

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032319\
 Data File : VX008349.D
 Acq On : 23 Mar 2019 14:19
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 11:16:46 AM

Quant Time: Mar 23 15:02:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 14:52:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	201491	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	347800	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	309740	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	143925	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	154706	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
35) Dibromofluoromethane	5.49	113	113285	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
50) Toluene-d8	8.71	98	446362	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
62) 4-Bromofluorobenzene	11.13	95	161101	53.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	111858	45.789	ug/l	99
3) Chloromethane	1.32	50	161704	52.753	ug/l	99
4) Vinyl Chloride	1.40	62	160468	52.505	ug/l	100
5) Bromomethane	1.64	94	101853	39.123	ug/l	98
6) Chloroethane	1.71	64	92381	48.209	ug/l	99
7) Trichlorofluoromethane	1.92	101	185460	47.549	ug/l	99
8) Diethyl Ether	2.18	74	87269	43.488	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.38	101	109857	42.422	ug/l	89
10) Methyl Iodide	2.51	142	144253	43.749	ug/l	98
11) Tert butyl alcohol	3.05	59	170090	261.823	ug/l	100
12) 1,1-Dichloroethene	2.37	96	112003	45.813	ug/l	88
13) Acrolein	2.29	56	148916	300.745	ug/l	98
14) Allyl chloride	2.73	41	254273	47.778	ug/l	95
15) Acrylonitrile	3.14	53	437876	254.830	ug/l	99
16) Acetone	2.45	43	382132	222.023	ug/l	98
17) Carbon Disulfide	2.57	76	343156	43.527	ug/l	99
18) Methyl Acetate	2.78	43	188141	47.217	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	415233	46.974	ug/l	98
20) Methylene Chloride	2.85	84	130934	45.621	ug/l	91
21) trans-1,2-Dichloroethene	3.17	96	120347	45.566	ug/l	93
22) Diisopropyl ether	3.85	45	495598	47.547	ug/l #	83
23) Vinyl Acetate	3.81	43	2247016	251.448	ug/l	97
24) 1,1-Dichloroethane	3.70	63	250471	46.722	ug/l	98
25) 2-Butanone	4.67	43	637557	250.944	ug/l	97
26) 2,2-Dichloropropane	4.58	77	164914	40.836	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	139993	46.496	ug/l	90
28) Bromochloromethane	5.02	49	132072	54.865	ug/l #	78
29) Tetrahydrofuran	5.13	42	424728	267.423	ug/l	95
30) Chloroform	5.21	83	226193	45.107	ug/l	100
31) Cyclohexane	5.58	56	239466	47.569	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	181638	43.543	ug/l	96
36) 1,1-Dichloropropene	5.80	75	176880	43.681	ug/l	96
37) Ethyl Acetate	4.84	43	244614	51.103	ug/l	98
38) Carbon Tetrachloride	5.79	117	152403	42.241	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	216142	44.356	ug/l	92
40) Benzene	6.14	78	535625	44.691	ug/l	100
41) Methacrylonitrile	5.04	41	135930	50.626	ug/l	97
42) 1,2-Dichloroethane	6.20	62	191073	43.520	ug/l	96
43) Isopropyl Acetate	6.45	43	383577	49.993	ug/l	97
44) Trichloroethene	7.21	130	121663	41.516	ug/l	88
45) 1,2-Dichloropropane	7.51	63	153619	45.787	ug/l	99
46) Dibromomethane	7.66	93	88604	43.617	ug/l #	84
47) Bromodichloromethane	7.90	83	175725	45.391	ug/l	99
48) Methyl methacrylate	7.77	41	191360	46.907	ug/l	94
49) 1,4-Dioxane	7.74	88	74952	1041.125	ug/l	92
51) 4-Methyl-2-Pentanone	8.64	43	1239178	249.822	ug/l	98
52) Toluene	8.79	92	316303	44.485	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	196496	45.353	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	224344	46.693	ug/l	93
55) 1,1,2-Trichloroethane	9.21	97	129642	45.128	ug/l	96
56) Ethyl methacrylate	9.18	69	240989	52.442	ug/l	92
57) 1,3-Dichloropropane	9.37	76	233211	45.890	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	659522	280.198	ug/l	92
59) 2-Hexanone	9.49	43	950656	248.942	ug/l	97
60) Dibromochloromethane	9.59	129	127774	46.280	ug/l	99
61) 1,2-Dibromoethane	9.67	107	134864	44.960	ug/l	99
64) Tetrachloroethene	9.34	164	98492	35.246	ug/l	96
65) Chlorobenzene	10.14	112	317697	41.685	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	113533	42.725	ug/l	99
67) Ethyl Benzene	10.25	91	600934	44.744	ug/l	97
68) m/p-Xylenes	10.36	106	435958	88.366	ug/l	92
69) o-Xylene	10.70	106	212515	44.330	ug/l	94
70) Styrene	10.71	104	373764	47.974	ug/l	97
71) Bromoform	10.85	173	89305	44.182	ug/l #	99
73) Isopropylbenzene	11.02	105	559572	43.618	ug/l	98
74) N-amyl acetate	10.90	43	346104	51.493	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	220431	47.918	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	182524m	45.089	ug/l	
77) Bromobenzene	11.26	156	131279	42.324	ug/l	80
78) n-propylbenzene	11.36	91	666510	44.732	ug/l	95
79) 2-Chlorotoluene	11.42	91	393191	43.965	ug/l	95
80) 1,3,5-Trimethylbenzene	11.51	105	476841	44.991	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	71763	50.707	ug/l	94
82) 4-Chlorotoluene	11.51	91	457379	43.950	ug/l	93
83) tert-Butylbenzene	11.77	119	464259	45.881	ug/l	95
84) 1,2,4-Trimethylbenzene	11.80	105	478231	44.508	ug/l	97
85) sec-Butylbenzene	11.94	105	546758	43.632	ug/l	95
86) p-Isopropyltoluene	12.06	119	491114	45.277	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	234632	42.327	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	233461	40.716	ug/l	97
89) n-Butylbenzene	12.38	91	469896	46.156	ug/l	97
90) Hexachloroethane	12.60	117	81383	44.055	ug/l	80
91) 1,2-Dichlorobenzene	12.39	146	236556	42.323	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	49464	48.412	ug/l	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	159307	43.271	ug/l	99
94) Hexachlorobutadiene	13.78	225	76950	42.856	ug/l	98
95) Naphthalene	13.83	128	576884	49.647	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	162972	44.988	ug/l	98

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

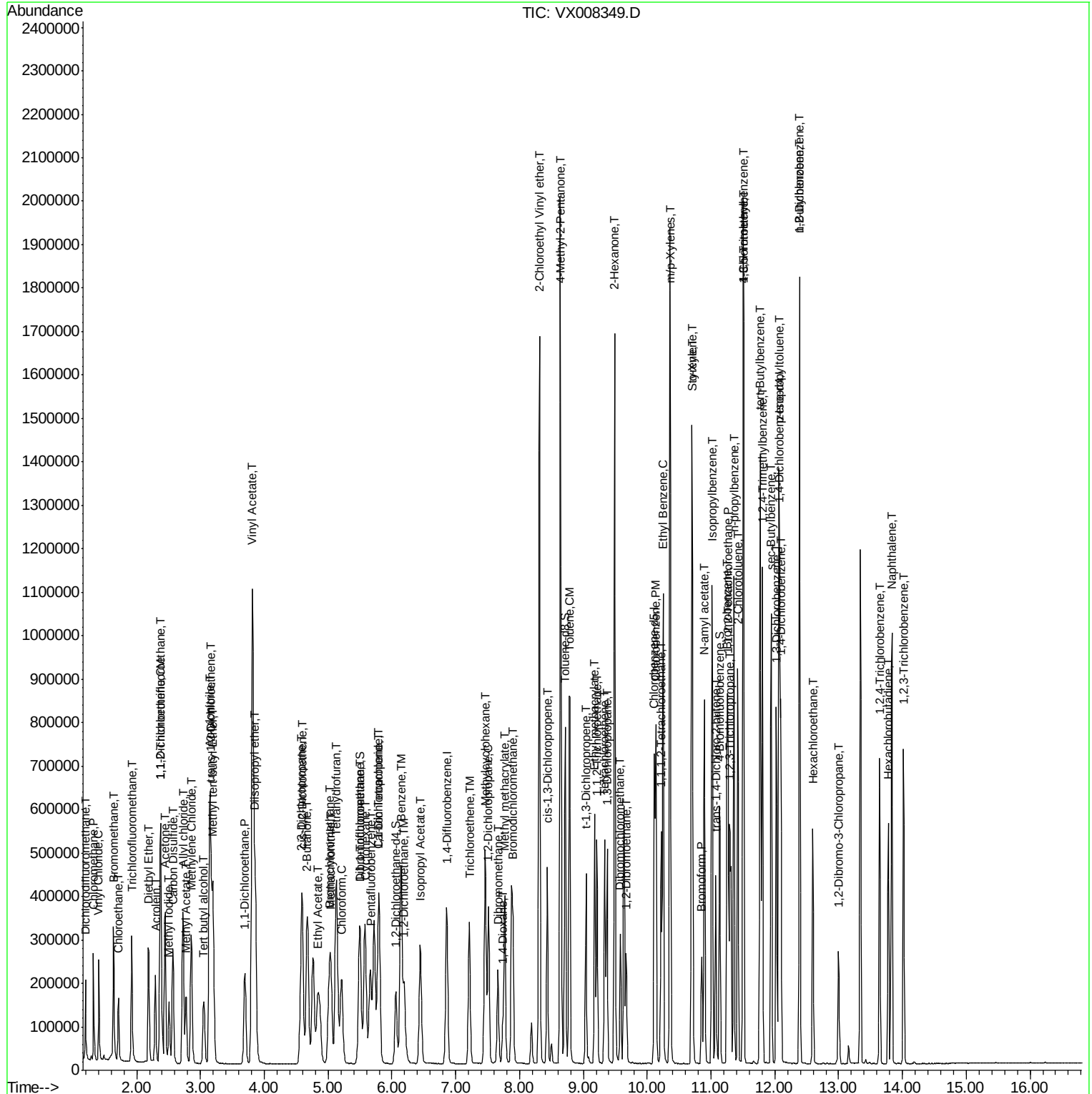
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032319\
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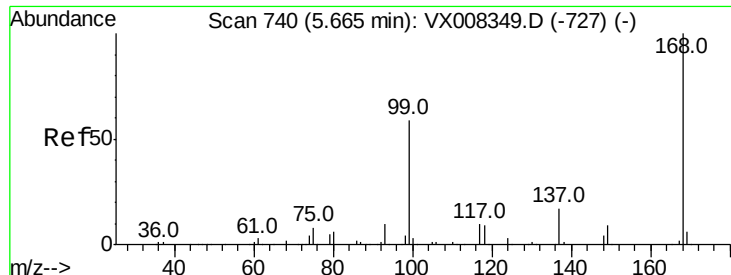
Instrument :
MSVOA_X
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX008349.D

Acq: 23 Mar 2019 14:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 201491

Ion Ratio Lower Upper

168 100

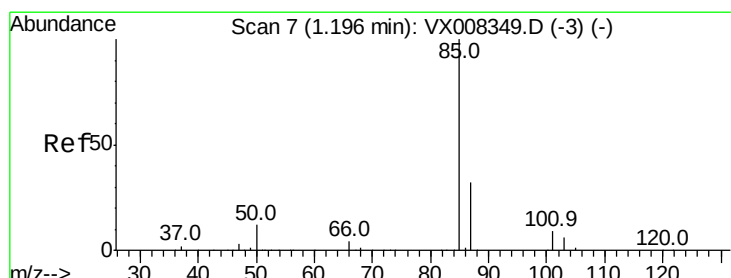
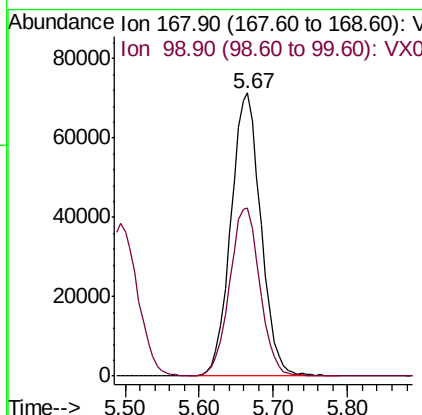
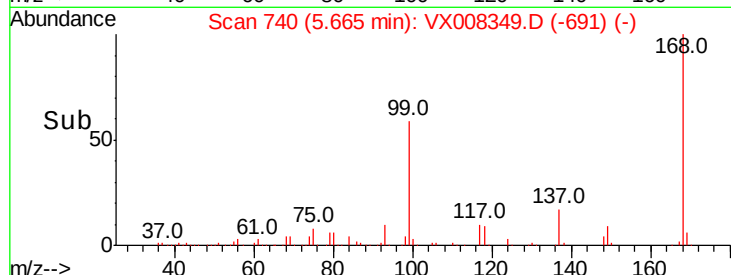
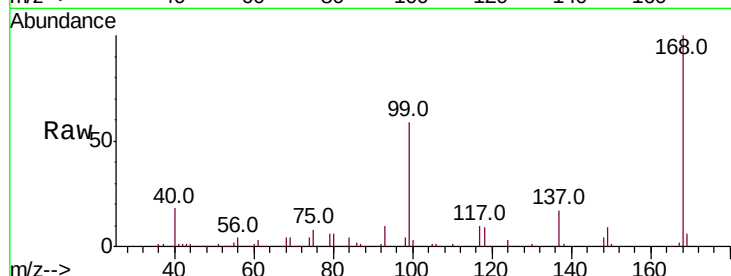
99 59.1 37.6 56.4#

Manual Integrations

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3/25/2019 11:16:46 AM



#2

Dichlorodifluoromethane

Concen: 45.789 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008349.D

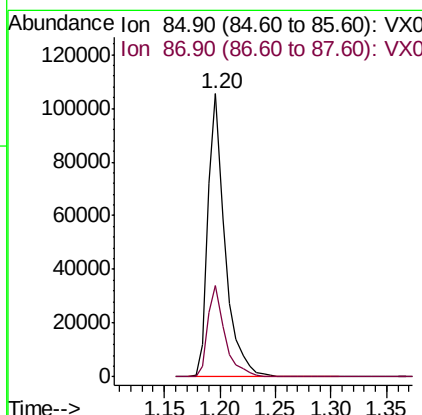
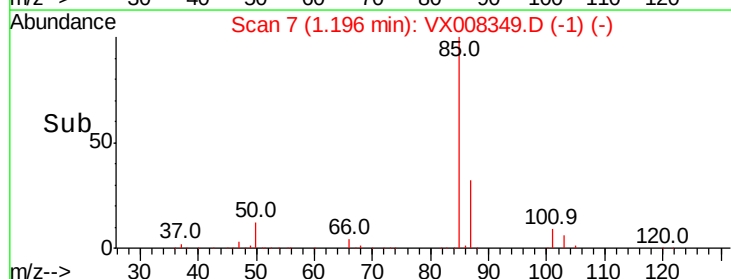
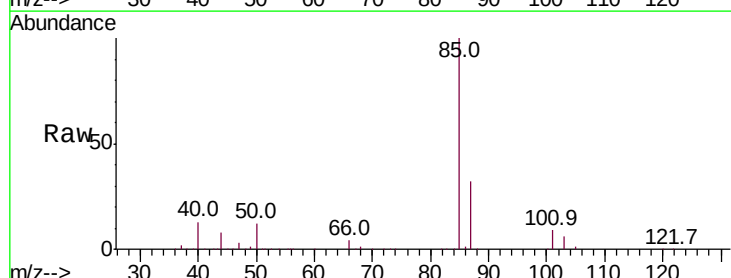
Acq: 23 Mar 2019 14:19

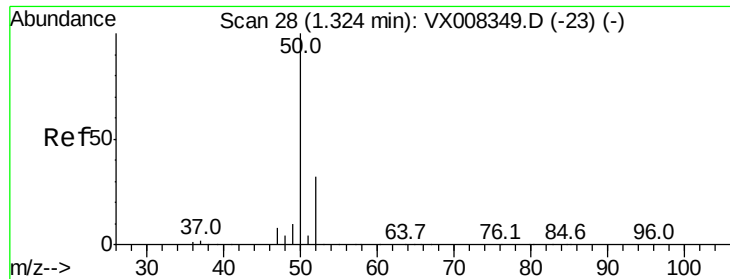
Tgt Ion: 85 Resp: 111858

Ion Ratio Lower Upper

85 100

87 32.4 16.4 49.1





#3

Chloromethane

Concen: 52.753 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008349.D

Acq: 23 Mar 2019 14:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 161704

Ion Ratio Lower Upper

50 100

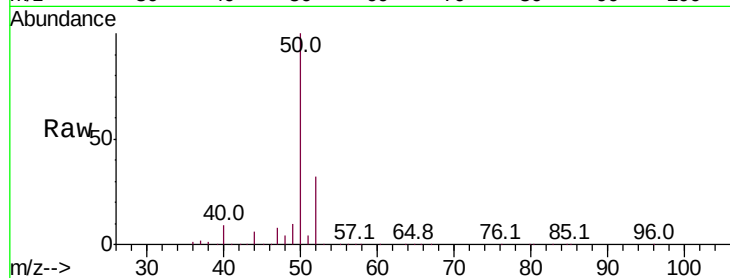
52 32.3 26.5 39.7

Manual Integrations

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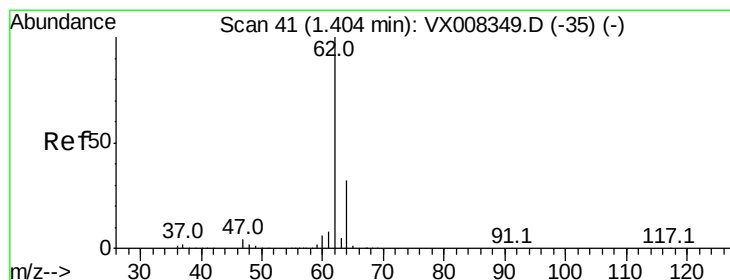
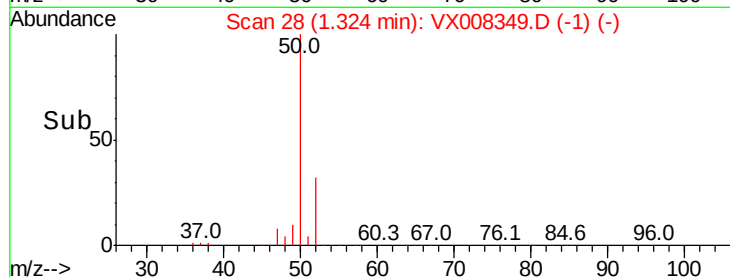
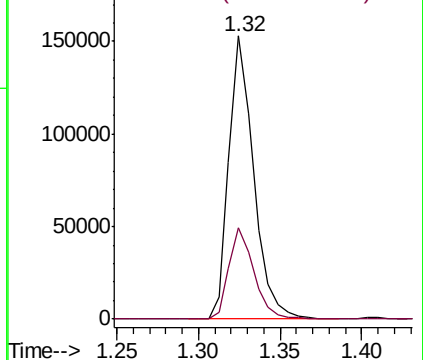
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 52.505 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX008349.D

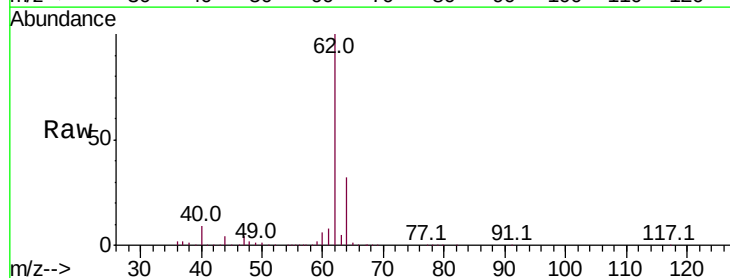
Acq: 23 Mar 2019 14:19

Tgt Ion: 62 Resp: 160468

Ion Ratio Lower Upper

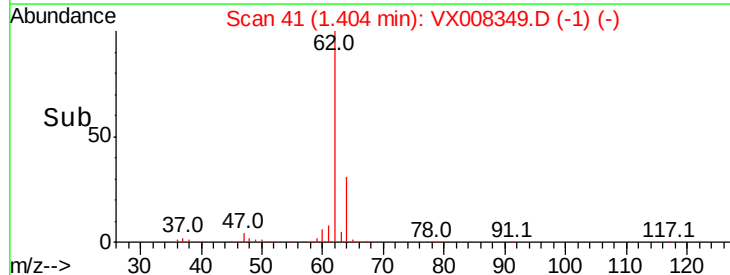
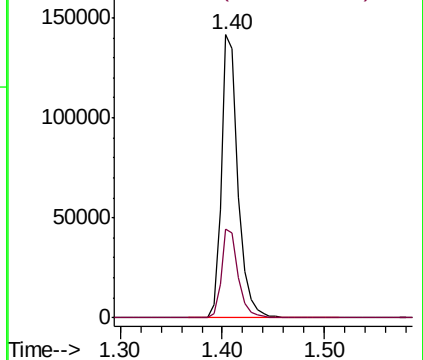
62 100

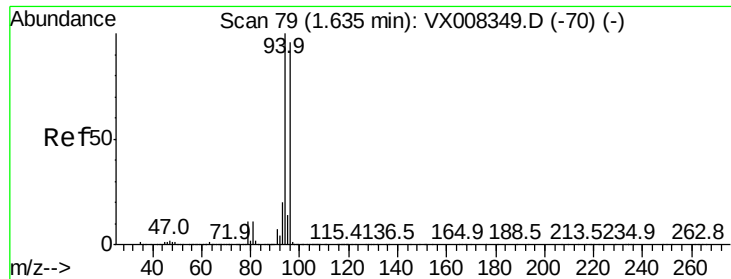
64 31.6 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 39.123 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008349.D

Acq: 23 Mar 2019 14:19

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 101853

Ion Ratio Lower Upper

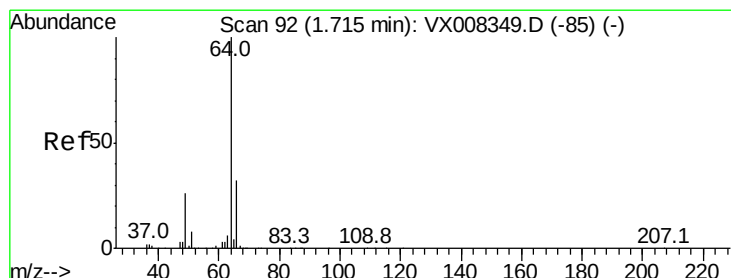
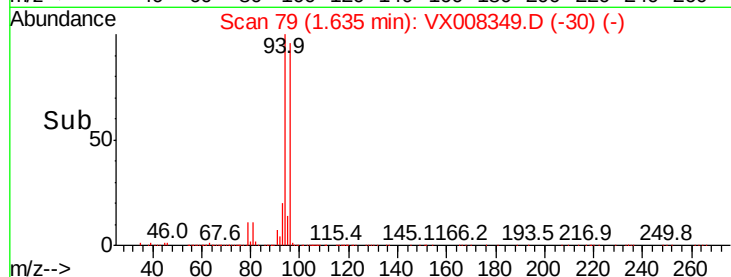
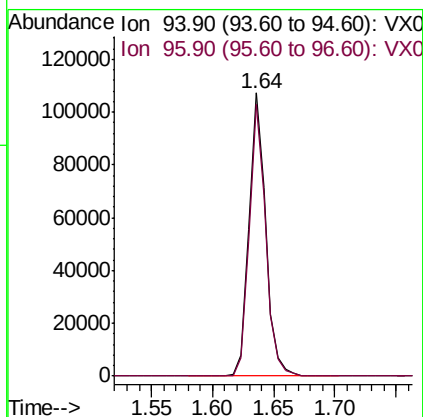
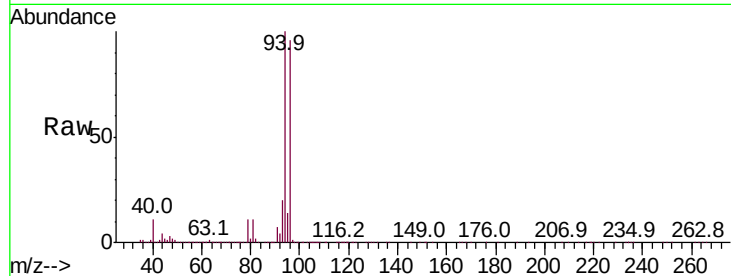
94 100

96 96.0 75.5 113.3

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3/25/2019 11:16:46 AM



#6

Chloroethane

Concen: 48.209 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX008349.D

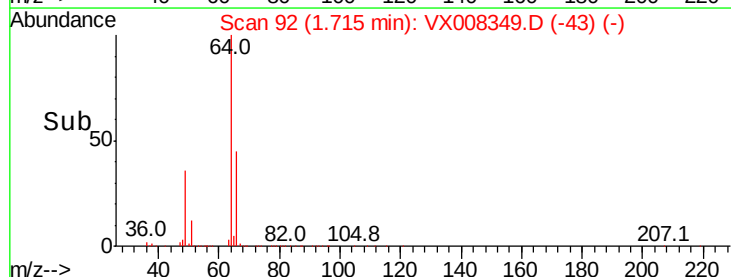
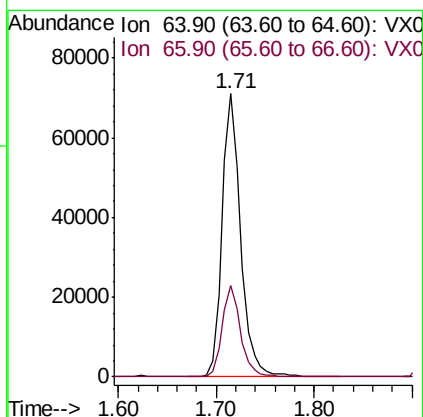
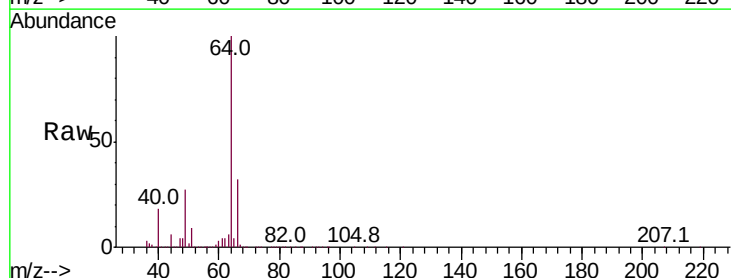
Acq: 23 Mar 2019 14:19

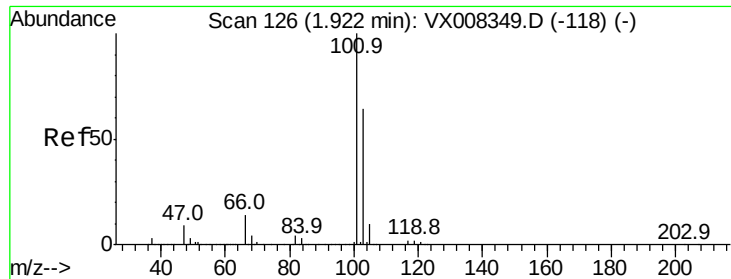
Tgt Ion: 64 Resp: 92381

Ion Ratio Lower Upper

64 100

66 32.3 25.2 37.8





#7

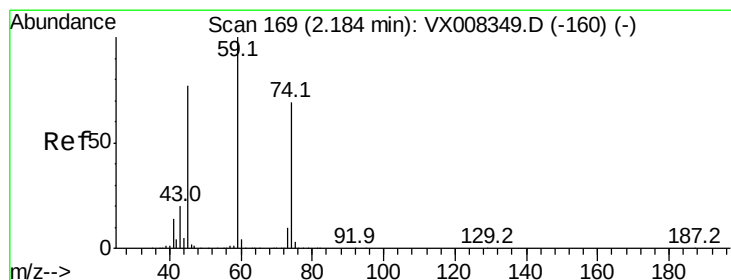
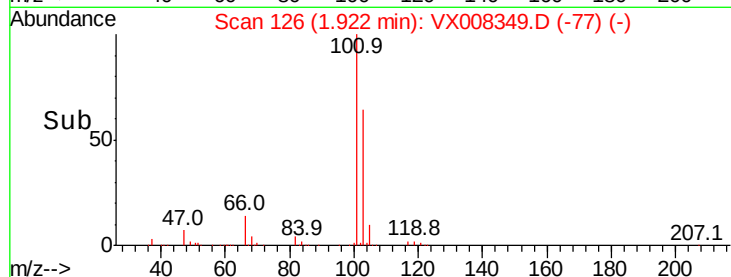
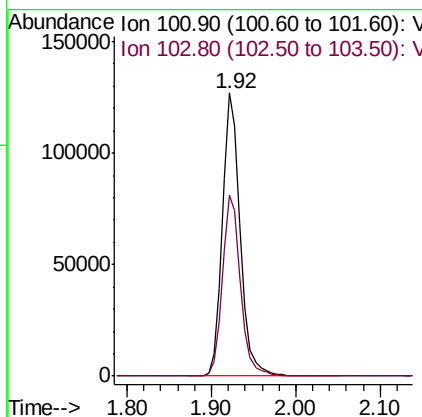
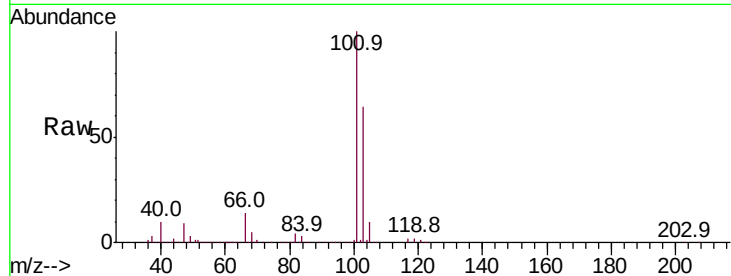
Trichlorofluoromethane
Concen: 47.549 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX008349.D
Acq: 23 Mar 2019 14:19

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	50.4	75.6

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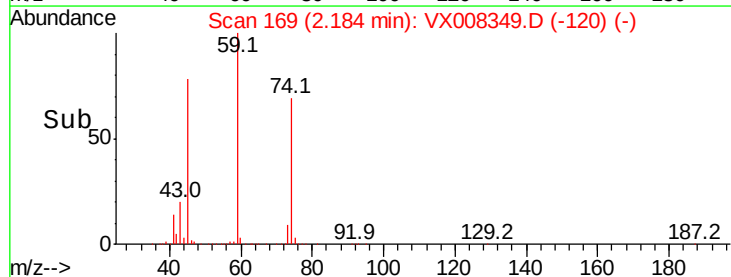
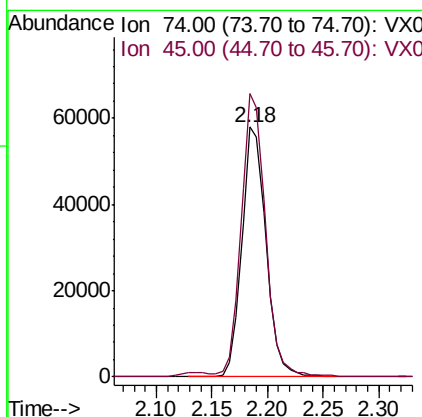
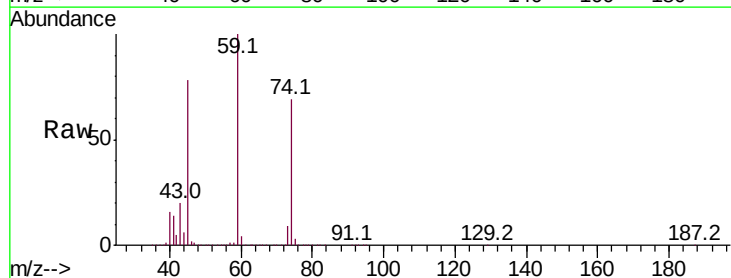
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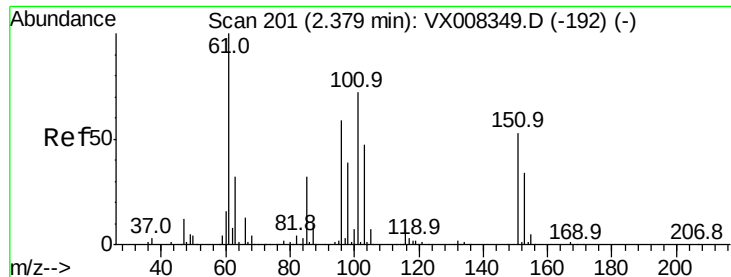


#8

Diethyl Ether
Concen: 43.488 ug/l
RT: 2.18 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX008349.D
Acq: 23 Mar 2019 14:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.4	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.422 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX008349.D

Acq: 23 Mar 2019 14:19

Instrument :

MSVOA_X

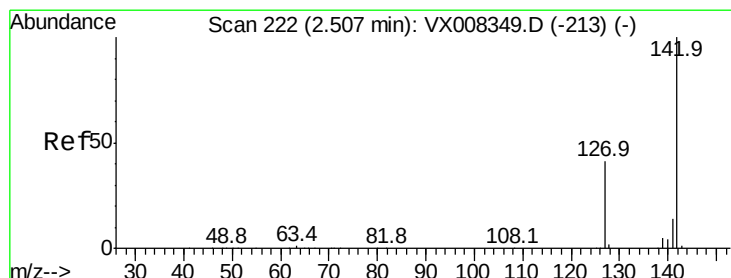
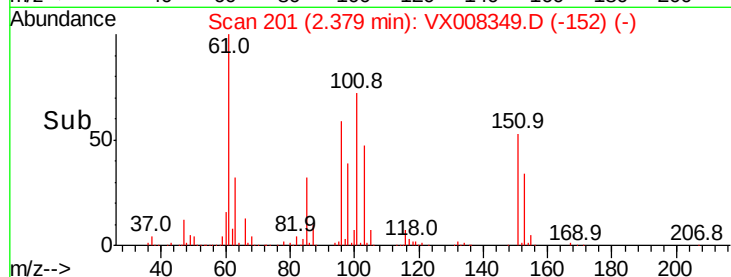
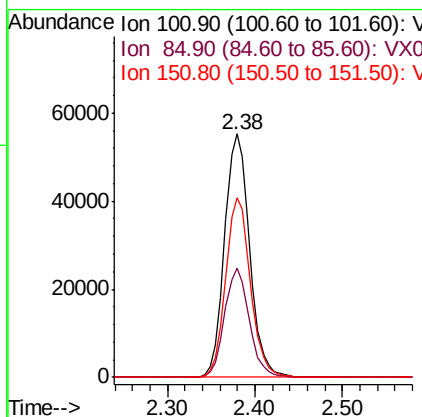
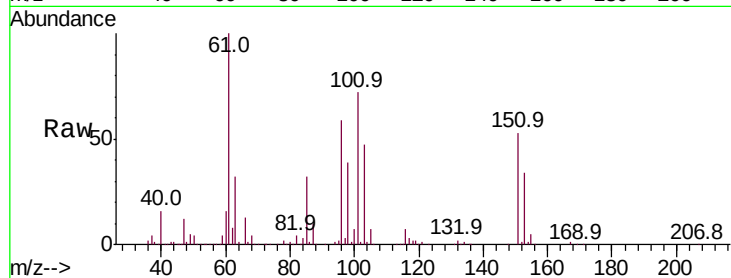
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	109857
Ion Ratio	Lower	Upper	
101	100		
85	44.4	33.8	50.6
151	73.1	69.1	103.7

