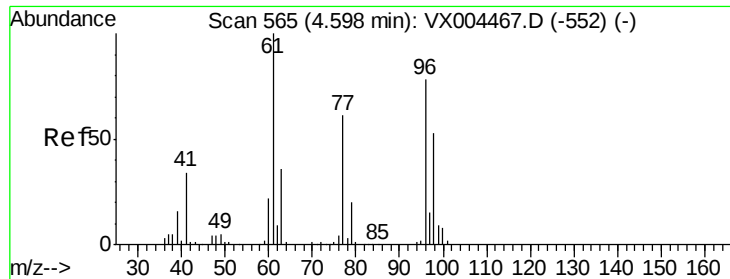
97 25.0 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

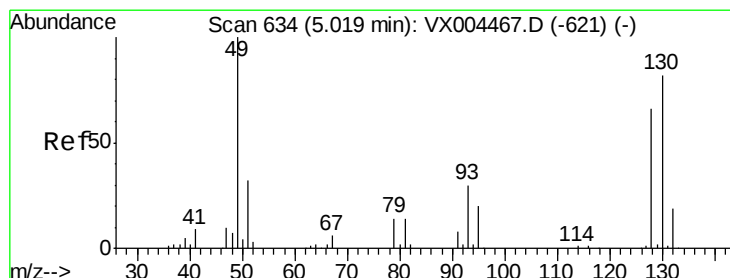
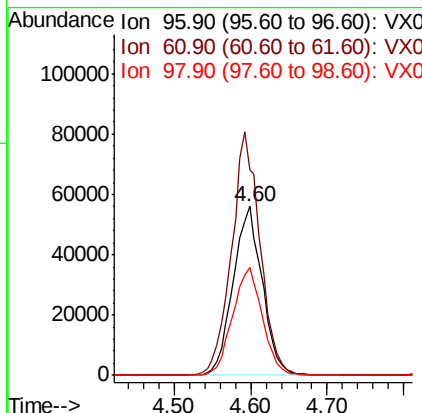
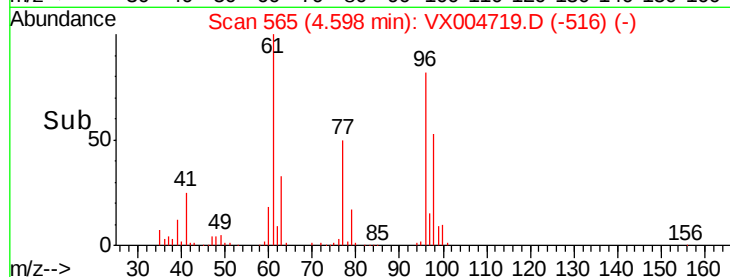
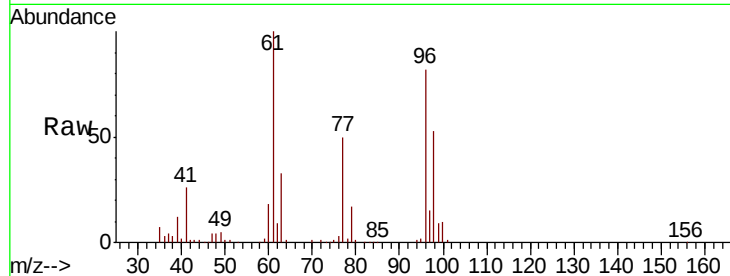
cis-1,2-Dichloroethene
Concen: 53.47 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX004719.D
Acq: 19 Sep 2018 21:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.2	0.0	282.6
98	65.2	0.0	130.2

Manual Integrations
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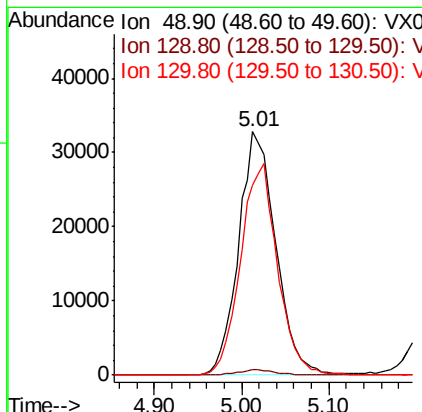
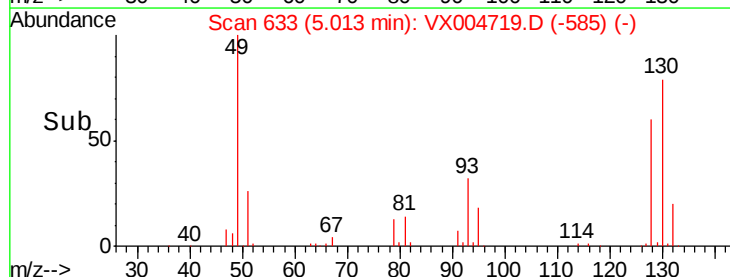
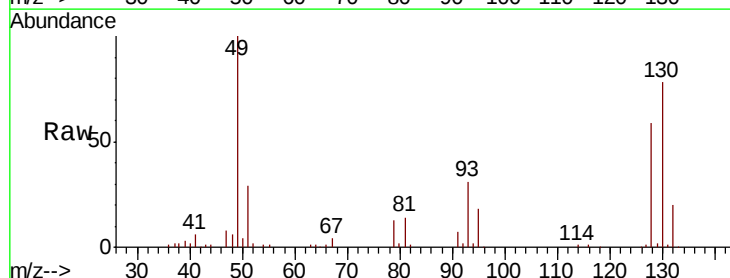
MMDadoda
9/20/2018 1:42:37 PM

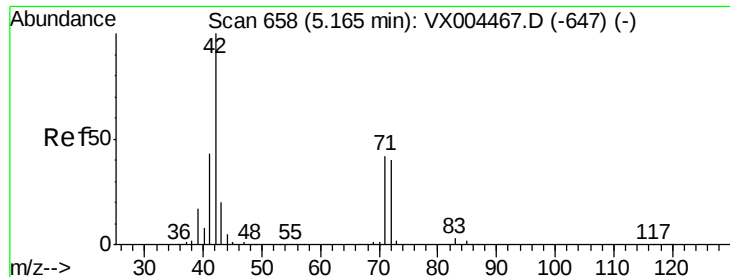


#28

Bromochloromethane
Concen: 45.26 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX004719.D
Acq: 19 Sep 2018 21:13

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	86.1	67.5	101.3





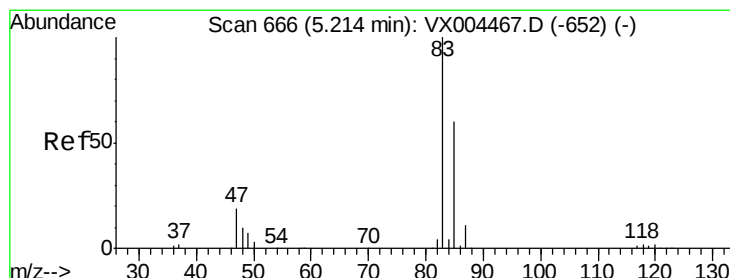
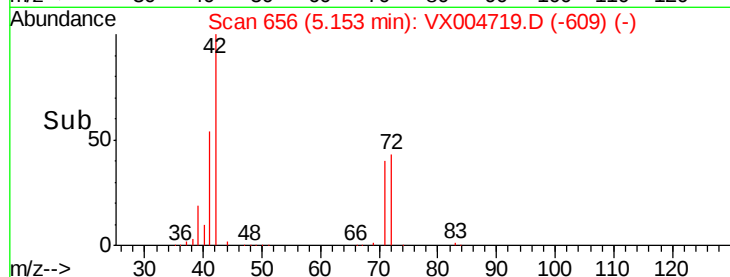
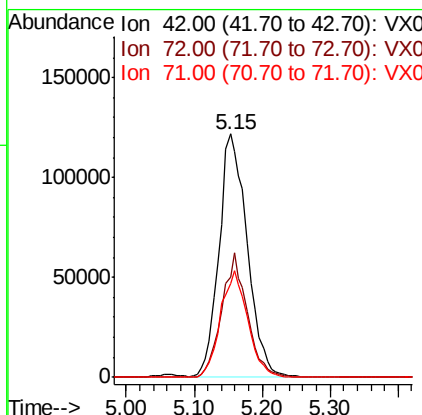
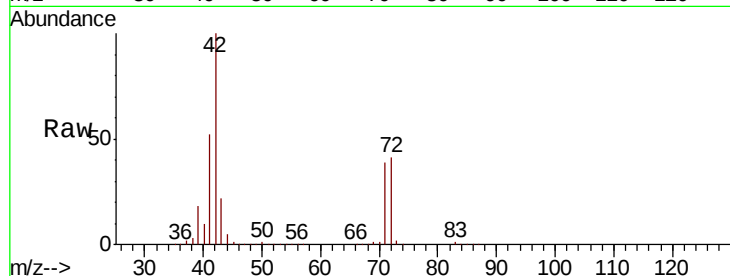
#29
Tetrahydrofuran
Concen: 267.82 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX004719.D
Acq: 19 Sep 2018 21:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	42	Resp:	346989
Ion	Ratio	Lower	Upper
42	100		
72	46.5	37.4	56.0
71	42.8	34.5	51.7

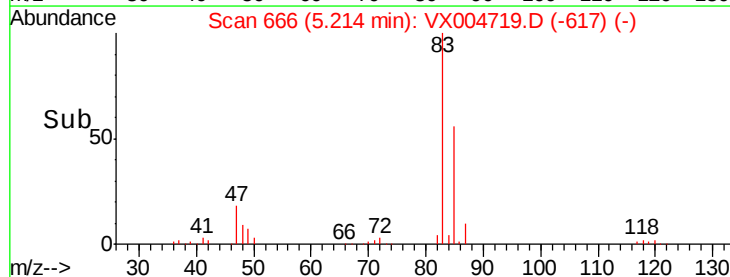
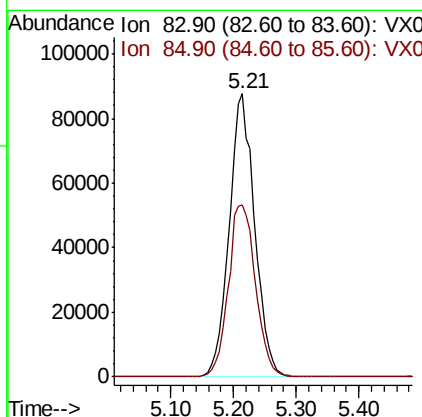
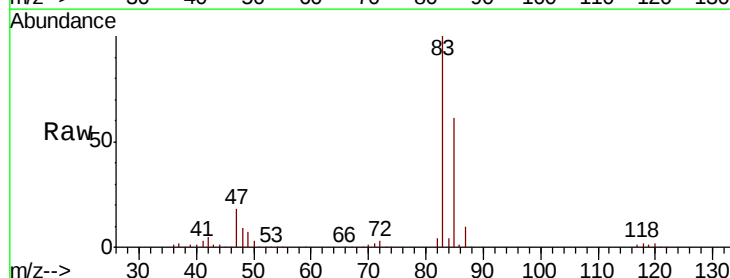
Manual Integrations
APPROVED

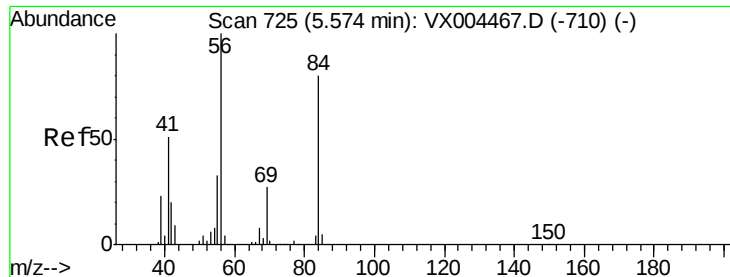
MMDadoda
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#30
Chloroform
Concen: 53.76 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX004719.D
Acq: 19 Sep 2018 21:13

Tgt Ion:	83	Resp:	245932
Ion	Ratio	Lower	Upper
83	100		
85	60.9	52.6	79.0





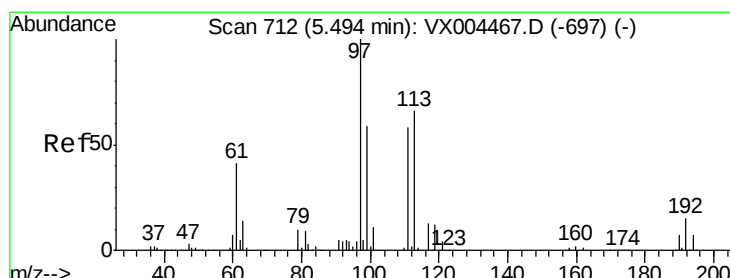
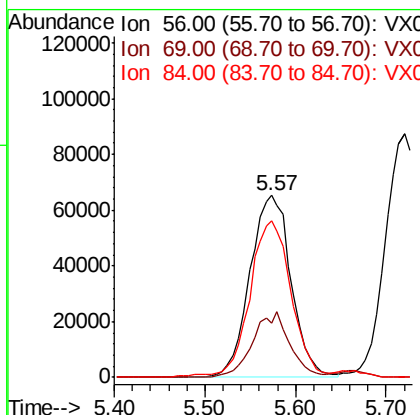
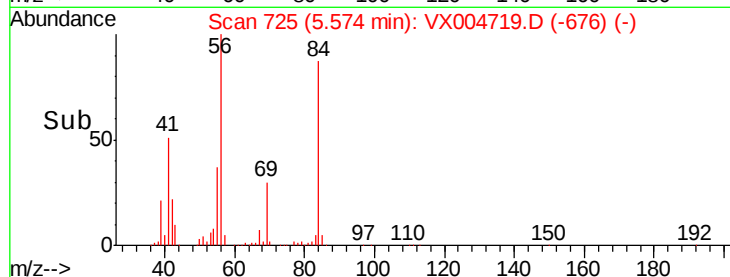
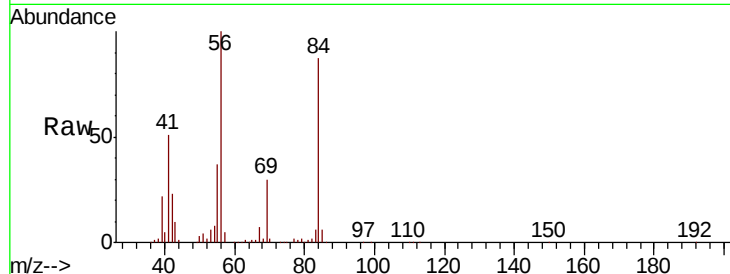
#31
Cyclohexane
Concen: 51.08 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX004719.D
Acq: 19 Sep 2018 21:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.9	25.4	38.2
84	85.4	71.4	107.2

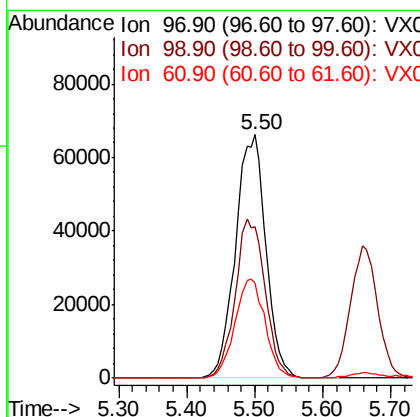
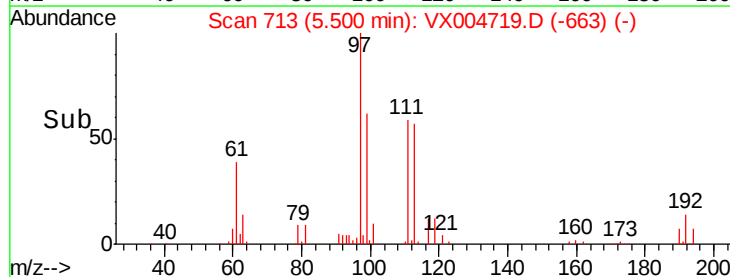
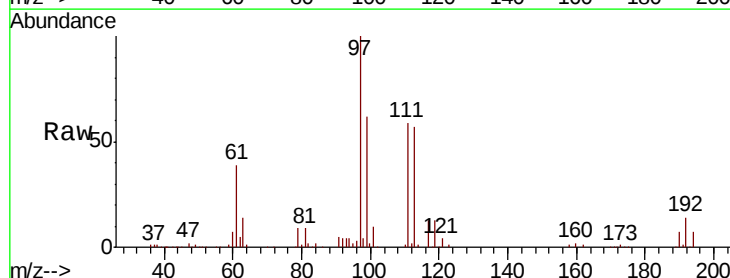
Manual Integrations
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#32
1,1,1-Trichloroethane
Concen: 55.44 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX004719.D
Acq: 19 Sep 2018 21:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.0	78.0
61	40.6	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 43.29 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004719.D

Acq: 19 Sep 2018 21:13

Tot Ion: 65 Resp: 119725

Ion Ratio Lower Upper

65 100

67 55.7 0.0 106.8

Instrument :

MSVOA_X

ClientSampleId :

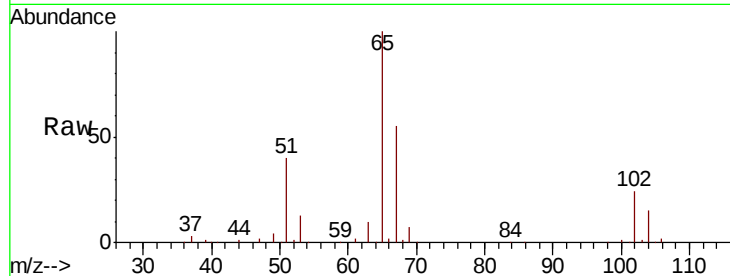
VSTDCCC050EC

Manual Integrations

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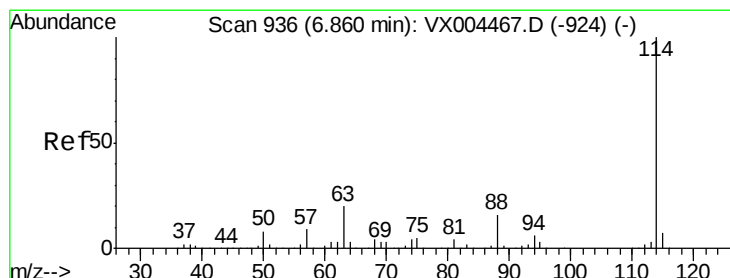
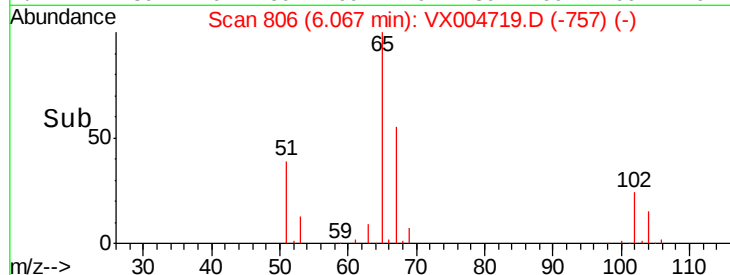
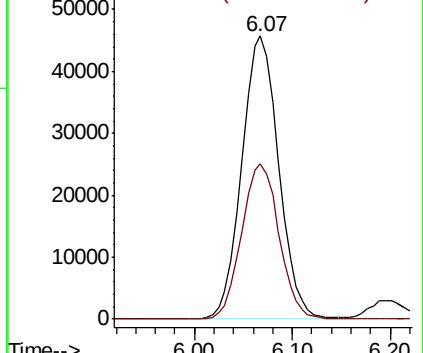
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX004719.D

Acq: 19 Sep 2018 21:13

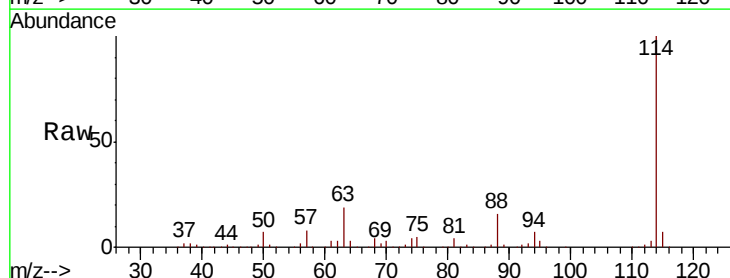
Tgt Ion: 114 Resp: 302416

Ion Ratio Lower Upper

114 100

63 18.7 0.0 39.0

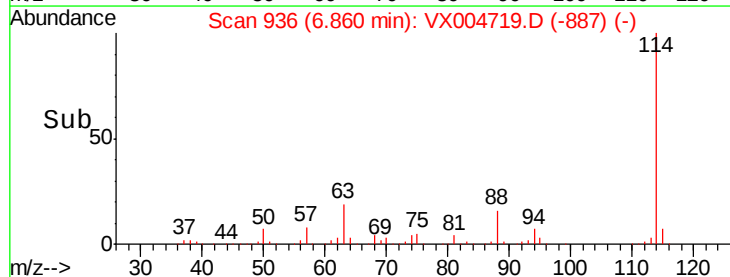
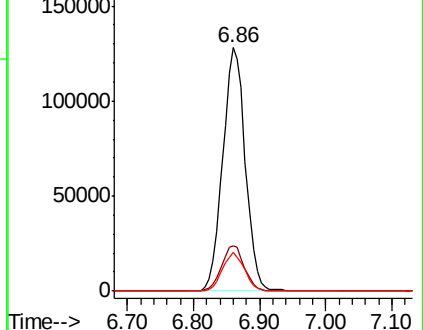
88 15.9 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 39.71 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX004719.D

Acq: 19 Sep 2018 21:13

Instrument :

MSVOA_X

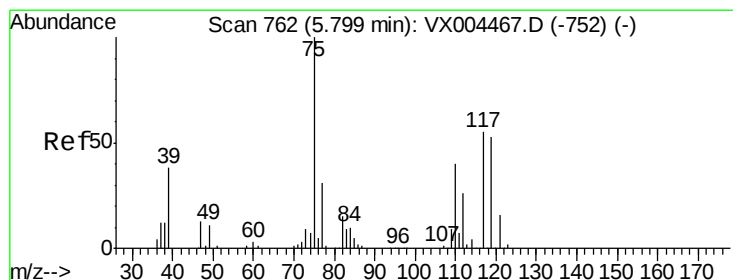
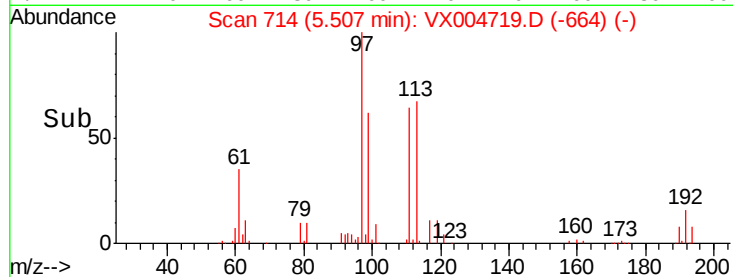
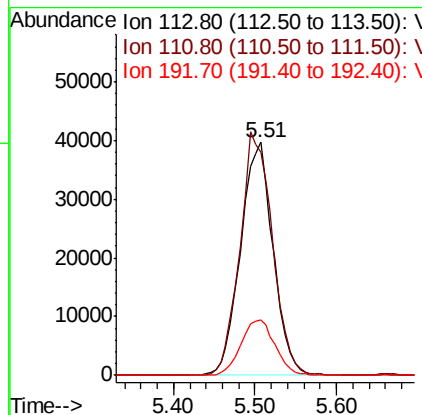
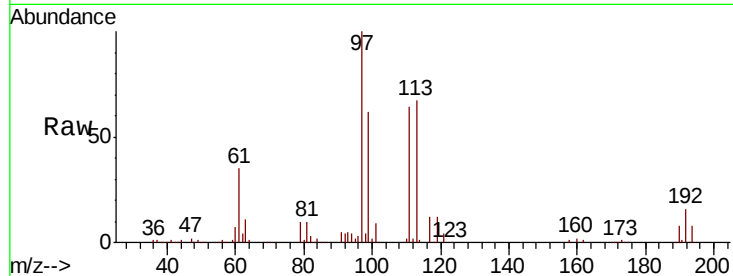
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	109897
Ion Ratio	Lower	Upper	
113	100		
111	104.2	82.4	123.6
192	24.8	19.4	29.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 45.76 ug/l

