

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032419\
 Data File : VX008406.D
 Acq On : 24 Mar 2019 20:44
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 11:24:48 AM

Quant Time: Mar 25 08:14:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 15:27:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	195966	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	345362	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	311432	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	148352	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	149499	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
35) Dibromofluoromethane	5.49	113	111947	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
50) Toluene-d8	8.71	98	446895	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
62) 4-Bromofluorobenzene	11.13	95	165568	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	106770	48.129	ug/l	99
3) Chloromethane	1.32	50	137374	41.773	ug/l	99
4) Vinyl Chloride	1.40	62	151337	47.149	ug/l	99
5) Bromomethane	1.64	94	43031m	21.290	ug/l	
6) Chloroethane	1.71	64	115335	61.353	ug/l	98
7) Trichlorofluoromethane	1.92	101	173538	47.543	ug/l	97
8) Diethyl Ether	2.18	74	82859	47.409	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.38	101	100787	46.611	ug/l	89
10) Methyl Iodide	2.51	142	38634	14.083	ug/l	97
11) Tert butyl alcohol	3.06	59	173127	260.052	ug/l	100
12) 1,1-Dichloroethene	2.37	96	107990	48.383	ug/l	89
13) Acrolein	2.29	56	65734m	115.547	ug/l	
14) Allyl chloride	2.73	41	235083	47.609	ug/l	95
15) Acrylonitrile	3.14	53	412072	241.705	ug/l	99
16) Acetone	2.45	43	358980	240.287	ug/l	97
17) Carbon Disulfide	2.57	76	330303	46.280	ug/l	100
18) Methyl Acetate	2.78	43	178914	47.845	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	399093	49.645	ug/l	97
20) Methylene Chloride	2.85	84	127975	47.584	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	114018	47.177	ug/l	93
22) Diisopropyl ether	3.85	45	474819	49.388	ug/l #	85
23) Vinyl Acetate	3.81	43	2131840	251.148	ug/l	97
24) 1,1-Dichloroethane	3.70	63	239392	48.838	ug/l	98
25) 2-Butanone	4.67	43	605127	245.990	ug/l	96
26) 2,2-Dichloropropane	4.58	77	125715	39.808	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	133020	48.054	ug/l	91
28) Bromochloromethane	5.01	49	124337	50.812	ug/l #	79
29) Tetrahydrofuran	5.13	42	401308	245.690	ug/l	96
30) Chloroform	5.21	83	214473	48.531	ug/l	100
31) Cyclohexane	5.58	56	224329	47.726	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	175339	50.148	ug/l	96
36) 1,1-Dichloropropene	5.80	75	168390	47.715	ug/l	96
37) Ethyl Acetate	4.83	43	232975	48.778	ug/l	98
38) Carbon Tetrachloride	5.79	117	146832	48.537	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	199112	46.030	ug/l	93
40) Benzene	6.14	78	513795	47.806	ug/l	98
41) Methacrylonitrile	5.04	41	129669	49.808	ug/l	97
42) 1,2-Dichloroethane	6.19	62	183929	47.158	ug/l	95
43) Isopropyl Acetate	6.45	43	366962	49.340	ug/l	97
44) Trichloroethene	7.21	130	120367	48.227	ug/l	89
45) 1,2-Dichloropropane	7.51	63	146117	48.024	ug/l	100
46) Dibromomethane	7.66	93	84494	46.794	ug/l #	86
47) Bromodichloromethane	7.90	83	171712	49.857	ug/l	98
48) Methyl methacrylate	7.77	41	187146	49.866	ug/l	93
49) 1,4-Dioxane	7.74	88	76866	1015.149	ug/l	93
51) 4-Methyl-2-Pentanone	8.64	43	1223765	250.781	ug/l	97
52) Toluene	8.79	92	309486	49.108	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	184196	49.742	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	206008	49.068	ug/l	91
55) 1,1,2-Trichloroethane	9.21	97	126356	48.269	ug/l	98
56) Ethyl methacrylate	9.18	69	236432	51.018	ug/l	91
57) 1,3-Dichloropropane	9.37	76	224665	48.176	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	603131	241.377	ug/l	93
59) 2-Hexanone	9.49	43	967862	258.370	ug/l	96
60) Dibromochloromethane	9.58	129	126624	52.113	ug/l	100
61) 1,2-Dibromoethane	9.67	107	129678	48.812	ug/l	100
64) Tetrachloroethene	9.33	164	95758	47.019	ug/l	93
65) Chlorobenzene	10.14	112	315797	48.350	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	111161	49.077	ug/l	98
67) Ethyl Benzene	10.25	91	595633	48.703	ug/l	97
68) m/p-Xylenes	10.36	106	432792	98.492	ug/l	93
69) o-Xylene	10.70	106	212501	49.456	ug/l	94
70) Styrene	10.71	104	373670	50.145	ug/l	96
71) Bromoform	10.85	173	92806	53.189	ug/l #	99
73) Isopropylbenzene	11.02	105	554745	47.383	ug/l	98
74) N-amyl acetate	10.90	43	352118	51.370	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	223402	47.905	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	182262m	46.937	ug/l	
77) Bromobenzene	11.26	156	132879	47.967	ug/l	81
78) n-propylbenzene	11.36	91	662837	48.305	ug/l	95
79) 2-Chlorotoluene	11.42	91	395512	47.318	ug/l	94
80) 1,3,5-Trimethylbenzene	11.51	105	477851	47.979	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	66026	48.455	ug/l	92
82) 4-Chlorotoluene	11.51	91	458017	47.555	ug/l	94
83) tert-Butylbenzene	11.77	119	466258	49.163	ug/l	95
84) 1,2,4-Trimethylbenzene	11.80	105	480657	48.361	ug/l	97
85) sec-Butylbenzene	11.94	105	545906	48.027	ug/l	96
86) p-Isopropyltoluene	12.06	119	489777	48.886	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	238647	47.966	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	240612	47.529	ug/l	97
89) n-Butylbenzene	12.38	91	456690	47.748	ug/l	97
90) Hexachloroethane	12.60	117	83290	50.328	ug/l	81
91) 1,2-Dichlorobenzene	12.39	146	244866	48.594	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	50143	50.450	ug/l	77

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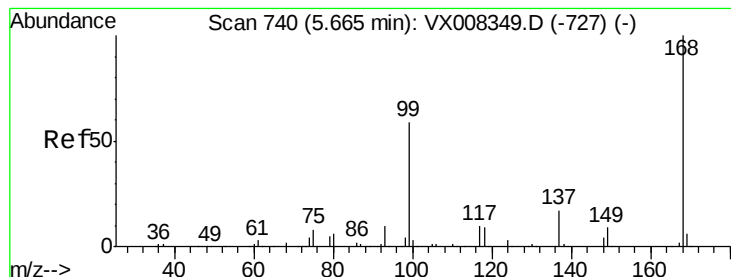
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	162047	47.689	ug/l	98
94) Hexachlorobutadiene	13.78	225	76766	47.804	ug/l	99
95) Naphthalene	13.83	128	579178	48.538	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	162689	47.448	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX008406.D

Acq: 24 Mar 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 195966

Ion Ratio Lower Upper

168 100

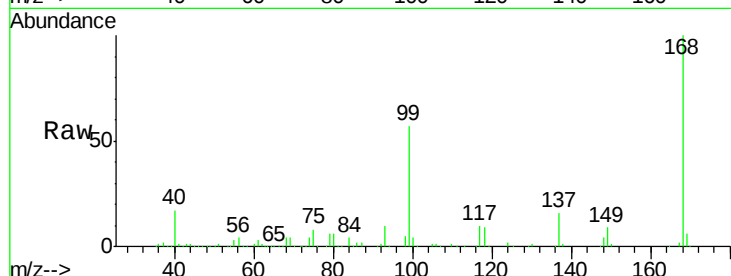
99 56.8 37.6 56.4#

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

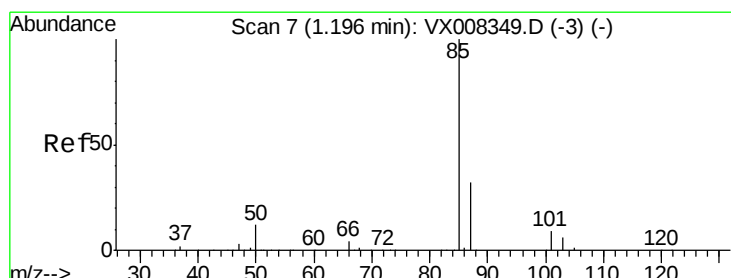
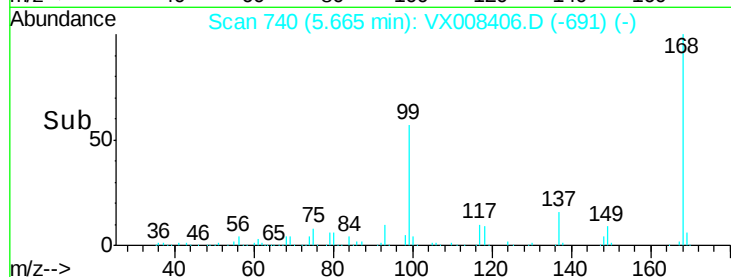
40000

20000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#2

Dichlorodifluoromethane

Concen: 48.129 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008406.D

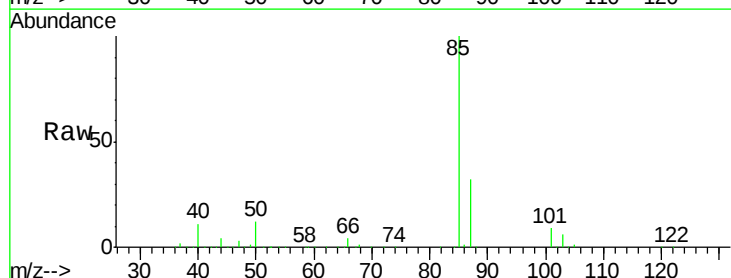
Acq: 24 Mar 2019 20:44

Tgt Ion: 85 Resp: 106770

Ion Ratio Lower Upper

85 100

87 32.0 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

120000

100000

80000

60000

40000

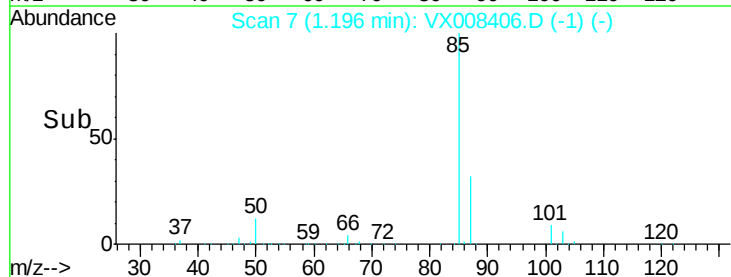
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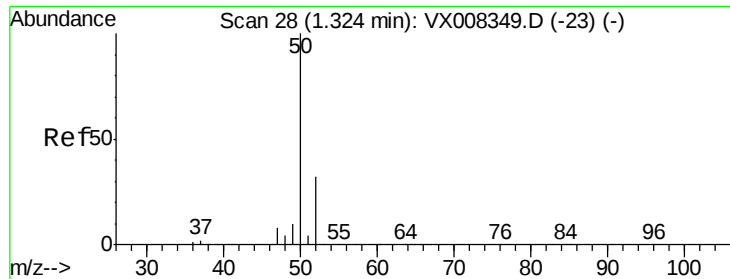
0

1.20

1.30

Time-->





#3

Chloromethane

Concen: 41.773 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX008406.D

Acq: 24 Mar 2019 20:44

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 50 Resp: 137374

Ion Ratio Lower Upper

50 100

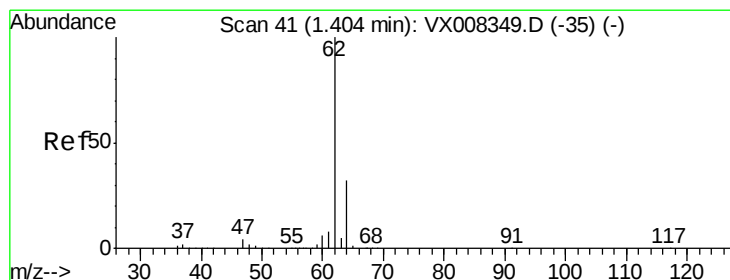
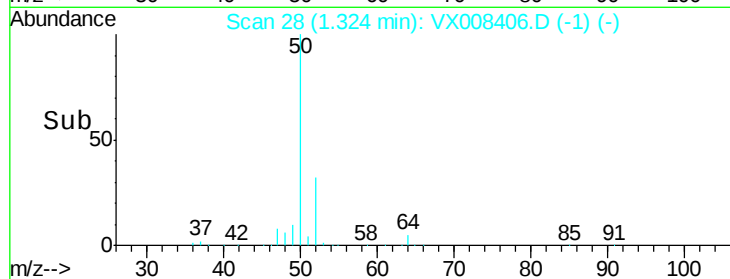
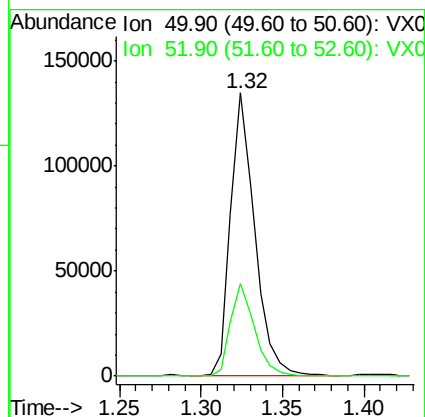
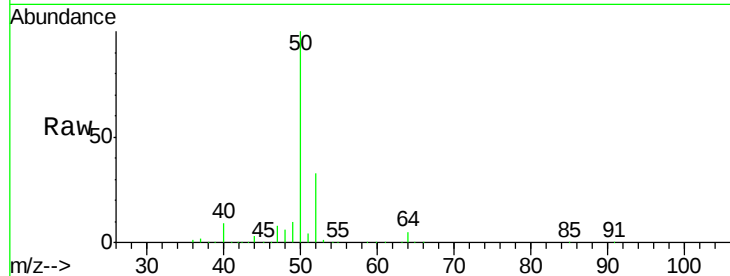
52 32.6 26.5 39.7

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#4

Vinyl Chloride

Concen: 47.149 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX008406.D

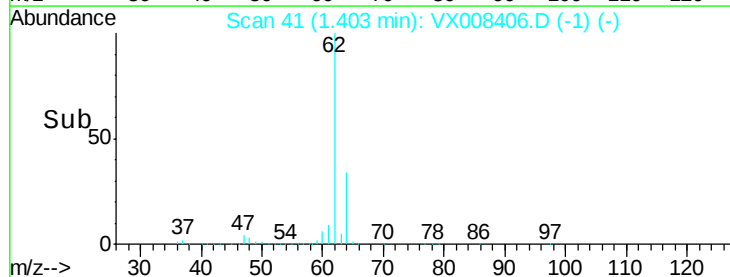
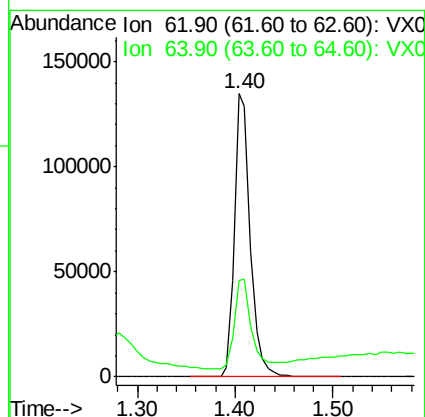
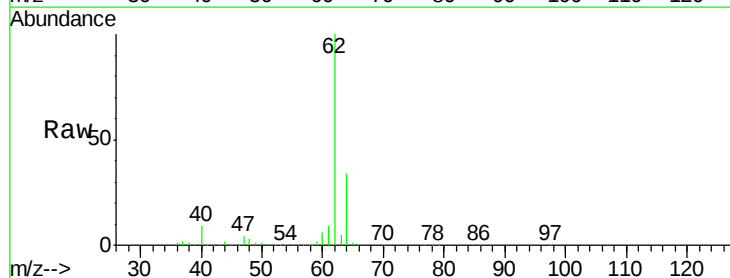
Acq: 24 Mar 2019 20:44

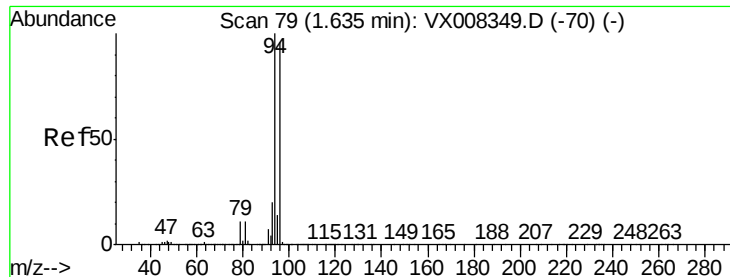
Tgt Ion: 62 Resp: 151337

Ion Ratio Lower Upper

62 100

64 30.8 25.3 37.9





#5

Bromomethane

Concen: 21.290 ug/l m

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX008406.D

Acq: 24 Mar 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 43031

Ion Ratio Lower Upper

94 100

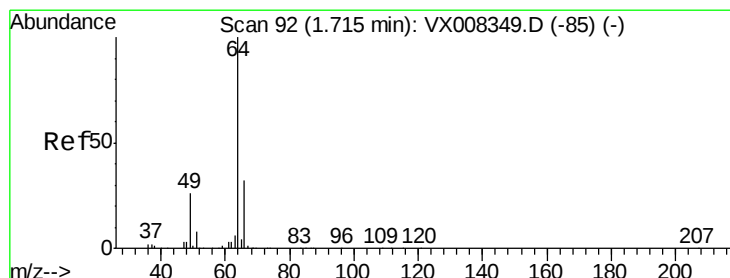
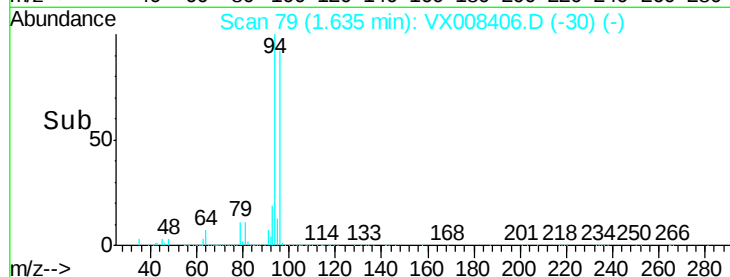
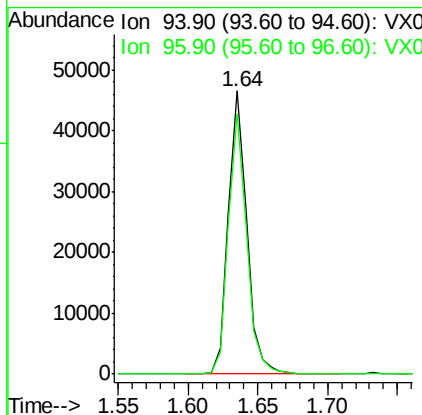
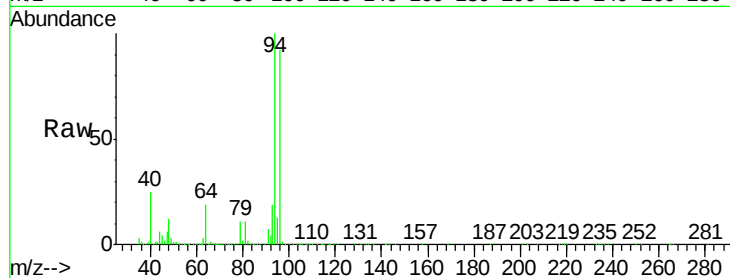
96 92.0 75.5 113.3