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#10

Methyl Iodide

Concen: 43.749 ug/l

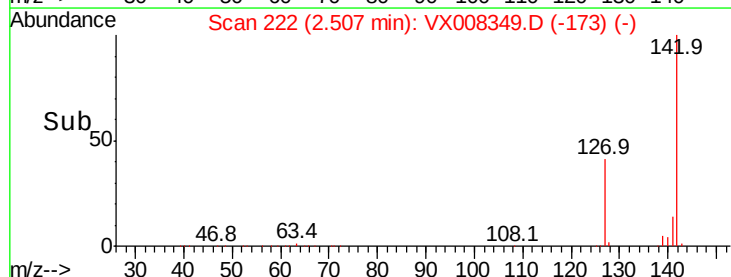
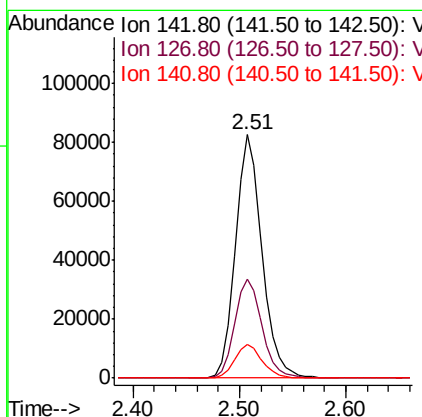
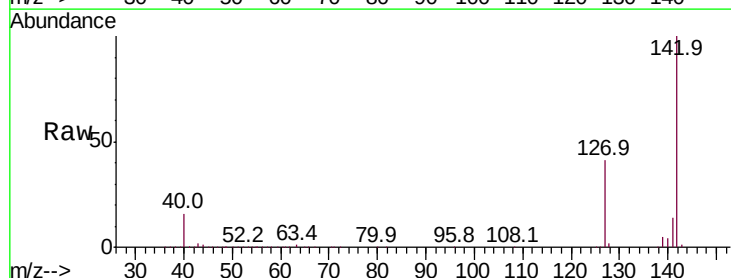
RT: 2.51 min Scan# 222

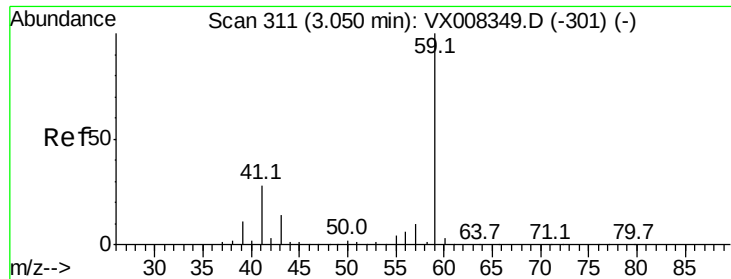
Delta R.T. 0.00 min

Lab File: VX008349.D

Acq: 23 Mar 2019 14:19

Tgt Ion:	142	Resp:	144253
Ion Ratio	Lower	Upper	
142	100		
127	42.0	32.1	48.1
141	14.2	11.4	17.2





#11

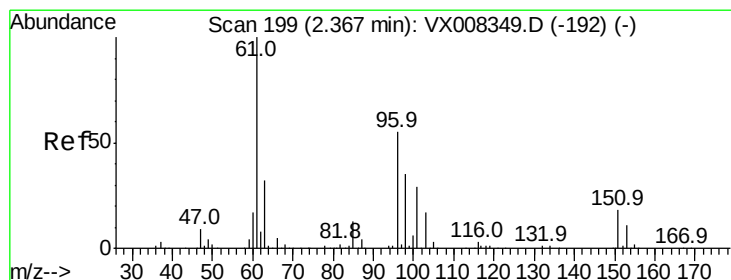
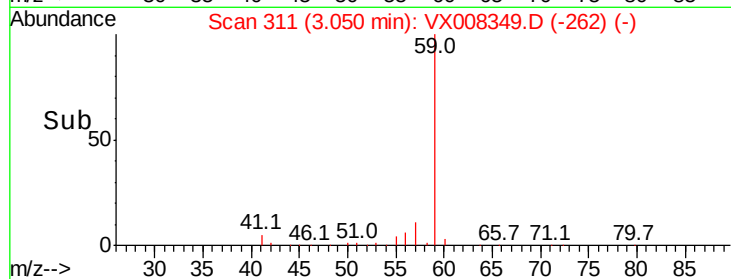
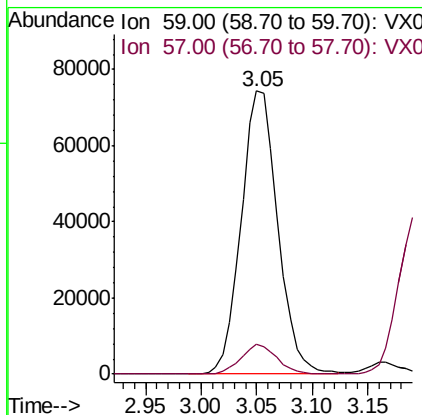
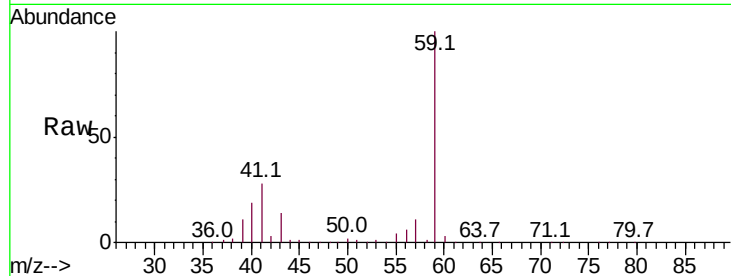
Tert butyl alcohol
 Concen: 261.823 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. 0.00 min
 Lab File: VX008349.D
 Acq: 23 Mar 2019 14:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2

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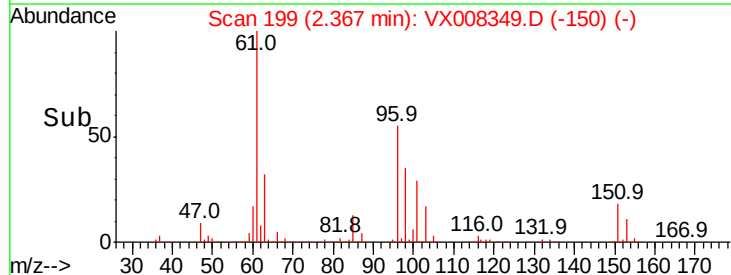
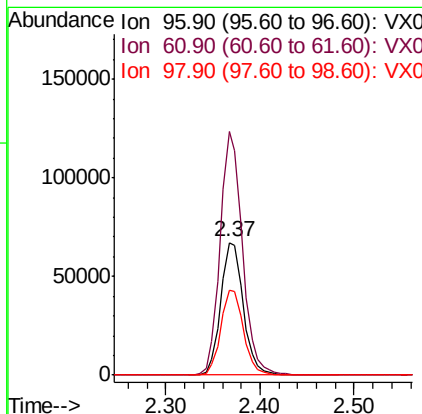
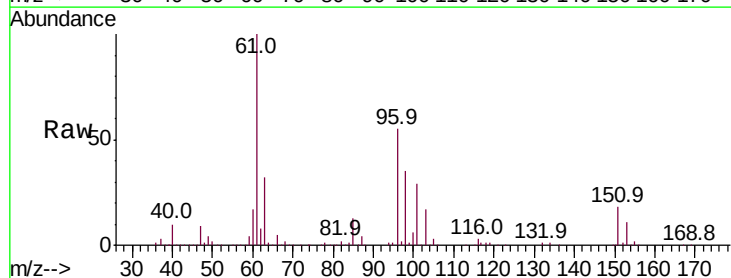
MMDadoda
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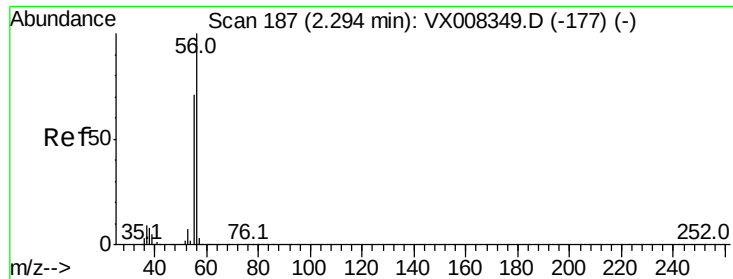


#12

1,1-Dichloroethene
 Concen: 45.813 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. 0.00 min
 Lab File: VX008349.D
 Acq: 23 Mar 2019 14:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.3	129.8	194.6
98	64.3	51.0	76.6





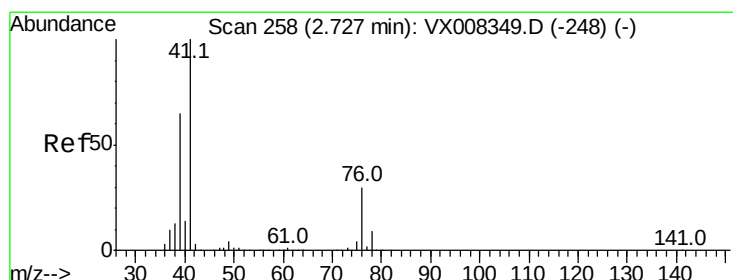
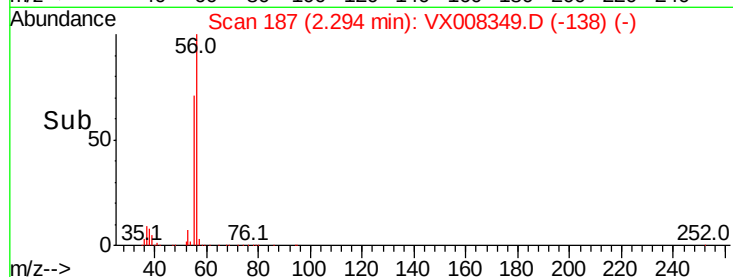
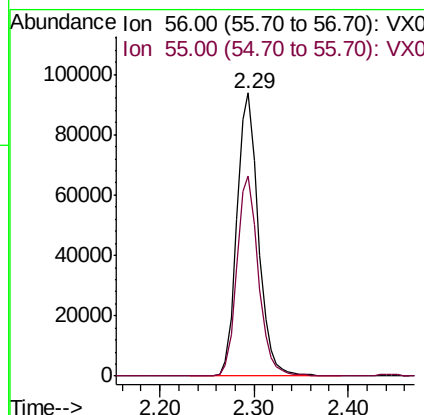
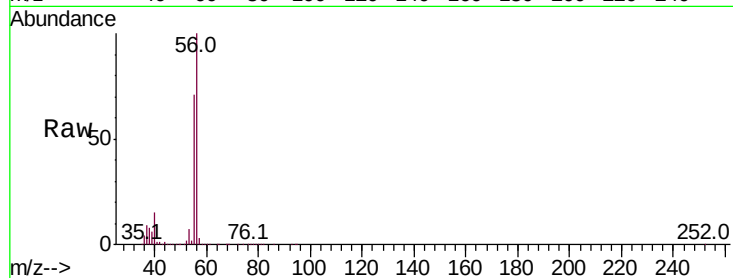
#13
Acrolein
Concen: 300.745 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX008349.D
Acq: 23 Mar 2019 14:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.2	57.8	86.6

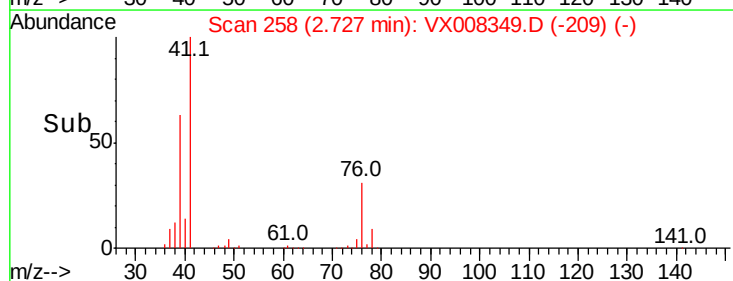
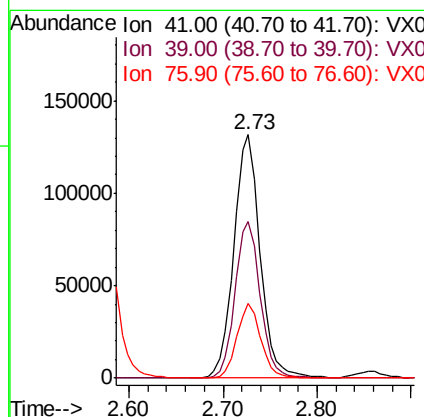
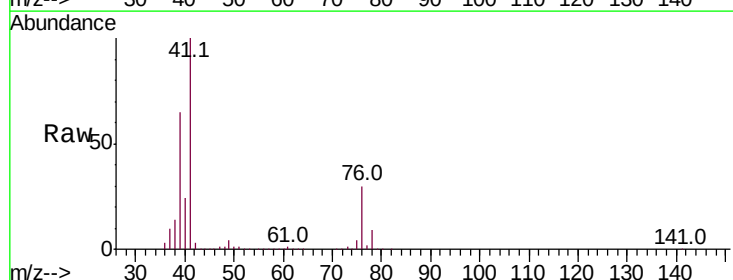
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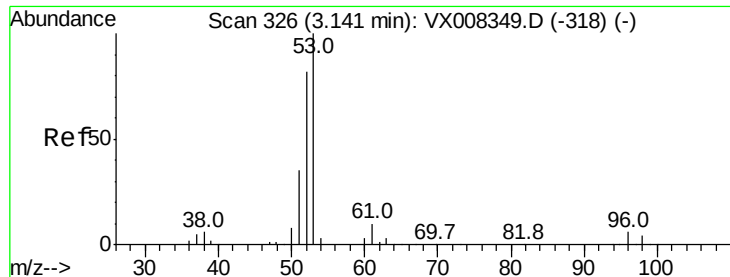
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#14
Allyl chloride
Concen: 47.778 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX008349.D
Acq: 23 Mar 2019 14:19

Tgt Ion	Ratio	Lower	Upper
41	100		
39	61.7	46.1	69.1
76	27.8	24.0	36.0





#15

Acrylonitrile

Concen: 254.830 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX008349.D

Acq: 23 Mar 2019 14:19

Instrument :

MSVOA_X

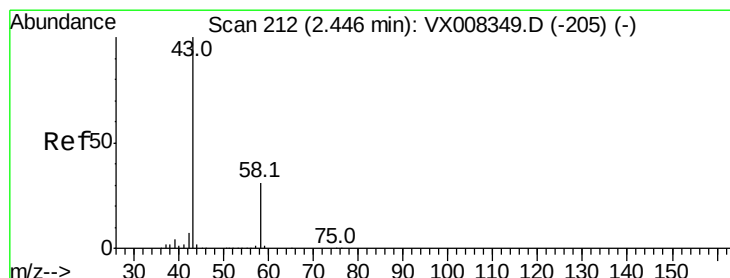
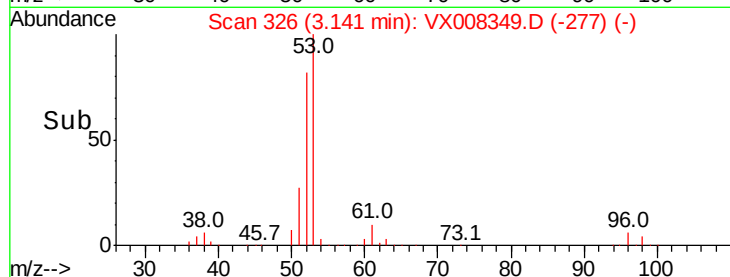
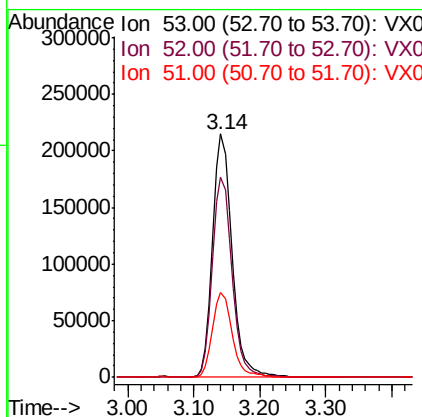
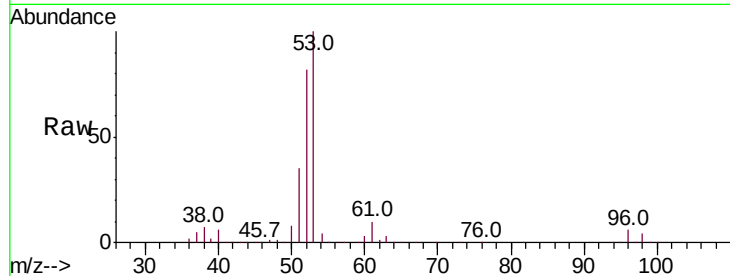
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	437876
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.0	99.0
51	35.7	28.0	42.0

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#16

Acetone

Concen: 222.023 ug/l

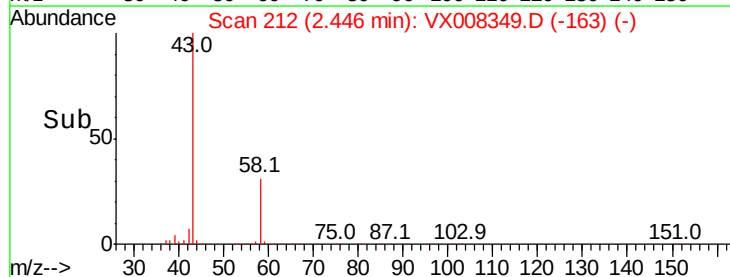
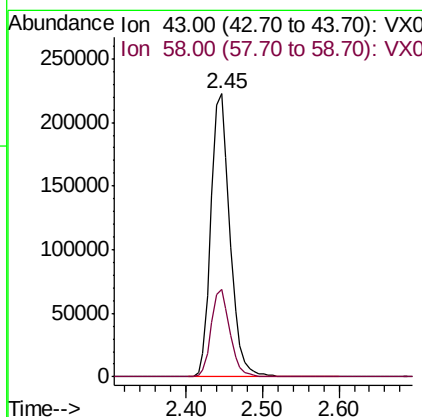
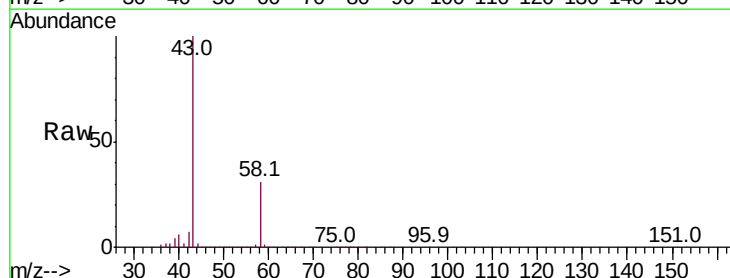
RT: 2.45 min Scan# 212

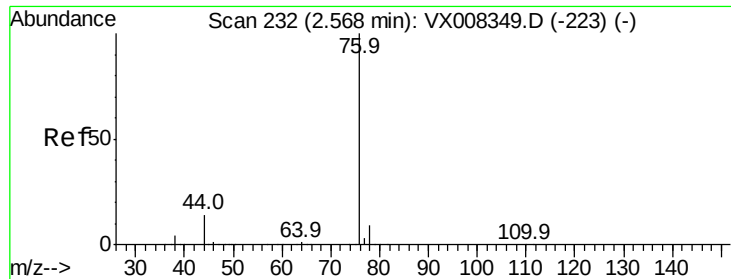
Delta R.T. 0.00 min

Lab File: VX008349.D

Acq: 23 Mar 2019 14:19

Tgt Ion:	43	Resp:	382132
Ion	Ratio	Lower	Upper
43	100		
58	30.9	25.5	38.3





#17

Carbon Disulfide

Concen: 43.527 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008349.D

Acq: 23 Mar 2019 14:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 343156

Ion Ratio Lower Upper

76 100

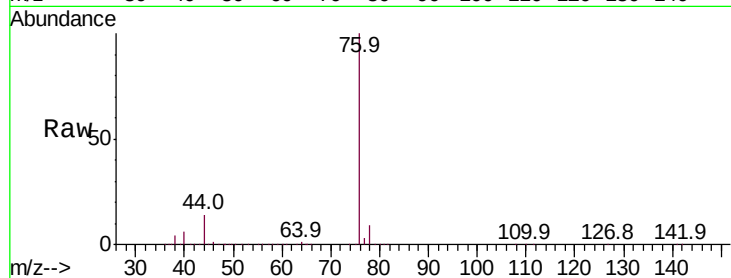
78 9.2 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

200000

150000

100000

50000

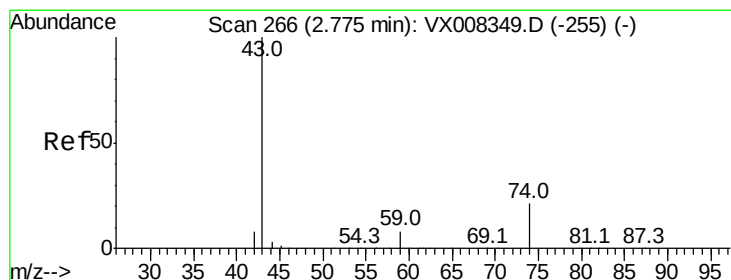
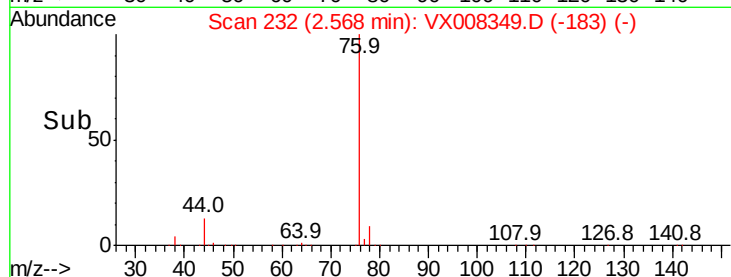
0

2.50

2.60

2.70

Time-->



#18

Methyl Acetate

Concen: 47.217 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX008349.D

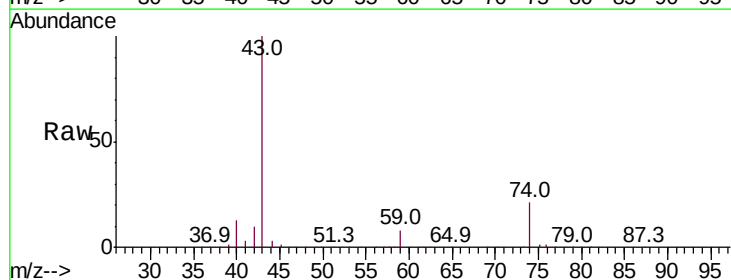
Acq: 23 Mar 2019 14:19

Tgt Ion: 43 Resp: 188141

Ion Ratio Lower Upper

43 100

74 21.0 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

120000

100000

80000

60000

40000

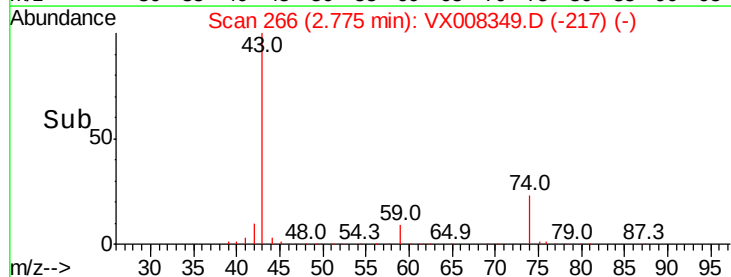
20000

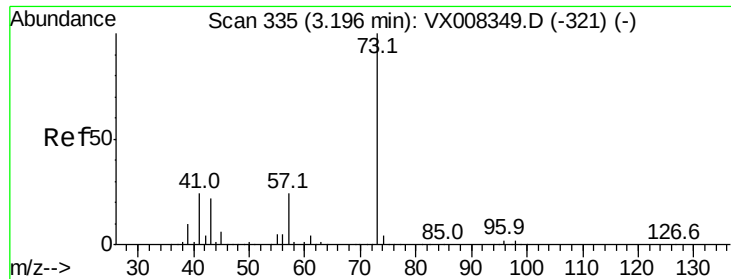
0

2.70

2.80

Time-->





#19

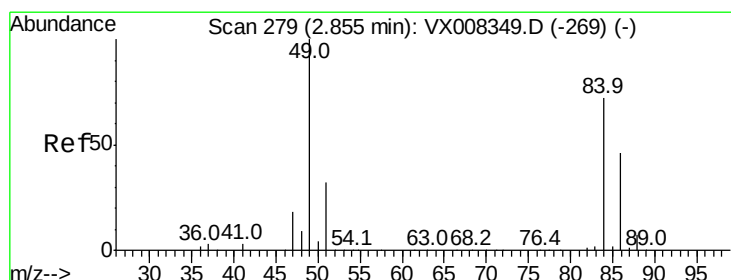
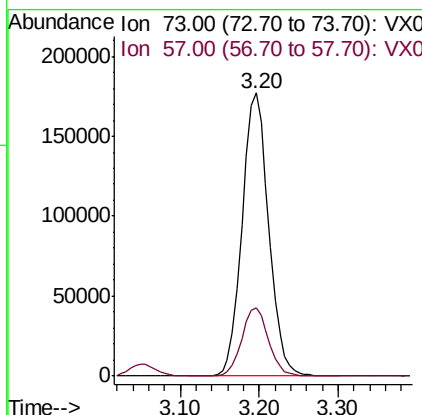
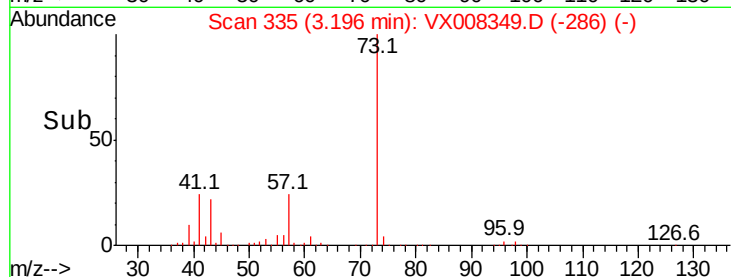
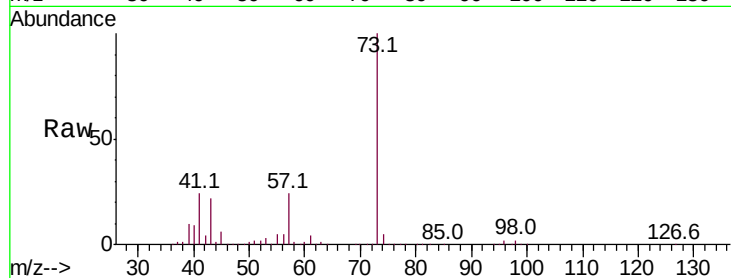
Methyl tert-butyl Ether
 Concen: 46.974 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VX008349.D
 Acq: 23 Mar 2019 14:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion: 73 Resp: 415233
 Ion Ratio Lower Upper
 73 100
 57 23.9 18.2 27.4

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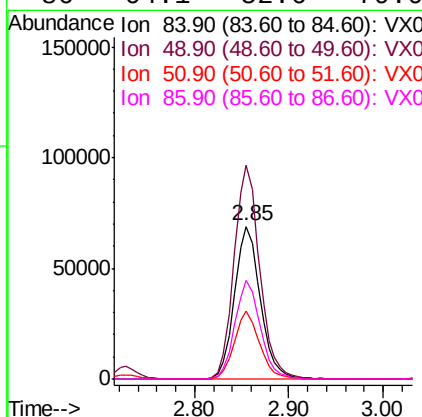
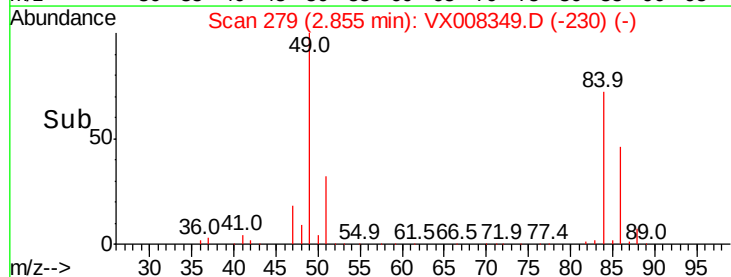
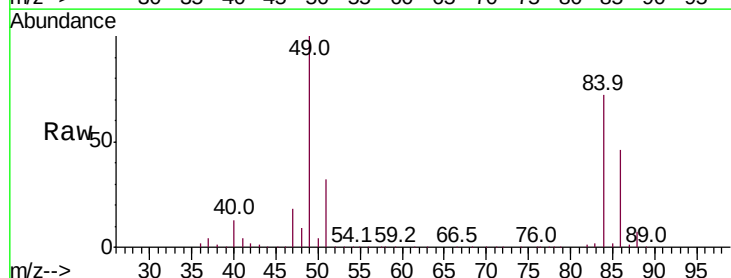
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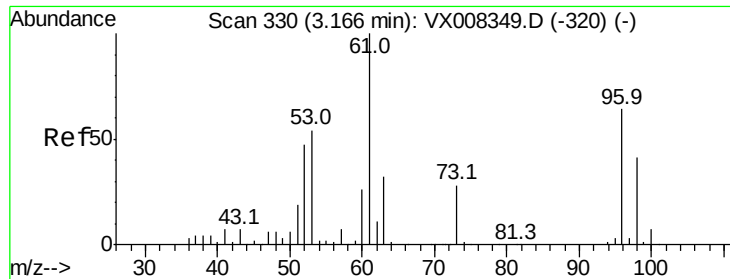


#20

Methylene Chloride
 Concen: 45.621 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX008349.D
 Acq: 23 Mar 2019 14:19

Tgt Ion: 84 Resp: 130934
 Ion Ratio Lower Upper
 84 100
 49 139.4 99.3 148.9
 51 44.1 31.3 46.9
 86 64.1 52.6 79.0





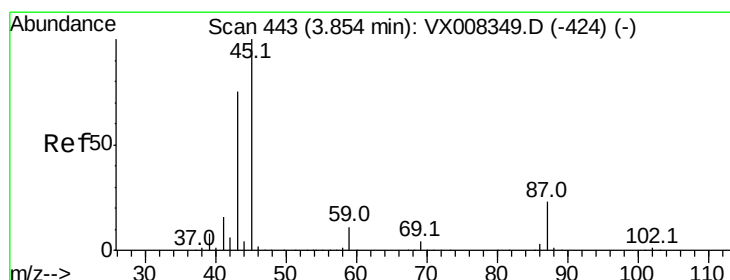
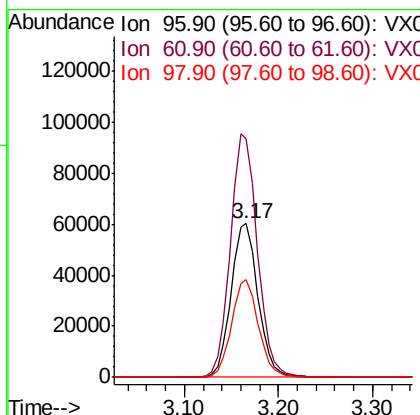
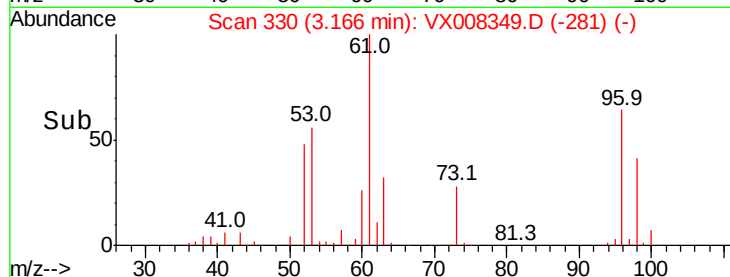
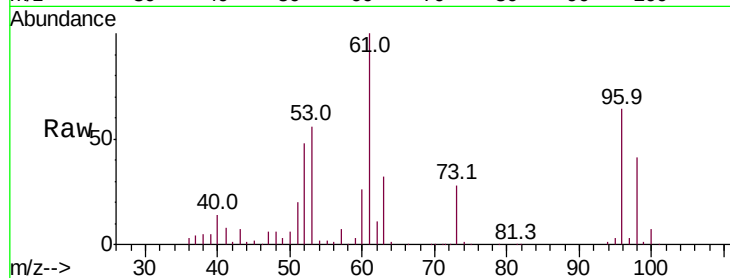
#21
trans-1,2-Dichloroethene
Concen: 45.566 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.00 min
Lab File: VX008349.D
Acq: 23 Mar 2019 14:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.7	114.4	171.6
98	63.7	51.1	76.7

