

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032319\
 Data File : VX008354.D
 Acq On : 23 Mar 2019 16:22
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 11:17:04 AM

Quant Time: Mar 25 08:36:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 15:27:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	232685	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	393131	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	351659	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	166143	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	176788	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
35) Dibromofluoromethane	5.49	113	130081	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
50) Toluene-d8	8.71	98	528697	52.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.96%	
62) 4-Bromofluorobenzene	11.13	95	197301	53.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	129014	48.979	ug/l	99
3) Chloromethane	1.32	50	184770	47.318	ug/l	99
4) Vinyl Chloride	1.40	62	179762	47.167	ug/l	99
5) Bromomethane	1.64	94	117138	48.809	ug/l	100
6) Chloroethane	1.71	64	102760	46.038	ug/l	100
7) Trichlorofluoromethane	1.92	101	206028	47.537	ug/l	98
8) Diethyl Ether	2.18	74	94511	45.543	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.38	101	125711	48.964	ug/l	89
10) Methyl Iodide	2.51	142	157845	48.459	ug/l	97
11) Tert butyl alcohol	3.05	59	178052	225.244	ug/l	99
12) 1,1-Dichloroethene	2.37	96	125740	47.445	ug/l	91
13) Acrolein	2.29	56	164926	244.158	ug/l	98
14) Allyl chloride	2.72	41	276281	47.123	ug/l	95
15) Acrylonitrile	3.14	53	465974	230.190	ug/l	99
16) Acetone	2.44	43	408426	230.243	ug/l	98
17) Carbon Disulfide	2.56	76	389133	45.919	ug/l	100
18) Methyl Acetate	2.77	43	197696	44.524	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	456296	47.804	ug/l	96
20) Methylene Chloride	2.85	84	147337	46.138	ug/l	91
21) trans-1,2-Dichloroethene	3.16	96	132702	46.243	ug/l	91
22) Diisopropyl ether	3.85	45	547055	47.922	ug/l #	88
23) Vinyl Acetate	3.81	43	2467117	244.781	ug/l	97
24) 1,1-Dichloroethane	3.69	63	276196	47.455	ug/l	98
25) 2-Butanone	4.67	43	684468	234.334	ug/l	97
26) 2,2-Dichloropropane	4.58	77	187597	50.029	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	152743	46.472	ug/l	90
28) Bromochloromethane	5.01	49	153239	52.741	ug/l #	79
29) Tetrahydrofuran	5.13	42	443800	228.828	ug/l	96
30) Chloroform	5.21	83	247788	47.221	ug/l	100
31) Cyclohexane	5.57	56	271361	48.622	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	200733	48.351	ug/l	96
36) 1,1-Dichloropropene	5.80	75	198767	49.479	ug/l	96
37) Ethyl Acetate	4.83	43	260608	47.933	ug/l	98
38) Carbon Tetrachloride	5.78	117	168797	49.018	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	7.46	83	253201	51.421	ug/l	91
40) Benzene	6.14	78	596506	48.758	ug/l	100
41) Methacrylonitrile	5.04	41	144419	48.733	ug/l	96
42) 1,2-Dichloroethane	6.19	62	210133	47.330	ug/l	96
43) Isopropyl Acetate	6.44	43	419992	49.608	ug/l	97
44) Trichloroethene	7.21	130	135550	47.711	ug/l	86
45) 1,2-Dichloropropane	7.51	63	169717	49.002	ug/l	99
46) Dibromomethane	7.66	93	97174	47.277	ug/l #	85
47) Bromodichloromethane	7.90	83	193225	49.286	ug/l	99
48) Methyl methacrylate	7.77	41	213109	49.885	ug/l	94
49) 1,4-Dioxane	7.74	88	76725	890.163	ug/l	91
51) 4-Methyl-2-Pentanone	8.64	43	1345245	242.178	ug/l	98
52) Toluene	8.78	92	361934	50.452	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	221533	52.556	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	248135	51.921	ug/l	92
55) 1,1,2-Trichloroethane	9.21	97	144269	48.415	ug/l	97
56) Ethyl methacrylate	9.18	69	270353	51.249	ug/l	91
57) 1,3-Dichloropropane	9.37	76	257755	48.556	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	839432	295.126	ug/l	92
59) 2-Hexanone	9.49	43	1025059	240.389	ug/l	96
60) Dibromochloromethane	9.58	129	140770	50.895	ug/l	98
61) 1,2-Dibromoethane	9.67	107	150964	49.919	ug/l	99
64) Tetrachloroethene	9.34	164	115336	50.154	ug/l	96
65) Chlorobenzene	10.13	112	365808	49.601	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	129732	50.724	ug/l	98
67) Ethyl Benzene	10.25	91	699779	50.673	ug/l	97
68) m/p-Xylenes	10.36	106	506579	102.096	ug/l	92
69) o-Xylene	10.69	106	243536	50.195	ug/l	94
70) Styrene	10.71	104	429165	51.005	ug/l	96
71) Bromoform	10.85	173	101613	51.575	ug/l #	100
73) Isopropylbenzene	11.02	105	656045	50.035	ug/l	98
74) N-amyl acetate	10.90	43	382210	49.789	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	242730	46.476	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	203247m	46.737	ug/l	
77) Bromobenzene	11.26	156	152611	49.191	ug/l	80
78) n-propylbenzene	11.36	91	789410	51.369	ug/l	95
79) 2-Chlorotoluene	11.42	91	456530	48.769	ug/l	94
80) 1,3,5-Trimethylbenzene	11.51	105	561013	50.298	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	80813	52.957	ug/l	91
82) 4-Chlorotoluene	11.51	91	537201	49.804	ug/l	94
83) tert-Butylbenzene	11.77	119	532867	50.169	ug/l	94
84) 1,2,4-Trimethylbenzene	11.80	105	561191	50.418	ug/l	97
85) sec-Butylbenzene	11.94	105	649861	51.051	ug/l	96
86) p-Isopropyltoluene	12.06	119	589387	52.529	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	275965	49.527	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	276456	48.762	ug/l	97
89) n-Butylbenzene	12.38	91	570902	53.298	ug/l	97
90) Hexachloroethane	12.60	117	97470	52.590	ug/l	79
91) 1,2-Dichlorobenzene	12.39	146	274114	48.574	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	52826	47.458	ug/l	76

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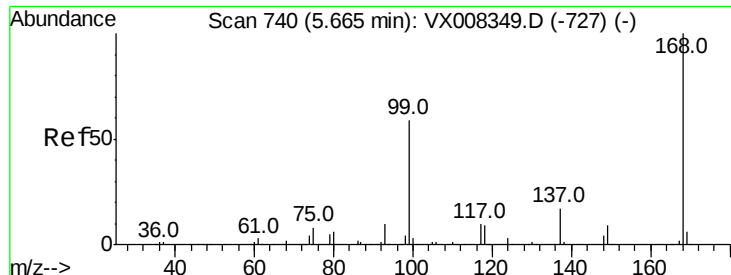
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	194067	50.997	ug/l	99
94) Hexachlorobutadiene	13.78	225	95623	53.170	ug/l	99
95) Naphthalene	13.83	128	650534	48.680	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	191792	49.946	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX008354.D

Acq: 23 Mar 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 232685

Ion Ratio Lower Upper

168 100

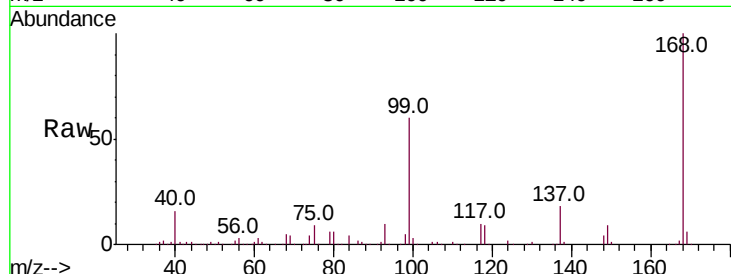
99 59.4 37.6 56.4#

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

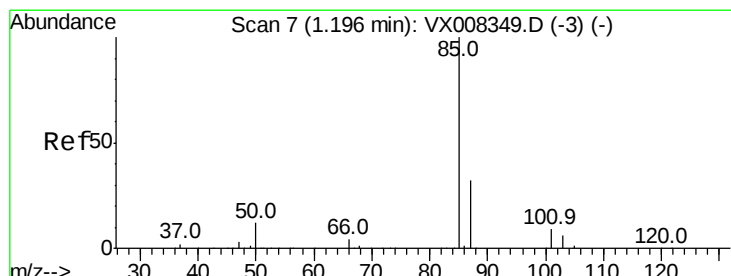
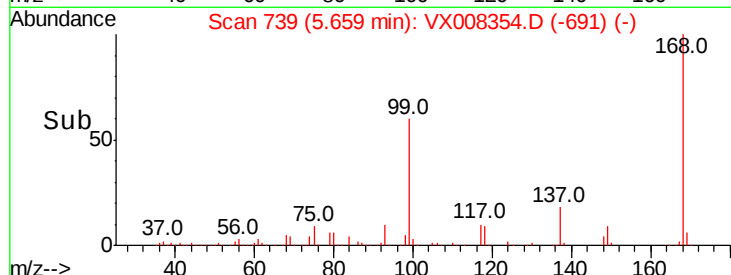
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.979 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008354.D

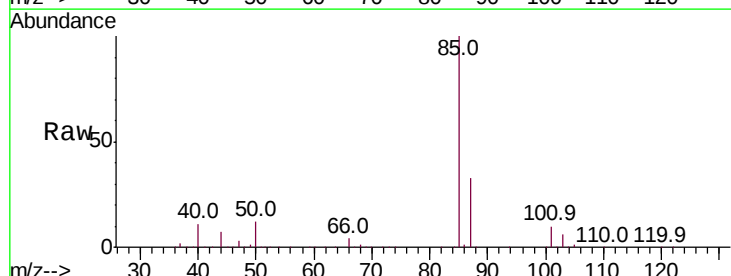
Acq: 23 Mar 2019 16:22

Tgt Ion: 85 Resp: 129014

Ion Ratio Lower Upper

85 100

87 33.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

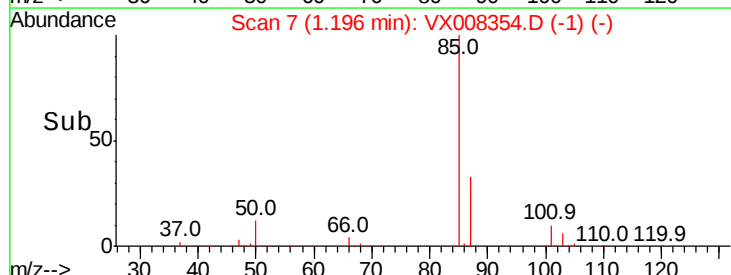
1.20

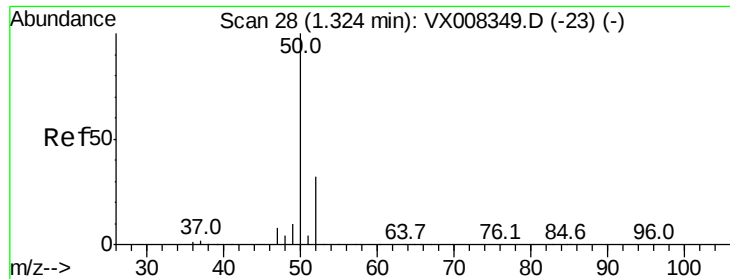
100000

50000

0

Time-->





#3

Chloromethane

Concen: 47.318 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX008354.D

Acq: 23 Mar 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 184770

Ion Ratio Lower Upper

50 100

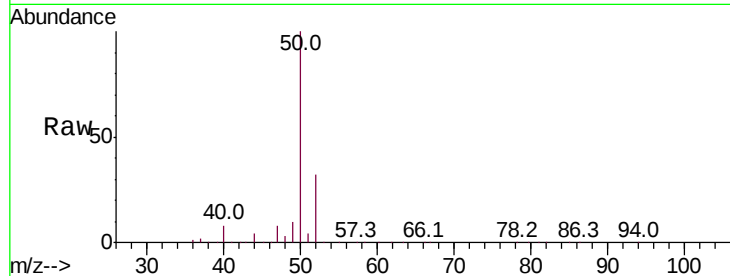
52 32.4 26.5 39.7

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

200000

150000

100000

50000

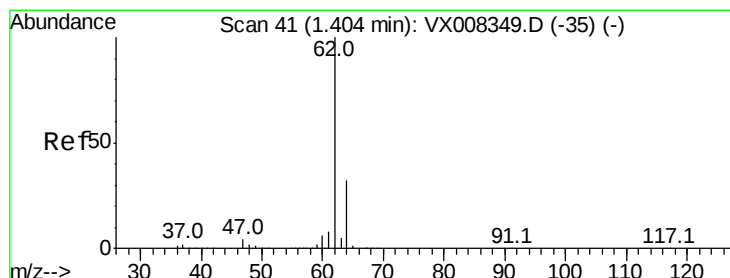
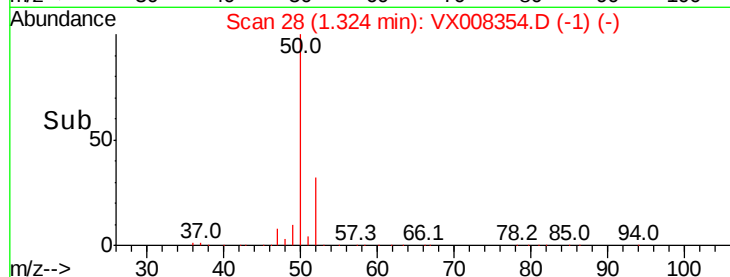
0

1.32

1.35

1.40

Time-->



#4

Vinyl Chloride

Concen: 47.167 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX008354.D

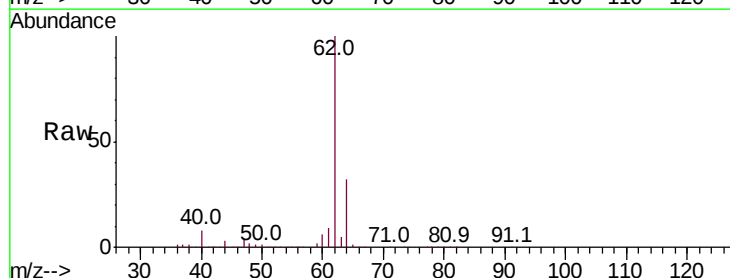
Acq: 23 Mar 2019 16:22

Tgt Ion: 62 Resp: 179762

Ion Ratio Lower Upper

62 100

64 32.2 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

150000

100000

50000

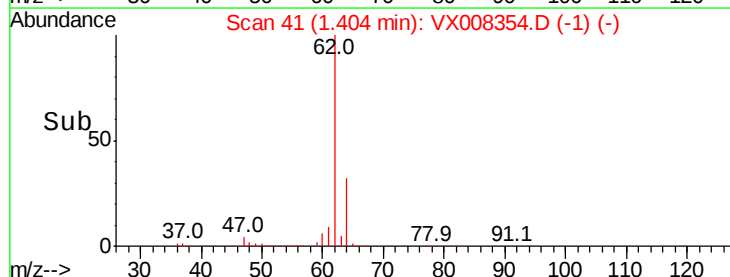
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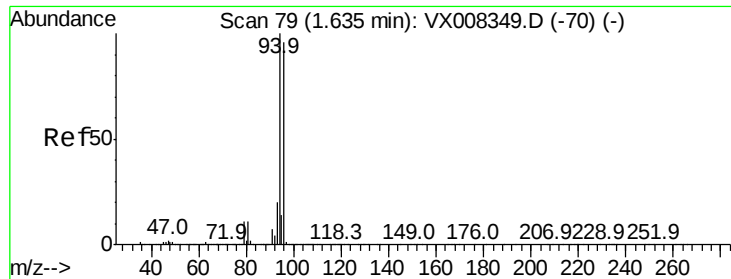
1.40

1.45

1.50

Time-->





#5

Bromomethane

Concen: 48.809 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX008354.D

Acq: 23 Mar 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 117138

Ion Ratio Lower Upper

94 100

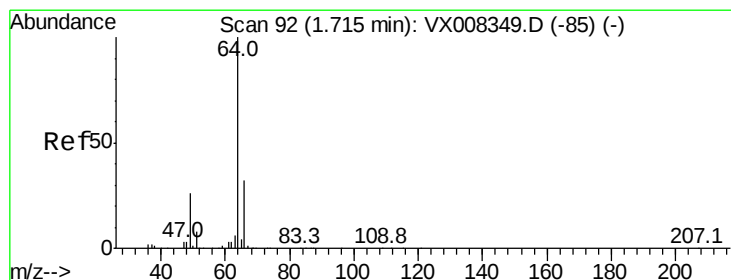
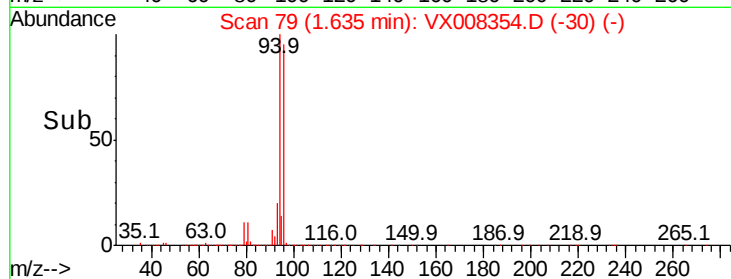
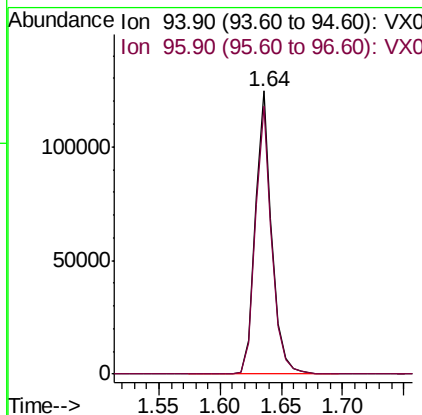
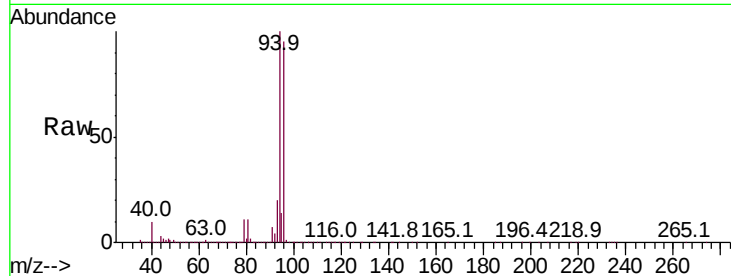
96 94.5 75.5 113.3

Manual Integrations

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#6

Chloroethane

Concen: 46.038 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX008354.D

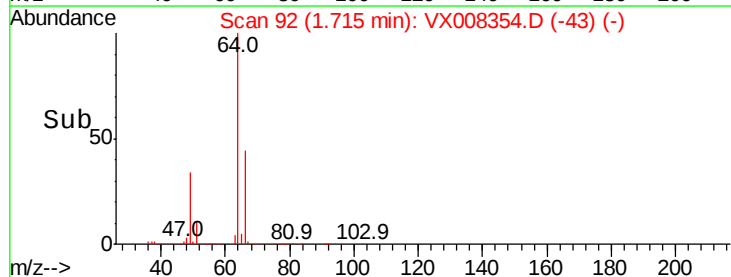
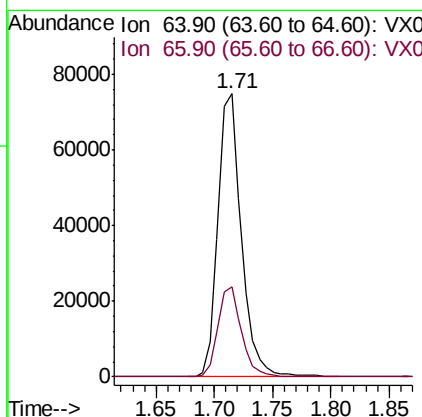
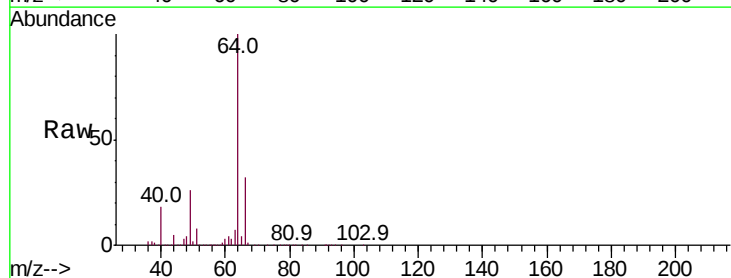
Acq: 23 Mar 2019 16:22

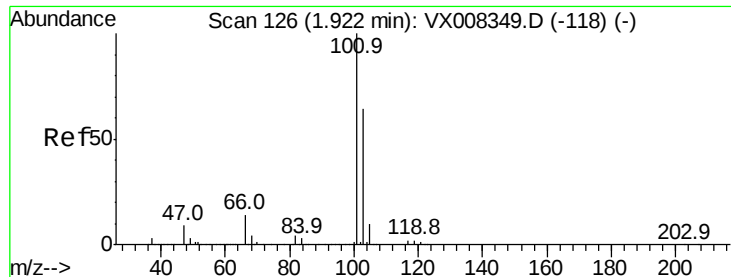
Tgt Ion: 64 Resp: 102760

Ion Ratio Lower Upper

64 100

66 31.7 25.2 37.8





#7

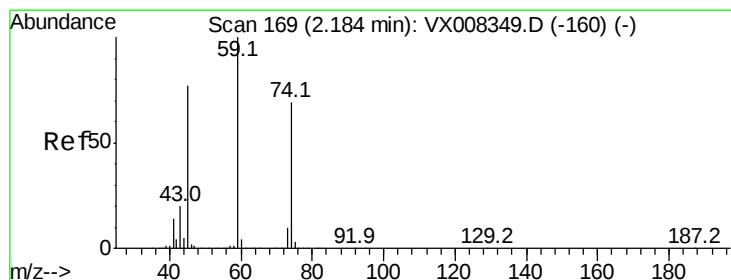
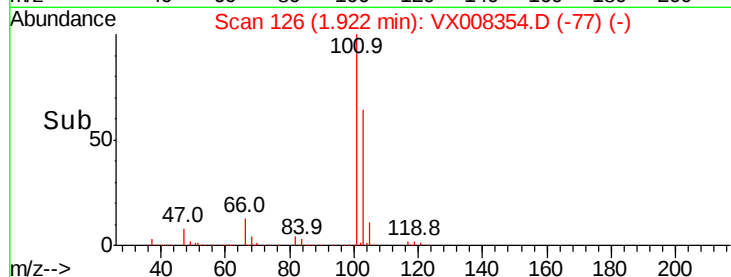
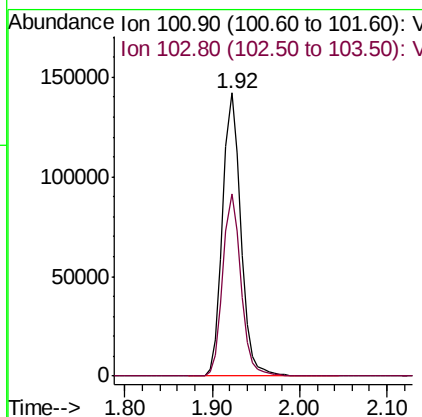
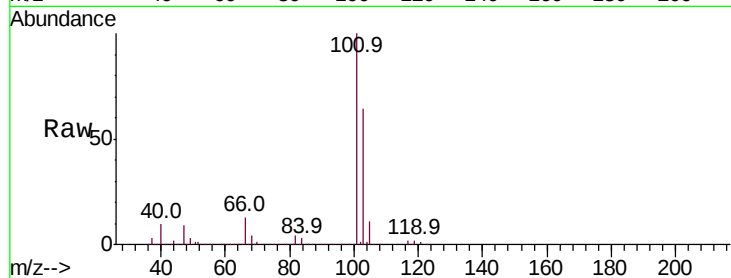
Trichlorofluoromethane
Concen: 47.537 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX008354.D
Acq: 23 Mar 2019 16:22

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	50.4	75.6

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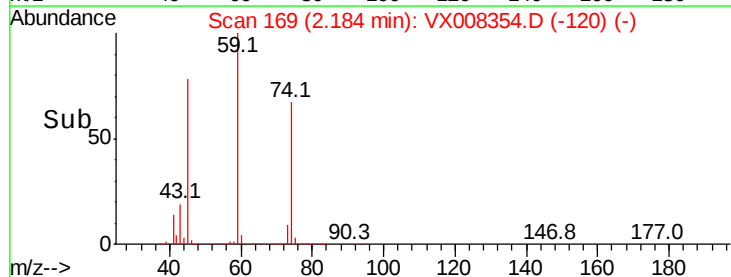
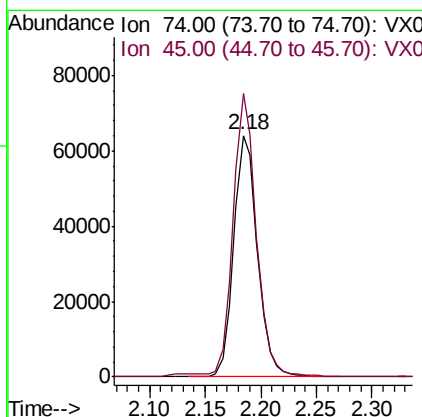
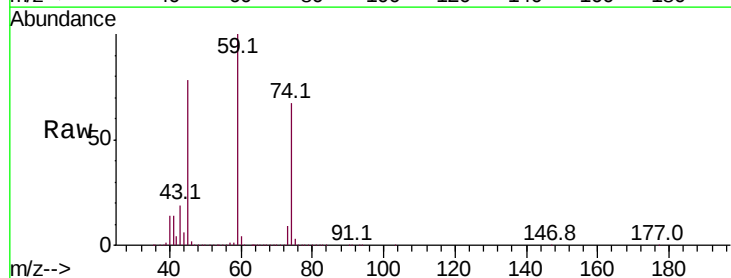
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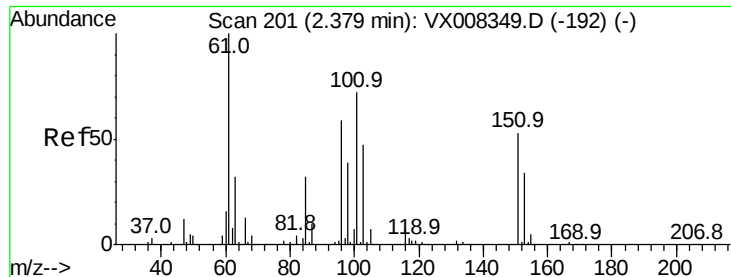


#8

Diethyl Ether
Concen: 45.543 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX008354.D
Acq: 23 Mar 2019 16:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	113.7	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.964 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX008354.D

Acq: 23 Mar 2019 16:22

Instrument :

MSVOA_X

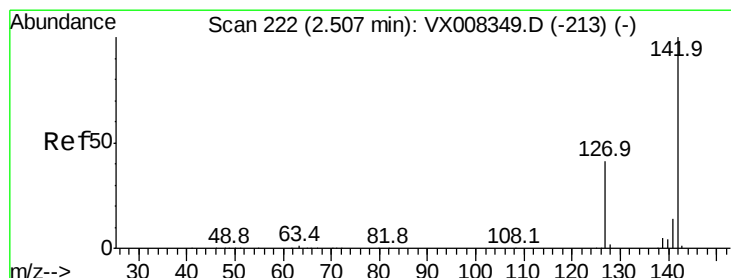
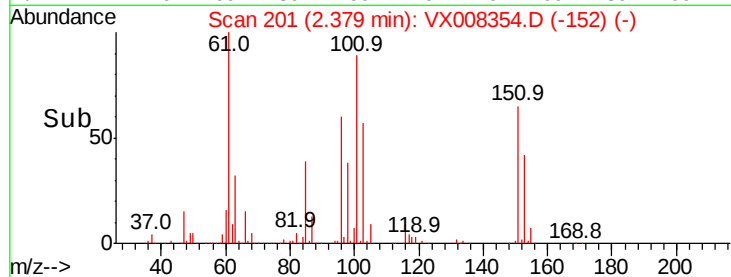
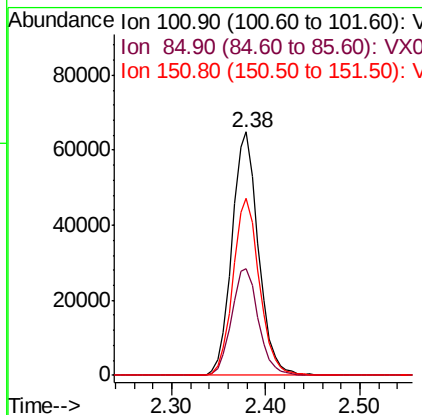
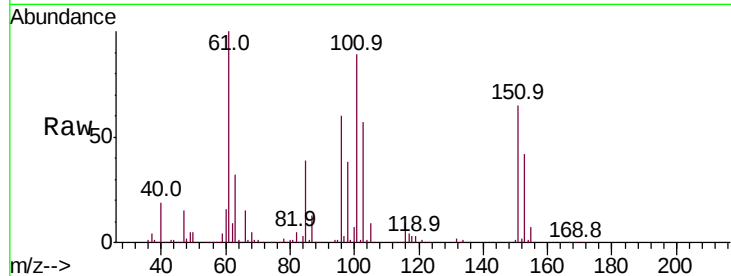
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	125711
Ion Ratio	Lower	Upper	
101	100		
85	44.6	33.8	50.6
151	72.8	69.1	103.7

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#10

Methyl Iodide

Concen: 48.459 ug/l

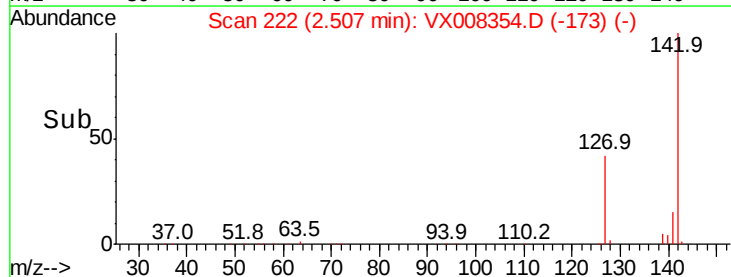
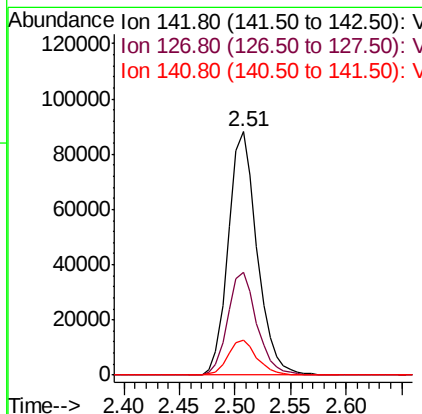
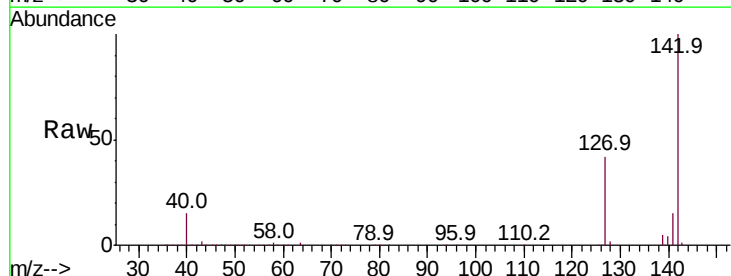
RT: 2.51 min Scan# 222

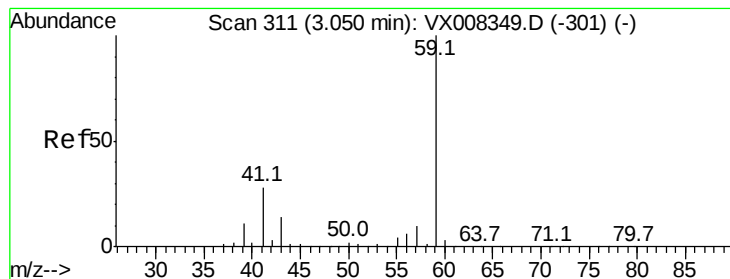
Delta R.T. -0.00 min

Lab File: VX008354.D

Acq: 23 Mar 2019 16:22

Tgt Ion:	142	Resp:	157845
Ion Ratio	Lower	Upper	
142	100		
127	42.7	32.1	48.1
141	14.6	11.4	17.2