Manual Integrations

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#6

Chloroethane

Concen: 61.353 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX008406.D

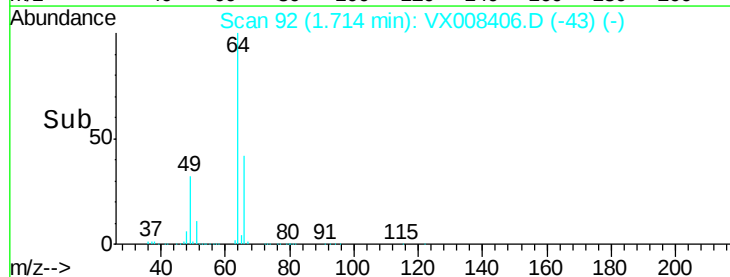
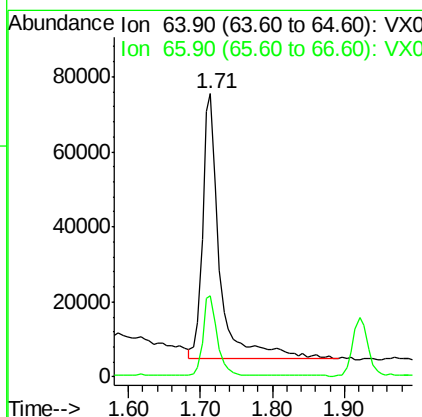
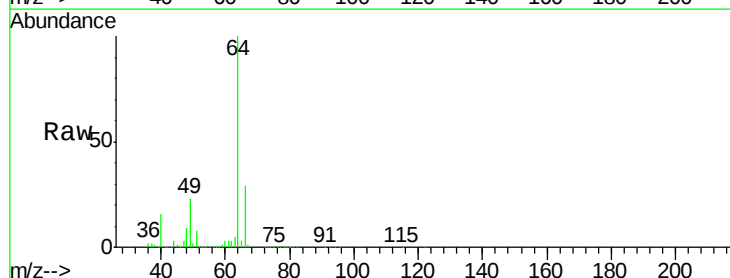
Acq: 24 Mar 2019 20:44

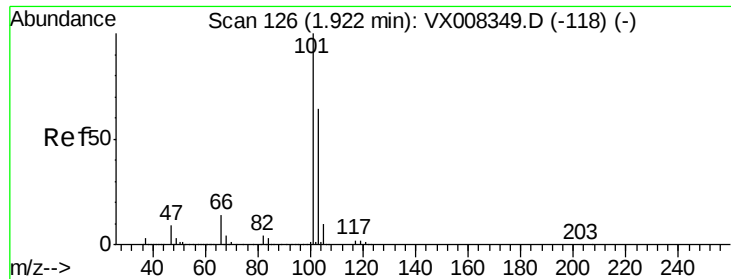
Tgt Ion: 64 Resp: 115335

Ion Ratio Lower Upper

64 100

66 30.4 25.2 37.8





#7

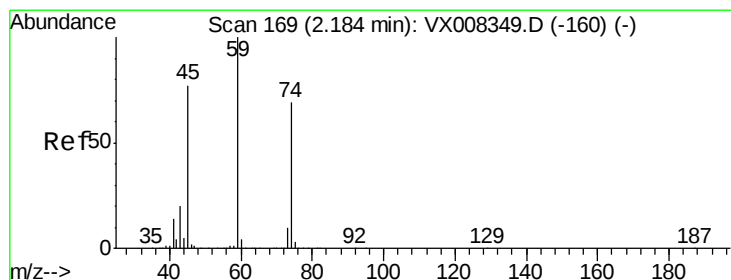
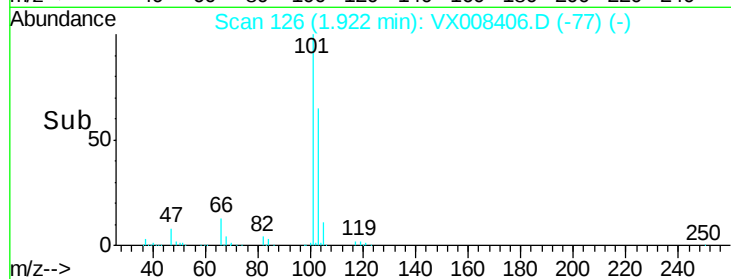
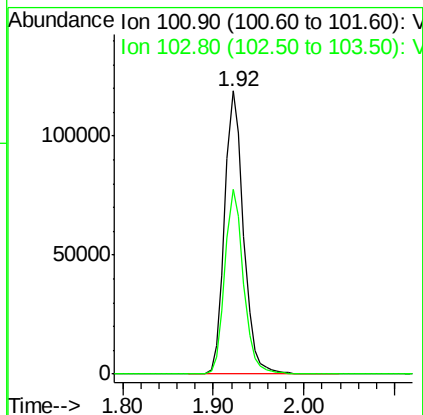
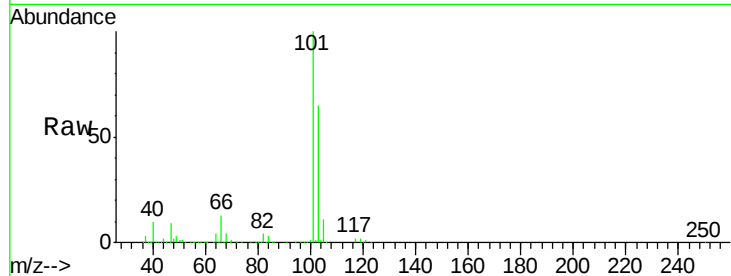
Trichlorofluoromethane
Concen: 47.543 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX008406.D
Acq: 24 Mar 2019 20:44

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	173538		
103	65.1	50.4	75.6	

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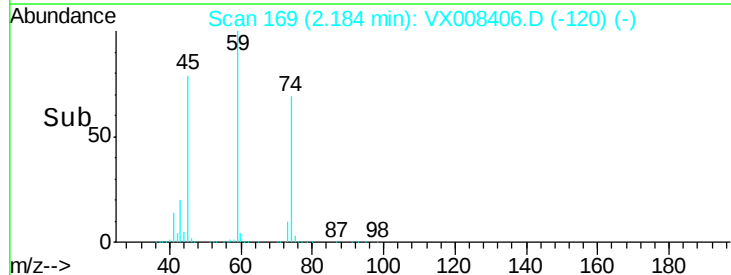
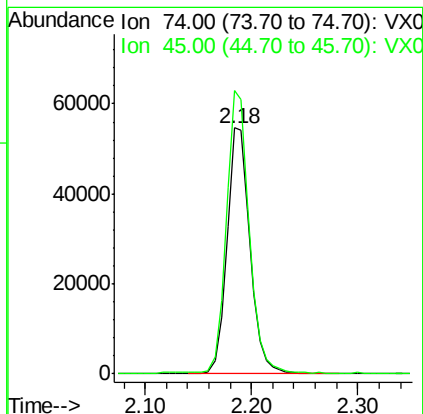
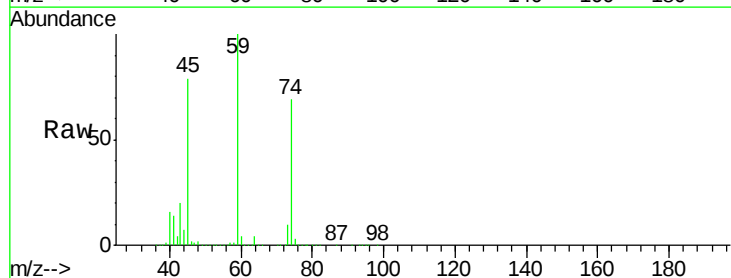
MMDadoda
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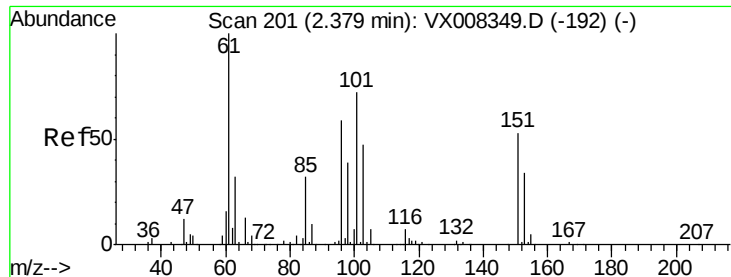


#8

Diethyl Ether
Concen: 47.409 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX008406.D
Acq: 24 Mar 2019 20:44

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	82859		
45	112.5	52.1	156.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.611 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX008406.D

Acq: 24 Mar 2019 20:44

Instrument :

MSVOA_X

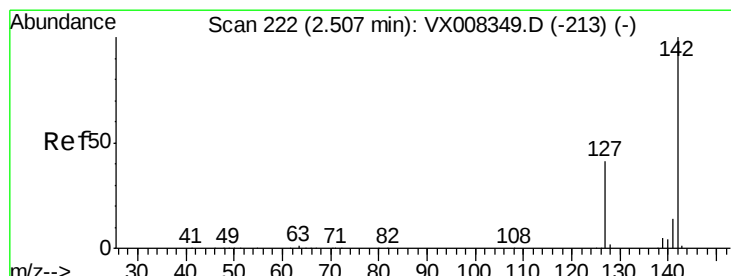
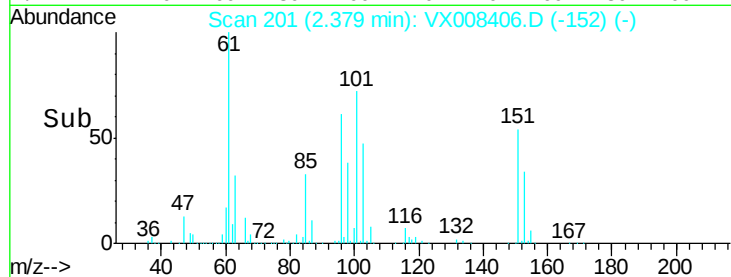
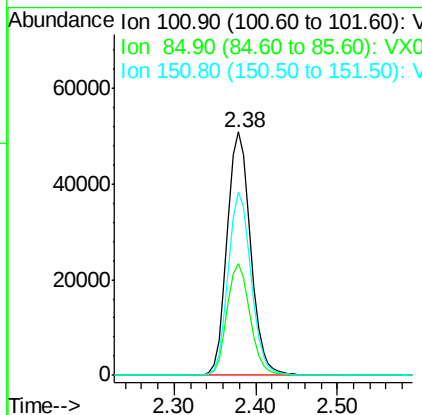
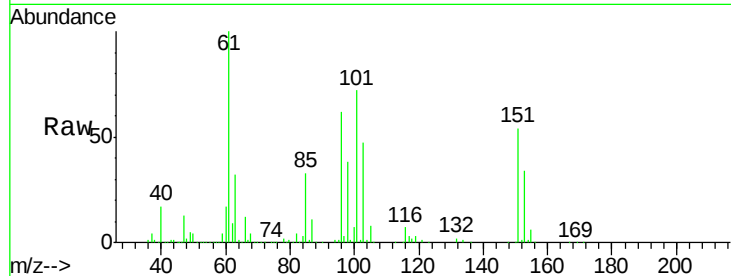
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	100787
Ion Ratio	Lower	Upper	
101	100		
85	45.2	33.8	50.6
151	73.7	69.1	103.7

Manual Integrations
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MMDadoda
3/25/2019 11:24:48 AM



#10

Methyl Iodide

Concen: 14.083 ug/l

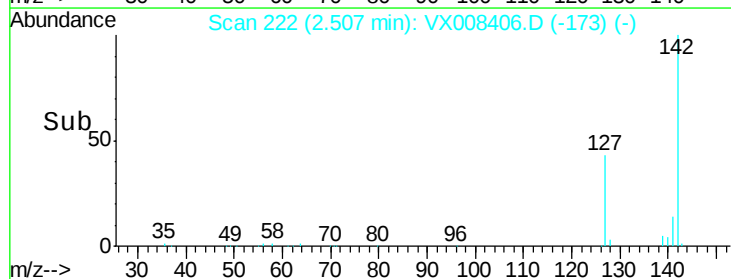
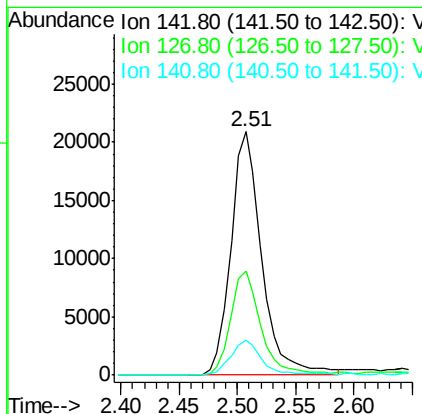
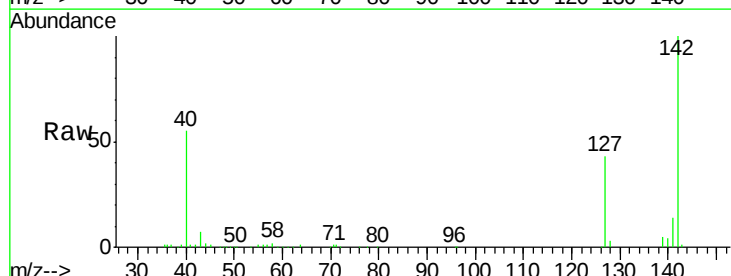
RT: 2.51 min Scan# 222

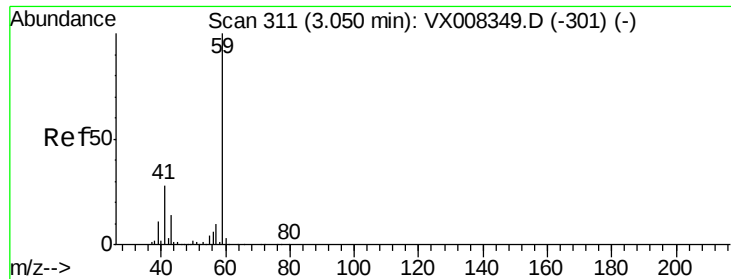
Delta R.T. -0.00 min

Lab File: VX008406.D

Acq: 24 Mar 2019 20:44

Tgt Ion:	142	Resp:	38634
Ion Ratio	Lower	Upper	
142	100		
127	42.7	32.1	48.1
141	14.3	11.4	17.2





#11

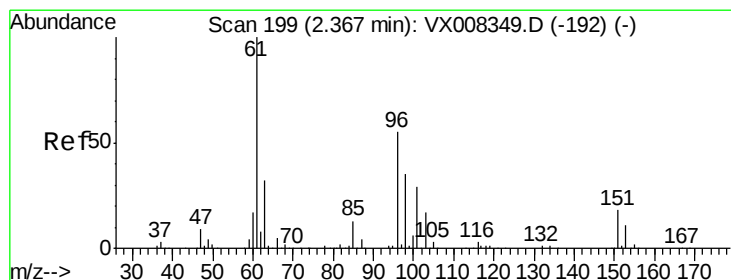
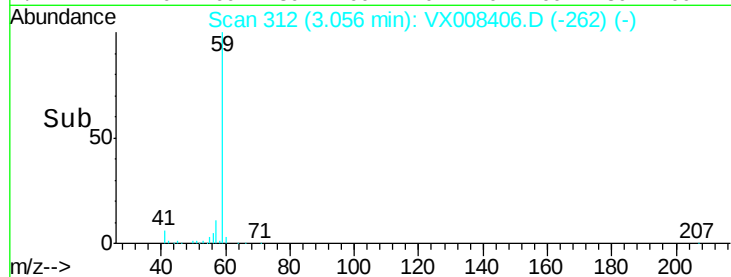
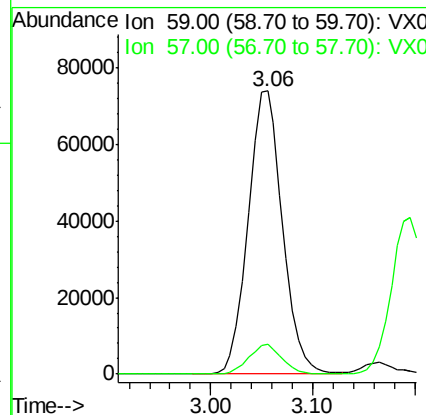
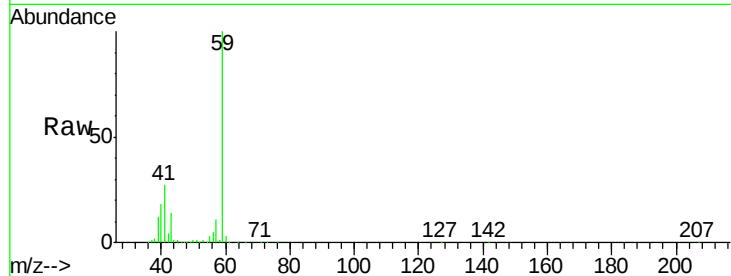
Tert butyl alcohol
Concen: 260.052 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX008406.D
Acq: 24 Mar 2019 20:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	57	Ratio	100	10.4	Resp	173127	Lower	Upper
59	100								
57		10.4						8.2	12.2

Manual Integrations
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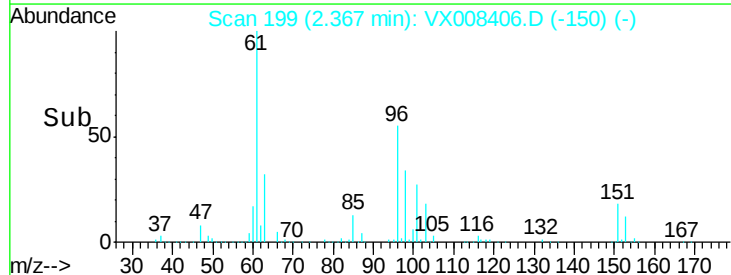
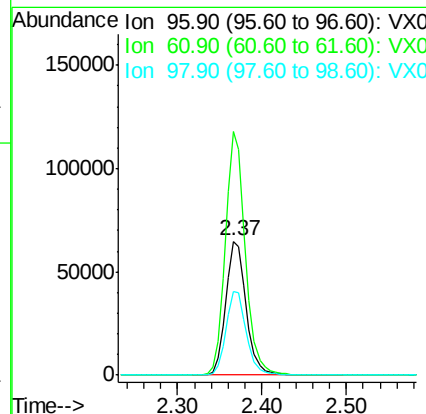
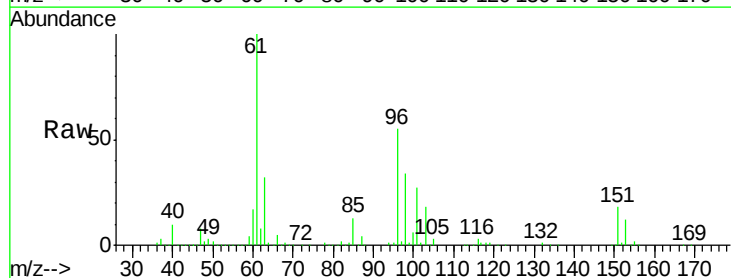
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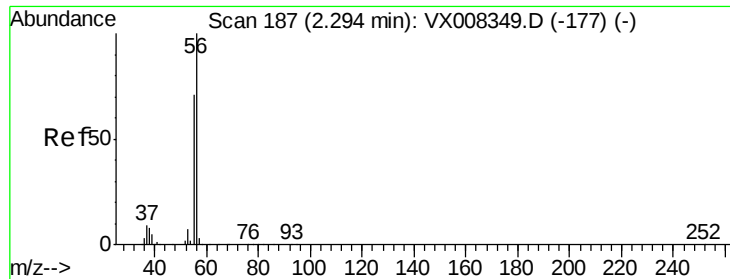