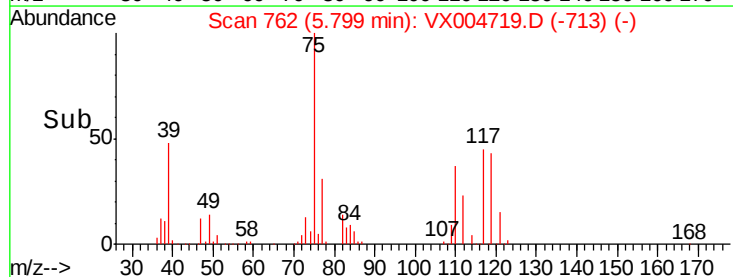
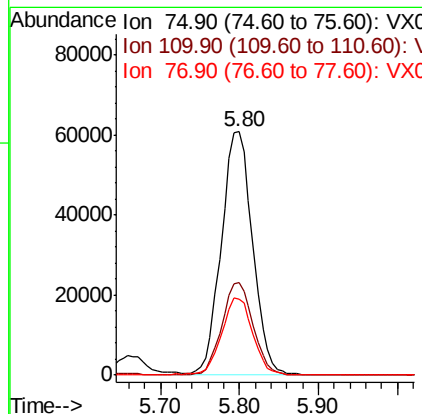
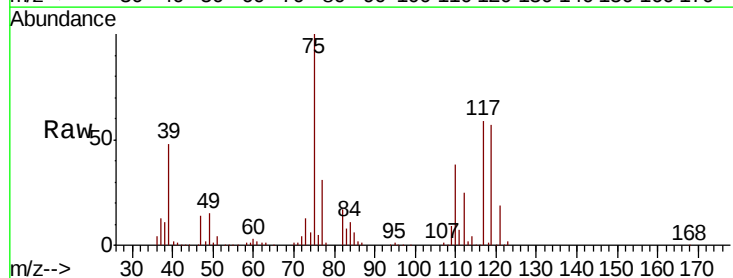
RT: 5.80 min Scan# 762

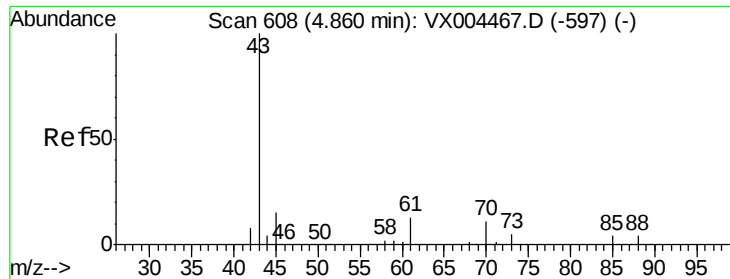
Delta R.T. -0.00 min

Lab File: VX004719.D

Acq: 19 Sep 2018 21:13

Tgt Ion:	75	Resp:	168008
Ion Ratio	Lower	Upper	
75	100		
110	37.8	18.0	54.0
77	31.5	24.6	36.8





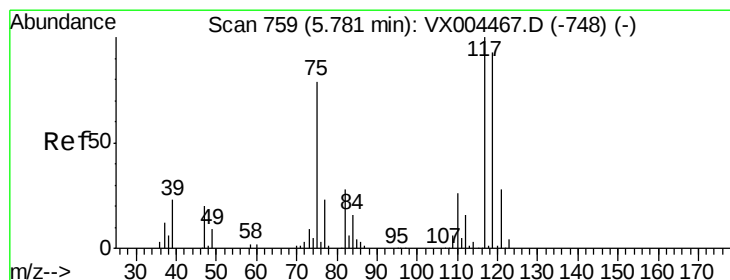
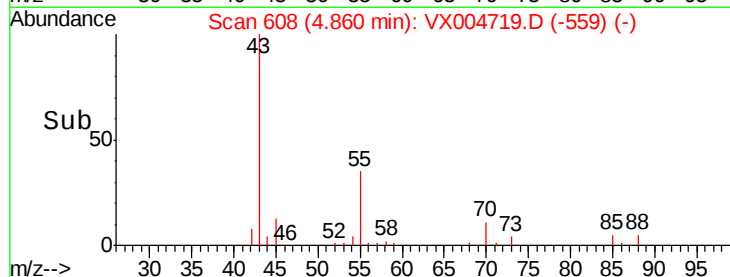
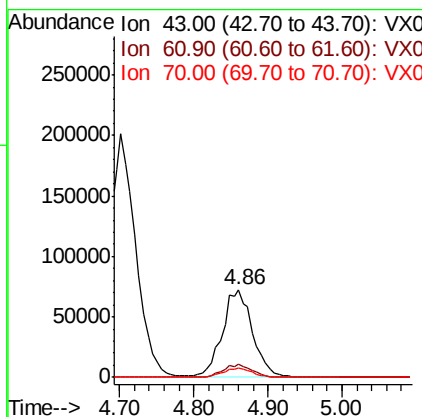
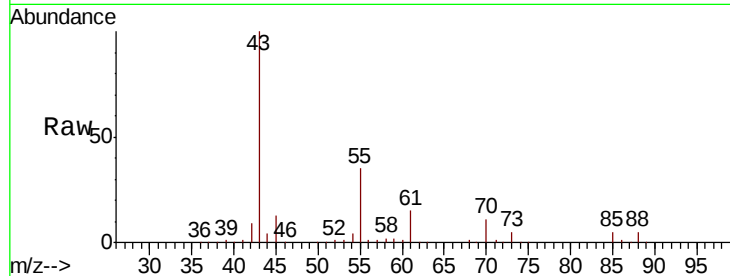
#37
Ethyl Acetate
Concen: 48.69 ug/l
RT: 4.86 min Scan# 608
Delta R.T. -0.00 min
Lab File: VX004719.D
Acq: 19 Sep 2018 21:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	203302
Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.5	17.3
70	10.8	9.0	13.6

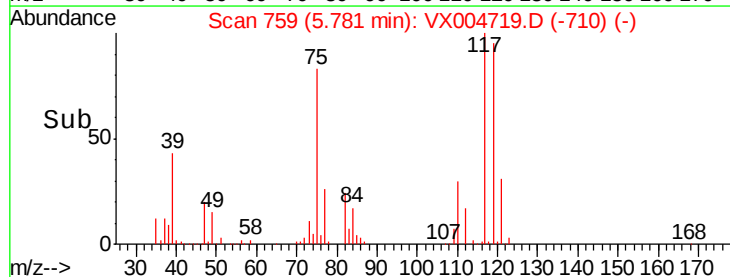
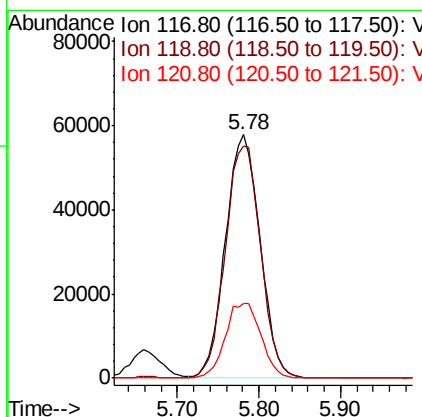
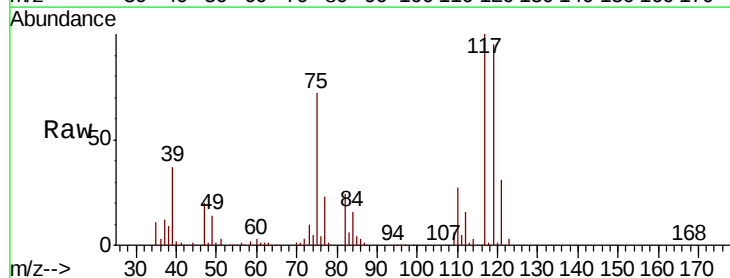
Manual Integrations
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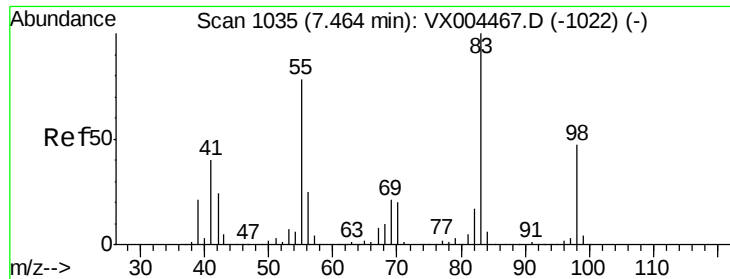
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#38
Carbon Tetrachloride
Concen: 47.43 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX004719.D
Acq: 19 Sep 2018 21:13

Tgt Ion	117	Resp	170075
Ion	Ratio	Lower	Upper
117	100		
119	95.0	78.8	118.2
121	30.8	24.9	37.3





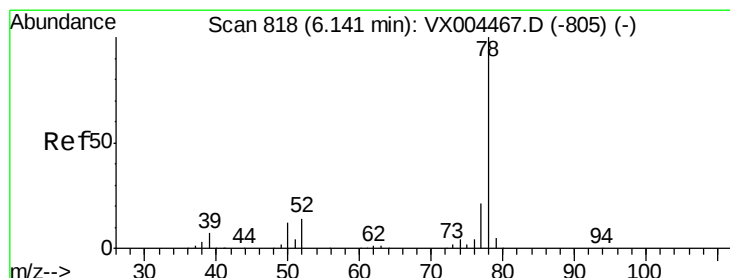
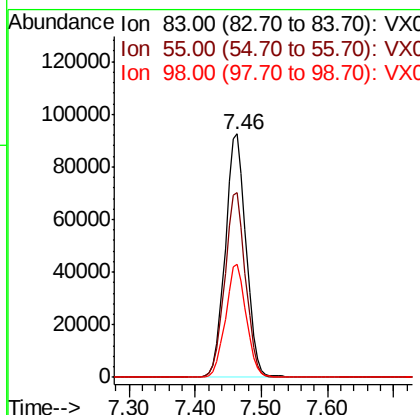
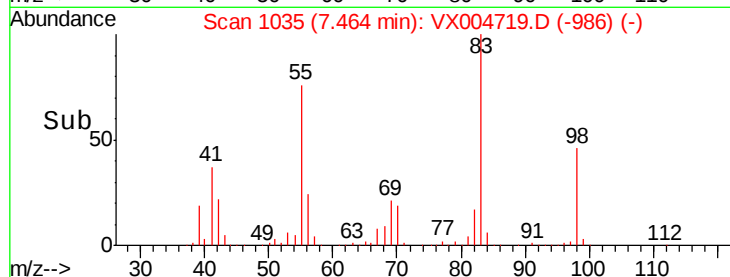
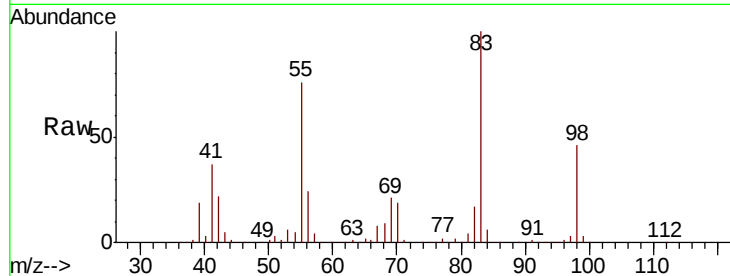
#39
Methylvlcyclohexane
Concen: 52.60 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX004719.D
Acq: 19 Sep 2018 21:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	201538		
55	75.8		61.0	91.4
98	46.3		39.6	59.4

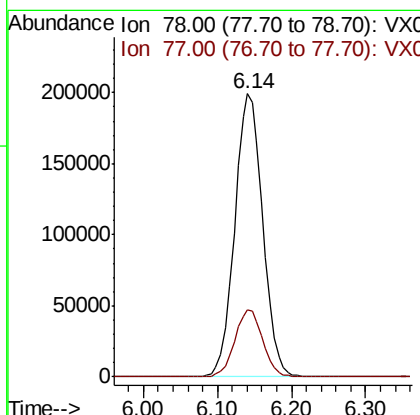
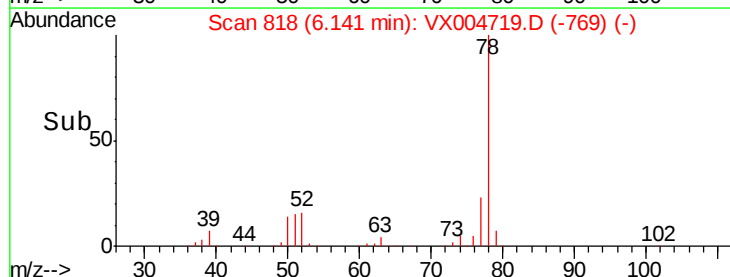
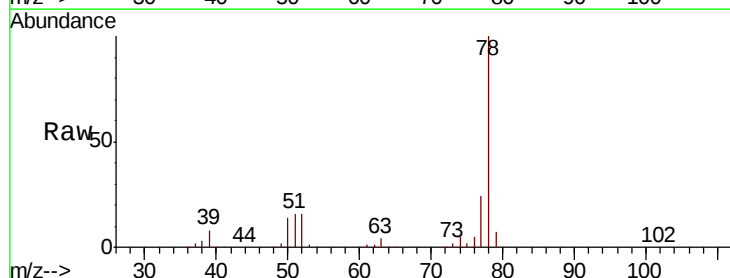
Manual Integrations
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#40
Benzene
Concen: 48.09 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004719.D
Acq: 19 Sep 2018 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	523835		
77	23.6		19.0	28.4





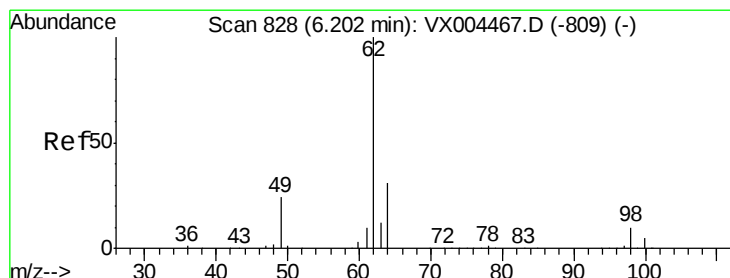
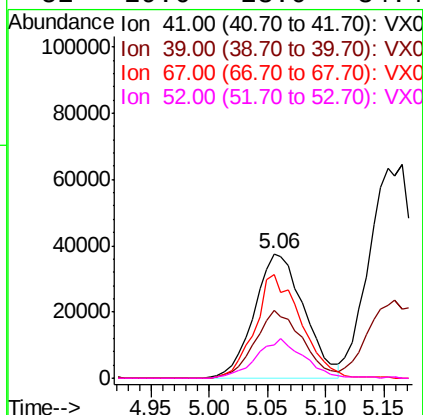
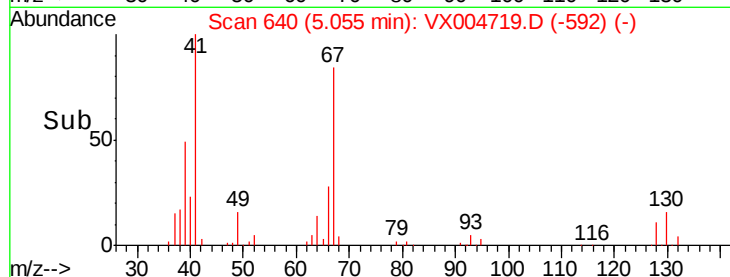
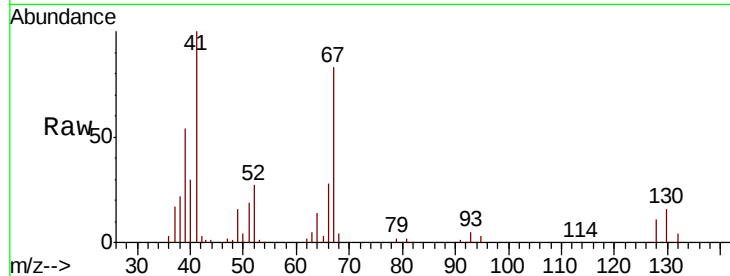
#41
Methacrylonitrile
Concen: 48.55 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX004719.D
Acq: 19 Sep 2018 21:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.1	42.4	63.6	
67	77.5	59.2	88.8	
52	29.6	23.0	34.4	

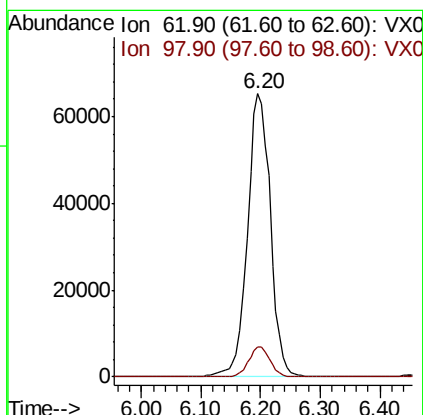
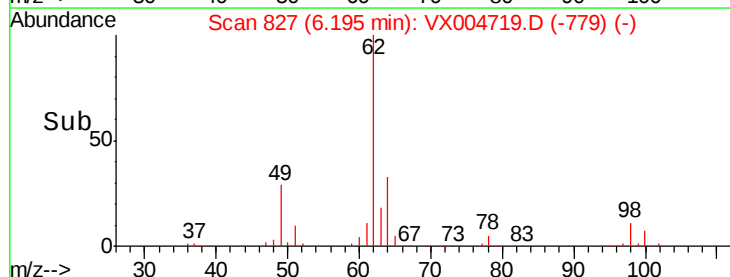
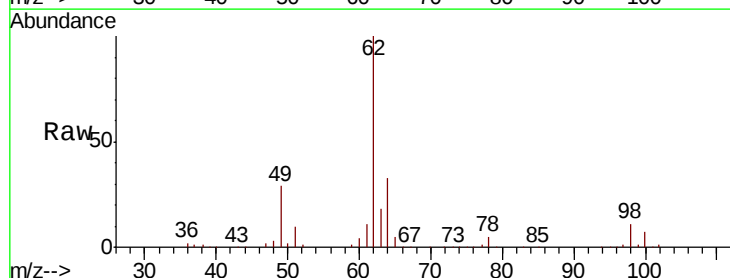
Manual Integrations
APPROVED

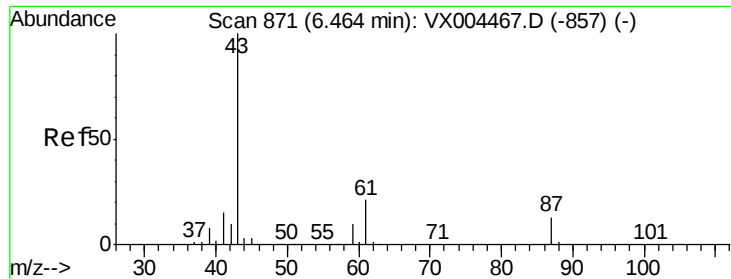
MMDadoda
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#42
1,2-Dichloroethane
Concen: 48.22 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.01 min
Lab File: VX004719.D
Acq: 19 Sep 2018 21:13

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	0.0	20.6	





#43

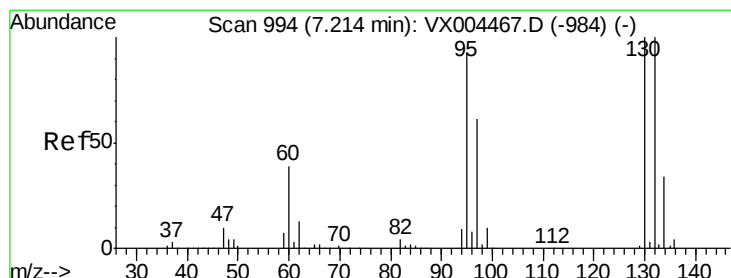
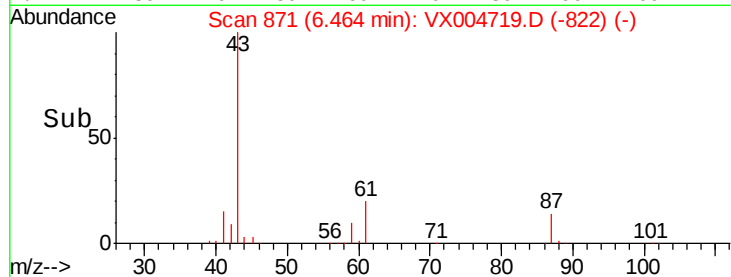
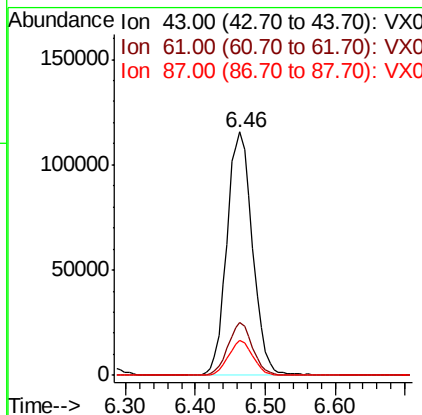
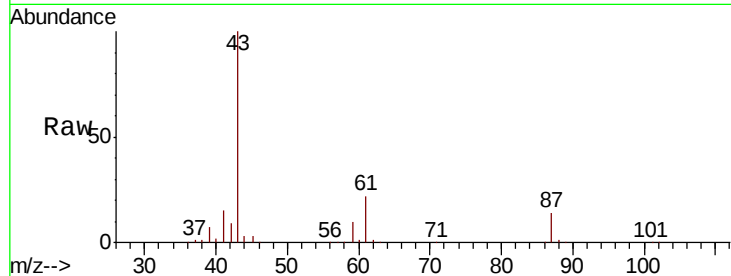
Isopropyl Acetate
 Concen: 52.90 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. -0.00 min
 Lab File: VX004719.D
 Acq: 19 Sep 2018 21:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.0	17.0	25.4
87	13.8	11.4	17.2