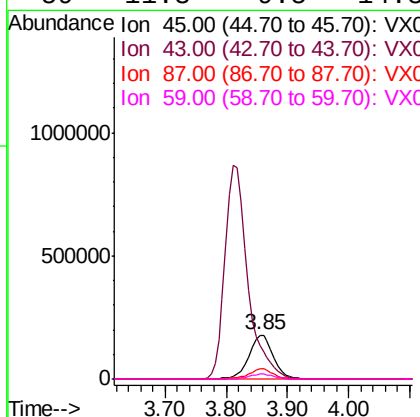
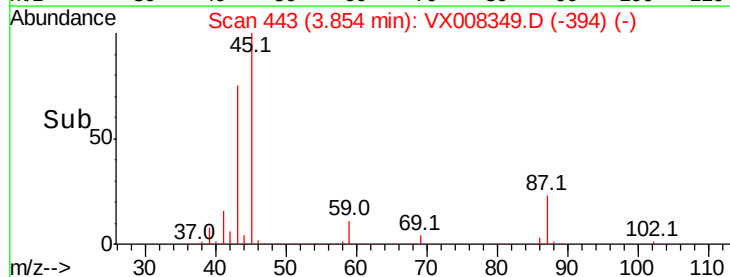
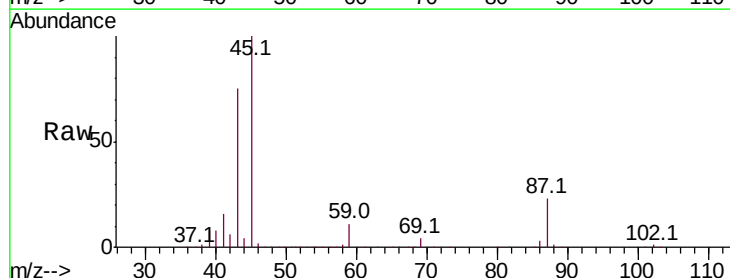
Manual Integrations
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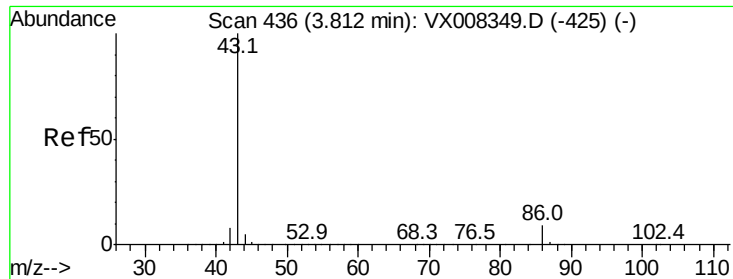
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#22
Diisopropyl ether
Concen: 47.547 ug/l
RT: 3.85 min Scan# 443
Delta R.T. 0.00 min
Lab File: VX008349.D
Acq: 23 Mar 2019 14:19

Tgt Ion	Ratio	Lower	Upper
45	100		
43	74.7	45.3	67.9#
87	22.8	21.4	32.0
59	11.3	9.5	14.3





#23

Vinyl Acetate

Concen: 251.448 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX008349.D

Acq: 23 Mar 2019 14:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 2247016

Ion Ratio Lower Upper

43 100

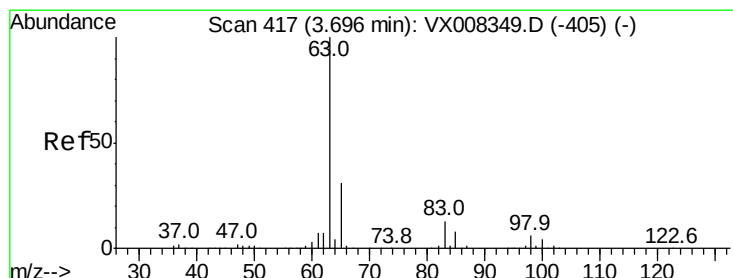
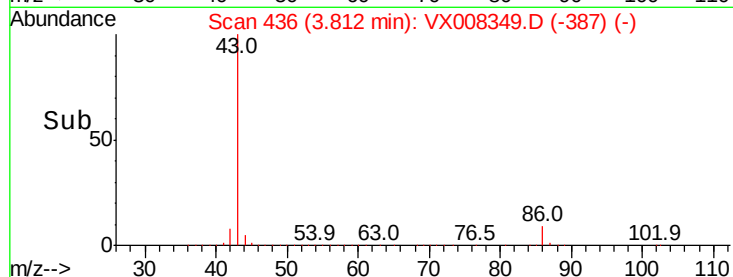
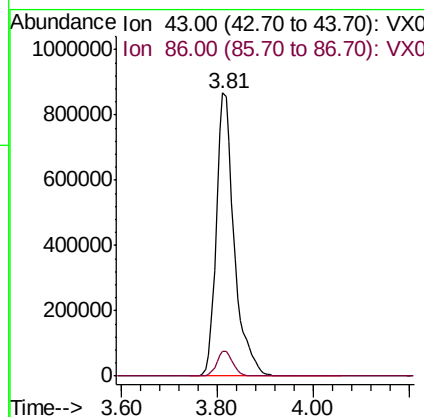
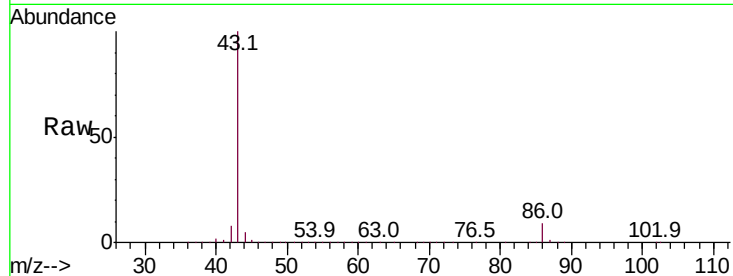
86 8.7 7.9 11.9

Manual Integrations

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3/25/2019 11:16:46 AM



#24

1,1-Dichloroethane

Concen: 46.722 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008349.D

Acq: 23 Mar 2019 14:19

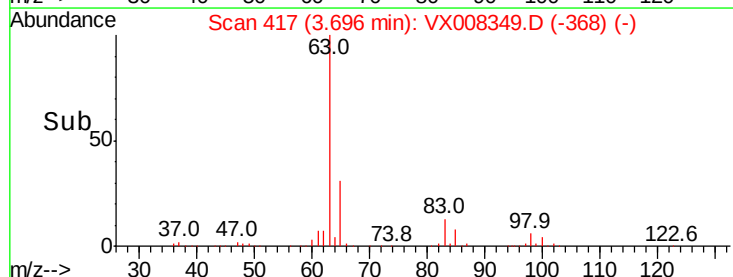
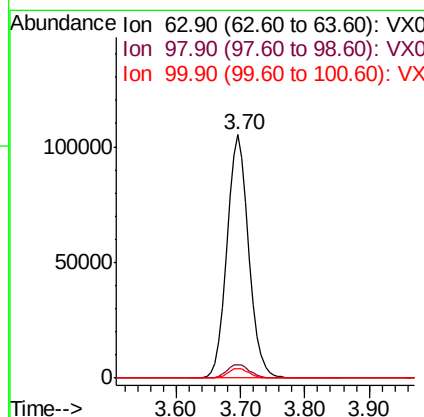
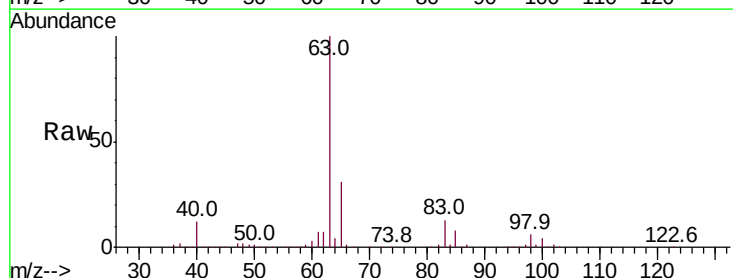
Tgt Ion: 63 Resp: 250471

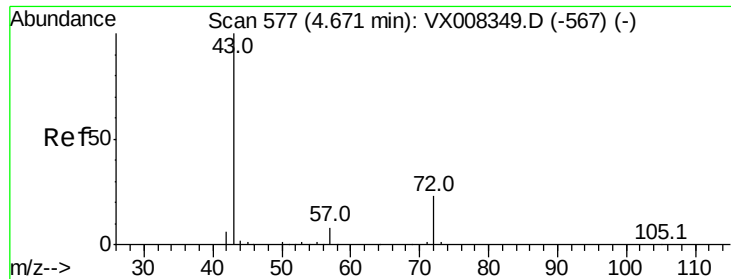
Ion Ratio Lower Upper

63 100

98 5.6 3.3 9.8

100 4.0 2.3 6.8





#25

2-Butanone

Concen: 250.944 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX008349.D

Acq: 23 Mar 2019 14:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 637557

Ion Ratio Lower Upper

43 100

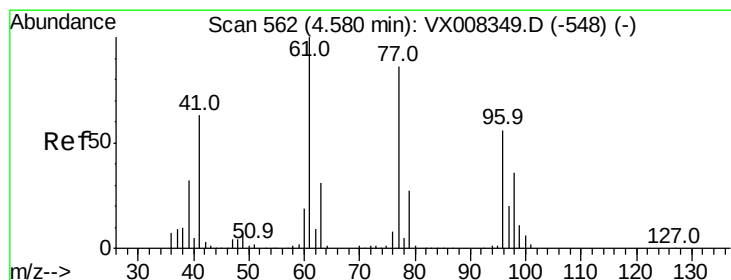
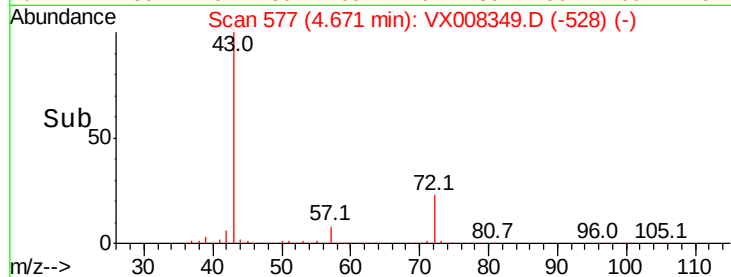
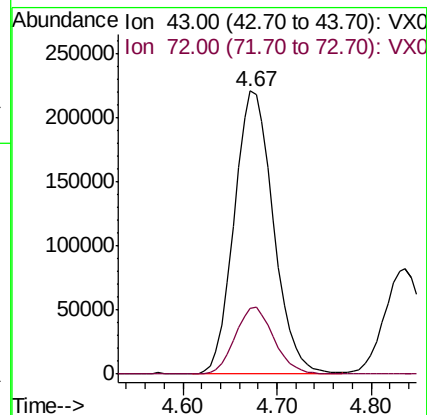
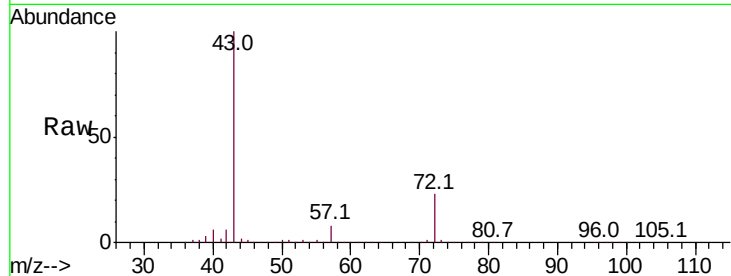
72 23.3 19.9 29.9

Manual Integrations

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3/25/2019 11:16:46 AM



#26

2,2-Dichloropropane

Concen: 40.836 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX008349.D

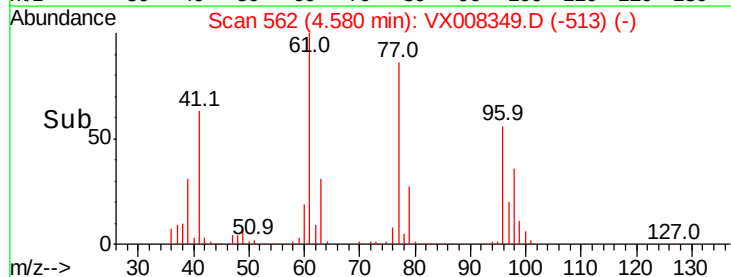
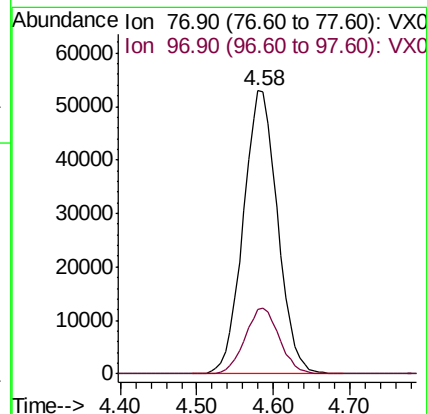
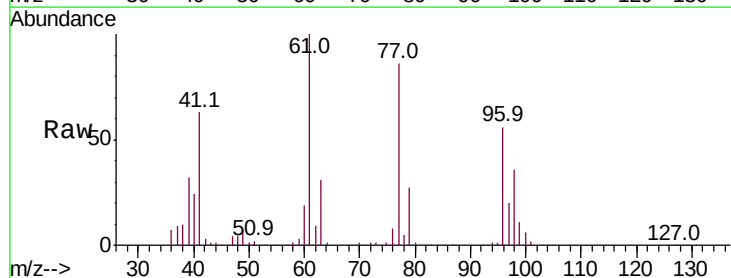
Acq: 23 Mar 2019 14:19

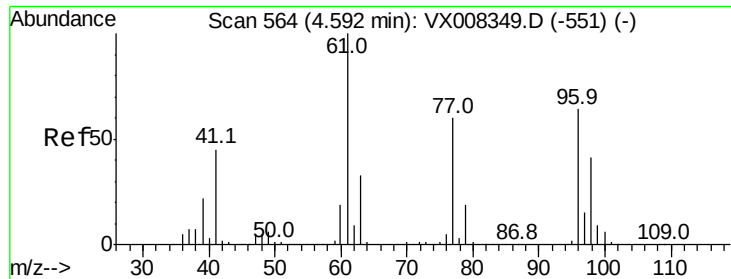
Tgt Ion: 77 Resp: 164914

Ion Ratio Lower Upper

77 100

97 23.4 12.2 36.6





#27

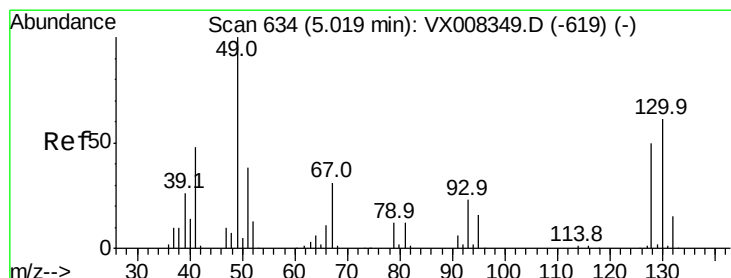
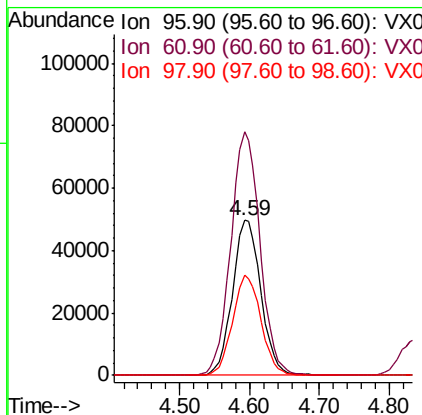
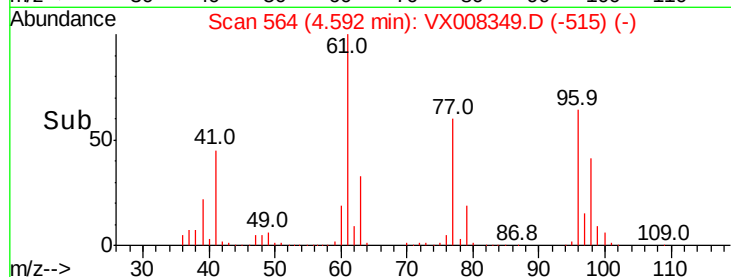
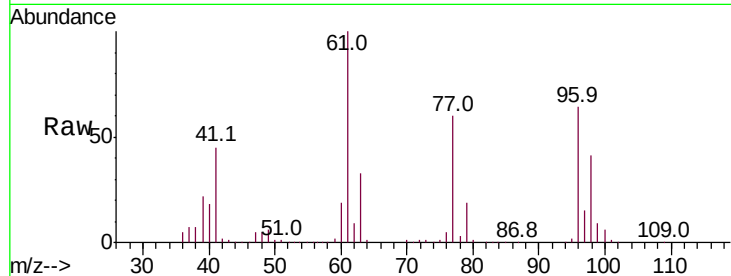
cis-1,2-Dichloroethene
Concen: 46.496 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VX008349.D
Acq: 23 Mar 2019 14:19

Instrument :
MSVOA_X
ClientSampleID :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.7	0.0	288.0
98	64.4	0.0	129.0

Manual Integrations
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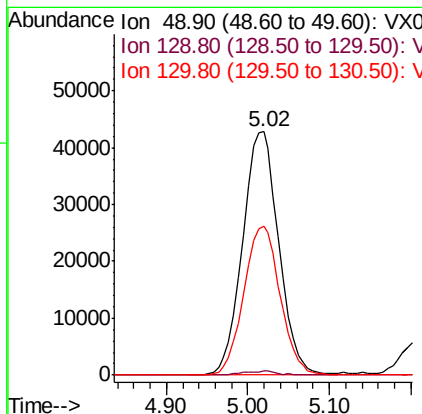
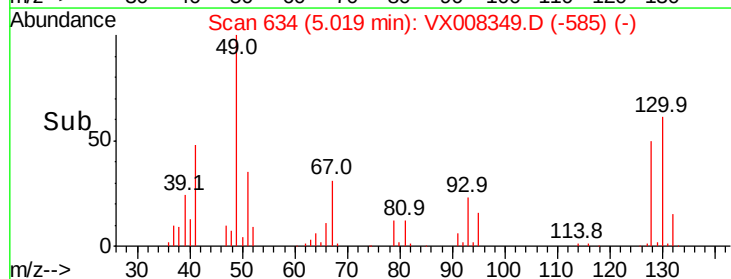
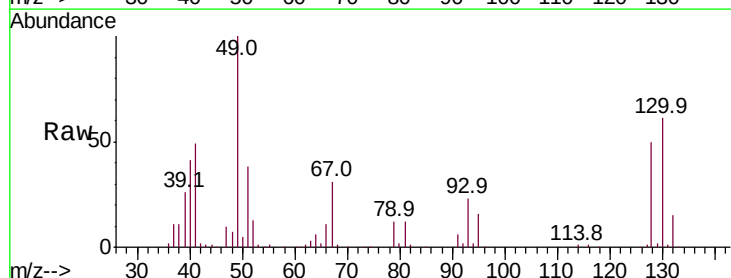
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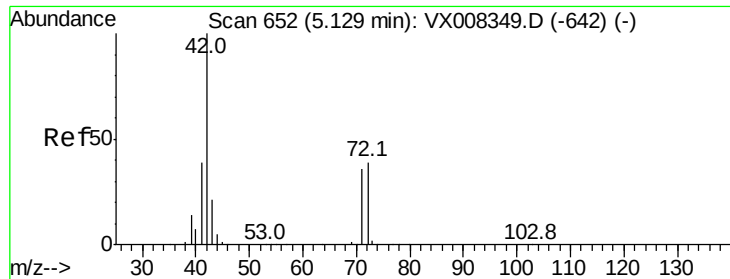


#28

Bromochloromethane
Concen: 54.865 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX008349.D
Acq: 23 Mar 2019 14:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	4.0
130	61.2	65.0	97.4#





#29

Tetrahydrofuran

Concen: 267.423 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX008349.D

Acq: 23 Mar 2019 14:19

Instrument :

MSVOA_X

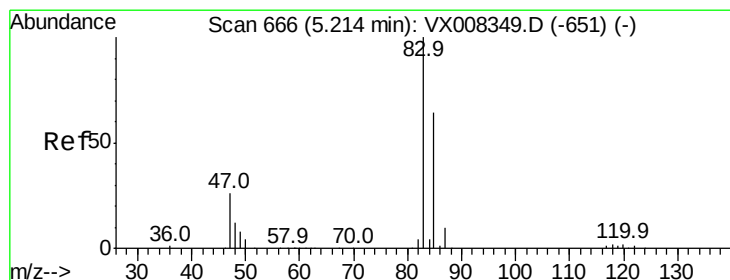
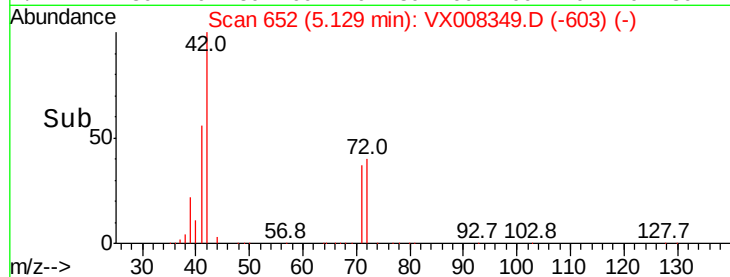
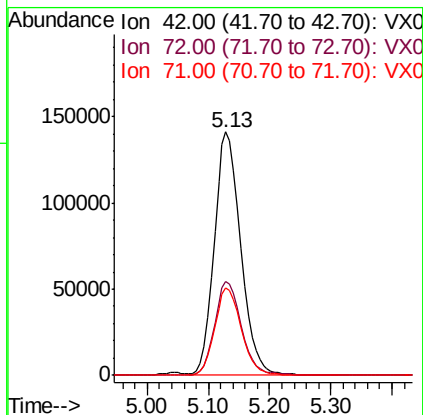
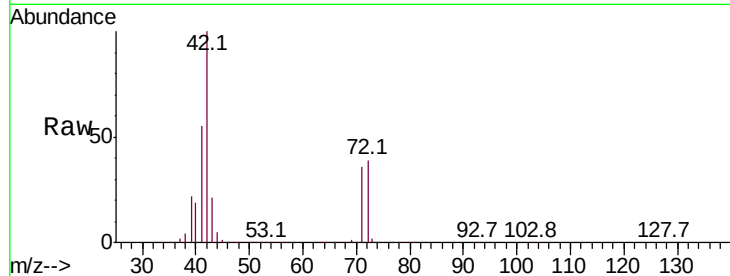
ClientSampleId :

VSTDICCC050

Tot Ion:	42	Resp:	424728
Ion Ratio	Lower	Upper	
42	100		
72	39.3	33.8	50.6
71	36.3	31.5	47.3

Manual Integrations
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#30

Chloroform

Concen: 45.107 ug/l

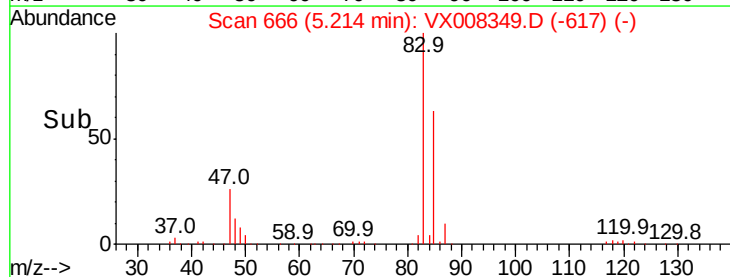
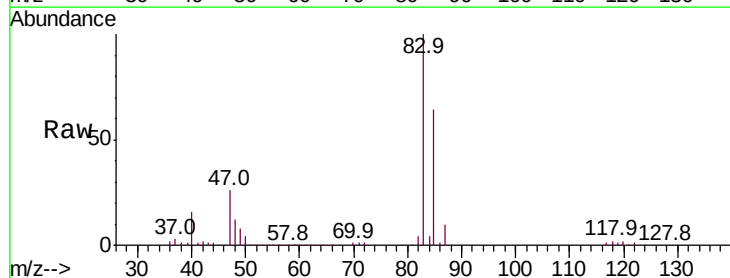
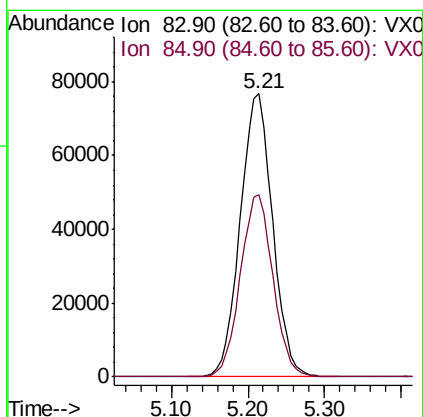
RT: 5.21 min Scan# 666

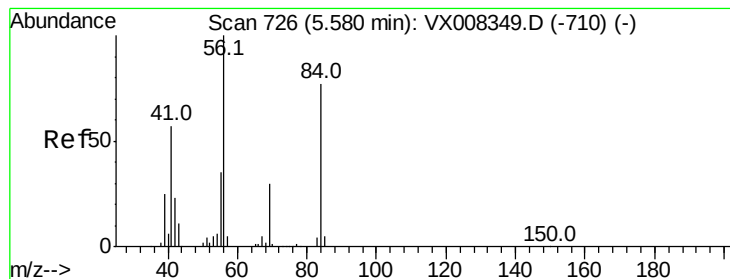
Delta R.T. 0.00 min

Lab File: VX008349.D

Acq: 23 Mar 2019 14:19

Tgt Ion:	83	Resp:	226193
Ion Ratio	Lower	Upper	
83	100		
85	64.4	51.8	77.6





#31

Cyclohexane

Concen: 47.569 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX008349.D

Acq: 23 Mar 2019 14:19

Instrument :

MSVOA_X

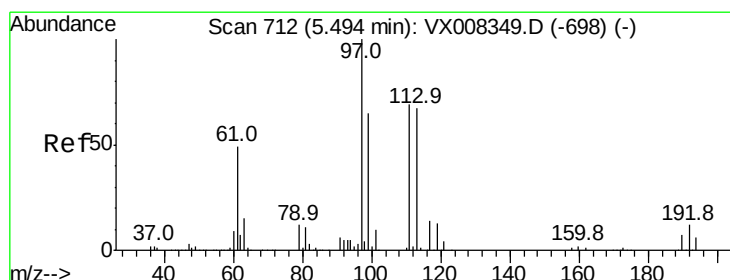
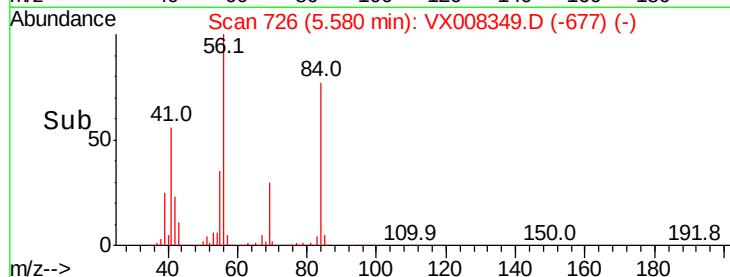
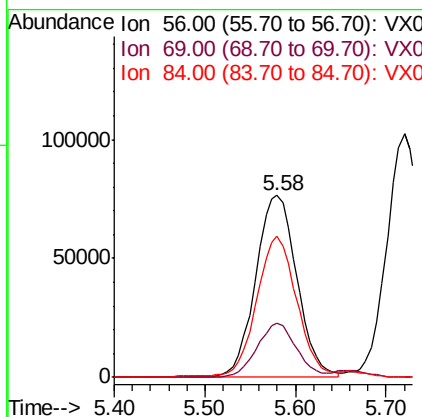
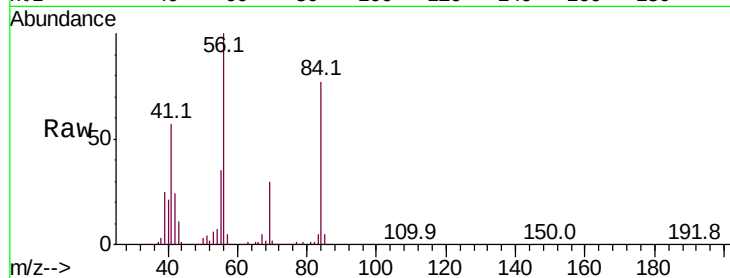
ClientSampled :

VSTDICCC050

Tot Ion:	56	Resp:	239466
Ion Ratio	Lower	Upper	
56	100		
69	29.9	24.0	36.0
84	76.5	65.3	97.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 43.543 ug/l

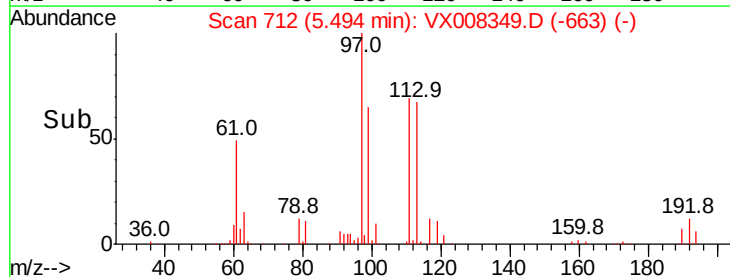
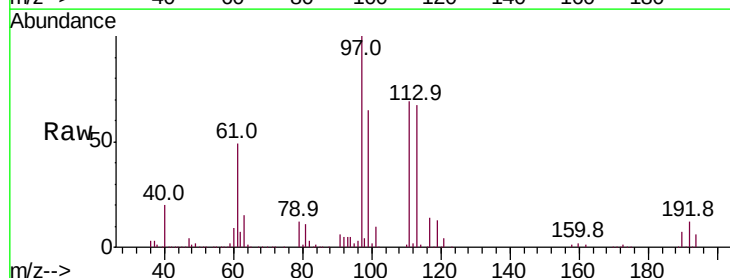
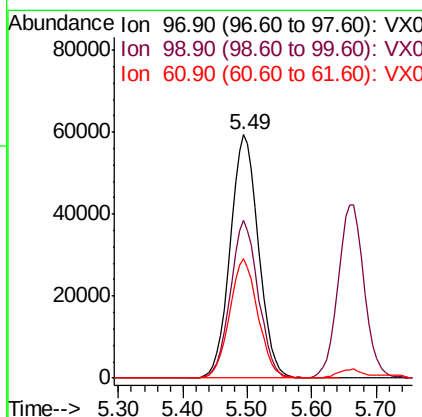
RT: 5.49 min Scan# 712

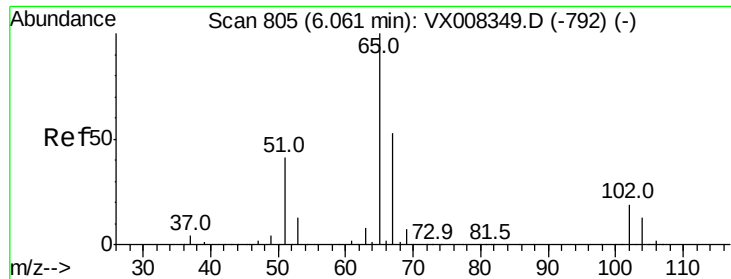
Delta R.T. 0.00 min

Lab File: VX008349.D

Acq: 23 Mar 2019 14:19

Tgt Ion:	97	Resp:	181638
Ion Ratio	Lower	Upper	
97	100		
99	63.9	52.2	78.2
61	49.2	34.9	52.3





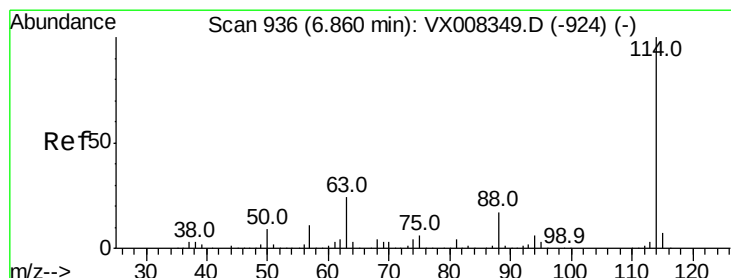
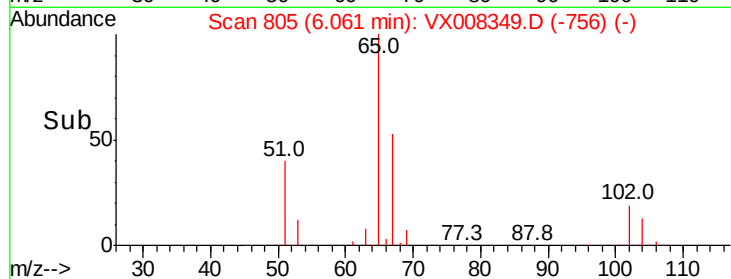
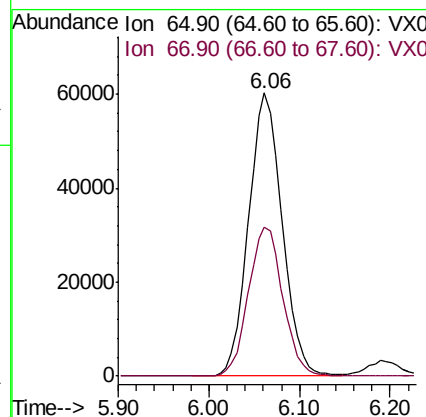
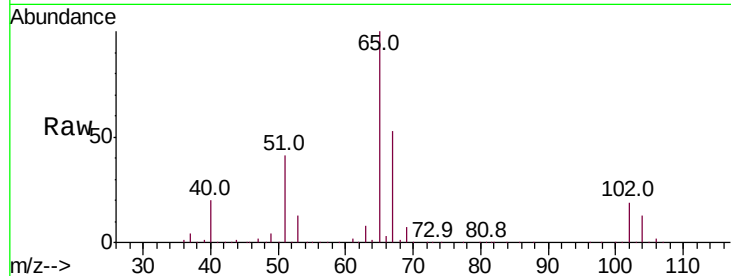
#33
 1,2-Dichloroethane-d4
 Concen: 50.980 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX008349.D
 Acq: 23 Mar 2019 14:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.1	0.0	110.0