#11

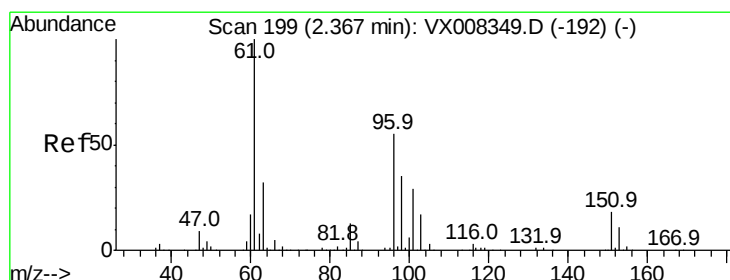
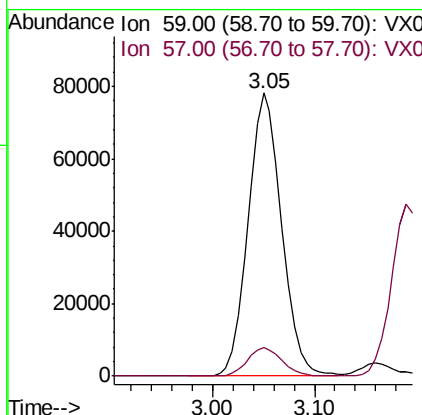
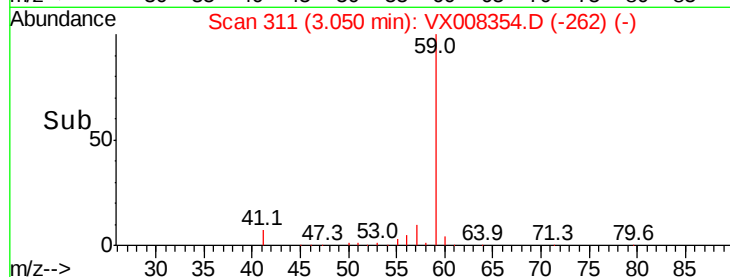
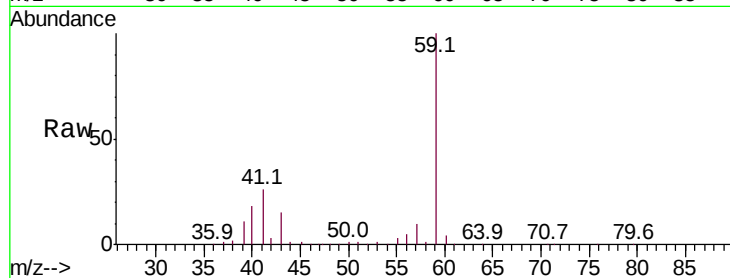
Tert butyl alcohol
Concen: 225.244 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX008354.D
Acq: 23 Mar 2019 16:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.2	12.2

Manual Integrations
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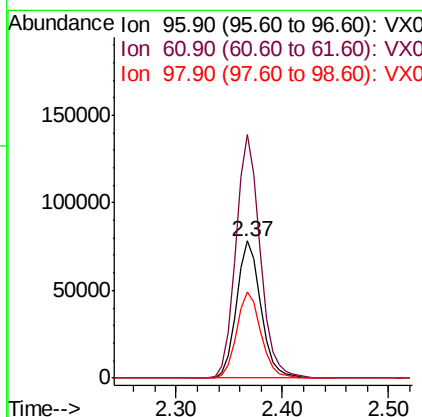
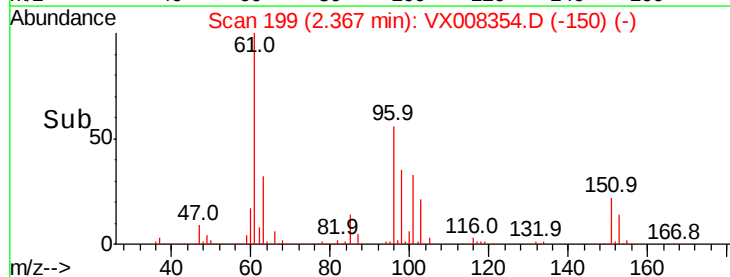
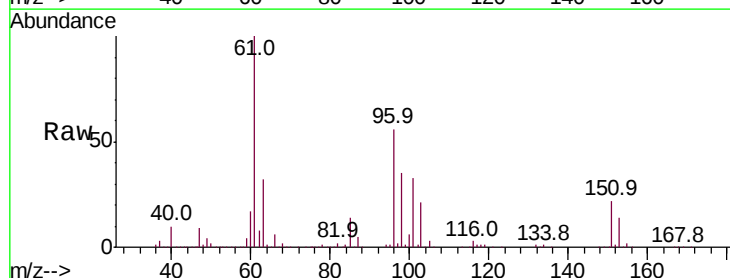
MMDadoda
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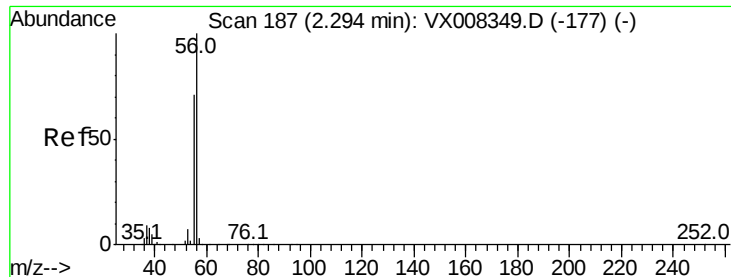


#12

1,1-Dichloroethene
Concen: 47.445 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.00 min
Lab File: VX008354.D
Acq: 23 Mar 2019 16:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	177.7	129.8	194.6
98	62.5	51.0	76.6





#13

Acrolein

Concen: 244.158 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008354.D

Acq: 23 Mar 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 164926

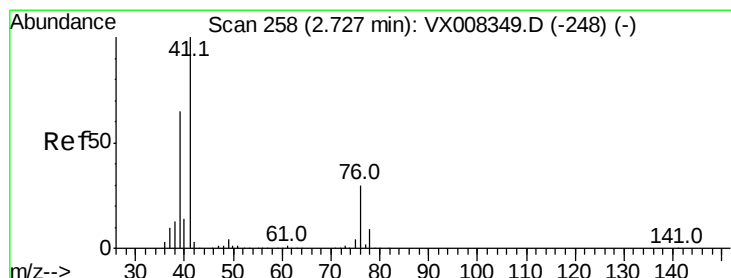
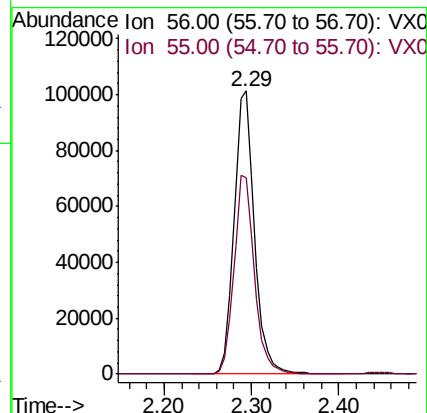
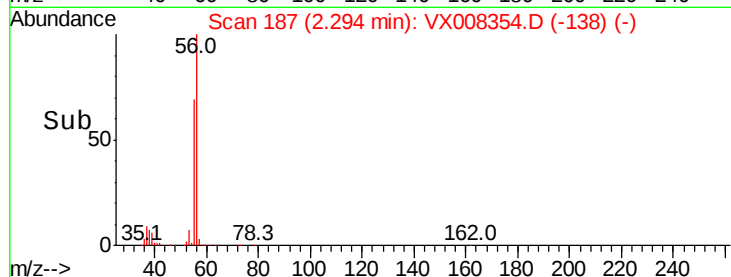
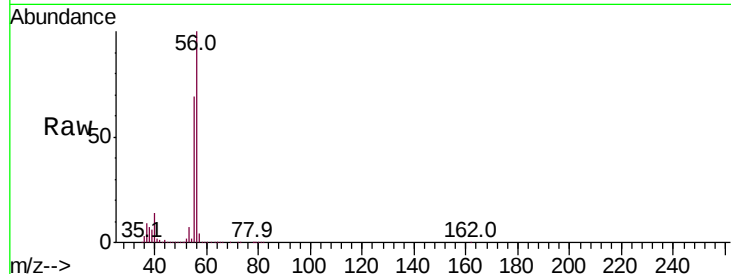
Ion Ratio Lower Upper

56 100

55 70.3 57.8 86.6

Manual Integrations
APPROVED

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#14

Allyl chloride

Concen: 47.123 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX008354.D

Acq: 23 Mar 2019 16:22

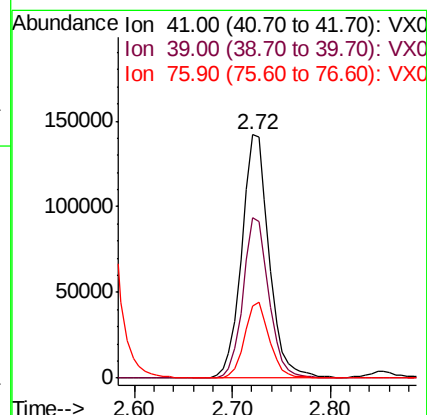
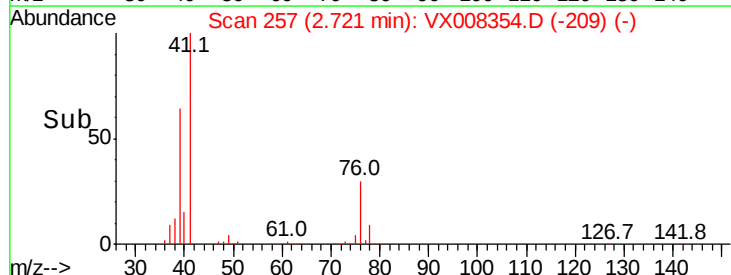
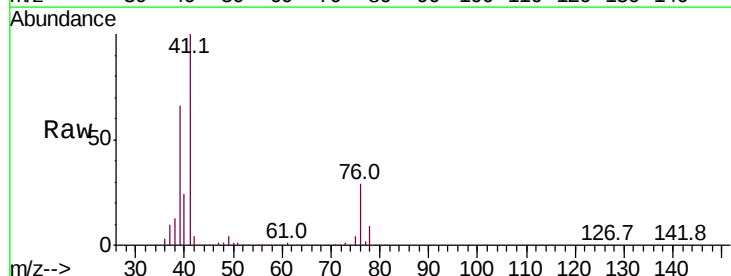
Tgt Ion: 41 Resp: 276281

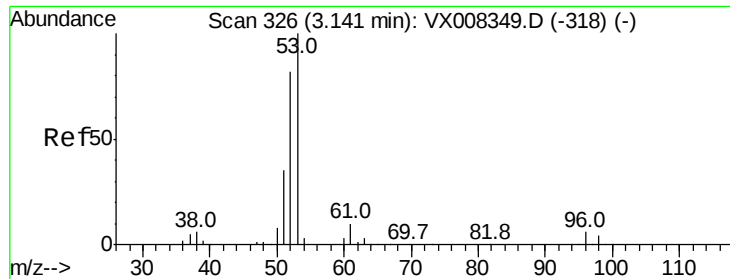
Ion Ratio Lower Upper

41 100

39 62.3 46.1 69.1

76 28.2 24.0 36.0





#15

Acrylonitrile

Concen: 230.190 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX008354.D

Acq: 23 Mar 2019 16:22

Instrument :

MSVOA_X

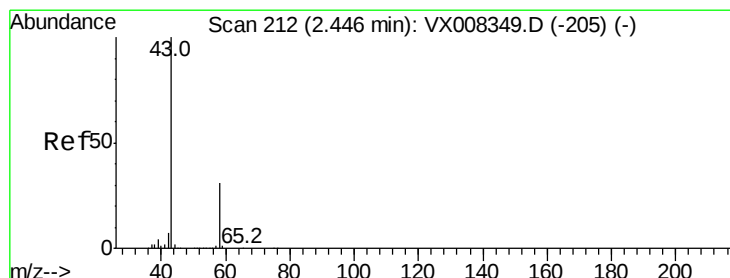
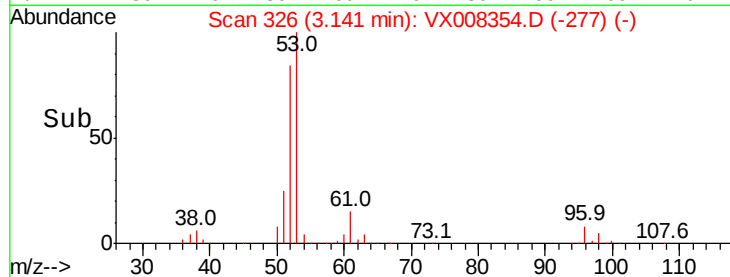
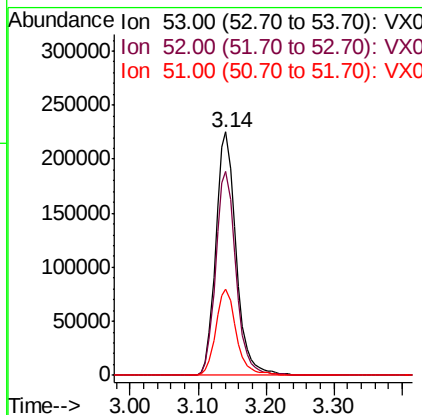
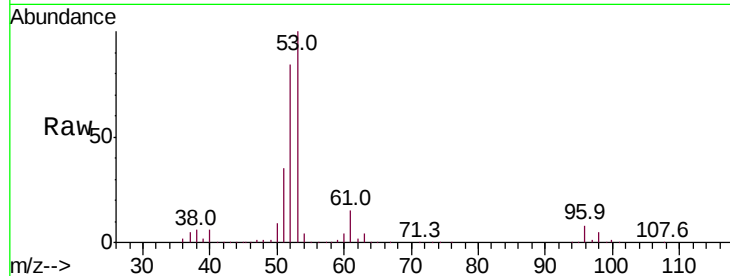
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	465974
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.0	99.0
51	35.7	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 230.243 ug/l

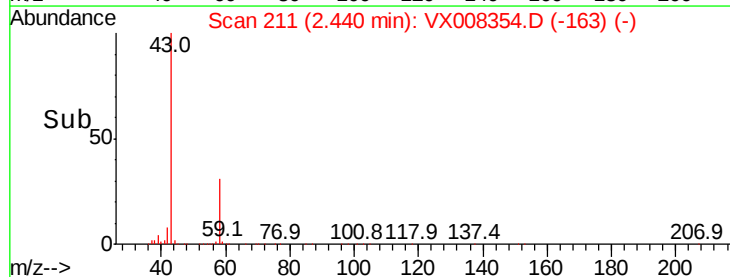
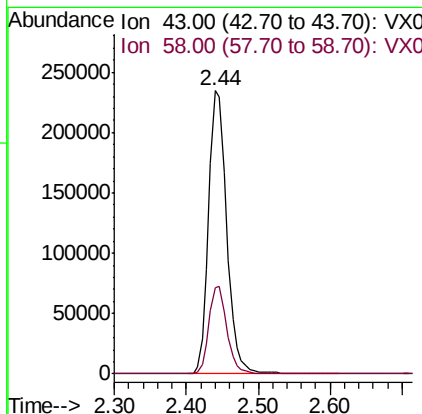
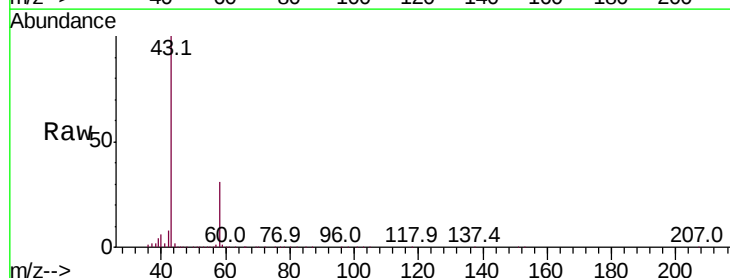
RT: 2.44 min Scan# 211

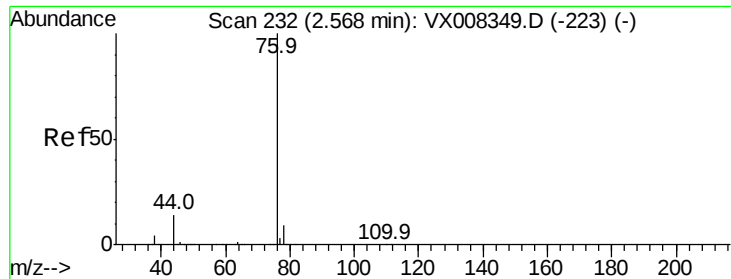
Delta R.T. -0.01 min

Lab File: VX008354.D

Acq: 23 Mar 2019 16:22

Tgt Ion:	43	Resp:	408426
Ion	Ratio	Lower	Upper
43	100		
58	30.5	25.5	38.3





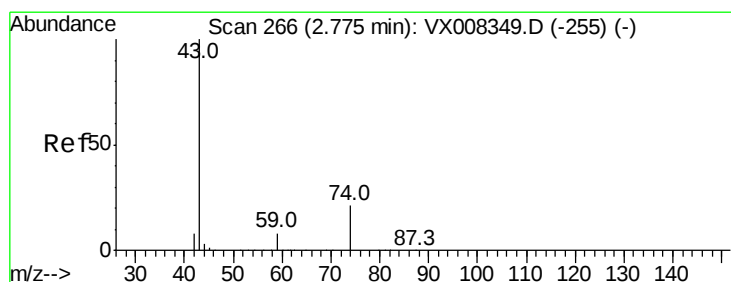
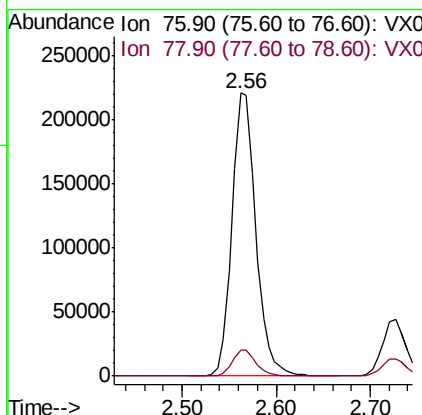
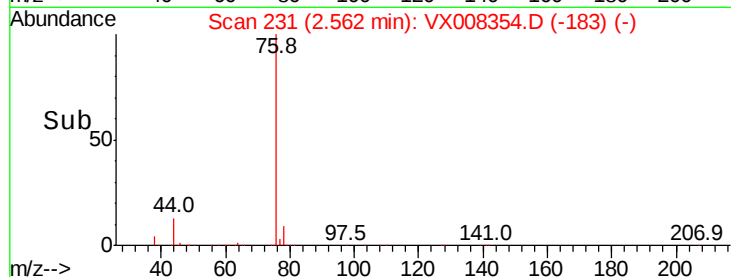
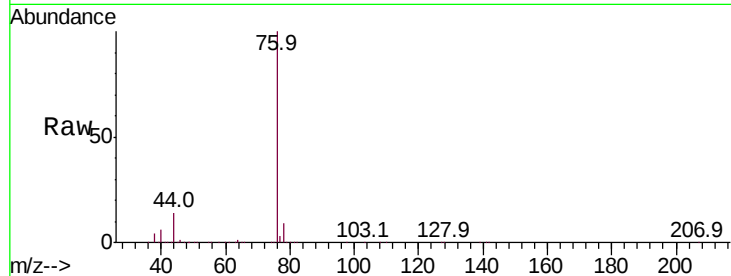
#17
Carbon Disulfide
Concen: 45.919 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX008354.D
Acq: 23 Mar 2019 16:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8

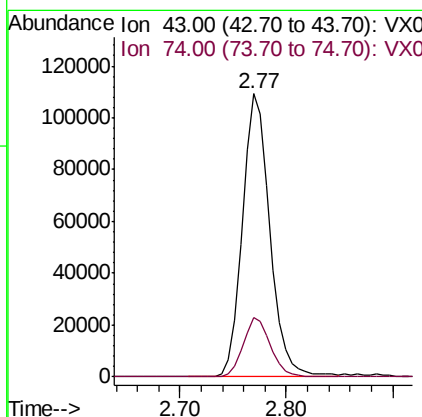
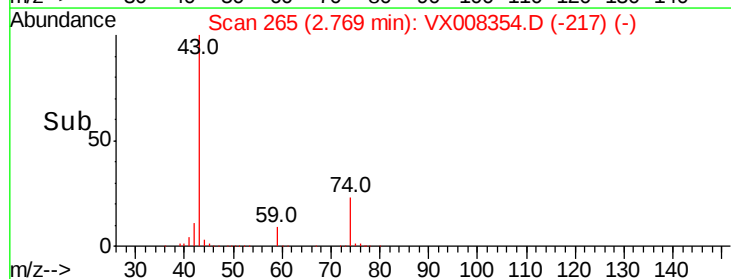
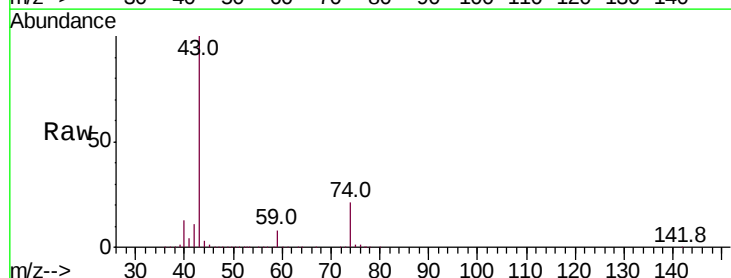
Manual Integrations
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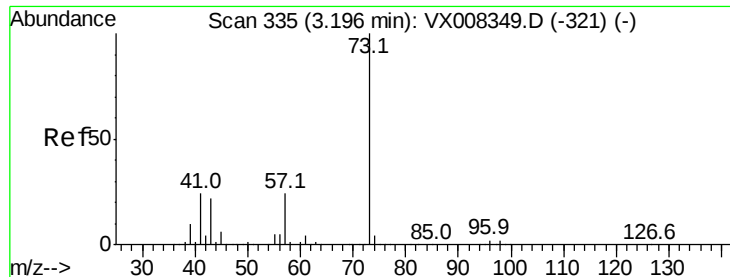
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#18
Methyl Acetate
Concen: 44.524 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX008354.D
Acq: 23 Mar 2019 16:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.3	17.8	26.6





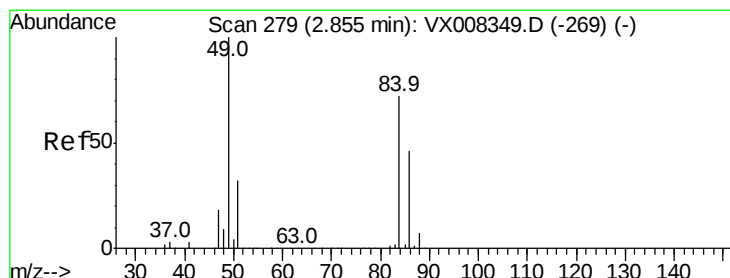
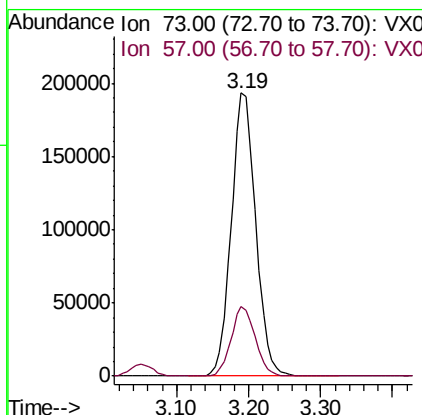
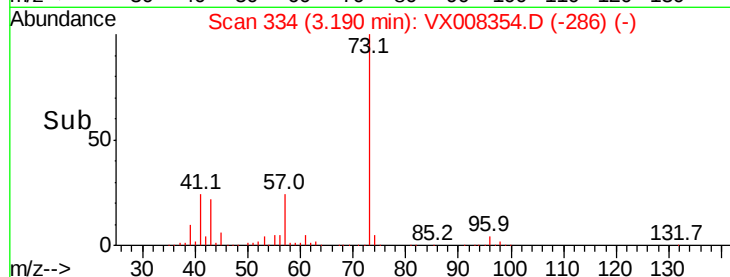
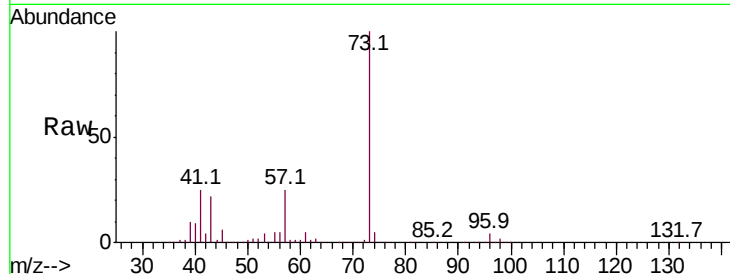
#19
Methvl tert-butvl Ether
Concen: 47.804 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX008354.D
Acq: 23 Mar 2019 16:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 456296
Ion Ratio Lower Upper
73 100
57 24.5 18.2 27.4

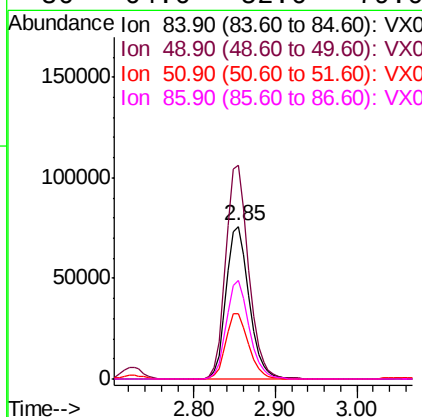
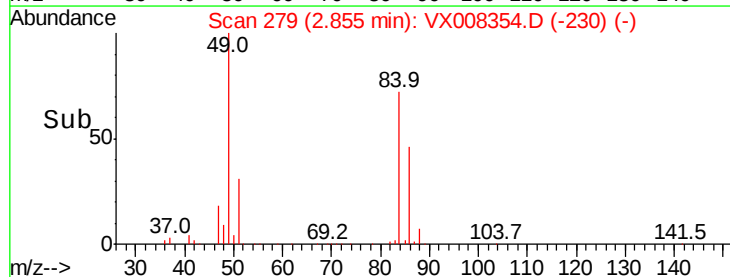
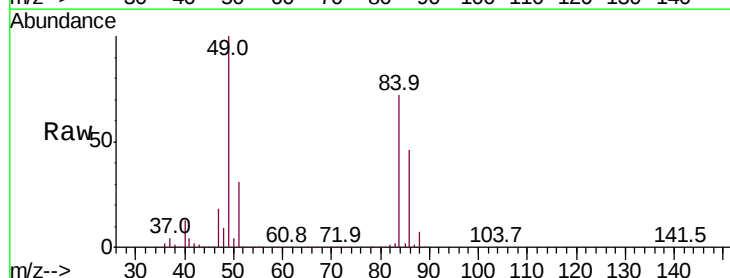
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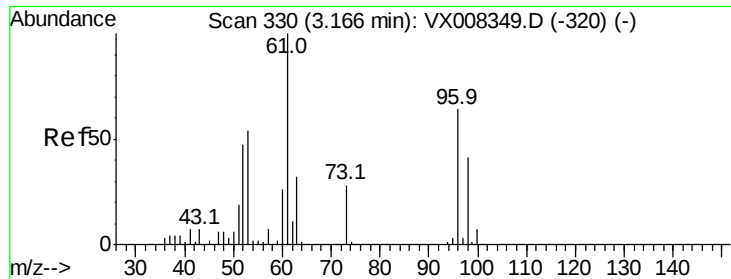
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#20
Methylene Chloride
Concen: 46.138 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX008354.D
Acq: 23 Mar 2019 16:22

Tgt Ion: 84 Resp: 147337
Ion Ratio Lower Upper
84 100
49 139.5 99.3 148.9
51 42.7 31.3 46.9
86 64.6 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 46.243 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX008354.D

Acq: 23 Mar 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 132702

Ion Ratio Lower Upper

96 100

61 159.2 114.4 171.6

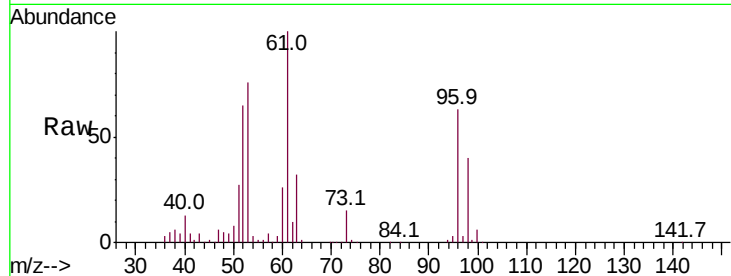
98 63.8 51.1 76.7

Manual Integrations

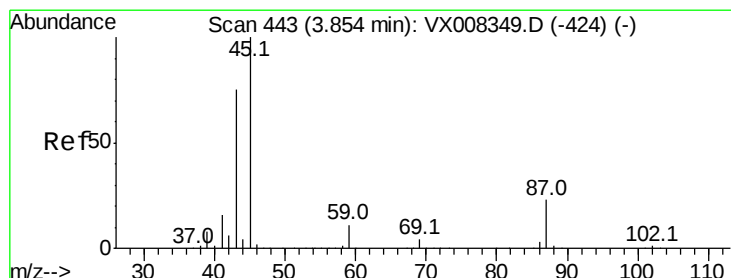
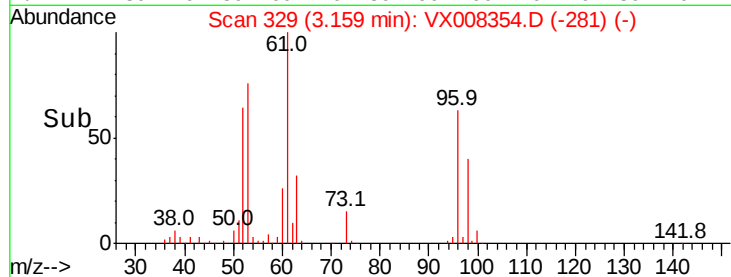
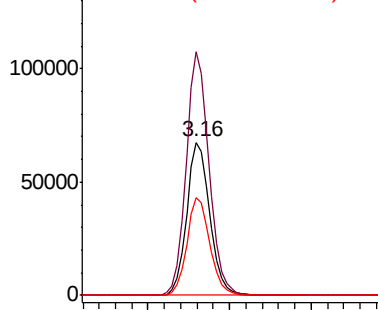
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Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 47.922 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX008354.D

Acq: 23 Mar 2019 16:22

Tgt Ion: 45 Resp: 547055

Ion Ratio Lower Upper

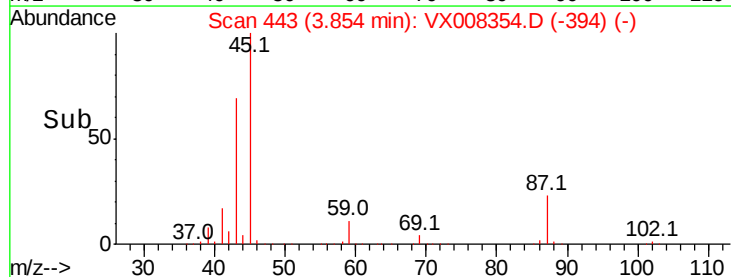
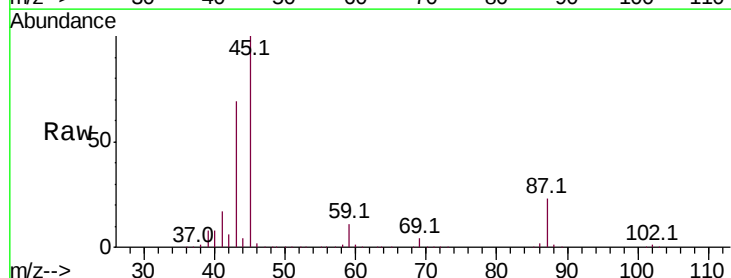
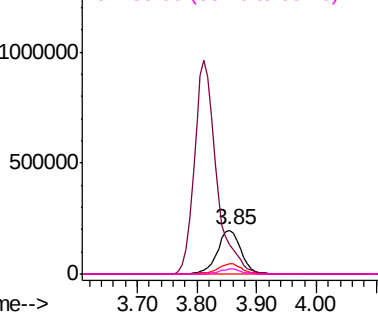
45 100

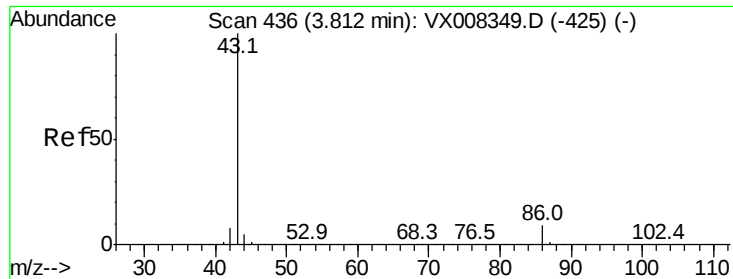
43 68.9 45.3 67.9#

87 23.2 21.4 32.0

59 11.3 9.5 14.3

Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 244.781 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX008354.D