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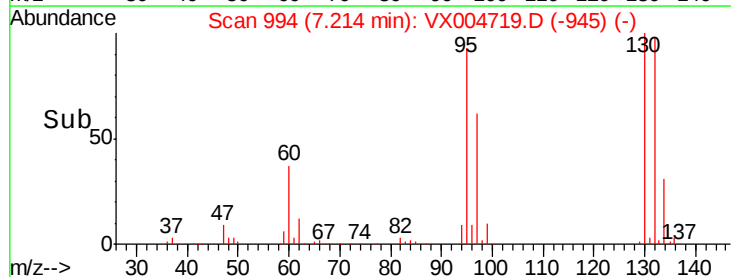
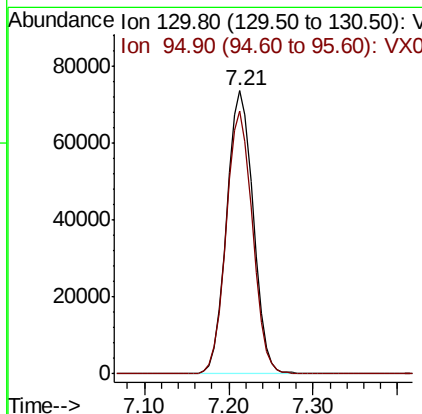
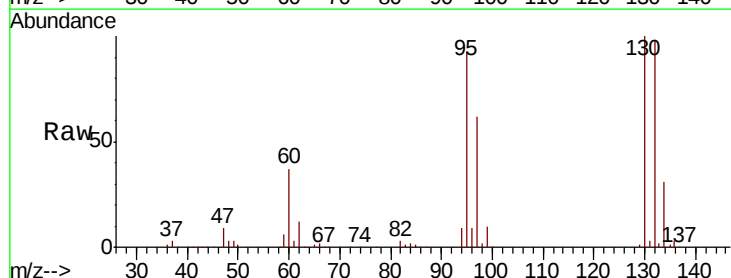
MMDadoda
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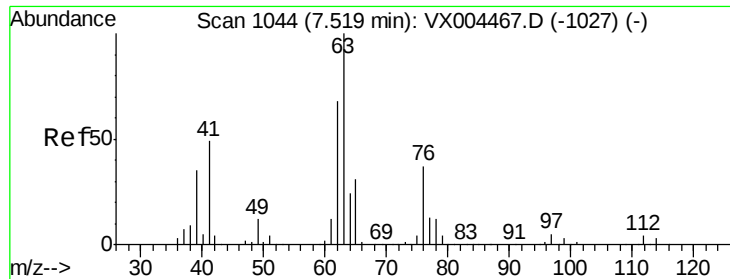


#44

Trichloroethene
 Concen: 55.44 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX004719.D
 Acq: 19 Sep 2018 21:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.9	0.0	181.6





#45

1,2-Dichloropropane

Concen: 53.20 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX004719.D

Acq: 19 Sep 2018 21:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 139438

Ion Ratio Lower Upper

63 100

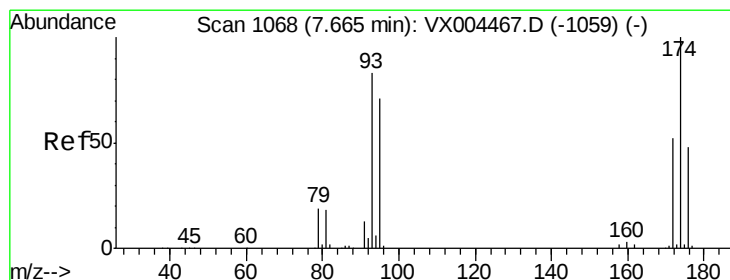
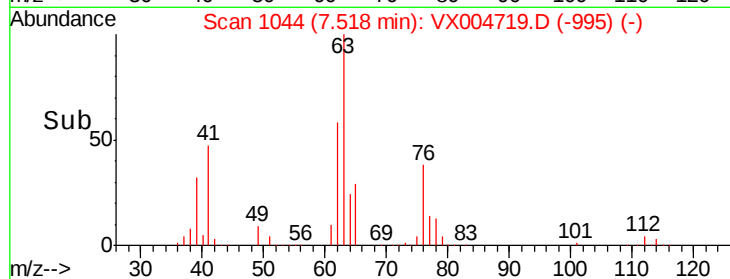
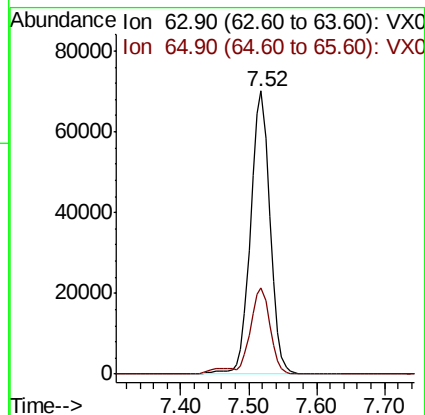
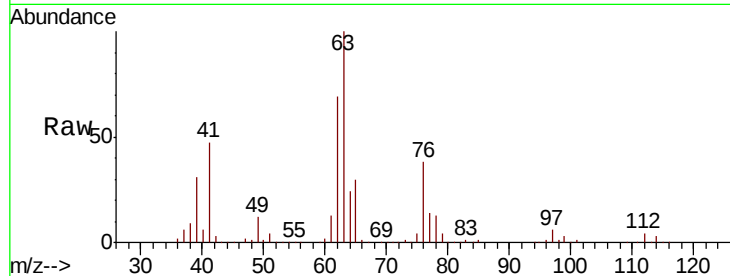
65 30.4 24.3 36.5

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#46

Dibromomethane

Concen: 53.82 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VX004719.D

Acq: 19 Sep 2018 21:13

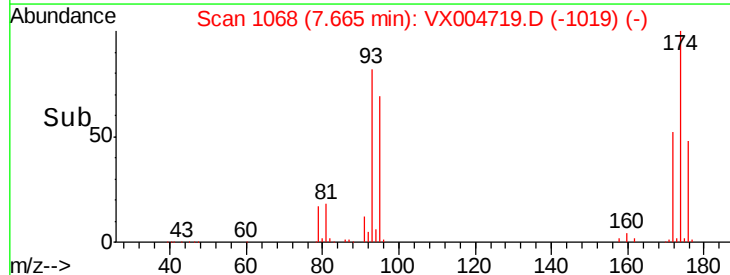
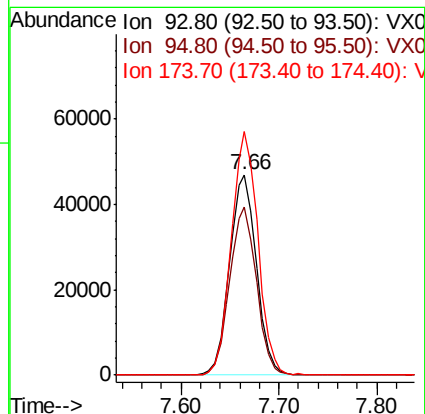
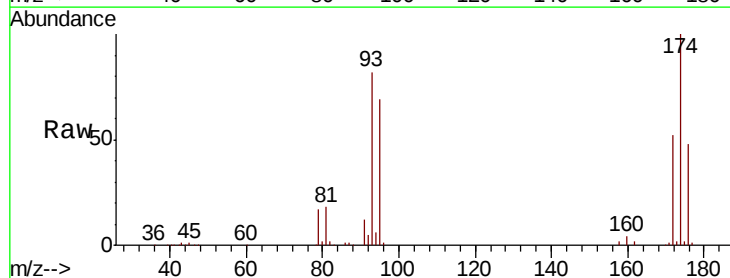
Tgt Ion: 93 Resp: 89128

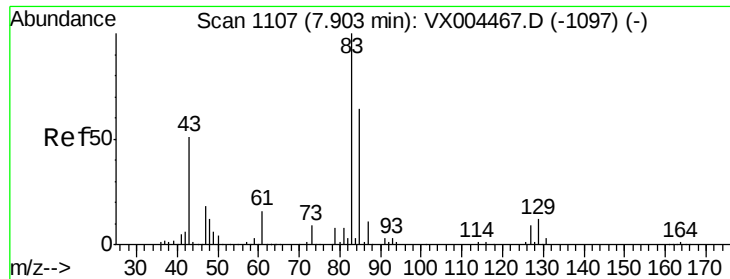
Ion Ratio Lower Upper

93 100

95 83.8 65.5 98.3

174 120.8 94.2 141.4





#47

Bromodichloromethane

Concen: 54.22 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VX004719.D

Acq: 19 Sep 2018 21:13

Instrument :

MSVOA_X

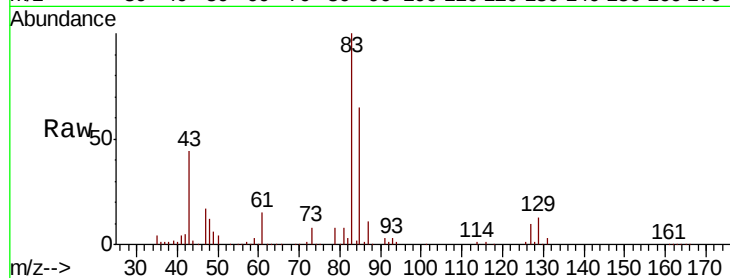
ClientSampleId :

VSTDCCC050EC

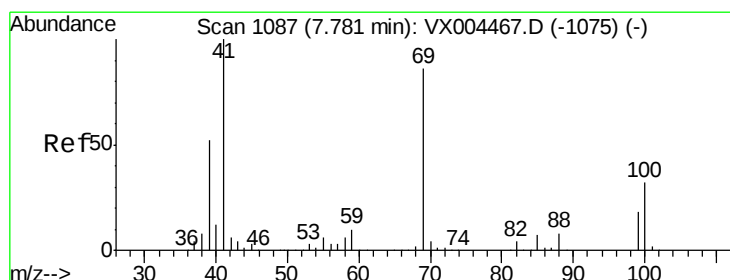
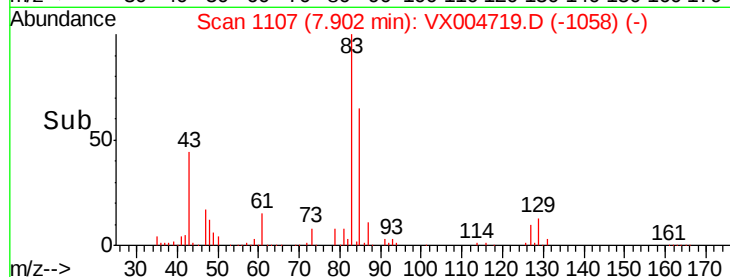
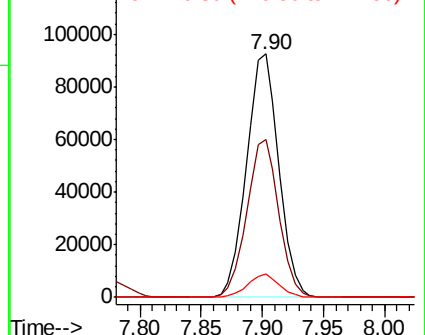
Tot Ion:	83	Resp:	169803
Ion Ratio	Lower	Upper	
83	100		
85	64.7	50.9	76.3
127	9.5	7.3	10.9

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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 54.07 ug/l

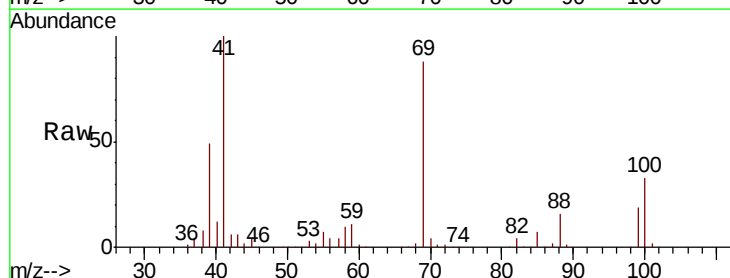
RT: 7.77 min Scan# 1086

Delta R.T. -0.01 min

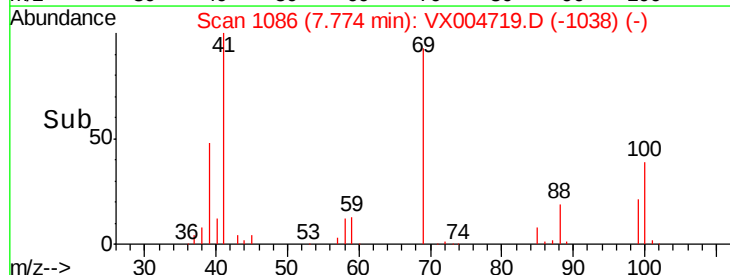
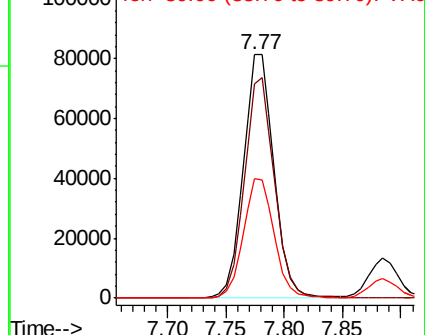
Lab File: VX004719.D

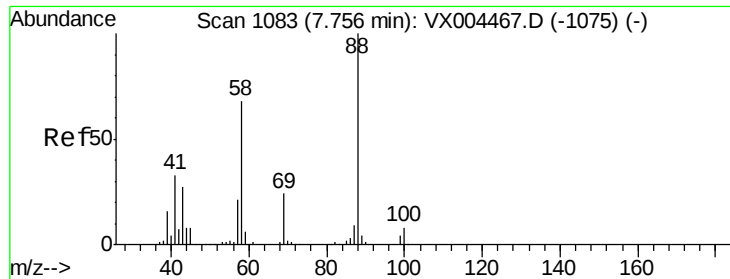
Acq: 19 Sep 2018 21:13

Tgt Ion:	41	Resp:	148406
Ion Ratio	Lower	Upper	
41	100		
69	89.1	70.2	105.4
39	49.6	42.7	64.1



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





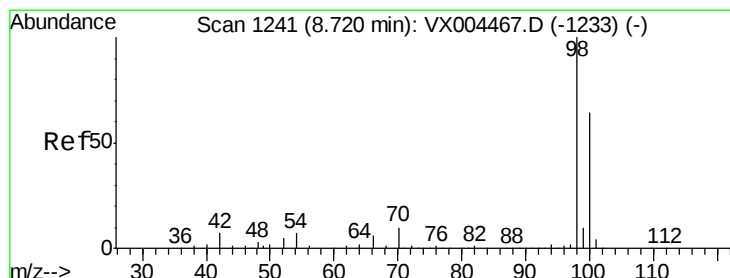
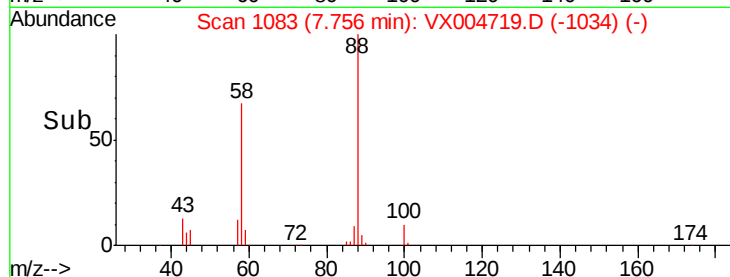
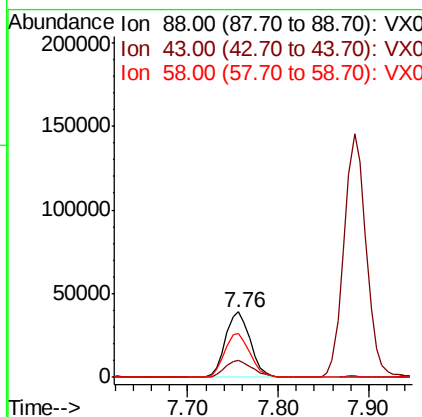
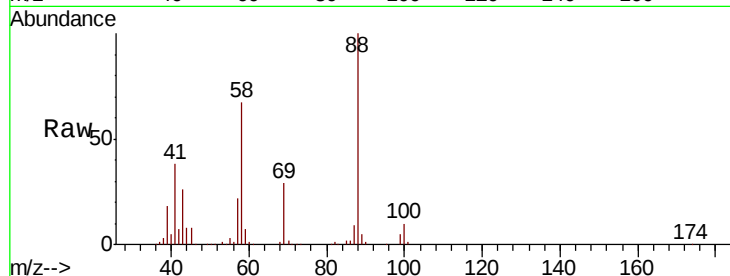
#49
1,4-Dioxane
Concen: 1156.07 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX004719.D
Acq: 19 Sep 2018 21:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.1	24.7	37.1
58	68.7	55.3	82.9

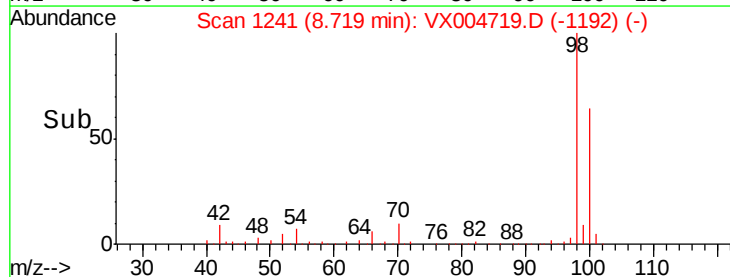
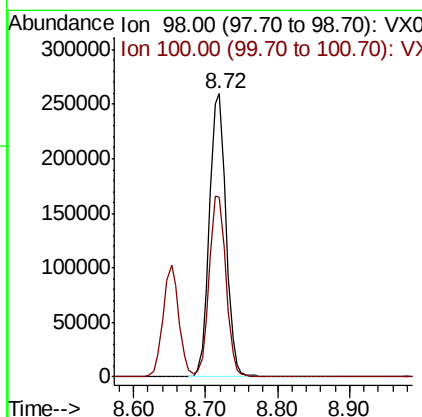
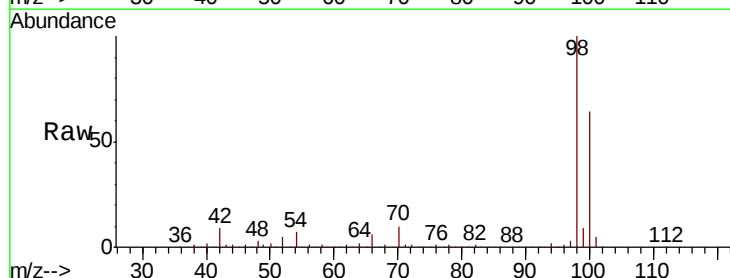
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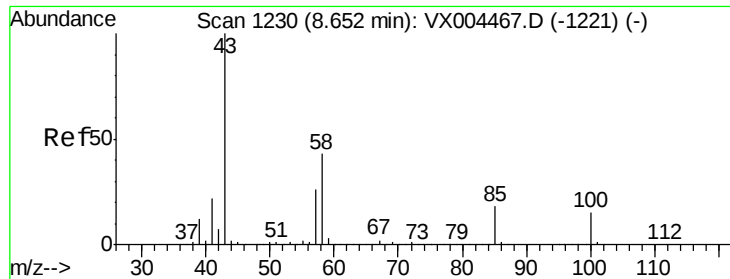
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#50
Toluene-d8
Concen: 44.37 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004719.D
Acq: 19 Sep 2018 21:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.9	79.3





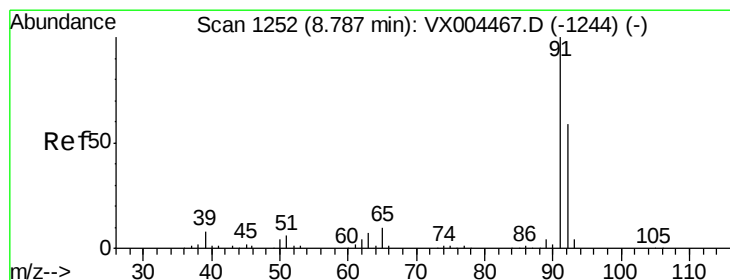
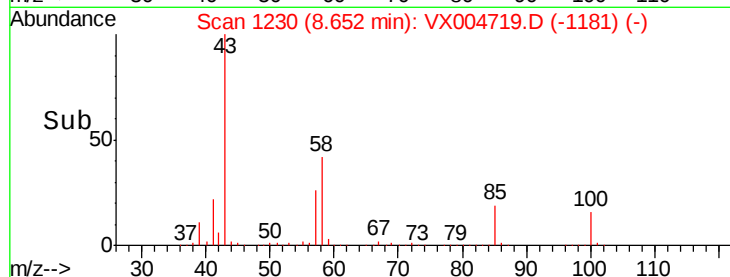
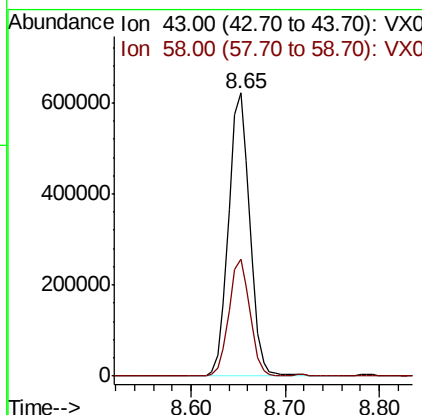
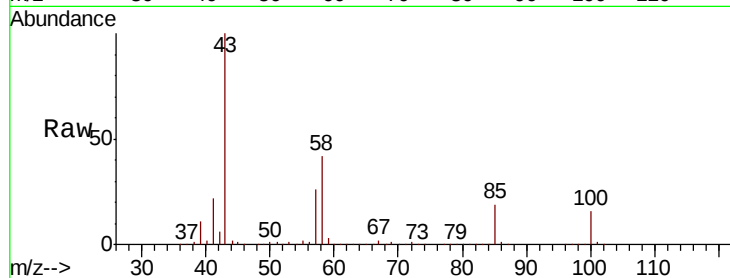
#51
4-Methyl-2-Pentanone
Concen: 248.84 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VX004719.D
Acq: 19 Sep 2018 21:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	58	Ratio	Lower	Upper	Resp
43	100					973936
58	40.9		33.1	49.7		

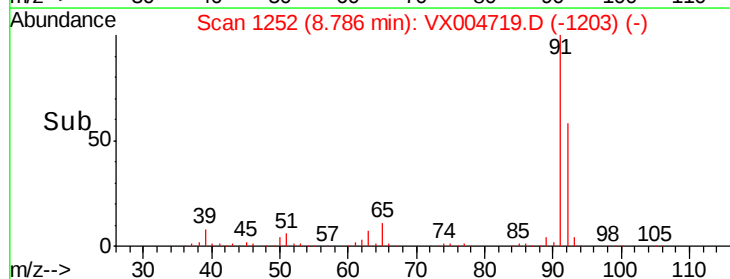
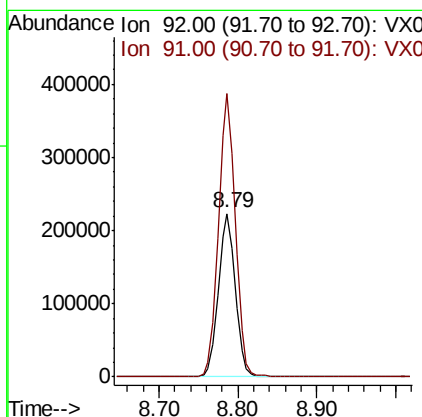
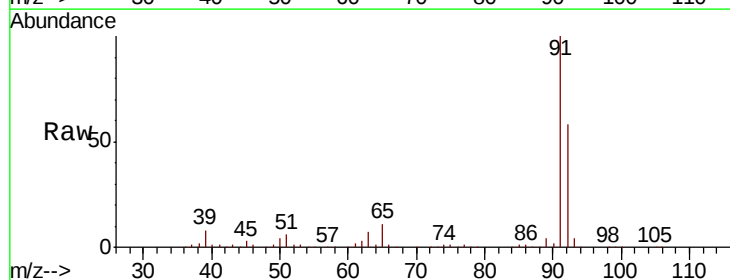
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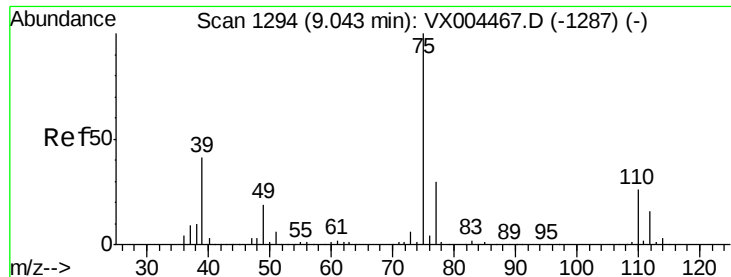
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#52
Toluene
Concen: 51.87 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX004719.D
Acq: 19 Sep 2018 21:13