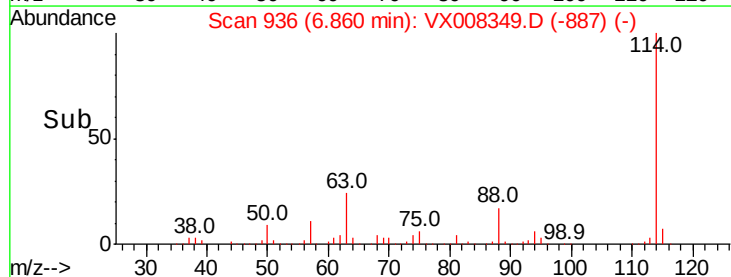
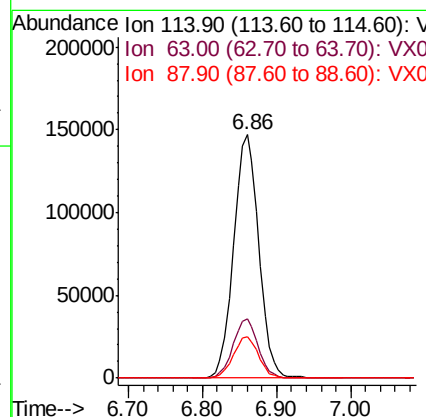
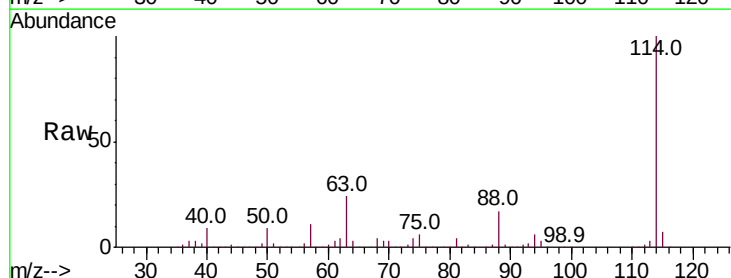
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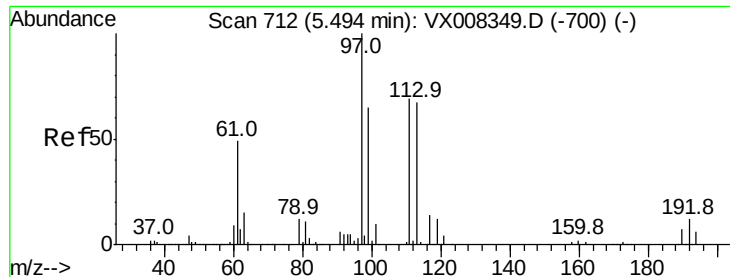
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008349.D
 Acq: 23 Mar 2019 14:19

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.4	0.0	39.8
88	16.9	0.0	31.4





#35

Dibromofluoromethane

Concen: 48.656 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX008349.D

Acq: 23 Mar 2019 14:19

Instrument :

MSVOA_X

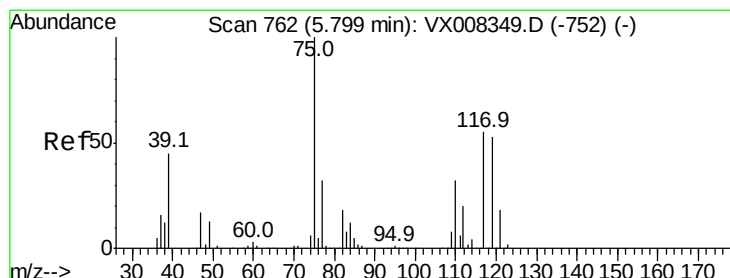
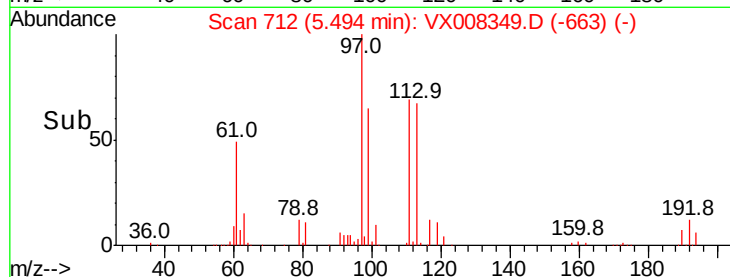
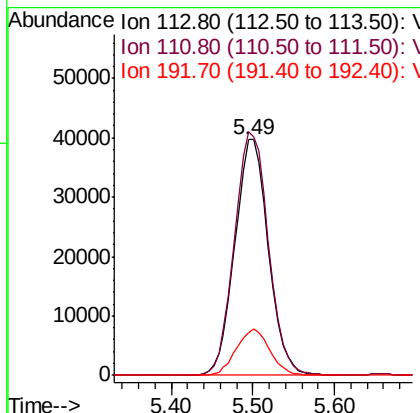
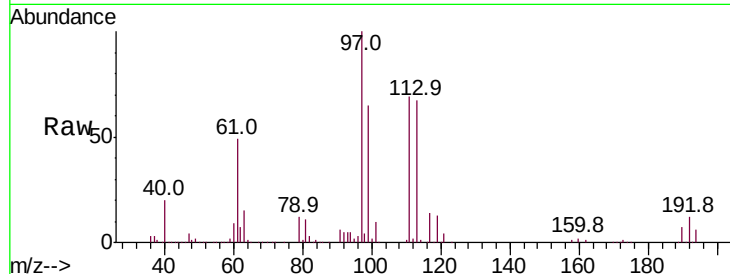
ClientSampleId :

VSTDICCC050

Tot Ion:	113	Resp:	113285
Ion Ratio	Lower	Upper	
113	100		
111	104.7	81.4	122.0
192	19.5	19.4	29.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 43.681 ug/l

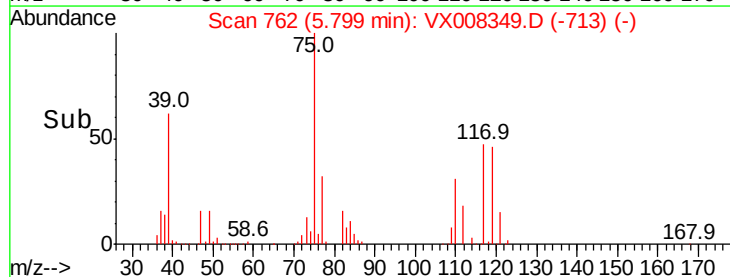
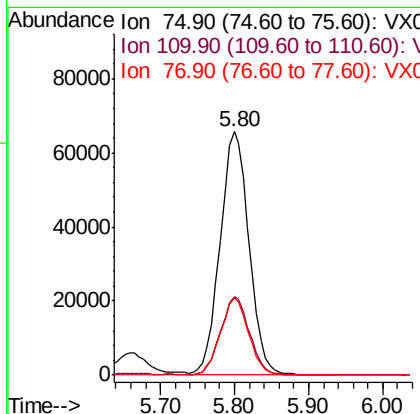
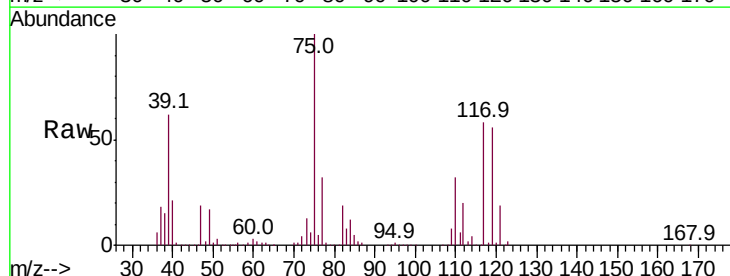
RT: 5.80 min Scan# 762

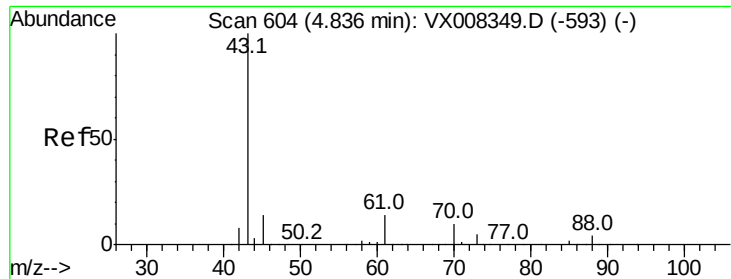
Delta R.T. 0.00 min

Lab File: VX008349.D

Acq: 23 Mar 2019 14:19

Tgt Ion:	75	Resp:	176880
Ion Ratio	Lower	Upper	
75	100		
110	32.3	18.4	55.0
77	31.1	25.0	37.4





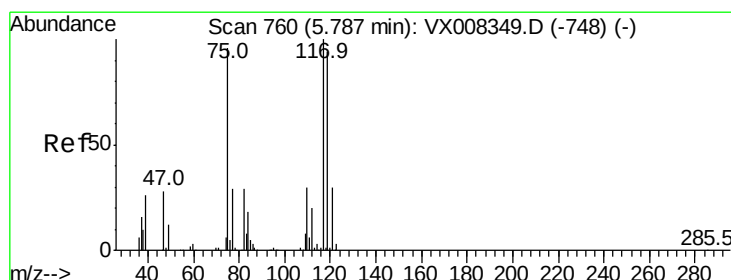
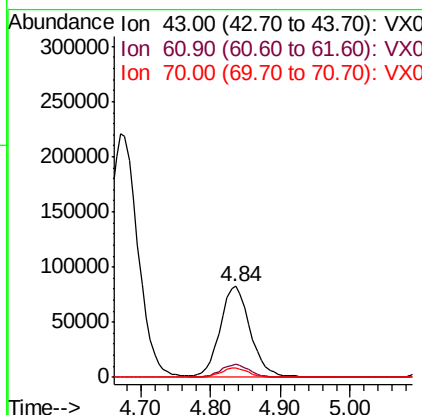
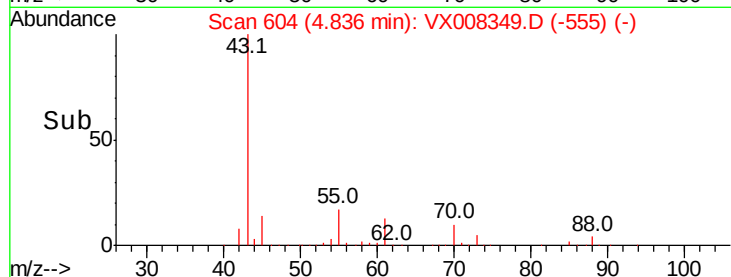
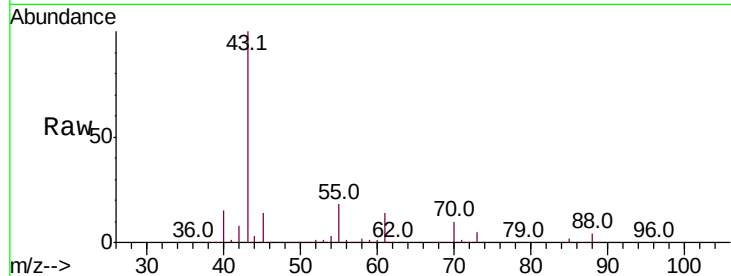
#37
Ethyl Acetate
Concen: 51.103 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX008349.D
Acq: 23 Mar 2019 14:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.3	16.9
70	9.6	8.5	12.7

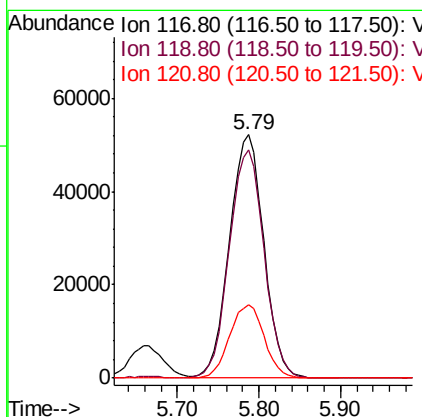
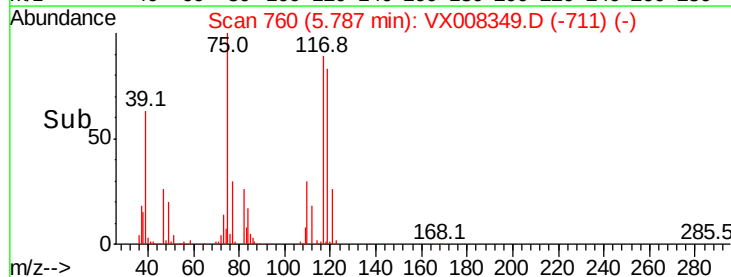
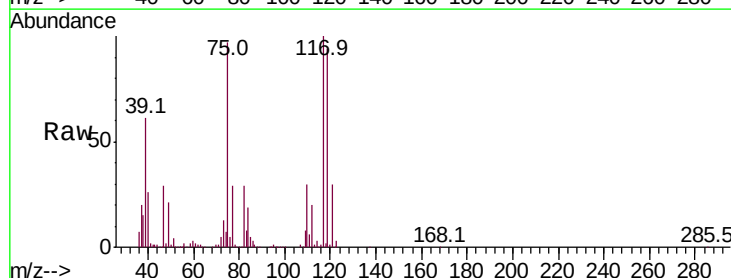
Manual Integrations
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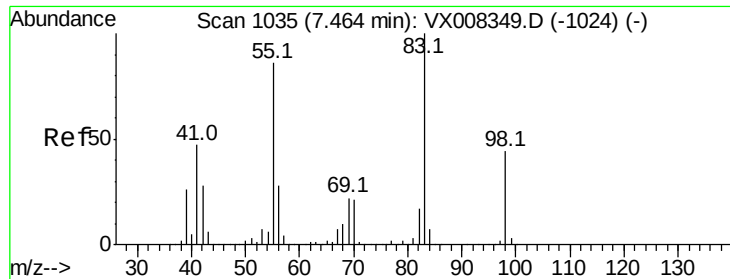
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#38
Carbon Tetrachloride
Concen: 42.241 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX008349.D
Acq: 23 Mar 2019 14:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.8	76.2	114.2
121	29.9	24.6	36.8





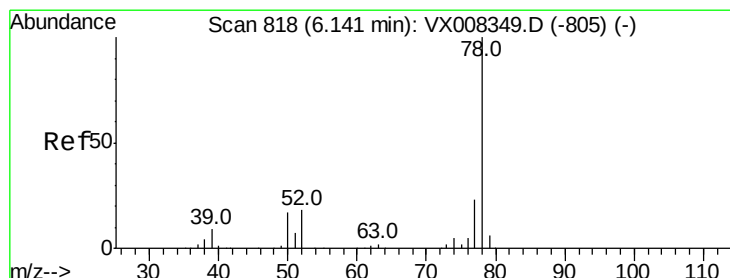
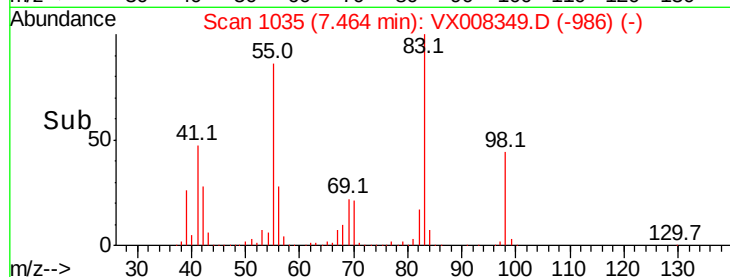
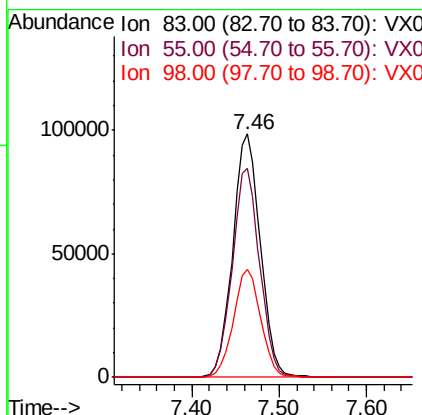
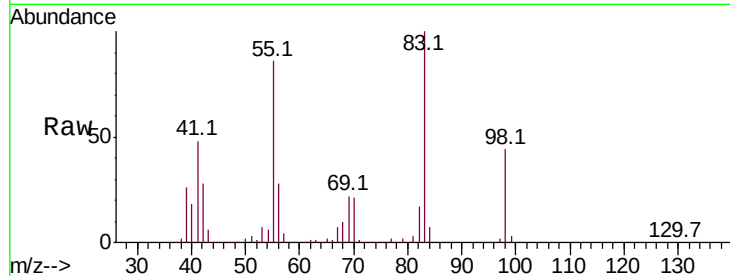
#39
Methylvlcyclohexane
Concen: 44.356 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008349.D
Acq: 23 Mar 2019 14:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	85.6	60.4	90.6	
98	44.2	36.5	54.7	

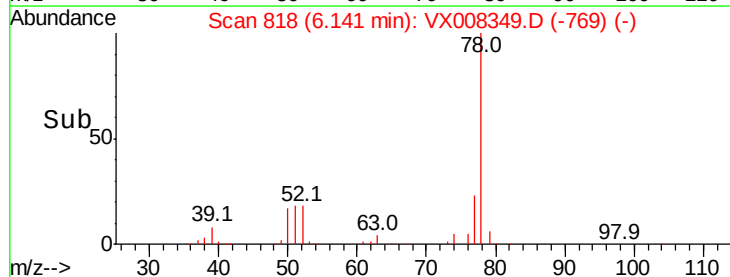
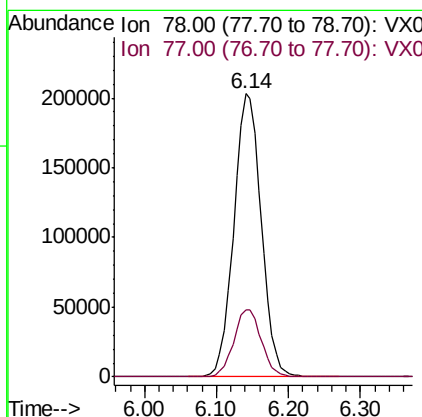
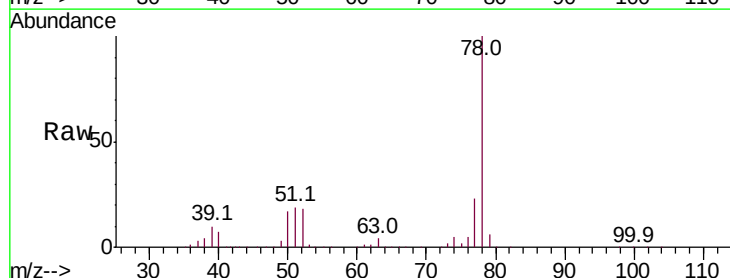
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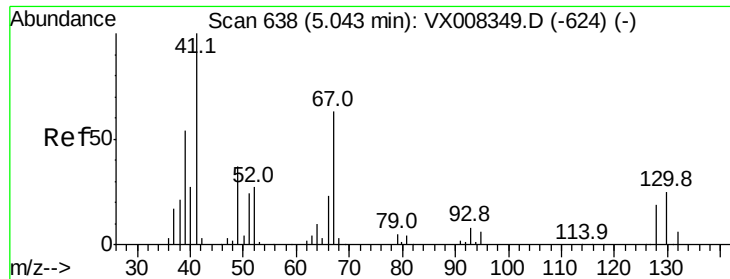
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#40
Benzene
Concen: 44.691 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX008349.D
Acq: 23 Mar 2019 14:19

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.5	19.0	28.4	





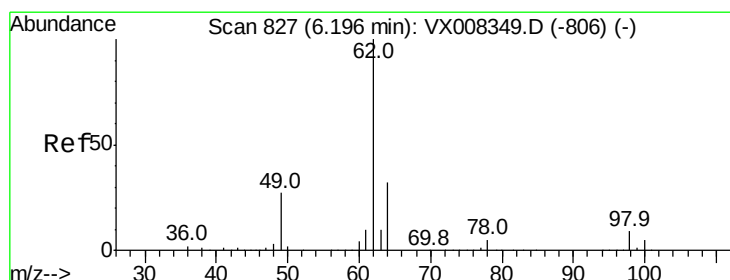
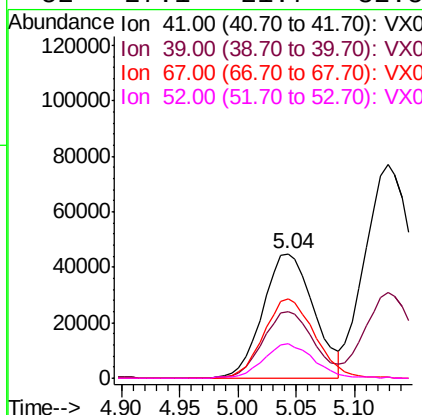
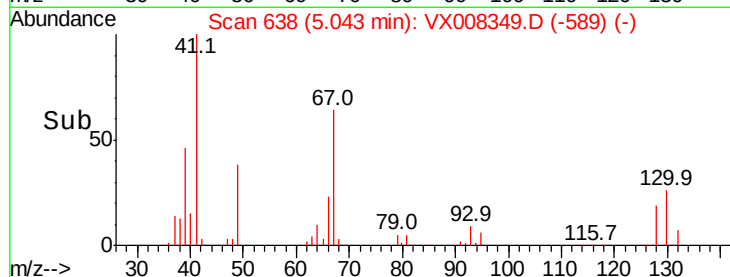
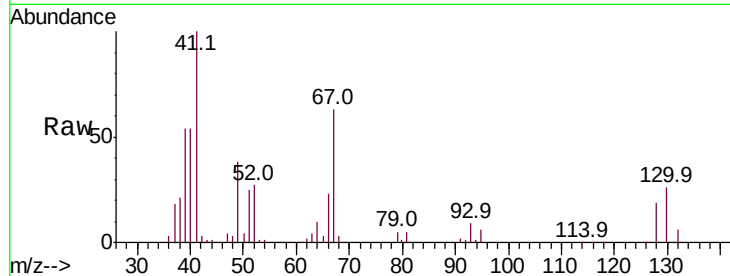
#41
Methacrylonitrile
Concen: 50.626 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX008349.D
Acq: 23 Mar 2019 14:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.7	41.6	62.4	
67	64.7	55.8	83.6	
52	27.1	21.7	32.5	

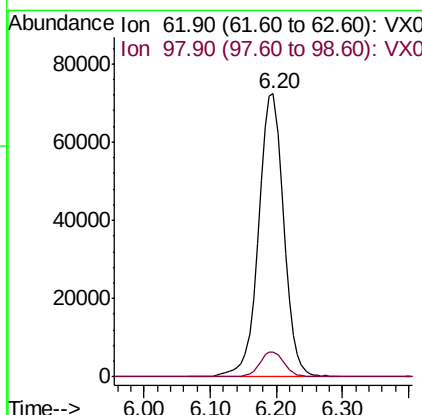
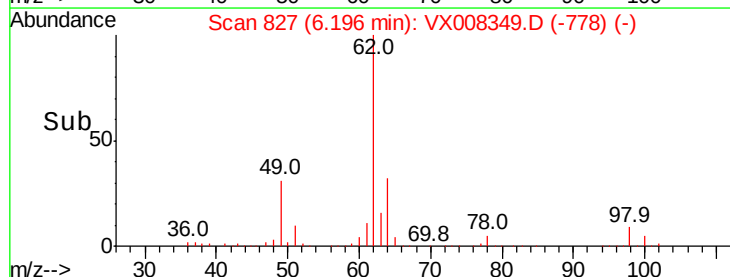
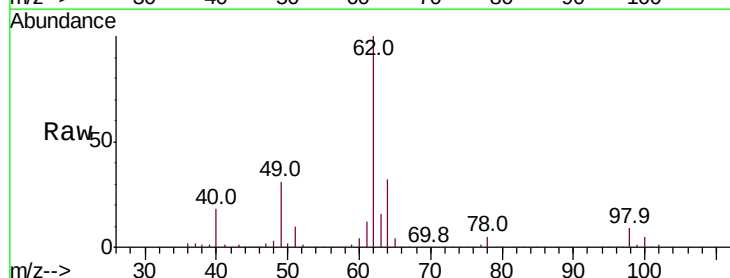
Manual Integrations
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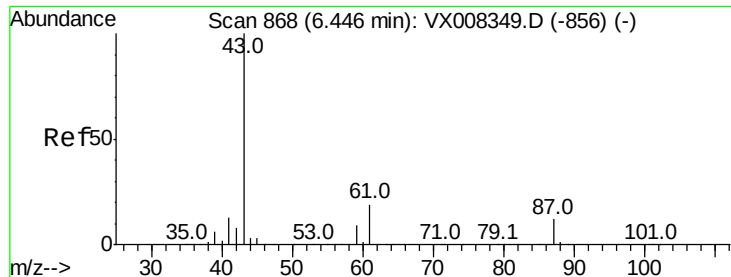
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#42
1,2-Dichloroethane
Concen: 43.520 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX008349.D
Acq: 23 Mar 2019 14:19

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.8	0.0	20.4	





#43

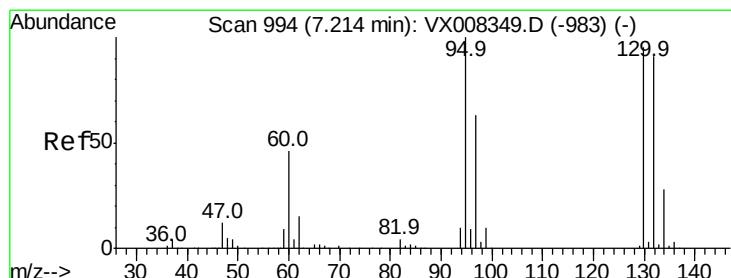
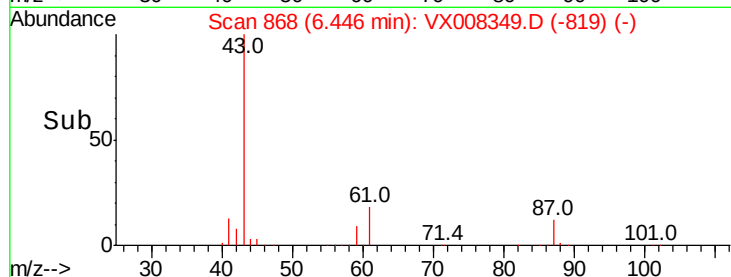
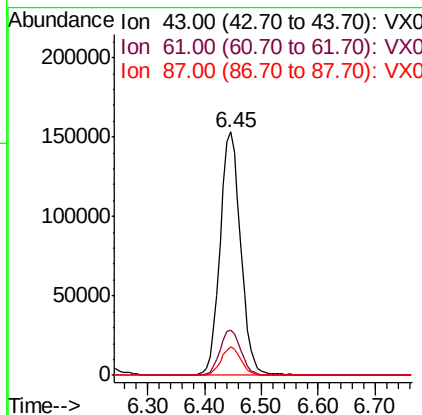
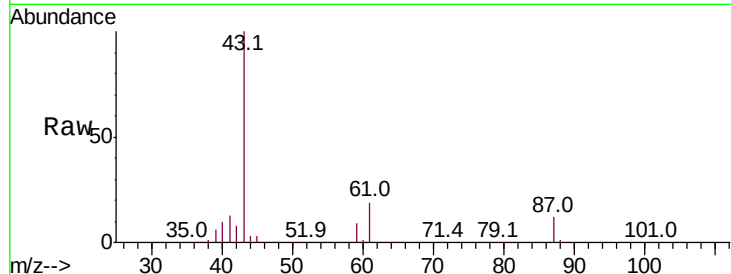
Isopropyl Acetate
 Concen: 49.993 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX008349.D
 Acq: 23 Mar 2019 14:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.3	16.3	24.5
87	11.3	10.5	15.7

Manual Integrations
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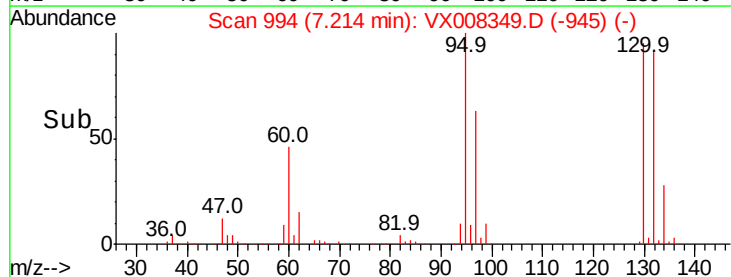
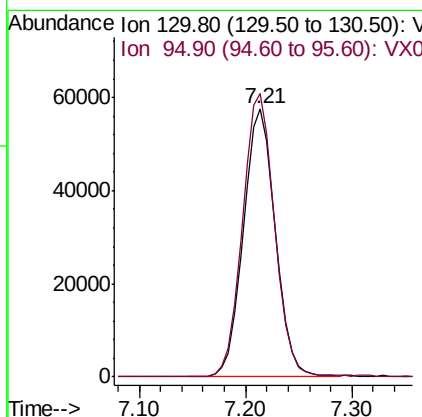
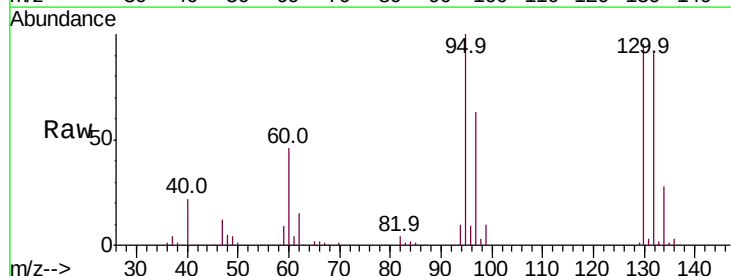
MMDadoda
 3/25/2019 11:16:46 AM

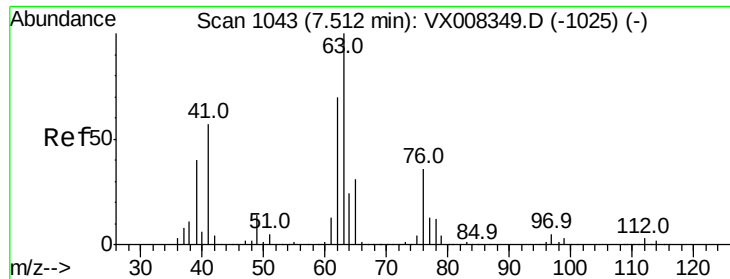


#44

Trichloroethene
 Concen: 41.516 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX008349.D
 Acq: 23 Mar 2019 14:19

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.6	0.0	188.0





#45

1,2-Dichloropropane

Concen: 45.787 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX008349.D

Acq: 23 Mar 2019 14:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 153619

Ion Ratio Lower Upper

63 100

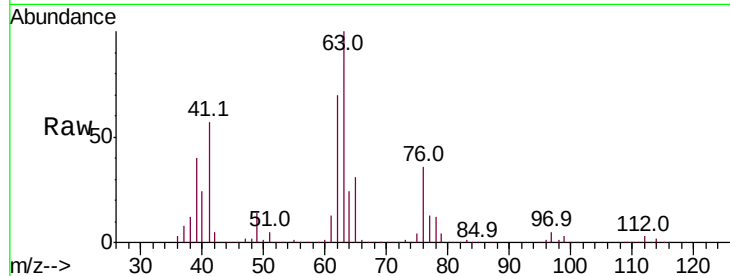
65 31.2 24.7 37.1

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

80000

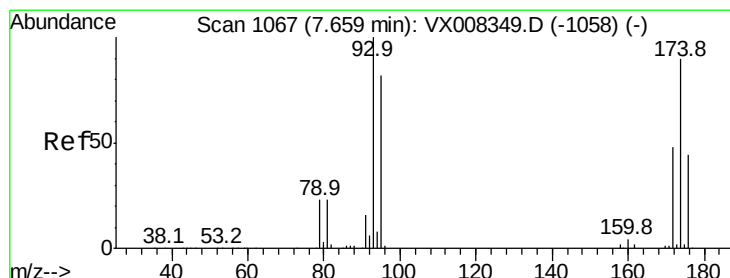
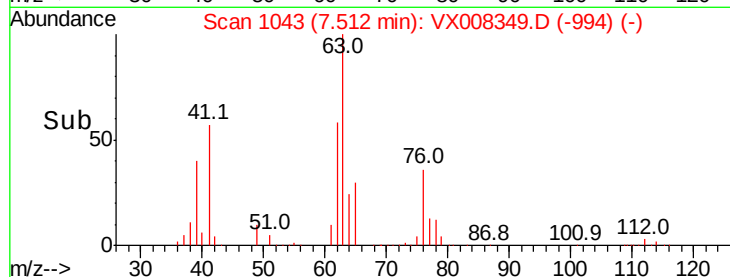
60000

40000

20000

0

Time--> 7.30 7.40 7.50 7.60 7.70



#46

Dibromomethane

Concen: 43.617 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX008349.D

Acq: 23 Mar 2019 14:19

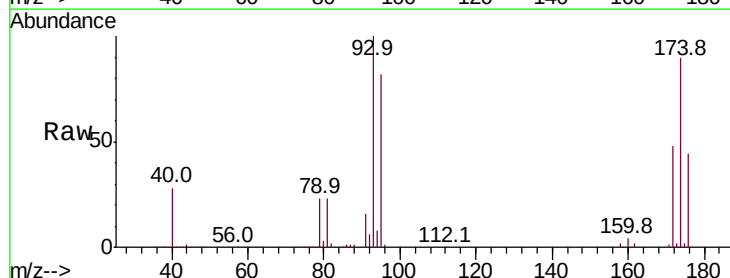
Tgt Ion: 93 Resp: 88604

Ion Ratio Lower Upper

93 100

95 82.9 66.8 100.2

174 92.4 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

60000

50000

40000

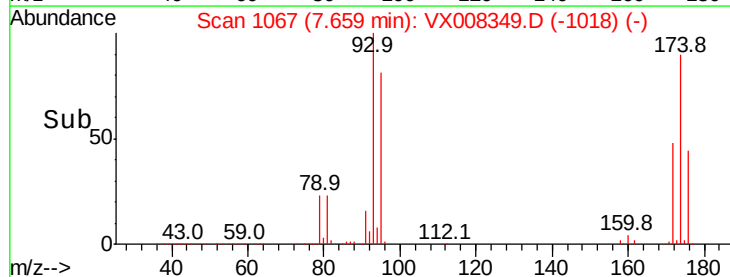
30000

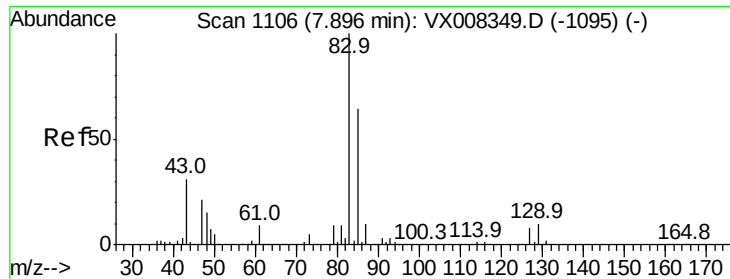
20000

10000

0

Time--> 7.60 7.70 7.80





#47

Bromodichloromethane

Concen: 45.391 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008349.D

Acq: 23 Mar 2019 14:19

Instrument :