Acq: 23 Mar 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2467117

Ion Ratio Lower Upper

43 100

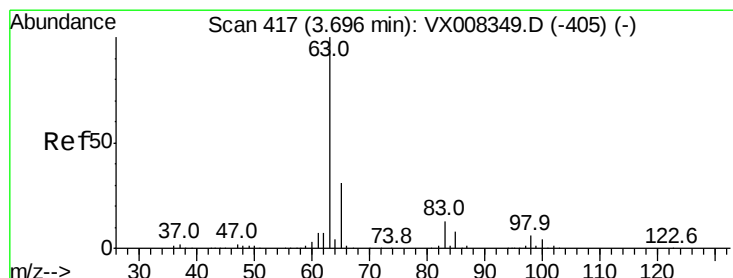
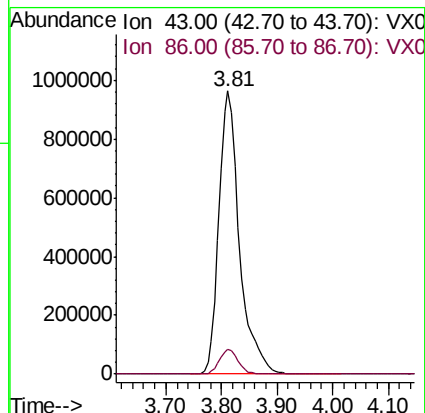
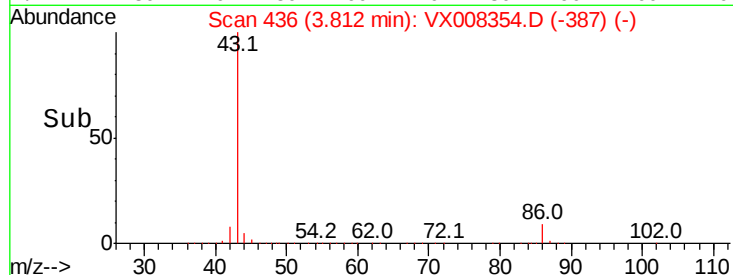
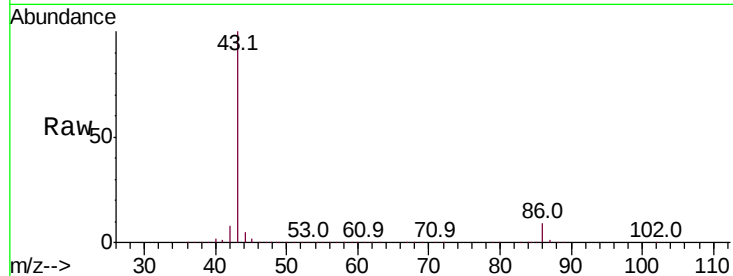
86 8.7 7.9 11.9

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 47.455 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX008354.D

Acq: 23 Mar 2019 16:22

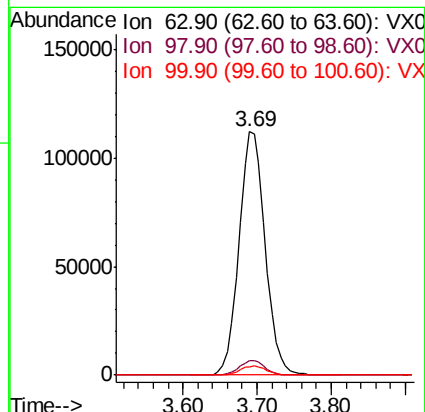
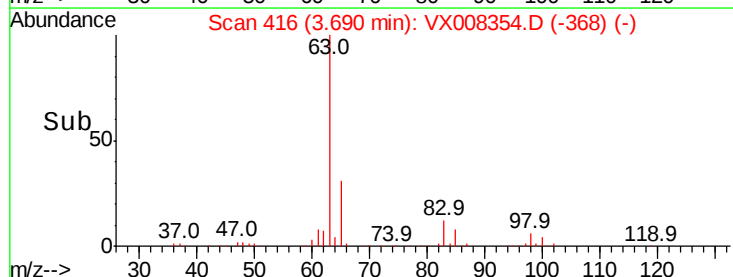
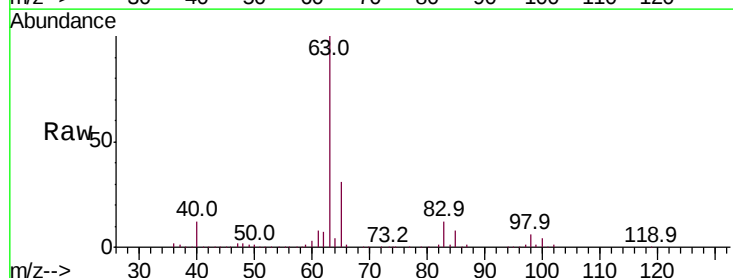
Tgt Ion: 63 Resp: 276196

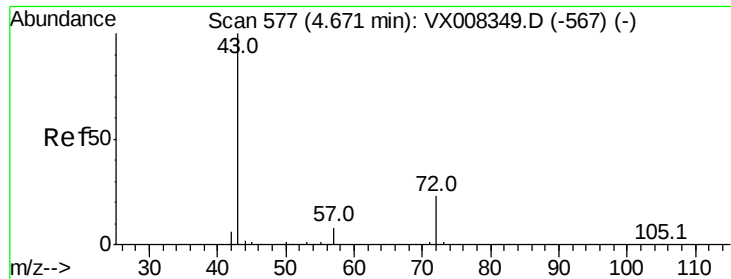
Ion Ratio Lower Upper

63 100

98 5.9 3.3 9.8

100 3.6 2.3 6.8





#25

2-Butanone

Concen: 234.334 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX008354.D

Acq: 23 Mar 2019 16:22

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 684468

Ion Ratio Lower Upper

43 100

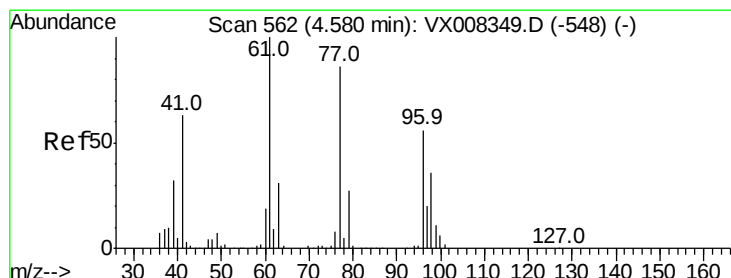
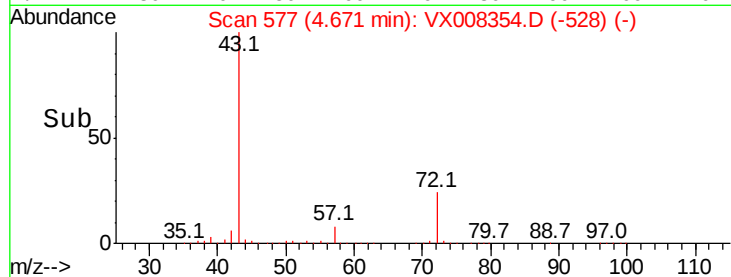
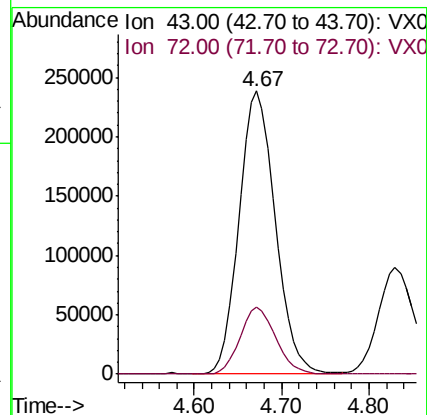
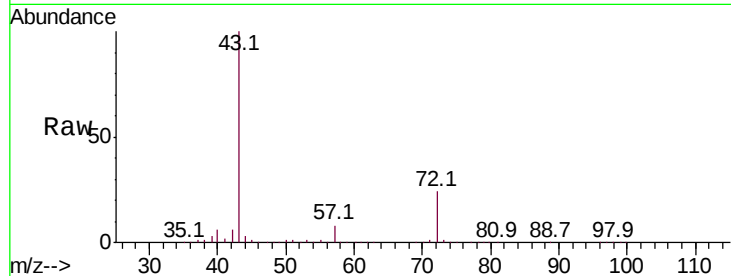
72 23.5 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.029 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX008354.D

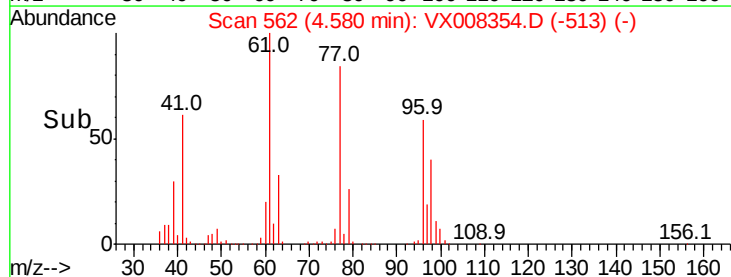
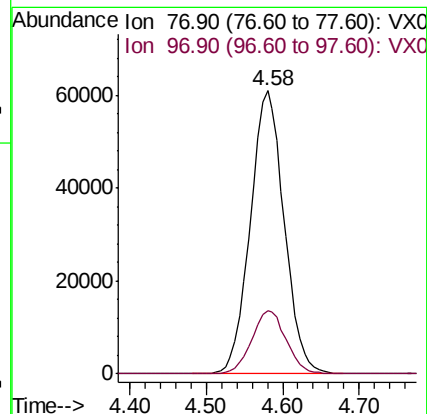
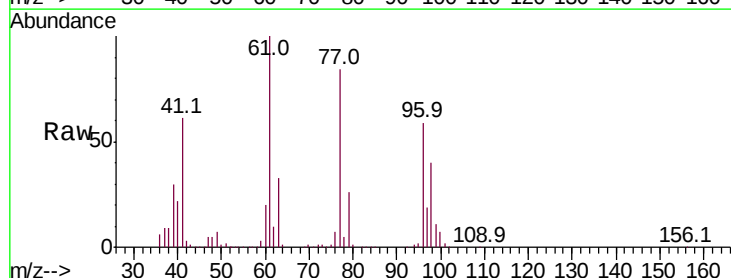
Acq: 23 Mar 2019 16:22

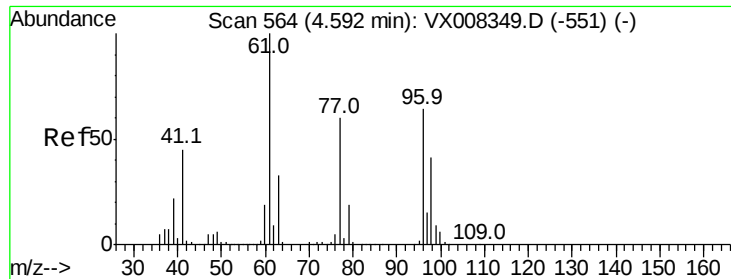
Tgt Ion: 77 Resp: 187597

Ion Ratio Lower Upper

77 100

97 22.7 12.2 36.6





#27

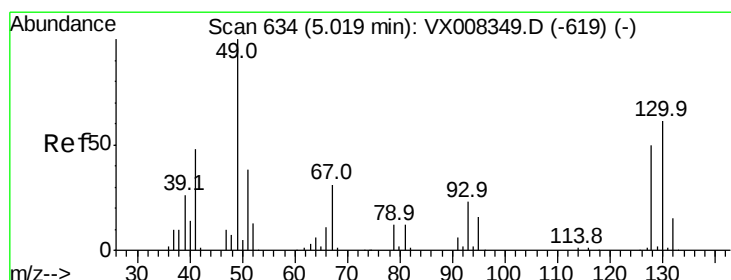
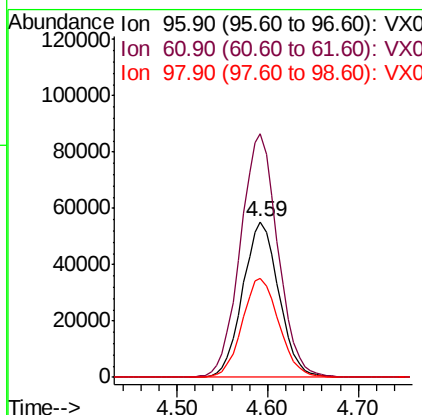
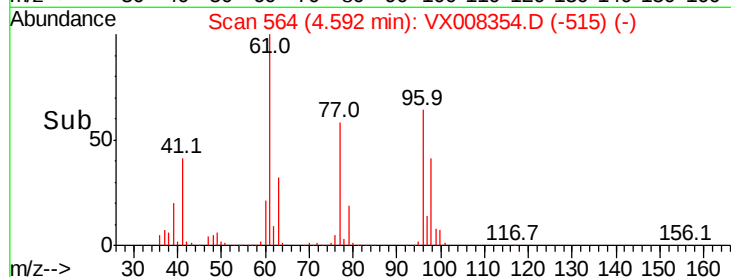
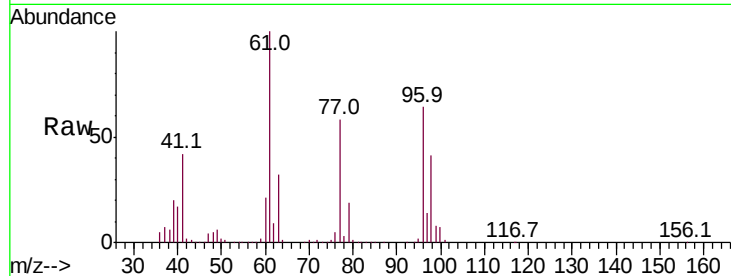
cis-1,2-Dichloroethene
 Concen: 46.472 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.00 min
 Lab File: VX008354.D
 Acq: 23 Mar 2019 16:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.2	0.0	288.0
98	64.8	0.0	129.0

Manual Integrations
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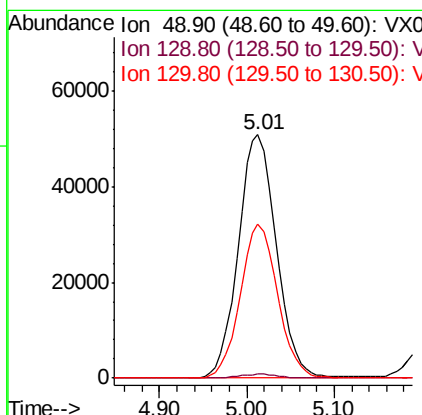
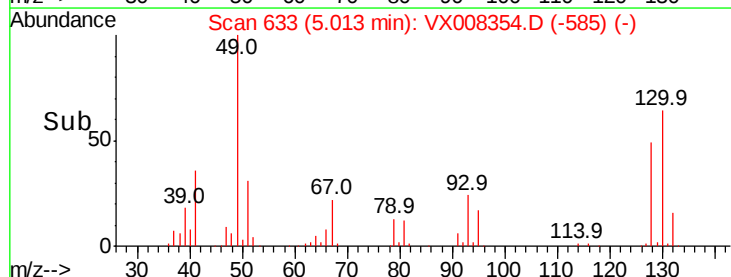
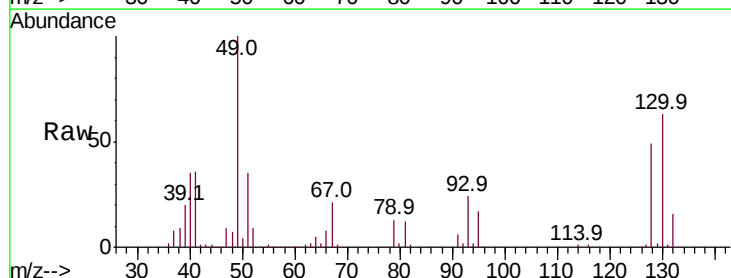
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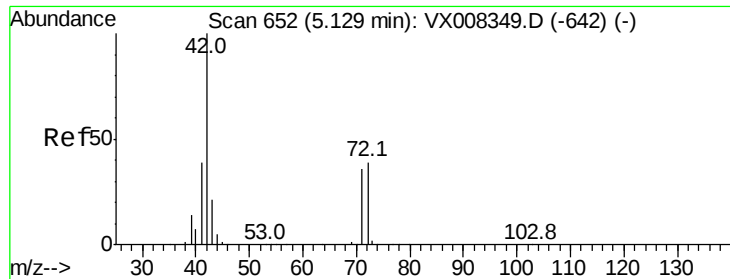


#28

Bromochloromethane
 Concen: 52.741 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX008354.D
 Acq: 23 Mar 2019 16:22

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	4.0
130	62.3	65.0	97.4#





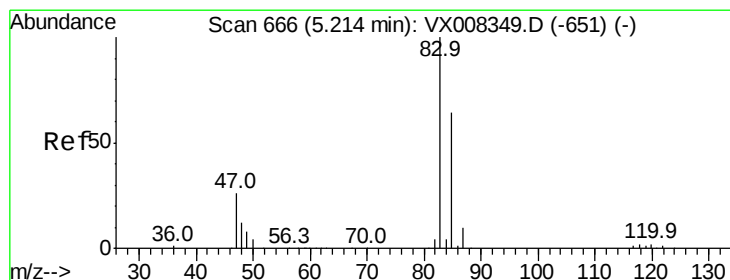
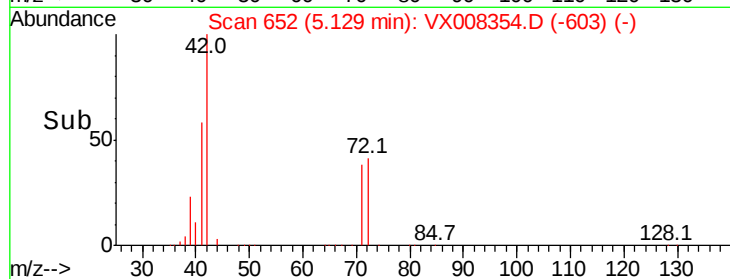
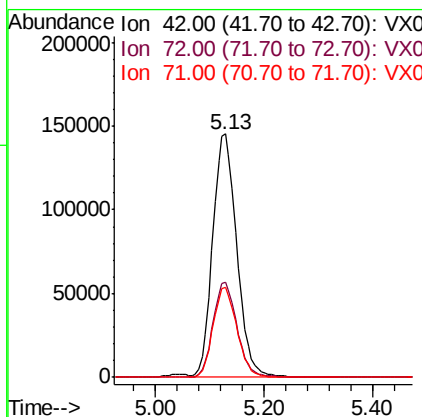
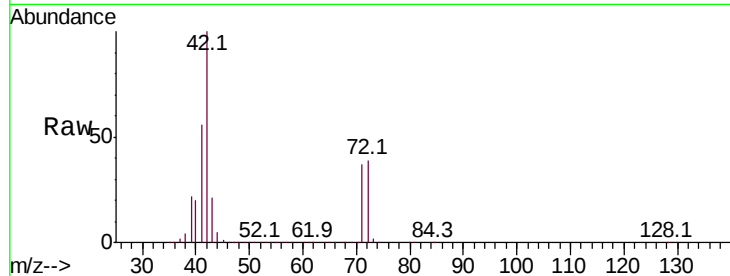
#29
Tetrahydrofuran
Concen: 228.828 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX008354.D
Acq: 23 Mar 2019 16:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.3	33.8	50.6
71	36.9	31.5	47.3

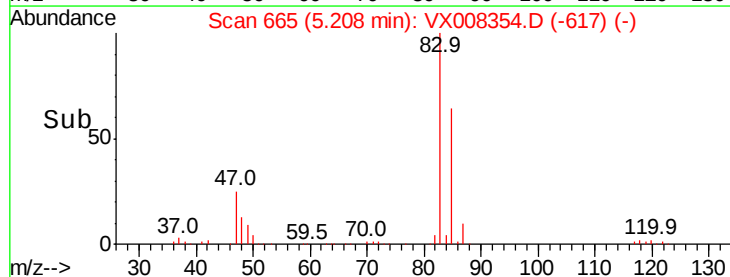
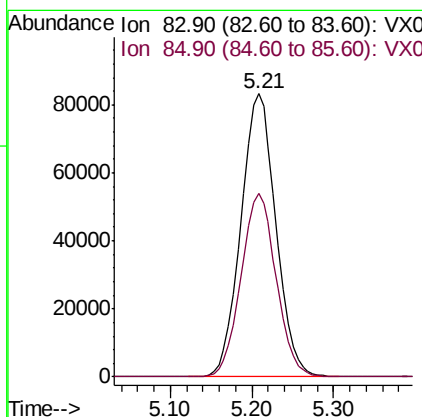
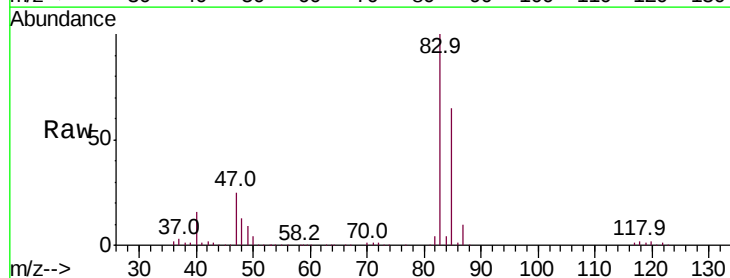
Manual Integrations
APPROVED

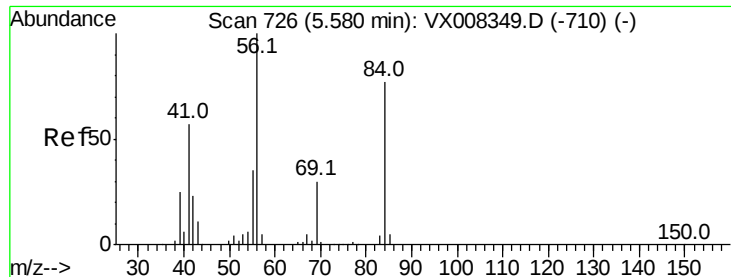
MMDadoda
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#30
Chloroform
Concen: 47.221 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX008354.D
Acq: 23 Mar 2019 16:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6





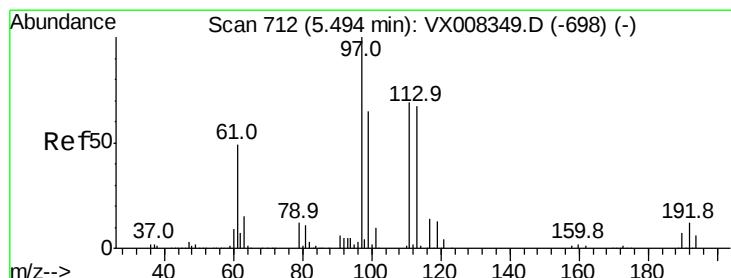
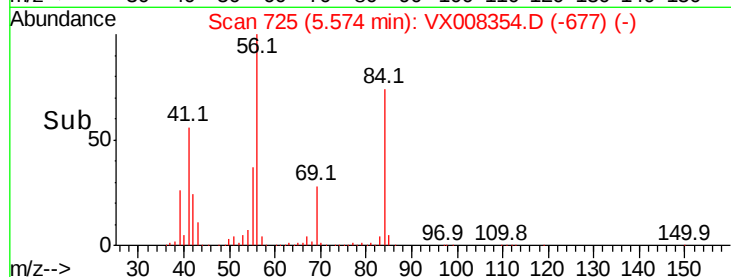
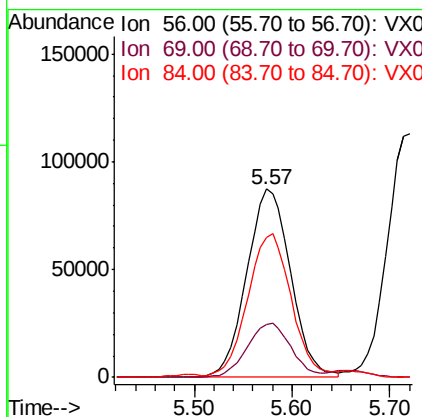
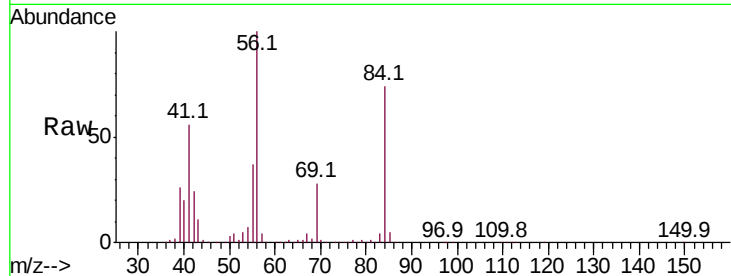
#31
Cyclohexane
Concen: 48.622 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX008354.D
Acq: 23 Mar 2019 16:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.5	24.0	36.0
84	72.8	65.3	97.9

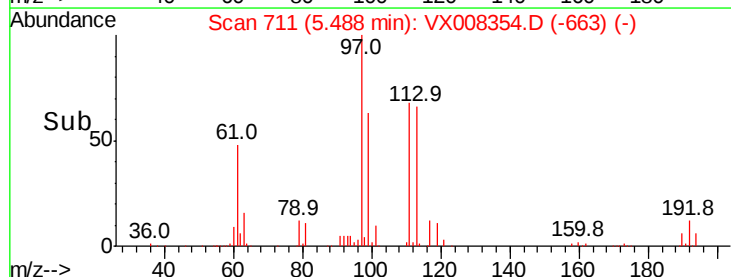
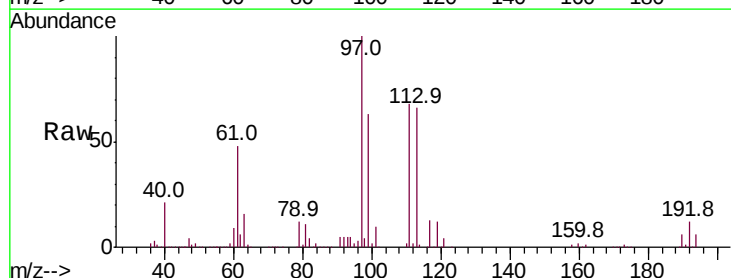
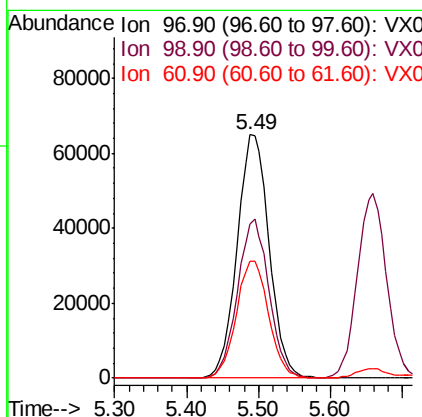
Manual Integrations
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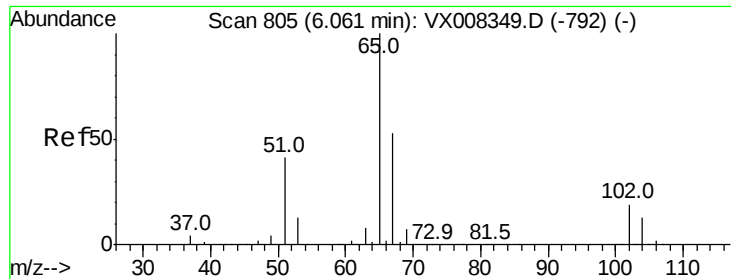
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#32
1,1,1-Trichloroethane
Concen: 48.351 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.01 min
Lab File: VX008354.D
Acq: 23 Mar 2019 16:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.2	78.2
61	48.8	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 49.815 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008354.D

Acq: 23 Mar 2019 16:22

Tot Ion: 65 Resp: 176788

Ion Ratio Lower Upper

65 100

67 54.0 0.0 110.0

Instrument :

MSVOA_X

ClientSampleId :

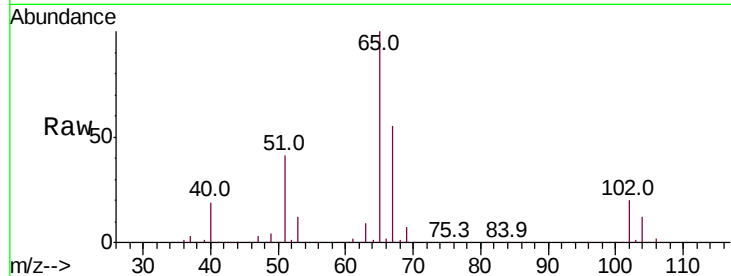
VSTDCCC050

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

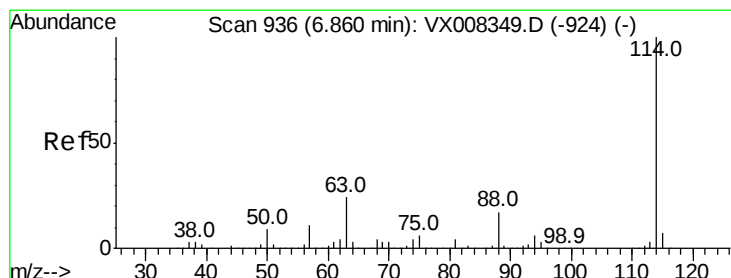
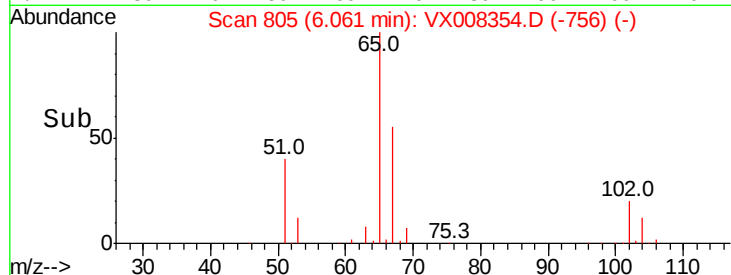
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX008354.D

Acq: 23 Mar 2019 16:22

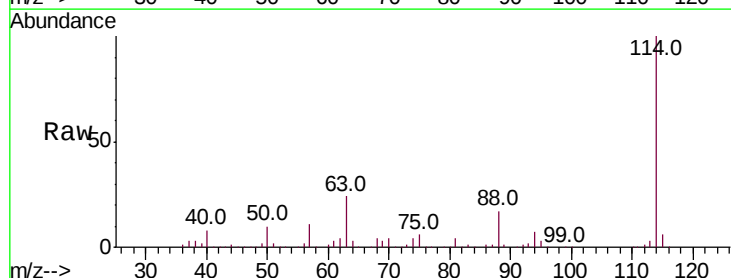
Tgt Ion: 114 Resp: 393131

Ion Ratio Lower Upper

114 100

63 24.1 0.0 39.8

88 17.3 0.0 31.4



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

6.85

200000

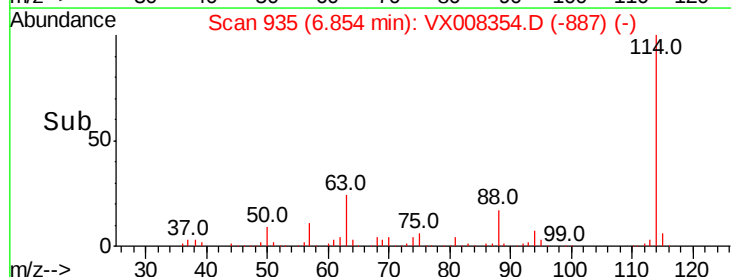
150000

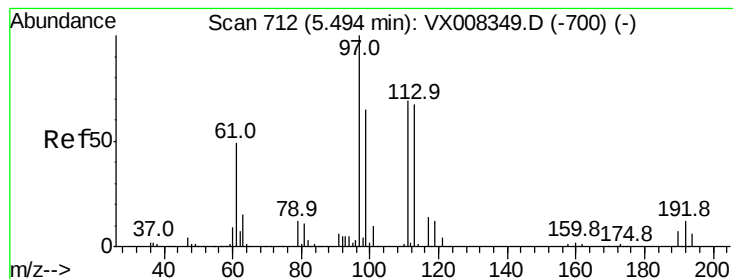
100000

50000

0

Time-->





#35

Dibromofluoromethane

Concen: 51.071 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX008354.D

Acq: 23 Mar 2019 16:22

Instrument :

MSVOA_X

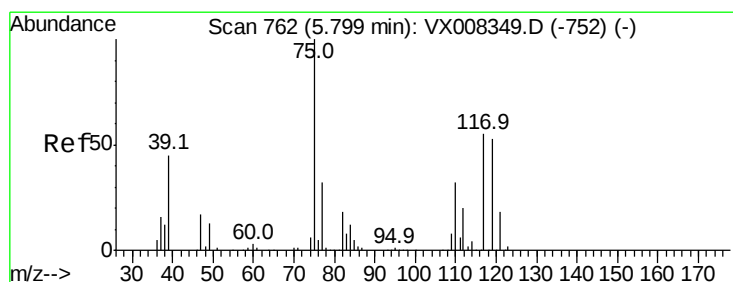
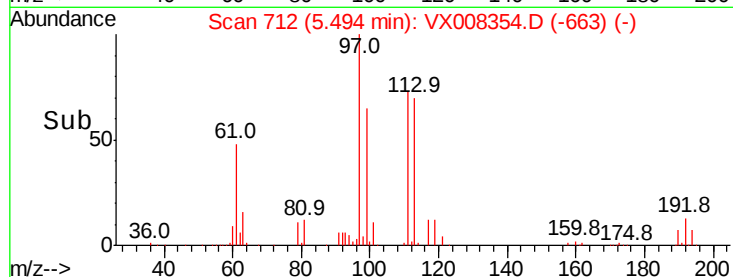
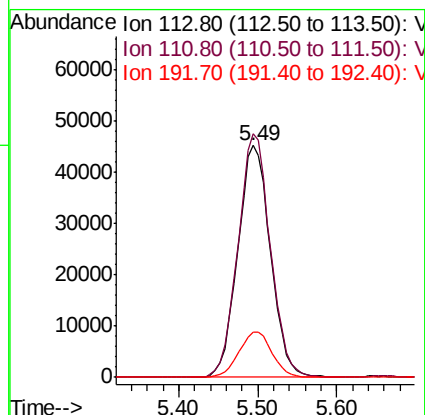
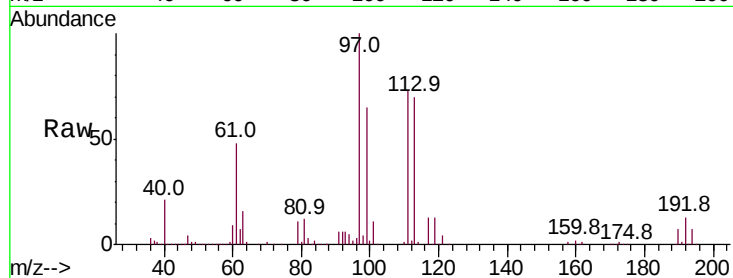
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	130081
Ion Ratio	Lower	Upper	
113	100		
111	104.0	81.4	122.0
192	19.9	19.4	29.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 49.479 ug/l