Tgt Ion	92	91	Ratio	Lower	Upper	Resp
92	100					332880
91	174.0		136.4	204.6		





#53

t-1,3-Dichloropropene

Concen: 50.95 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX004719.D

Acq: 19 Sep 2018 21:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 186397

Ion Ratio Lower Upper

75 100

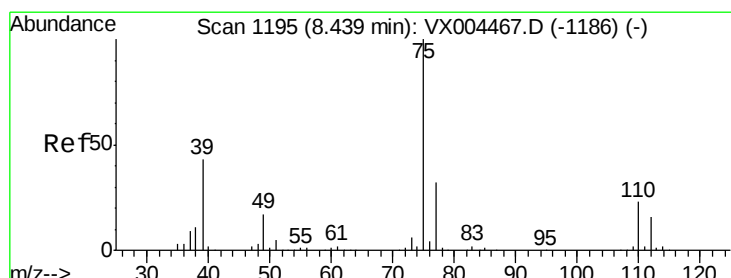
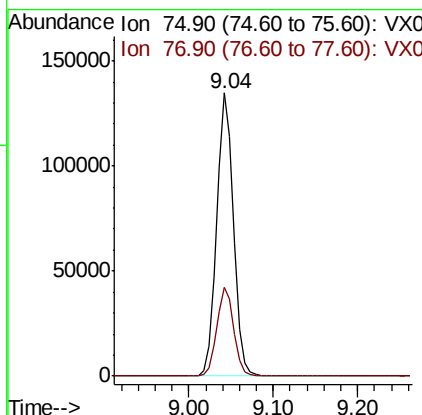
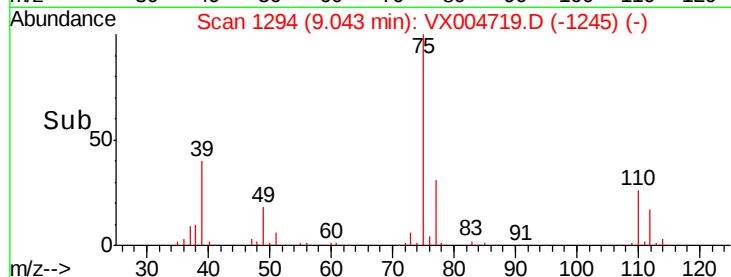
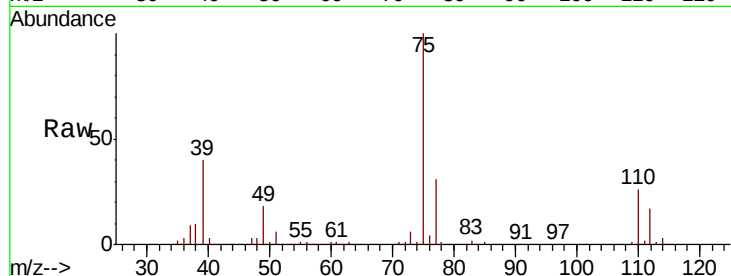
77 31.4 24.6 37.0

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#54

cis-1,3-Dichloropropene

Concen: 55.30 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. -0.00 min

Lab File: VX004719.D

Acq: 19 Sep 2018 21:13

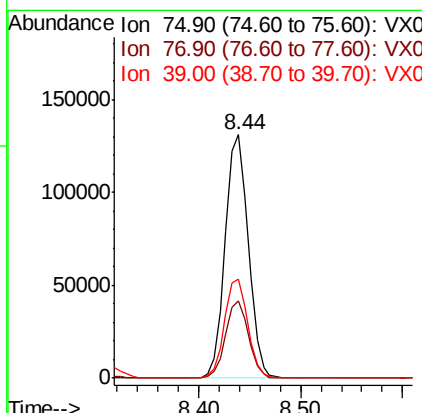
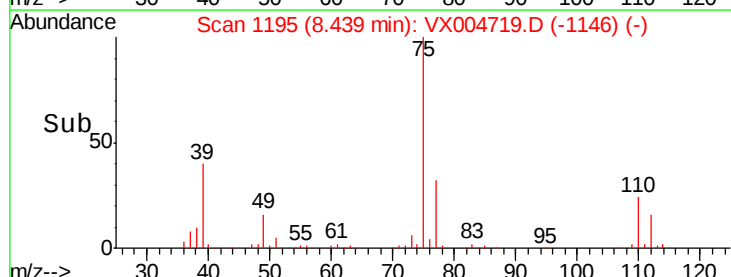
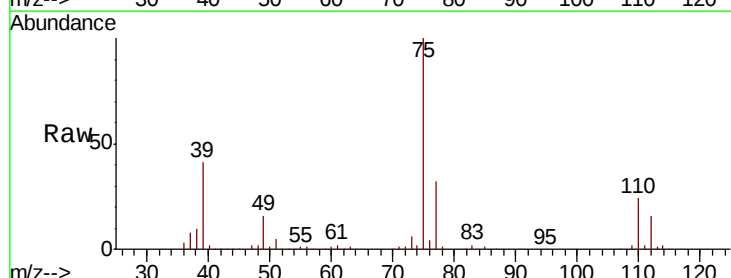
Tgt Ion: 75 Resp: 206234

Ion Ratio Lower Upper

75 100

77 31.6 26.2 39.2

39 40.4 36.4 54.6





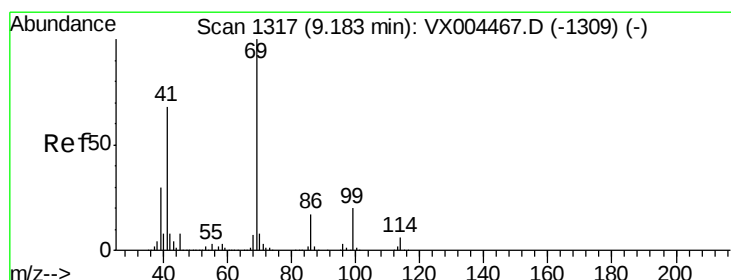
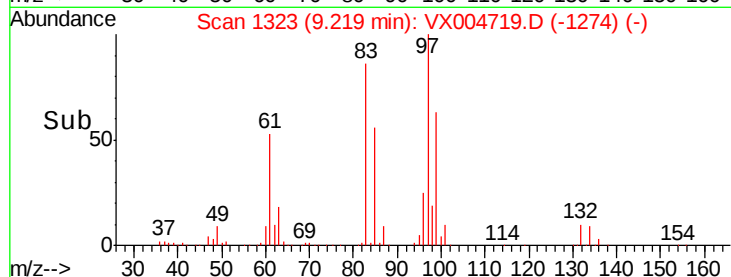
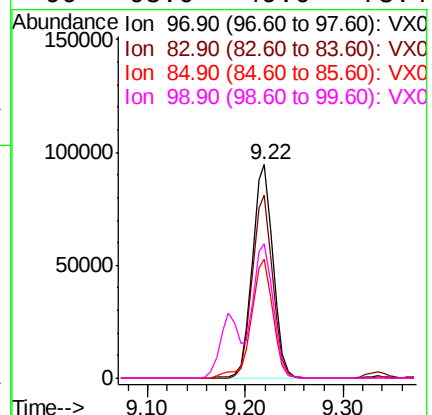
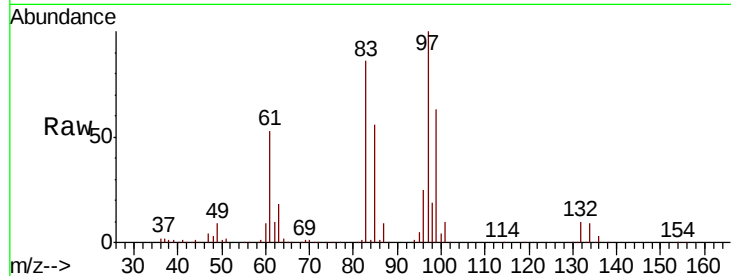
#55
 1,1,2-Trichloroethane
 Concen: 50.22 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX004719.D
 Acq: 19 Sep 2018 21:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
97	100	138776		
83	85.6	66.4	99.6	
85	55.8	43.3	64.9	
99	63.0	49.0	73.4	

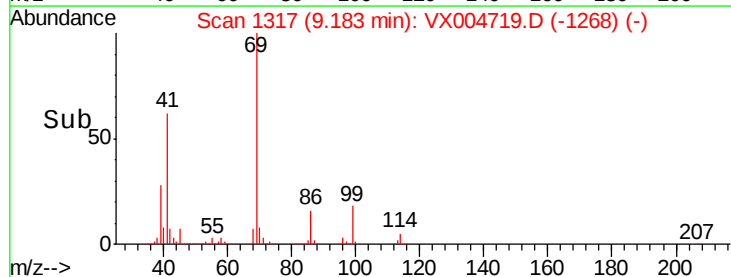
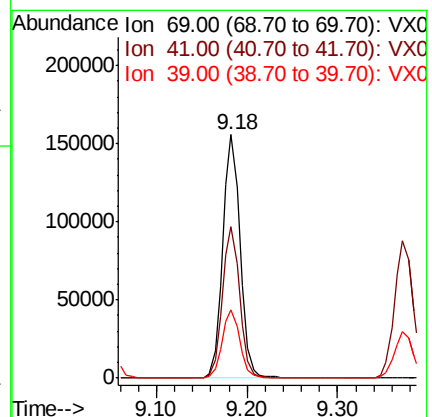
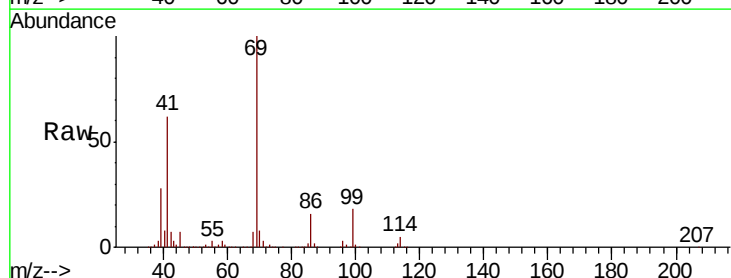
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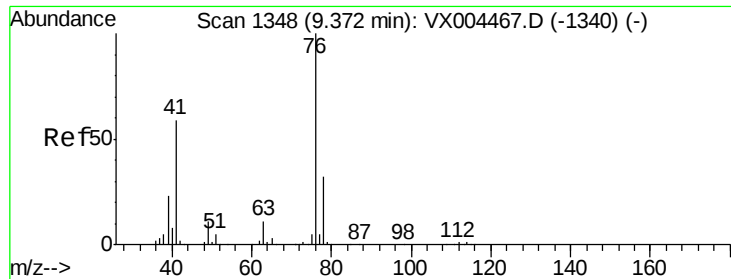
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#56
 Ethyl methacrylate
 Concen: 53.52 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX004719.D
 Acq: 19 Sep 2018 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	209245		
41	62.0	51.0	76.4	
39	28.5	26.1	39.1	





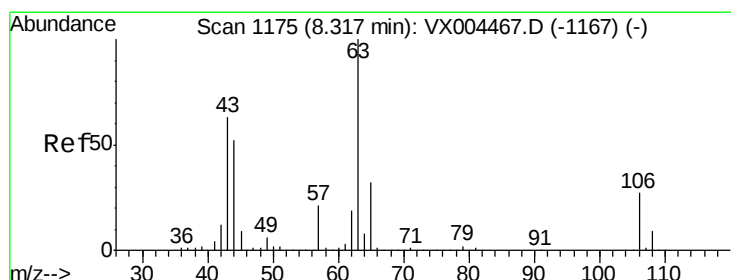
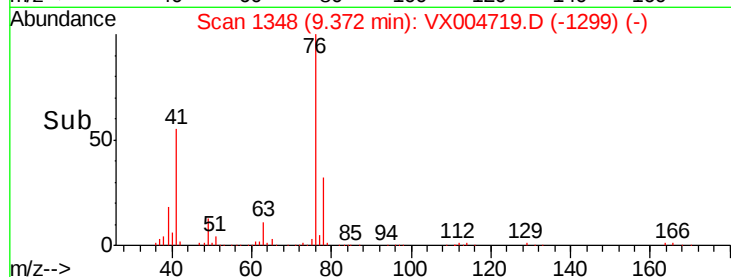
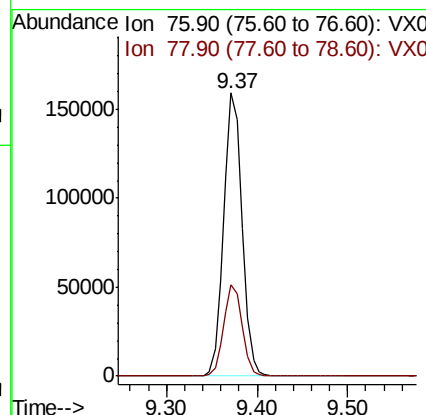
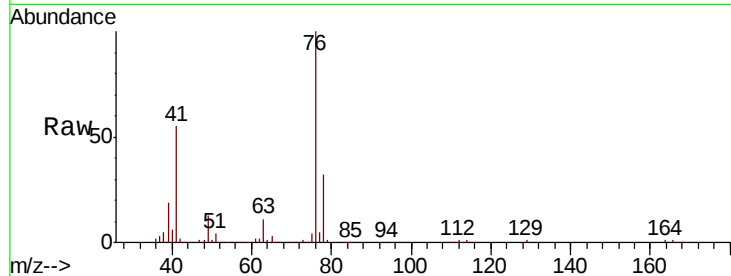
#57
 1,3-Dichloropropane
 Concen: 50.35 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX004719.D
 Acq: 19 Sep 2018 21:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.5	38.3

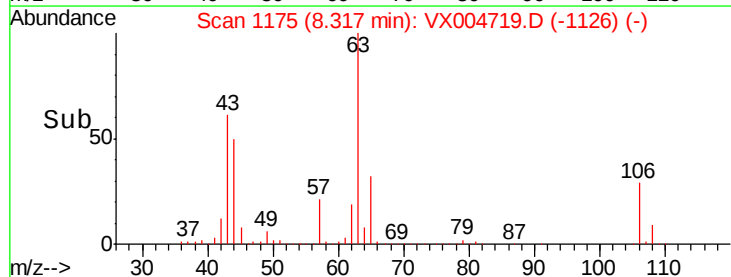
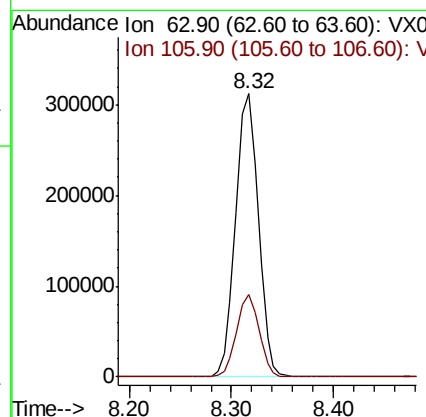
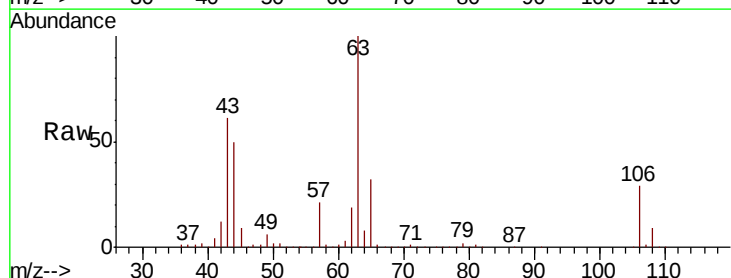
Manual Integrations
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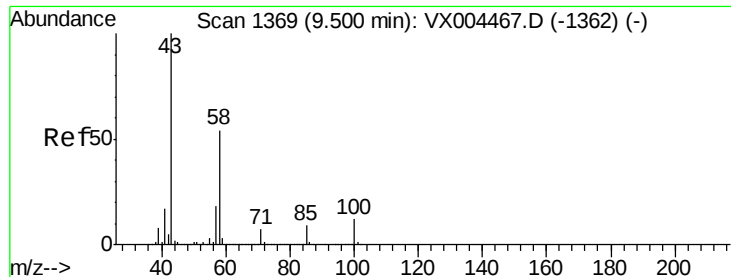
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#58
 2-Chloroethyl Vinyl ether
 Concen: 242.45 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VX004719.D
 Acq: 19 Sep 2018 21:13

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.6	23.9	35.9





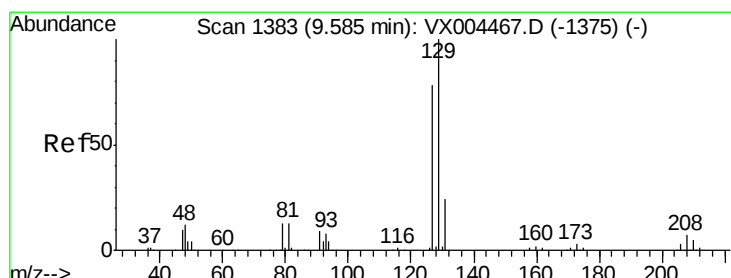
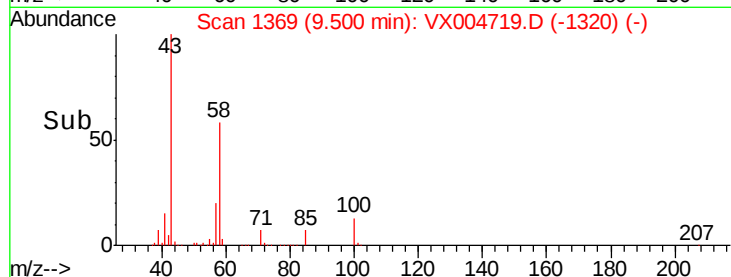
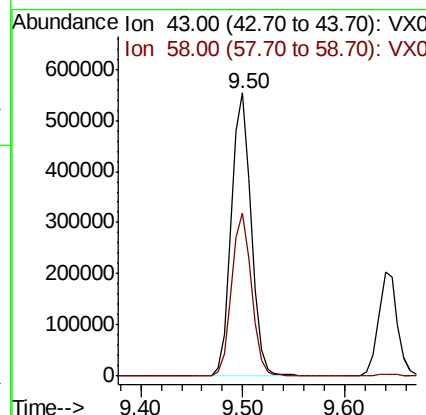
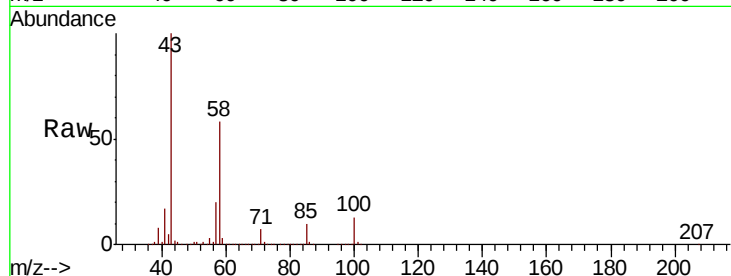
#59
2-Hexanone
Concen: 246.88 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX004719.D
Acq: 19 Sep 2018 21:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 741175
Ion Ratio Lower Upper
43 100
58 57.8 29.0 87.0

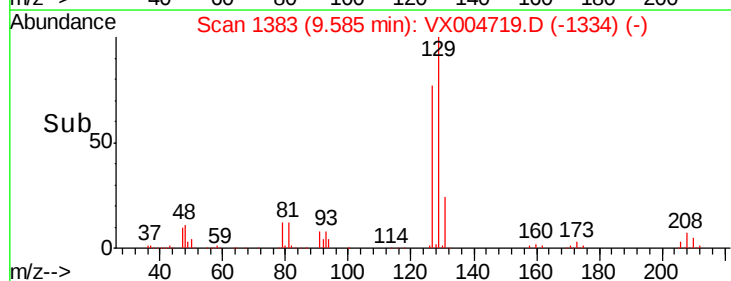
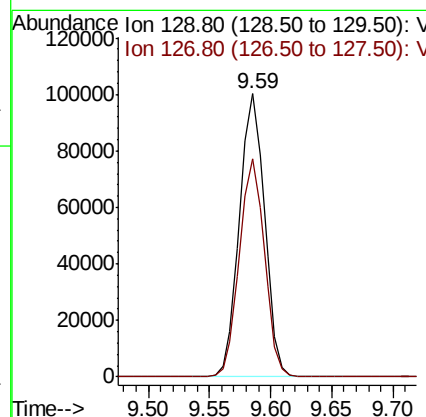
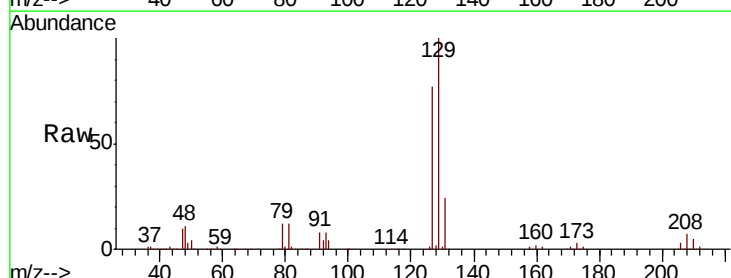
Manual Integrations
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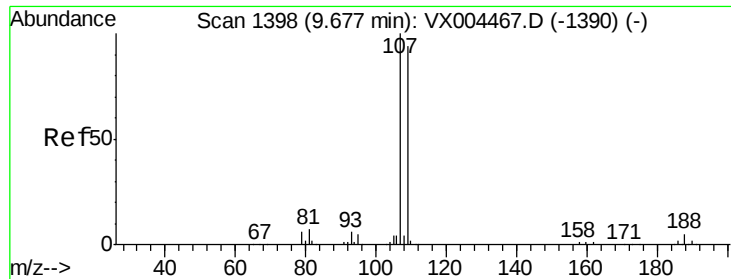
MMDadoda
9/20/2018 1:42:37 PM



#60
Dibromochloromethane
Concen: 54.73 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004719.D
Acq: 19 Sep 2018 21:13