#12

1,1-Dichloroethene
Concen: 48.383 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.00 min
Lab File: VX008406.D
Acq: 24 Mar 2019 20:44

Tgt Ion	96	61	98	Ratio	100	181.6	62.4	Resp	107990	Lower	Upper
96	100										
61		181.6								129.8	194.6
98		62.4								51.0	76.6





#13

Acrolein

Concen: 115.547 ug/l m

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008406.D

Acq: 24 Mar 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 65734

Ion Ratio Lower Upper

56 100

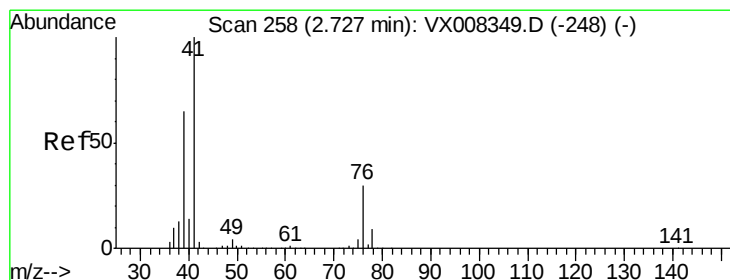
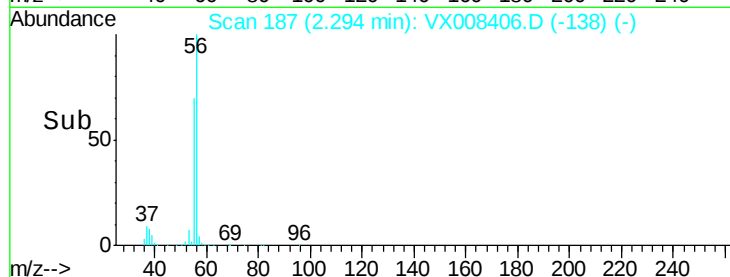
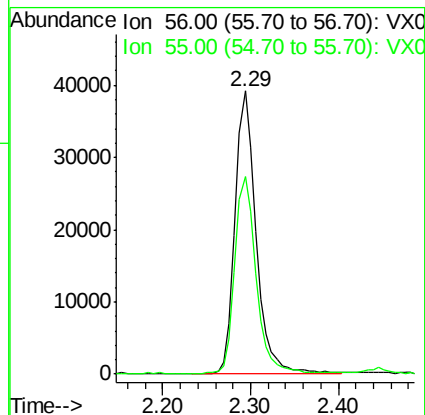
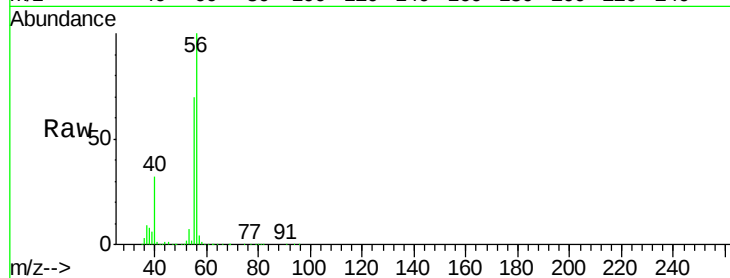
55 69.9 57.8 86.6

Manual Integrations

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#14

Allyl chloride

Concen: 47.609 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX008406.D

Acq: 24 Mar 2019 20:44

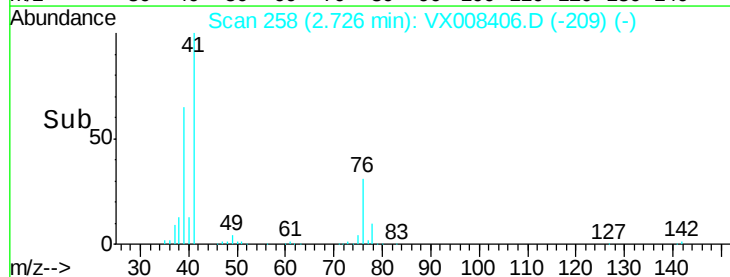
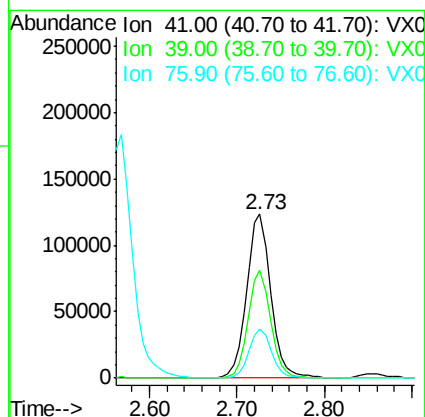
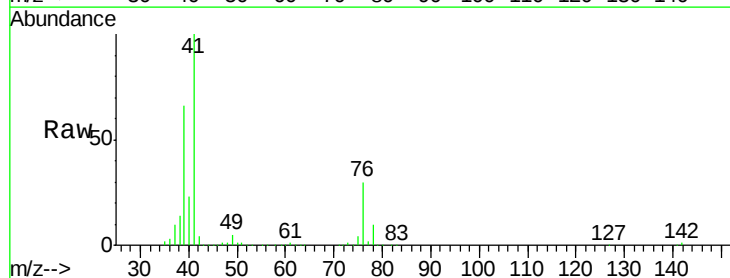
Tgt Ion: 41 Resp: 235083

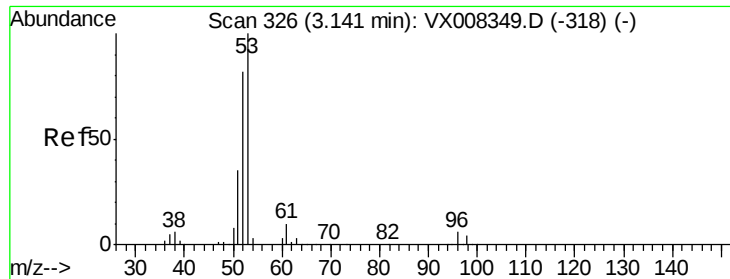
Ion Ratio Lower Upper

41 100

39 61.7 46.1 69.1

76 28.1 24.0 36.0





#15

Acrylonitrile

Concen: 241.705 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX008406.D

Acq: 24 Mar 2019 20:44

Instrument :

MSVOA_X

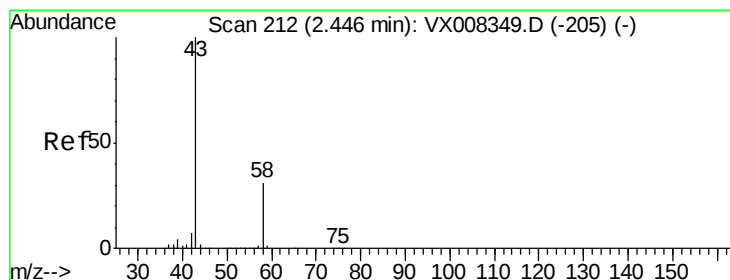
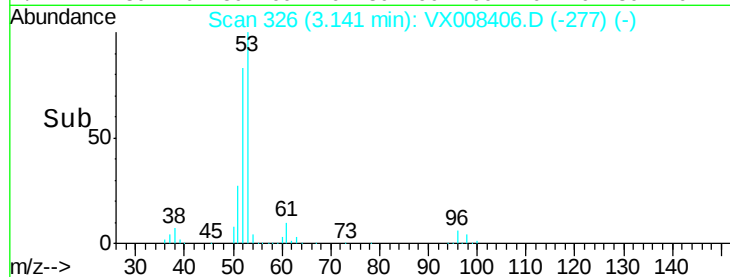
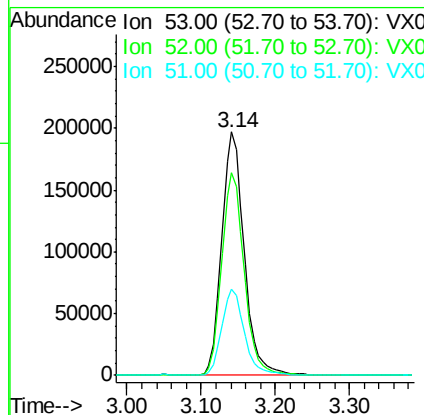
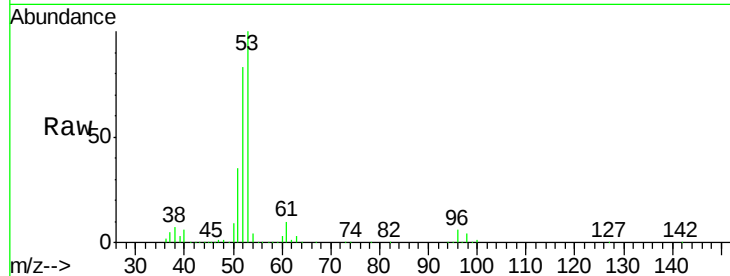
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	412072
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.0	99.0
51	35.7	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 240.287 ug/l

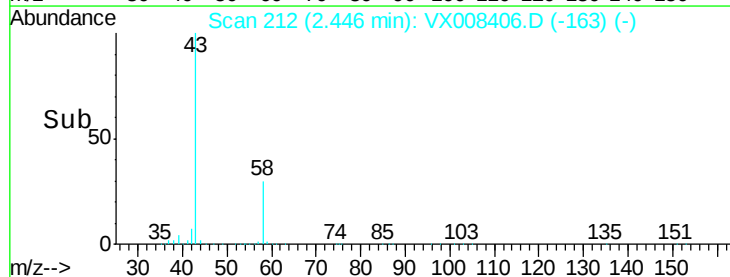
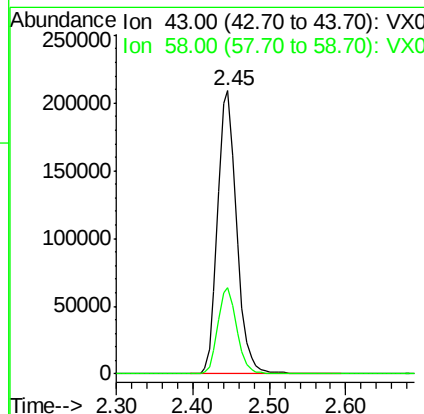
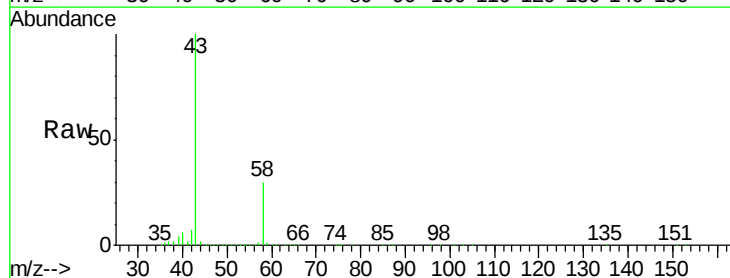
RT: 2.45 min Scan# 212

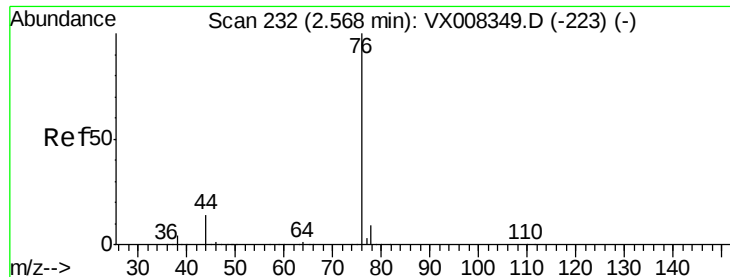
Delta R.T. -0.00 min

Lab File: VX008406.D

Acq: 24 Mar 2019 20:44

Tgt Ion:	43	Resp:	358980
Ion	Ratio	Lower	Upper
43	100		
58	30.2	25.5	38.3





#17

Carbon Disulfide

Concen: 46.280 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX008406.D

Acq: 24 Mar 2019 20:44

Tot Ion: 76 Resp: 330303

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8

Instrument :

MSVOA_X

ClientSampleId :

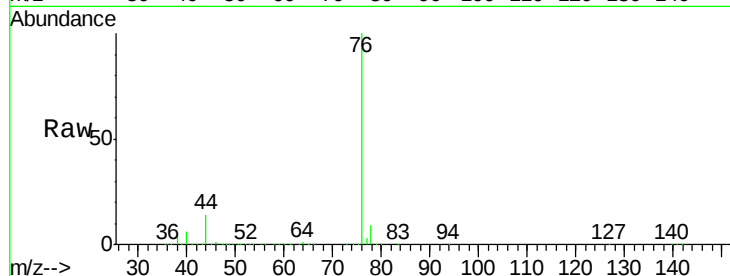
VSTDCCC050EC

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

200000

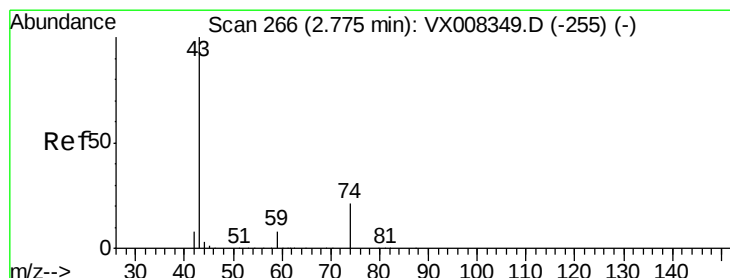
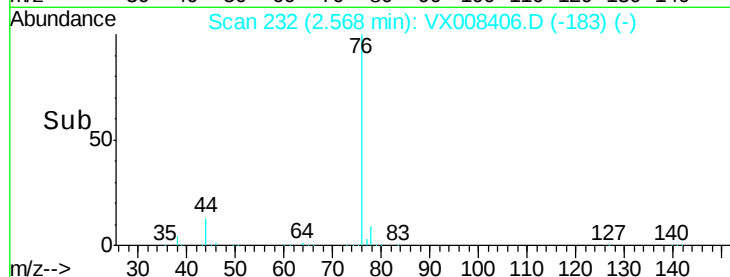
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 47.845 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX008406.D

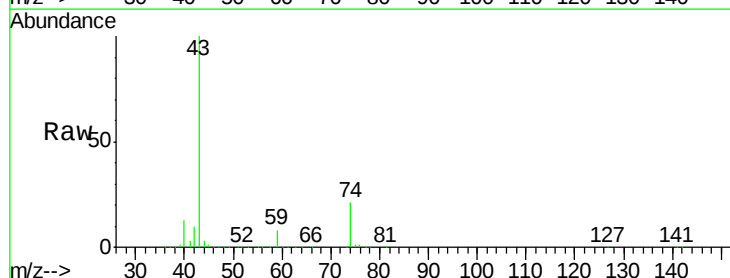
Acq: 24 Mar 2019 20:44

Tgt Ion: 43 Resp: 178914

Ion Ratio Lower Upper

43 100

74 20.7 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

100000

80000

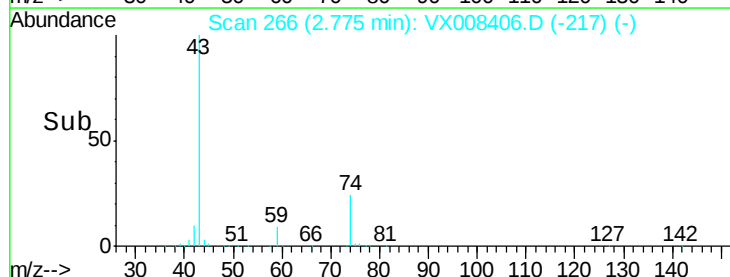
60000

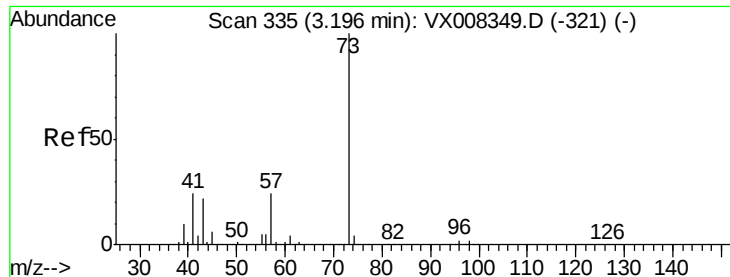
40000

20000

0

Time-->





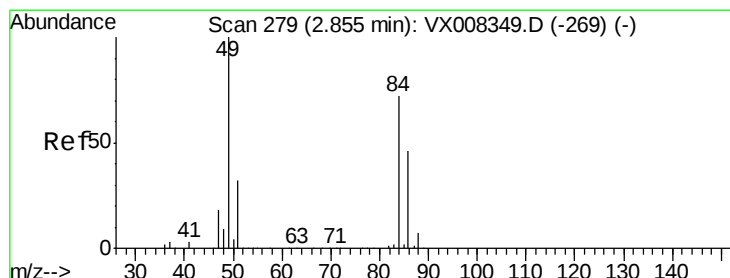
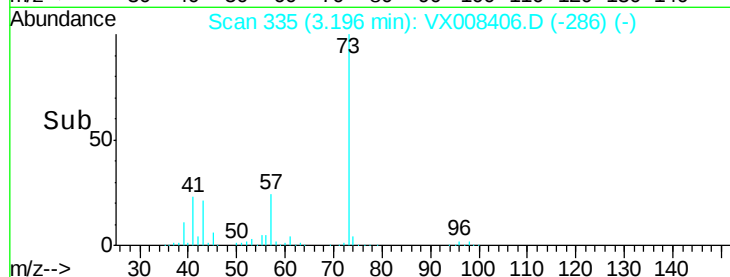
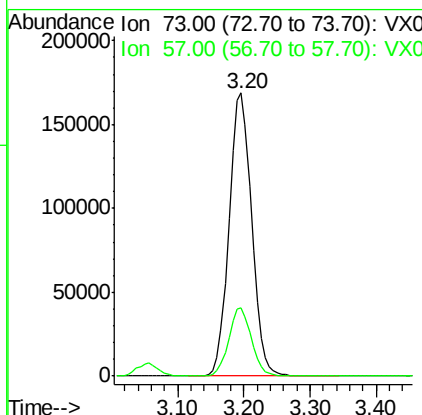
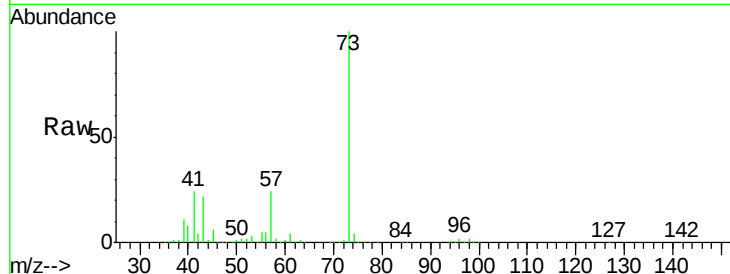
#19
Methvl tert-butvl Ether
Concen: 49.645 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX008406.D
Acq: 24 Mar 2019 20:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 399093
Ion Ratio Lower Upper
73 100
57 24.2 18.2 27.4