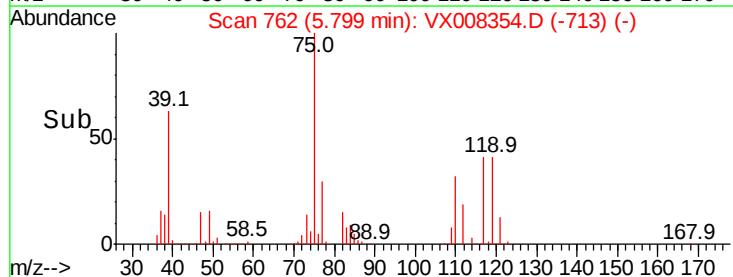
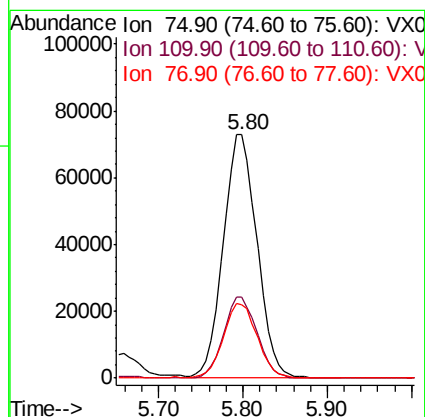
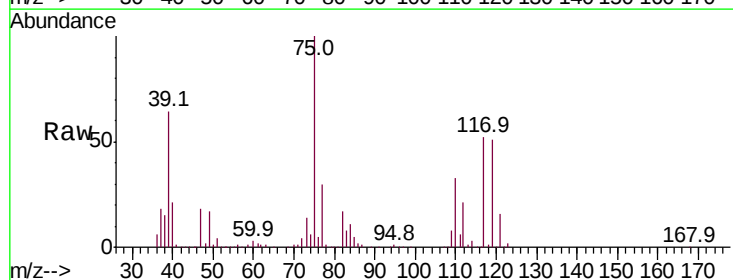
RT: 5.80 min Scan# 762

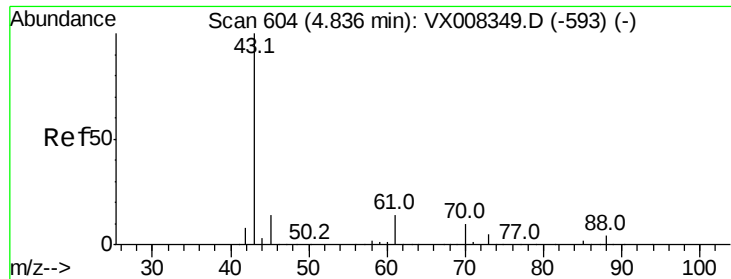
Delta R.T. -0.00 min

Lab File: VX008354.D

Acq: 23 Mar 2019 16:22

Tgt Ion:	75	Resp:	198767
Ion Ratio	Lower	Upper	
75	100		
110	33.0	18.4	55.0
77	30.9	25.0	37.4





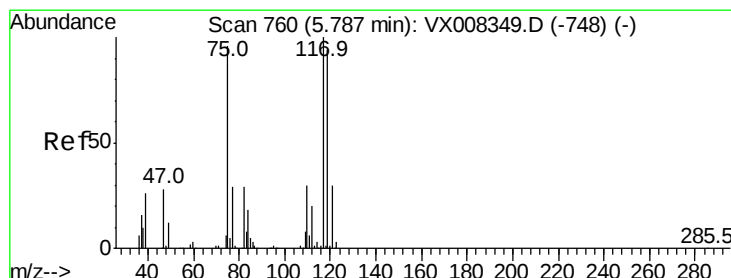
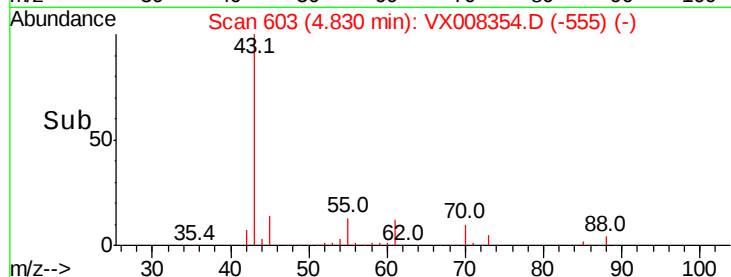
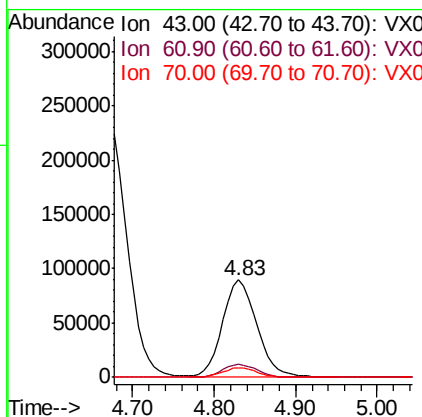
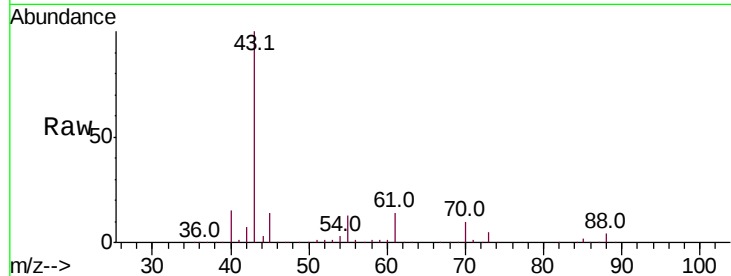
#37
Ethyl Acetate
Concen: 47.933 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX008354.D
Acq: 23 Mar 2019 16:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	260608
Ion Ratio	100	Lower	Upper
43	100		
61	13.3	11.3	16.9
70	9.9	8.5	12.7

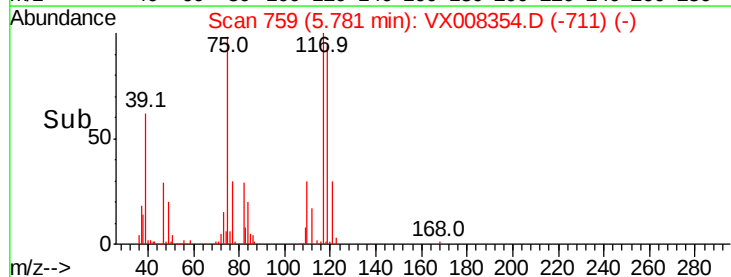
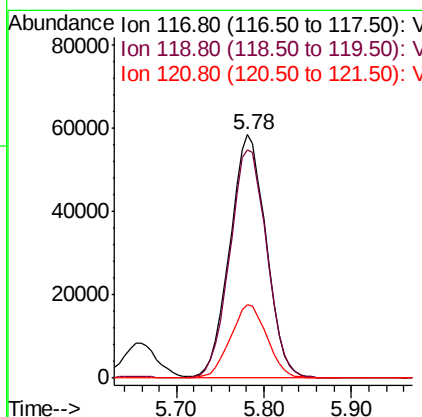
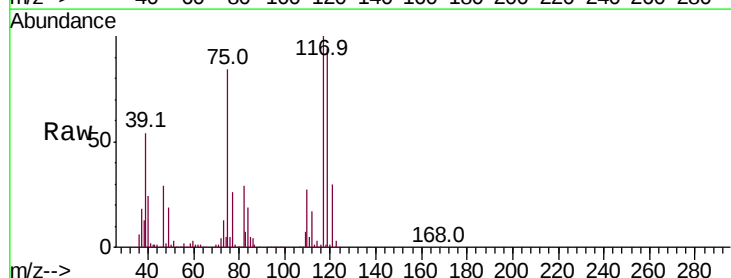
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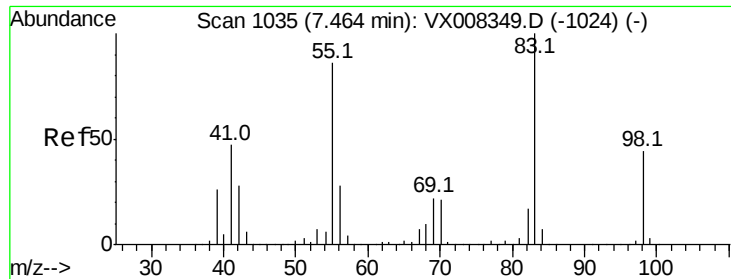
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#38
Carbon Tetrachloride
Concen: 49.018 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX008354.D
Acq: 23 Mar 2019 16:22

Tgt Ion	117	Resp	168797
Ion Ratio	100	Lower	Upper
117	100		
119	94.0	76.2	114.2
121	30.2	24.6	36.8





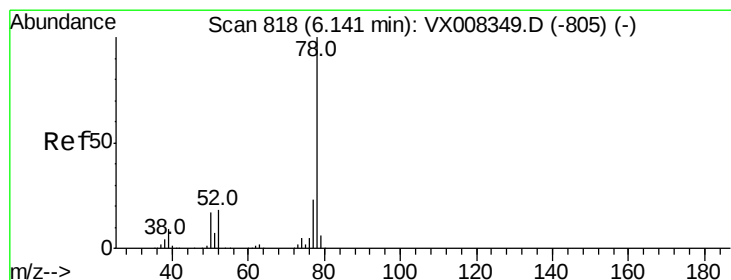
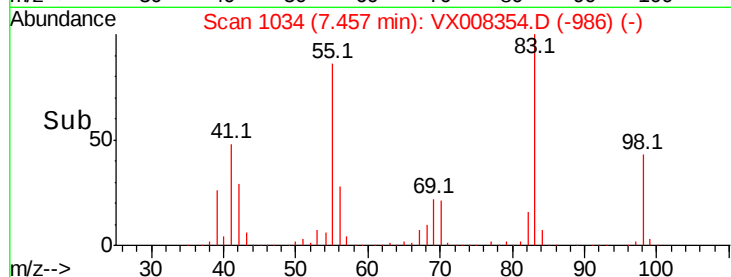
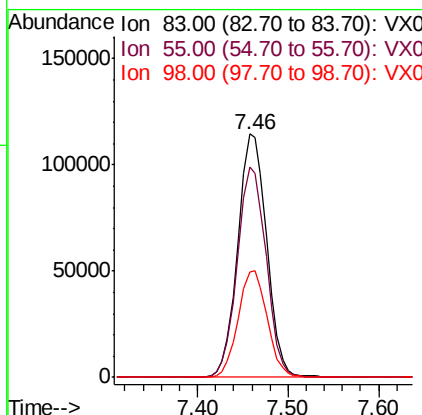
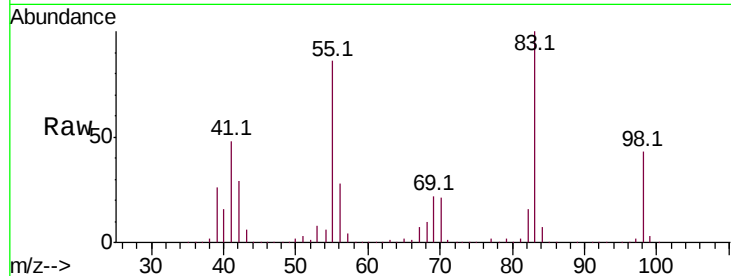
#39
Methvlcvclohexane
Concen: 51.421 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX008354.D
Acq: 23 Mar 2019 16:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	253201		
55	86.4	60.4	90.6	
98	43.3	36.5	54.7	

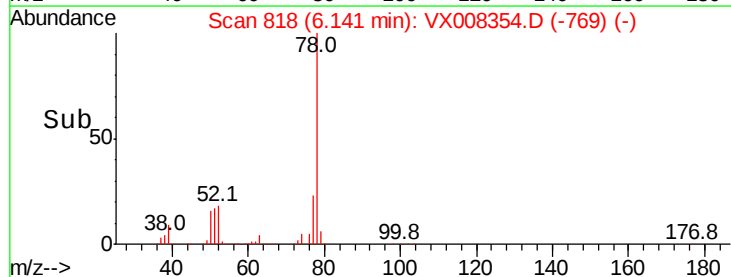
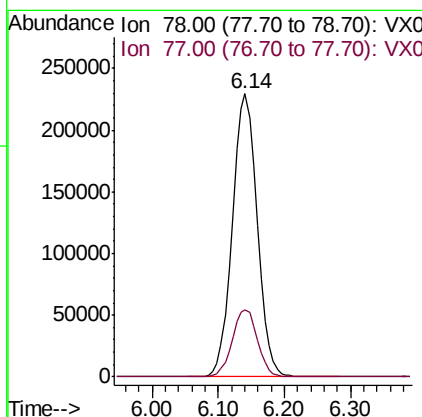
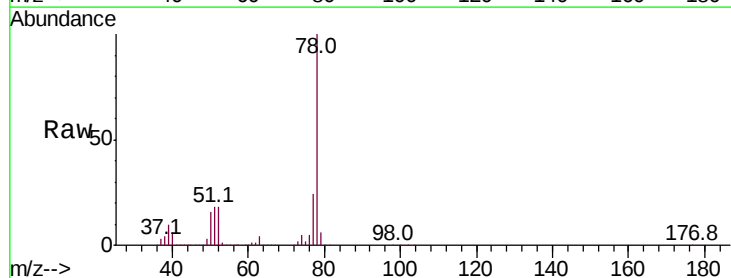
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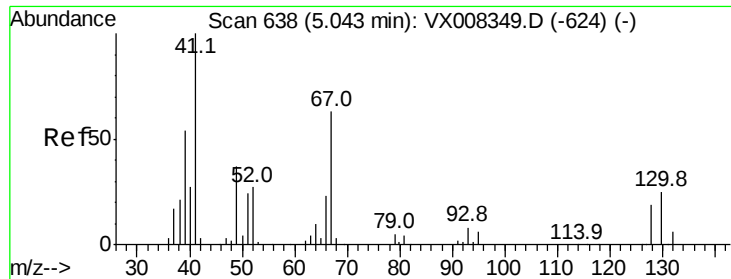
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#40
Benzene
Concen: 48.758 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX008354.D
Acq: 23 Mar 2019 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	596506		
77	23.8	19.0	28.4	





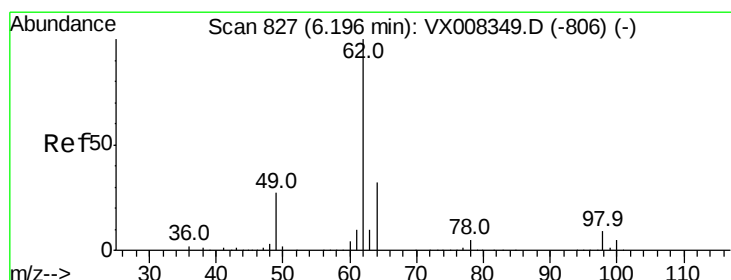
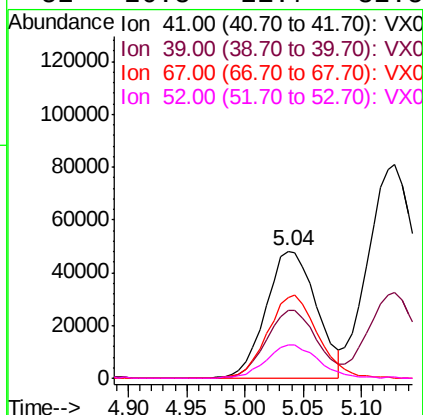
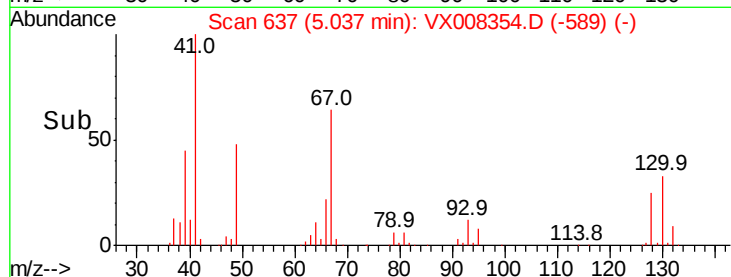
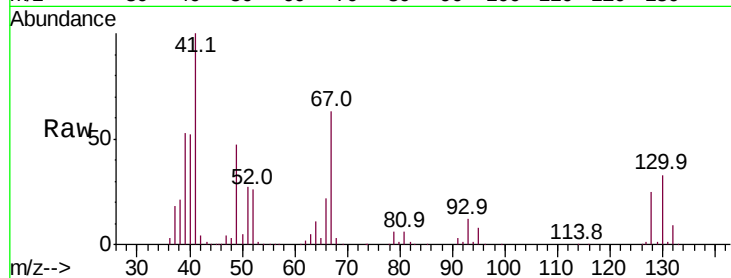
#41
Methacrylonitrile
Concen: 48.733 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX008354.D
Acq: 23 Mar 2019 16:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.3	41.6	62.4	
67	65.1	55.8	83.6	
52	26.8	21.7	32.5	

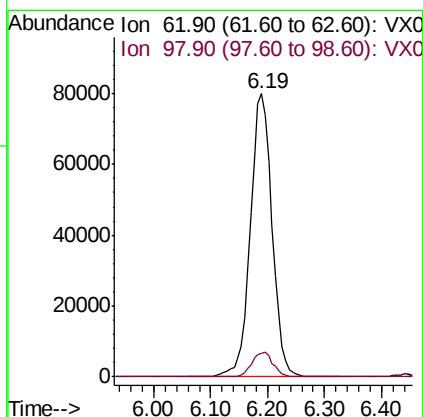
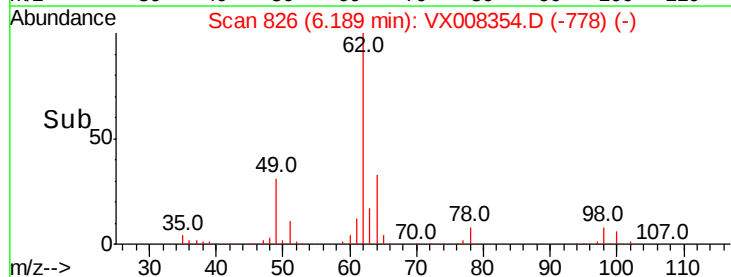
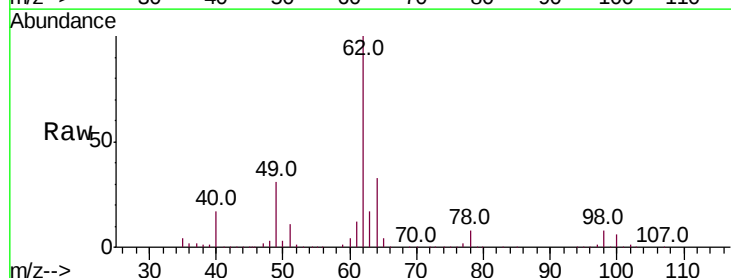
Manual Integrations
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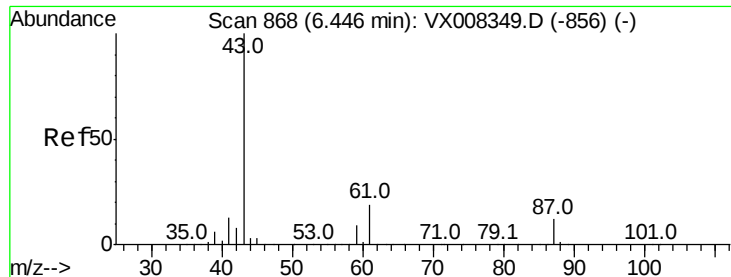
MMDadoda
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#42
1,2-Dichloroethane
Concen: 47.330 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX008354.D
Acq: 23 Mar 2019 16:22

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	0.0	20.4	





#43

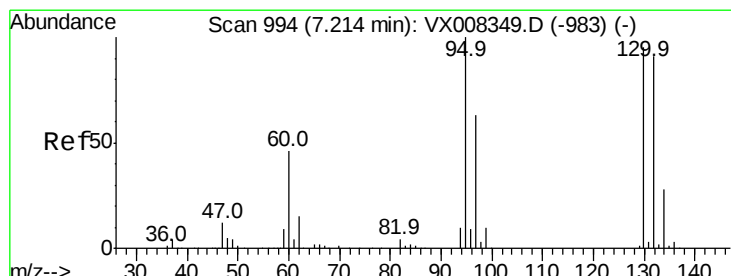
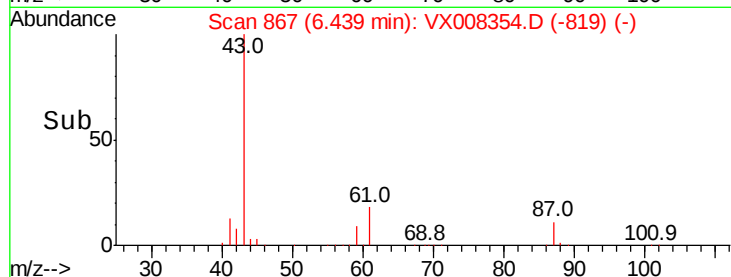
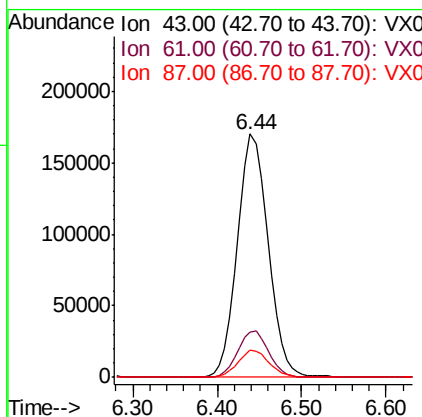
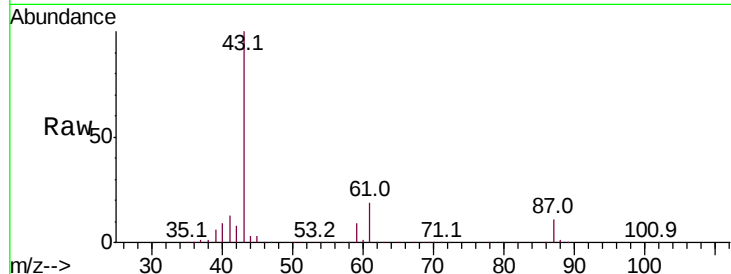
Isopropyl Acetate
 Concen: 49.608 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX008354.D
 Acq: 23 Mar 2019 16:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.4	16.3	24.5
87	11.4	10.5	15.7

Manual Integrations
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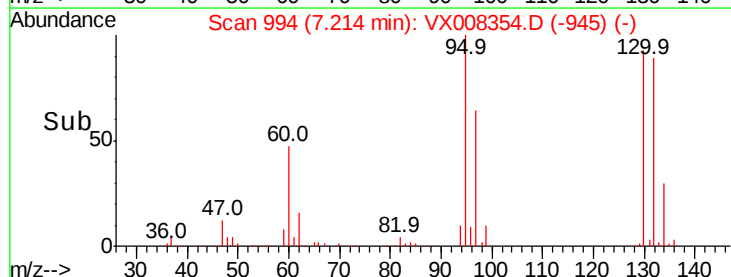
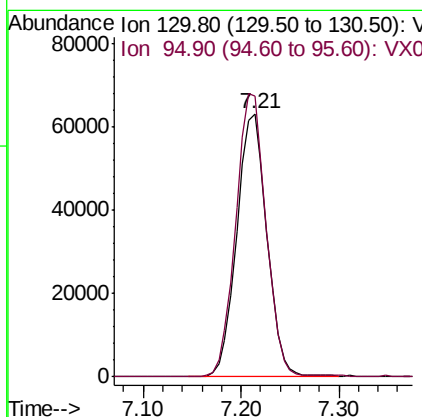
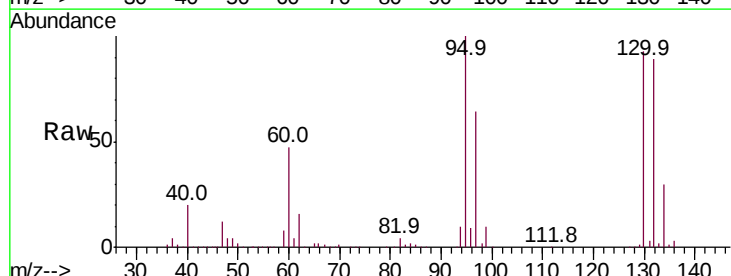
MMDadoda
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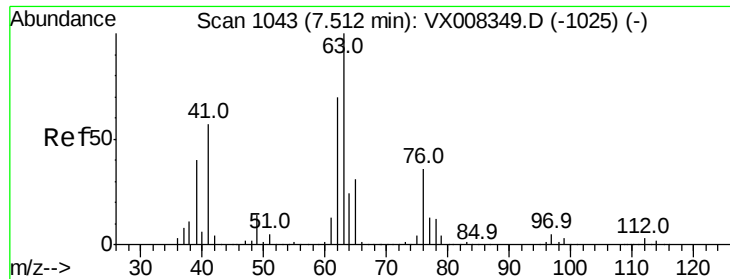


#44

Trichloroethene
 Concen: 47.711 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX008354.D
 Acq: 23 Mar 2019 16:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.0	0.0	188.0





#45

1,2-Dichloropropane

Concen: 49.002 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX008354.D

Acq: 23 Mar 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 169717

Ion Ratio Lower Upper

63 100

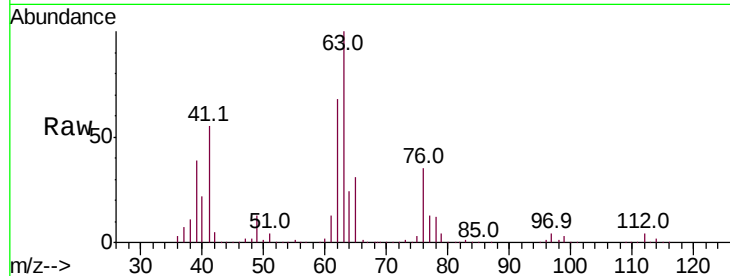
65 31.5 24.7 37.1

Manual Integrations

APPROVED

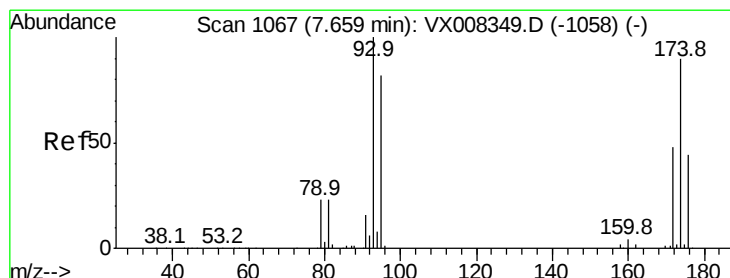
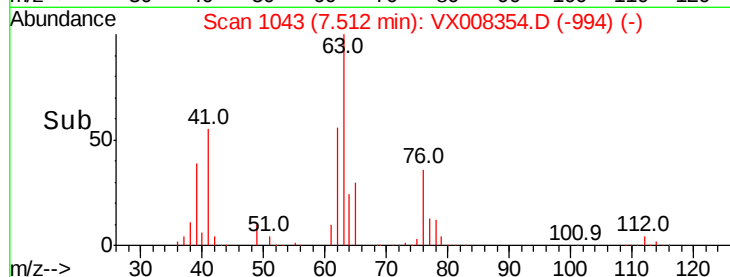
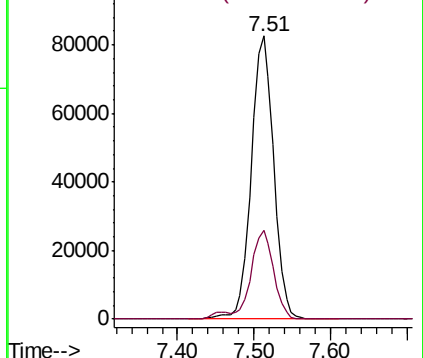
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 47.277 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX008354.D

Acq: 23 Mar 2019 16:22

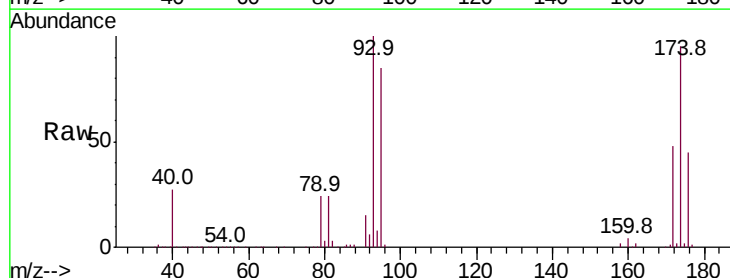
Tgt Ion: 93 Resp: 97174

Ion Ratio Lower Upper

93 100

95 83.8 66.8 100.2

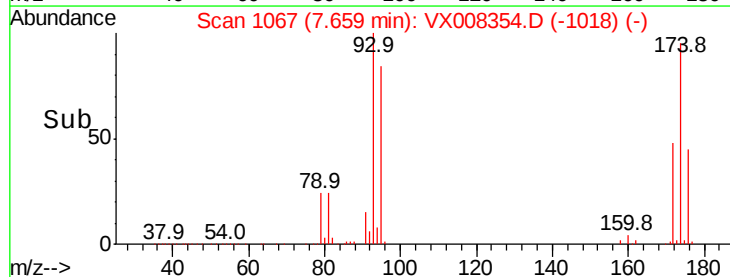
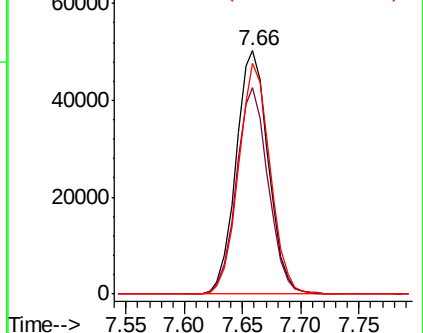
174 93.3 97.3 145.9#

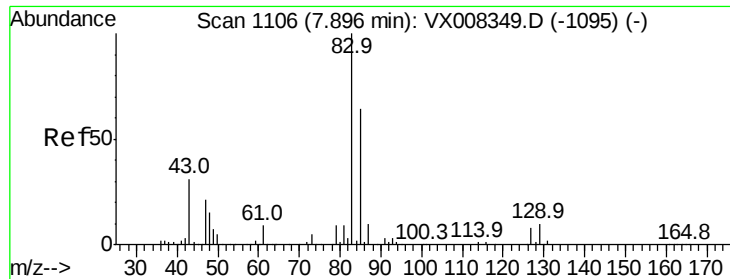


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 49.286 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008354.D

Acq: 23 Mar 2019 16:22

Instrument :