Tgt Ion: 129 Resp: 142389
Ion Ratio Lower Upper
129 100
127 76.8 38.5 115.5





#61

1,2-Dibromoethane

Concen: 53.79 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. -0.00 min

Lab File: VX004719.D

Acq: 19 Sep 2018 21:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 141992

Ion Ratio Lower Upper

107 100

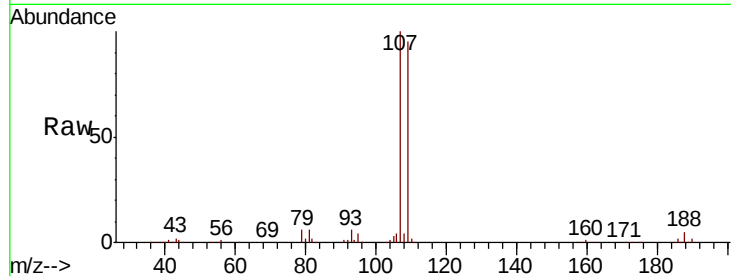
109 95.0 76.0 114.0

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

100000

80000

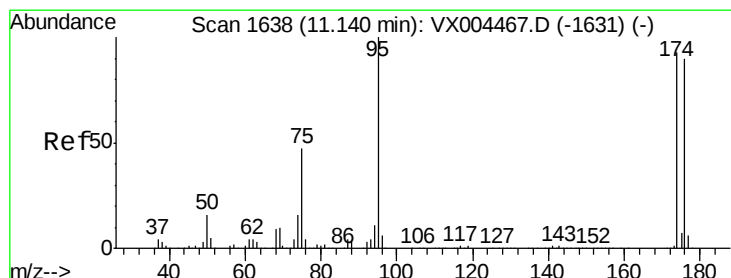
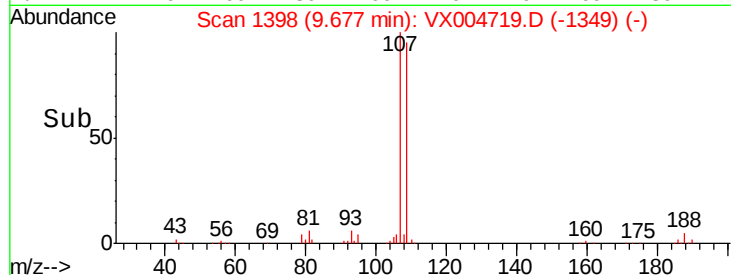
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.27 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004719.D

Acq: 19 Sep 2018 21:13

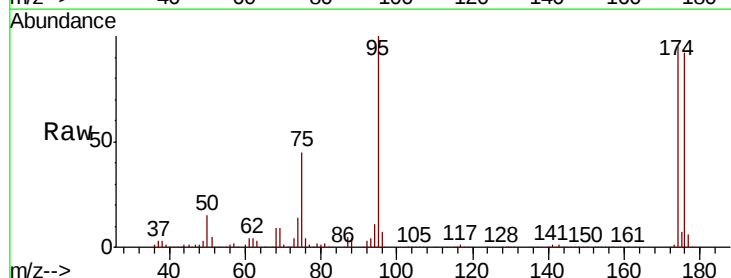
Tgt Ion: 95 Resp: 153280

Ion Ratio Lower Upper

95 100

174 94.6 0.0 185.2

176 92.2 0.0 178.6



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

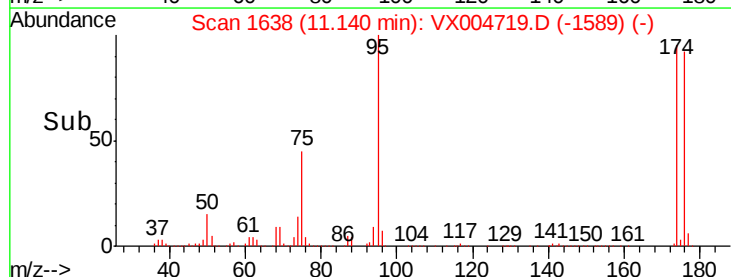
150000

100000

50000

0

Time-->





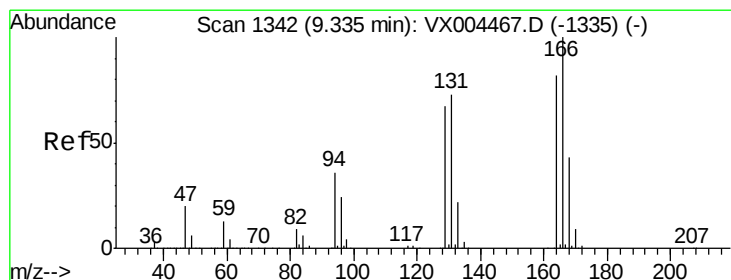
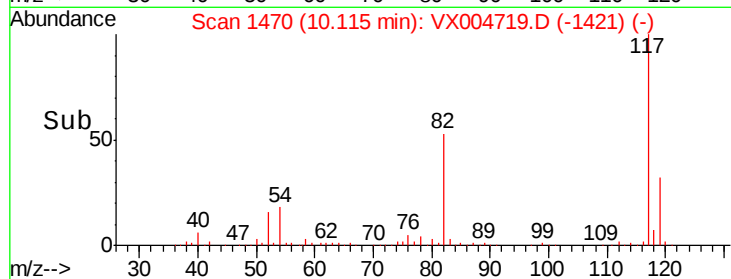
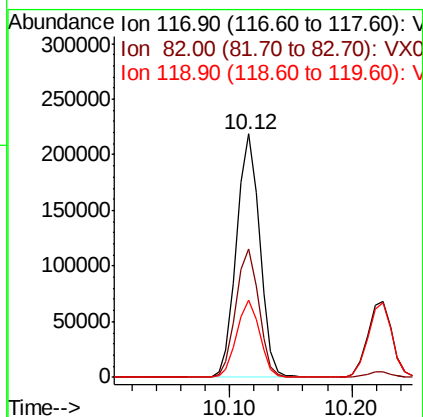
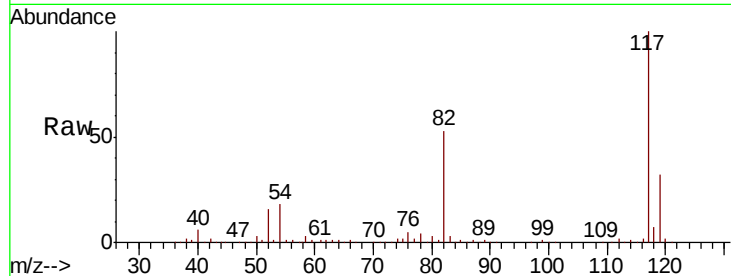
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004719.D
Acq: 19 Sep 2018 21:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	47.8	71.6
119	32.0	29.3	43.9

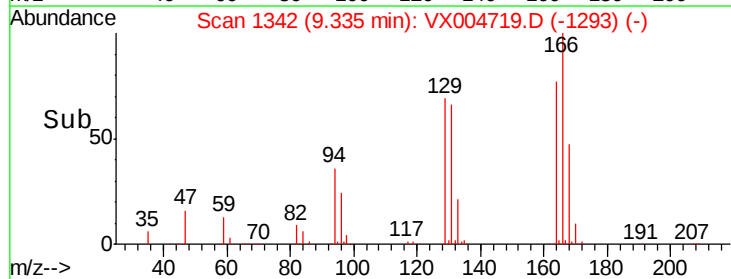
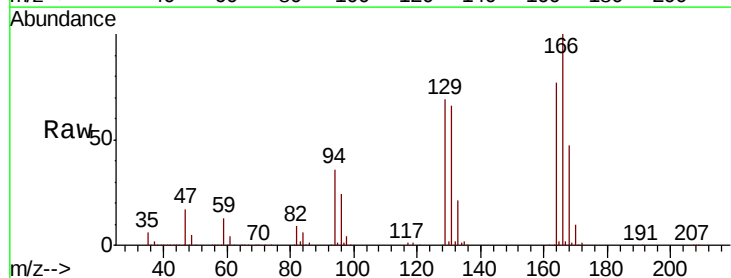
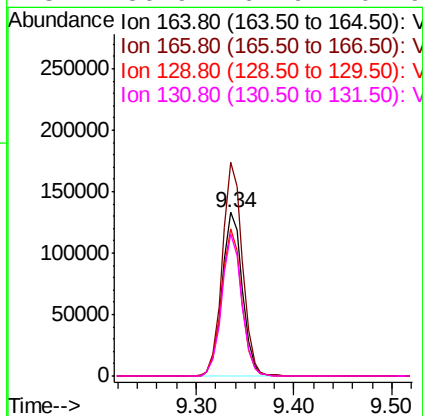
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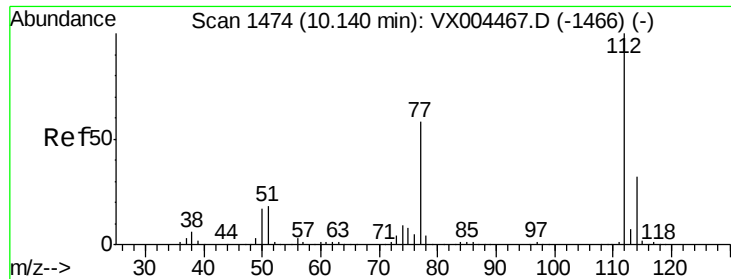
MMDadoda
9/20/2018 1:42:37 PM



#64
Tetrachloroethene
Concen: 53.54 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004719.D
Acq: 19 Sep 2018 21:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.7	102.8	154.2
129	90.2	69.4	104.0
131	86.9	67.9	101.9





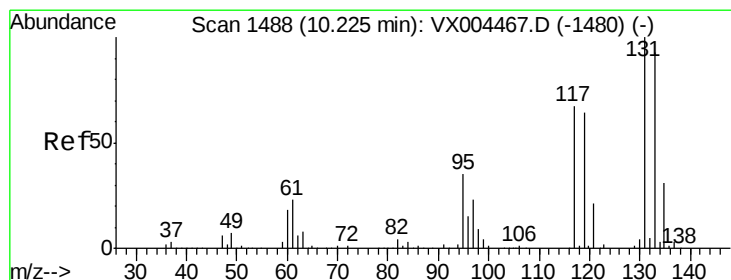
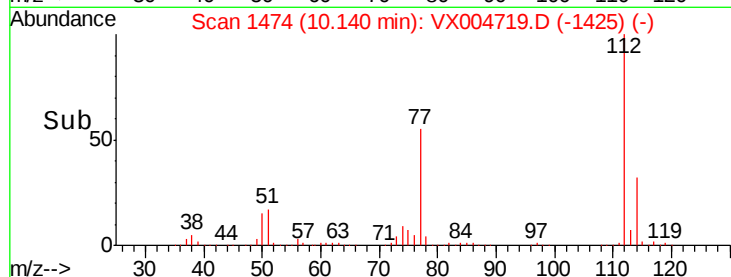
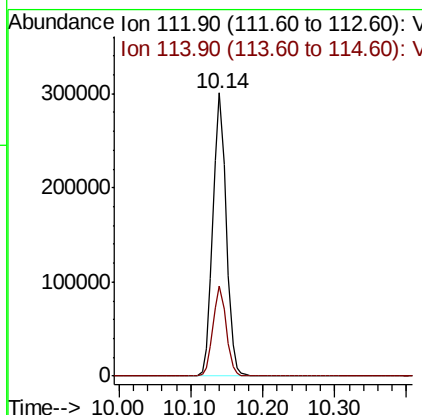
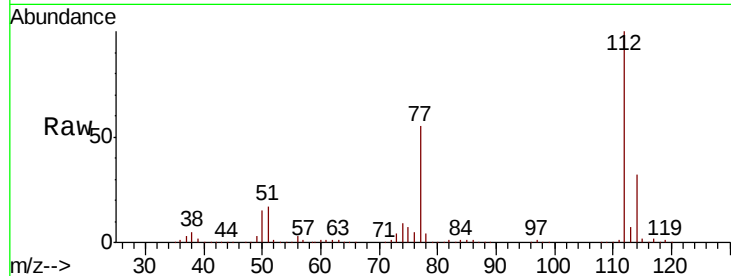
#65
Chlorobenzene
Concen: 54.00 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX004719.D
Acq: 19 Sep 2018 21:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 384172
Ion Ratio Lower Upper
112 100
114 32.0 27.8 41.8

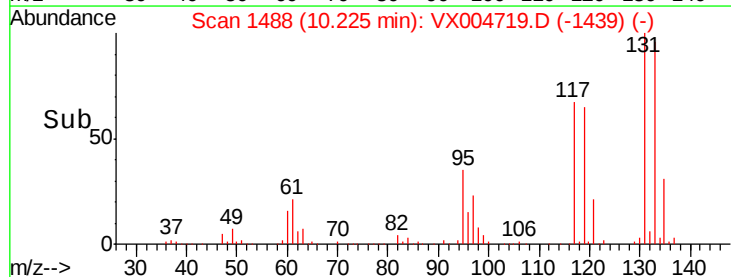
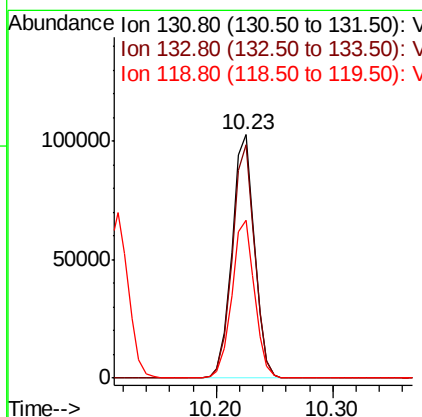
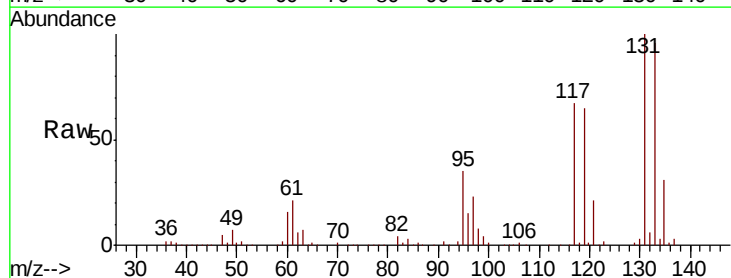
Manual Integrations
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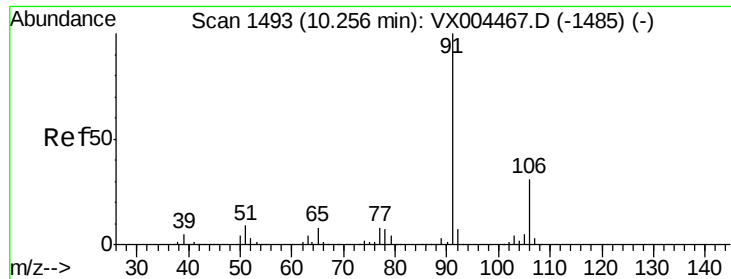
MMDadoda
9/20/2018 1:42:37 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 56.28 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VX004719.D
Acq: 19 Sep 2018 21:13

Tgt Ion:131 Resp: 138088
Ion Ratio Lower Upper
131 100
133 95.3 48.1 144.4
119 65.4 32.9 98.6





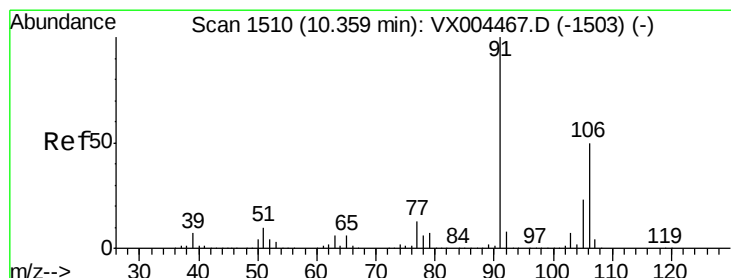
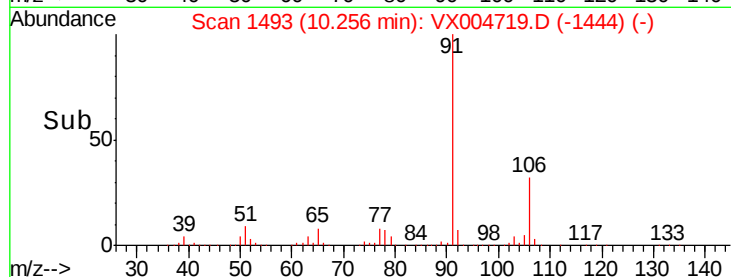
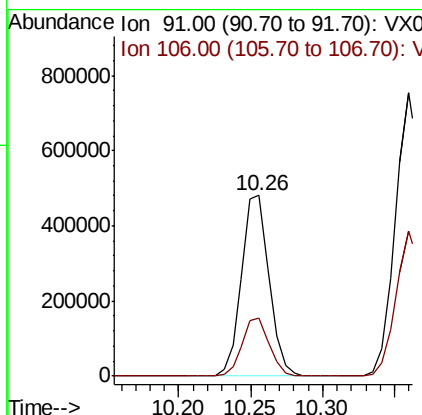
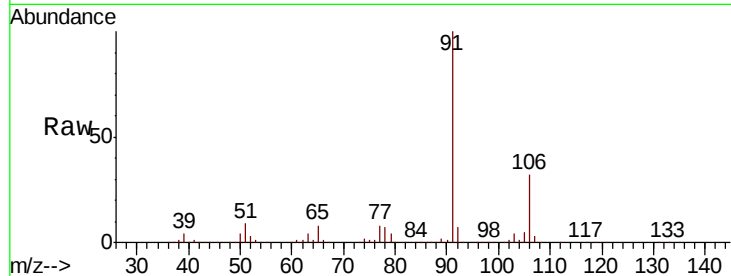
#67
Ethyl Benzene
Concen: 55.27 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VX004719.D
Acq: 19 Sep 2018 21:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 639463
Ion Ratio Lower Upper
91 100
106 32.1 25.9 38.9

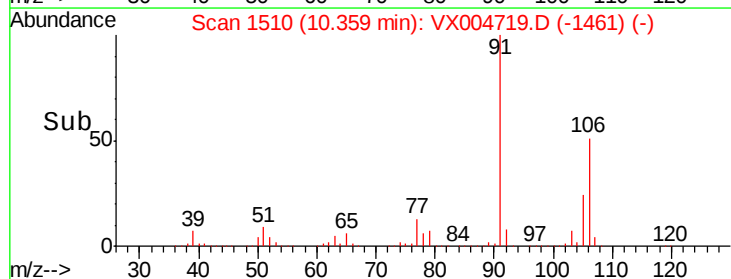
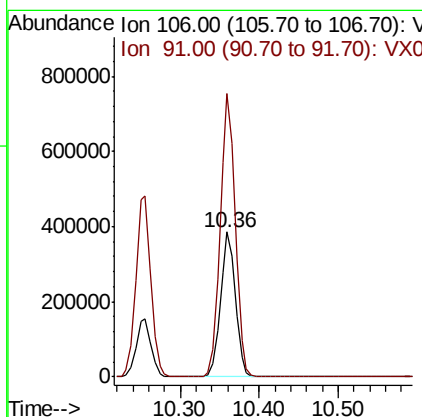
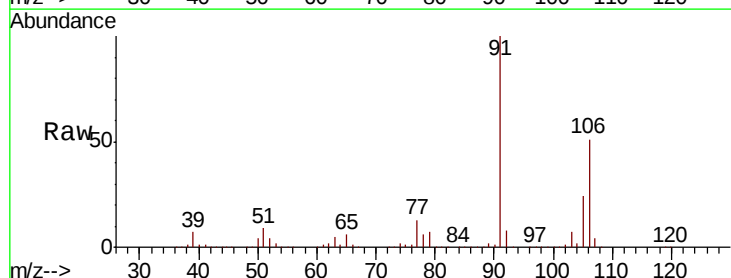
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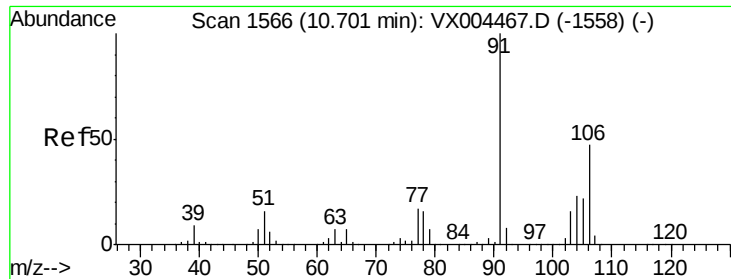
MMDadoda
9/20/2018 1:42:37 PM



#68
m/p-Xylenes
Concen: 113.35 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX004719.D
Acq: 19 Sep 2018 21:13

Tgt Ion: 106 Resp: 505114
Ion Ratio Lower Upper
106 100
91 198.1 157.1 235.7





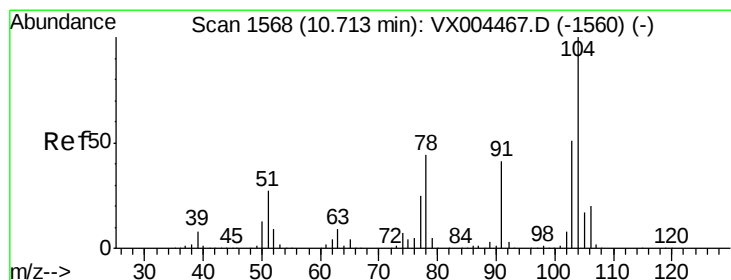
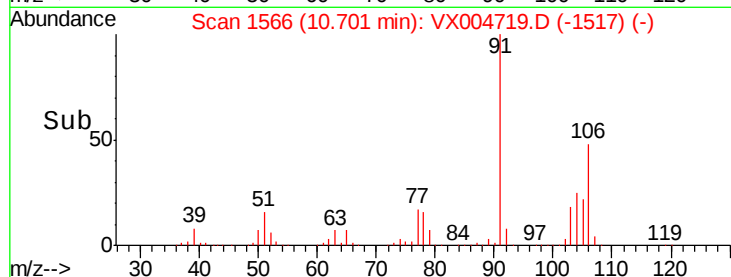
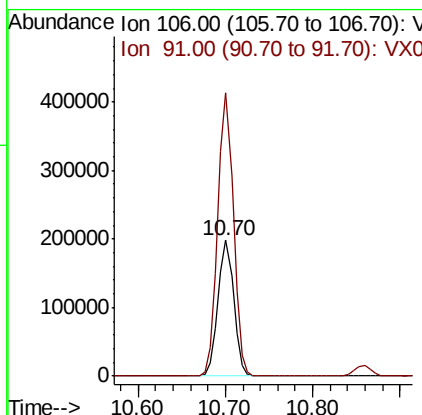
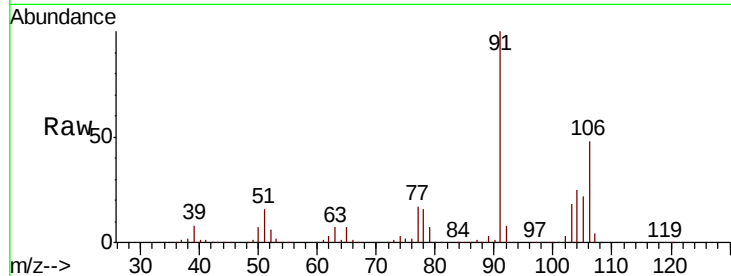
#69
o-Xylene
Concen: 57.47 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004719.D
Acq: 19 Sep 2018 21:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.2	105.1	315.1