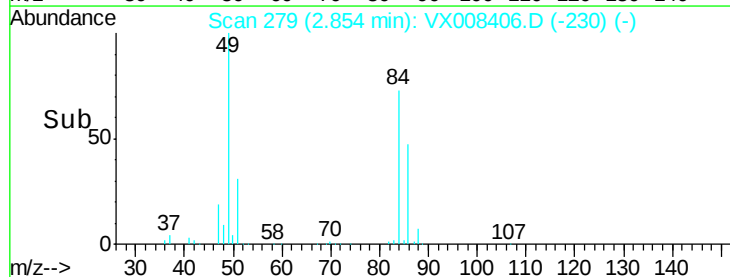
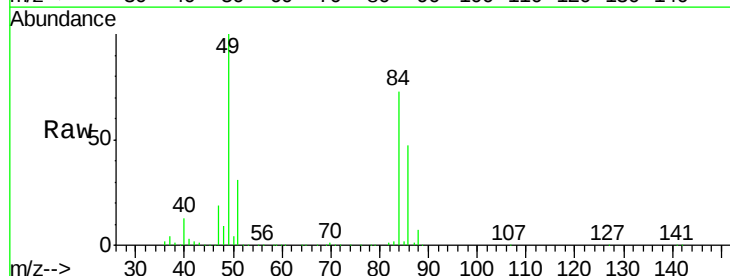
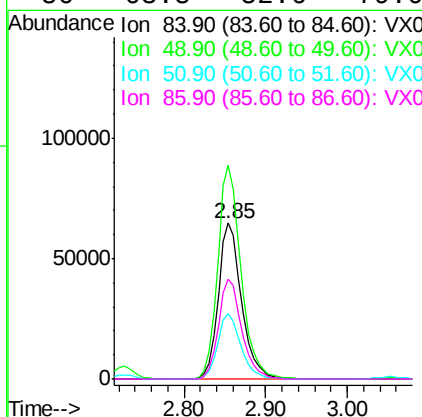
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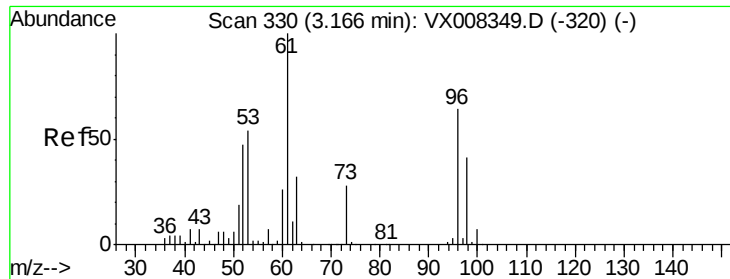
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#20
Methylene Chloride
Concen: 47.584 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX008406.D
Acq: 24 Mar 2019 20:44

Tgt Ion: 84 Resp: 127975
Ion Ratio Lower Upper
84 100
49 136.6 99.3 148.9
51 41.8 31.3 46.9
86 63.8 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 47.177 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX008406.D

Acq: 24 Mar 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 114018

Ion Ratio Lower Upper

96 100

61 154.9 114.4 171.6

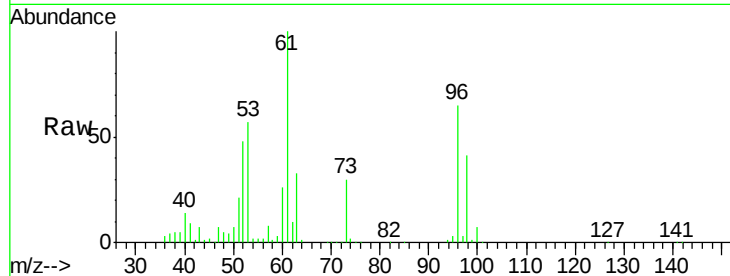
98 64.1 51.1 76.7

Manual Integrations

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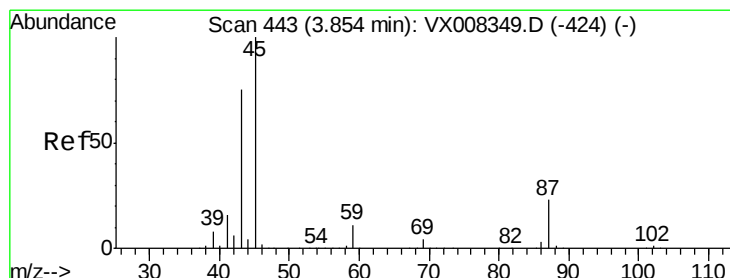
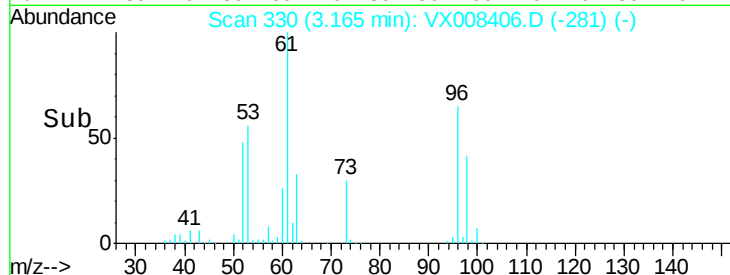
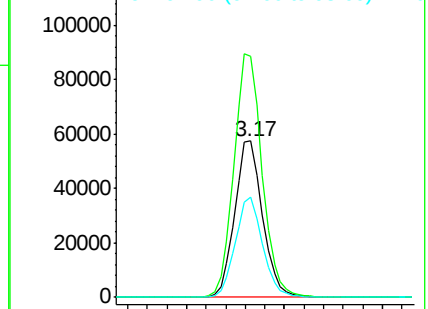


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 49.388 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX008406.D

Acq: 24 Mar 2019 20:44

Tgt Ion: 45 Resp: 474819

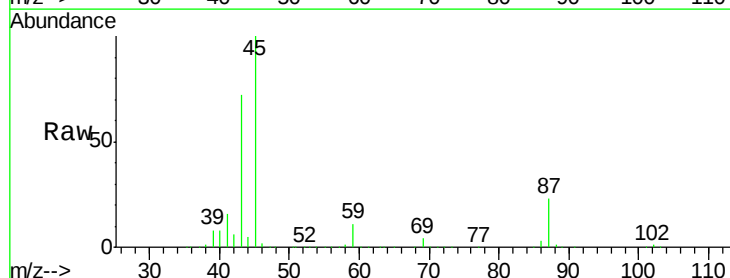
Ion Ratio Lower Upper

45 100

43 72.1 45.3 67.9#

87 22.8 21.4 32.0

59 10.7 9.5 14.3



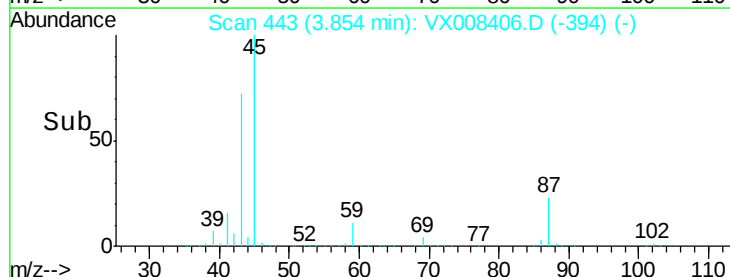
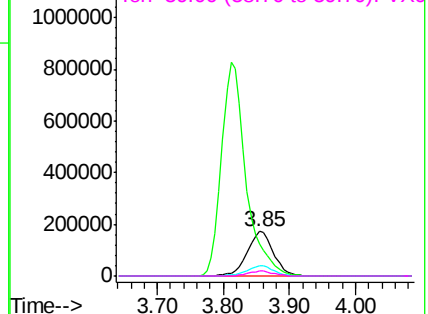
Abundance

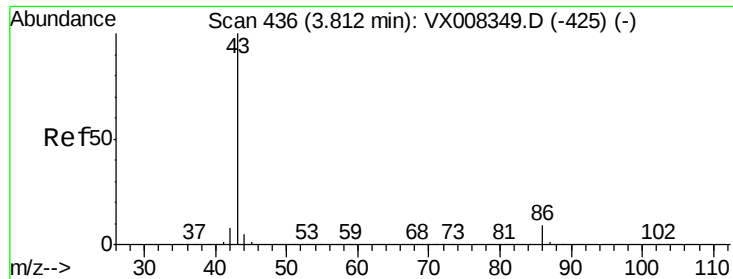
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 251.148 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX008406.D

Acq: 24 Mar 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2131840

Ion Ratio Lower Upper

43 100

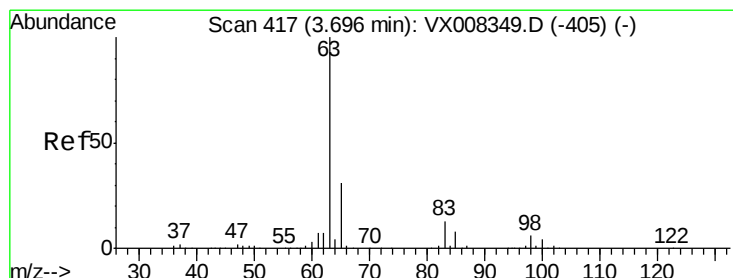
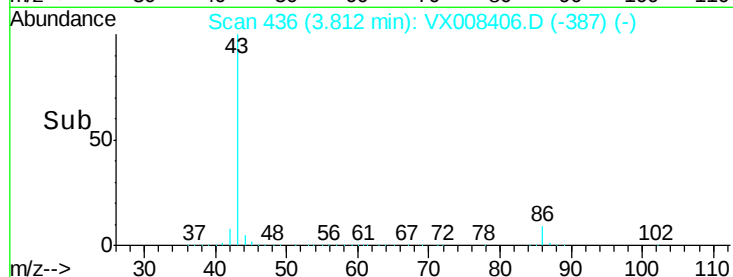
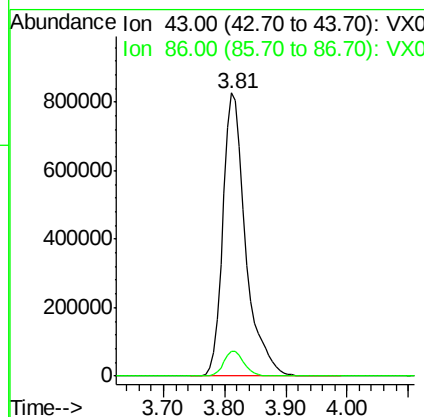
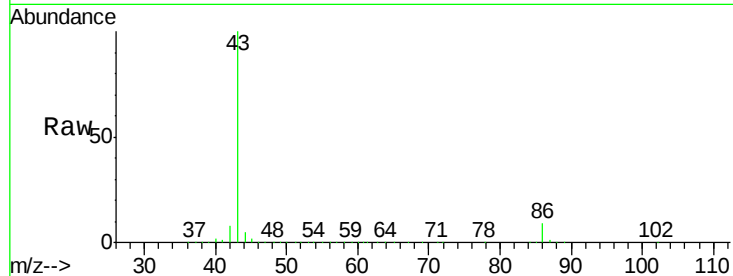
86 8.7 7.9 11.9

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#24

1,1-Dichloroethane

Concen: 48.838 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008406.D

Acq: 24 Mar 2019 20:44

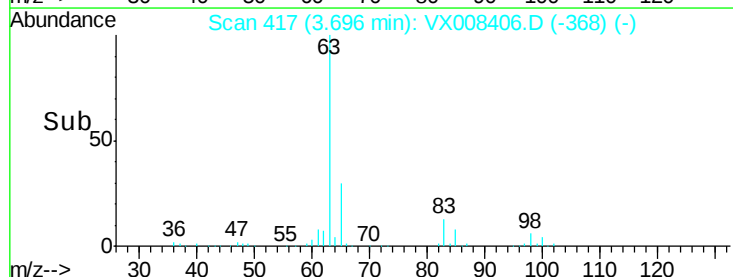
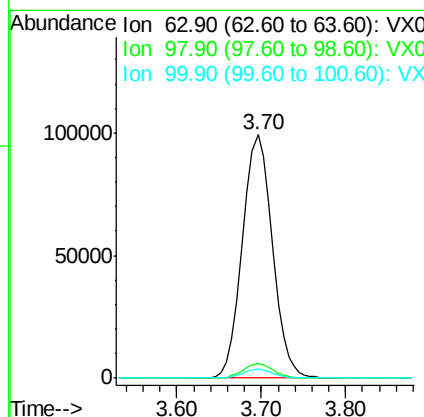
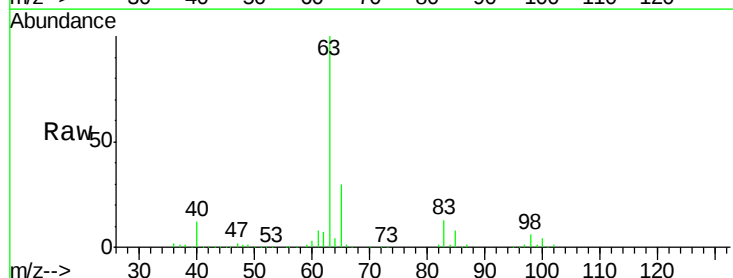
Tgt Ion: 63 Resp: 239392

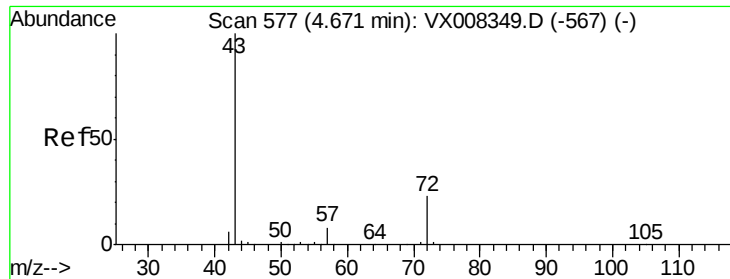
Ion Ratio Lower Upper

63 100

98 5.8 3.3 9.8

100 3.6 2.3 6.8





#25

2-Butanone

Concen: 245.990 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX008406.D

Acq: 24 Mar 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 605127

Ion Ratio Lower Upper

43 100

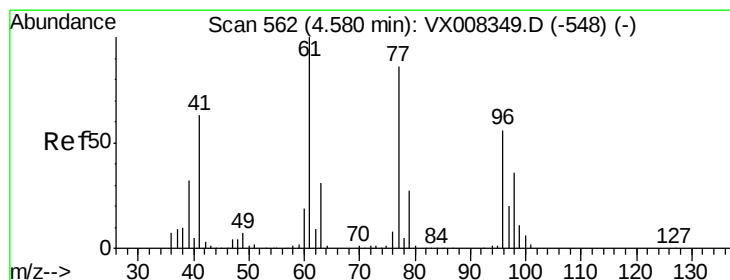
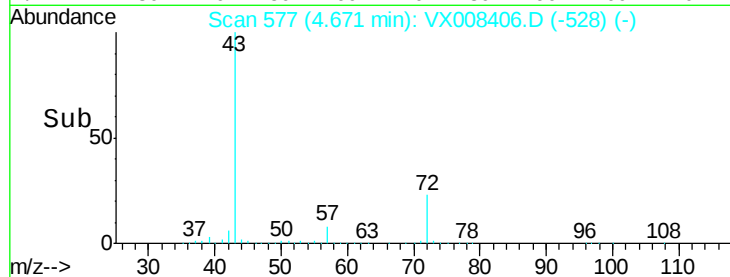
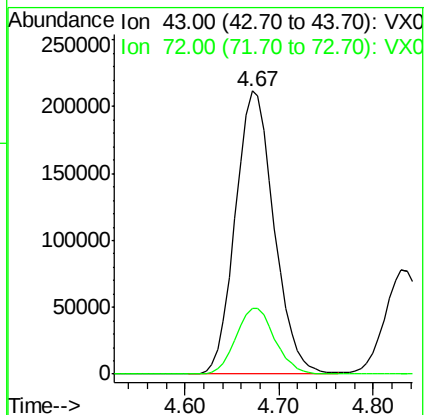
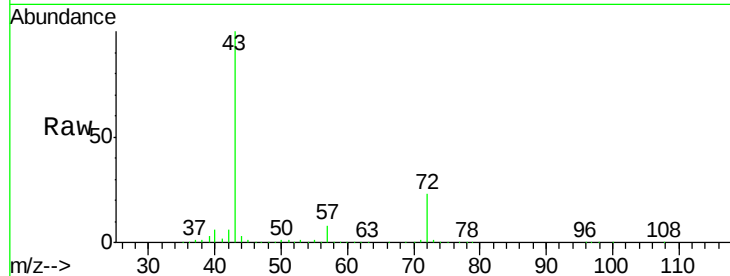
72 23.0 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 39.808 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX008406.D

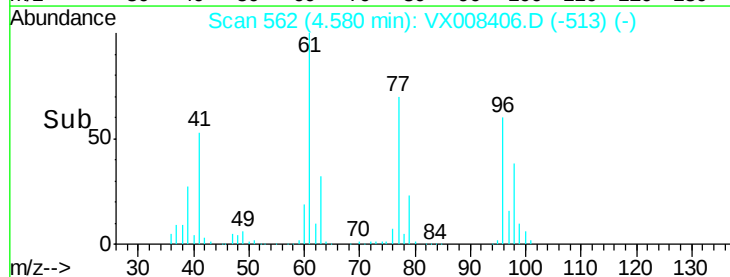
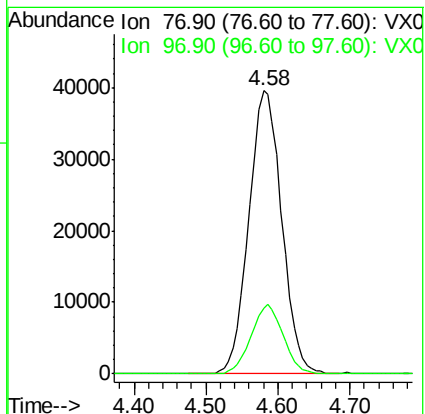
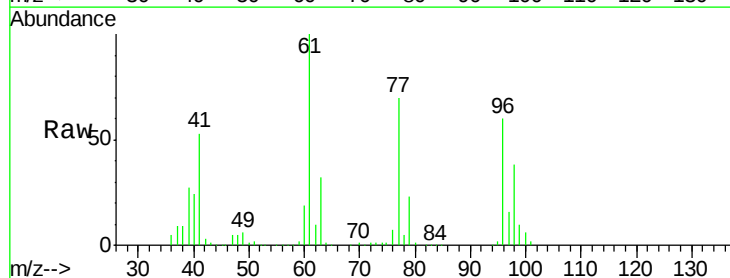
Acq: 24 Mar 2019 20:44