MSVOA_X

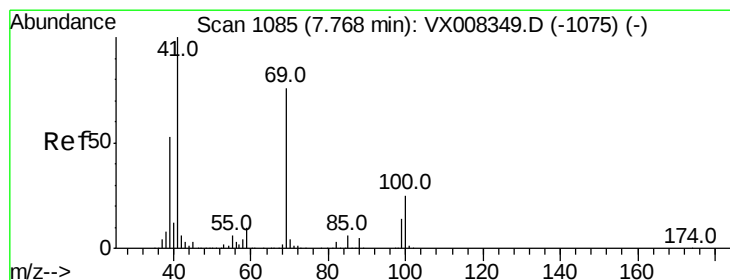
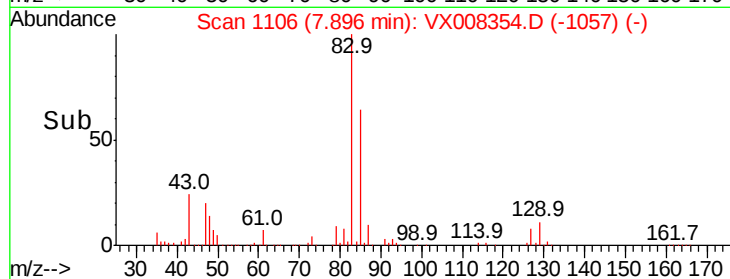
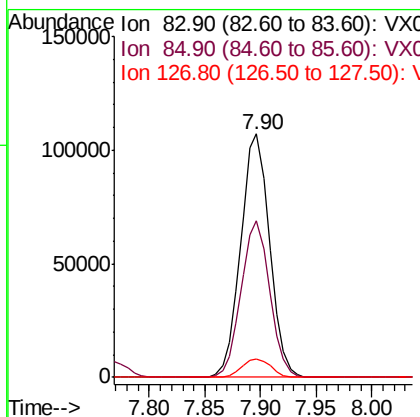
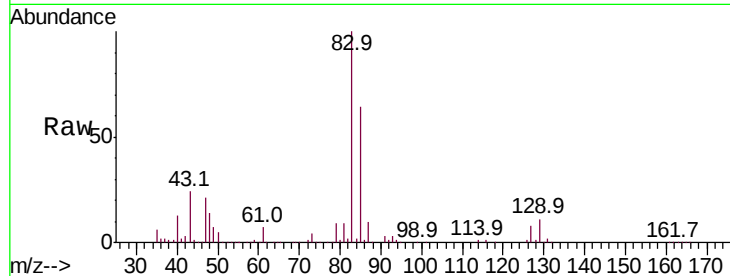
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	193225
Ion Ratio	Lower	Upper	
83	100		
85	64.4	50.9	76.3
127	7.8	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.885 ug/l

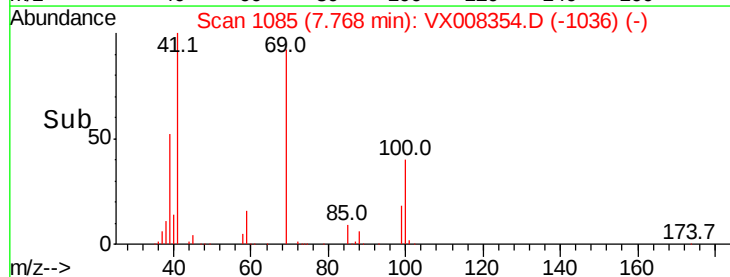
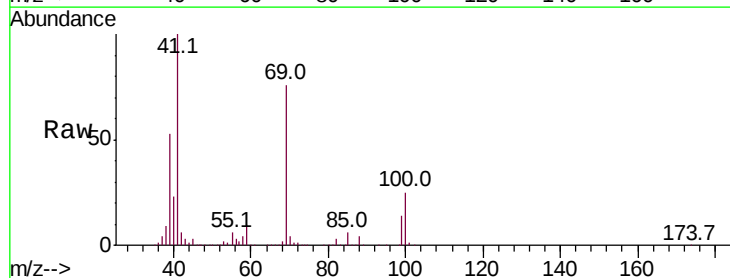
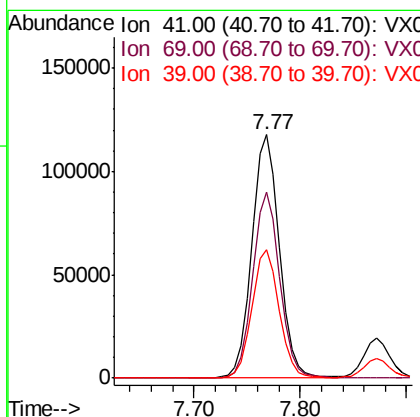
RT: 7.77 min Scan# 1085

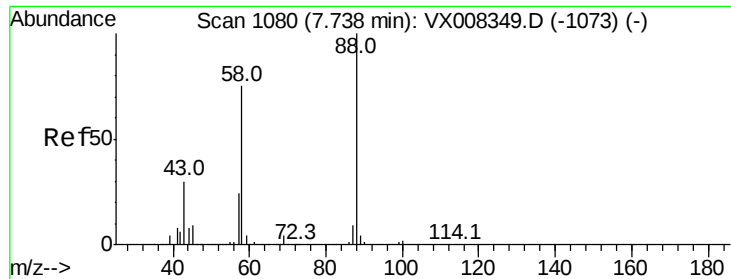
Delta R.T. -0.00 min

Lab File: VX008354.D

Acq: 23 Mar 2019 16:22

Tgt Ion:	41	Resp:	213109
Ion Ratio	Lower	Upper	
41	100		
69	75.2	65.2	97.8
39	52.4	39.4	59.2





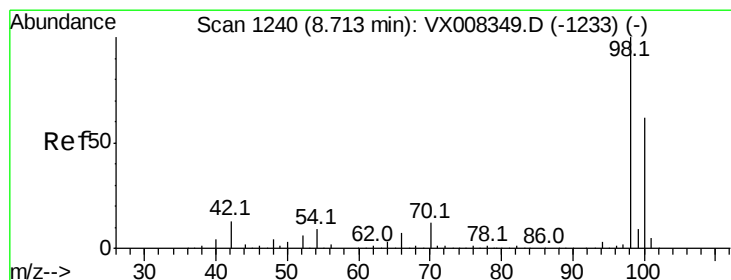
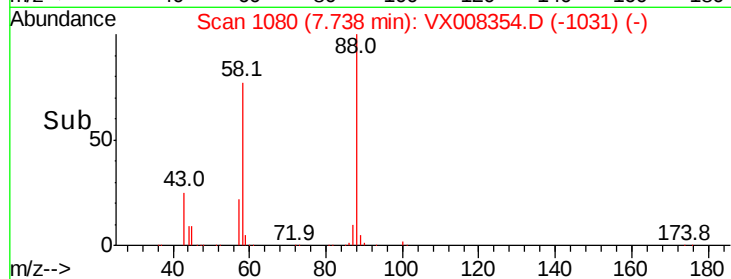
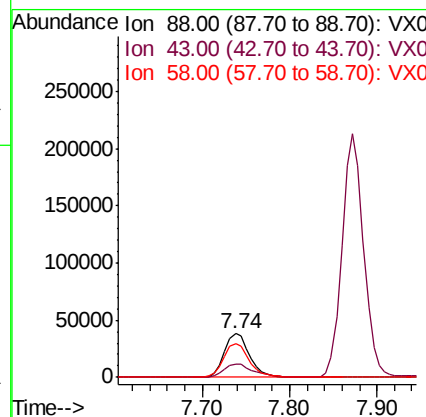
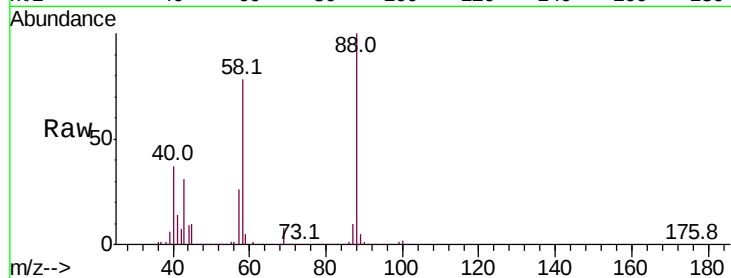
#49
1,4-Dioxane
Concen: 890.163 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX008354.D
Acq: 23 Mar 2019 16:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.1	25.1	37.7
58	79.6	57.8	86.6

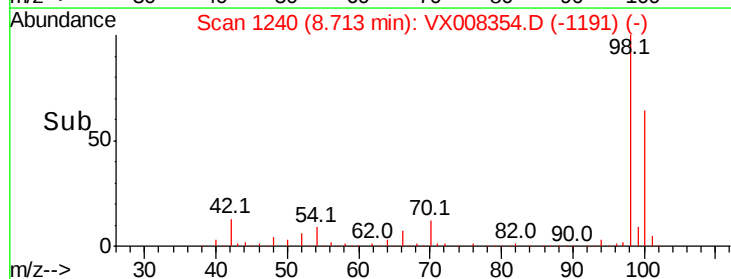
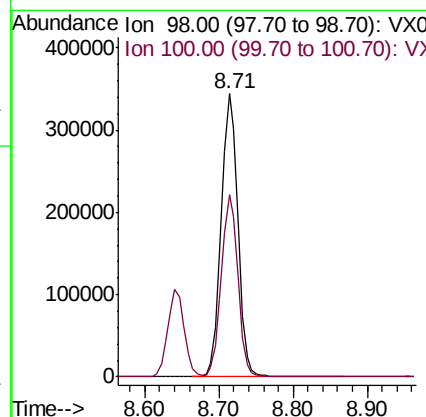
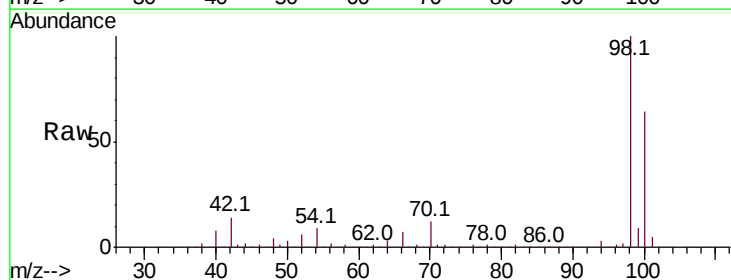
Manual Integrations
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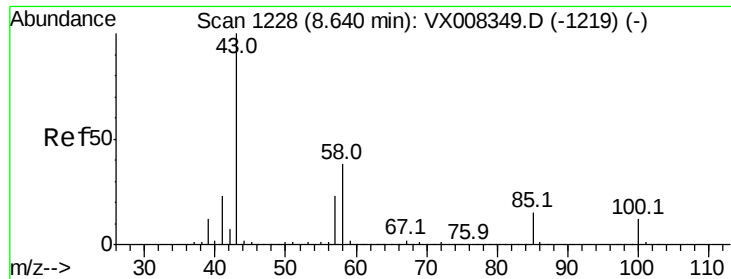
MMDadoda
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#50
Toluene-d8
Concen: 52.479 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008354.D
Acq: 23 Mar 2019 16:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 242.178 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX008354.D

Acq: 23 Mar 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1345245

Ion Ratio Lower Upper

43 100

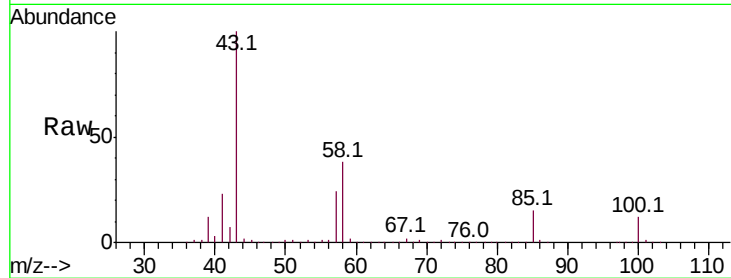
58 37.6 31.3 46.9

Manual Integrations

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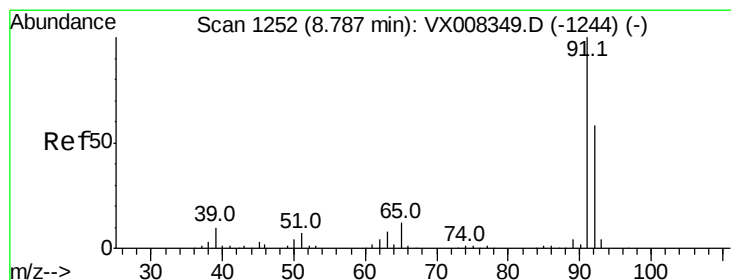
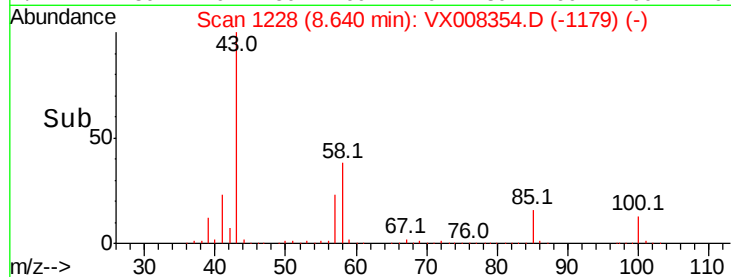
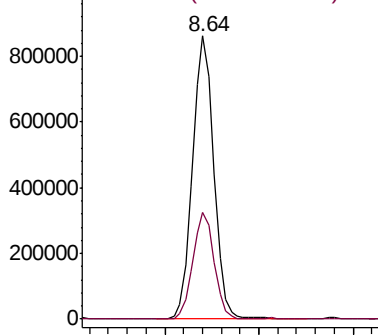
MMDadoda

3/25/2019 11:17:04 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 50.452 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008354.D

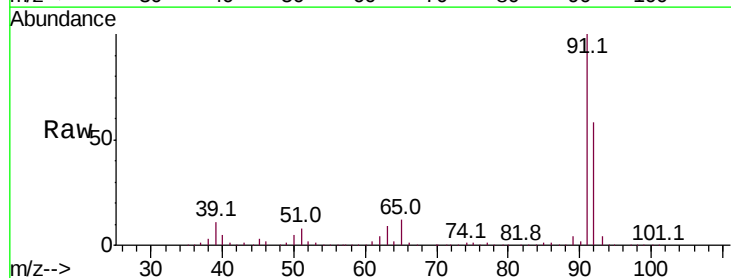
Acq: 23 Mar 2019 16:22

Tgt Ion: 92 Resp: 361934

Ion Ratio Lower Upper

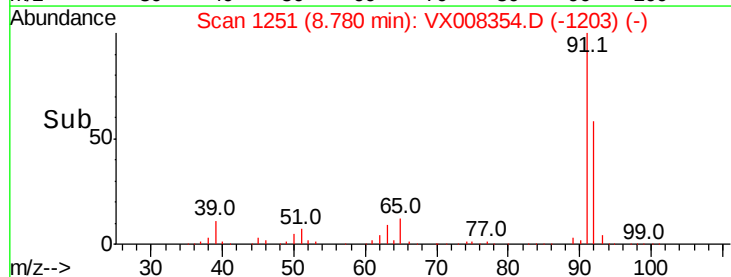
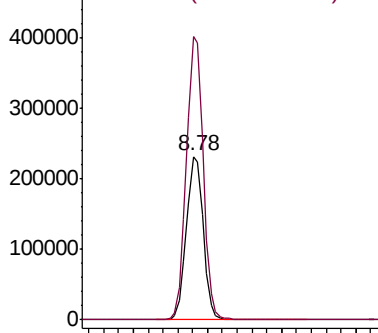
92 100

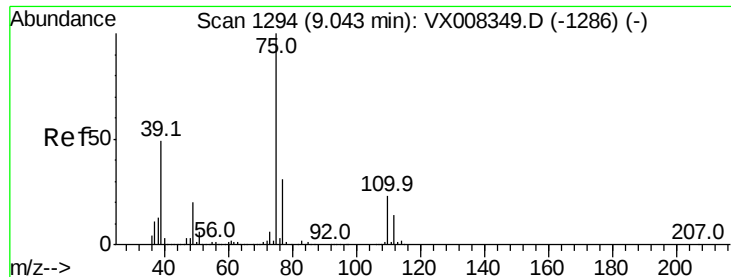
91 173.5 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





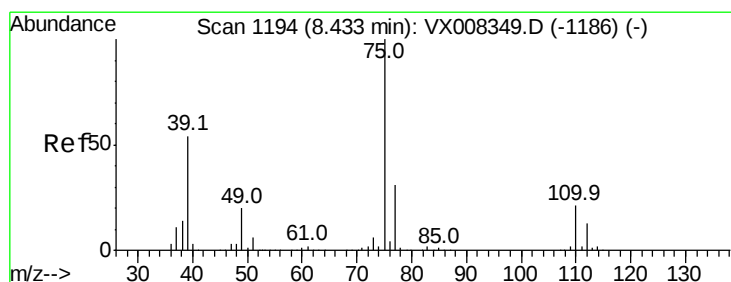
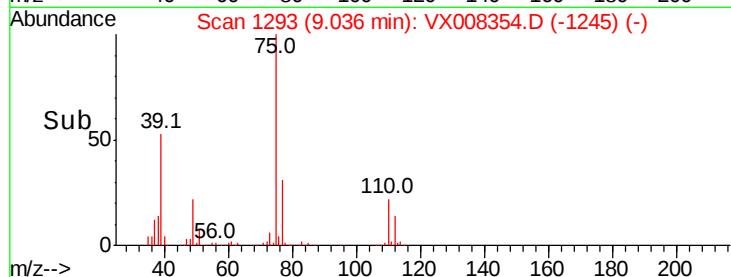
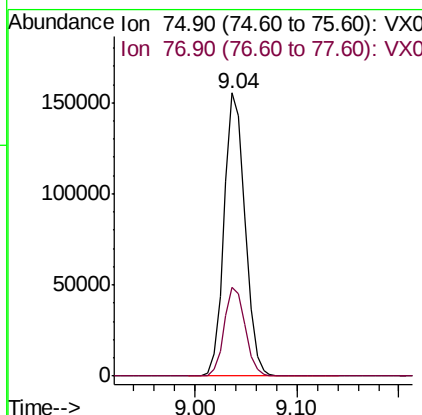
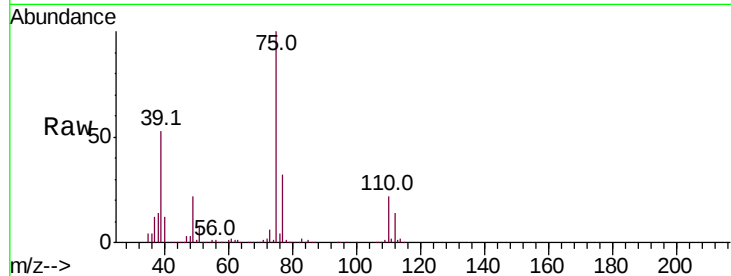
#53
t-1,3-Dichloropropene
Concen: 52.556 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VX008354.D
Acq: 23 Mar 2019 16:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 221533
Ion Ratio Lower Upper
75 100
77 31.5 25.4 38.0

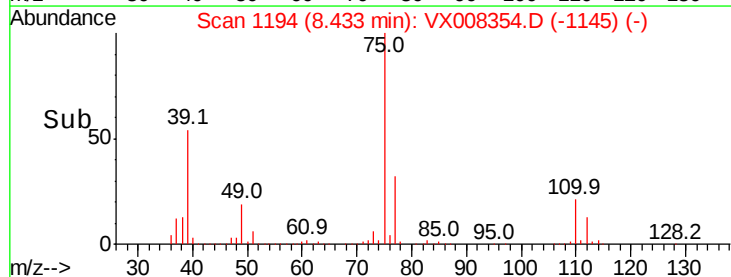
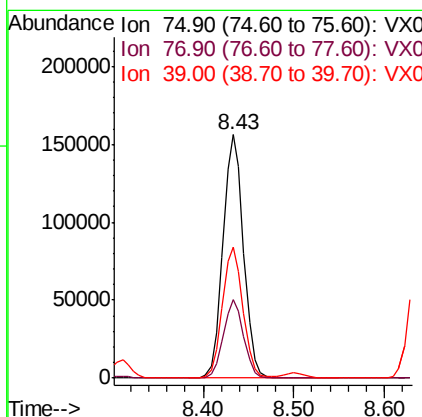
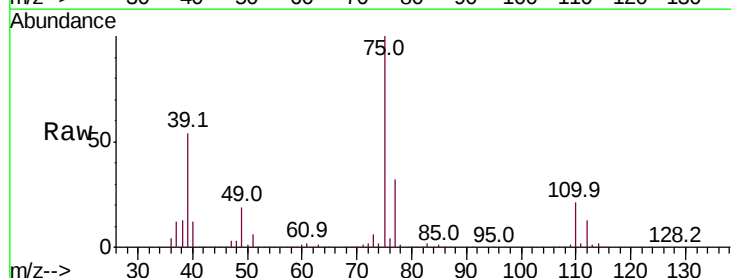
Manual Integrations
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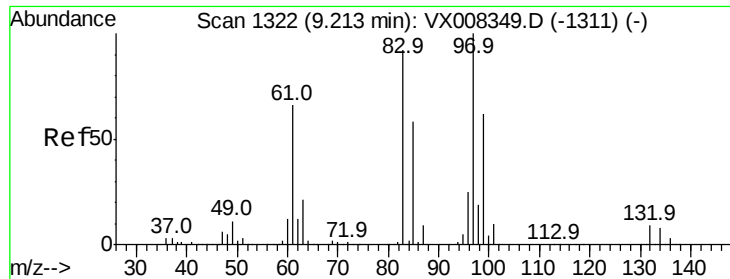
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#54
cis-1,3-Dichloropropene
Concen: 51.921 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX008354.D
Acq: 23 Mar 2019 16:22

Tgt Ion: 75 Resp: 248135
Ion Ratio Lower Upper
75 100
77 32.5 25.0 37.6
39 53.7 36.6 54.8





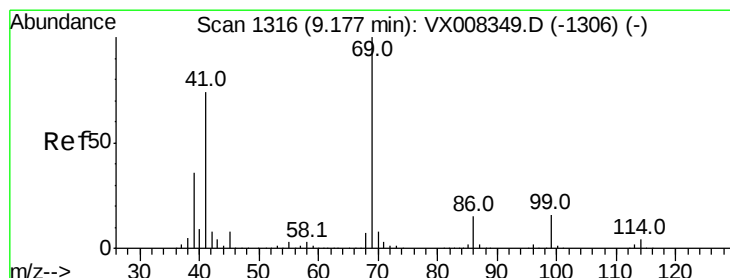
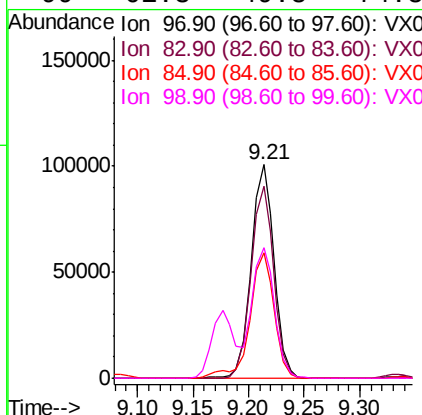
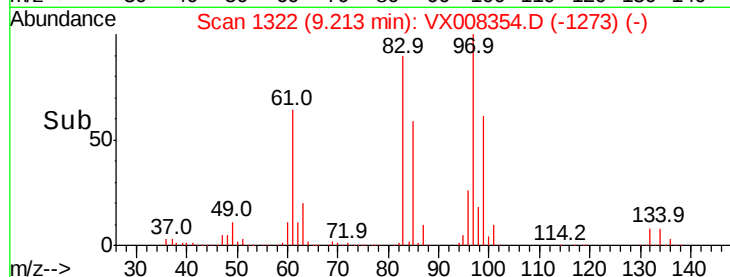
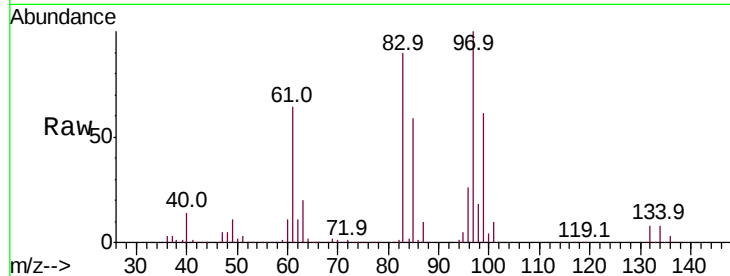
#55
 1,1,2-Trichloroethane
 Concen: 48.415 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008354.D
 Acq: 23 Mar 2019 16:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	144269
Ion	Ratio	Lower	Upper
97	100		
83	90.2	69.1	103.7
85	58.5	44.3	66.5
99	61.3	49.8	74.8

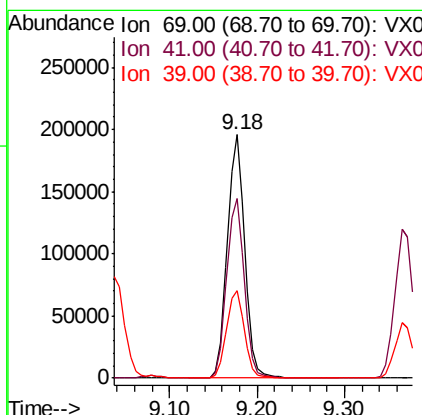
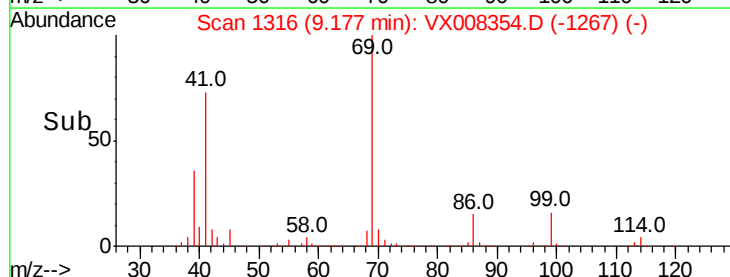
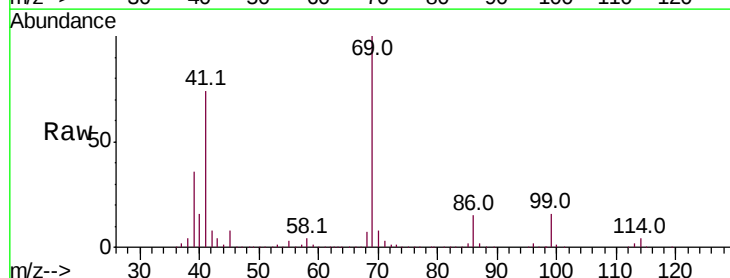
Manual Integrations
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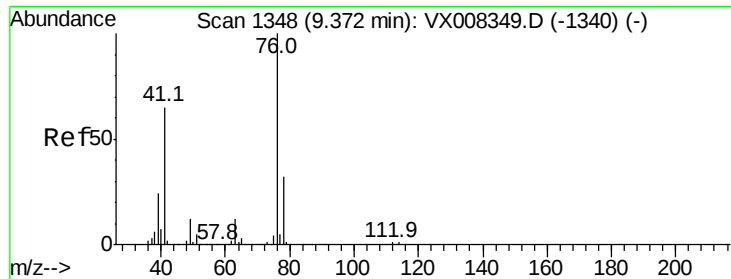
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#56
 Ethyl methacrylate
 Concen: 51.249 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX008354.D
 Acq: 23 Mar 2019 16:22

Tgt Ion:	69	Resp:	270353
Ion	Ratio	Lower	Upper
69	100		
41	74.5	54.2	81.4
39	36.8	25.0	37.4





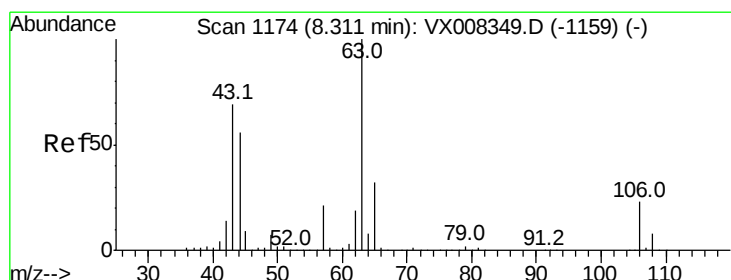
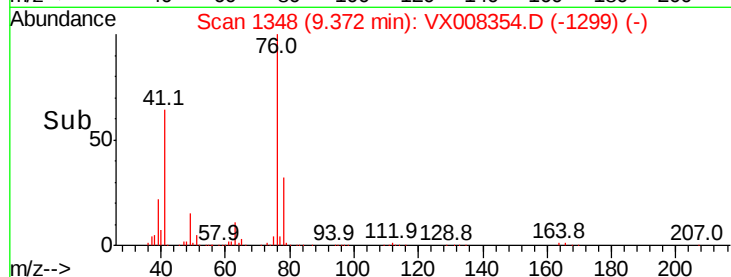
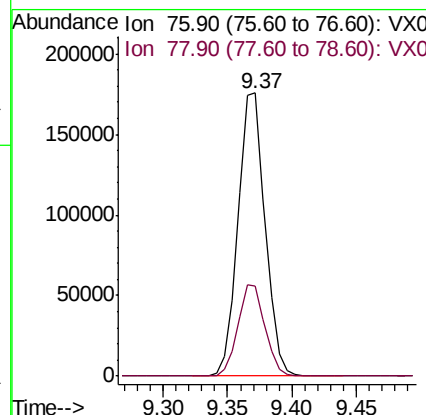
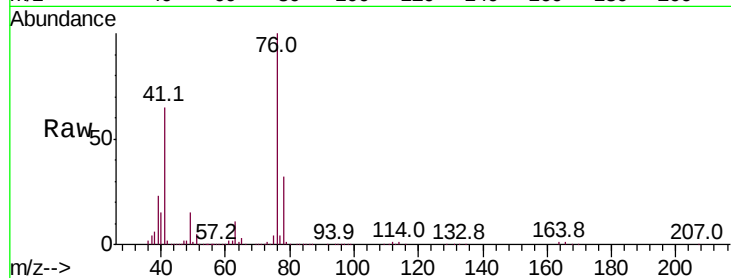
#57
 1,3-Dichloropropane
 Concen: 48.556 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX008354.D
 Acq: 23 Mar 2019 16:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.5	38.3

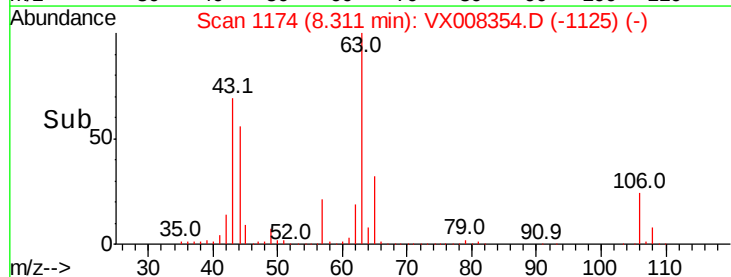
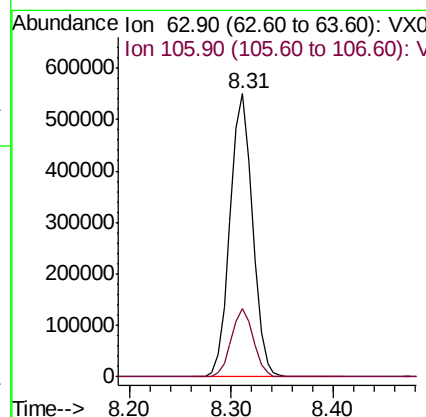
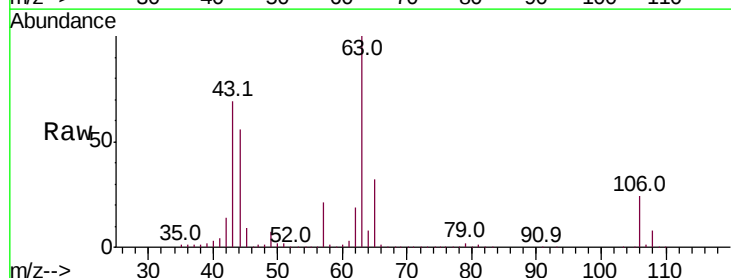
Manual Integrations
 APPROVED

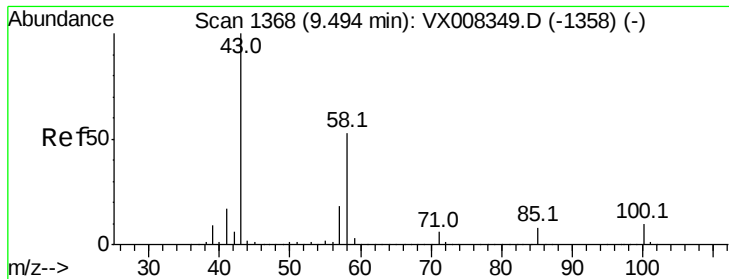
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 3/25/2019 11:17:04 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 295.126 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX008354.D
 Acq: 23 Mar 2019 16:22