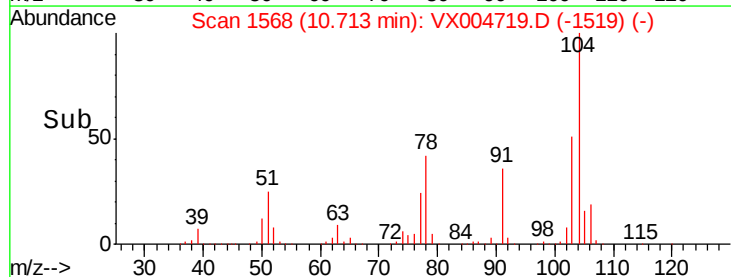
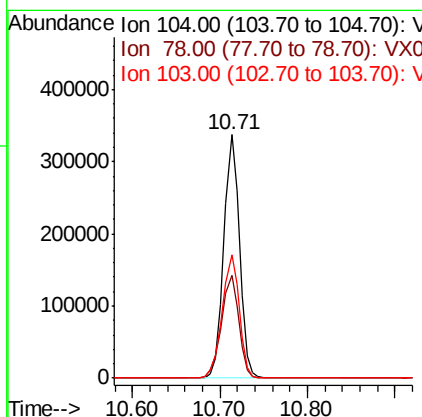
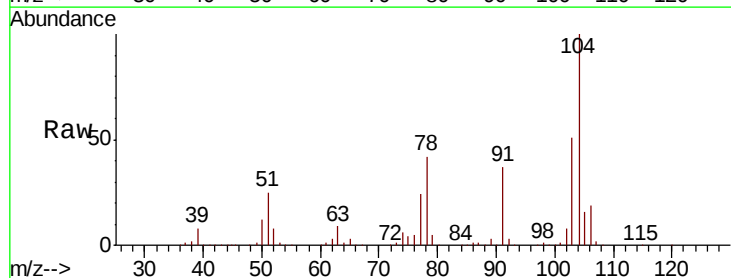
Manual Integrations
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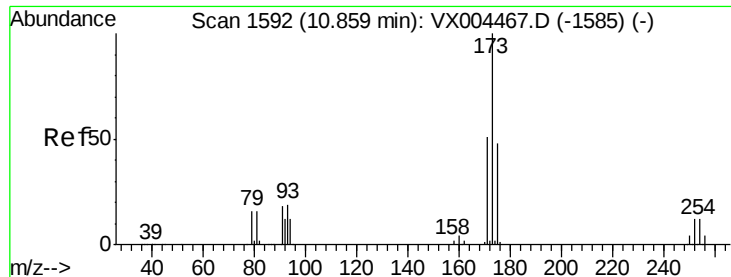
MMDadoda
9/20/2018 1:42:37 PM



#70
Styrene
Concen: 58.58 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004719.D
Acq: 19 Sep 2018 21:13

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.9	37.4	56.0
103	55.2	43.8	65.6





#71

Bromoform

Concen: 57.02 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX004719.D

Acq: 19 Sep 2018 21:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 114872

Ion Ratio Lower Upper

173 100

175 49.0 24.1 72.3

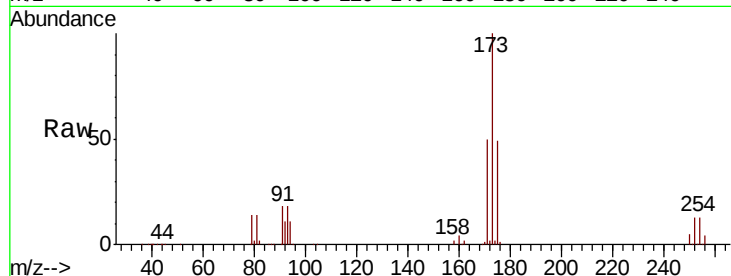
254 0.2 0.2 0.2

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

120000

100000

80000

60000

40000

20000

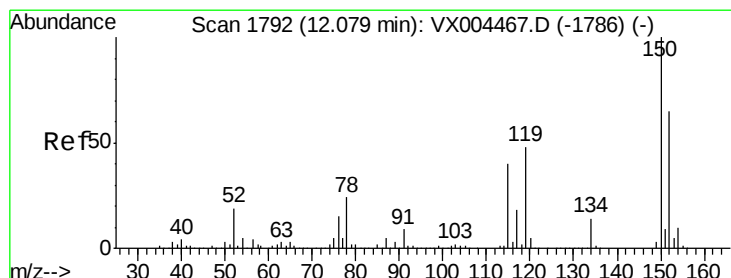
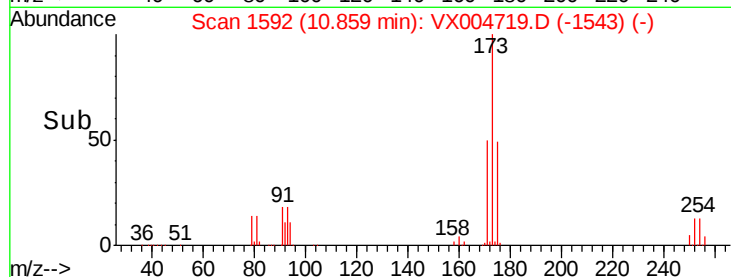
0

10.86

10.80

10.90

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004719.D

Acq: 19 Sep 2018 21:13

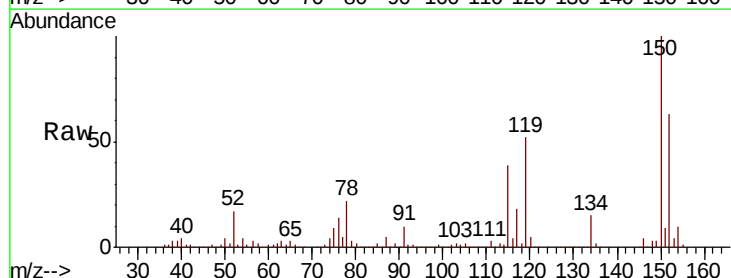
Tgt Ion:152 Resp: 177116

Ion Ratio Lower Upper

152 100

115 79.1 39.0 117.0

150 175.3 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

300000

250000

200000

150000

100000

50000

0

12.08

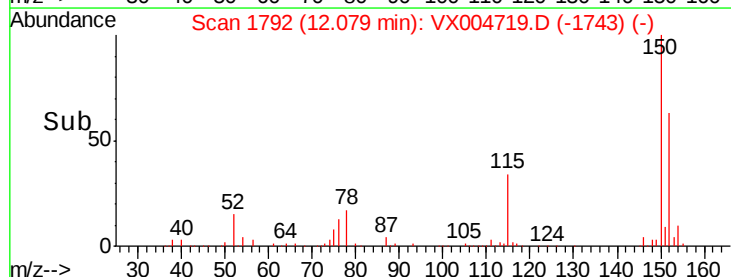
12.00

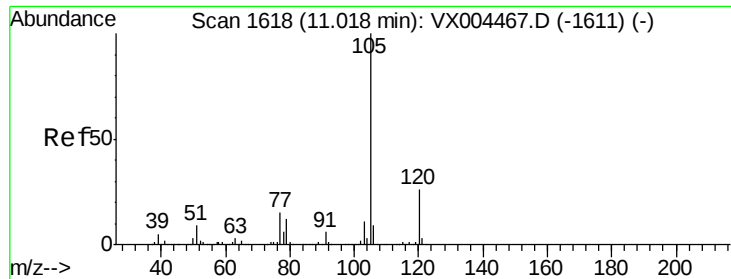
12.05

12.10

12.15

Time-->





#73

Isopropylbenzene

Concen: 56.73 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004719.D

Acq: 19 Sep 2018 21:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 661771

Ion Ratio Lower Upper

105 100

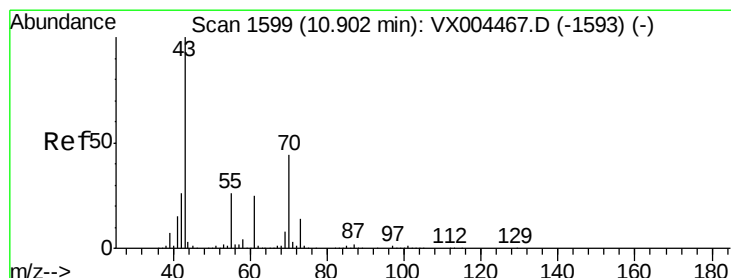
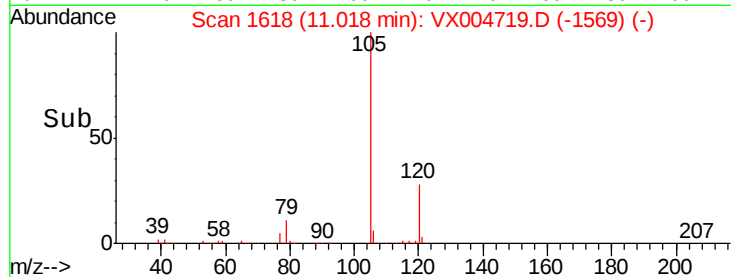
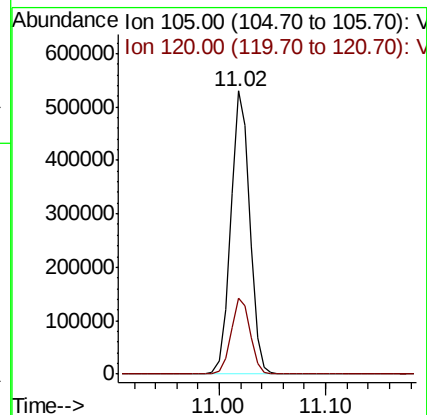
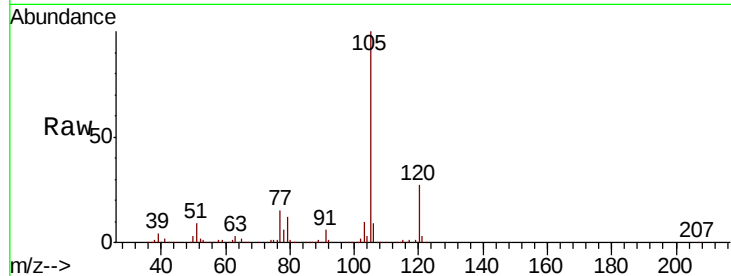
120 26.9 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 53.96 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VX004719.D

Acq: 19 Sep 2018 21:13

Tgt Ion: 43 Resp: 264912

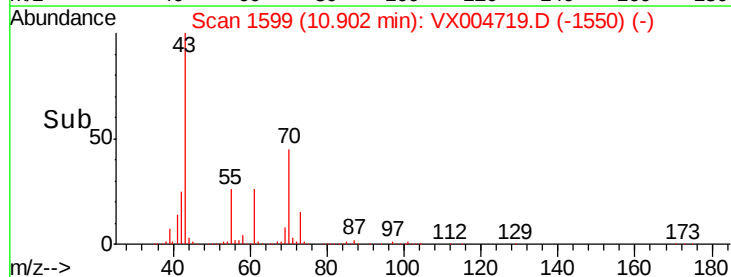
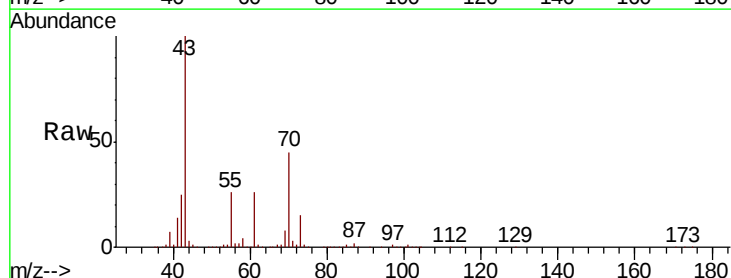
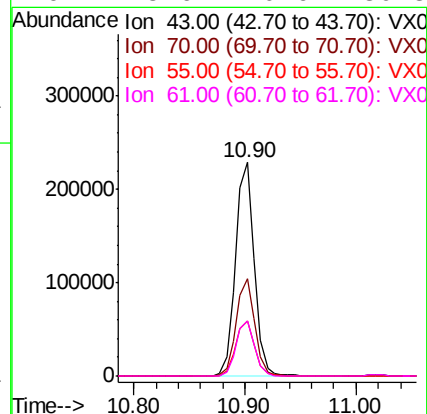
Ion Ratio Lower Upper

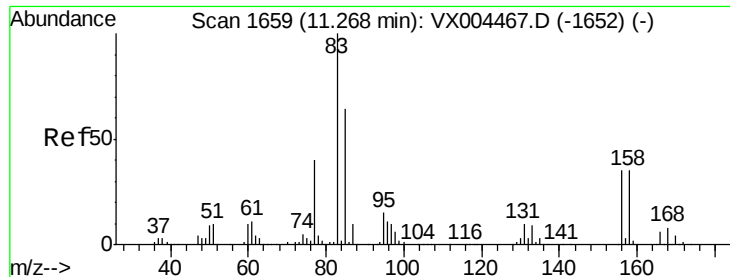
43 100

70 45.2 37.4 56.0

55 26.2 21.8 32.8

61 25.6 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 50.22 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004719.D

Acq: 19 Sep 2018 21:13

Instrument :

MSVOA_X

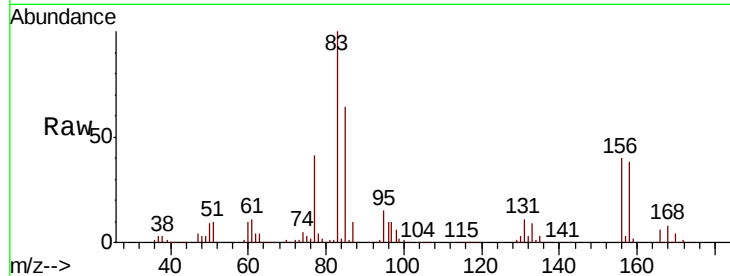
ClientSampleId :

VSTDCCC050EC

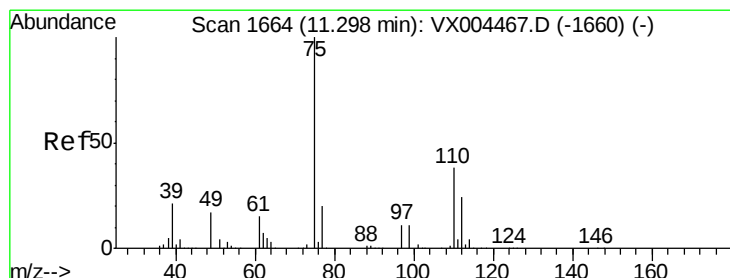
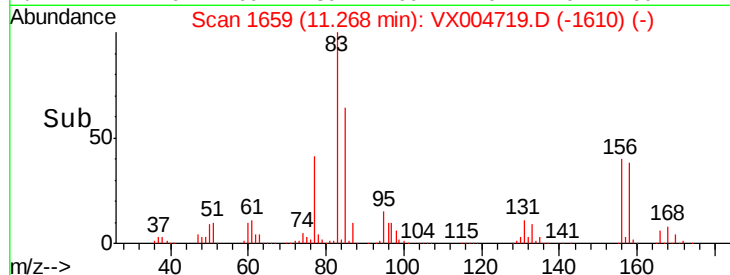
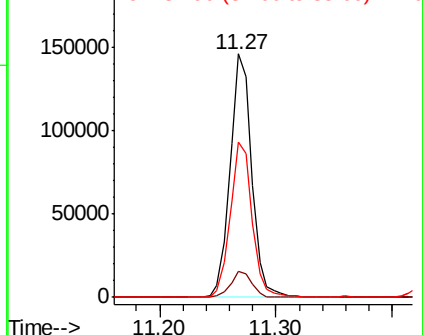
Tot Ion:	83	Resp:	188955
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.2	15.6
85	64.6	32.3	96.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 53.32 ug/l m

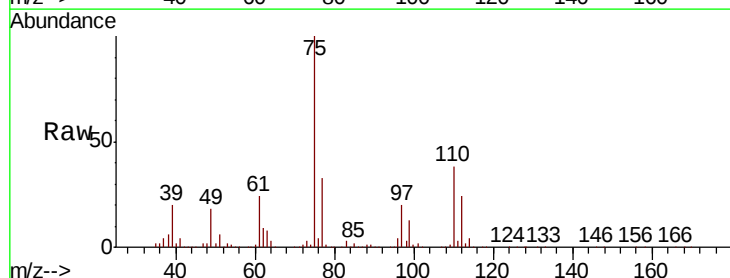
RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

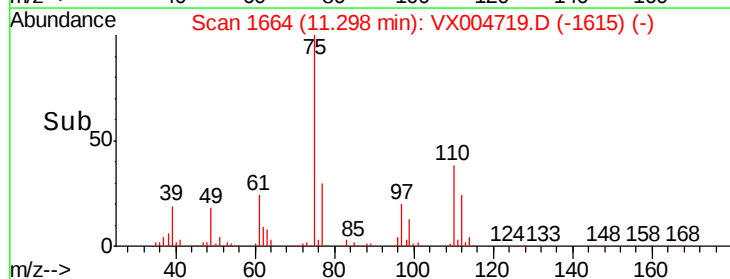
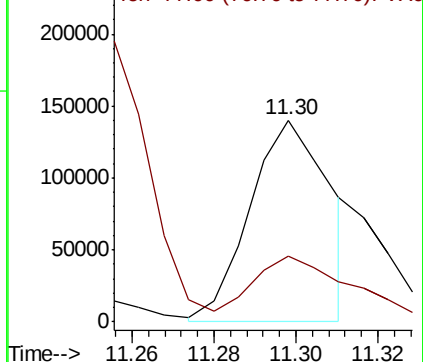
Lab File: VX004719.D

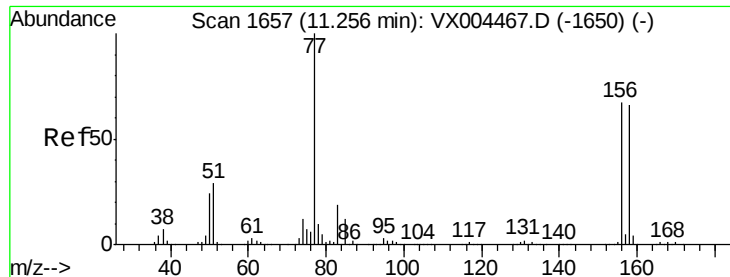
Acq: 19 Sep 2018 21:13

Tgt Ion:	75	Resp:	189990
Ion Ratio	Lower	Upper	
75	100		
77	41.0	20.2	60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 55.97 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004719.D

Acq: 19 Sep 2018 21:13

Instrument :

MSVOA_X

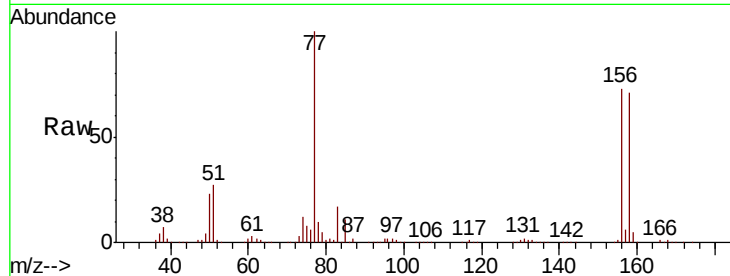
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	180445
Ion Ratio	Lower	Upper	
156	100		
77	138.1	71.5	214.3
158	96.6	48.9	146.8

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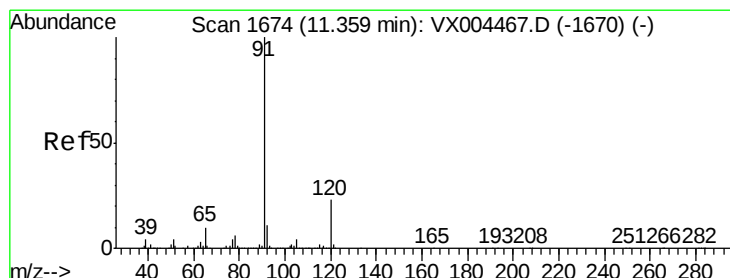
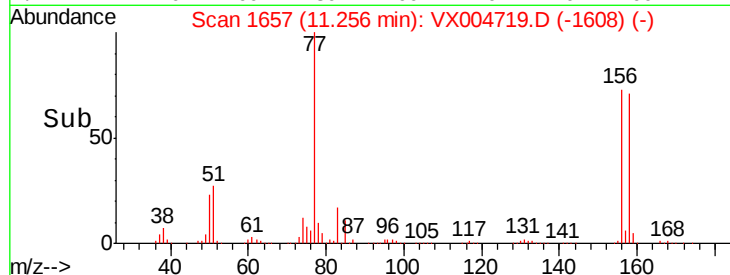
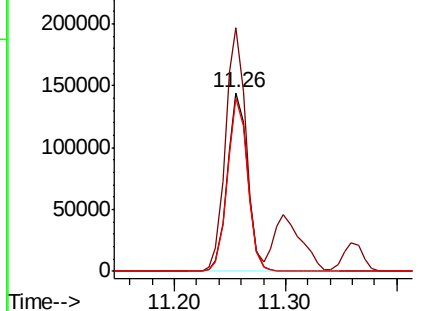
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 56.05 ug/l

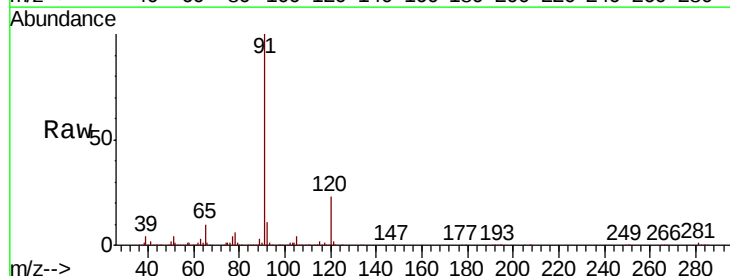
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004719.D

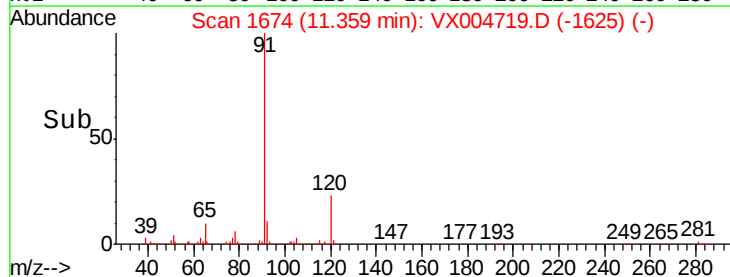
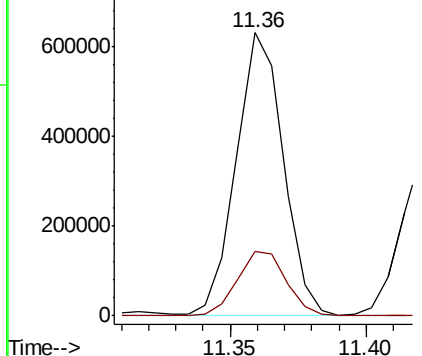
Acq: 19 Sep 2018 21:13