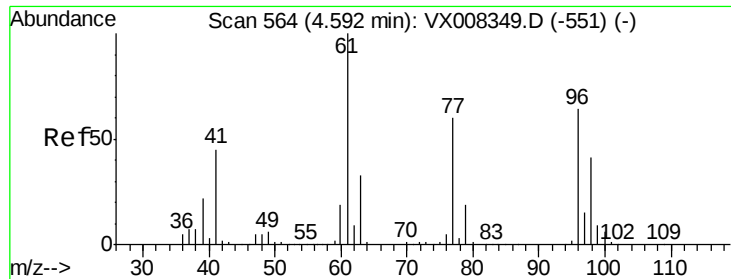
Tgt Ion: 77 Resp: 125715

Ion Ratio Lower Upper

77 100

97 24.0 12.2 36.6





#27

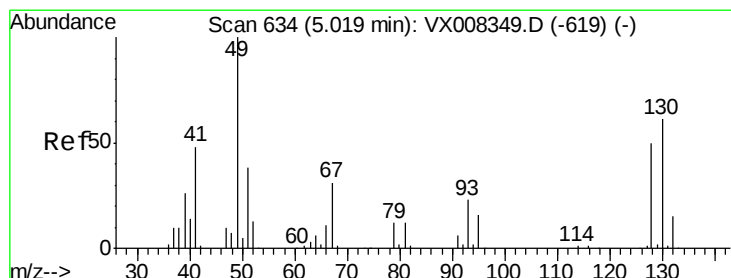
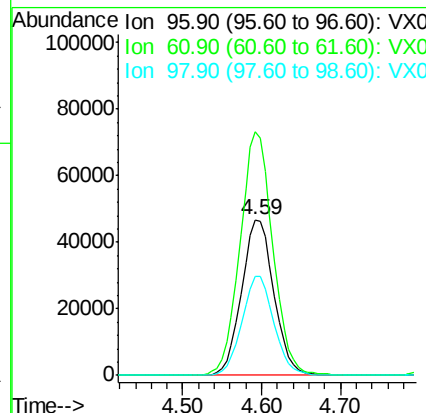
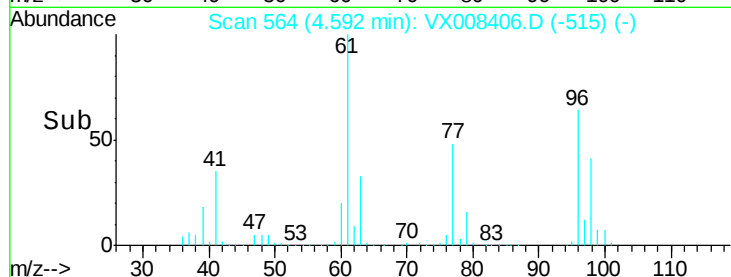
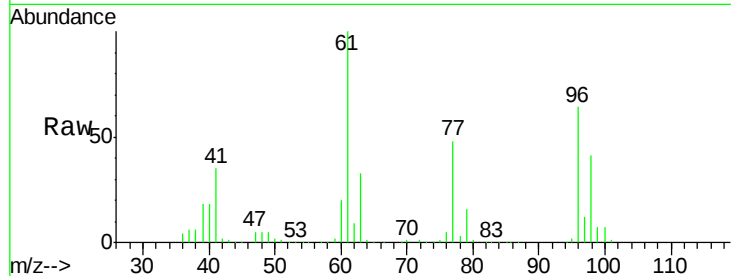
cis-1,2-Dichloroethene
Concen: 48.054 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX008406.D
Acq: 24 Mar 2019 20:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.0	0.0	288.0
98	62.9	0.0	129.0

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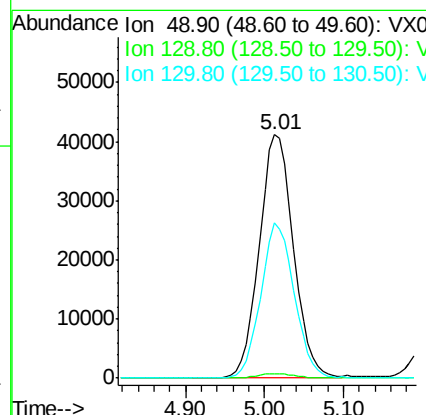
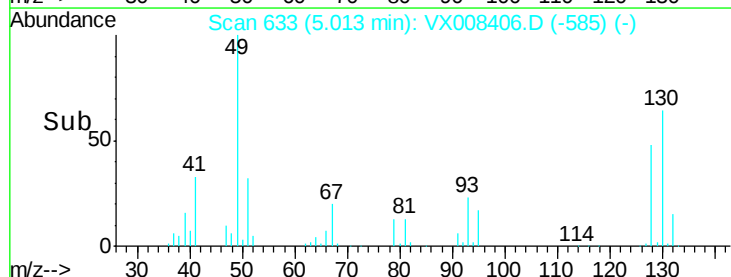
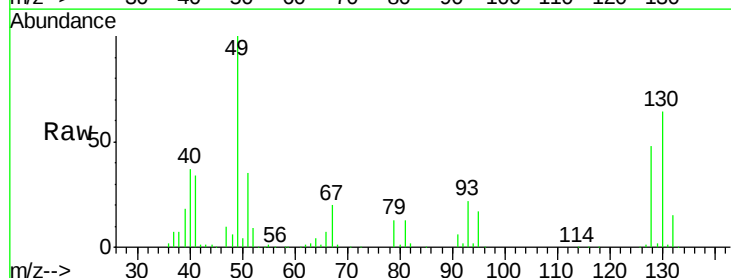
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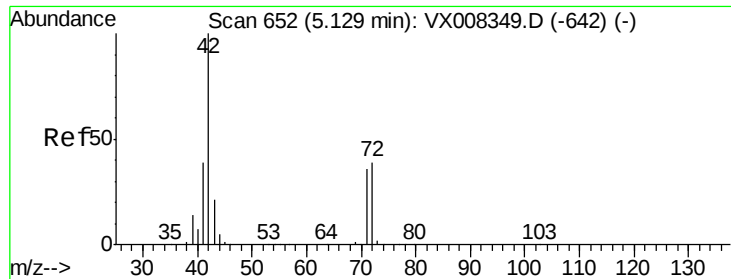


#28

Bromochloromethane
Concen: 50.812 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX008406.D
Acq: 24 Mar 2019 20:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.0
130	62.5	65.0	97.4#





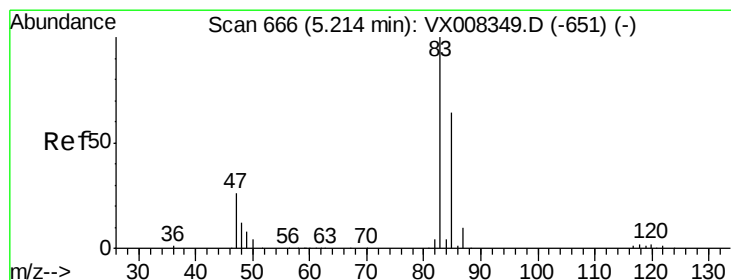
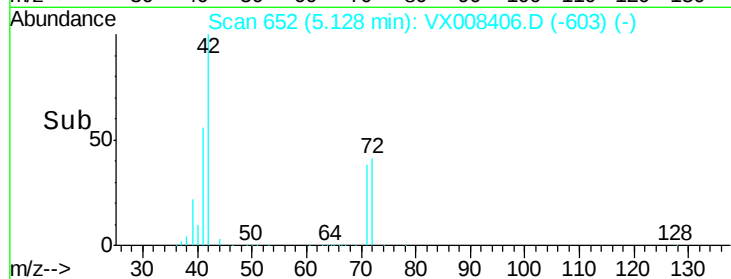
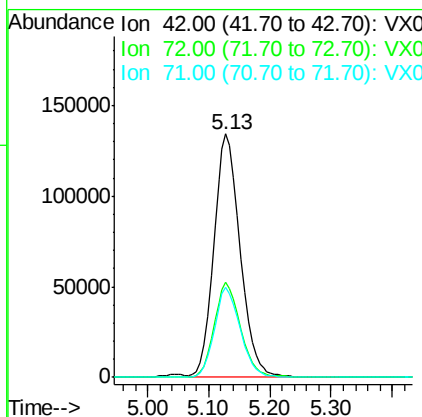
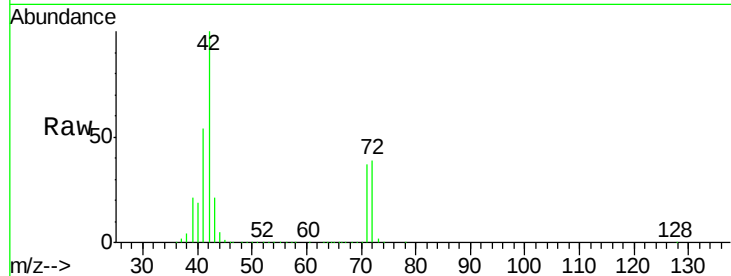
#29
Tetrahydrofuran
Concen: 245.690 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX008406.D
Acq: 24 Mar 2019 20:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.4	33.8	50.6
71	36.7	31.5	47.3

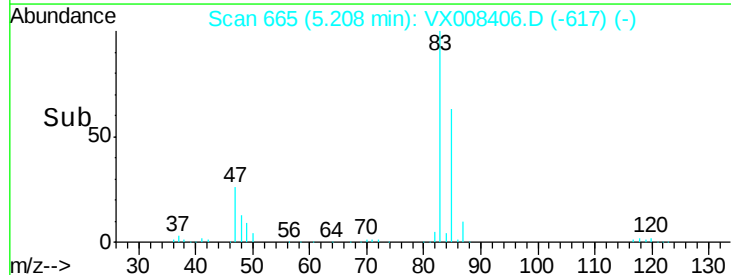
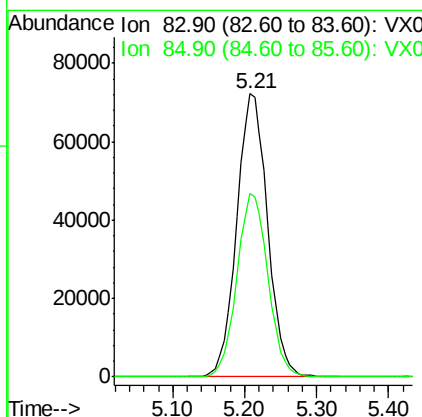
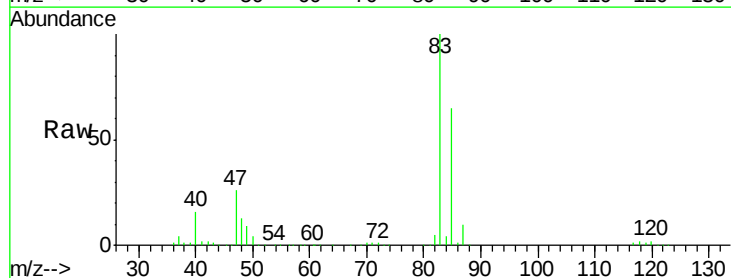
Manual Integrations
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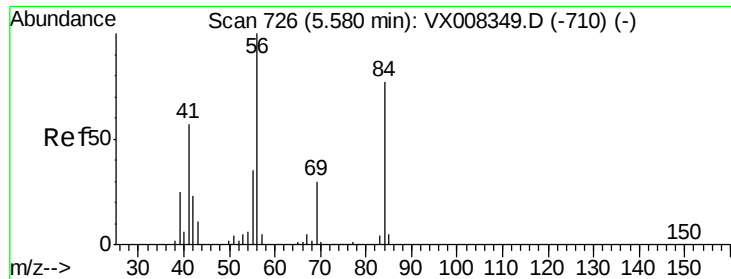
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#30
Chloroform
Concen: 48.531 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX008406.D
Acq: 24 Mar 2019 20:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6





#31

Cyclohexane

Concen: 47.726 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX008406.D

Acq: 24 Mar 2019 20:44

Instrument :

MSVOA_X

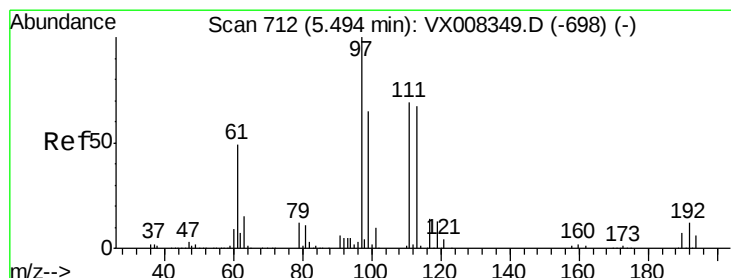
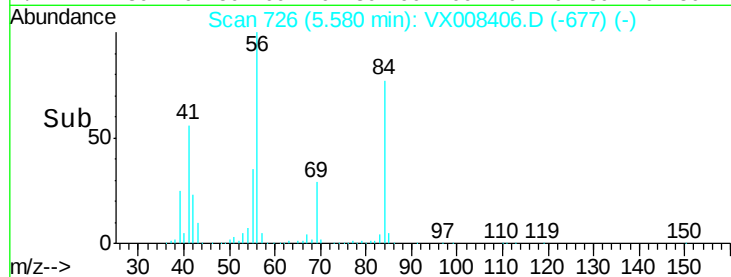
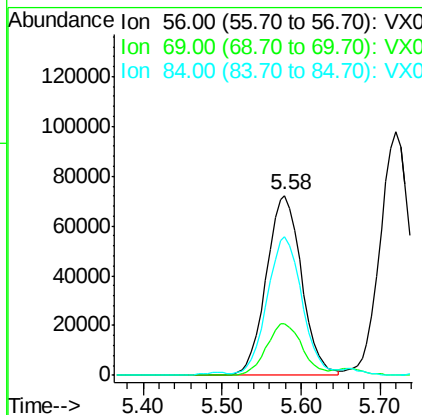
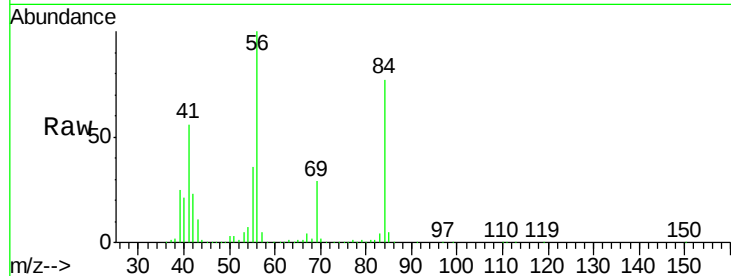
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	224329
Ion	Ratio	Lower	Upper
56	100		
69	28.5	24.0	36.0
84	76.7	65.3	97.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 50.148 ug/l

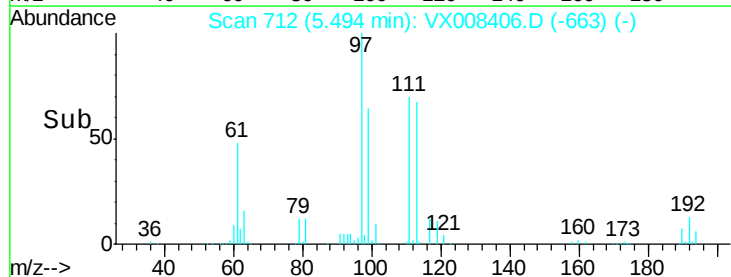
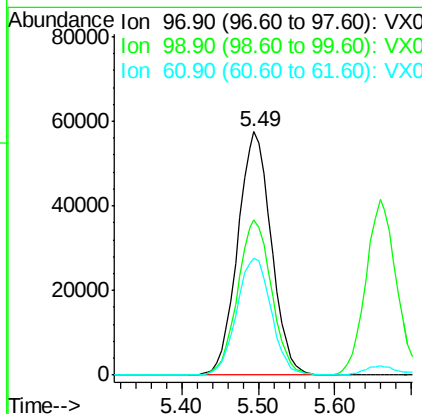
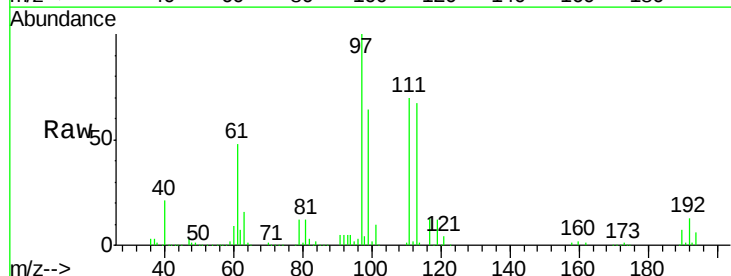
RT: 5.49 min Scan# 712

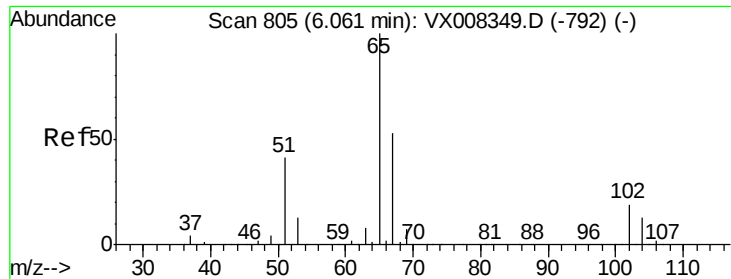
Delta R.T. -0.00 min

Lab File: VX008406.D

Acq: 24 Mar 2019 20:44

Tgt Ion:	97	Resp:	175339
Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.2	78.2
61	49.3	34.9	52.3





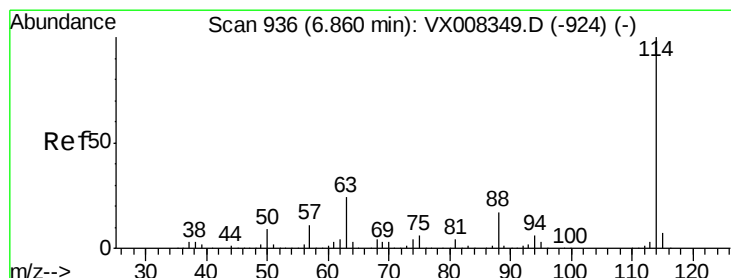
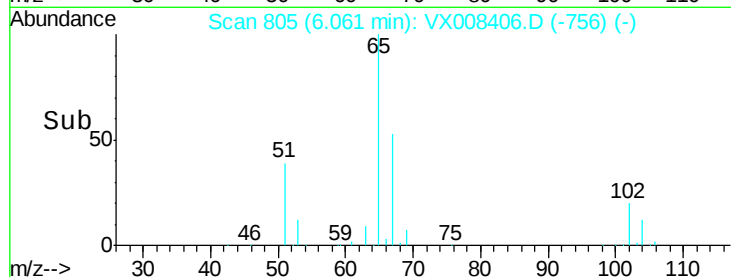
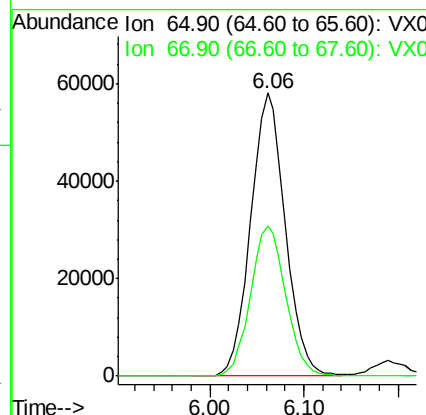
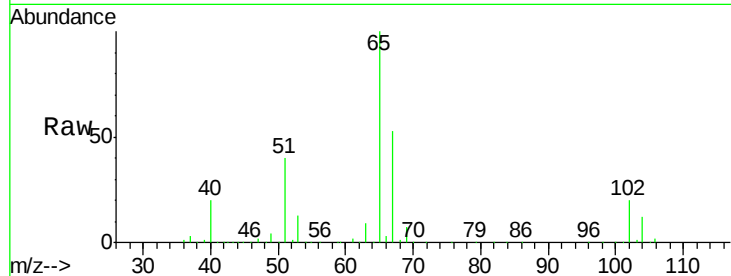
#33
 1,2-Dichloroethane-d4
 Concen: 50.018 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008406.D
 Acq: 24 Mar 2019 20:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	110.0