Tgt Ion	Ratio	Lower	Upper
63	100		
106	23.7	22.2	33.2





#59

2-Hexanone

Concen: 240.389 ug/l

RT: 9.49 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VX008354.D

Acq: 23 Mar 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1025059

Ion Ratio Lower Upper

43 100

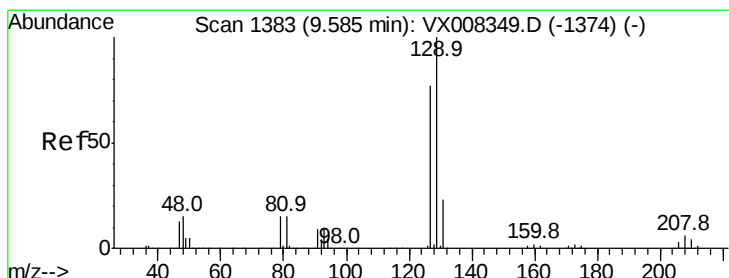
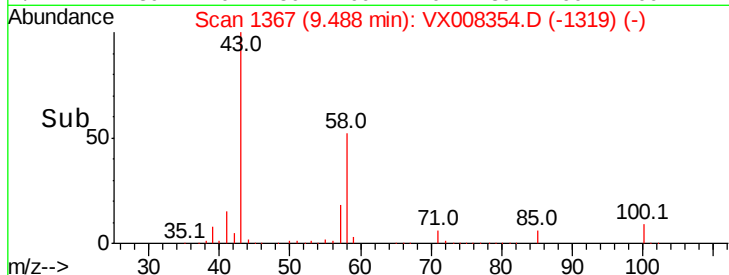
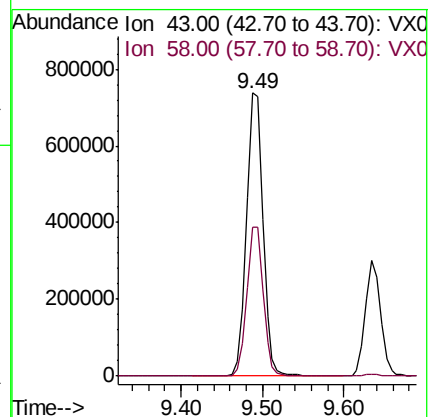
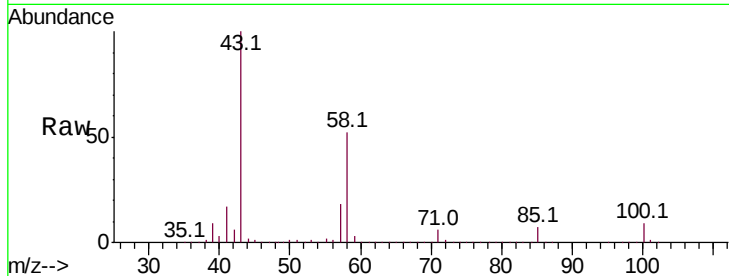
58 52.5 27.6 82.7

Manual Integrations

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#60

Dibromochloromethane

Concen: 50.895 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.01 min

Lab File: VX008354.D

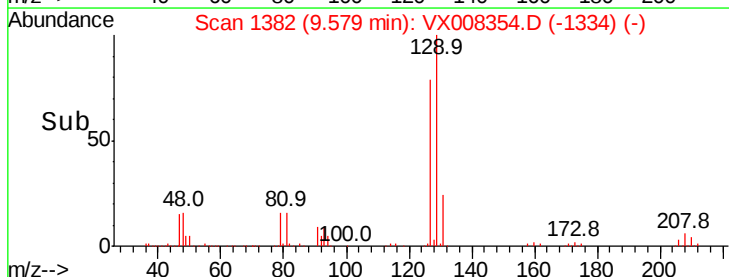
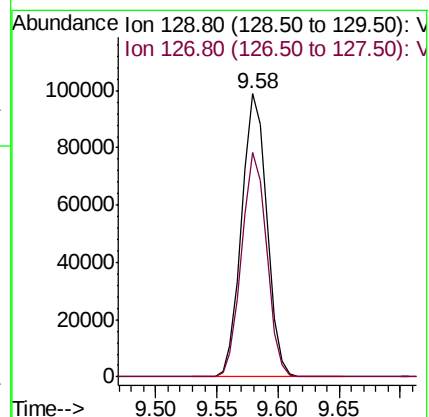
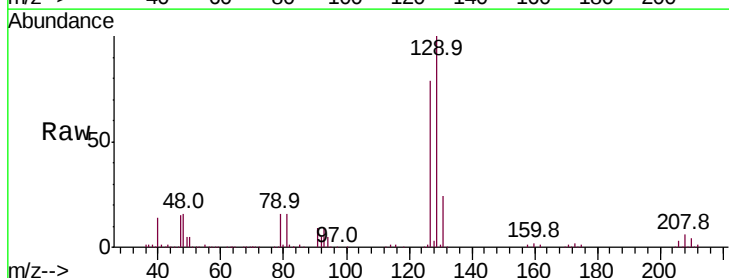
Acq: 23 Mar 2019 16:22

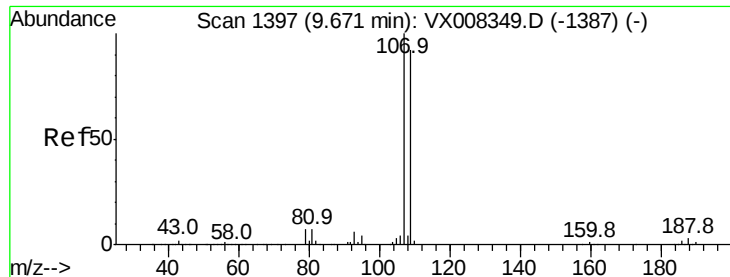
Tgt Ion: 129 Resp: 140770

Ion Ratio Lower Upper

129 100

127 78.6 38.3 114.8





#61

1,2-Dibromoethane

Concen: 49.919 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008354.D

Acq: 23 Mar 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 150964

Ion Ratio Lower Upper

107 100

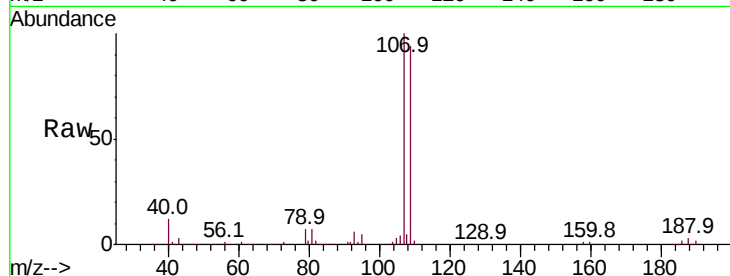
109 93.6 75.8 113.8

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

9.67

120000

100000

80000

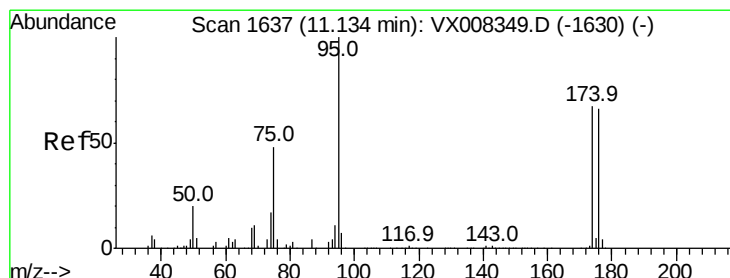
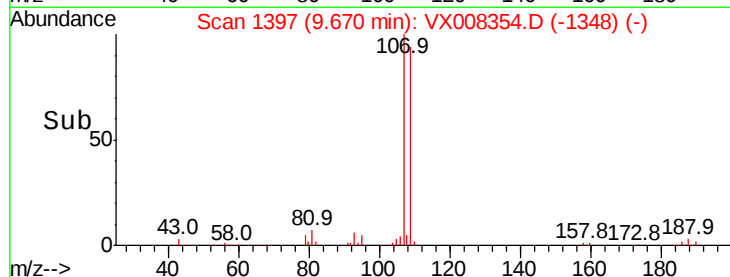
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 53.340 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008354.D

Acq: 23 Mar 2019 16:22

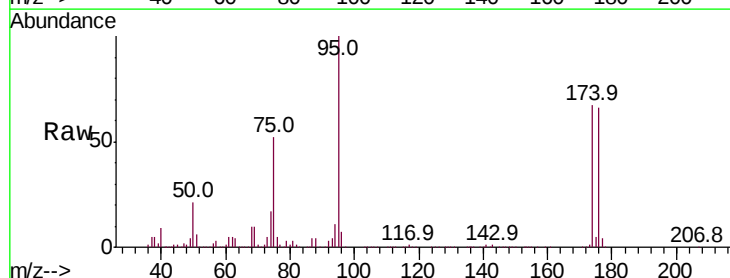
Tgt Ion: 95 Resp: 197301

Ion Ratio Lower Upper

95 100

174 73.5 0.0 182.8

176 71.1 0.0 178.0



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

200000

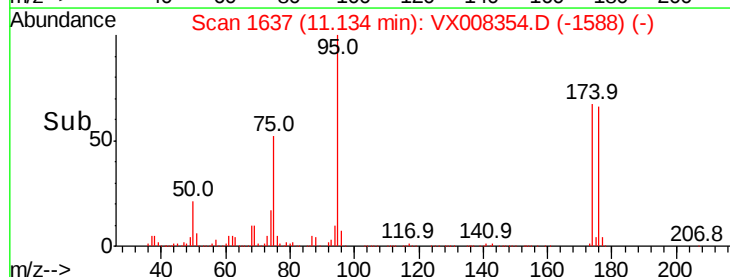
150000

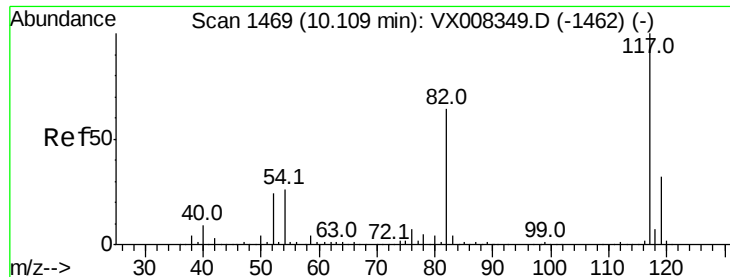
100000

50000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX008354.D

Acq: 23 Mar 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:117 Resp: 351659

Ion Ratio Lower Upper

117 100

82 61.8 44.3 66.5

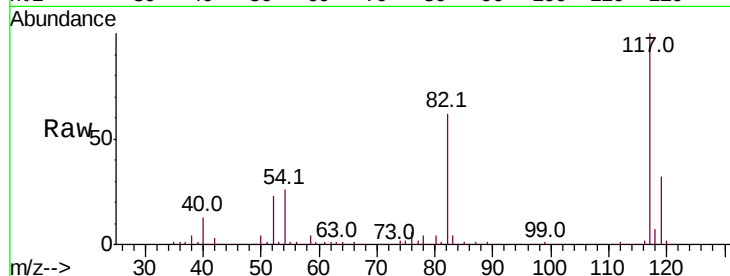
119 31.8 25.3 37.9

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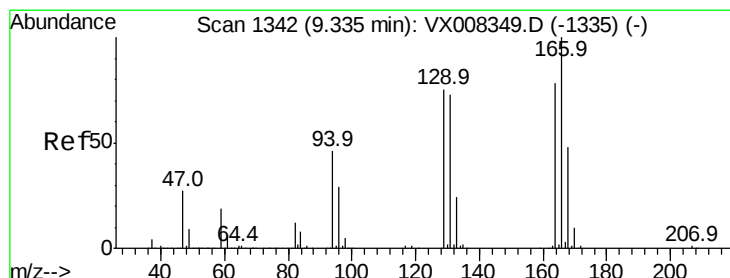
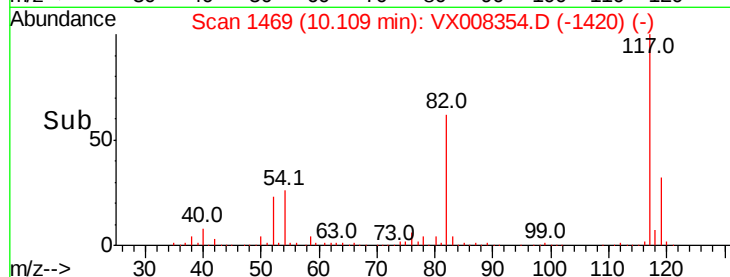
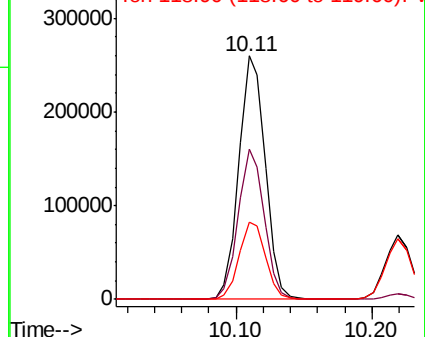


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 50.154 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX008354.D

Acq: 23 Mar 2019 16:22

Tgt Ion:164 Resp: 115336

Ion Ratio Lower Upper

164 100

166 127.7 103.4 155.0

129 95.2 72.2 108.4

131 92.0 69.4 104.2

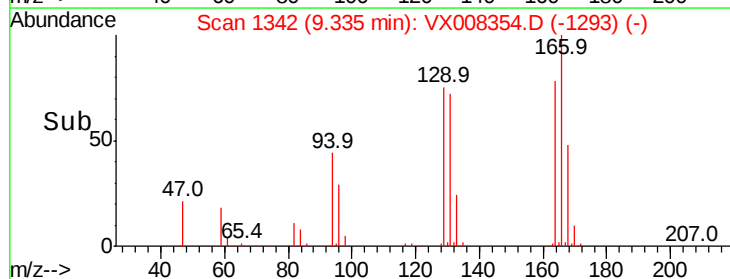
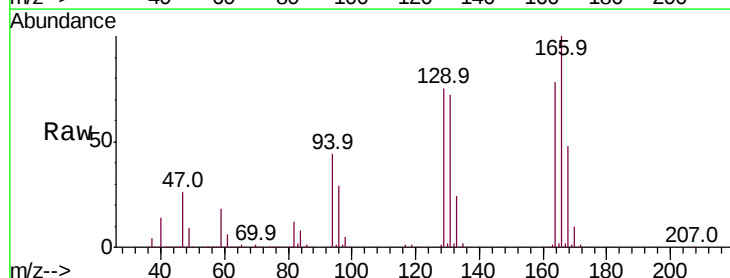
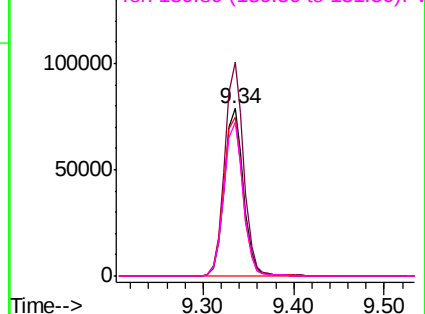
Abundance

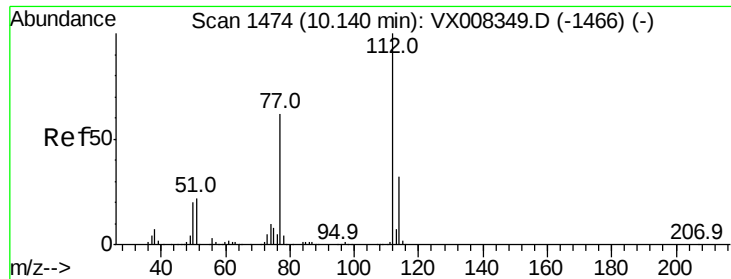
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





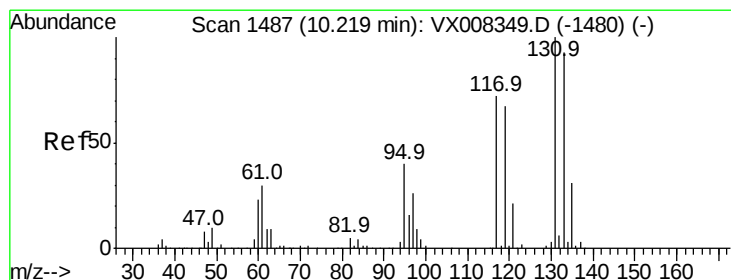
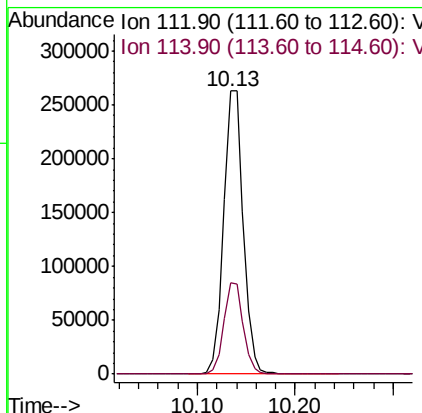
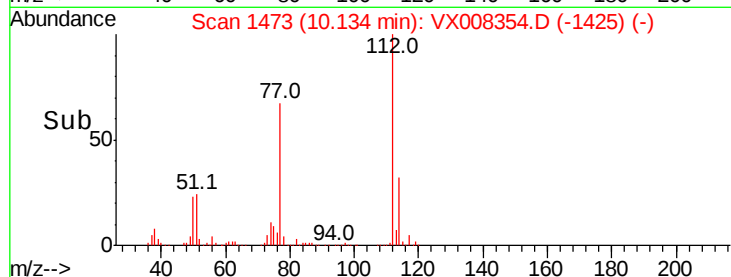
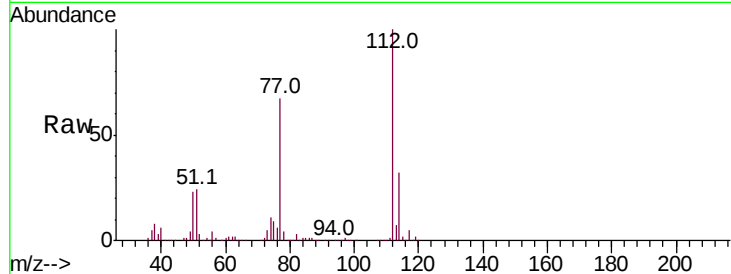
#65
Chlorobenzene
Concen: 49.601 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX008354.D
Acq: 23 Mar 2019 16:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 365808
Ion Ratio Lower Upper
112 100
114 32.1 26.0 39.0

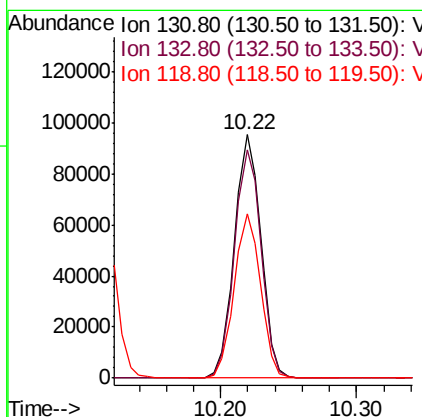
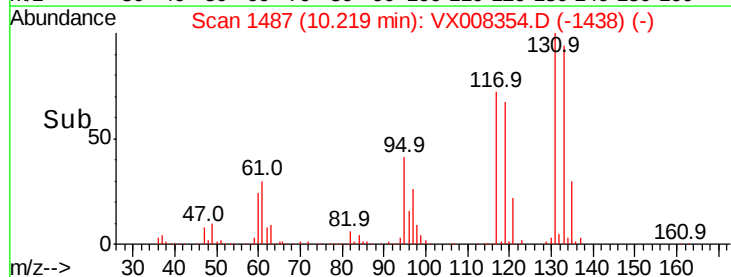
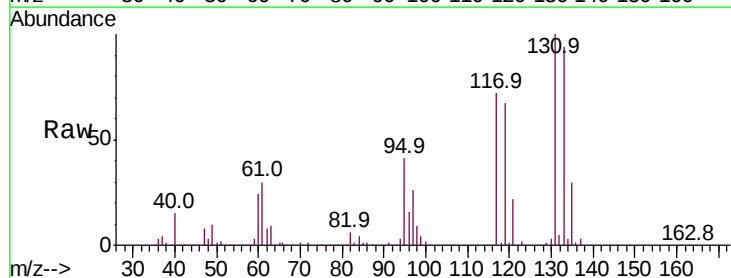
Manual Integrations
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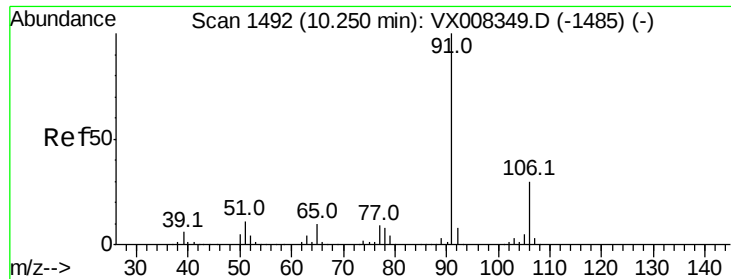
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.724 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX008354.D
Acq: 23 Mar 2019 16:22

Tgt Ion:131 Resp: 129732
Ion Ratio Lower Upper
131 100
133 94.6 47.8 143.3
119 67.2 32.5 97.5





#67

Ethyl Benzene

Concen: 50.673 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX008354.D

Acq: 23 Mar 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 699779

Ion Ratio Lower Upper

91 100

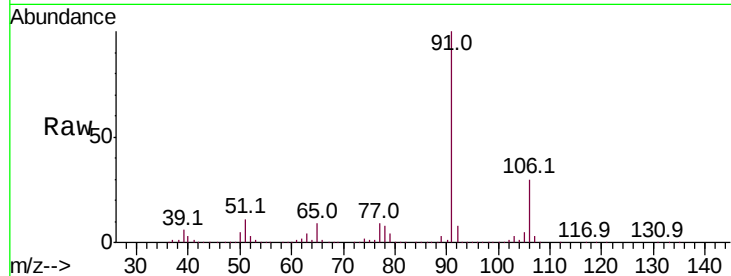
106 29.9 25.2 37.8

Manual Integrations

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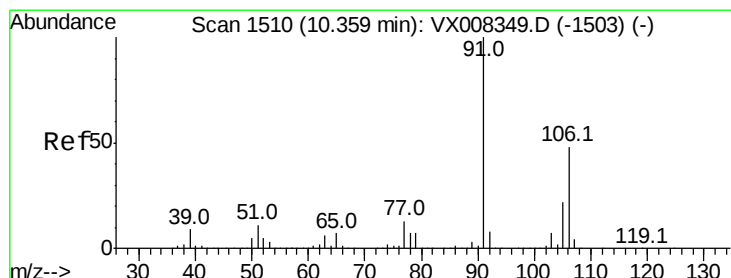
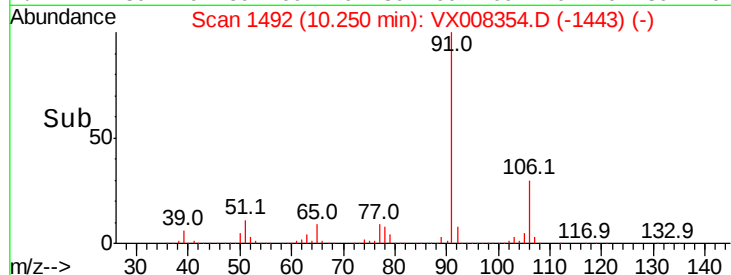
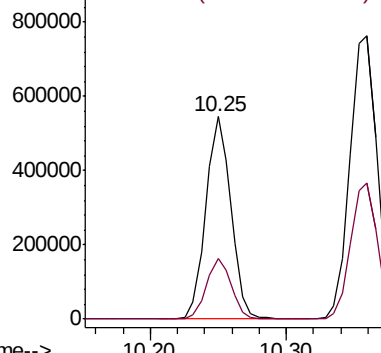
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 102.096 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX008354.D

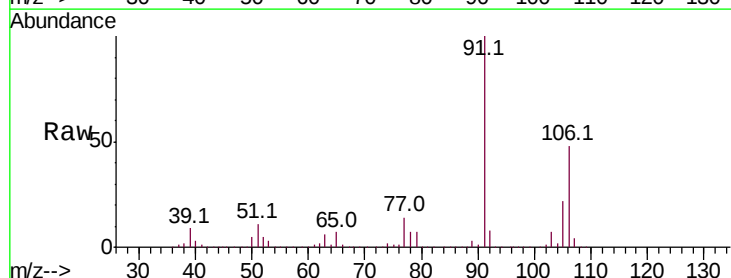
Acq: 23 Mar 2019 16:22

Tgt Ion:106 Resp: 506579

Ion Ratio Lower Upper

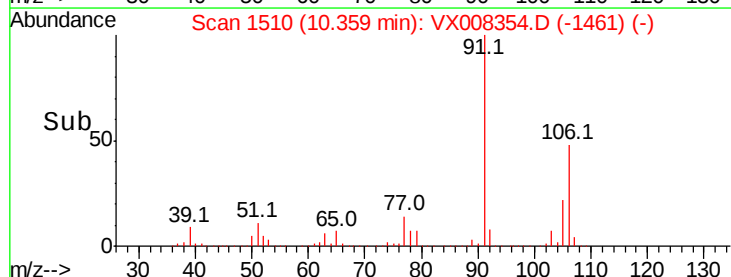
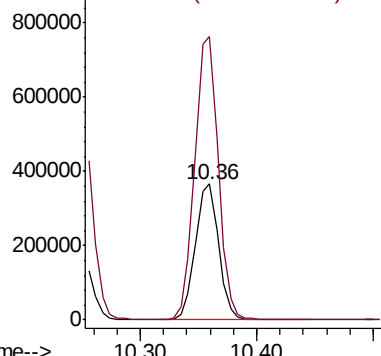
106 100

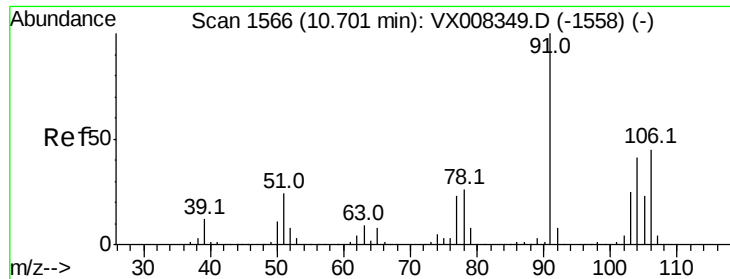
91 211.2 159.8 239.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





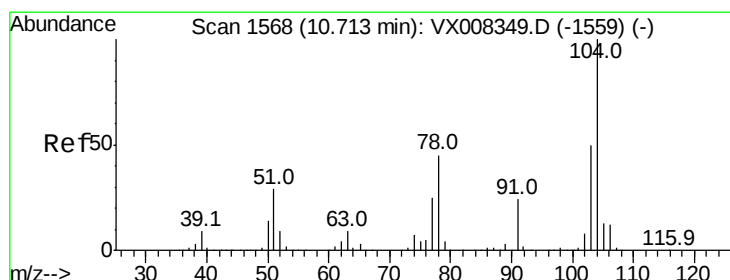
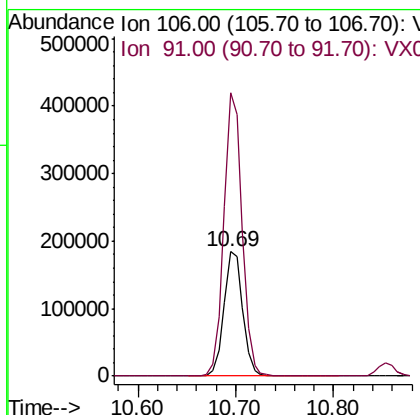
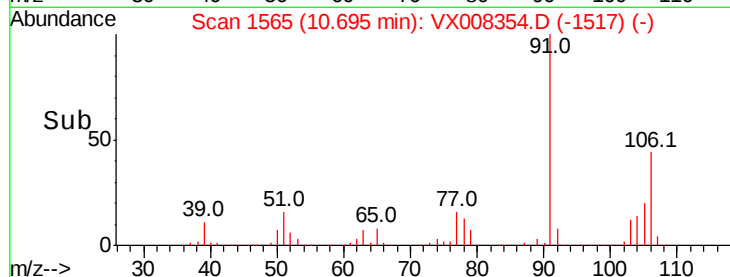
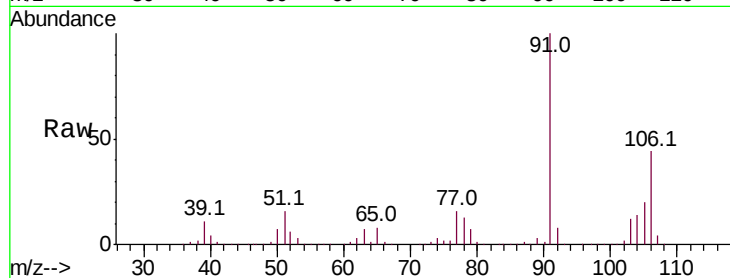
#69
o-Xylene
Concen: 50.195 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008354.D
Acq: 23 Mar 2019 16:22

Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC050

Tot Ion:106 Resp: 243536
Ion Ratio Lower Upper
106 100
91 222.2 106.3 318.9

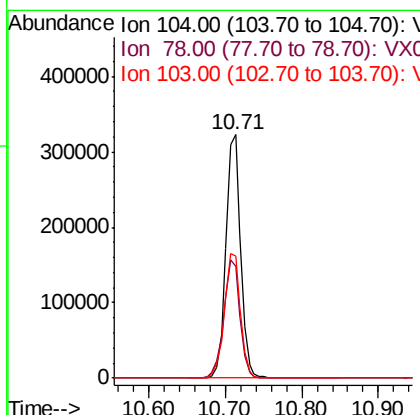
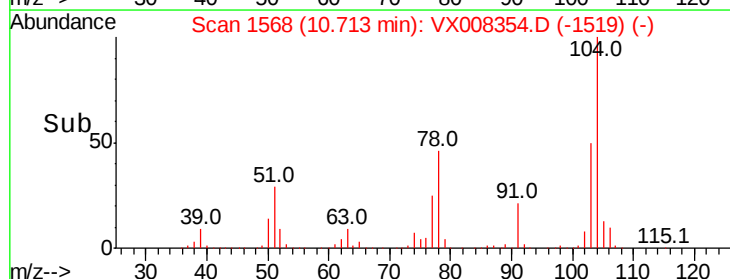
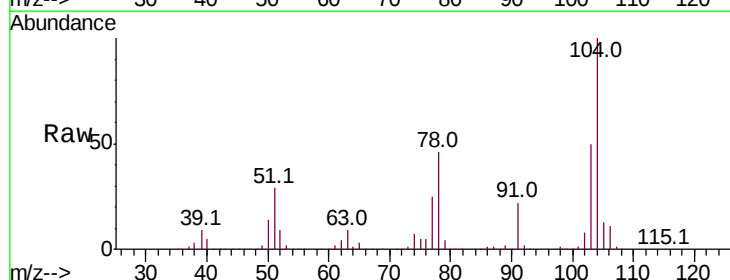
Manual Integrations
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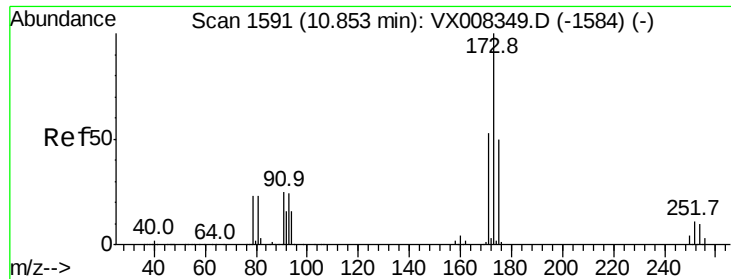
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#70
Styrene
Concen: 51.005 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008354.D
Acq: 23 Mar 2019 16:22

Tgt Ion:104 Resp: 429165
Ion Ratio Lower Upper
104 100
78 53.1 38.5 57.7
103 55.7 44.1 66.1





#71

Bromoform

Concen: 51.575 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX008354.D

Acq: 23 Mar 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 101613

Ion Ratio Lower Upper

173 100

175 48.7 24.3 72.9

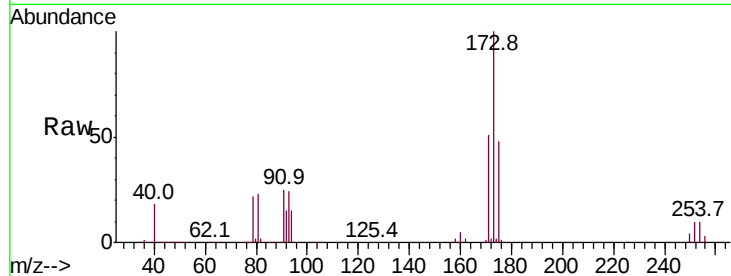
254 0.2 0.1 0.1#

Manual Integrations

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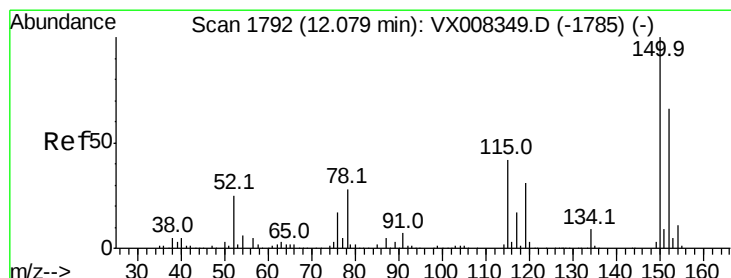
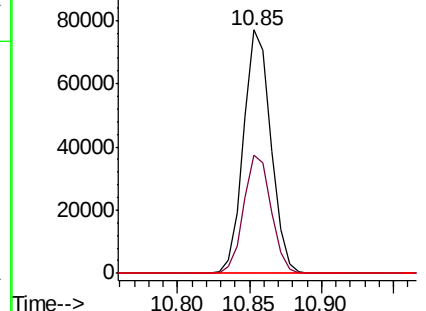
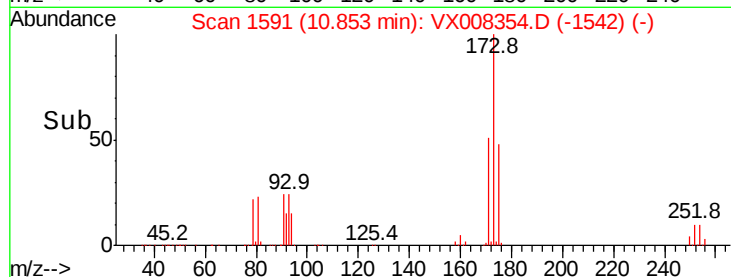
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008354.D