Tgt Ion:	91	Resp:	751693
Ion Ratio	Lower	Upper	
91	100		
120	24.2	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.36 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004719.D

Acq: 19 Sep 2018 21:13

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 442149

Ion Ratio Lower Upper

91 100

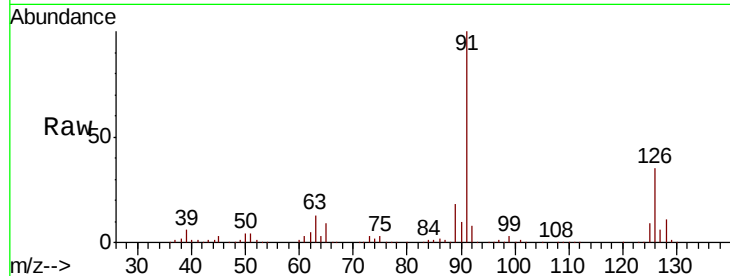
126 36.0 17.9 53.7

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Abundance Ion 91.00 (90.70 to 91.70): VX004467.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX004467.D (-1679) (-)

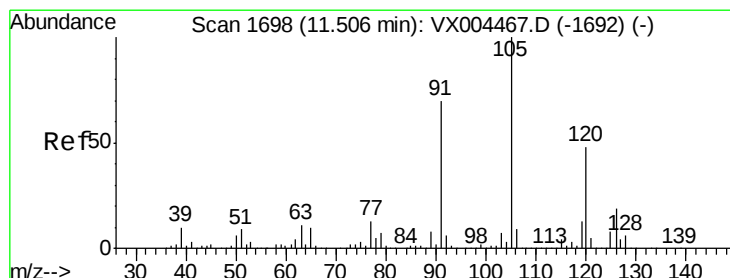
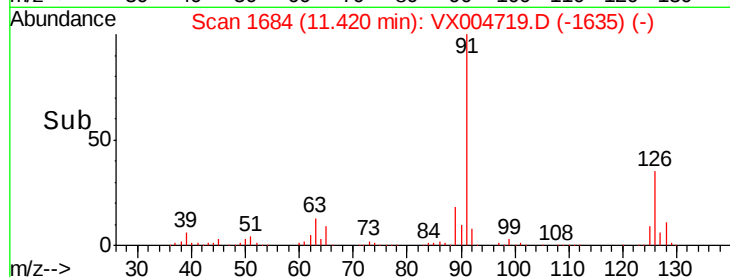
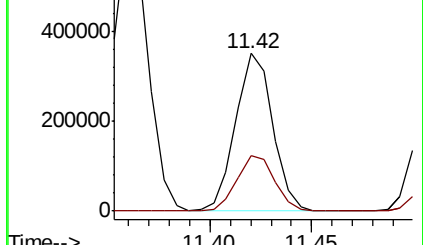
600000

400000

200000

0

11.40 11.45



#80

1,3,5-Trimethylbenzene

Concen: 56.89 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX004719.D

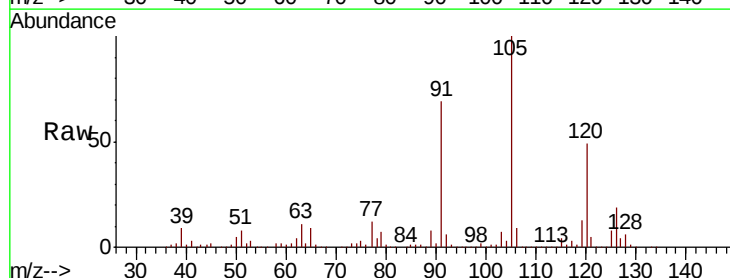
Acq: 19 Sep 2018 21:13

Tgt Ion:105 Resp: 557906

Ion Ratio Lower Upper

105 100

120 49.8 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX004467.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX004467.D (-1692) (-)

500000

400000

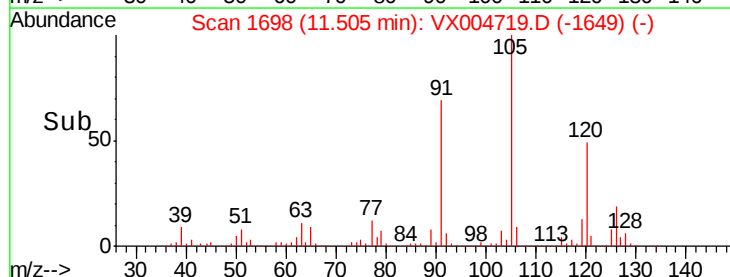
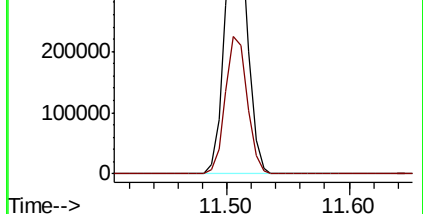
300000

200000

100000

0

11.50 11.60





#81

trans-1,4-Dichloro-2-butene

Concen: 53.76 ug/l

RT: 11.08 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VX004719.D

Acq: 19 Sep 2018 21:13

Instrument :

MSVOA_X

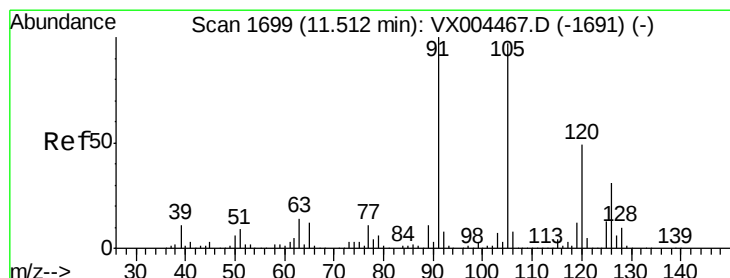
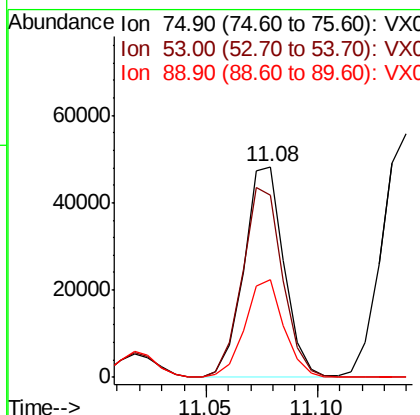
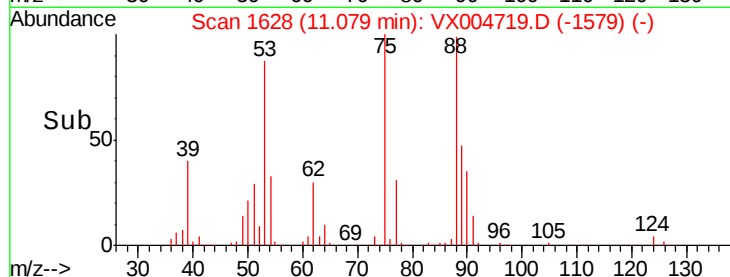
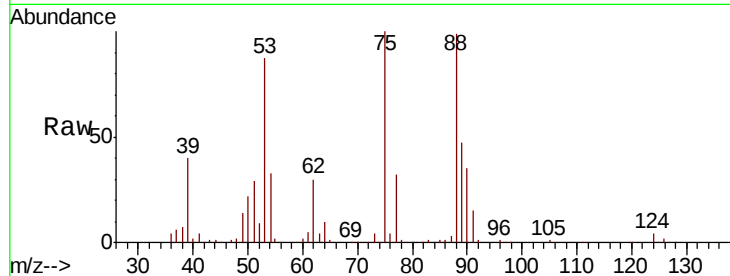
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	60105
Ion	Ratio	Lower	Upper
75	100		
53	91.5	80.1	120.1
89	45.6	37.2	55.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 54.64 ug/l

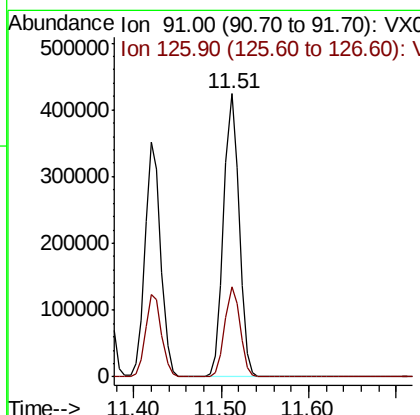
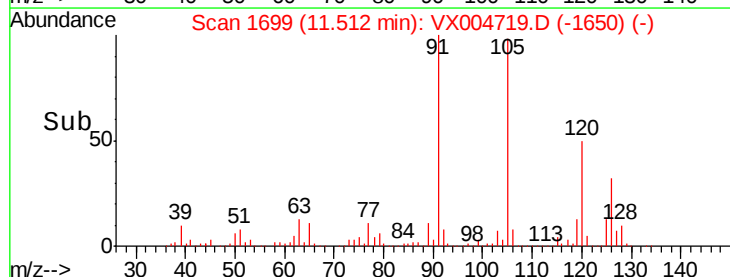
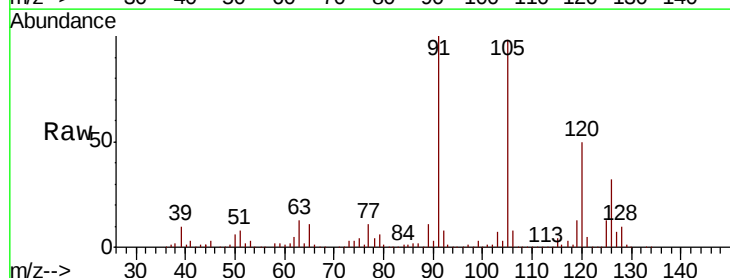
RT: 11.51 min Scan# 1699

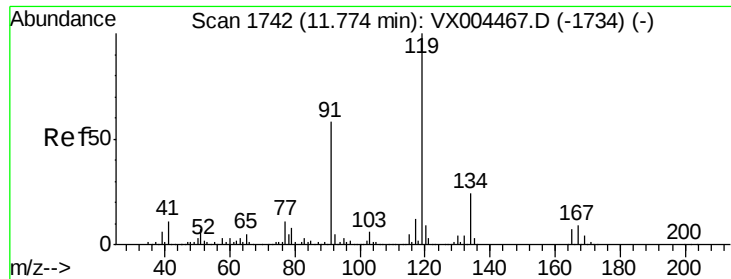
Delta R.T. -0.00 min

Lab File: VX004719.D

Acq: 19 Sep 2018 21:13

Tgt Ion:	91	Resp:	518748
Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.5	46.5





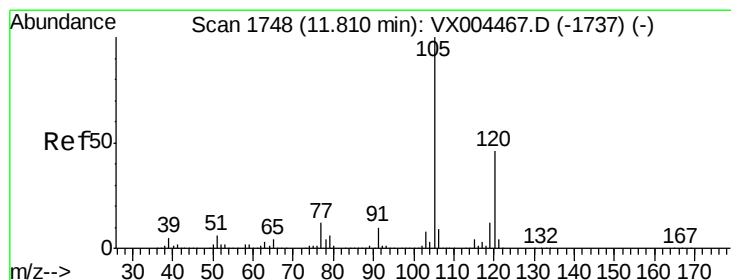
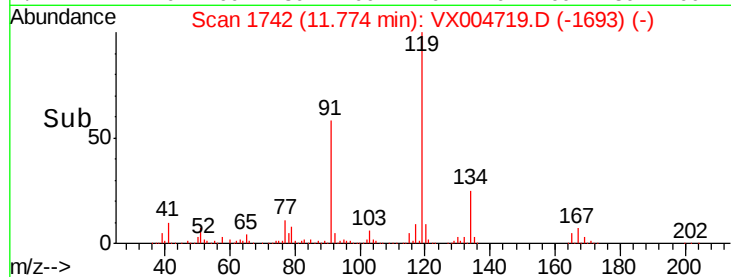
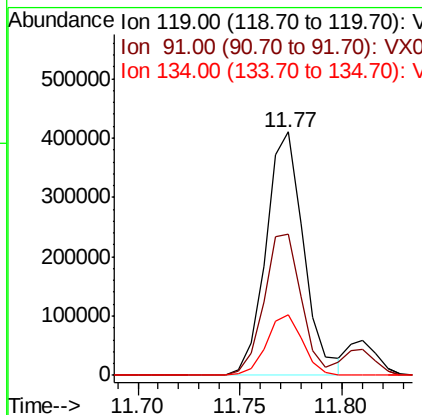
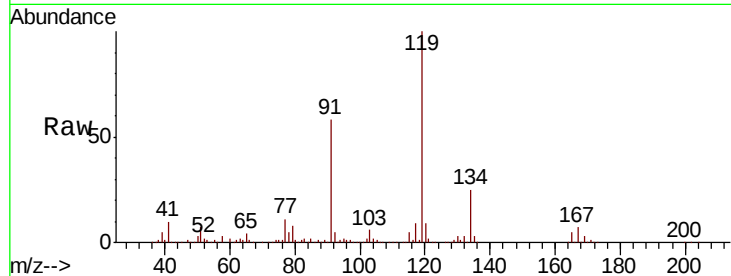
#83
 tert-Butylbenzene
 Concen: 56.56 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX004719.D
 Acq: 19 Sep 2018 21:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	527988		
91	57.6		27.0	81.0
134	23.8		11.7	35.1

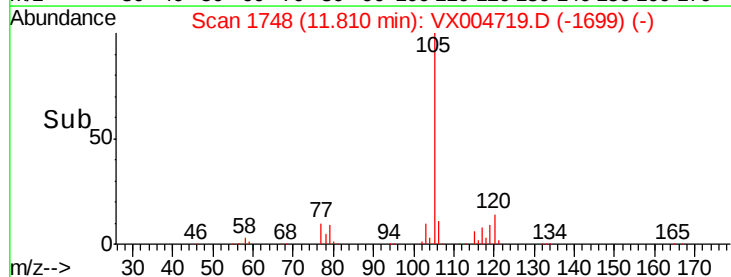
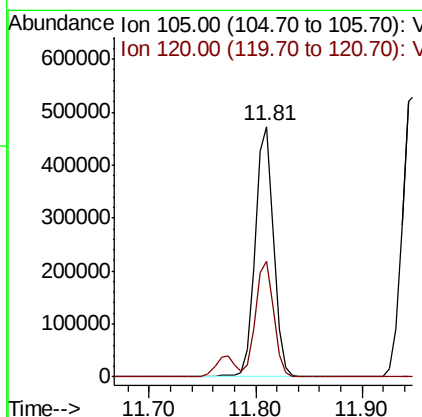
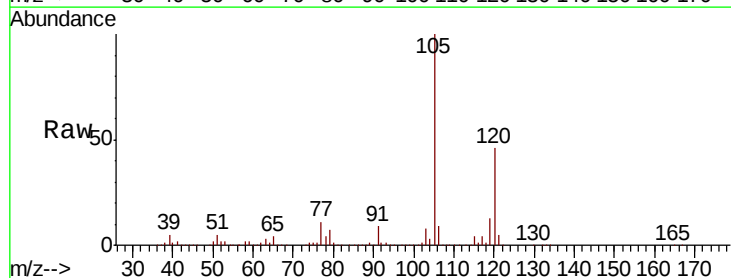
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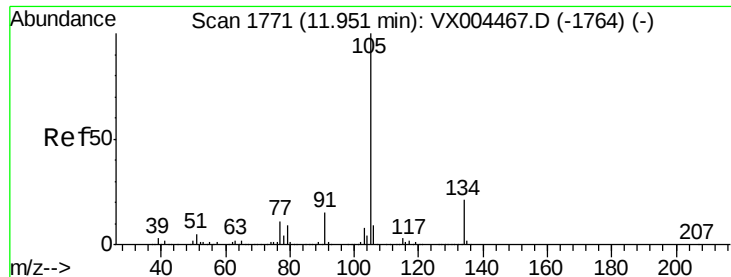
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#84
 1,2,4-Trimethylbenzene
 Concen: 57.12 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX004719.D
 Acq: 19 Sep 2018 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	571917		
120	45.9		23.2	69.6





#85

sec-Butylbenzene

Concen: 57.06 ug/l

RT: 11.95 min Scan# 1771

Delta R.T. -0.00 min

Lab File: VX004719.D

Acq: 19 Sep 2018 21:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 678769

Ion Ratio Lower Upper

105 100

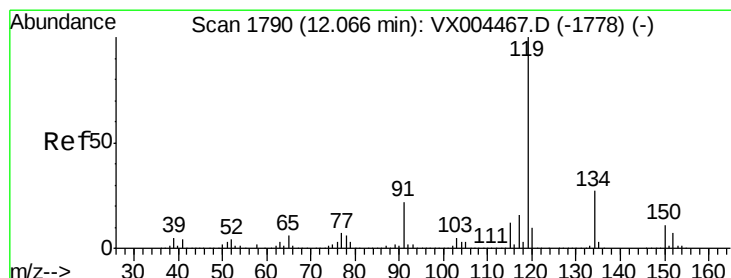
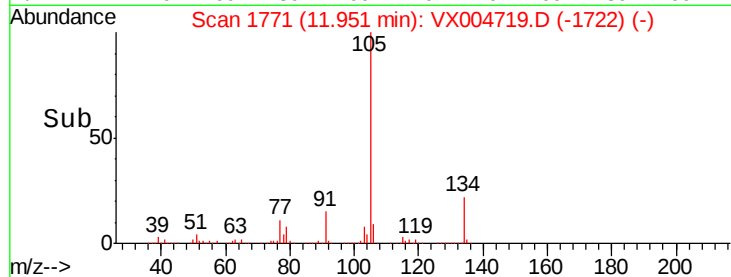
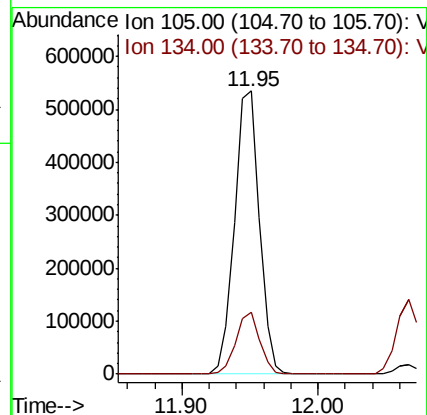
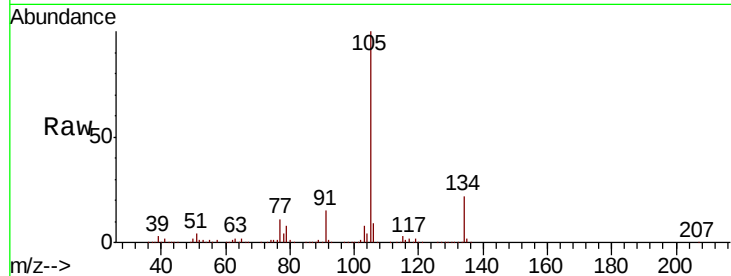
134 21.0 10.5 31.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 57.93 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004719.D

Acq: 19 Sep 2018 21:13

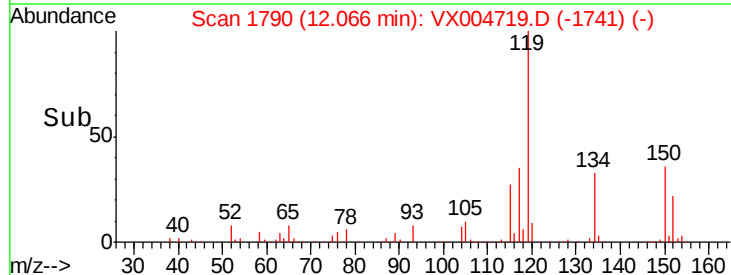
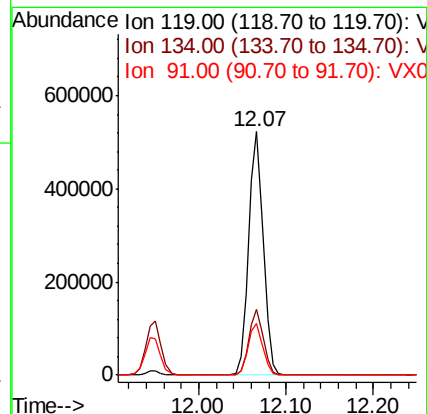
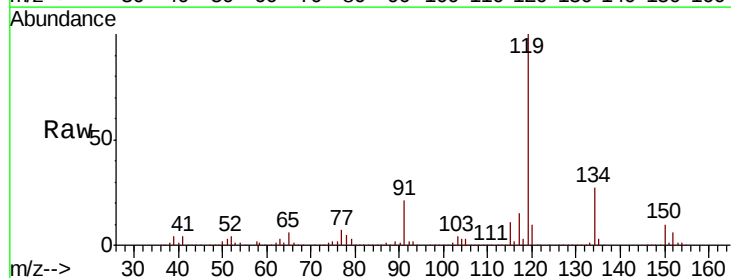
Tgt Ion:119 Resp: 608593

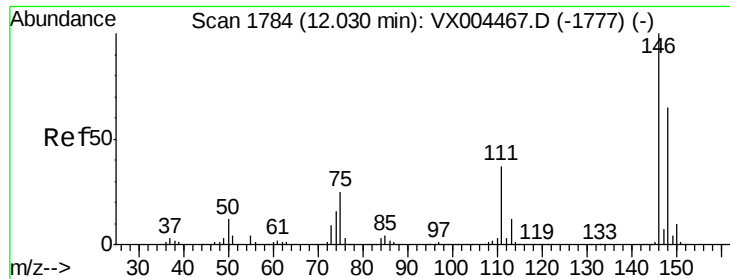
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

91 21.5 10.9 32.7





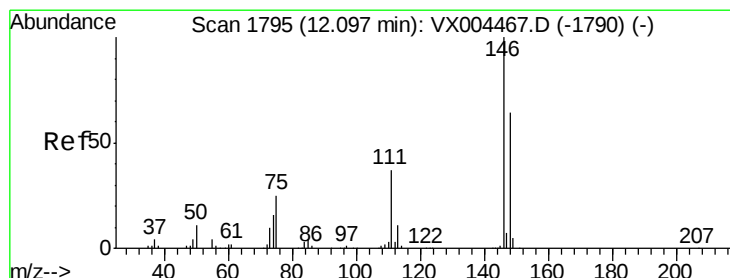
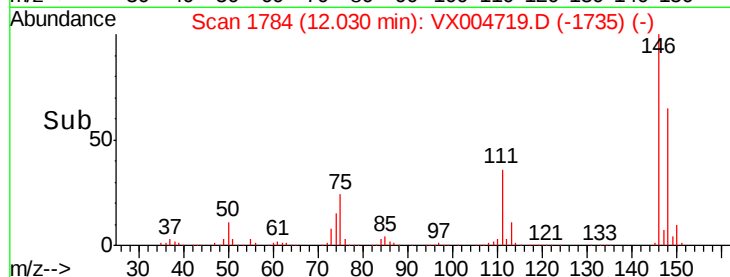
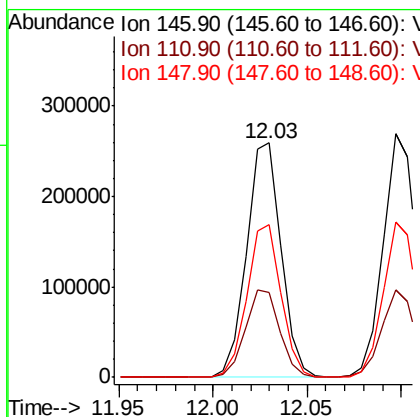
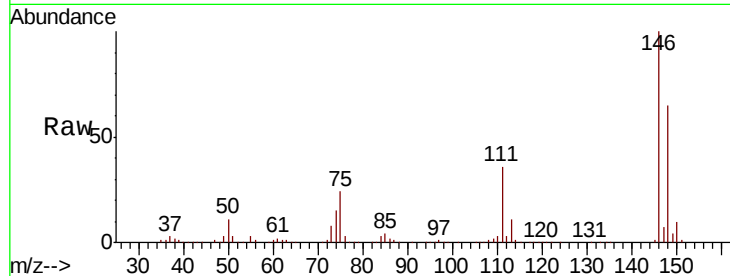
#87
 1,3-Dichlorobenzene
 Concen: 54.72 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: VX004719.D
 Acq: 19 Sep 2018 21:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.7	56.1
148	64.3	32.1	96.5