MSVOA_X

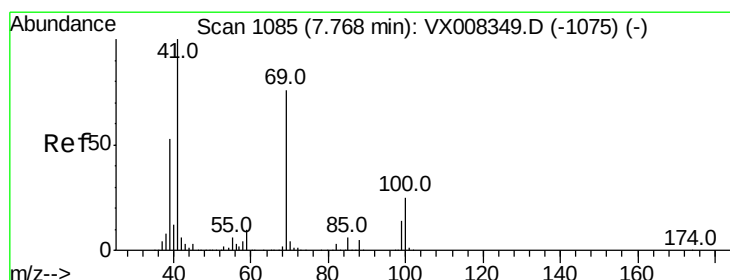
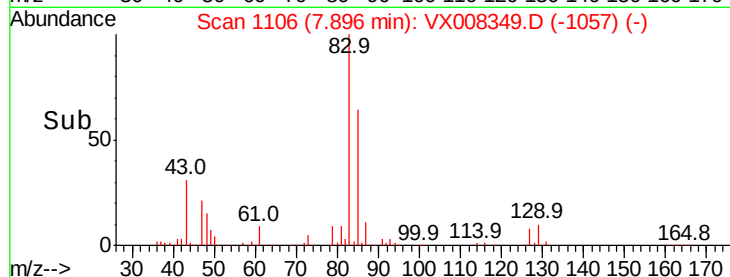
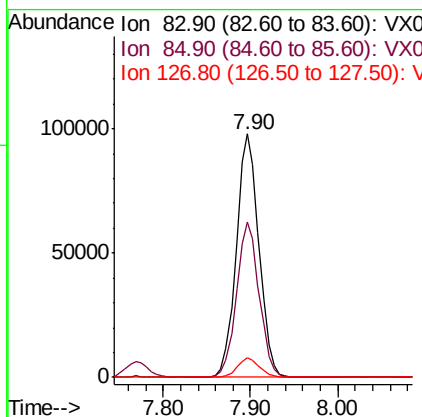
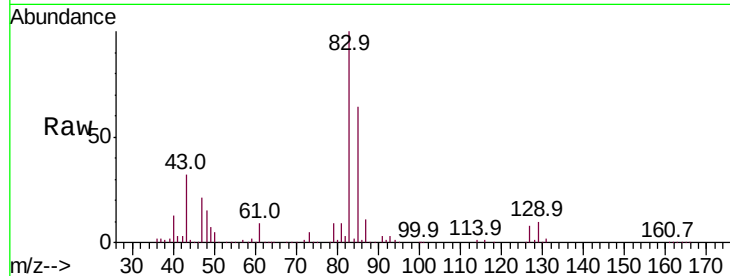
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	175725
Ion Ratio	Lower	Upper	
83	100		
85	63.9	50.9	76.3
127	8.1	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 46.907 ug/l

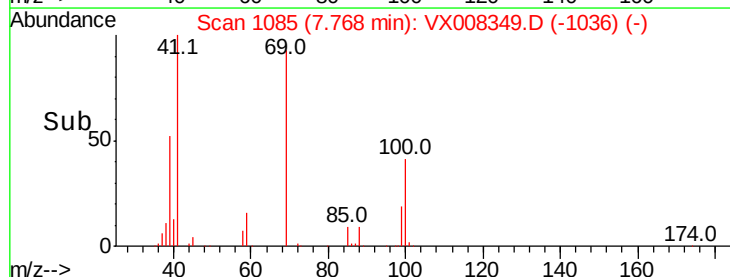
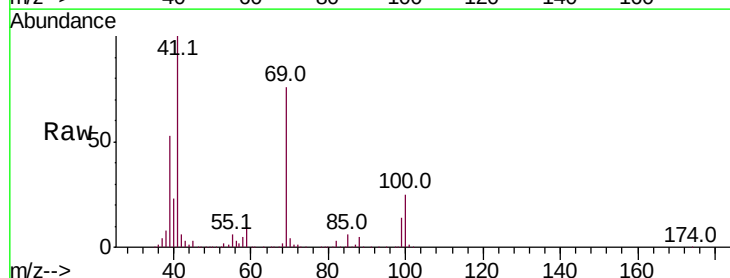
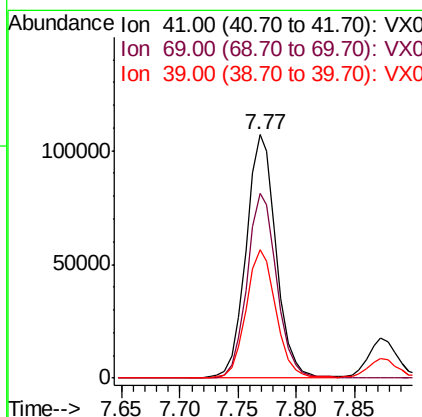
RT: 7.77 min Scan# 1085

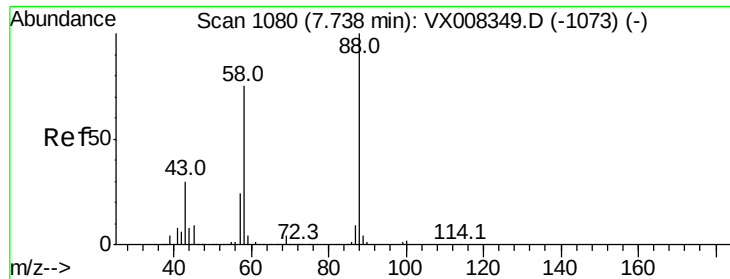
Delta R.T. 0.00 min

Lab File: VX008349.D

Acq: 23 Mar 2019 14:19

Tgt Ion:	41	Resp:	191360
Ion Ratio	Lower	Upper	
41	100		
69	75.5	65.2	97.8
39	52.3	39.4	59.2





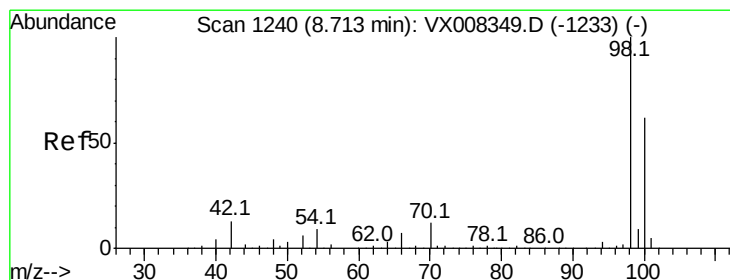
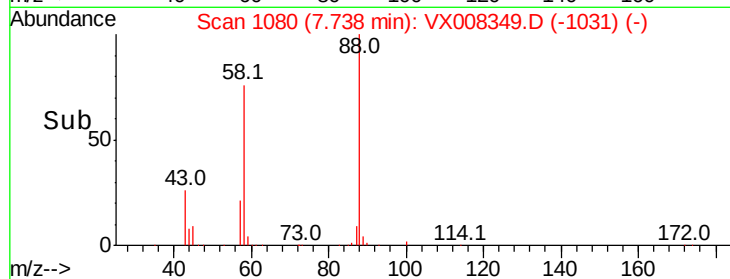
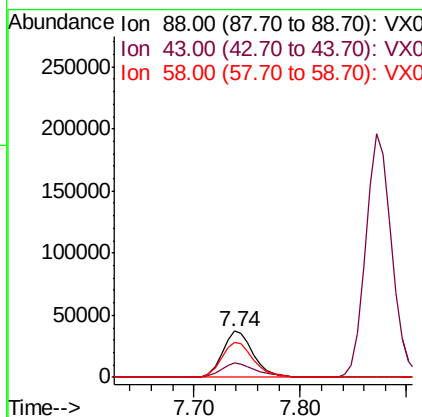
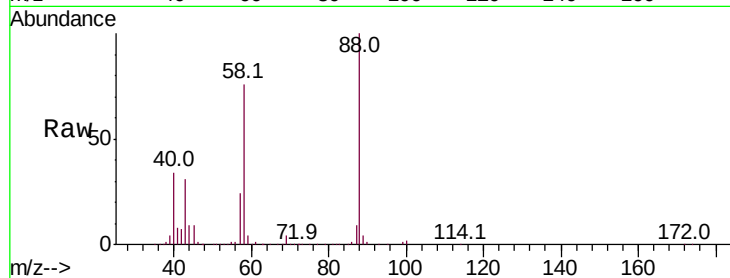
#49
1,4-Dioxane
Concen: 1041.125 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX008349.D
Acq: 23 Mar 2019 14:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.1	25.1	37.7
58	78.7	57.8	86.6

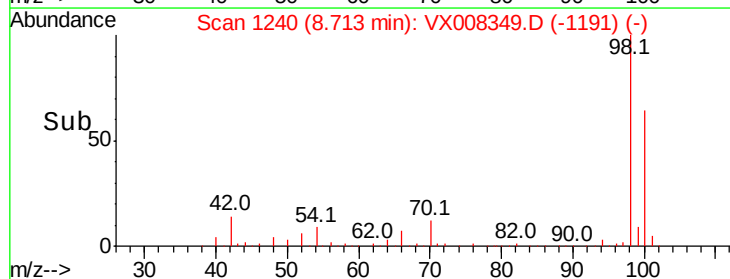
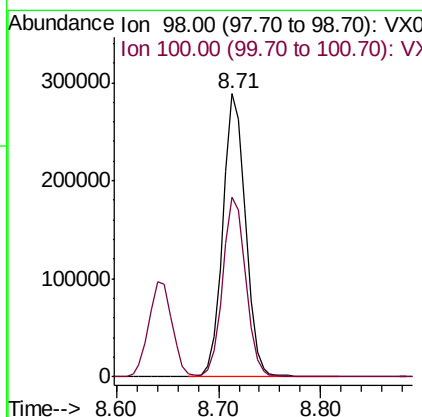
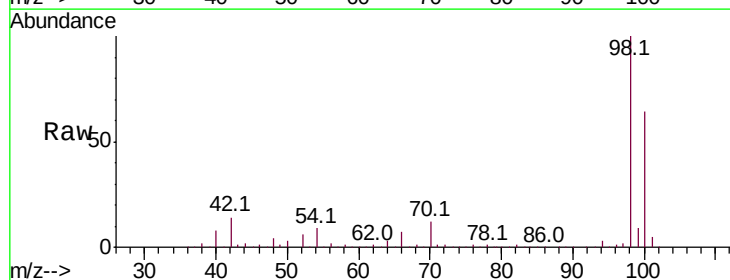
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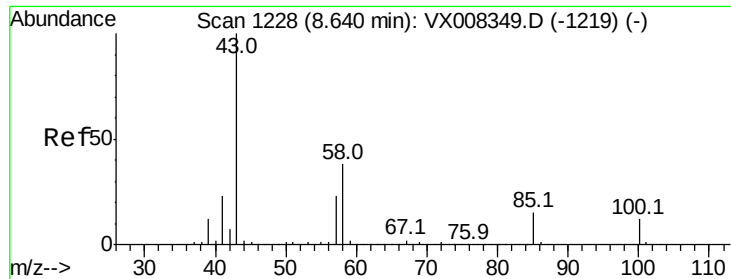
MMDadoda
3/25/2019 11:16:46 AM



#50
Toluene-d8
Concen: 50.566 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008349.D
Acq: 23 Mar 2019 14:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 249.822 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX008349.D

Acq: 23 Mar 2019 14:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1239178

Ion Ratio Lower Upper

43 100

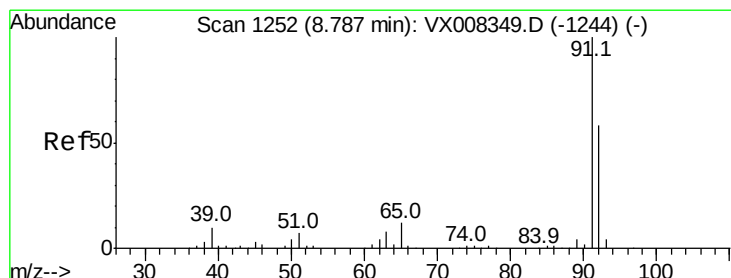
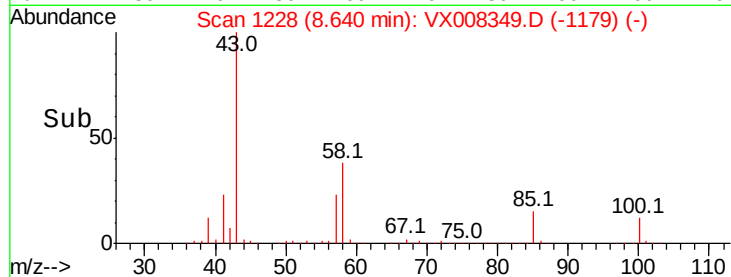
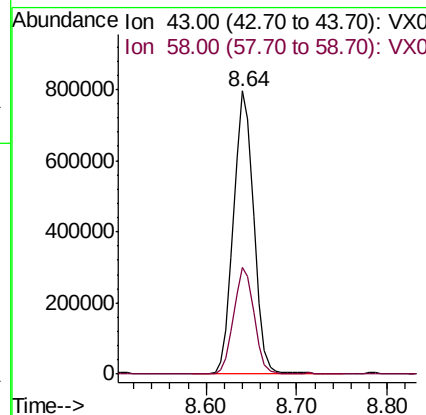
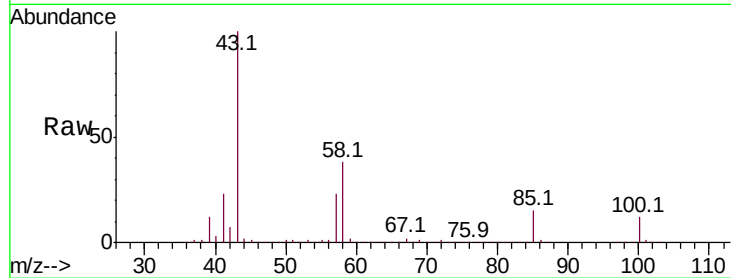
58 37.6 31.3 46.9

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3/25/2019 11:16:46 AM



#52

Toluene

Concen: 44.485 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX008349.D

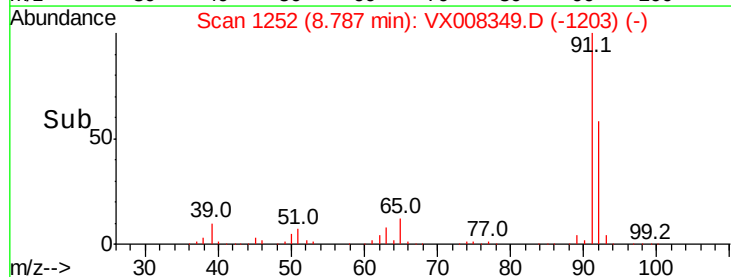
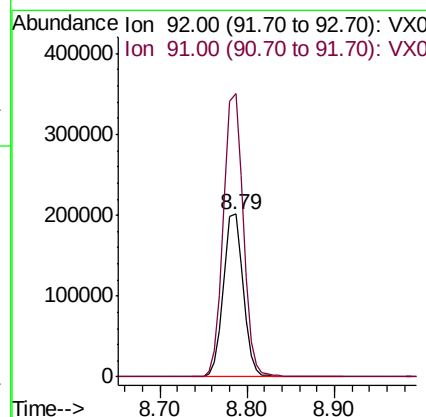
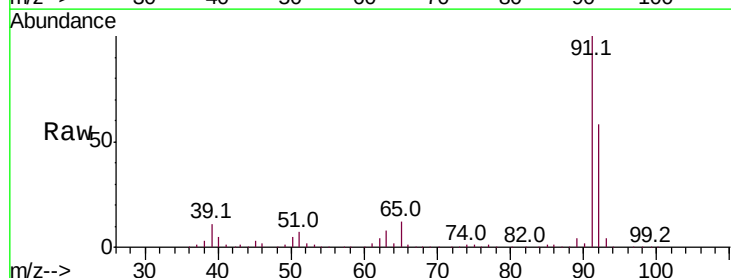
Acq: 23 Mar 2019 14:19

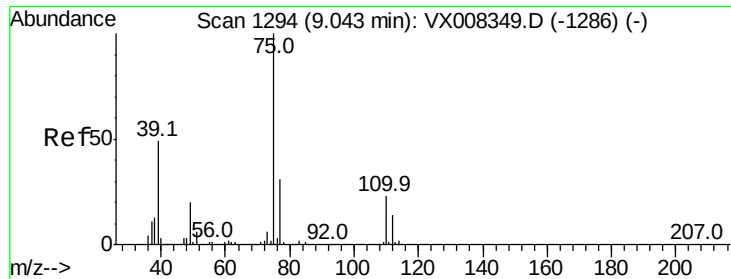
Tgt Ion: 92 Resp: 316303

Ion Ratio Lower Upper

92 100

91 174.1 137.4 206.0





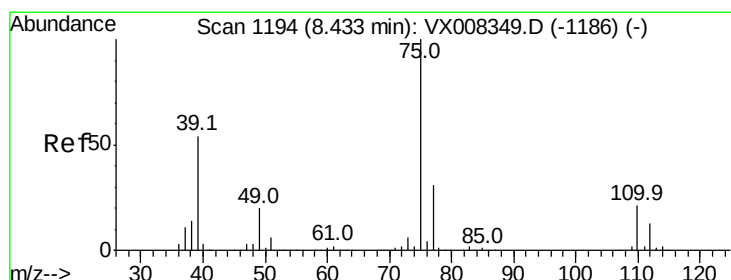
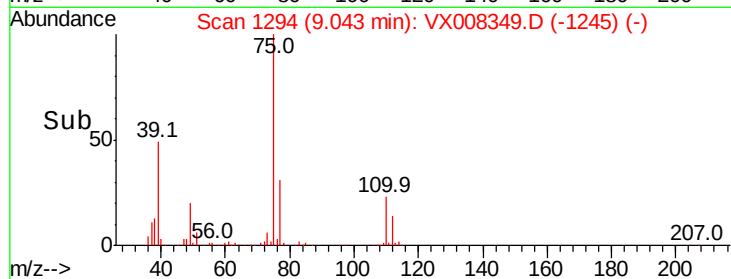
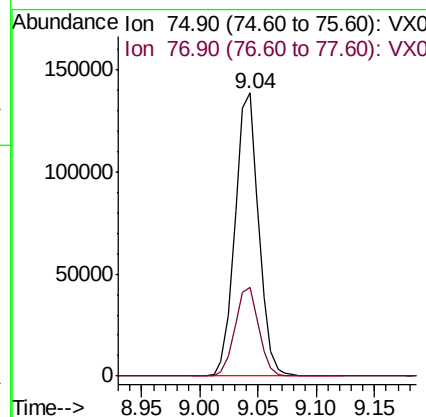
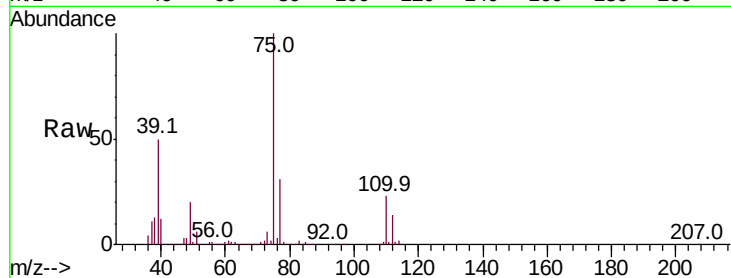
#53
t-1,3-Dichloropropene
Concen: 45.353 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX008349.D
Acq: 23 Mar 2019 14:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.4	38.0

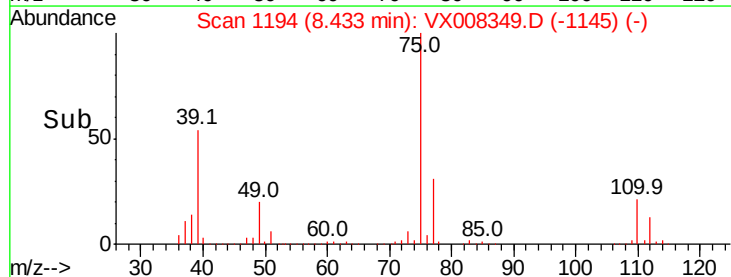
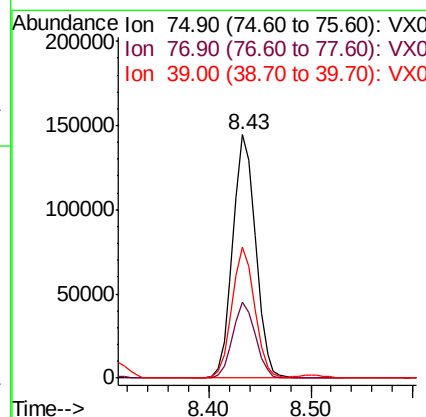
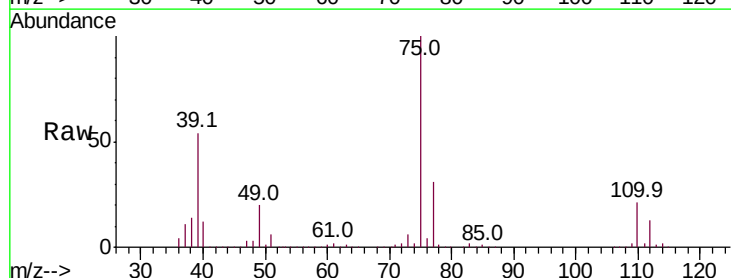
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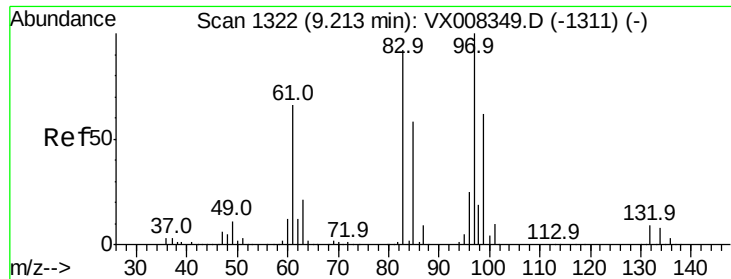
MMDadoda
3/25/2019 11:16:46 AM



#54
cis-1,3-Dichloropropene
Concen: 46.693 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX008349.D
Acq: 23 Mar 2019 14:19

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.0	37.6
39	53.6	36.6	54.8





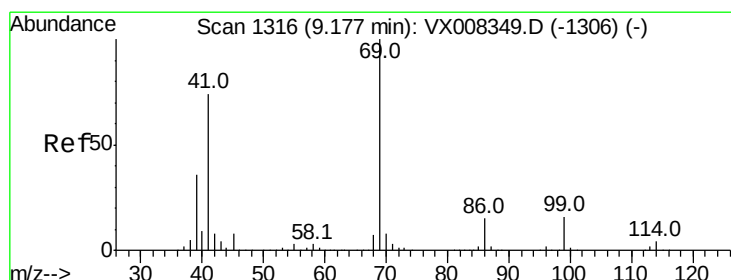
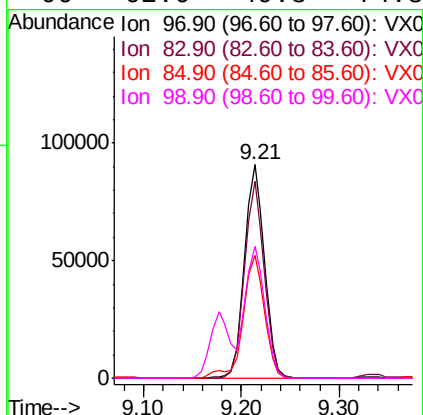
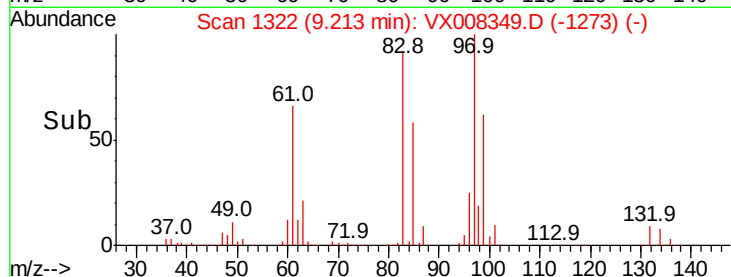
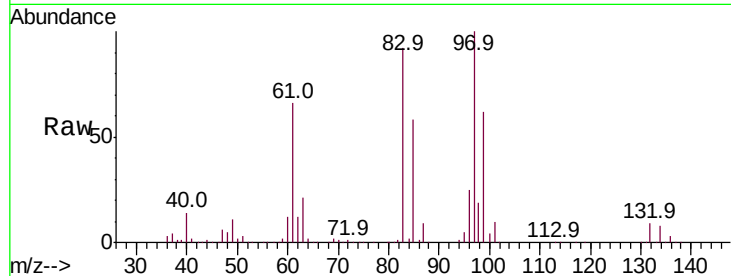
#55
 1,1,2-Trichloroethane
 Concen: 45.128 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008349.D
 Acq: 23 Mar 2019 14:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	92.3	69.1	103.7
85	57.5	44.3	66.5
99	62.0	49.8	74.8

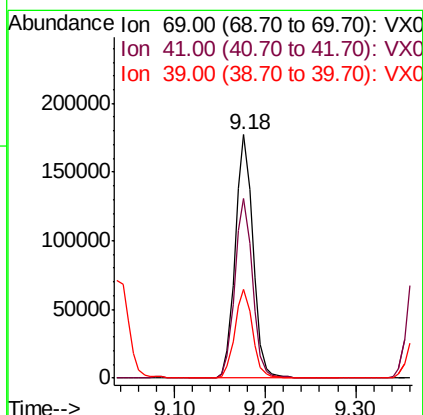
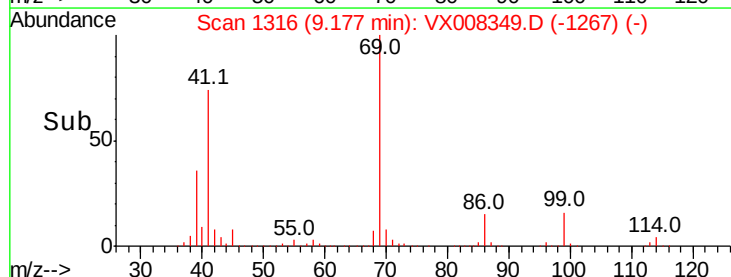
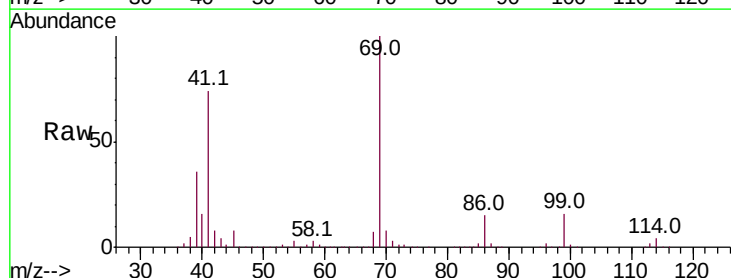
Manual Integrations
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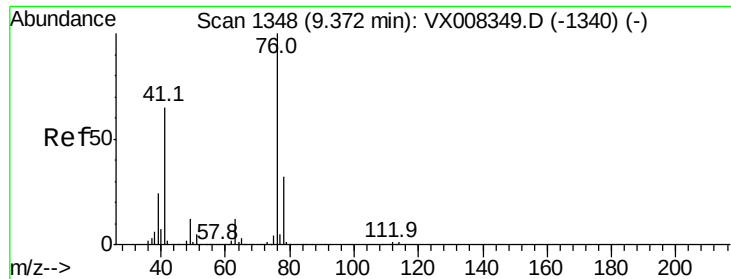
MMDadoda
 3/25/2019 11:16:46 AM



#56
 Ethyl methacrylate
 Concen: 52.442 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX008349.D
 Acq: 23 Mar 2019 14:19

Tgt Ion	Ratio	Lower	Upper
69	100		
41	73.7	54.2	81.4
39	36.6	25.0	37.4





#57

1,3-Dichloropropane

Concen: 45.890 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX008349.D

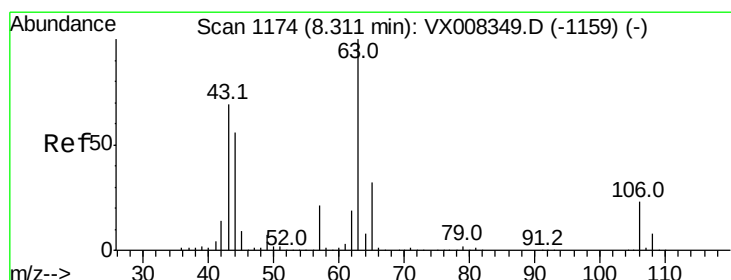
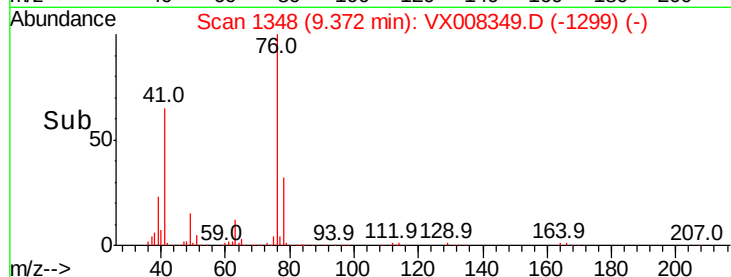
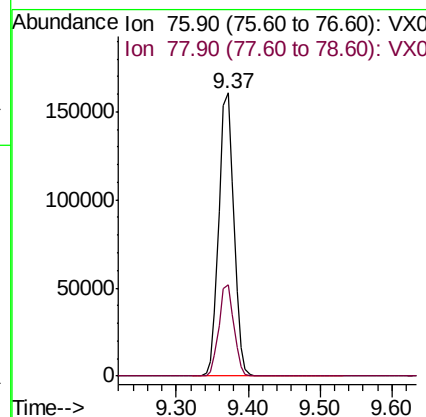
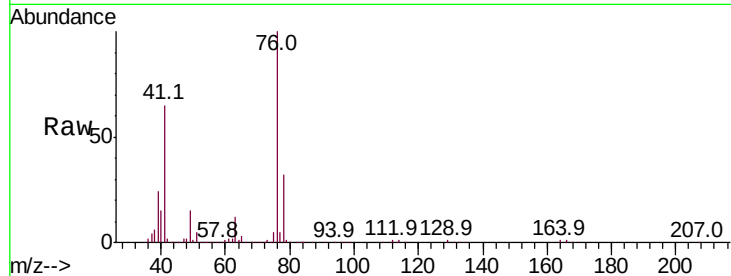
Acq: 23 Mar 2019 14:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.5	38.3

Manual Integrations
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MMDadoda
3/25/2019 11:16:46 AM



#58

2-Chloroethyl Vinyl ether

Concen: 280.198 ug/l

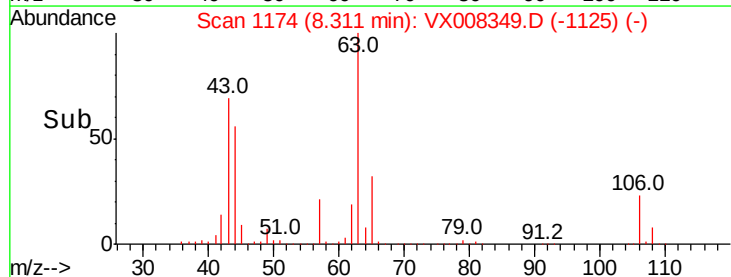
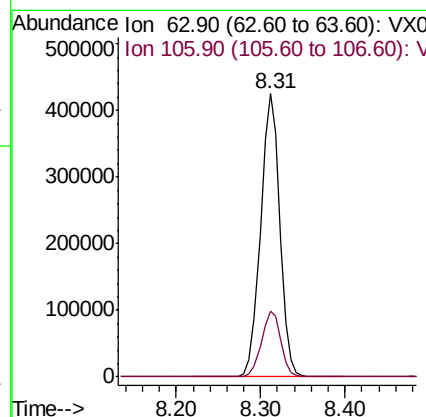
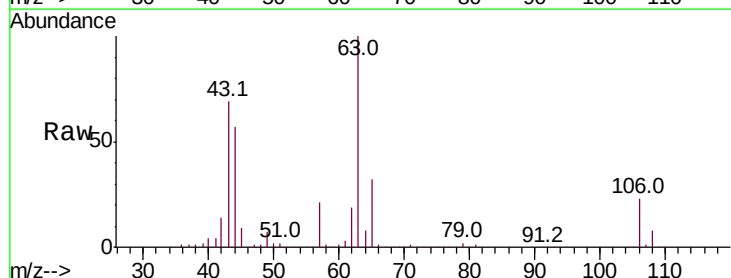
RT: 8.31 min Scan# 1174