Acq: 23 Mar 2019 16:22

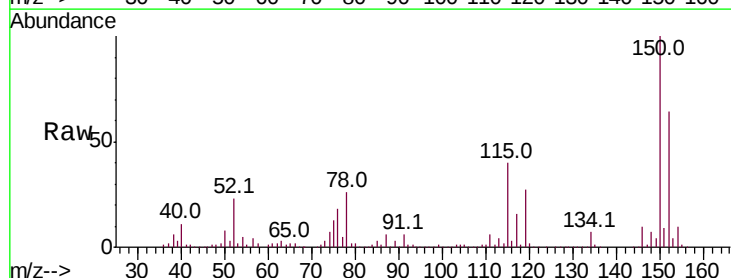
Tgt Ion:152 Resp: 166143

Ion Ratio Lower Upper

152 100

115 88.1 38.6 115.7

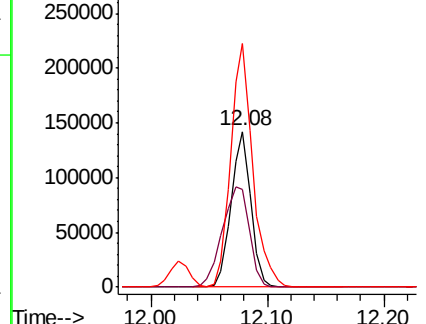
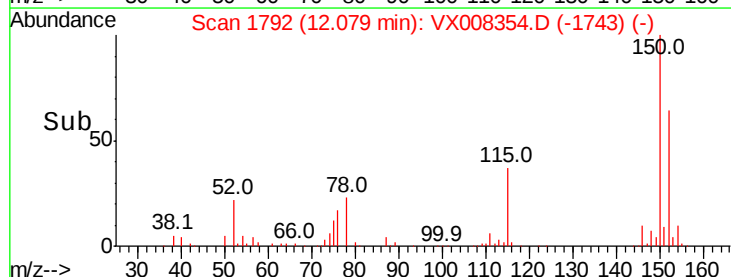
150 174.6 0.0 348.4

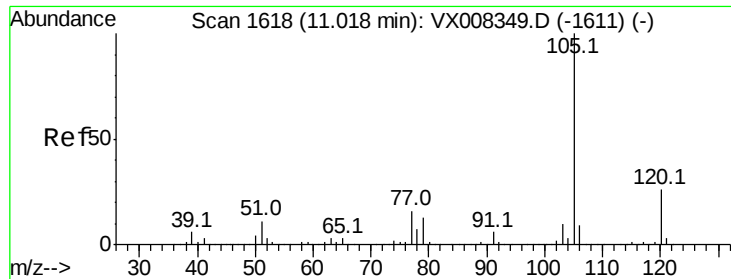


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





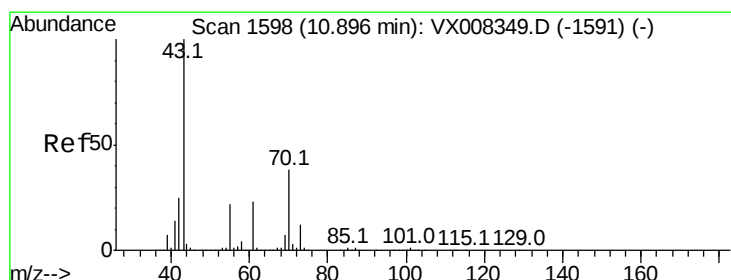
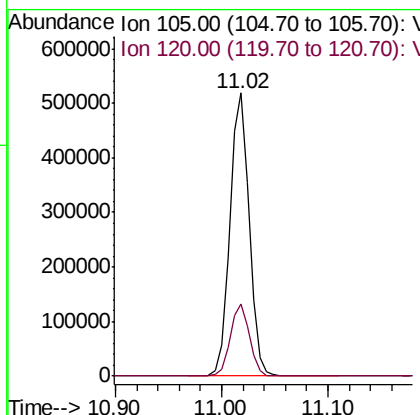
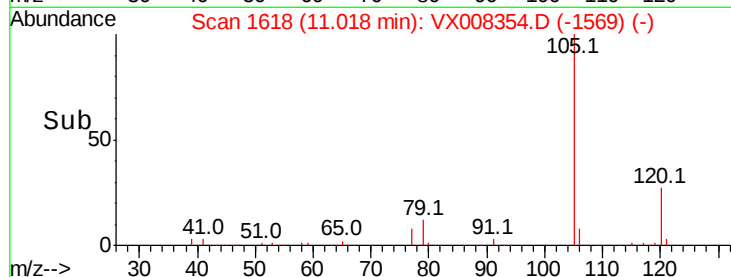
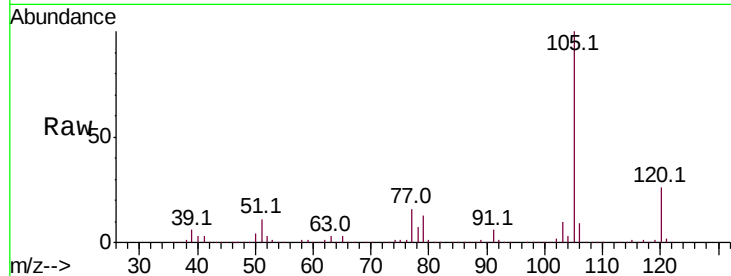
#73
Isopropylbenzene
Concen: 50.035 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX008354.D
Acq: 23 Mar 2019 16:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 656045
Ion Ratio Lower Upper
105 100
120 25.5 13.4 40.1

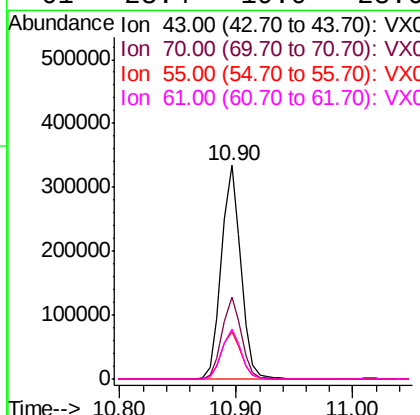
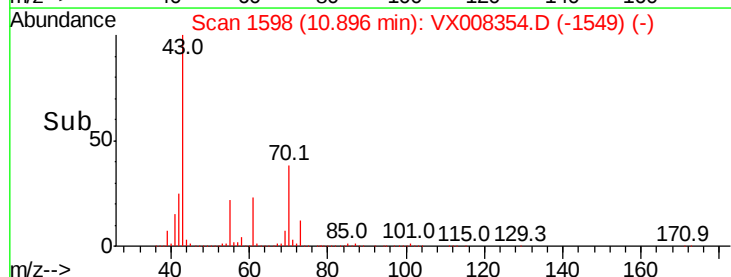
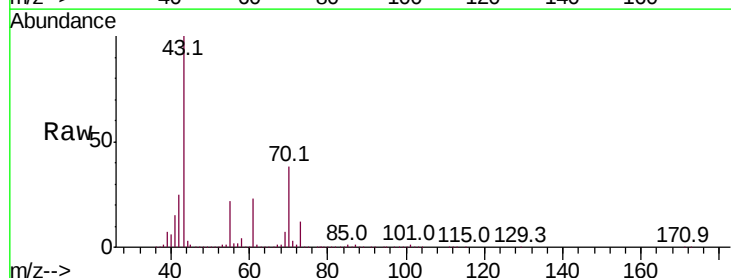
Manual Integrations
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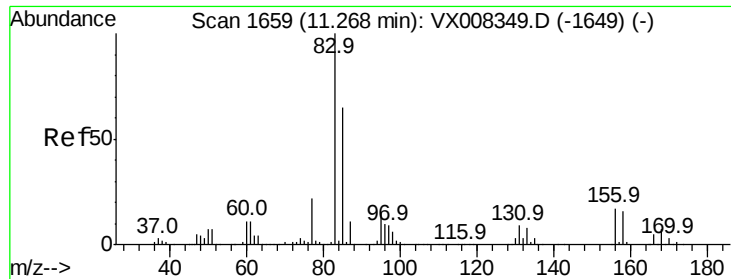
MMDadoda
3/25/2019 11:17:04 AM



#74
N-ethyl acetate
Concen: 49.789 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX008354.D
Acq: 23 Mar 2019 16:22

Tgt Ion: 43 Resp: 382210
Ion Ratio Lower Upper
43 100
70 38.2 33.5 50.3
55 22.5 19.2 28.8
61 23.4 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 46.476 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008354.D

Acq: 23 Mar 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 242730

Ion Ratio Lower Upper

83 100

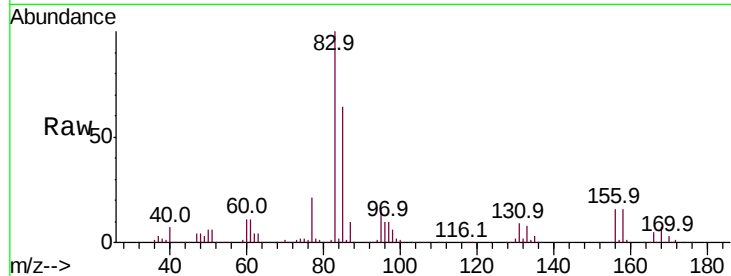
131 8.8 5.4 16.2

85 63.7 32.3 96.8

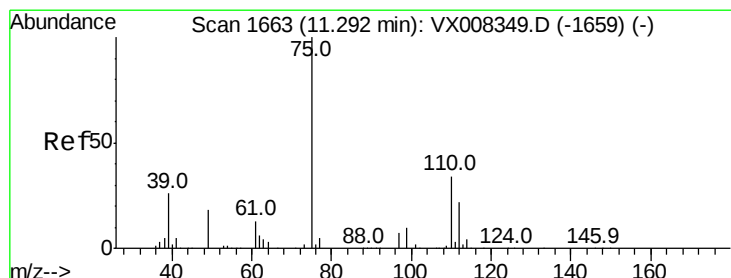
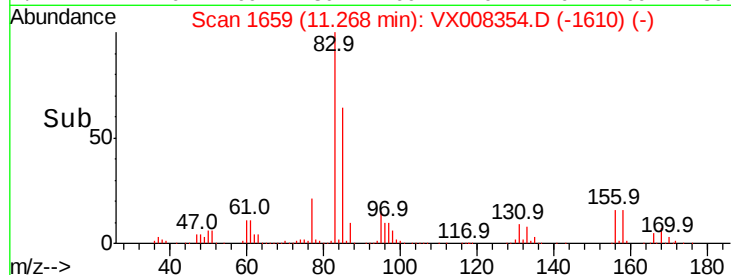
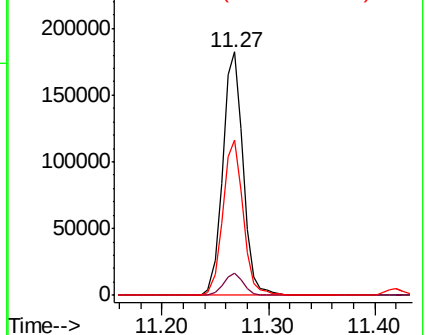
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 46.737 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX008354.D

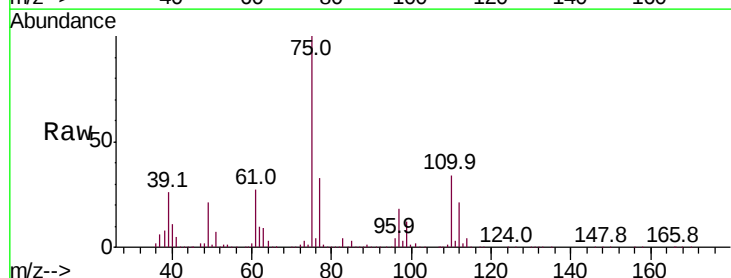
Acq: 23 Mar 2019 16:22

Tgt Ion: 75 Resp: 203247

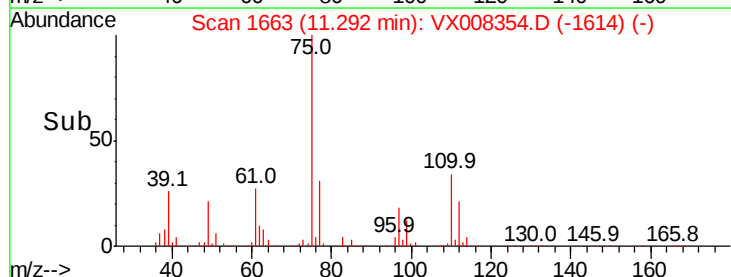
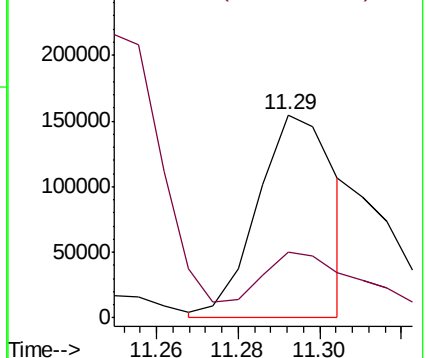
Ion Ratio Lower Upper

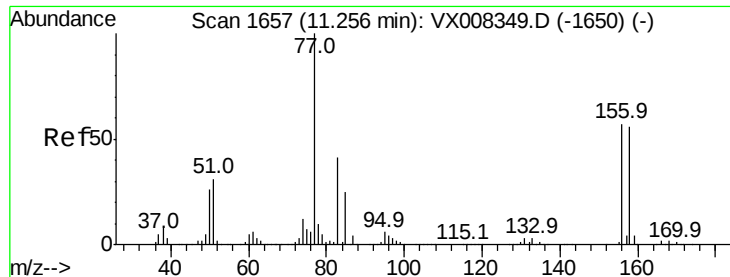
75 100

77 44.5 18.9 56.7



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





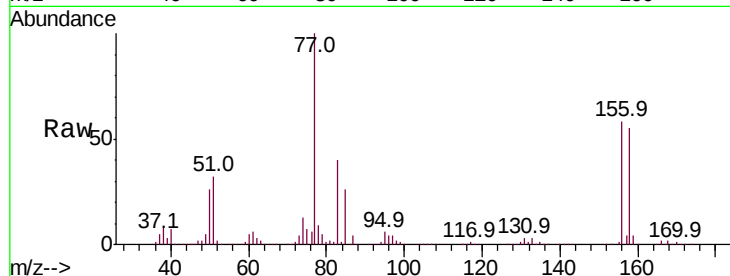
#77
Bromobenzene
Concen: 49.191 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX008354.D
Acq: 23 Mar 2019 16:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	183.3	72.0	215.9
158	96.0	48.6	145.9

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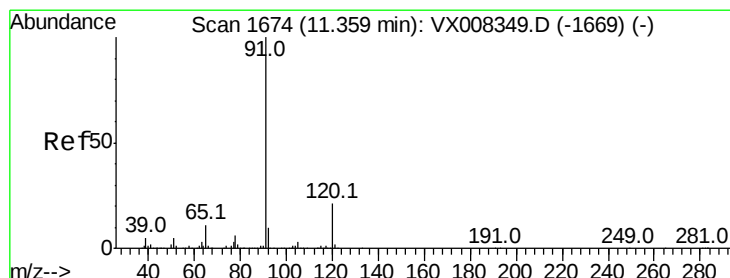
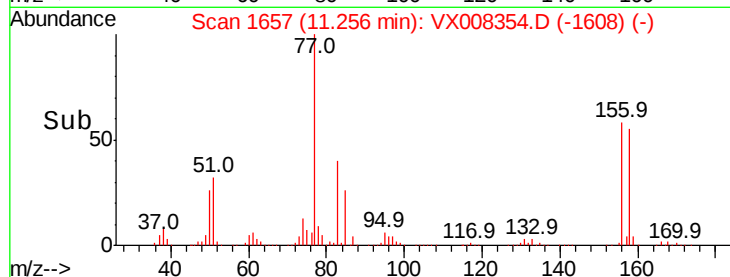
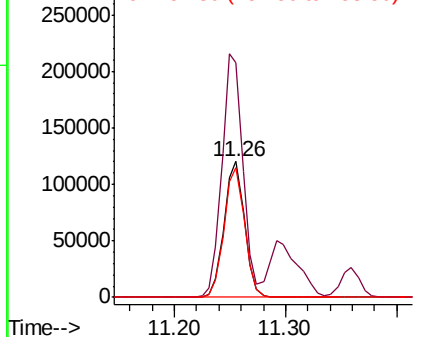


Abundance

Ion 155.80 (155.50 to 156.50): V

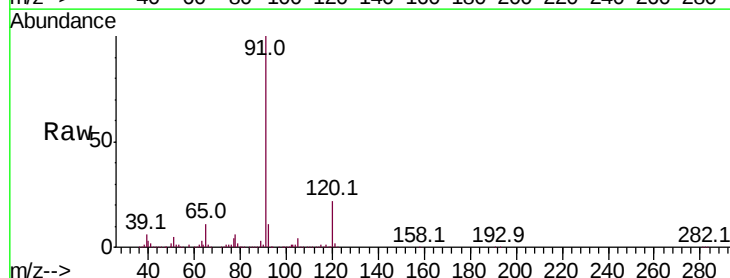
Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78
n-propylbenzene
Concen: 51.369 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX008354.D
Acq: 23 Mar 2019 16:22

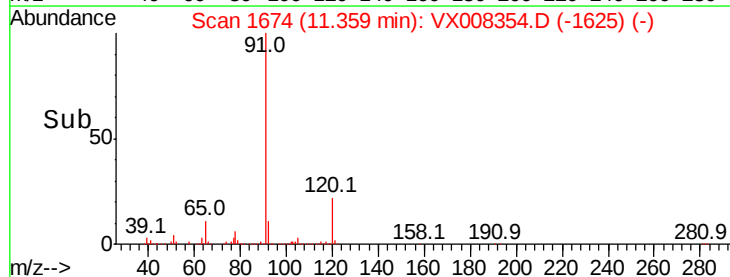
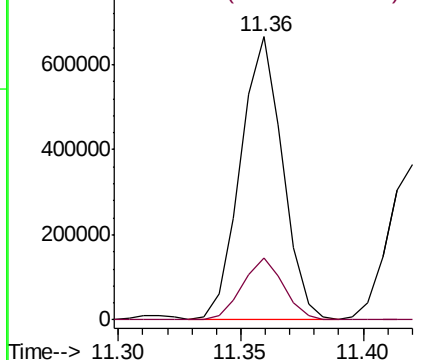
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.5	12.0	36.0

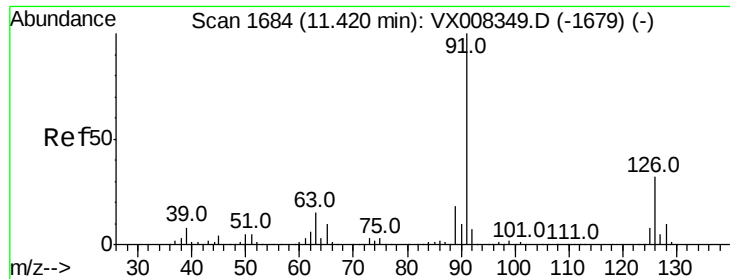


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.769 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008354.D

Acq: 23 Mar 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 456530

Ion Ratio Lower Upper

91 100

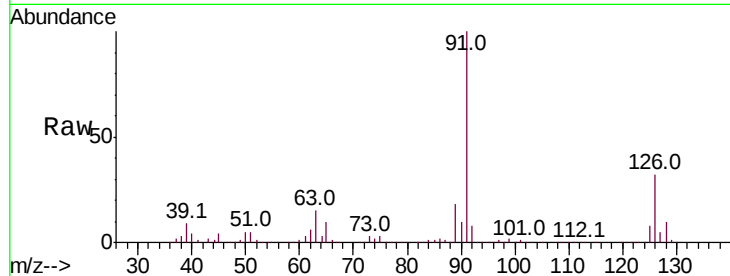
126 31.8 17.5 52.6

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Abundance Ion 91.00 (90.70 to 91.70): VX008349.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX008349.D (-1679) (-)

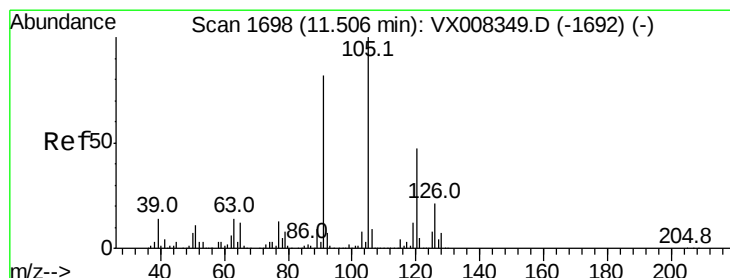
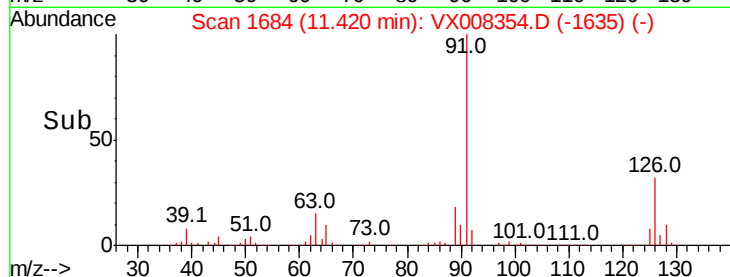
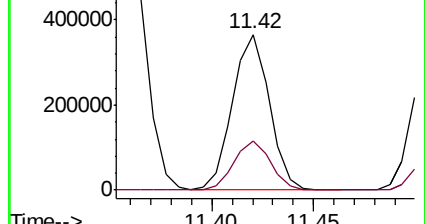
600000

400000

200000

0

11.40 11.45



#80

1,3,5-Trimethylbenzene

Concen: 50.298 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008354.D

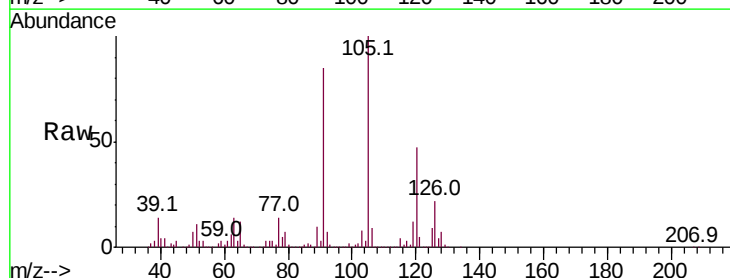
Acq: 23 Mar 2019 16:22

Tgt Ion:105 Resp: 561013

Ion Ratio Lower Upper

105 100

120 46.9 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VX008349.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX008349.D (-1692) (-)

500000

400000

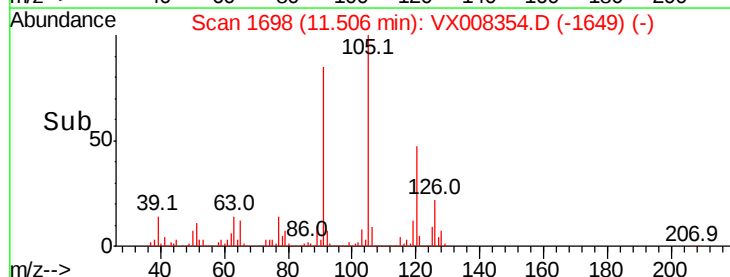
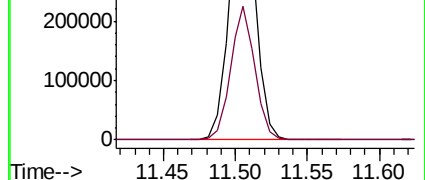
300000

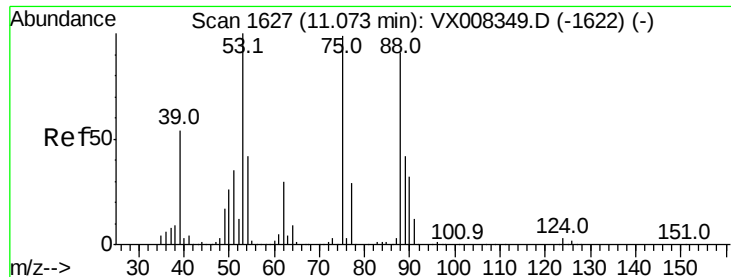
200000

100000

0

11.45 11.50 11.55 11.60





#81

trans-1,4-Dichloro-2-butene

Concen: 52.957 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008354.D

Acq: 23 Mar 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 80813

Ion Ratio Lower Upper

75 100

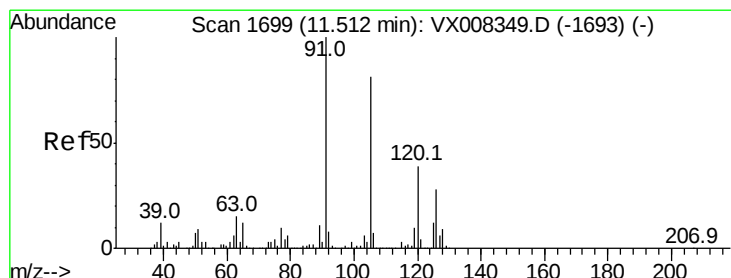
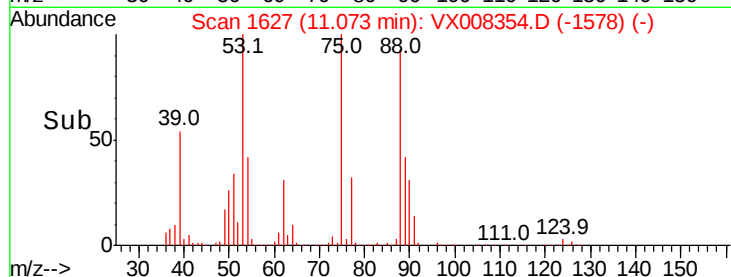
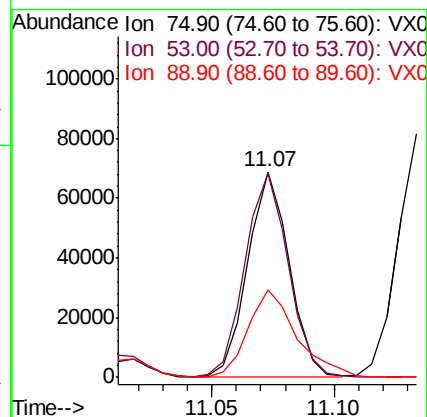
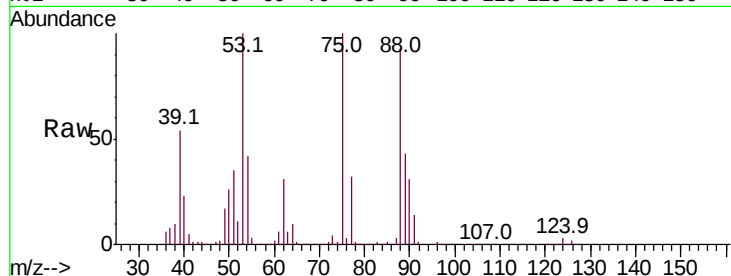
53 104.2 76.1 114.1

89 50.4 36.3 54.5

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#82

4-Chlorotoluene

Concen: 49.804 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX008354.D

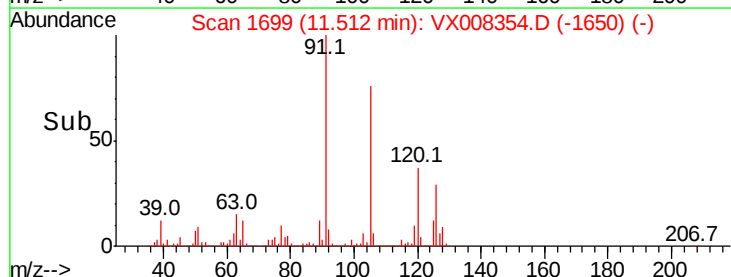
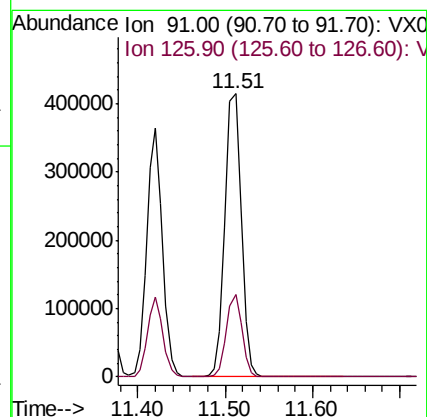
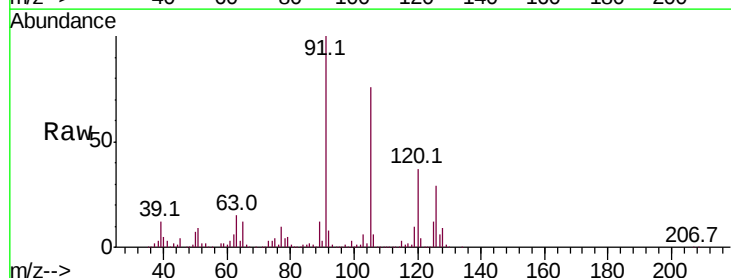
Acq: 23 Mar 2019 16:22

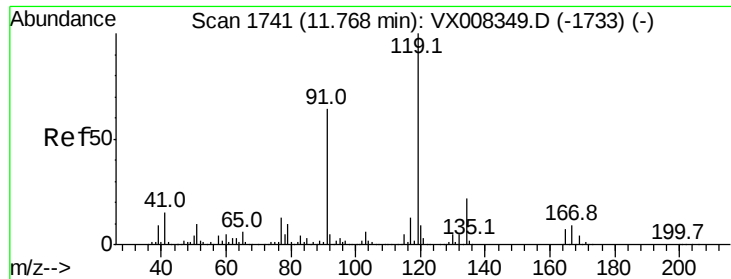
Tgt Ion: 91 Resp: 537201

Ion Ratio Lower Upper

91 100

126 27.7 15.6 46.8





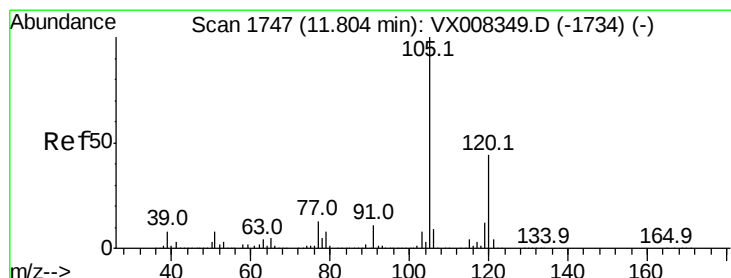
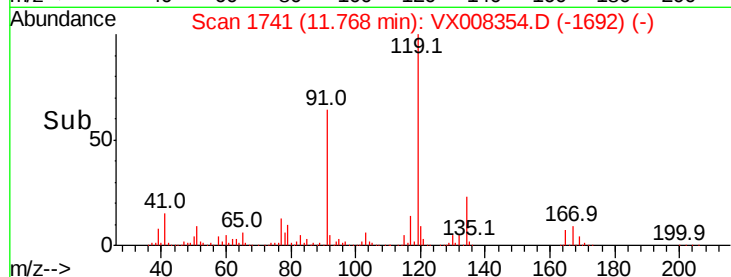
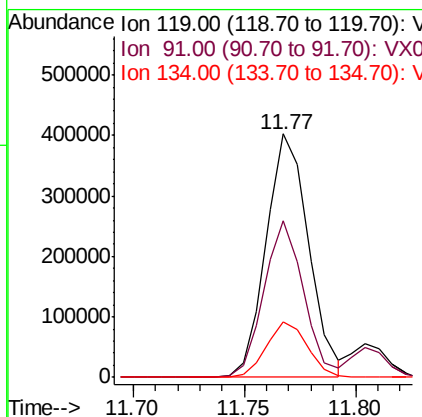
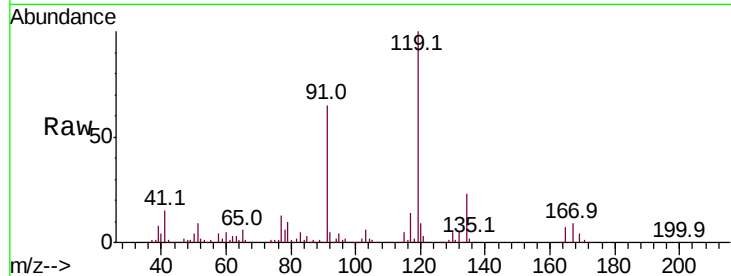
#83
tert-Butylbenzene
Concen: 50.169 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX008354.D
Acq: 23 Mar 2019 16:22

Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.1	27.1	81.3
134	22.1	11.4	34.1