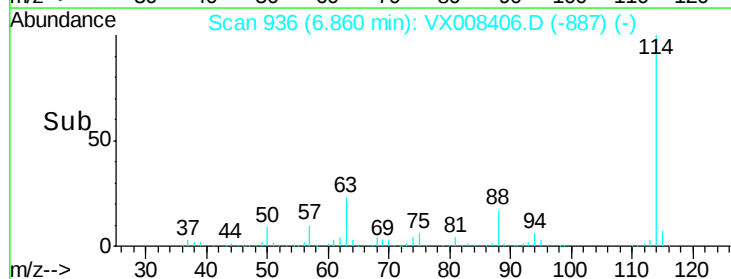
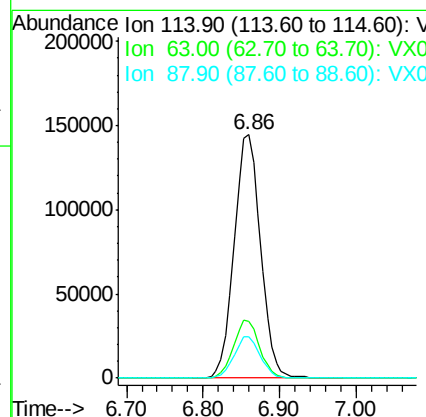
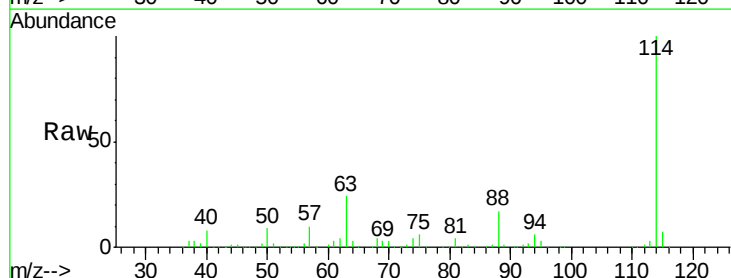
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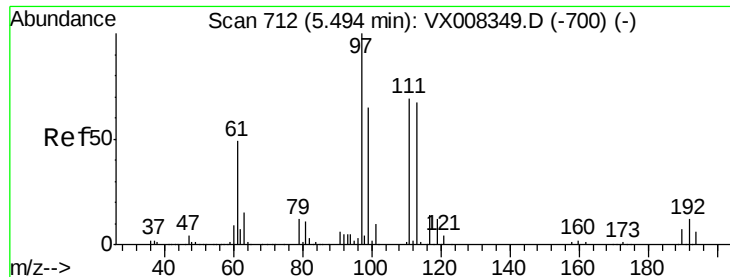
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008406.D
 Acq: 24 Mar 2019 20:44

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.5	0.0	39.8
88	16.9	0.0	31.4





#35

Dibromofluoromethane

Concen: 50.030 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX008406.D

Acq: 24 Mar 2019 20:44

Instrument :

MSVOA_X

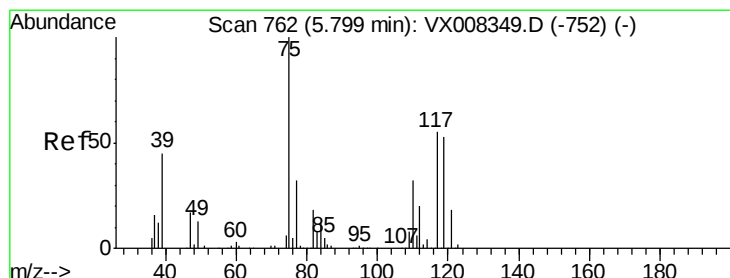
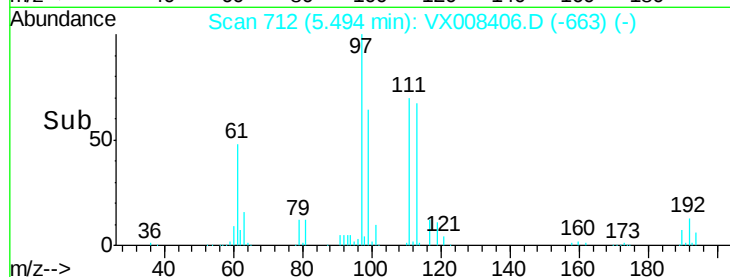
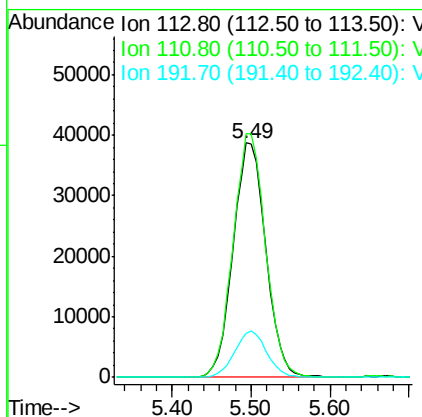
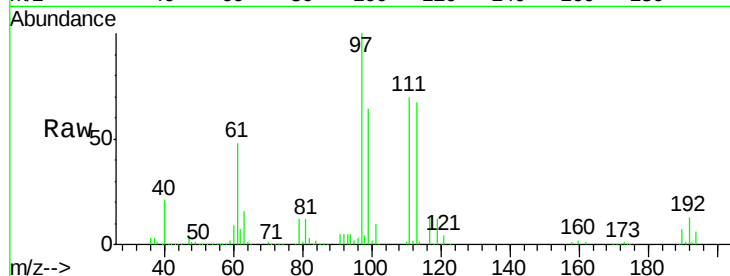
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	111947
Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.4	122.0
192	19.4	19.4	29.0

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#36

1,1-Dichloropropene

Concen: 47.715 ug/l

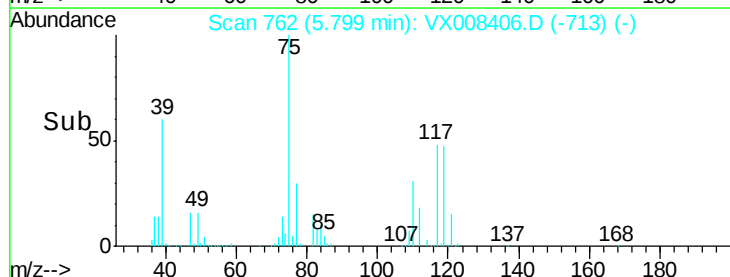
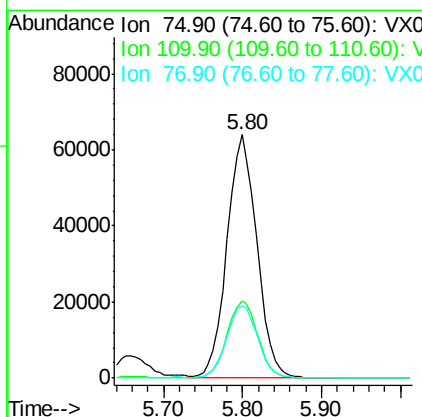
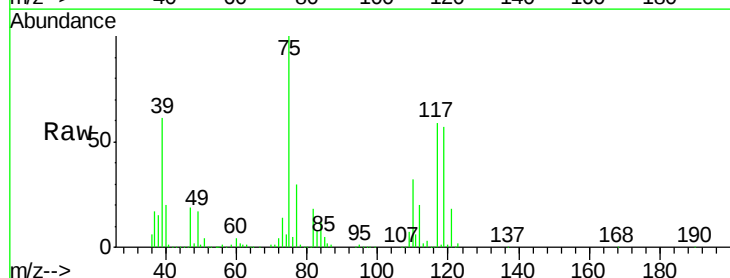
RT: 5.80 min Scan# 762

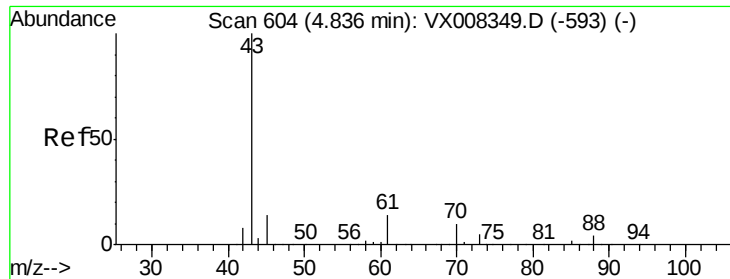
Delta R.T. -0.00 min

Lab File: VX008406.D

Acq: 24 Mar 2019 20:44

Tgt Ion:	75	Resp:	168390
Ion	Ratio	Lower	Upper
75	100		
110	32.9	18.4	55.0
77	30.9	25.0	37.4





#37

Ethyl Acetate

Concen: 48.778 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX008406.D

Acq: 24 Mar 2019 20:44

Instrument :

MSVOA_X

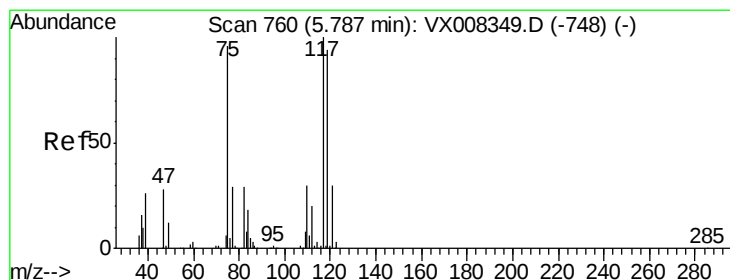
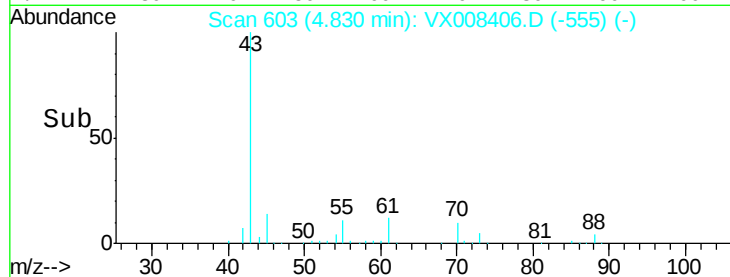
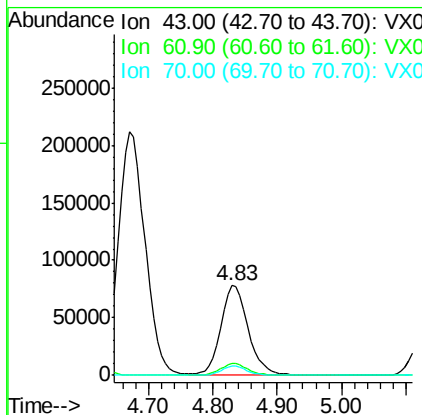
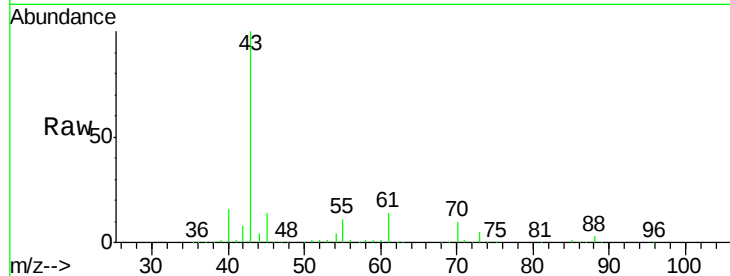
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	232975
Ion	Ratio	Lower	Upper
43	100		
61	13.1	11.3	16.9
70	9.9	8.5	12.7

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#38

Carbon Tetrachloride

Concen: 48.537 ug/l

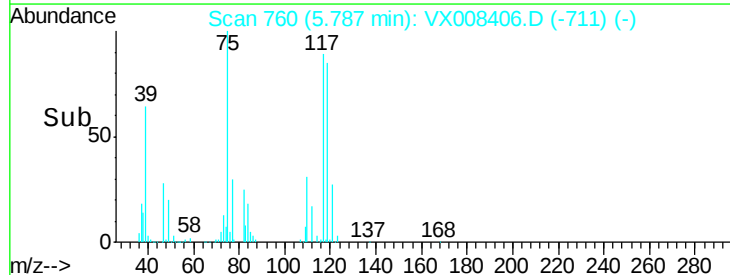
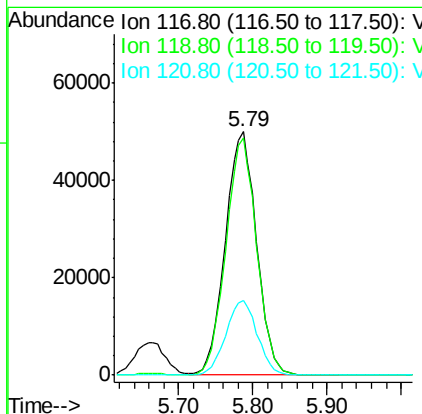
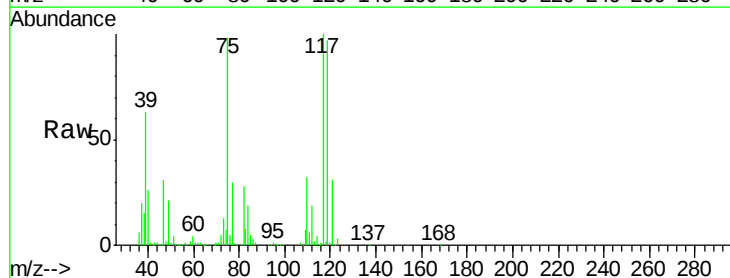
RT: 5.79 min Scan# 760

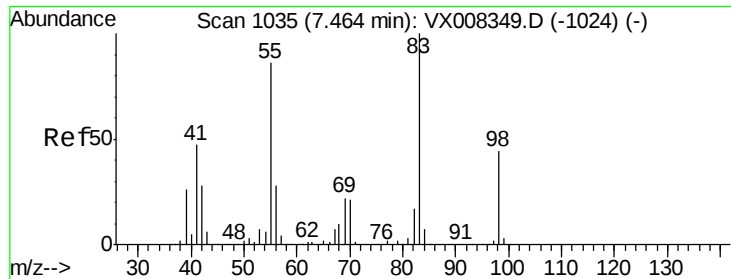
Delta R.T. -0.00 min

Lab File: VX008406.D

Acq: 24 Mar 2019 20:44

Tgt Ion:	117	Resp:	146832
Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.2	114.2
121	30.8	24.6	36.8





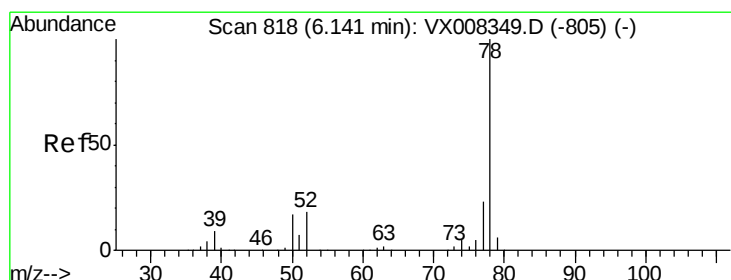
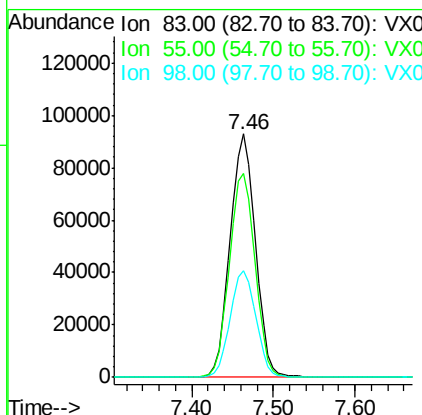
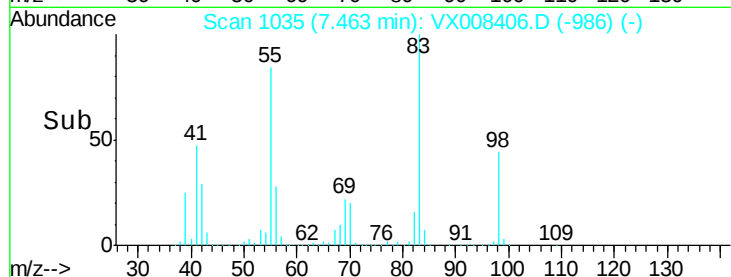
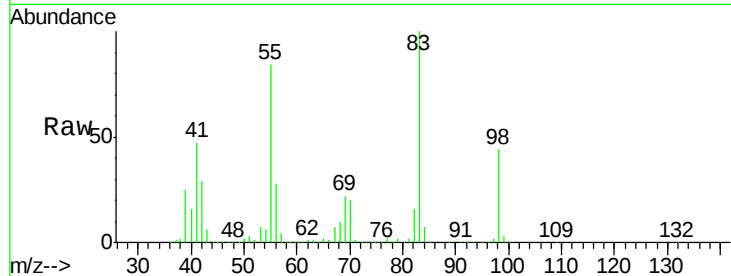
#39
Methvlcvclohexane
Concen: 46.030 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008406.D
Acq: 24 Mar 2019 20:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	199112		
55	83.6		60.4	90.6
98	43.7		36.5	54.7

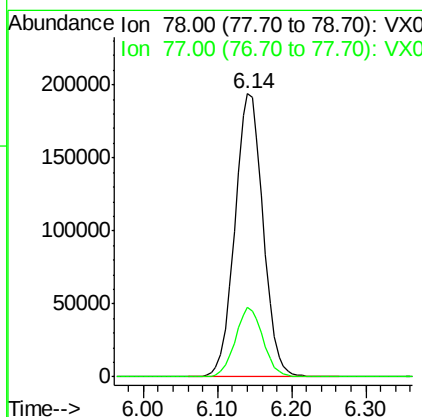
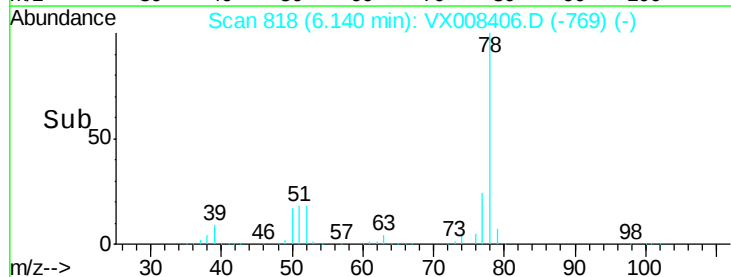
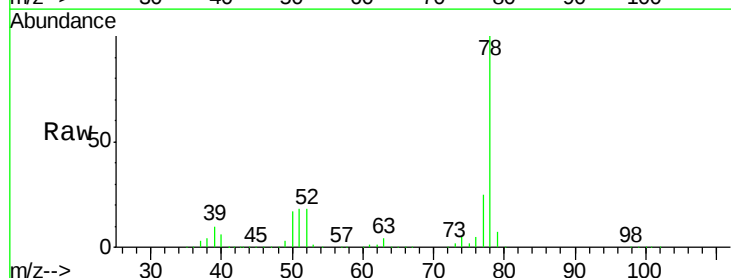
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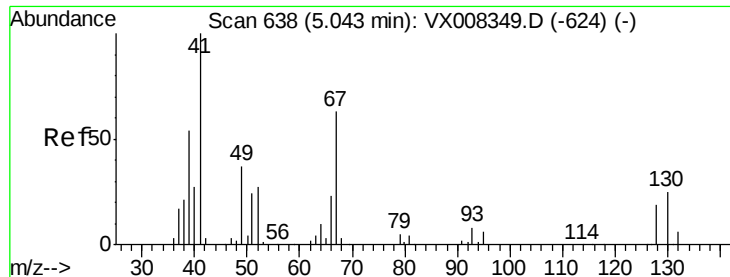
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#40
Benzene
Concen: 47.806 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX008406.D
Acq: 24 Mar 2019 20:44