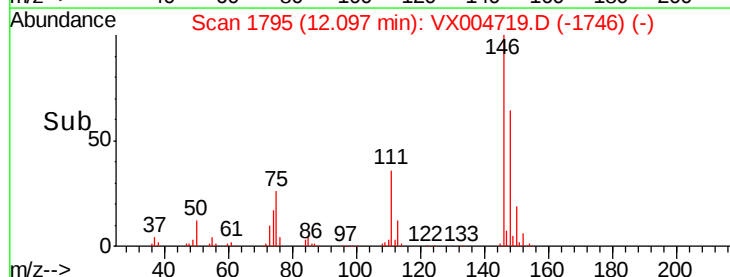
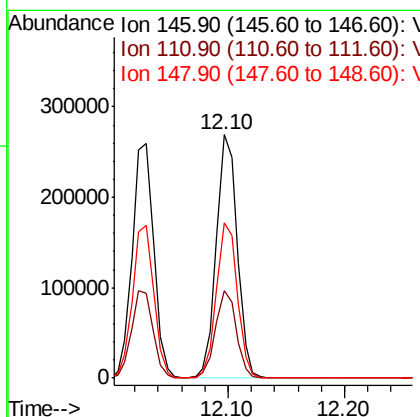
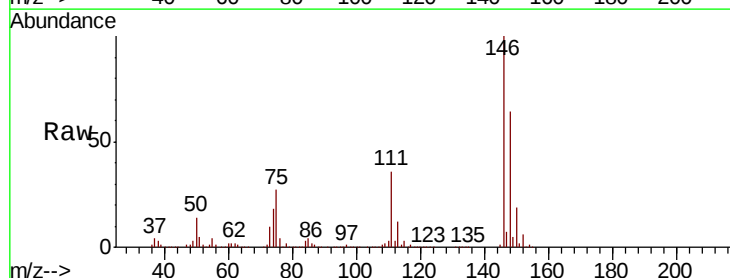
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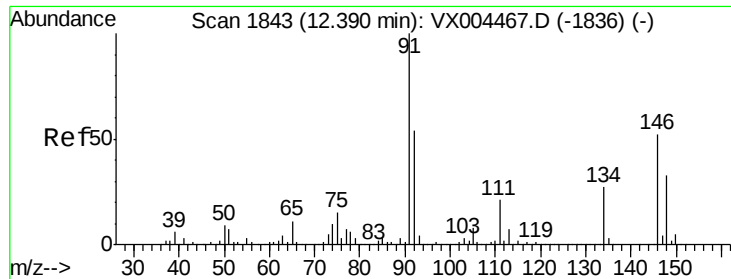
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#88
 1,4-Dichlorobenzene
 Concen: 53.37 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004719.D
 Acq: 19 Sep 2018 21:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.1	54.1
148	64.1	32.0	96.0





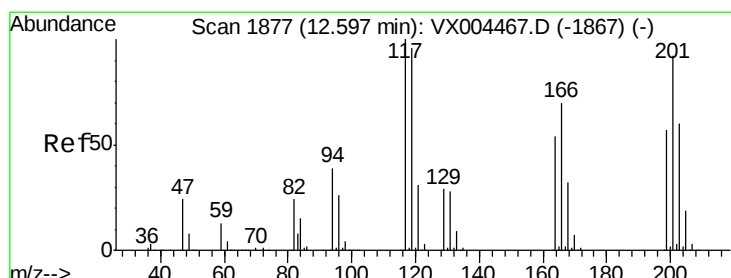
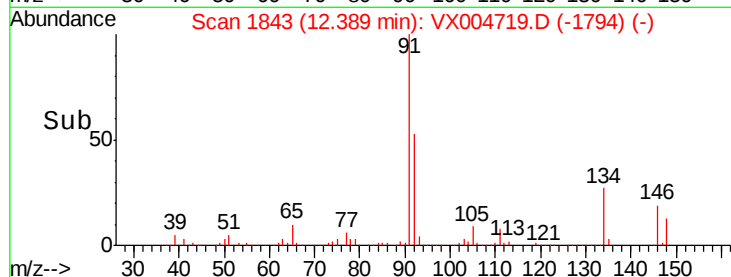
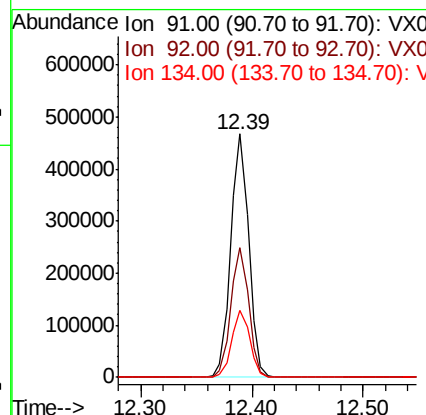
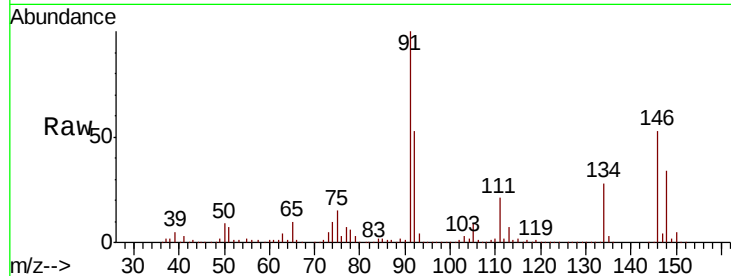
#89
n-Butylbenzene
Concen: 54.51 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004719.D
Acq: 19 Sep 2018 21:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	27.3	81.9
134	27.6	13.6	40.7

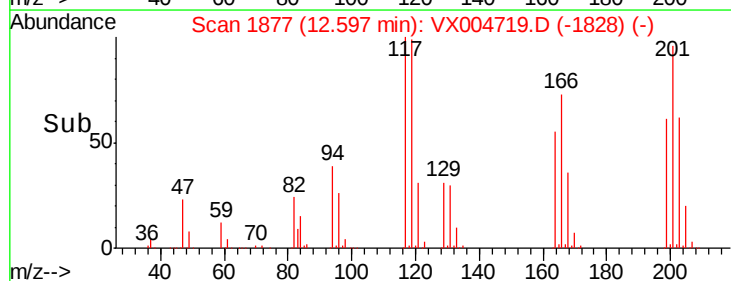
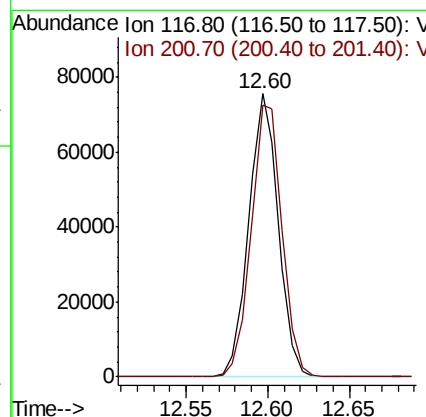
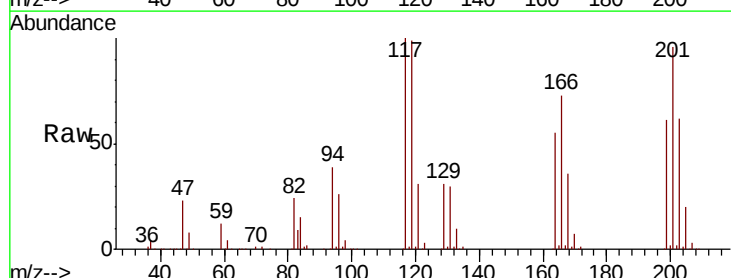
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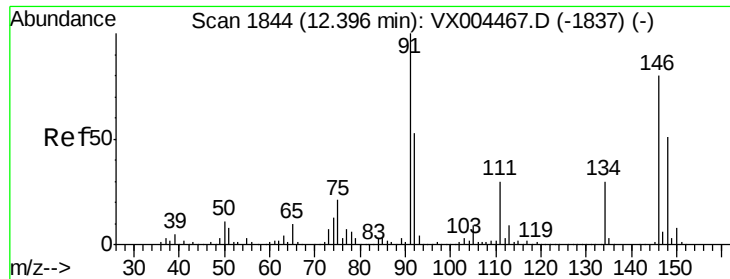
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#90
Hexachloroethane
Concen: 56.55 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004719.D
Acq: 19 Sep 2018 21:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	100.7	46.9	140.6





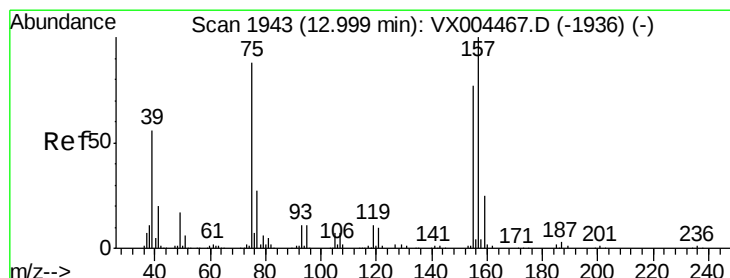
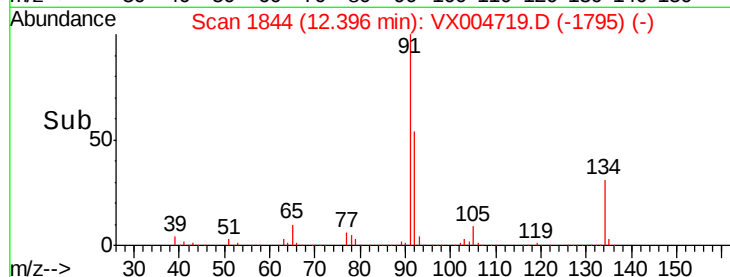
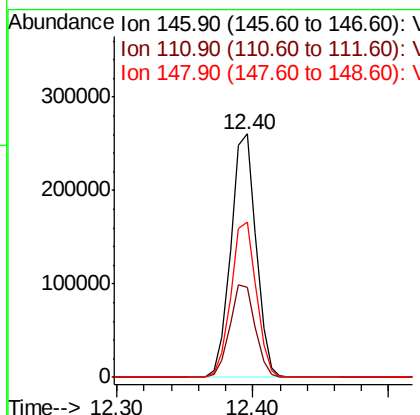
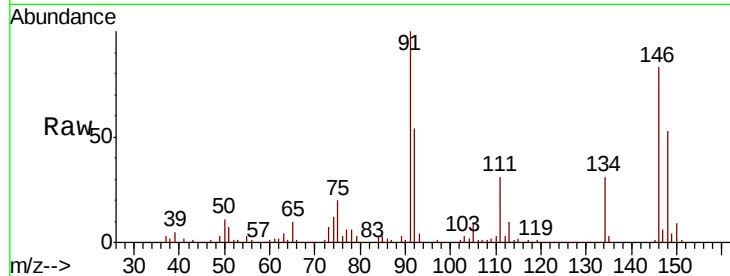
#91
 1,2-Dichlorobenzene
 Concen: 55.16 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. -0.00 min
 Lab File: VX004719.D
 Acq: 19 Sep 2018 21:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.4	58.1
148	63.9	32.8	98.3

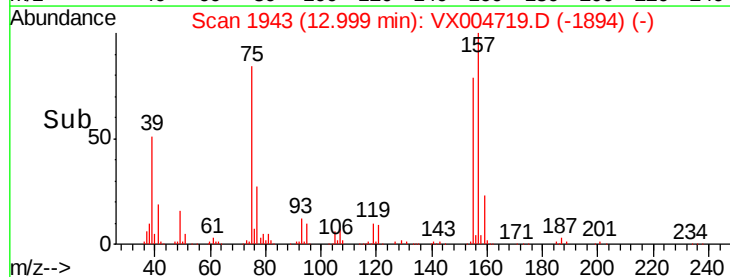
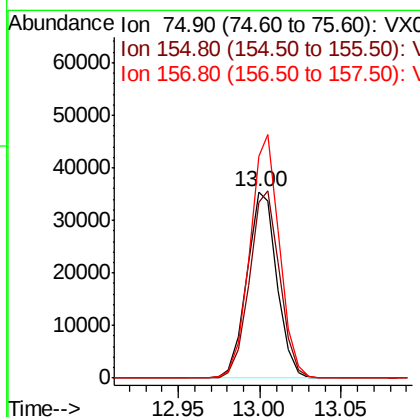
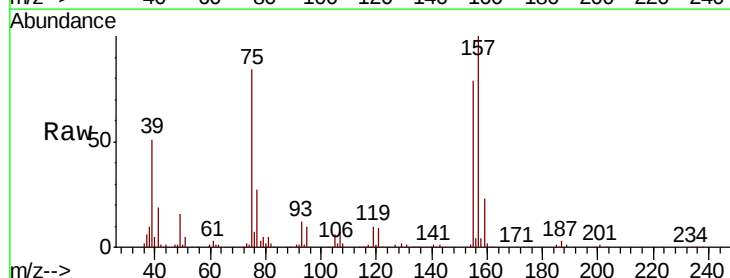
Manual Integrations
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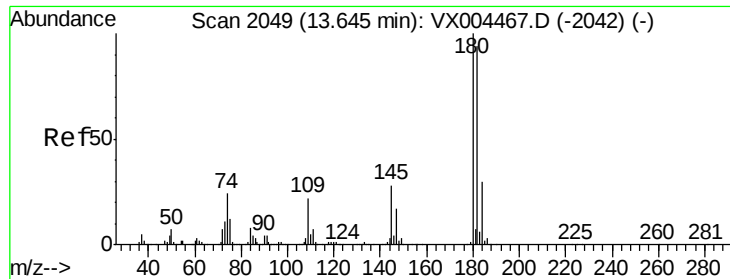
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.44 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX004719.D
 Acq: 19 Sep 2018 21:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.7	48.0	144.2
157	128.4	61.4	184.1





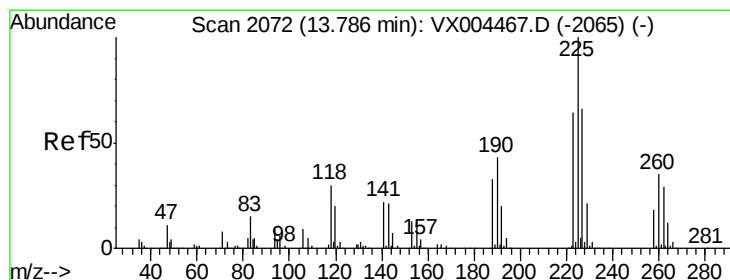
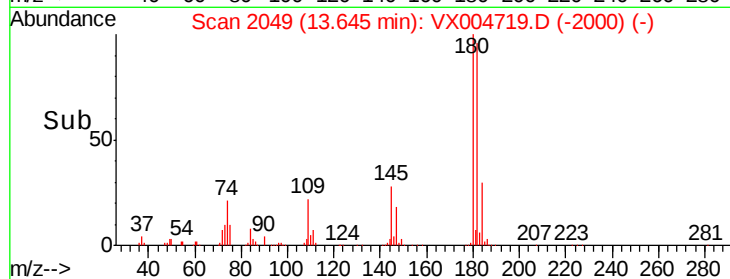
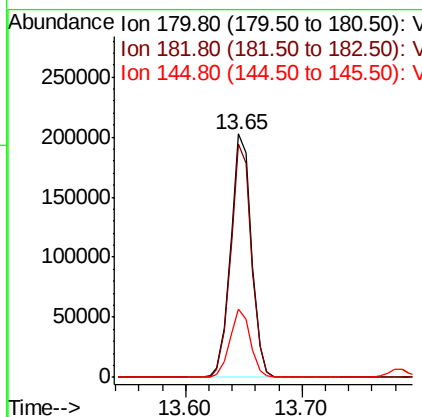
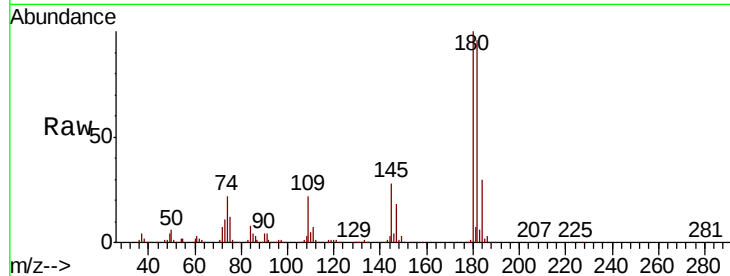
#93
 1,2,4-Trichlorobenzene
 Concen: 58.13 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX004719.D
 Acq: 19 Sep 2018 21:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	250594		
182	95.3	48.4	145.0	
145	27.4	14.3	42.9	

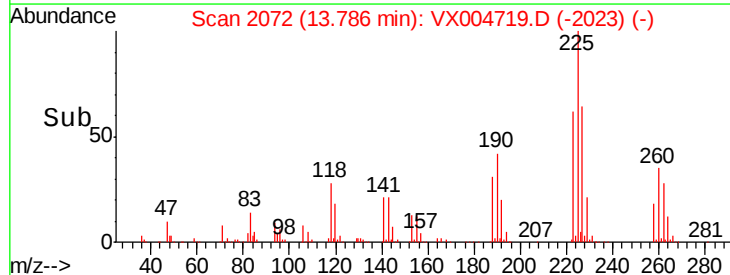
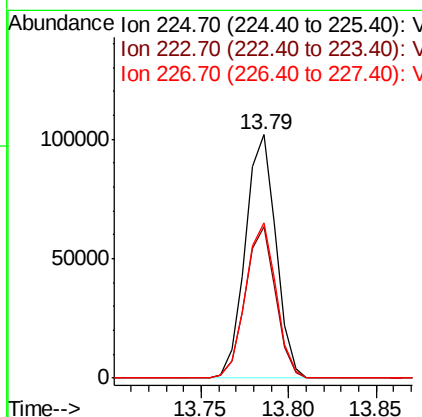
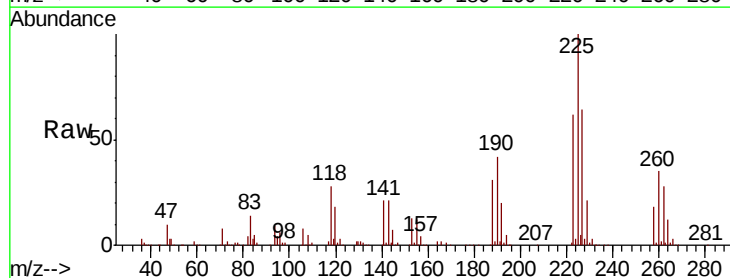
Manual Integrations
 APPROVED

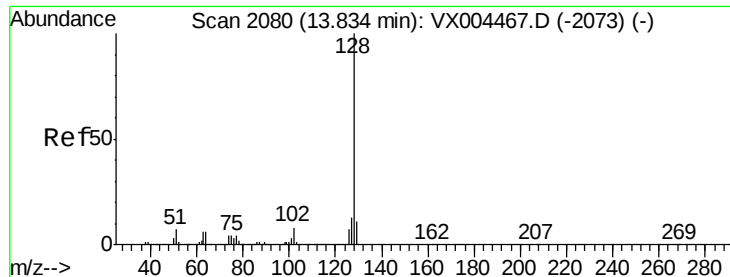
MMDadoda
 9/20/2018 1:42:37 PM



#94
 Hexachlorobutadiene
 Concen: 54.88 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX004719.D
 Acq: 19 Sep 2018 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	123598		
223	61.7	30.1	90.5	
227	63.7	30.8	92.4	





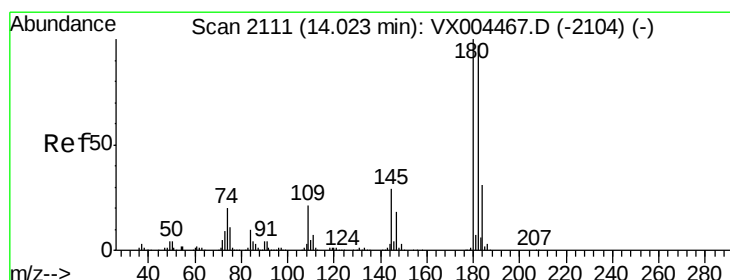
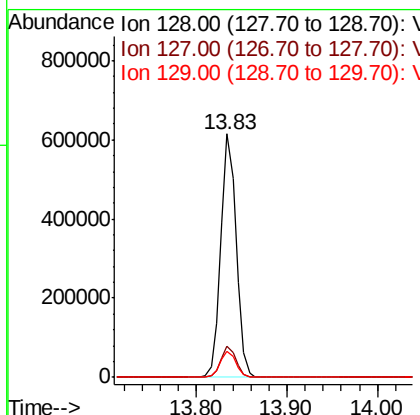
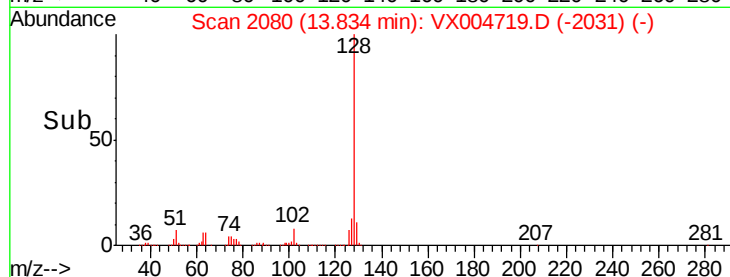
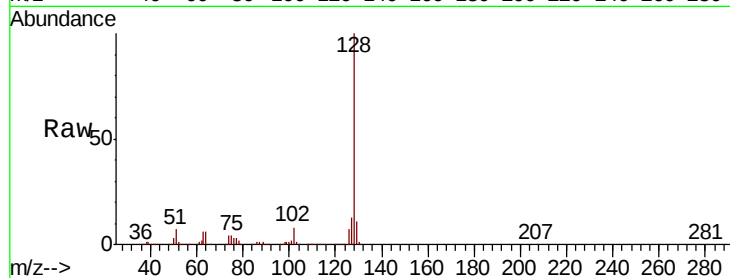
#95
Naphthalene
Concen: 60.49 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX004719.D
Acq: 19 Sep 2018 21:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	731376		
127	12.7		10.2	15.2
129	10.8		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/20/2018 1:42:37 PM



#96
1,2,3-Trichlorobenzene
Concen: 57.70 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX004719.D
Acq: 19 Sep 2018 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	255542		
182	95.4		48.5	145.6
145	29.2		14.9	44.9