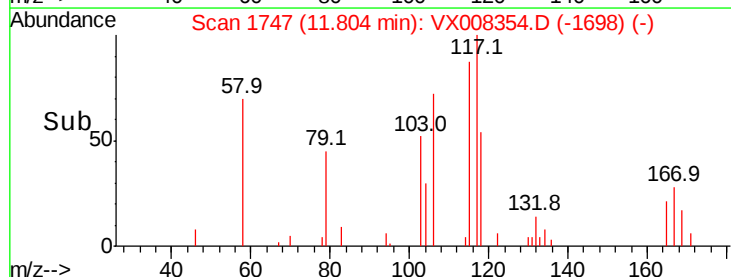
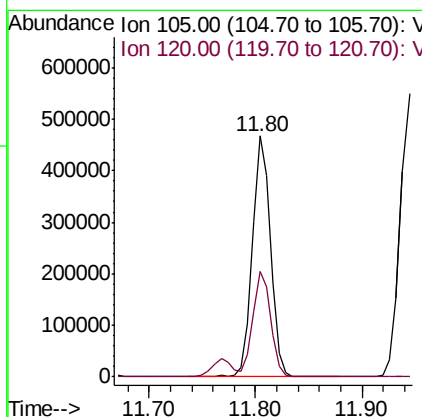
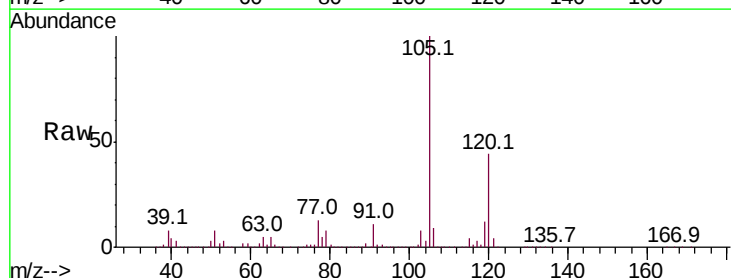
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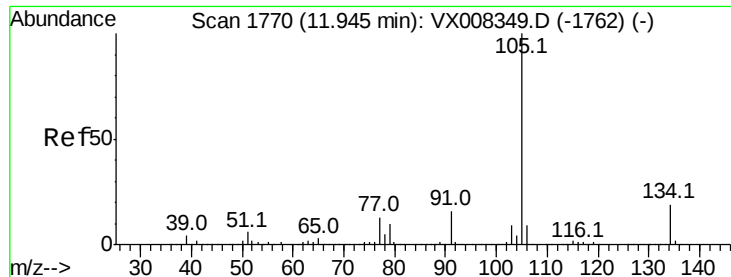
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#84
1,2,4-Trimethylbenzene
Concen: 50.418 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX008354.D
Acq: 23 Mar 2019 16:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.0	22.6	67.7





#85

sec-Butylbenzene

Concen: 51.051 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008354.D

Acq: 23 Mar 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 649861

Ion Ratio Lower Upper

105 100

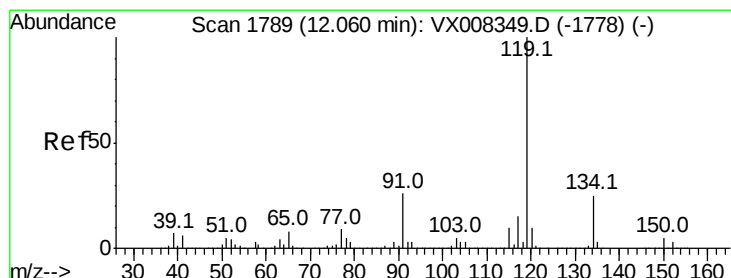
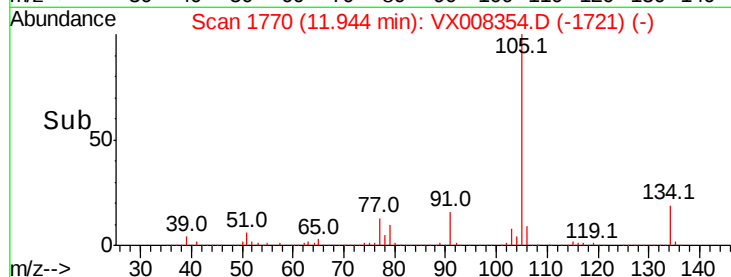
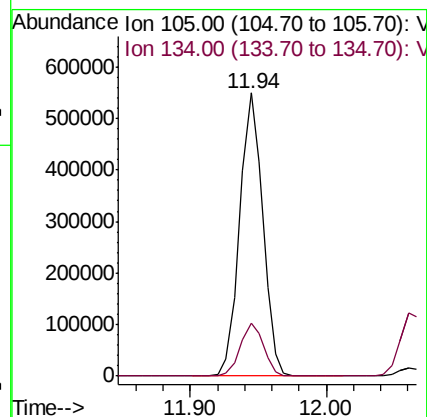
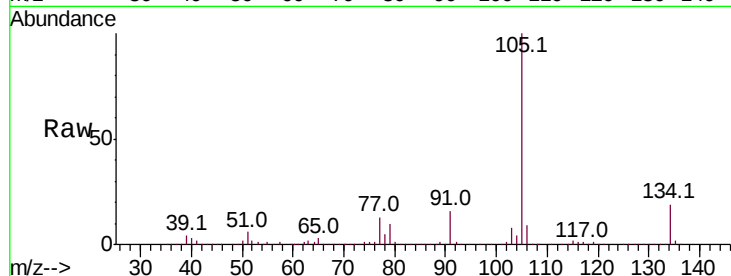
134 18.8 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 52.529 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008354.D

Acq: 23 Mar 2019 16:22

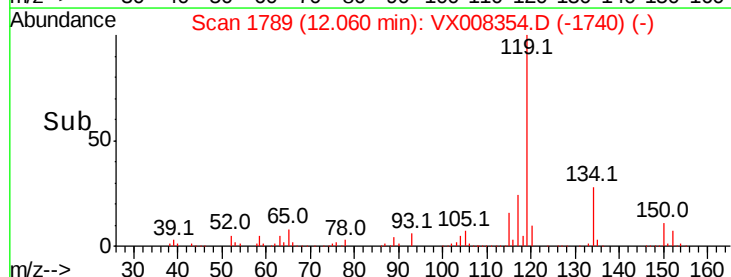
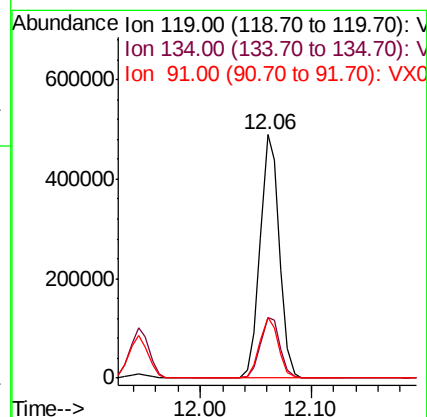
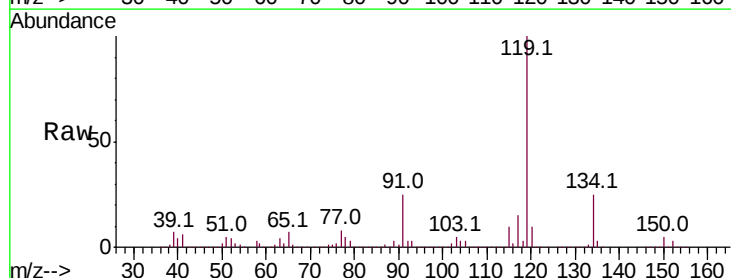
Tgt Ion:119 Resp: 589387

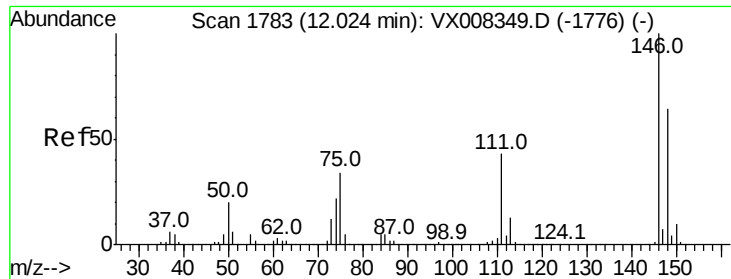
Ion Ratio Lower Upper

119 100

134 25.4 13.3 39.9

91 24.5 10.9 32.7





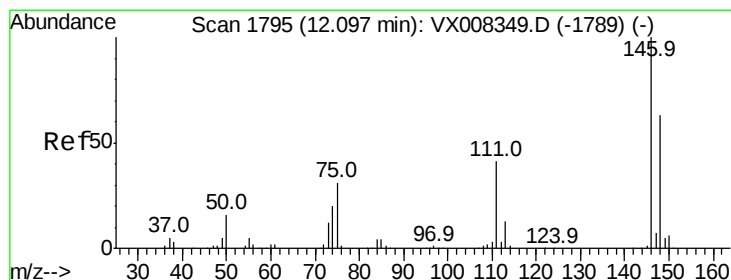
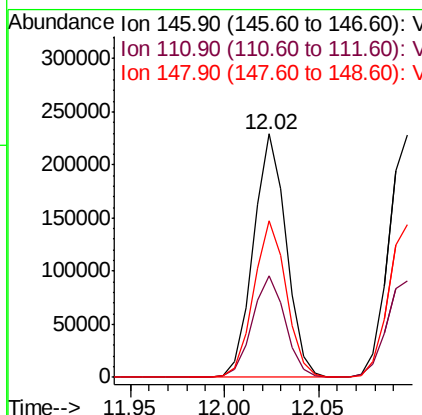
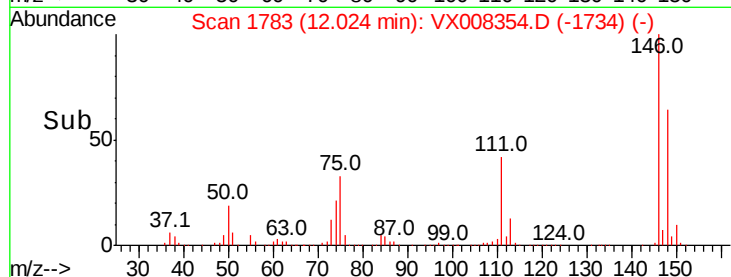
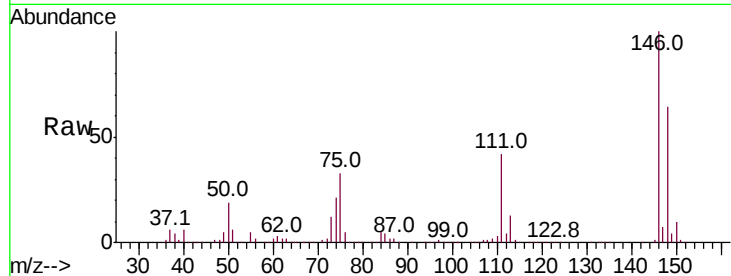
#87
 1,3-Dichlorobenzene
 Concen: 49.527 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008354.D
 Acq: 23 Mar 2019 16:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	18.9	56.7
148	63.9	31.7	95.1

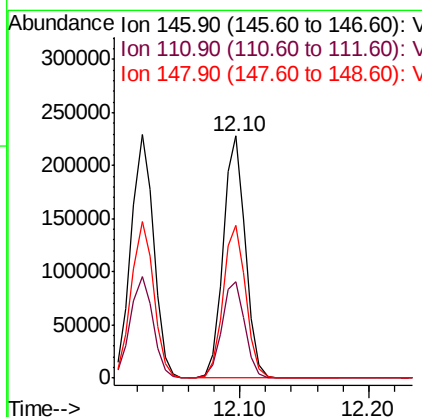
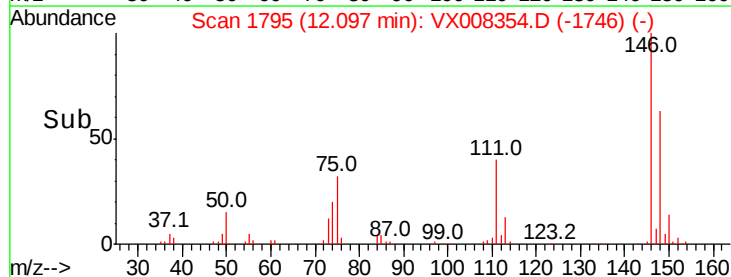
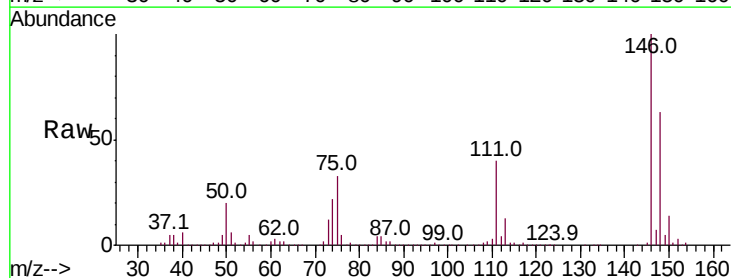
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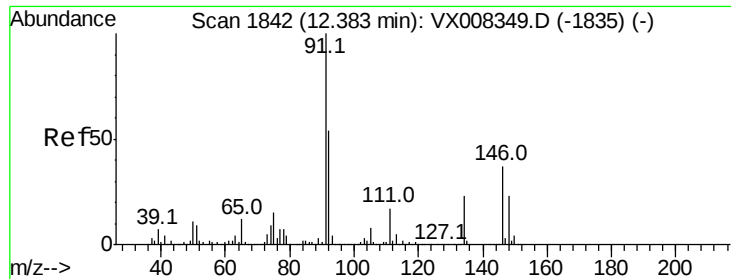
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#88
 1,4-Dichlorobenzene
 Concen: 48.762 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008354.D
 Acq: 23 Mar 2019 16:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	18.4	55.0
148	64.4	32.2	96.6





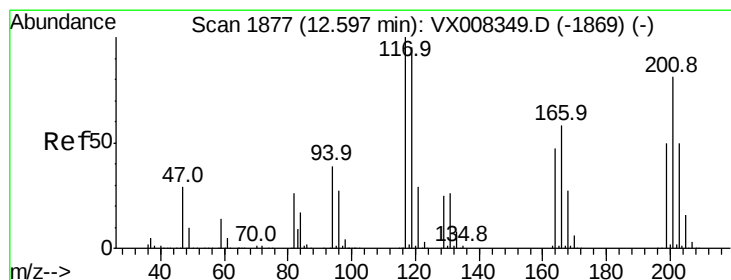
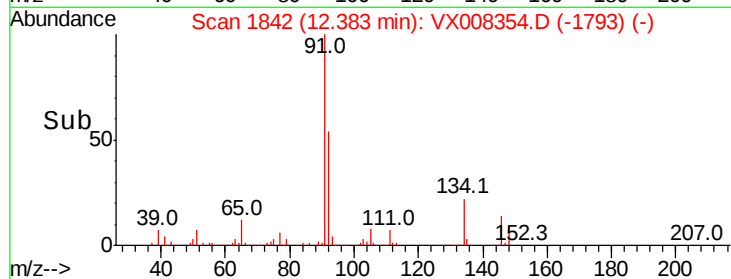
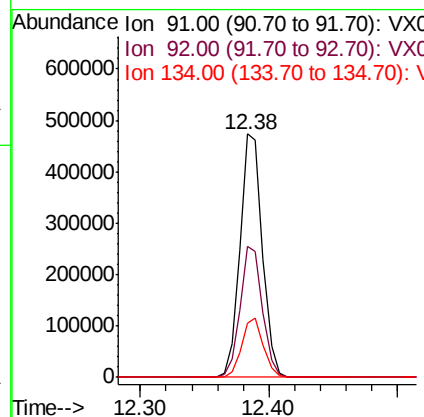
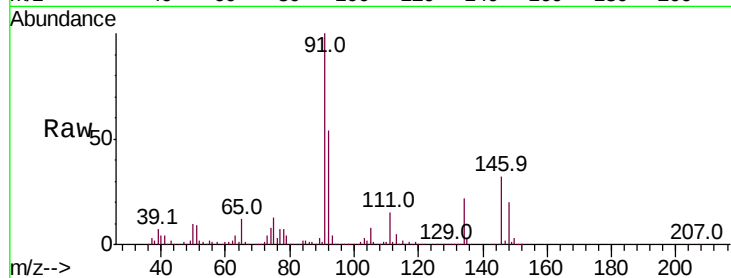
#89
n-Butylbenzene
Concen: 53.298 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008354.D
Acq: 23 Mar 2019 16:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	27.0	80.8
134	23.6	13.7	41.0

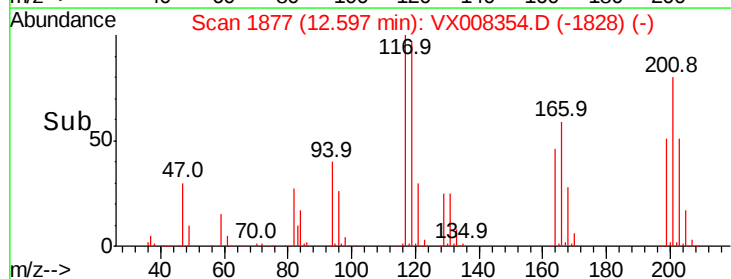
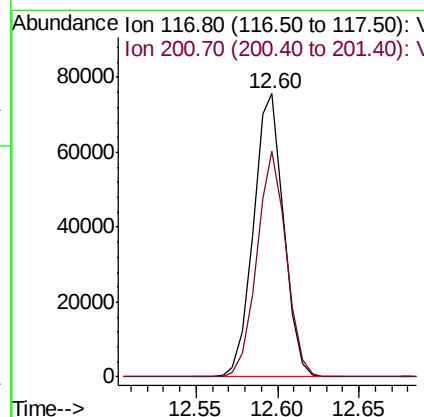
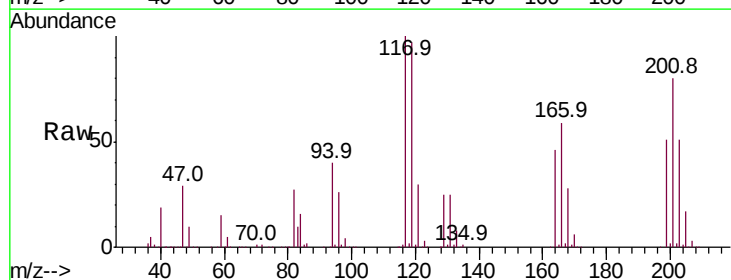
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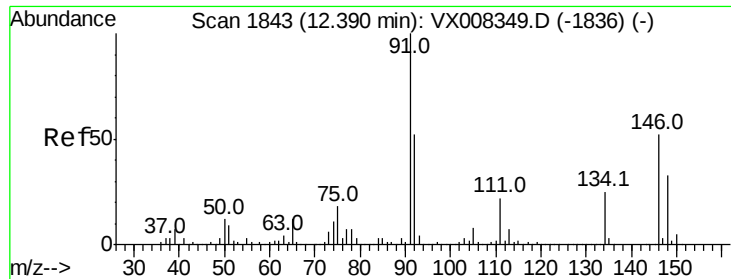
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#90
Hexachloroethane
Concen: 52.590 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008354.D
Acq: 23 Mar 2019 16:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.4	48.9	146.7





#91

1,2-Dichlorobenzene

Concen: 48.574 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX008354.D

Acq: 23 Mar 2019 16:22

Instrument :

MSVOA_X

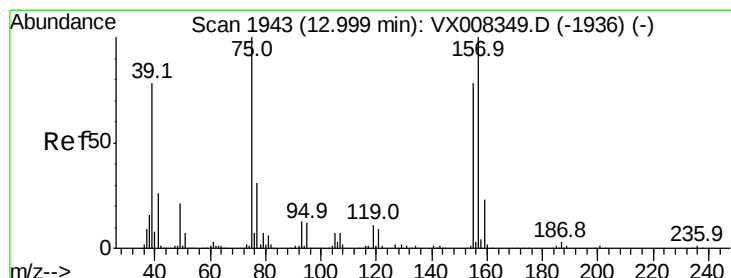
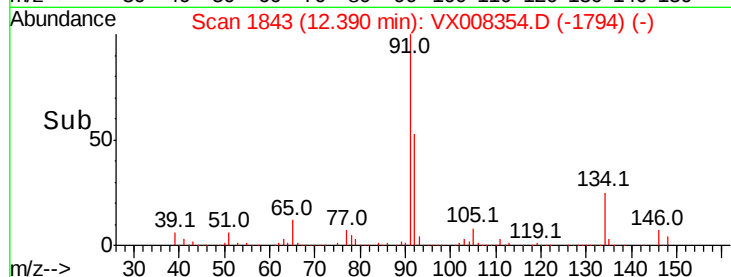
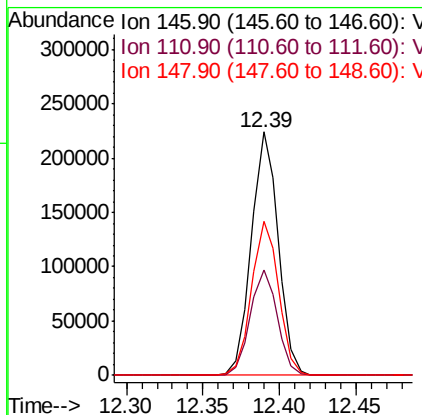
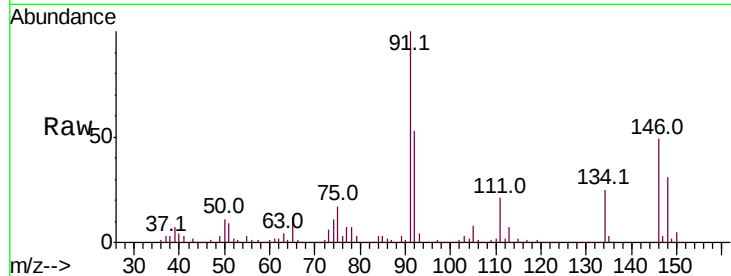
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	274114
Ion Ratio	Lower	Upper	
146	100		
111	43.7	19.6	58.8
148	63.9	31.9	95.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 47.458 ug/l

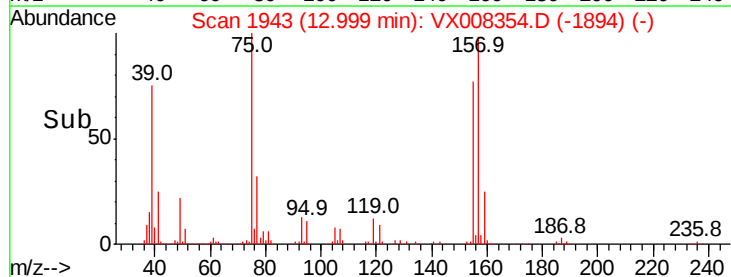
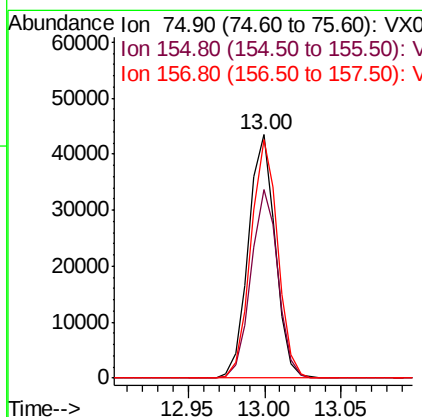
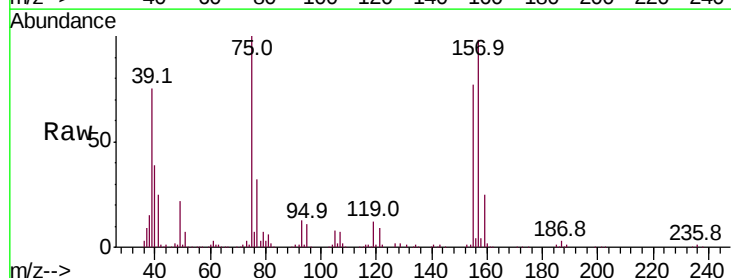
RT: 13.00 min Scan# 1943

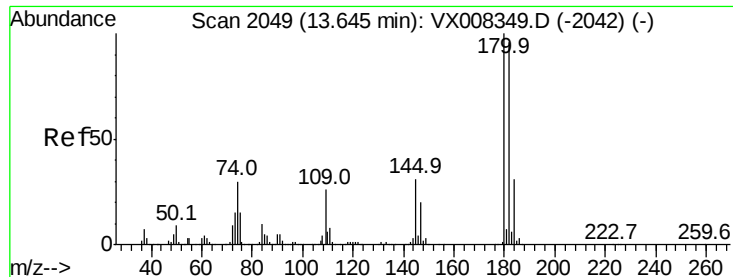
Delta R.T. -0.00 min

Lab File: VX008354.D

Acq: 23 Mar 2019 16:22

Tgt Ion:	75	Resp:	52826
Ion Ratio	Lower	Upper	
75	100		
155	78.1	49.7	149.1
157	98.5	63.8	191.4





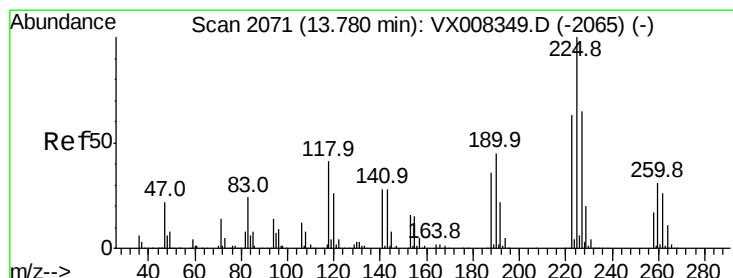
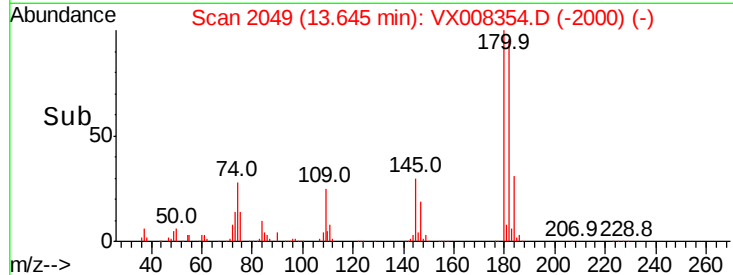
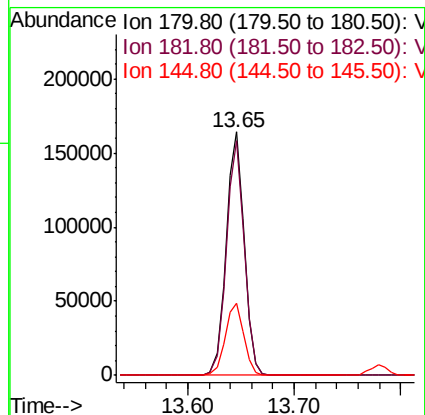
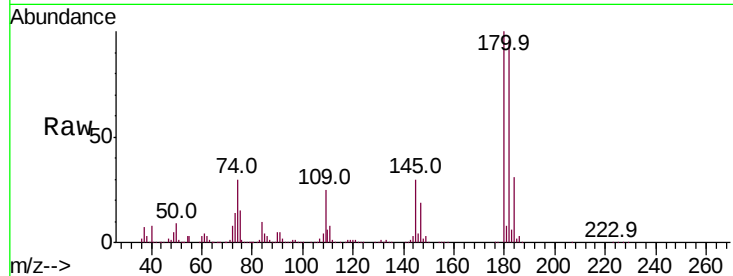
#93
1,2,4-Trichlorobenzene
Concen: 50.997 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX008354.D
Acq: 23 Mar 2019 16:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	194067		
182	95.5	47.9	143.7	
145	30.6	14.1	42.4	

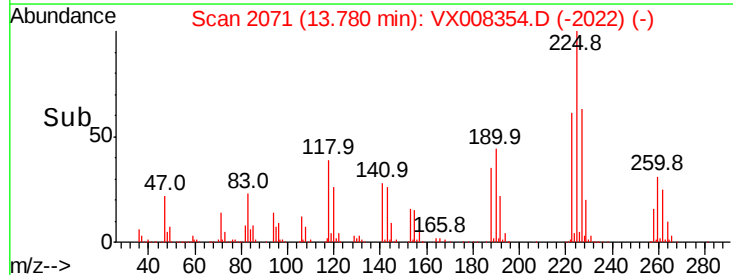
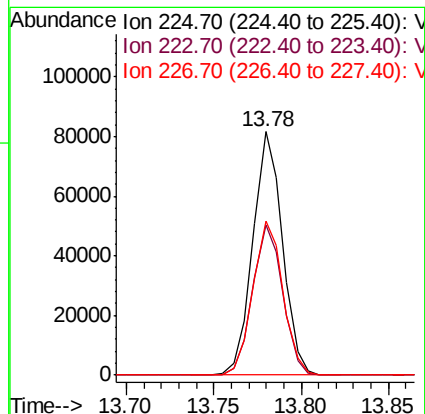
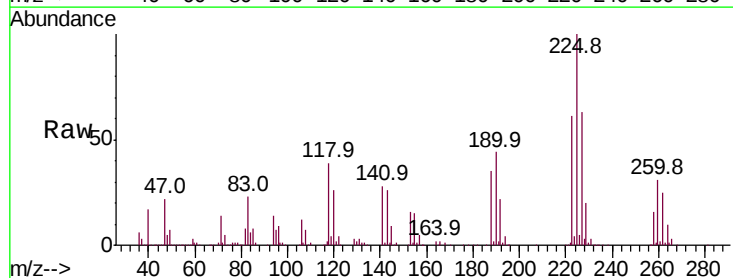
Manual Integrations
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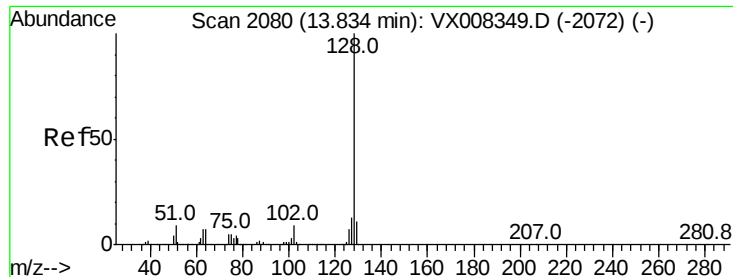
MMDadoda
3/25/2019 11:17:04 AM



#94
Hexachlorobutadiene
Concen: 53.170 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VX008354.D
Acq: 23 Mar 2019 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	95623		
223	62.8	31.1	93.2	
227	64.4	32.0	96.0	





#95

Naphthalene

Concen: 48.680 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008354.D

Acq: 23 Mar 2019 16:22

Instrument :

MSVOA_X

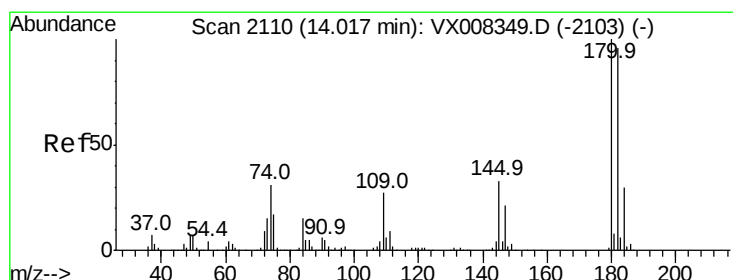
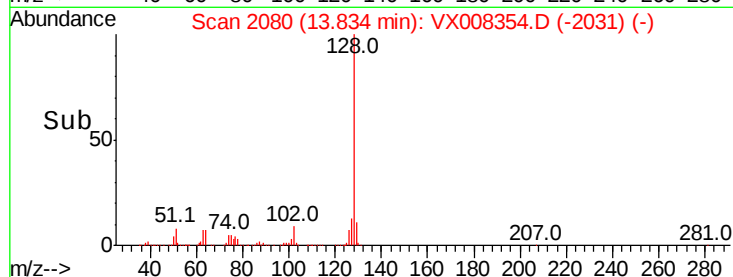
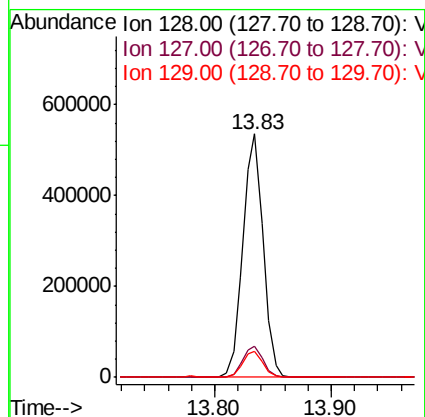
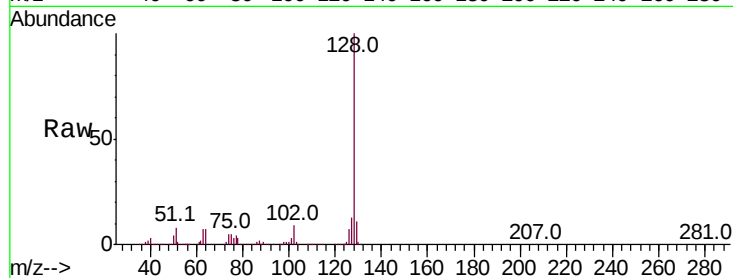
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	650534
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 49.946 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX008354.D

Acq: 23 Mar 2019 16:22

Tgt Ion:	180	Resp:	191792
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.5	142.5
145	32.5	14.8	44.3