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	513795		
77	24.5		19.0	28.4





#41

Methacrylonitrile

Concen: 49.808 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX008406.D

Acq: 24 Mar 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 129669

Ion Ratio Lower Upper

41 100

39 53.5 41.6 62.4

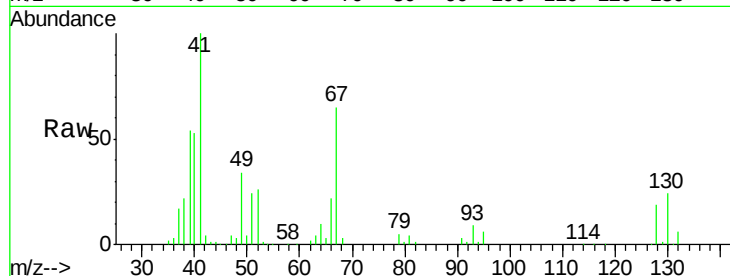
67 65.0 55.8 83.6

52 27.3 21.7 32.5

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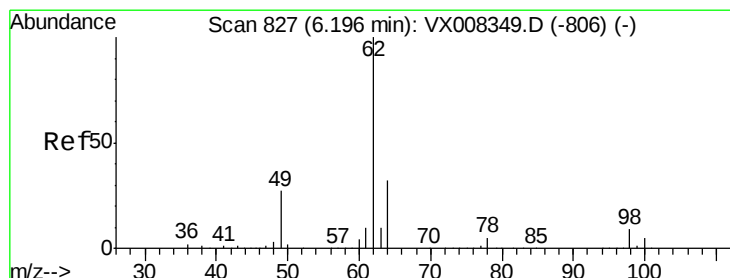
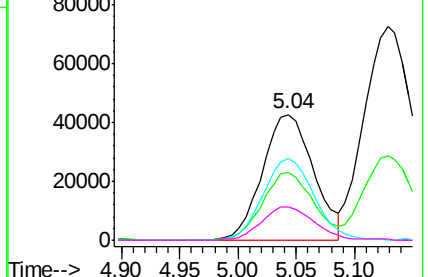
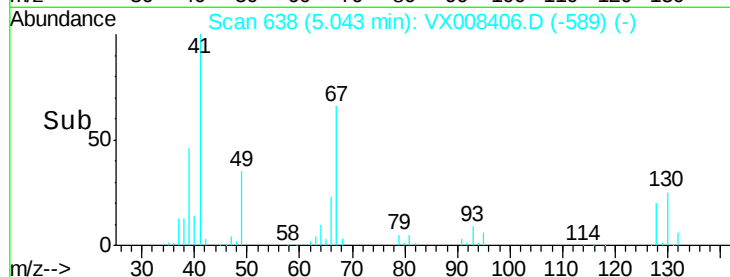


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 47.158 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.01 min

Lab File: VX008406.D

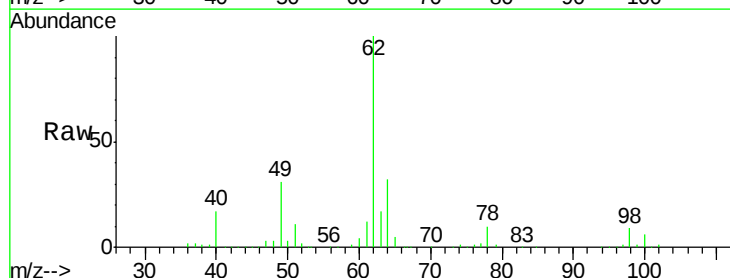
Acq: 24 Mar 2019 20:44

Tgt Ion: 62 Resp: 183929

Ion Ratio Lower Upper

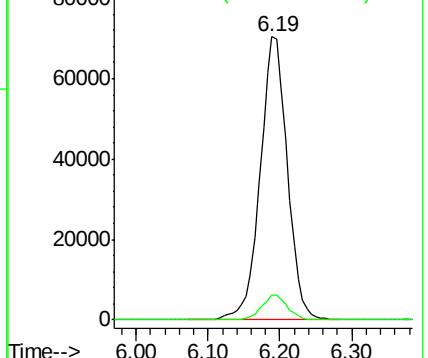
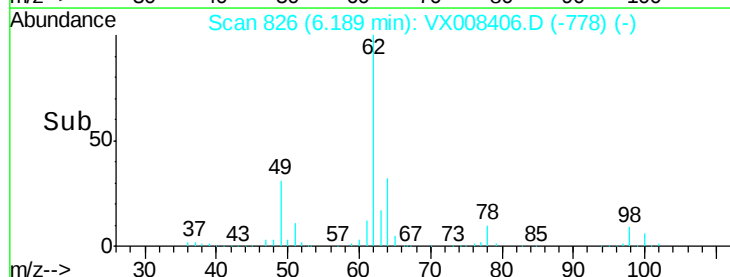
62 100

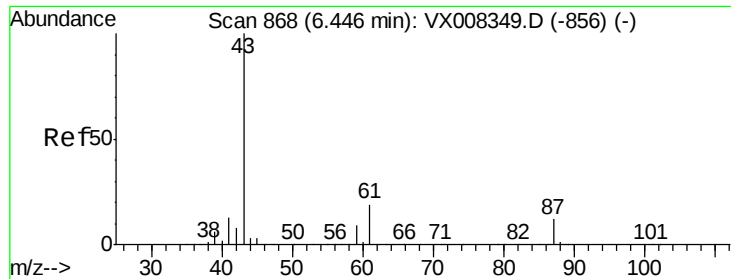
98 8.4 0.0 20.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

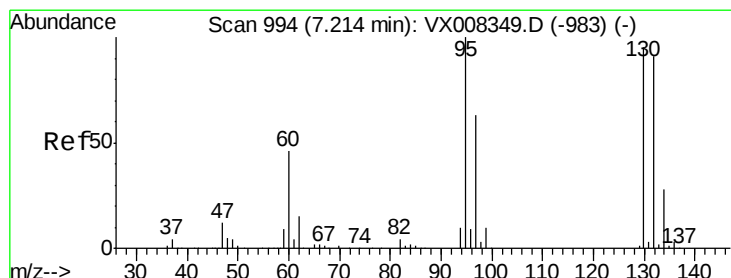
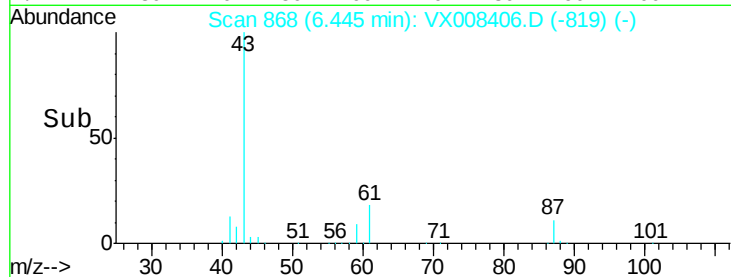
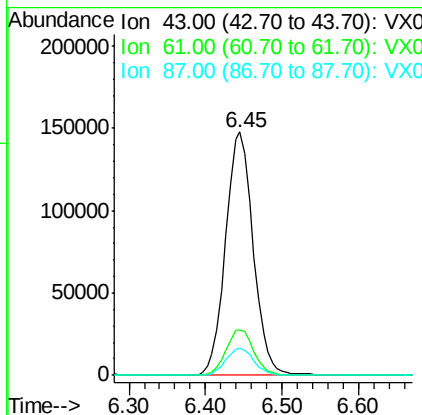
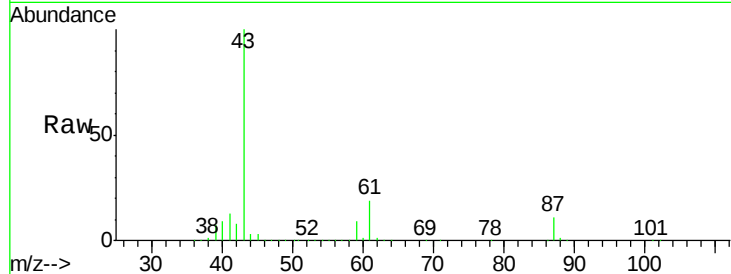
Isopropyl Acetate
 Concen: 49.340 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX008406.D
 Acq: 24 Mar 2019 20:44

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

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

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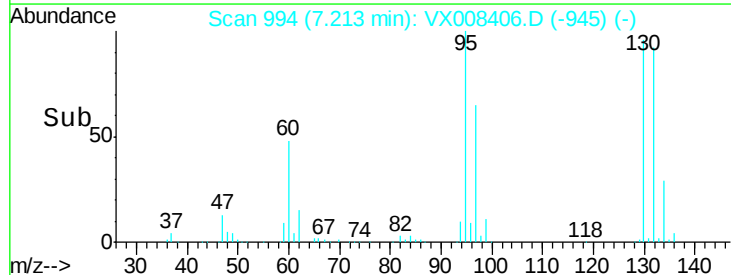
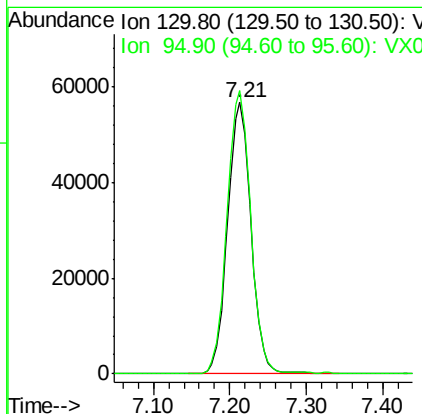
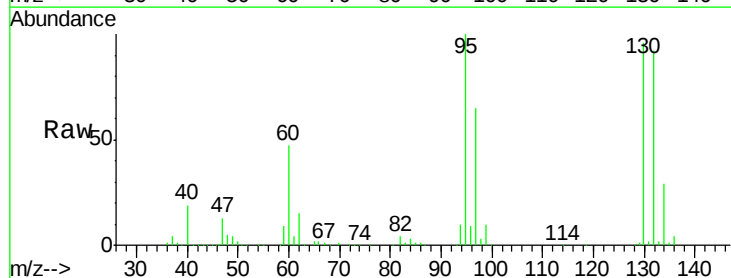
MMDadoda
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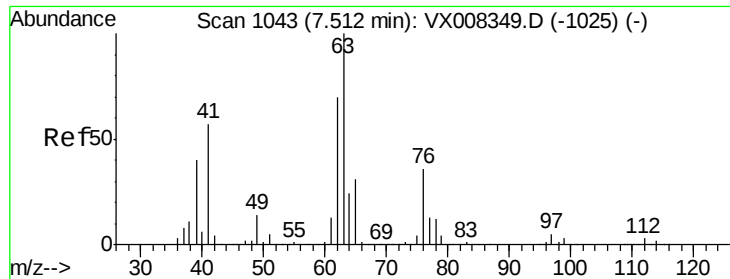


#44

Trichloroethene
 Concen: 48.227 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX008406.D
 Acq: 24 Mar 2019 20:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.2	0.0	188.0





#45

1,2-Dichloropropane

Concen: 48.024 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX008406.D

Acq: 24 Mar 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 146117

Ion Ratio Lower Upper

63 100

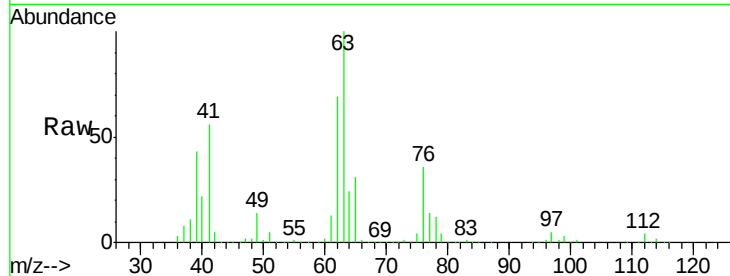
65 30.8 24.7 37.1

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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

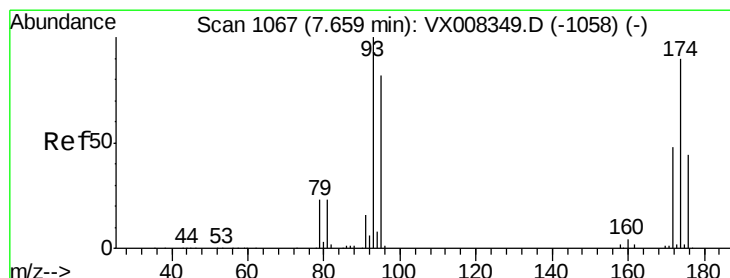
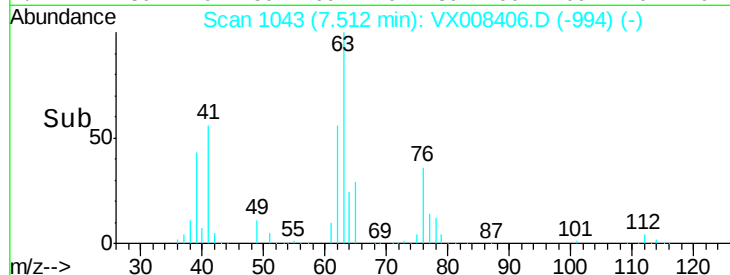
40000

20000

0

Time-->

7.40 7.50 7.60



#46

Dibromomethane

Concen: 46.794 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX008406.D

Acq: 24 Mar 2019 20:44

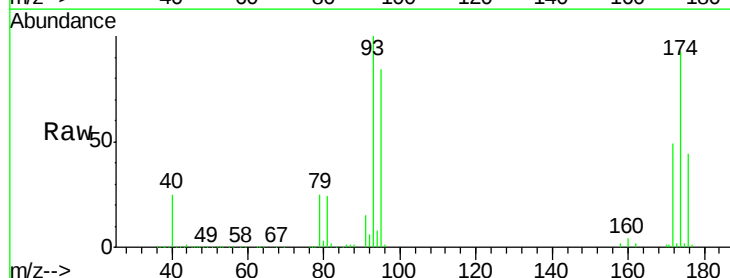
Tgt Ion: 93 Resp: 84494

Ion Ratio Lower Upper

93 100

95 83.8 66.8 100.2

174 95.3 97.3 145.9#



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

7.66

60000

50000

40000

30000

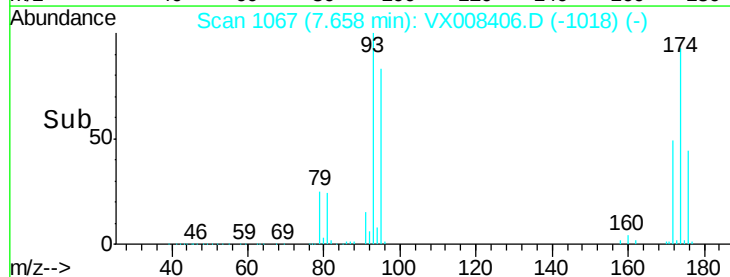
20000

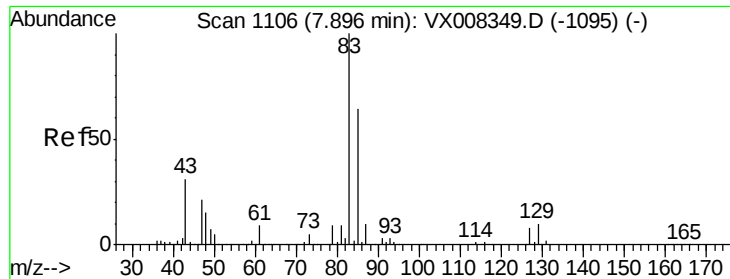
10000

0

Time-->

7.60 7.70 7.80





#47

Bromodichloromethane

Concen: 49.857 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008406.D

Acq: 24 Mar 2019 20:44

Tot Ion:	83	Resp:	171712
Ion Ratio	Lower	Upper	
83	100		
85	65.4	50.9	76.3
127	7.9	7.4	11.0

Instrument :

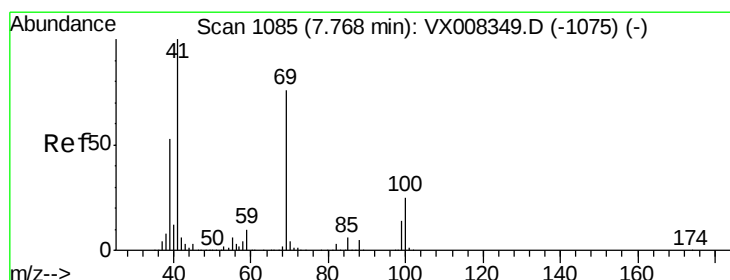
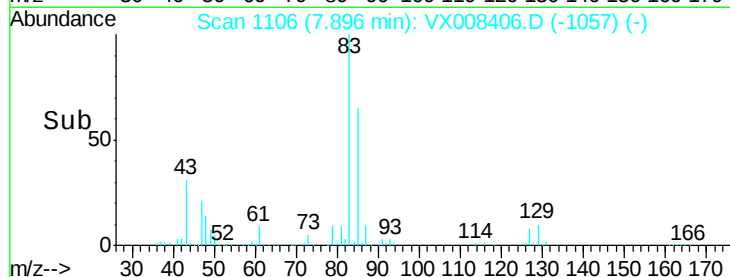
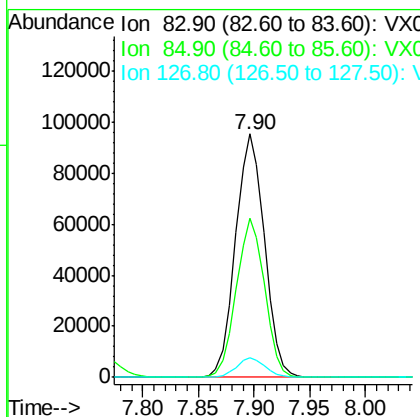
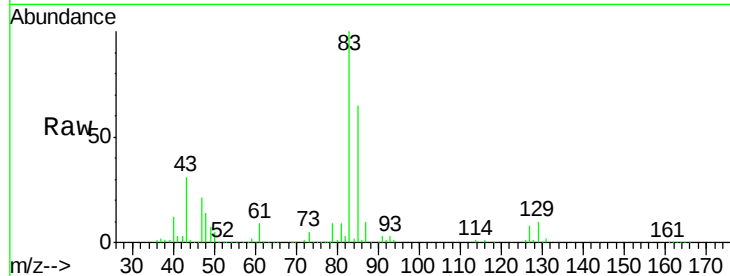
MSVOA_X