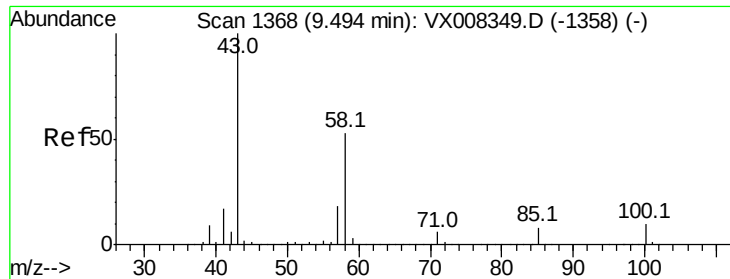
Delta R.T. 0.00 min

Lab File: VX008349.D

Acq: 23 Mar 2019 14:19

Tgt Ion	Ratio	Lower	Upper
63	100		
106	23.5	22.2	33.2





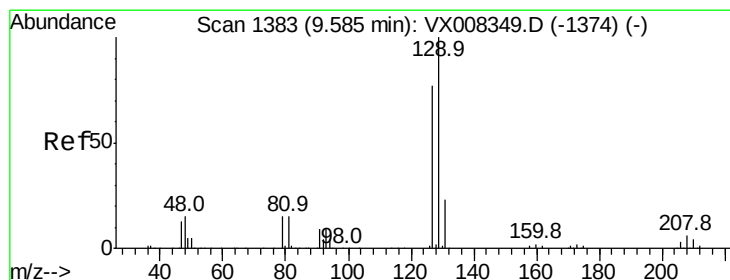
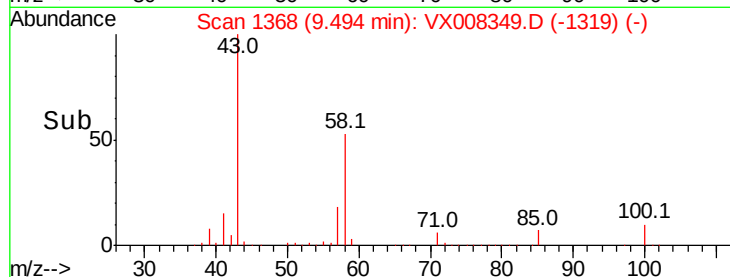
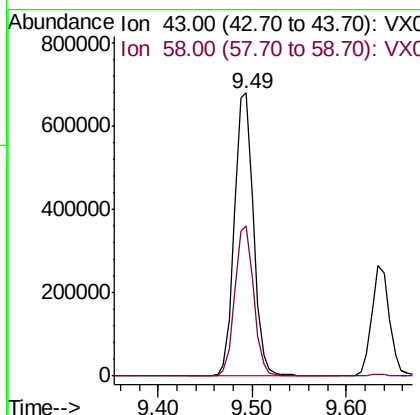
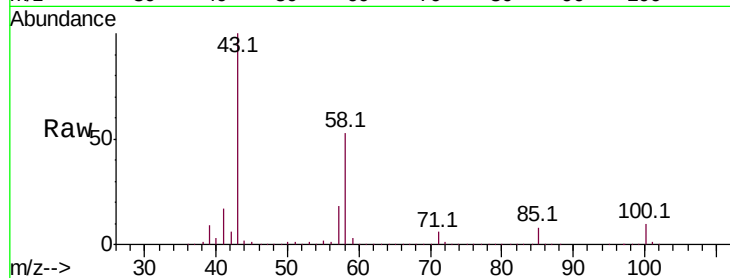
#59
2-Hexanone
Concen: 248.942 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX008349.D
Acq: 23 Mar 2019 14:19

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC050

Tot Ion: 43 Resp: 950656
Ion Ratio Lower Upper
43 100
58 52.7 27.6 82.7

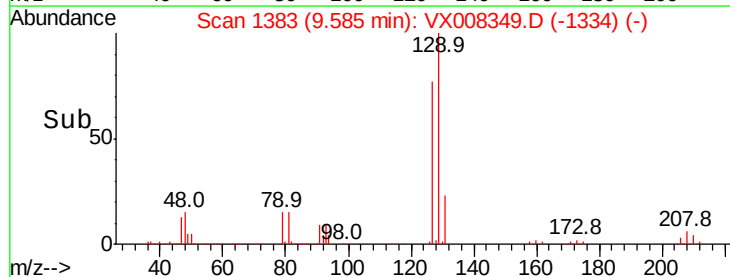
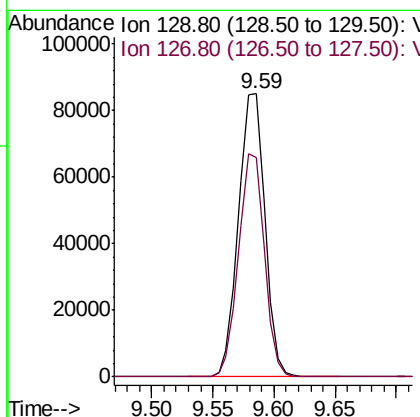
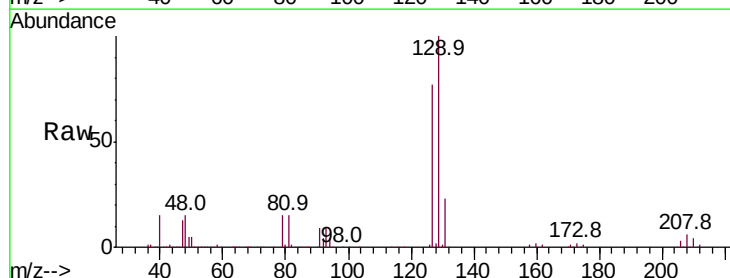
Manual Integrations
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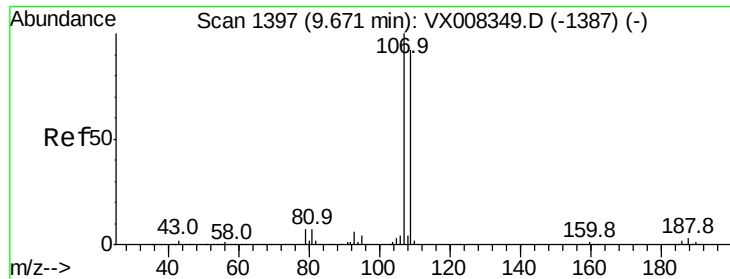
MMDadoda
3/25/2019 11:16:46 AM



#60
Dibromochloromethane
Concen: 46.280 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX008349.D
Acq: 23 Mar 2019 14:19

Tgt Ion: 129 Resp: 127774
Ion Ratio Lower Upper
129 100
127 77.2 38.3 114.8





#61

1,2-Dibromoethane

Concen: 44.960 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008349.D

Acq: 23 Mar 2019 14:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:107 Resp: 134864

Ion Ratio Lower Upper

107 100

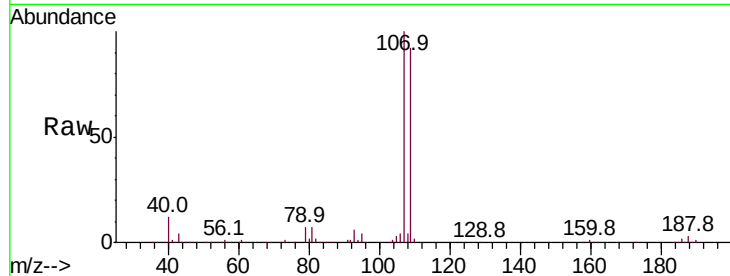
109 93.7 75.8 113.8

Manual Integrations

APPROVED

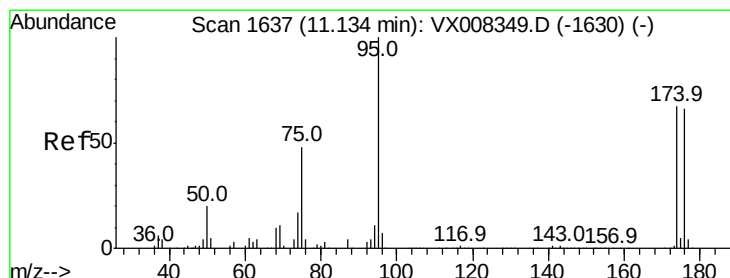
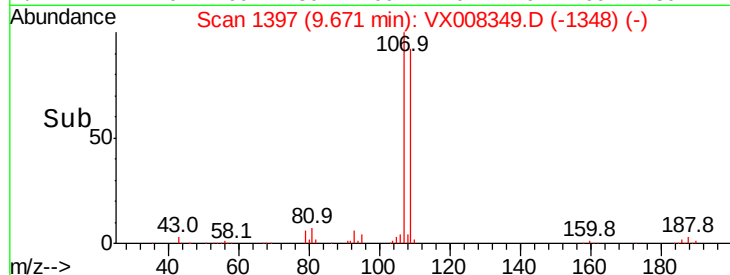
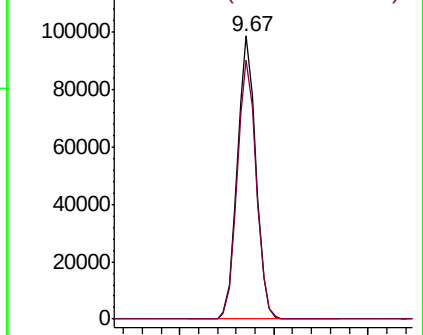
MMDadoda

3/25/2019 11:16:46 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.004 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008349.D

Acq: 23 Mar 2019 14:19

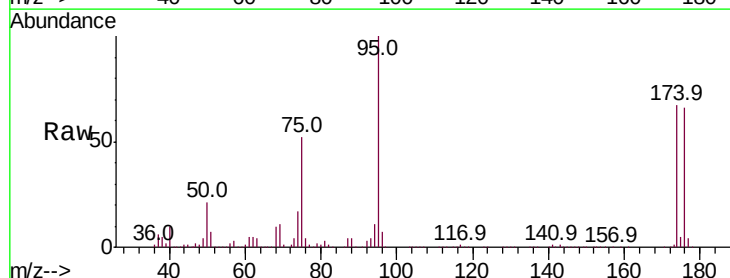
Tgt Ion: 95 Resp: 161101

Ion Ratio Lower Upper

95 100

174 73.2 0.0 182.8

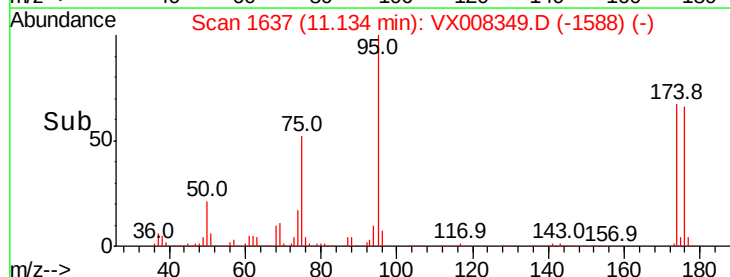
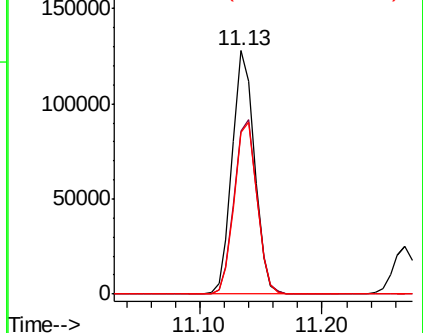
176 72.0 0.0 178.0

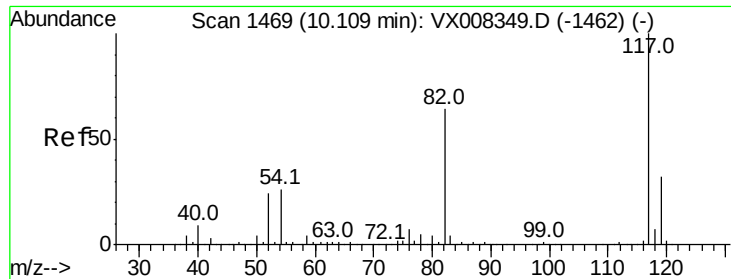


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





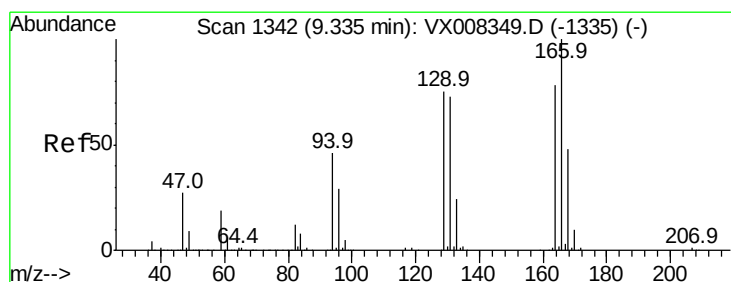
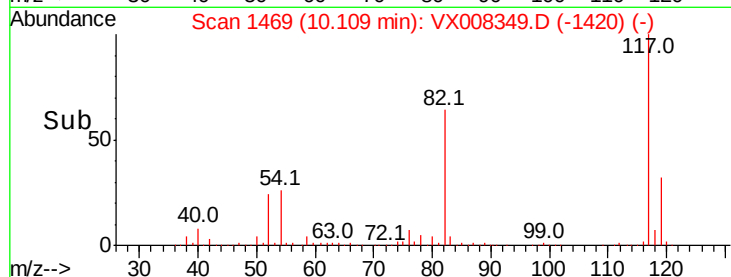
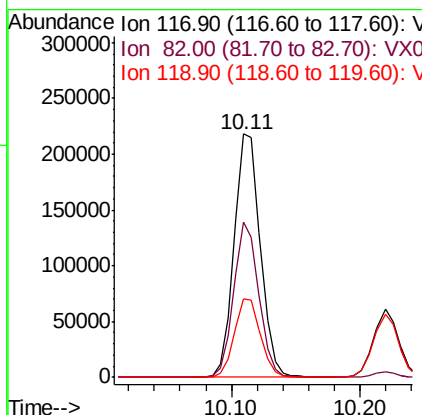
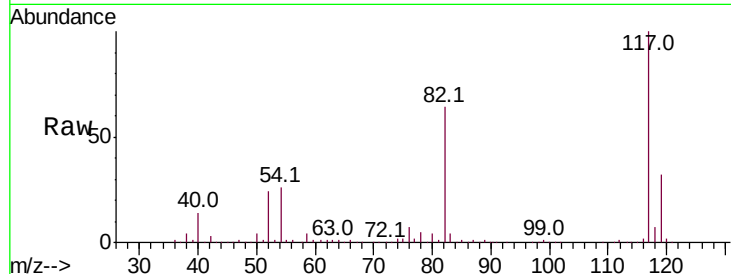
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008349.D
Acq: 23 Mar 2019 14:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.6	44.3	66.5
119	32.0	25.3	37.9

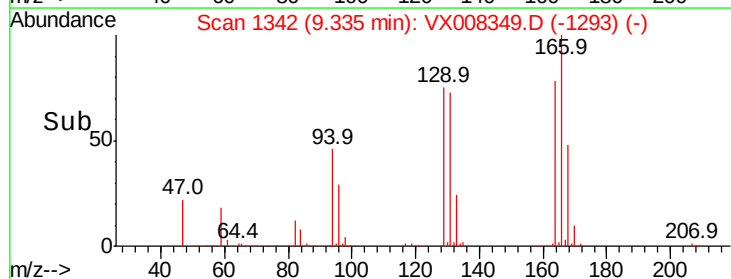
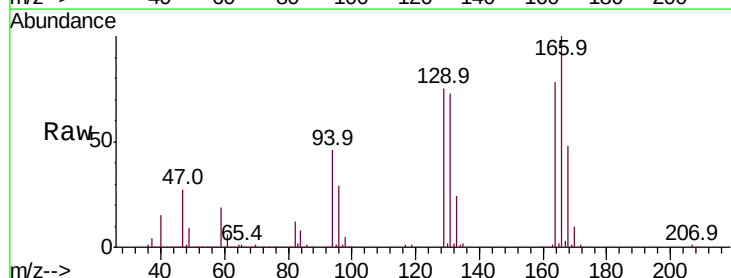
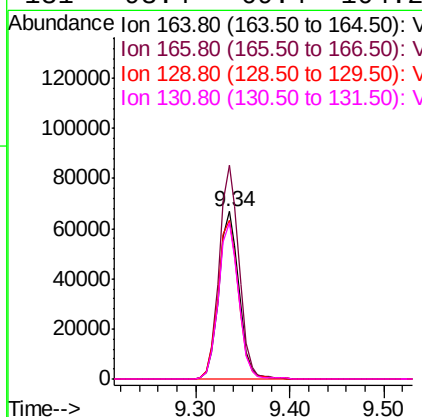
Manual Integrations
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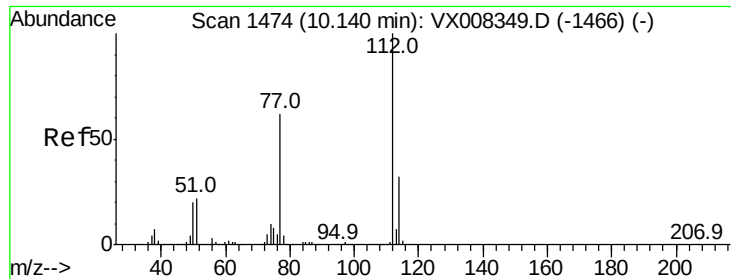
MMDadoda
3/25/2019 11:16:46 AM



#64
Tetrachloroethene
Concen: 35.246 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008349.D
Acq: 23 Mar 2019 14:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	103.4	155.0
129	95.0	72.2	108.4
131	93.4	69.4	104.2





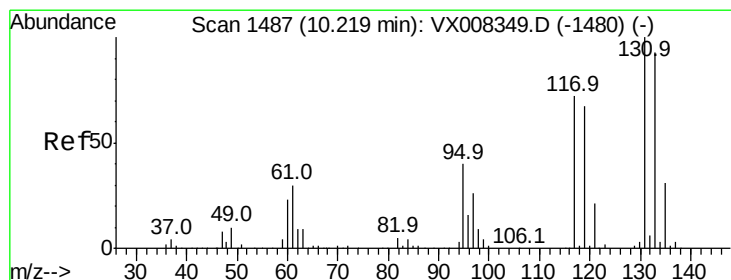
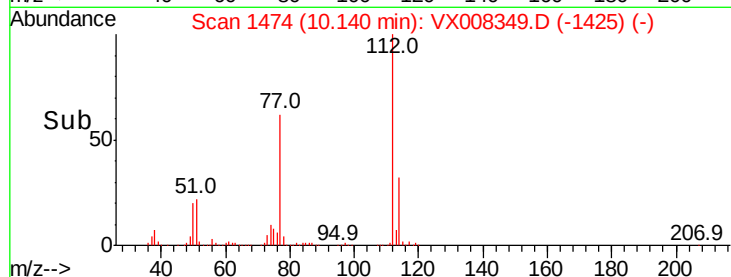
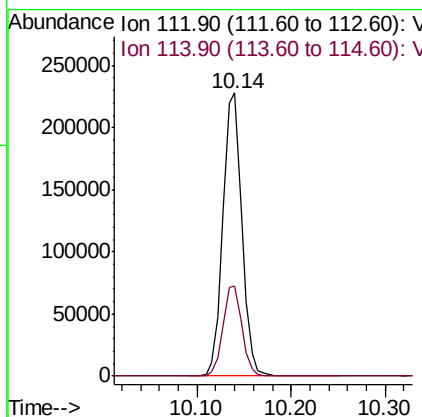
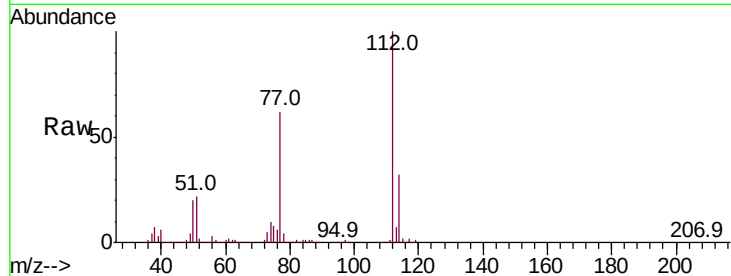
#65
Chlorobenzene
Concen: 41.685 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX008349.D
Acq: 23 Mar 2019 14:19

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC050

Tot Ion:112 Resp: 317697
Ion Ratio Lower Upper
112 100
114 31.7 26.0 39.0

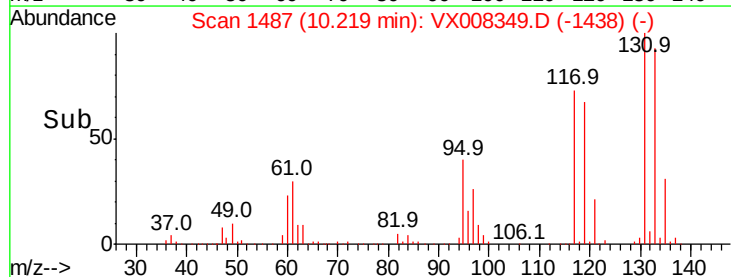
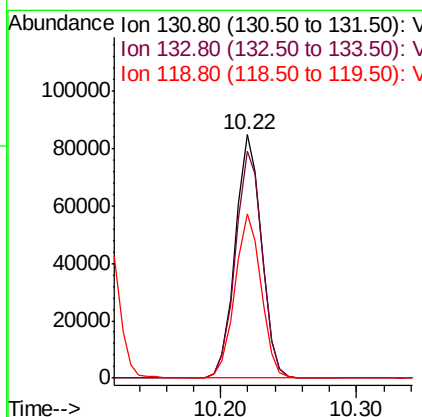
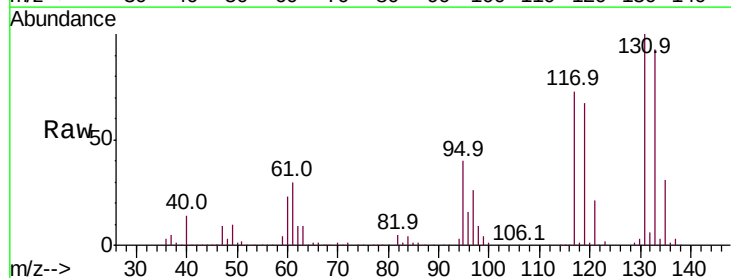
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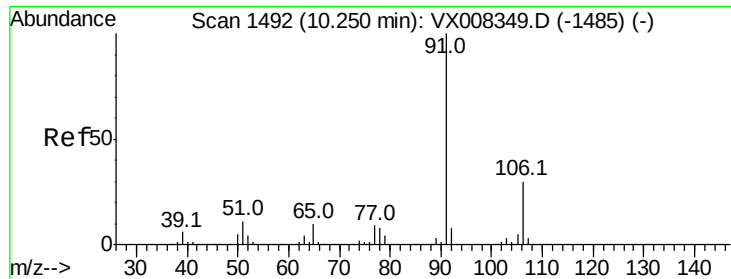
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3/25/2019 11:16:46 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 42.725 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX008349.D
Acq: 23 Mar 2019 14:19

Tgt Ion:131 Resp: 113533
Ion Ratio Lower Upper
131 100
133 95.6 47.8 143.3
119 67.7 32.5 97.5





#67

Ethyl Benzene

Concen: 44.744 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008349.D

Acq: 23 Mar 2019 14:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 600934

Ion Ratio Lower Upper

91 100

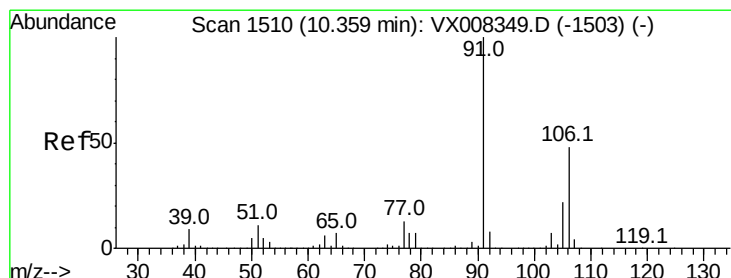
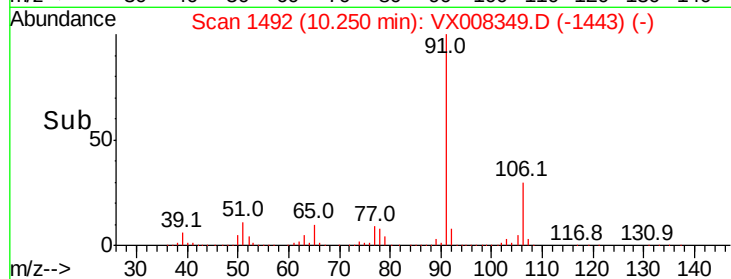
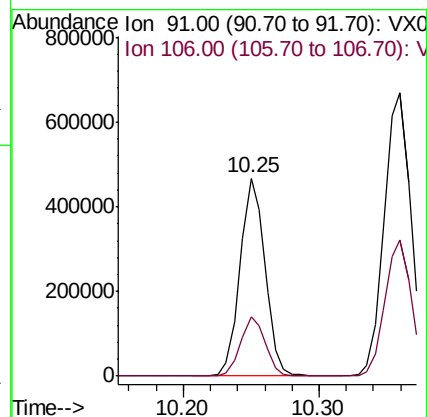
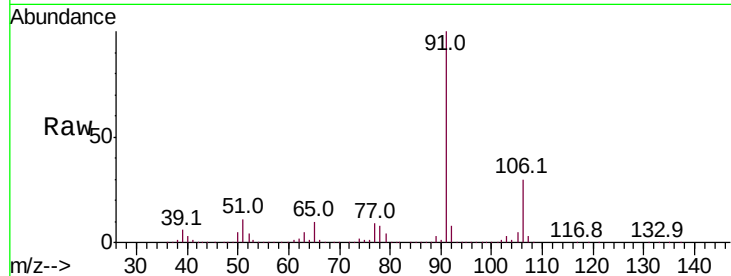
106 30.0 25.2 37.8

Manual Integrations

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3/25/2019 11:16:46 AM



#68

m/p-Xylenes

Concen: 88.366 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008349.D

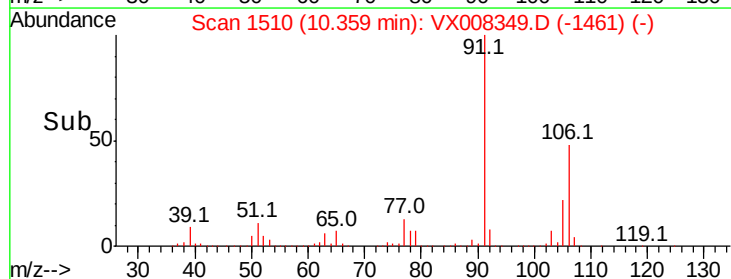
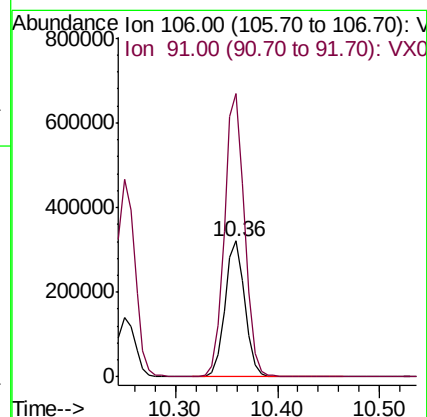
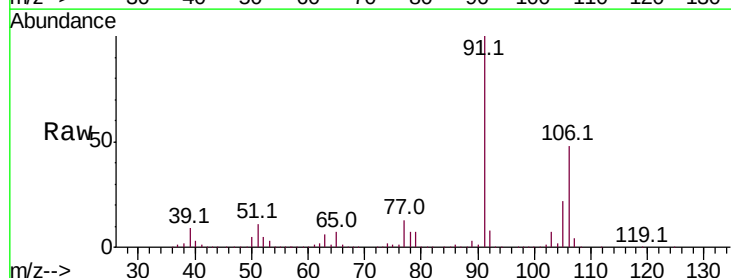
Acq: 23 Mar 2019 14:19

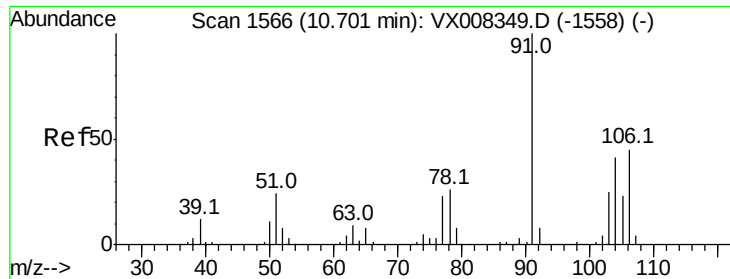
Tgt Ion: 106 Resp: 435958

Ion Ratio Lower Upper

106 100

91 211.9 159.8 239.6





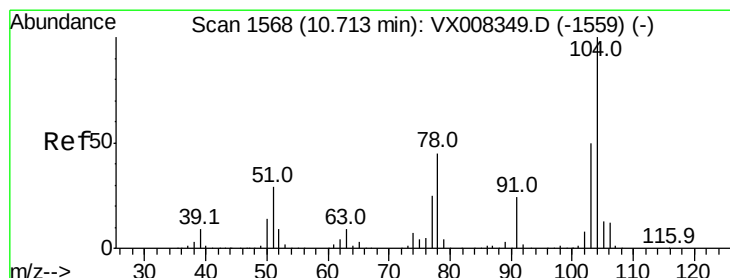
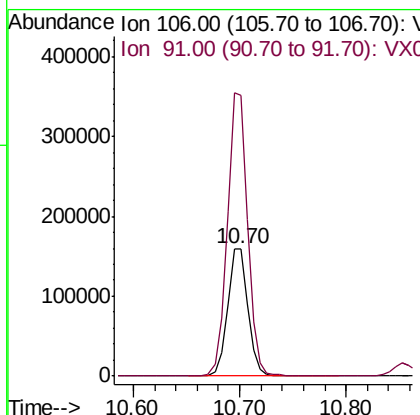
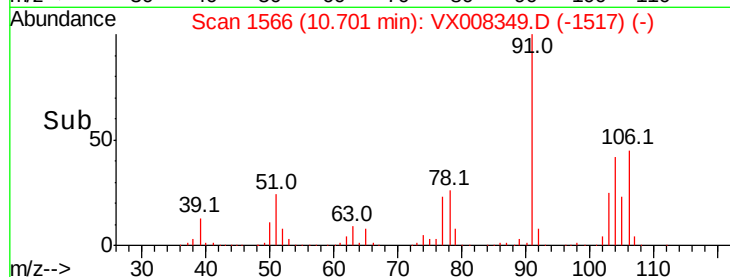
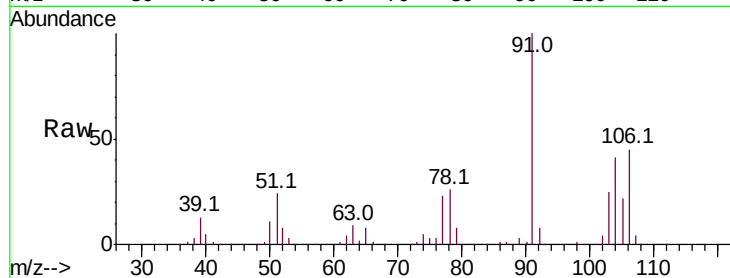
#69
o-Xylene
Concen: 44.330 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX008349.D
Acq: 23 Mar 2019 14:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	221.6	106.3	318.9

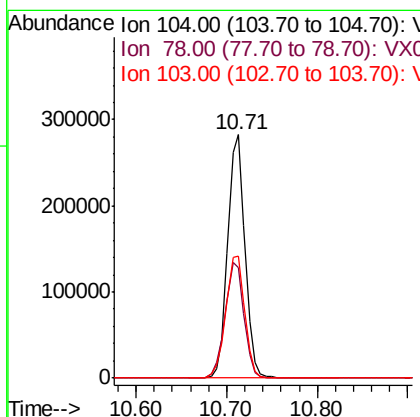
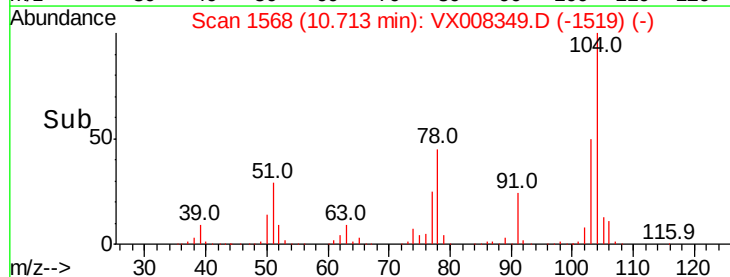
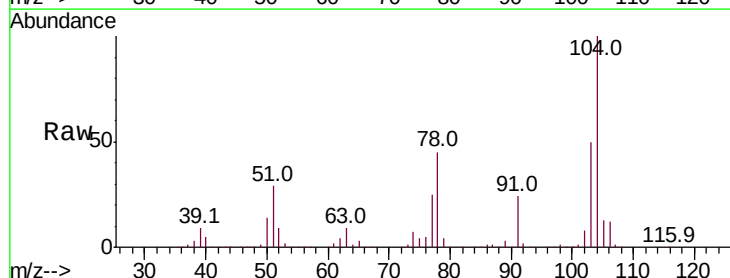
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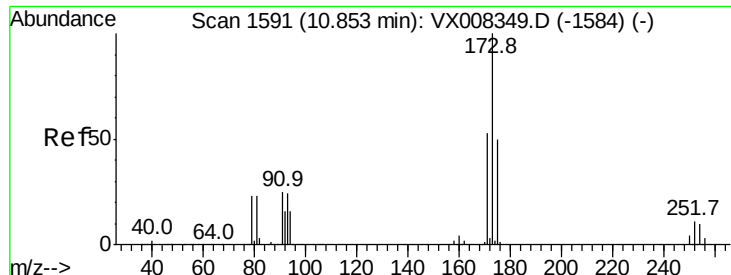
MMDadoda
3/25/2019 11:16:46 AM



#70
Styrene
Concen: 47.974 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008349.D
Acq: 23 Mar 2019 14:19

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.6	38.5	57.7
103	55.5	44.1	66.1





#71

Bromoform

Concen: 44.182 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX008349.D

Acq: 23 Mar 2019 14:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 89305

Ion Ratio Lower Upper

173 100

175 49.3 24.3 72.9

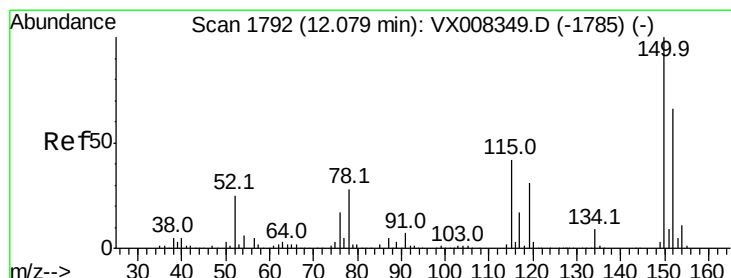
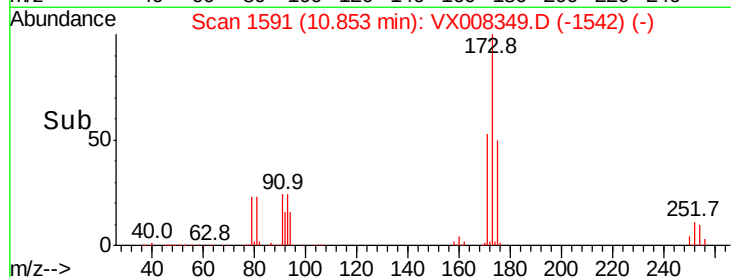
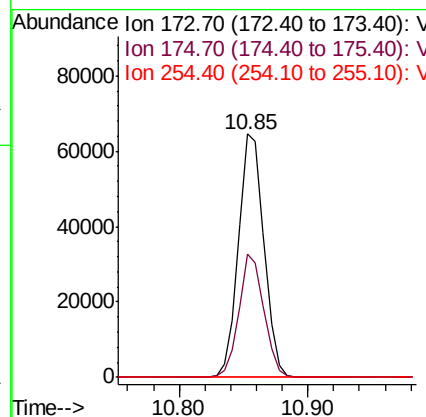
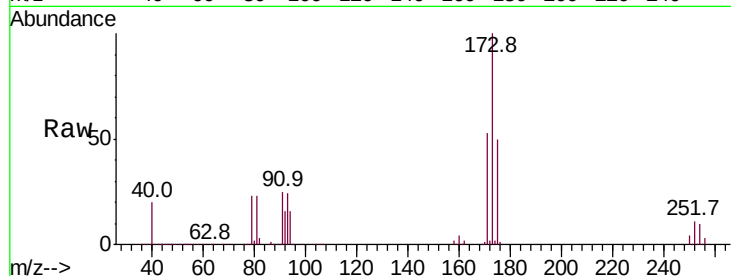
254 0.2 0.1 0.1#

Manual Integrations

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3/25/2019 11:16:46 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008349.D

Acq: 23 Mar 2019 14:19

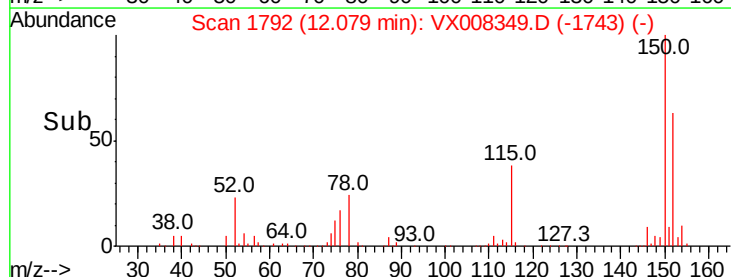
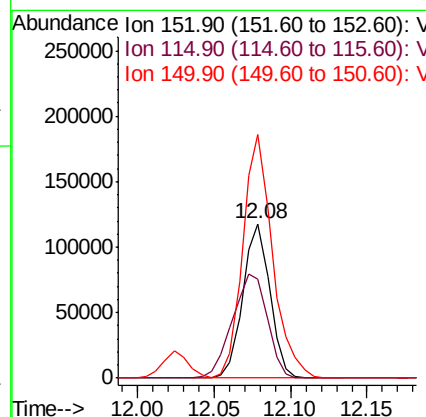
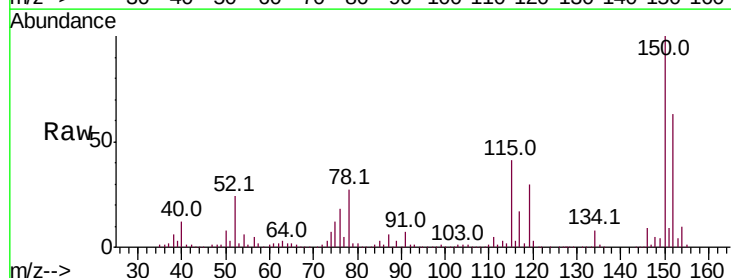
Tgt Ion:152 Resp: 143925

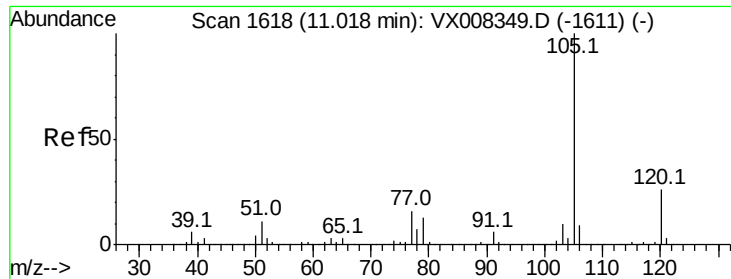
Ion Ratio Lower Upper

152 100

115 87.7 38.6 115.7

150 172.8 0.0 348.4





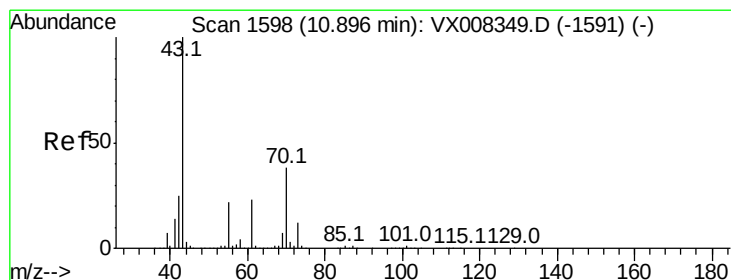
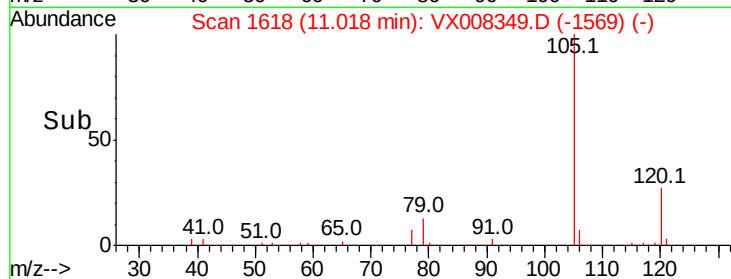
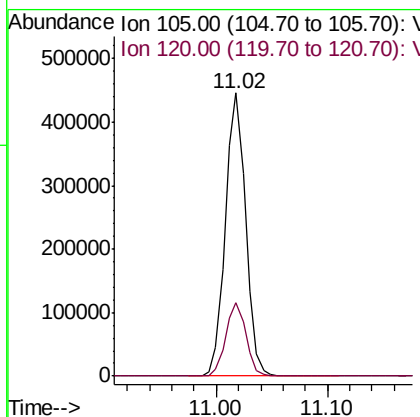
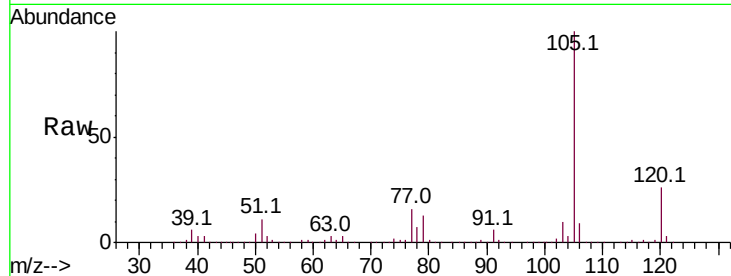
#73
Isopropylbenzene
Concen: 43.618 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX008349.D
Acq: 23 Mar 2019 14:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion:105 Resp: 559572
Ion Ratio Lower Upper
105 100
120 25.7 13.4 40.1

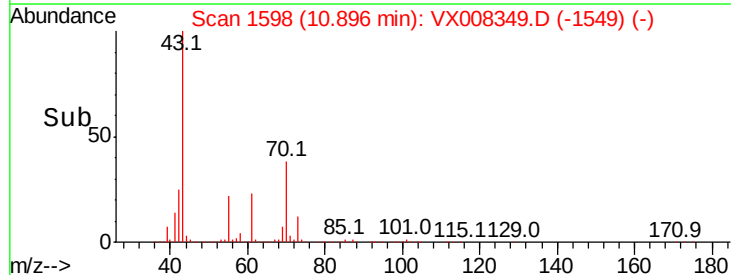
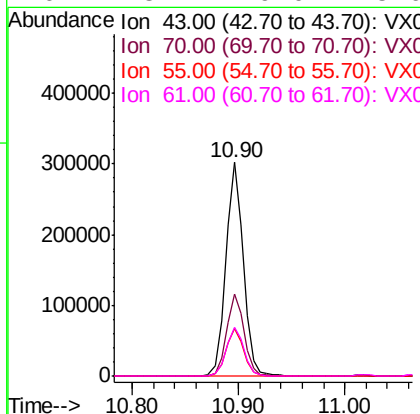
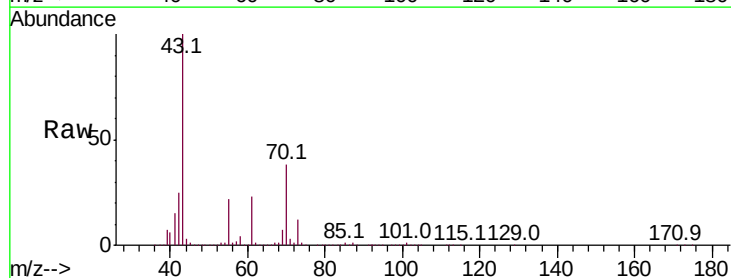
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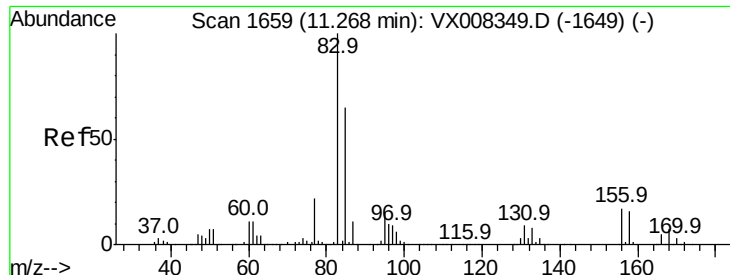
MMDadoda
3/25/2019 11:16:46 AM



#74
N-ethyl acetate
Concen: 51.493 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX008349.D
Acq: 23 Mar 2019 14:19

Tgt Ion: 43 Resp: 346104
Ion Ratio Lower Upper
43 100
70 38.4 33.5 50.3
55 22.8 19.2 28.8
61 23.1 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 47.918 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008349.D

Acq: 23 Mar 2019 14:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 220431

Ion Ratio Lower Upper

83 100

131 8.9 5.4 16.2

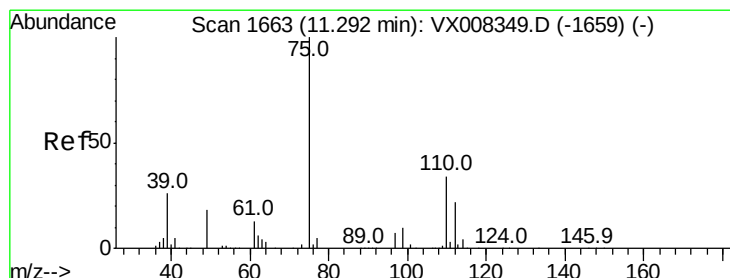
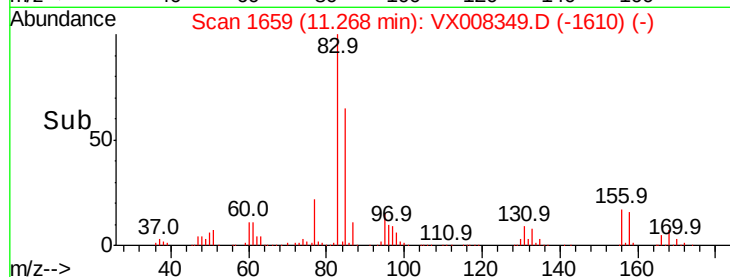
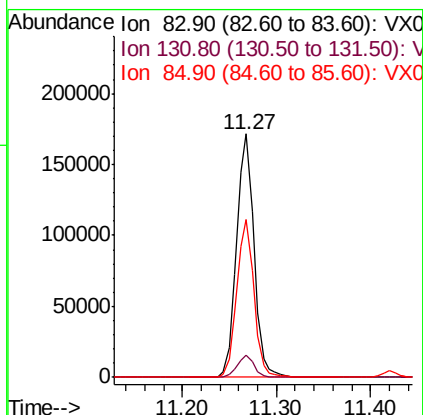
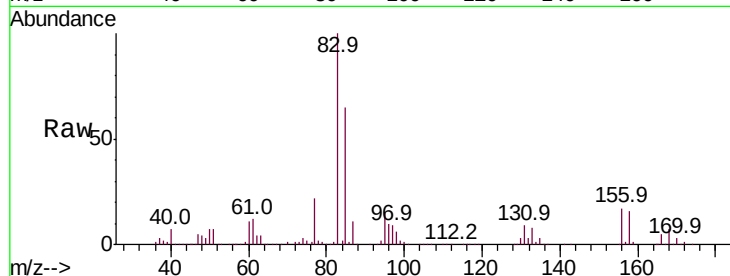
85 64.0 32.3 96.8

Manual Integrations

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3/25/2019 11:16:46 AM



#76

1,2,3-Trichloropropane

Concen: 45.089 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX008349.D

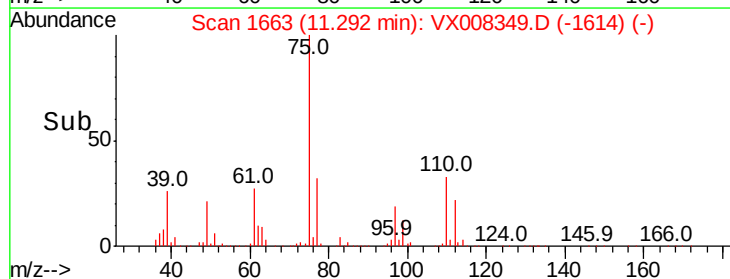
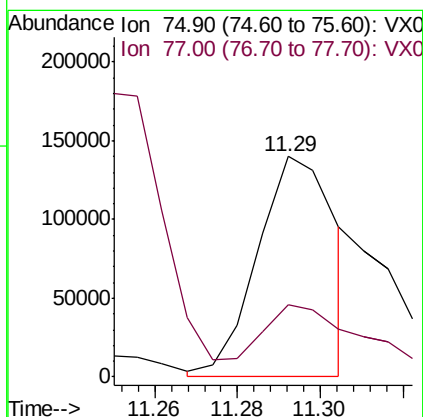
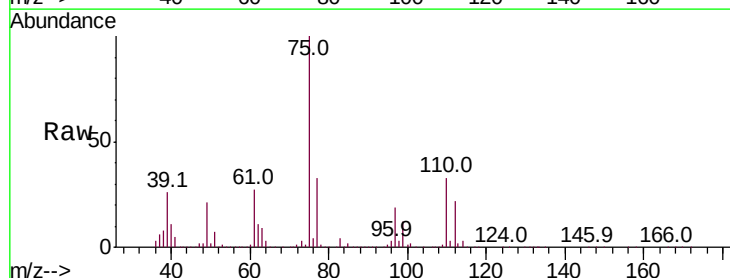
Acq: 23 Mar 2019 14:19

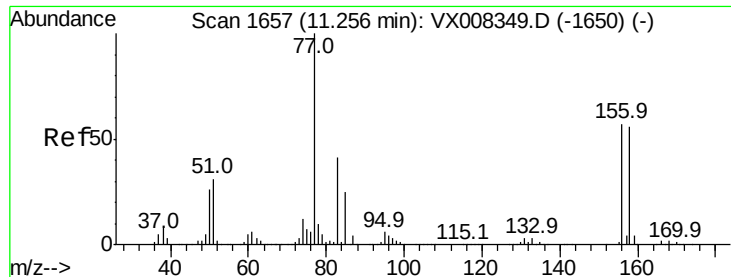
Tgt Ion: 75 Resp: 182524

Ion Ratio Lower Upper

75 100

77 44.5 18.9 56.7





#77

Bromobenzene

Concen: 42.324 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008349.D

Acq: 23 Mar 2019 14:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:156 Resp: 131279

Ion Ratio Lower Upper

156 100

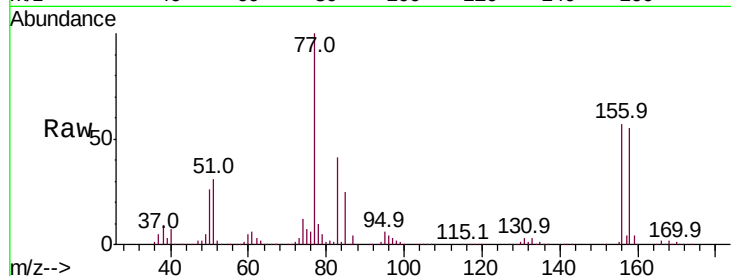
77 184.7 72.0 215.9

158 97.2 48.6 145.9

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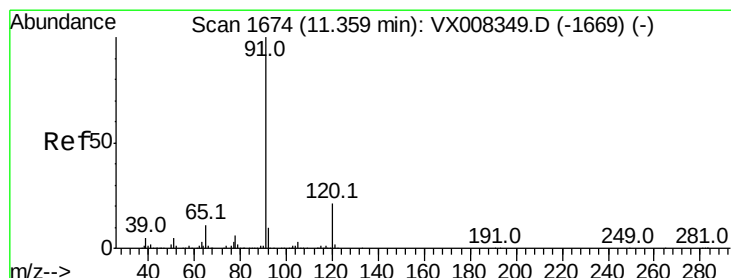
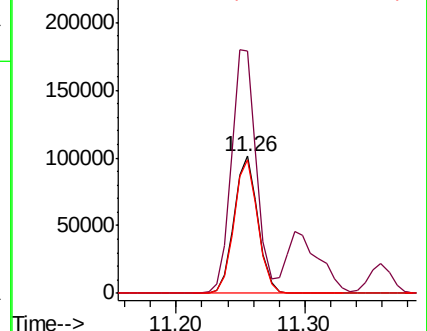
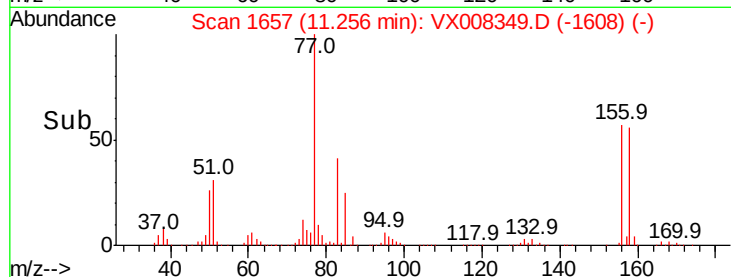
3/25/2019 11:16:46 AM



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: 44.732 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008349.D

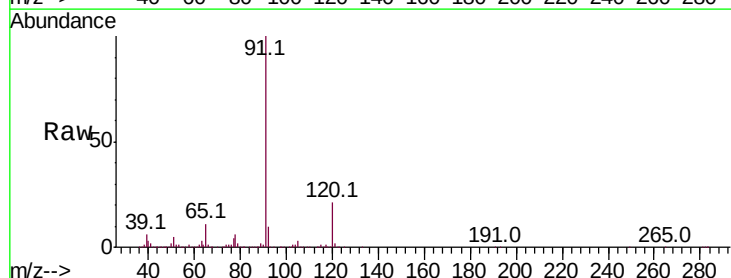
Acq: 23 Mar 2019 14:19

Tgt Ion: 91 Resp: 666510

Ion Ratio Lower Upper

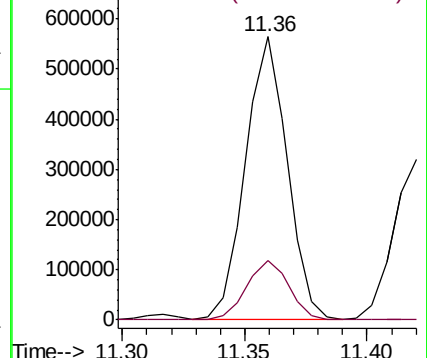
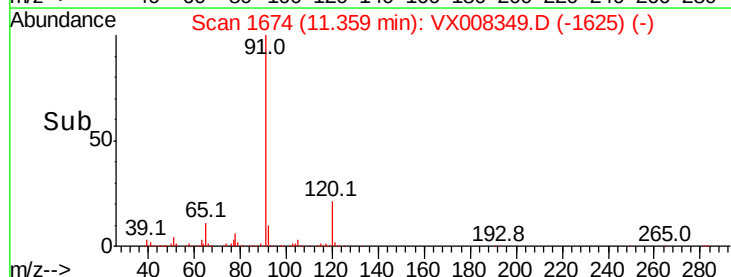
91 100

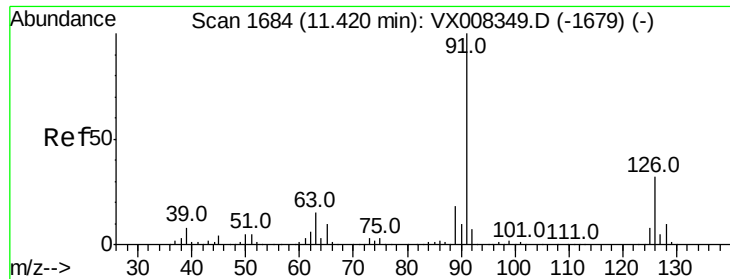
120 21.4 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 43.965 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008349.D

Acq: 23 Mar 2019 14:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 393191

Ion Ratio Lower Upper

91 100

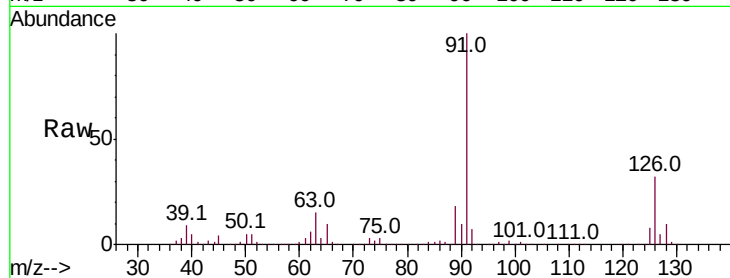
126 31.9 17.5 52.6

Manual Integrations

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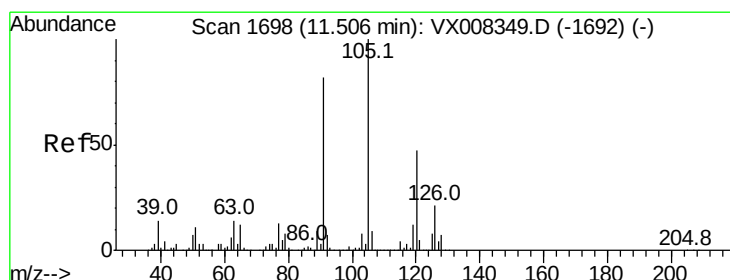
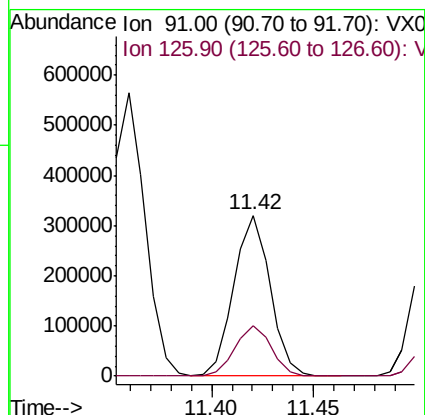
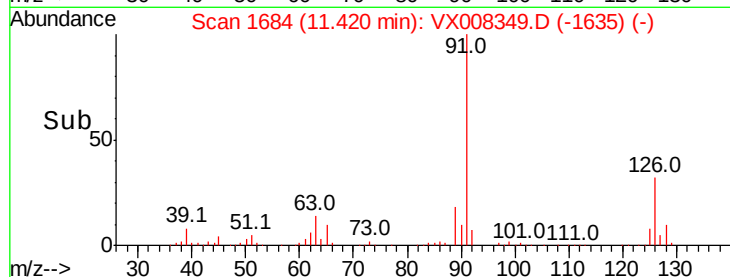
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Abundance Ion 91.00 (90.70 to 91.70): VX008349.D (-1679) (-)

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



#80

1,3,5-Trimethylbenzene

Concen: 44.991 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008349.D

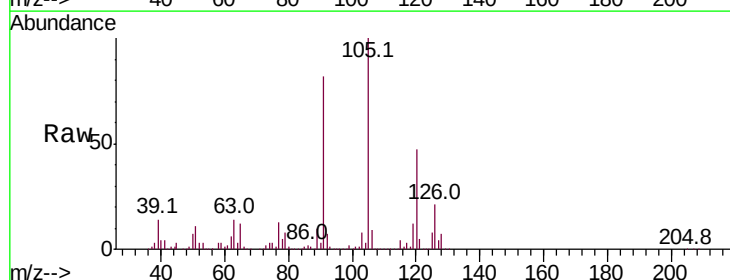
Acq: 23 Mar 2019 14:19

Tgt Ion: 105 Resp: 476841

Ion Ratio Lower Upper

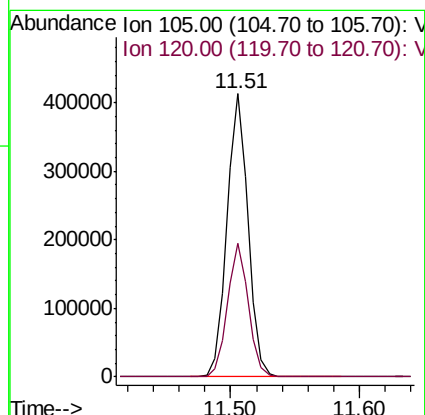
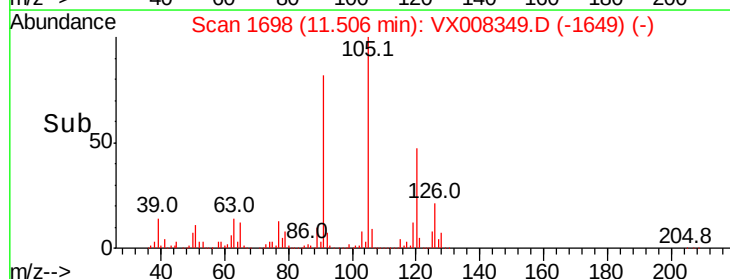
105 100

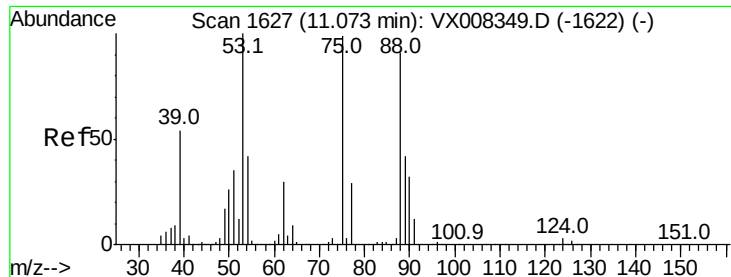
120 46.8 24.9 74.6



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

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





#81

trans-1,4-Dichloro-2-butene

Concen: 50.707 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008349.D

Acq: 23 Mar 2019 14:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 71763

Ion Ratio Lower Upper

75 100

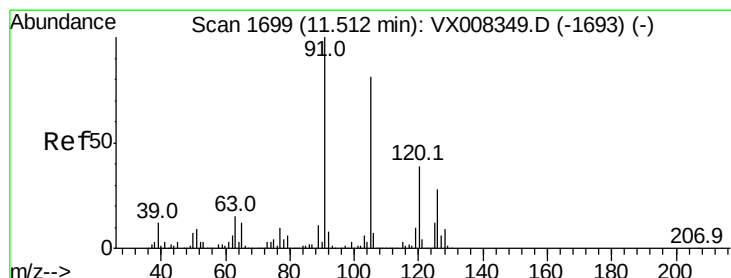
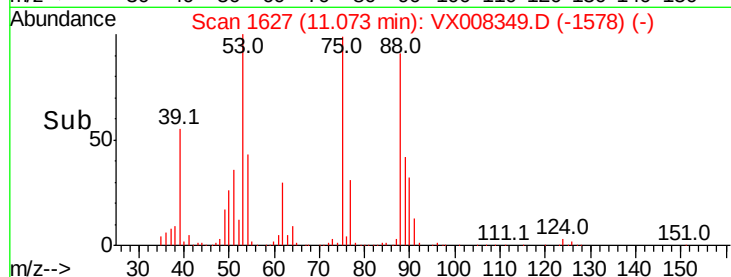
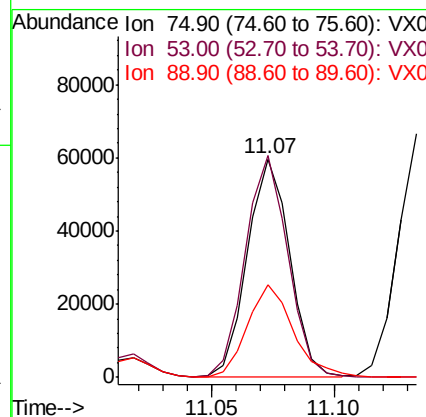
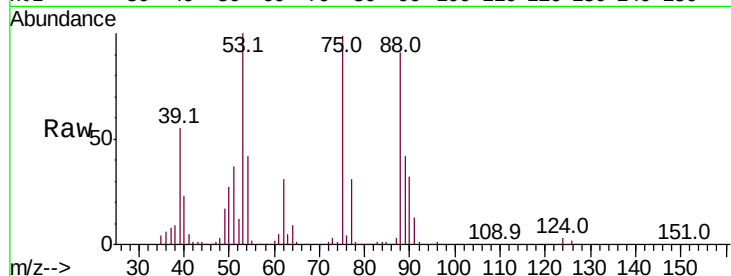
53 103.4 76.1 114.1

89 46.3 36.3 54.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 43.950 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX008349.D

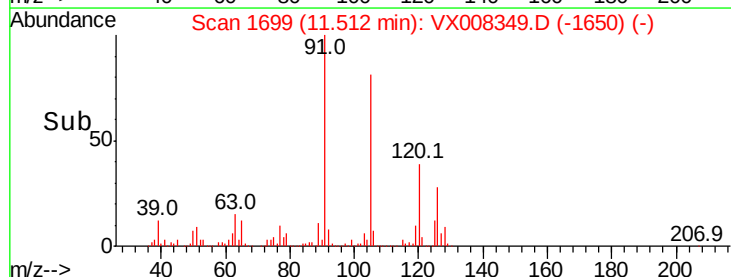
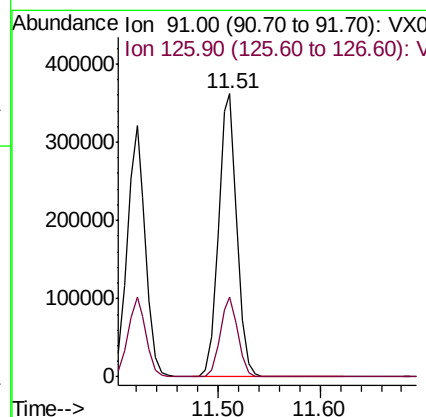
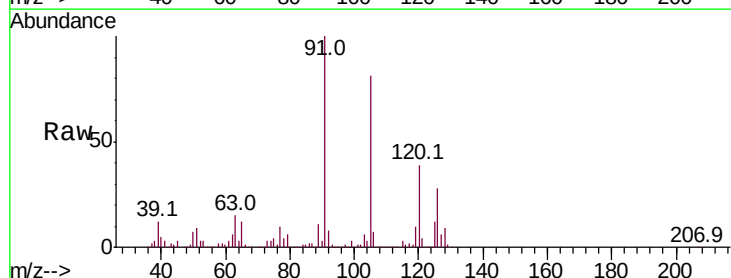
Acq: 23 Mar 2019 14:19

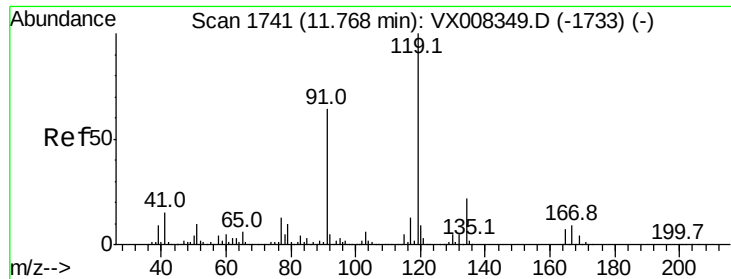
Tgt Ion: 91 Resp: 457379

Ion Ratio Lower Upper

91 100

126 27.4 15.6 46.8





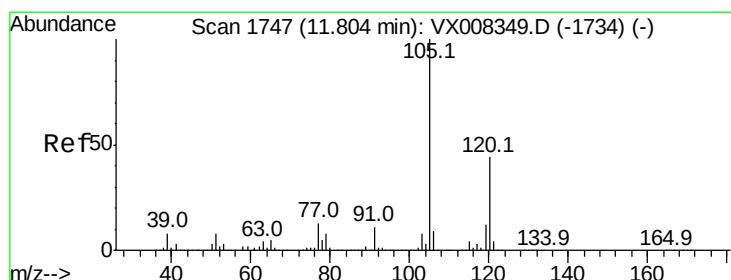
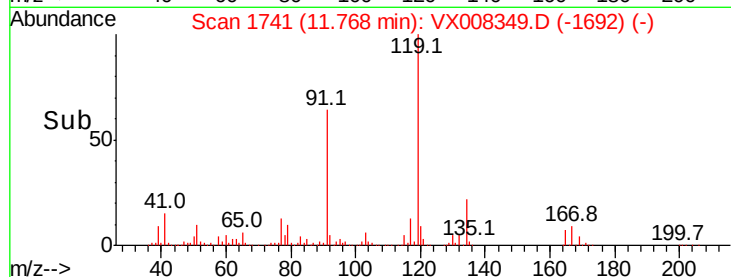
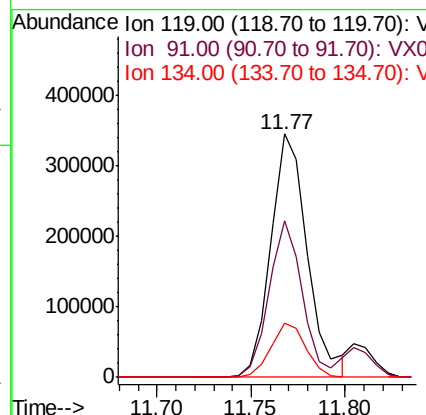
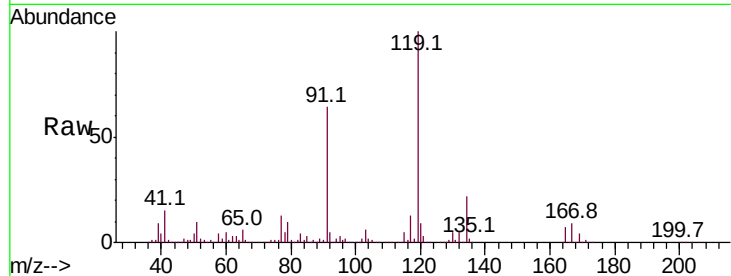
#83
 tert-Butylbenzene
 Concen: 45.881 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX008349.D
 Acq: 23 Mar 2019 14:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.5	27.1	81.3
134	21.5	11.4	34.1

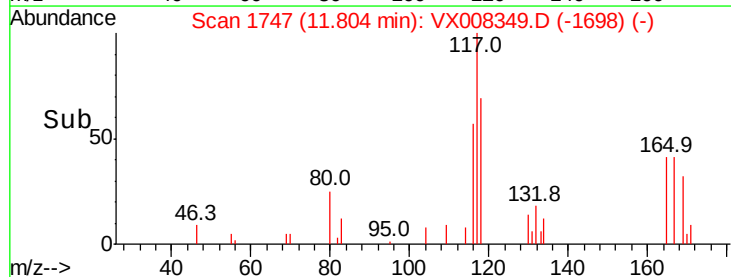
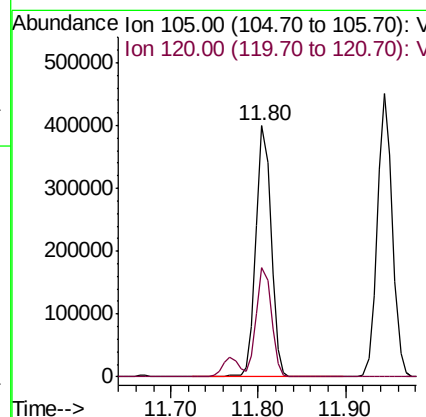
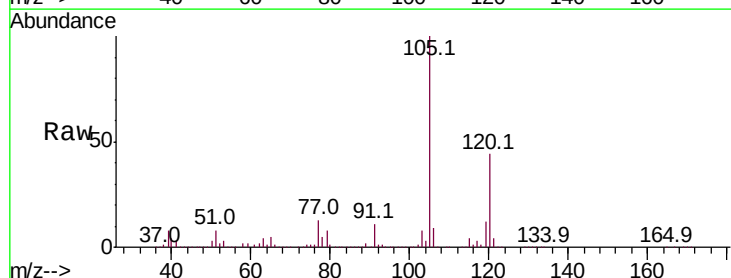
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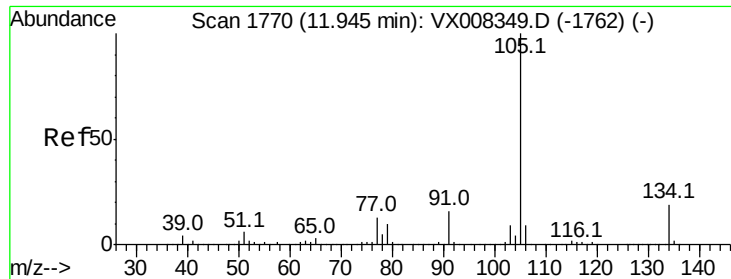
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 44.508 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX008349.D
 Acq: 23 Mar 2019 14:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.6	67.7





#85

sec-Butylbenzene

Concen: 43.632 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008349.D

Acq: 23 Mar 2019 14:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 546758

Ion Ratio Lower Upper

105 100

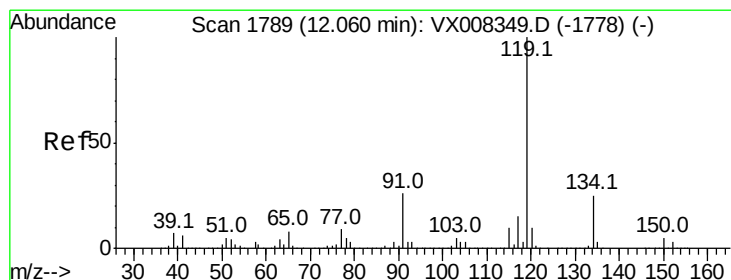
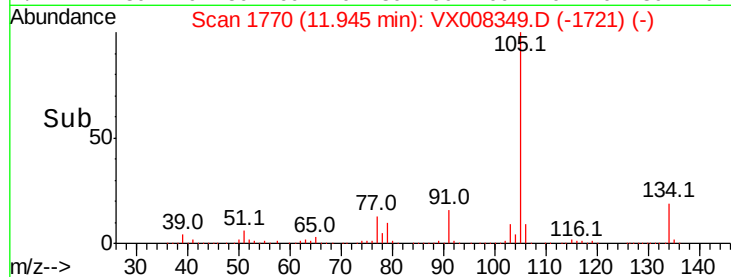
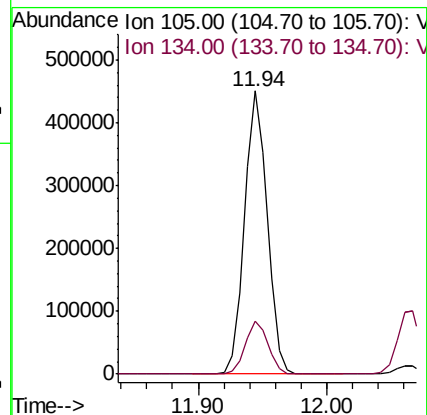
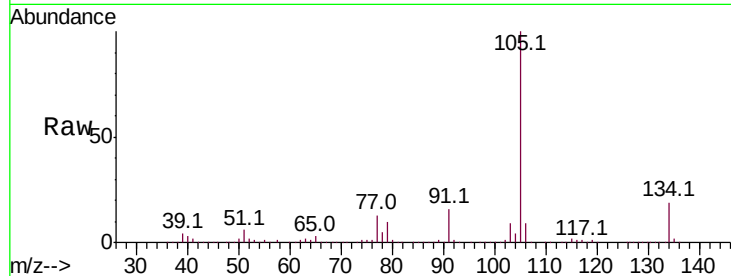
134 18.7 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 45.277 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008349.D

Acq: 23 Mar 2019 14:19

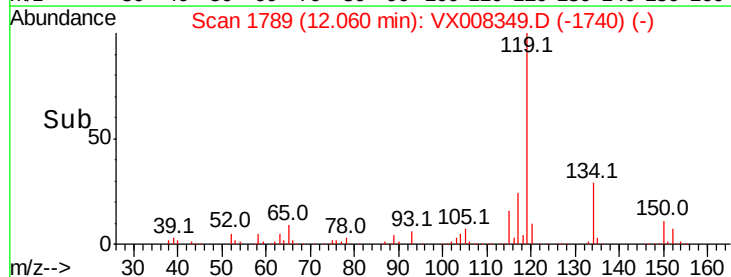
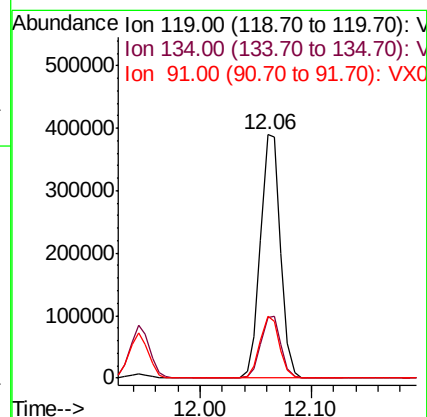
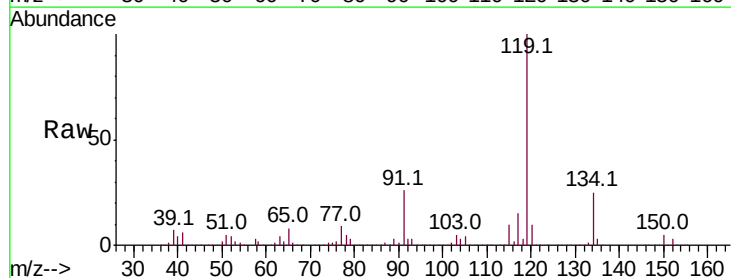
Tgt Ion:119 Resp: 491114

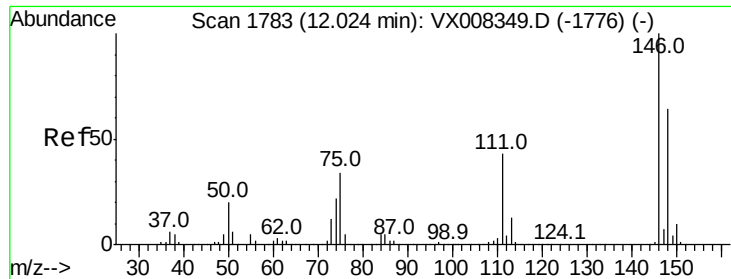
Ion Ratio Lower Upper

119 100

134 25.6 13.3 39.9

91 24.8 10.9 32.7





#87

1,3-Dichlorobenzene

Concen: 42.327 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX008349.D

Acq: 23 Mar 2019 14:19

Instrument :

MSVOA_X

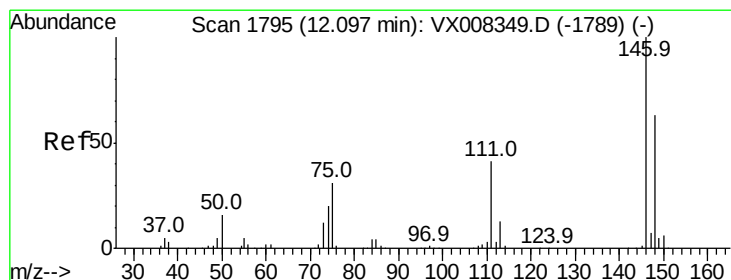
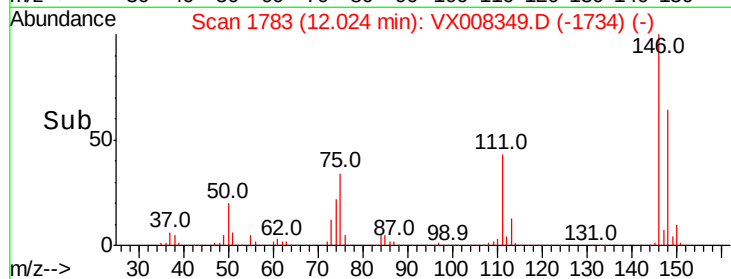
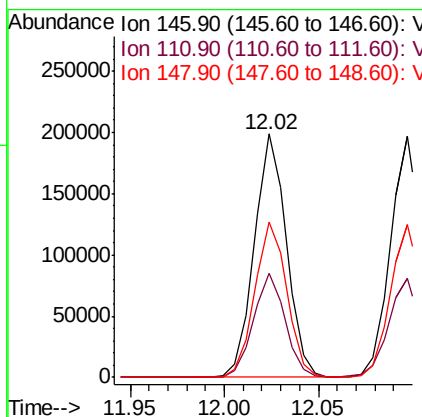
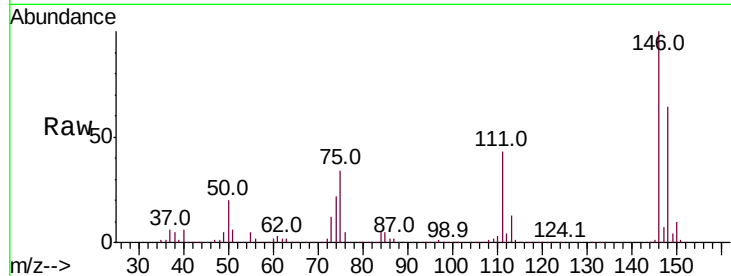
ClientSampleId :

VSTDICCC050

Tot Ion:	146	Resp:	234632
Ion Ratio	Lower	Upper	
146	100		
111	42.1	18.9	56.7
148	63.8	31.7	95.1

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#88

1,4-Dichlorobenzene

Concen: 40.716 ug/l

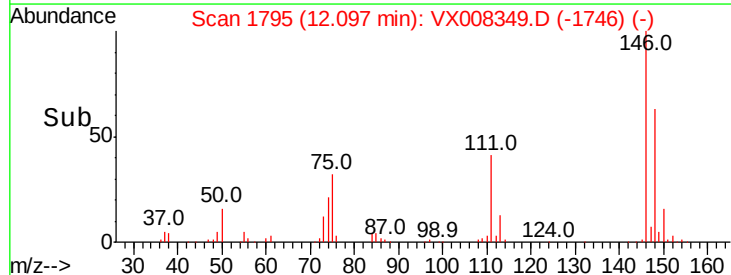
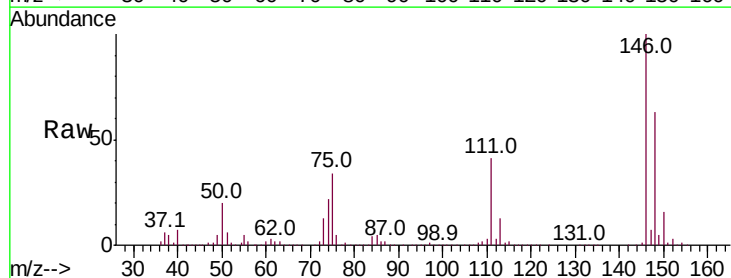
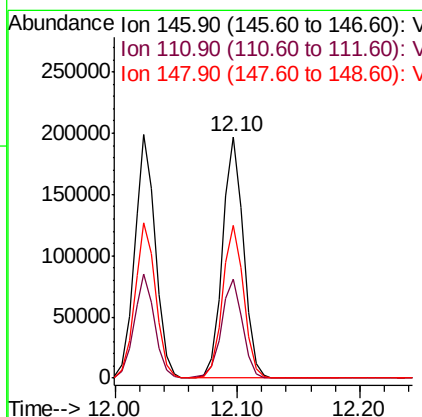
RT: 12.10 min Scan# 1795

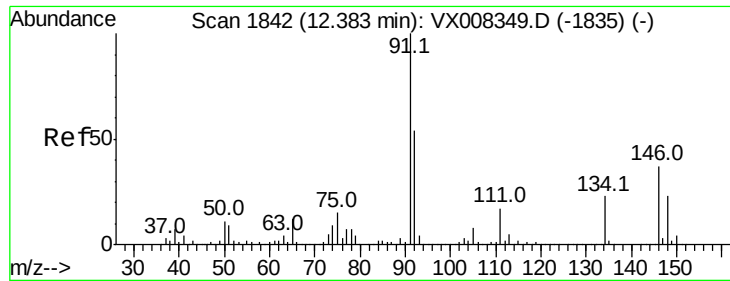
Delta R.T. 0.00 min

Lab File: VX008349.D

Acq: 23 Mar 2019 14:19

Tgt Ion:	146	Resp:	233461
Ion Ratio	Lower	Upper	
146	100		
111	41.5	18.4	55.0
148	63.8	32.2	96.6





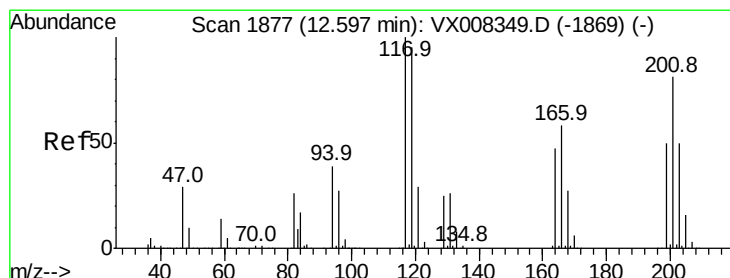
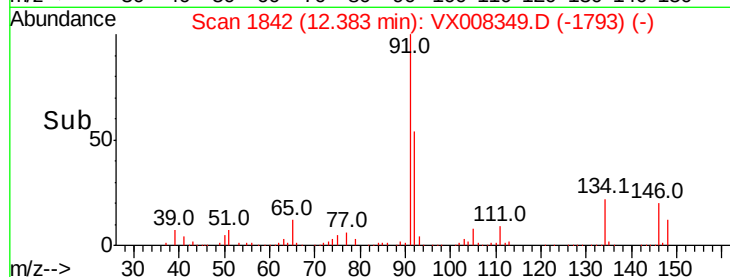
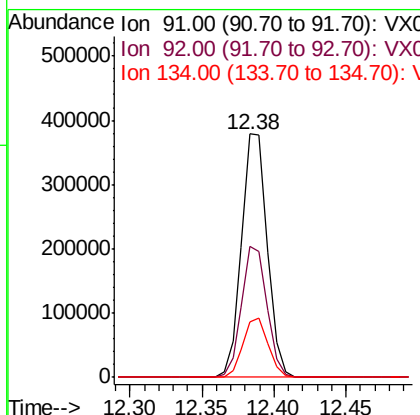
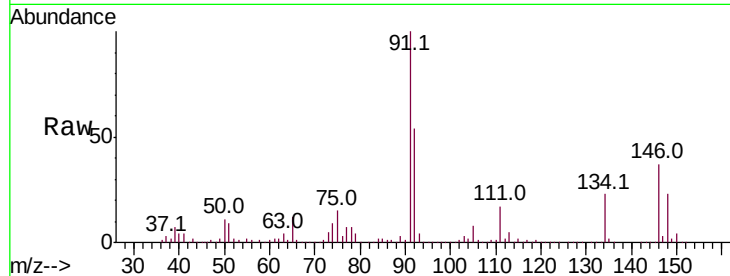
#89
n-Butylbenzene
Concen: 46.156 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX008349.D
Acq: 23 Mar 2019 14:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	27.0	80.8
134	23.7	13.7	41.0

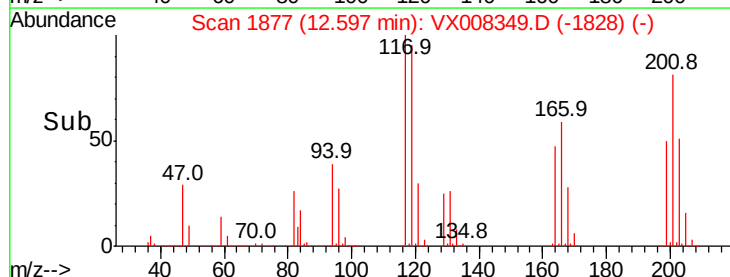
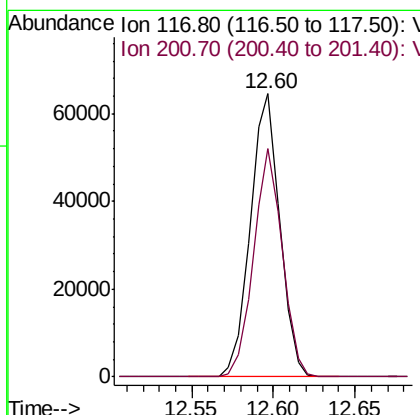
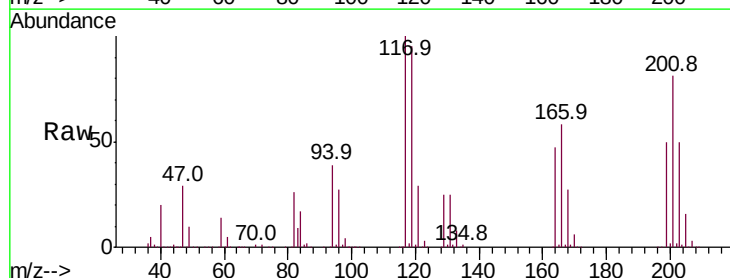
Manual Integrations
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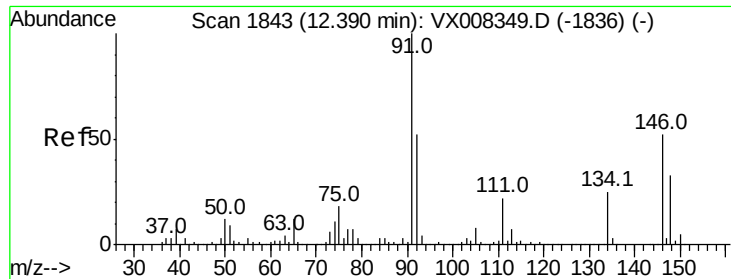
MMDadoda
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#90
Hexachloroethane
Concen: 44.055 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX008349.D
Acq: 23 Mar 2019 14:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.3	48.9	146.7





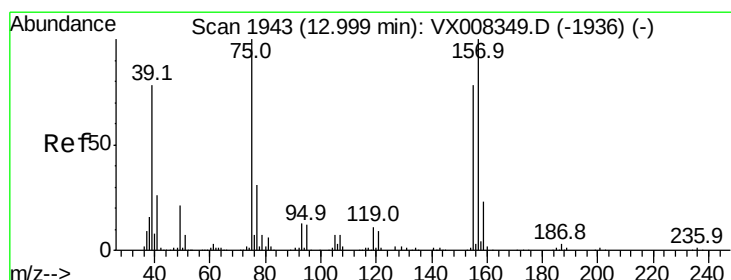
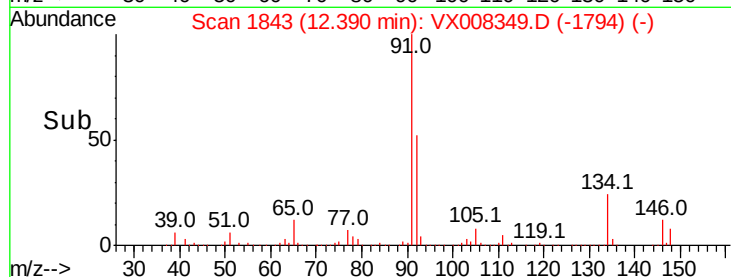
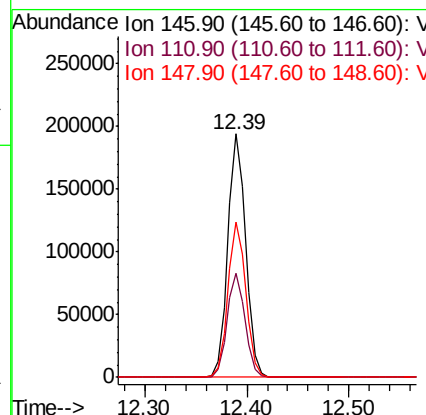
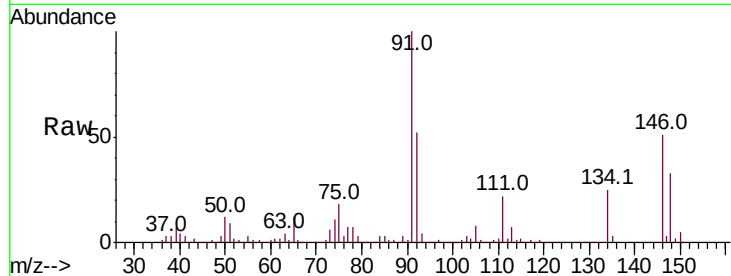
#91
 1,2-Dichlorobenzene
 Concen: 42.323 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008349.D
 Acq: 23 Mar 2019 14:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	19.6	58.8
148	63.8	31.9	95.5

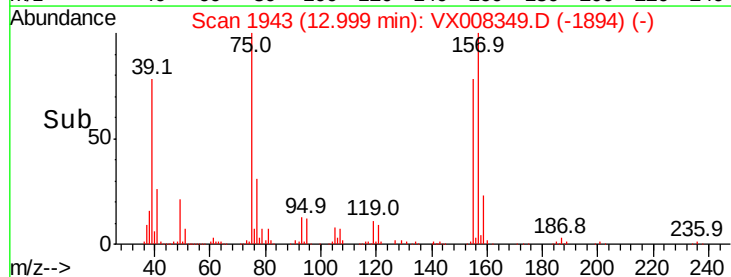
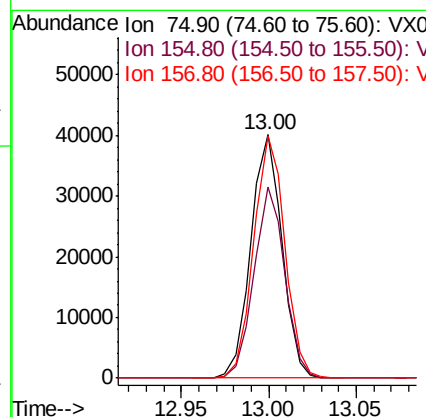
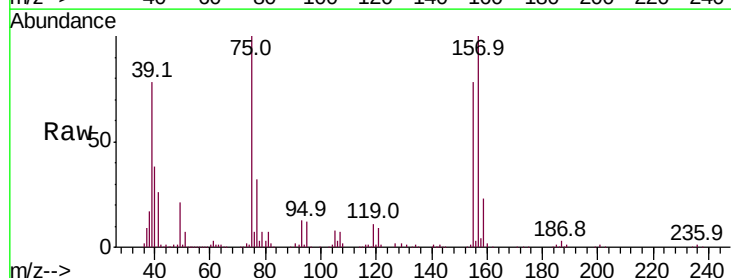
Manual Integrations
 APPROVED

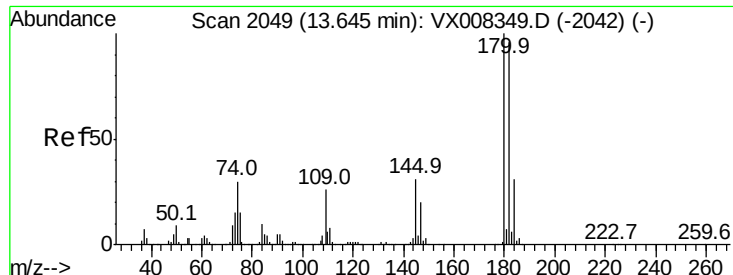
MMDadoda
 3/25/2019 11:16:46 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.412 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX008349.D
 Acq: 23 Mar 2019 14:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.7	49.7	149.1
157	100.0	63.8	191.4





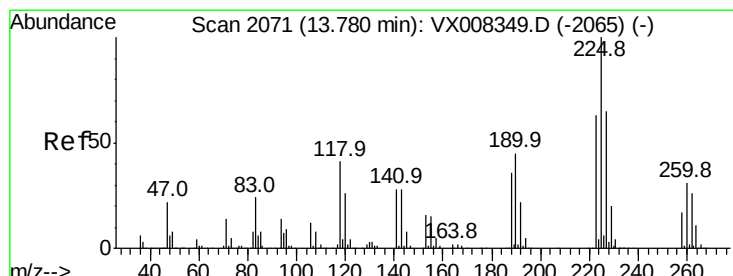
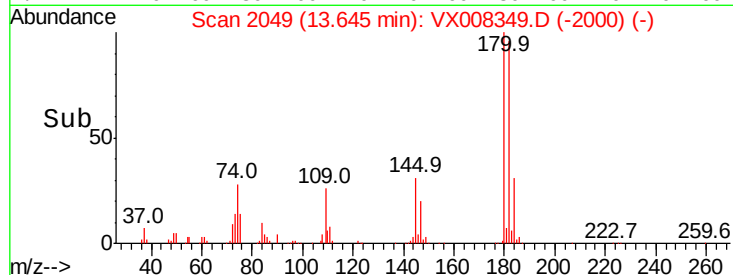
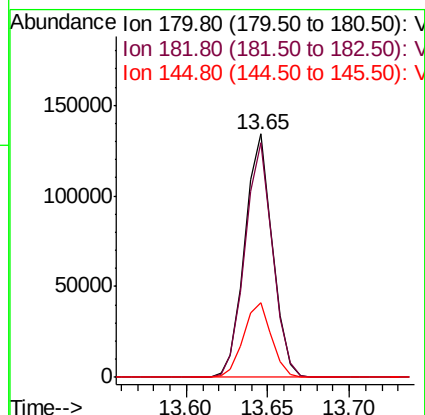
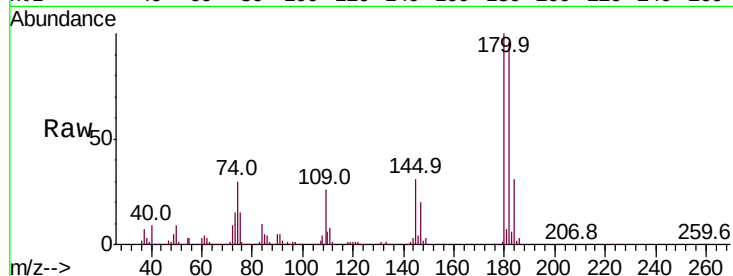
#93
1,2,4-Trichlorobenzene
Concen: 43.271 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX008349.D
Acq: 23 Mar 2019 14:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.2	47.9	143.7	
145	30.8	14.1	42.4	

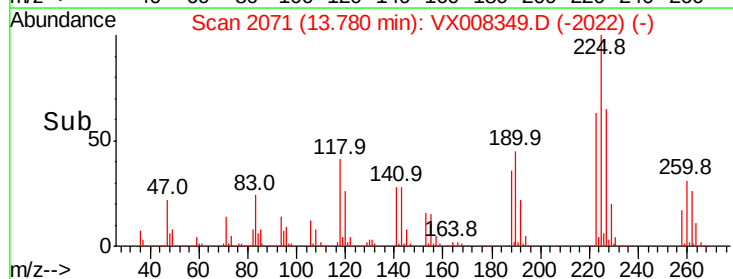
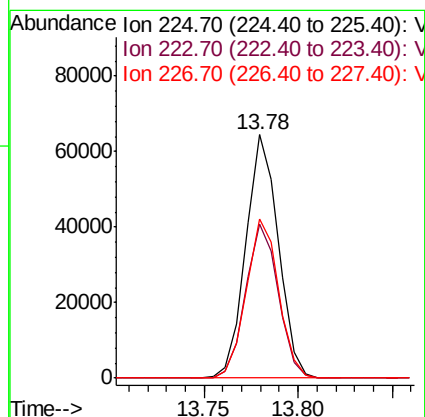
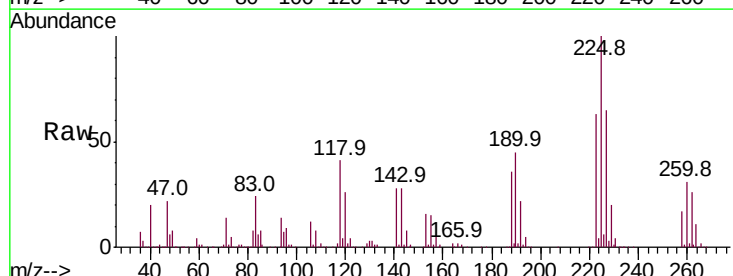
Manual Integrations
APPROVED

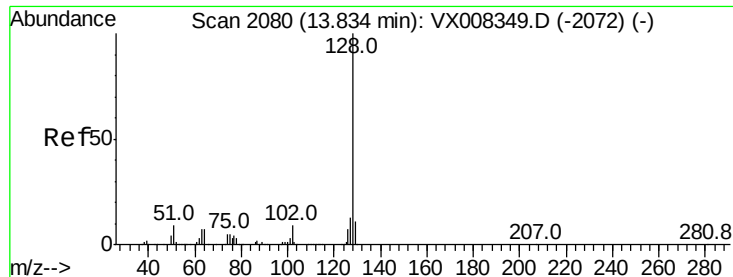
MMDadoda
3/25/2019 11:16:46 AM



#94
Hexachlorobutadiene
Concen: 42.856 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX008349.D
Acq: 23 Mar 2019 14:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.6	31.1	93.2	
227	65.4	32.0	96.0	





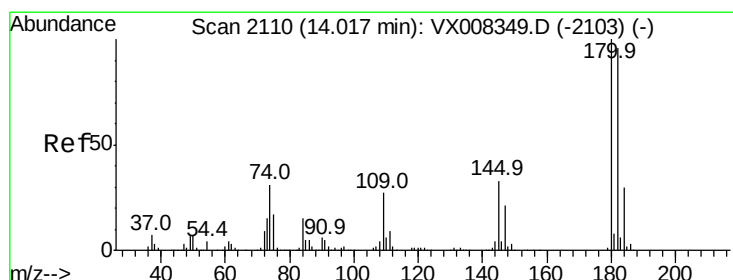
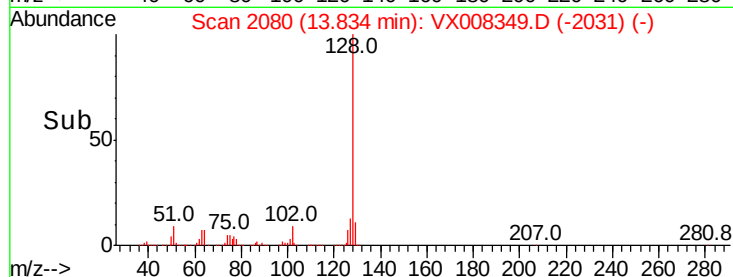
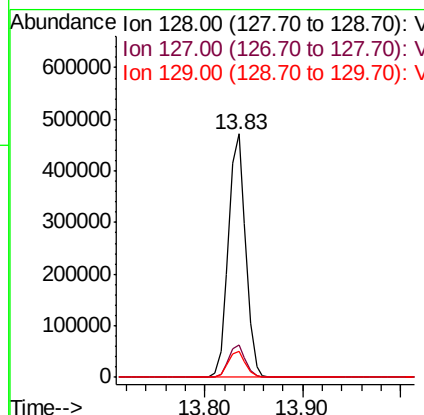
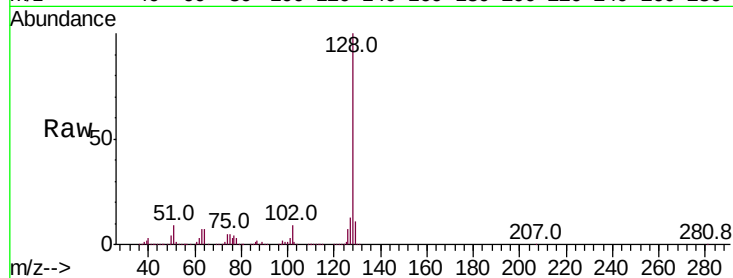
#95
Naphthalene
Concen: 49.647 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX008349.D
Acq: 23 Mar 2019 14:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/25/2019 11:16:46 AM



#96
1,2,3-Trichlorobenzene
Concen: 44.988 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX008349.D
Acq: 23 Mar 2019 14:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.5	142.5
145	32.3	14.8	44.3