ClientSampleId :

VSTDCCC050EC

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.866 ug/l

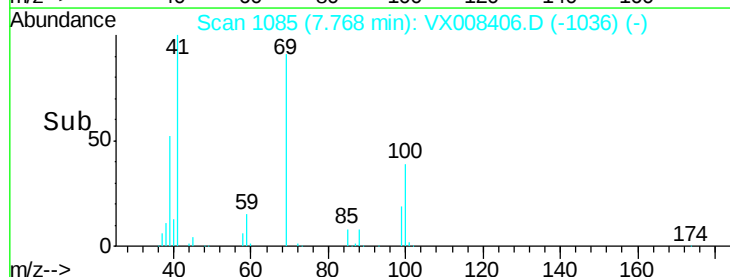
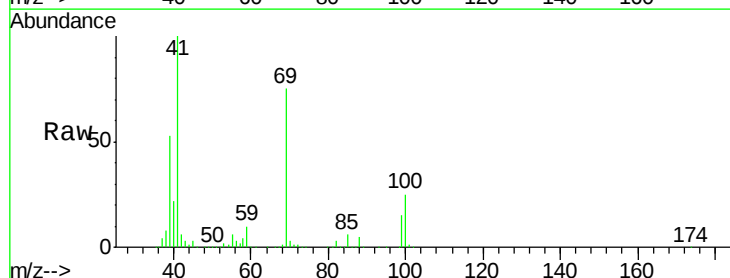
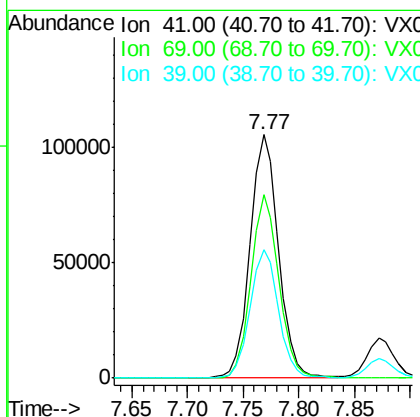
RT: 7.77 min Scan# 1085

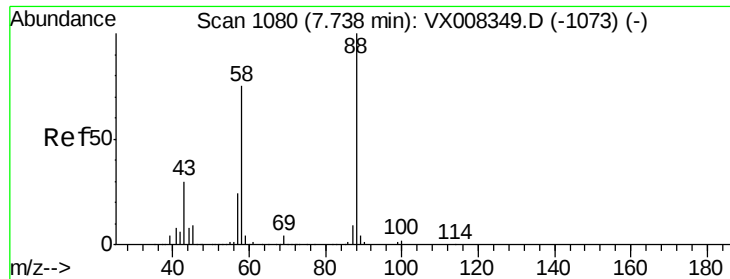
Delta R.T. -0.00 min

Lab File: VX008406.D

Acq: 24 Mar 2019 20:44

Tgt Ion:	41	Resp:	187146
Ion Ratio	Lower	Upper	
41	100		
69	74.5	65.2	97.8
39	52.9	39.4	59.2





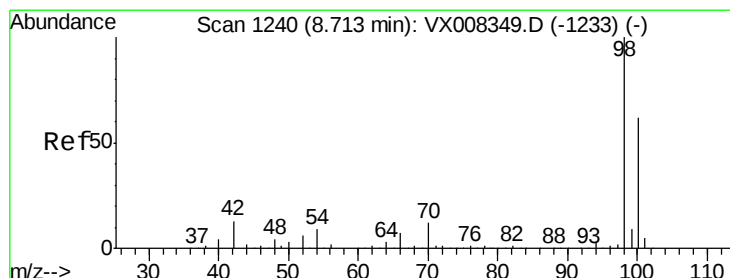
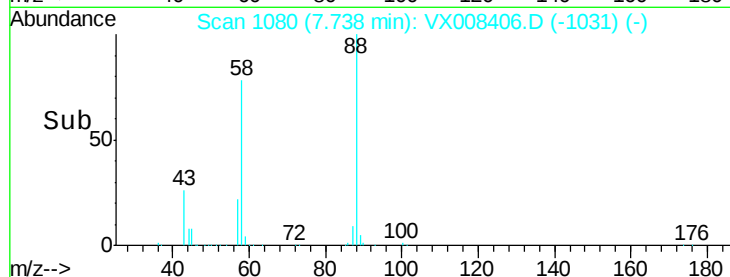
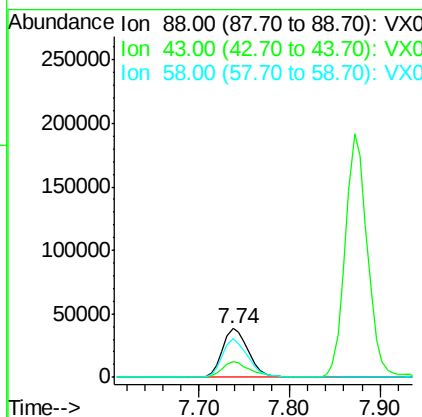
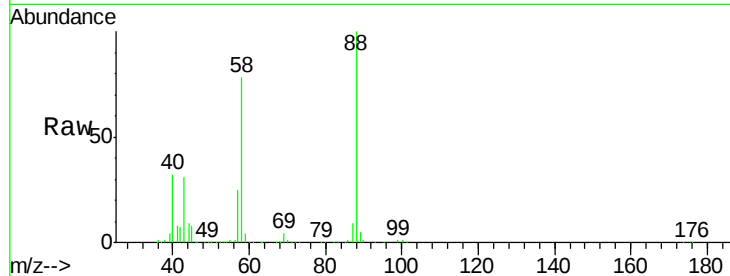
#49
1,4-Dioxane
Concen: 1015.149 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX008406.D
Acq: 24 Mar 2019 20:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	76866
Ion	Ratio	Lower	Upper
88	100		
43	35.6	25.1	37.7
58	78.4	57.8	86.6

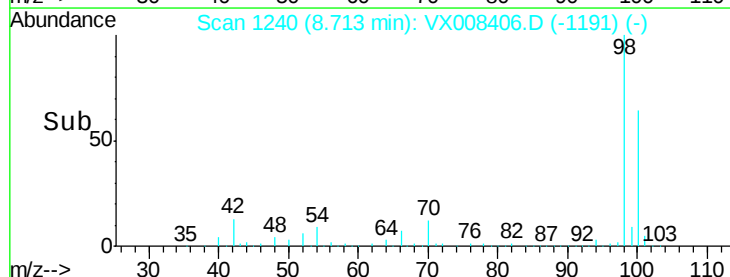
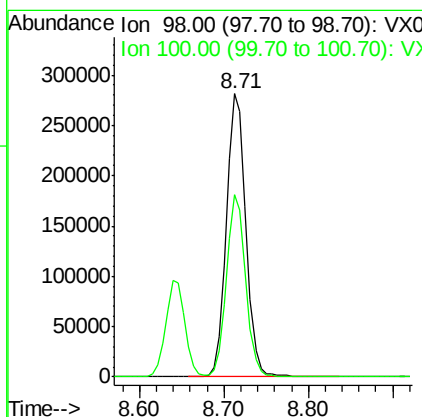
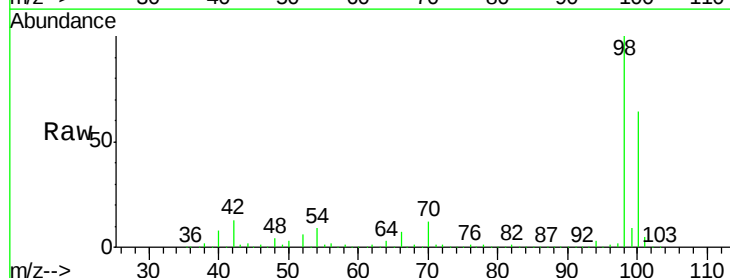
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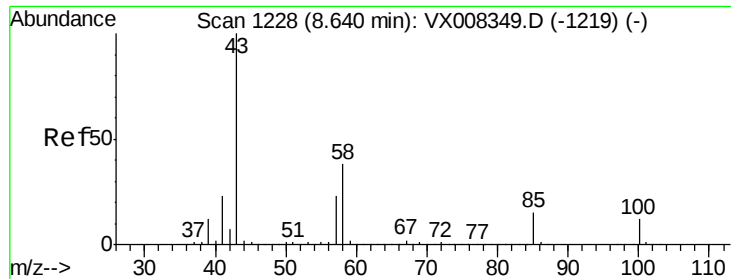
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#50
Toluene-d8
Concen: 50.495 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008406.D
Acq: 24 Mar 2019 20:44

Tgt Ion	98	Resp	446895
Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 250.781 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX008406.D

Acq: 24 Mar 2019 20:44

Tot Ion: 43 Resp: 1223765

Ion Ratio Lower Upper

43 100

58 37.5 31.3 46.9

Instrument :

MSVOA_X

ClientSampleId :

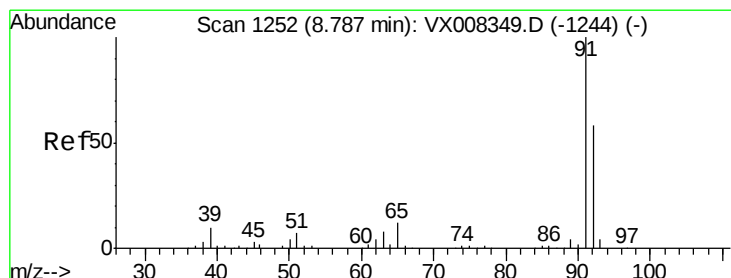
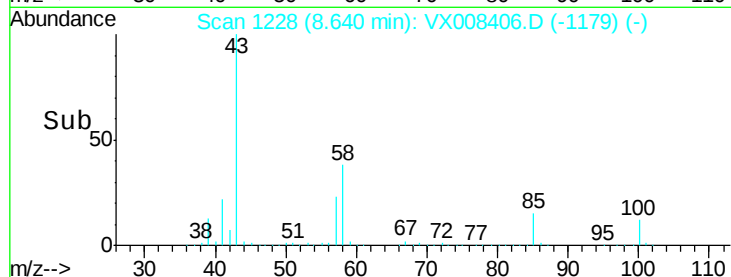
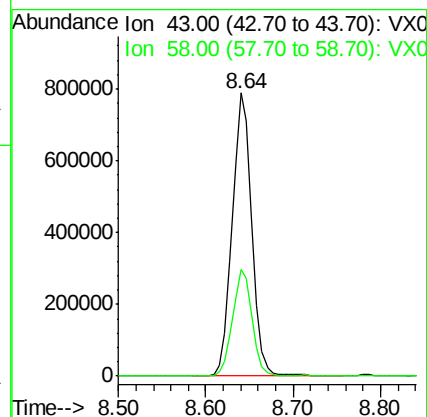
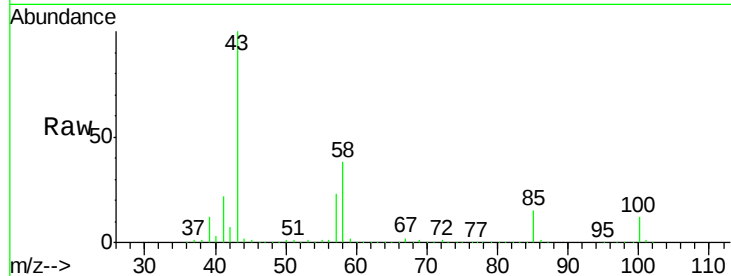
VSTDCCC050EC

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#52

Toluene

Concen: 49.108 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX008406.D

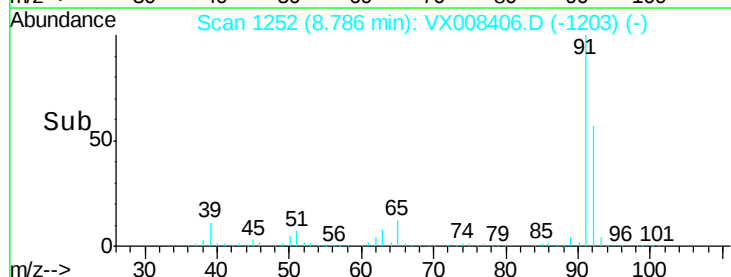
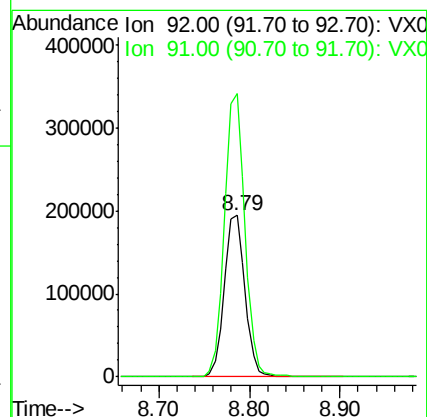
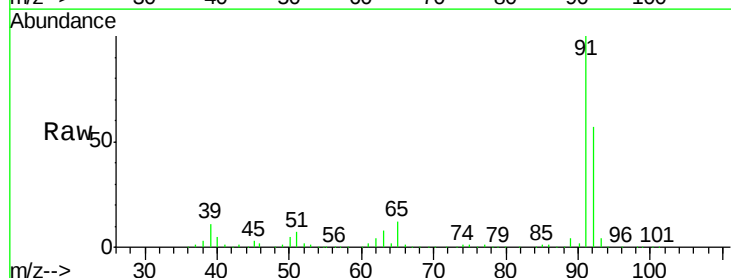
Acq: 24 Mar 2019 20:44

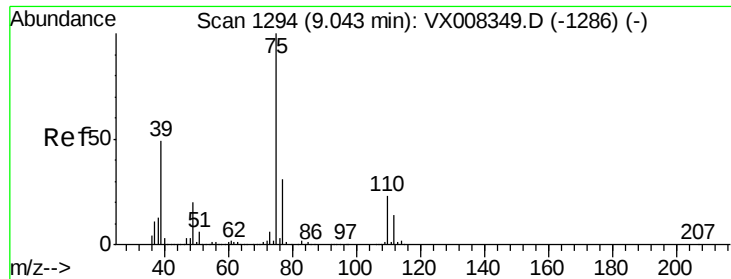
Tgt Ion: 92 Resp: 309486

Ion Ratio Lower Upper

92 100

91 173.8 137.4 206.0





#53

t-1,3-Dichloropropene

Concen: 49.742 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX008406.D

Acq: 24 Mar 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 184196

Ion Ratio Lower Upper

75 100

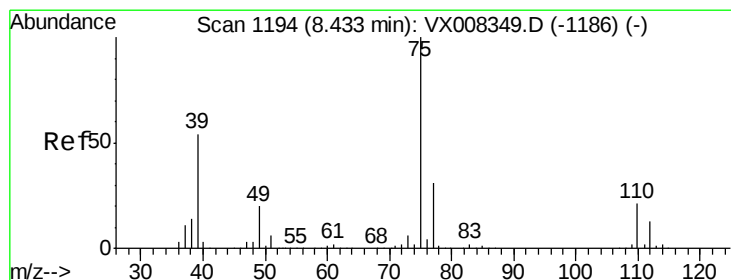
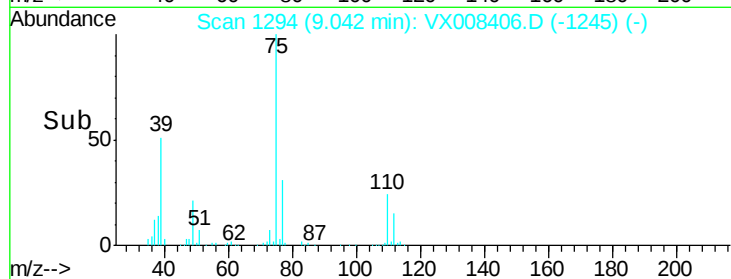
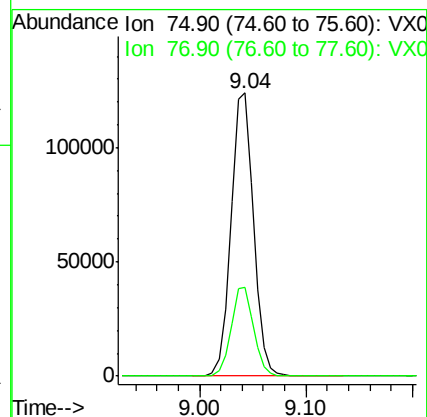
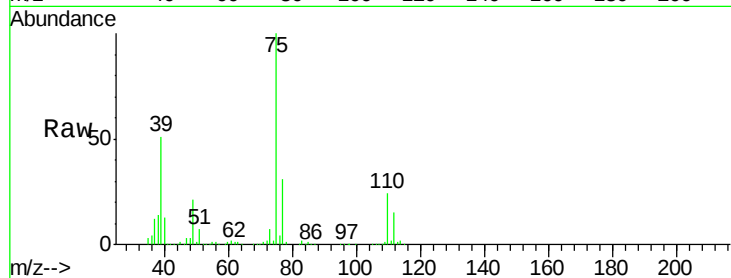
77 31.4 25.4 38.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 49.068 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX008406.D

Acq: 24 Mar 2019 20:44

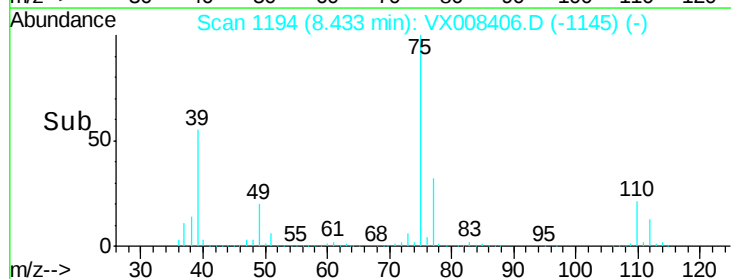
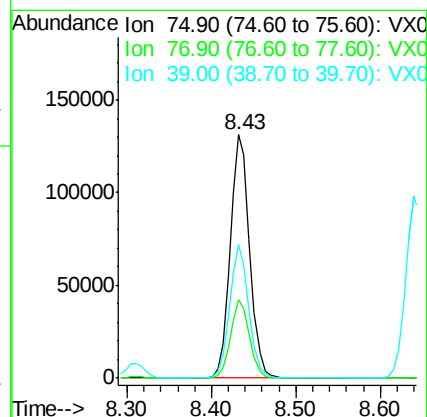
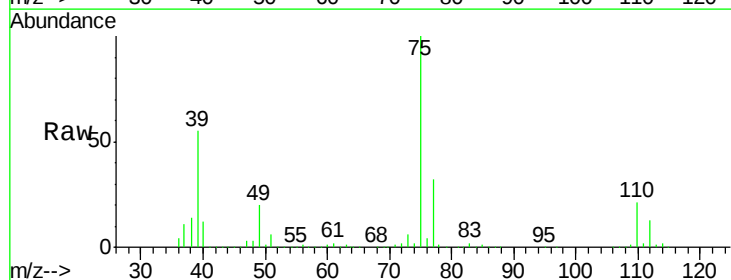
Tgt Ion: 75 Resp: 206008

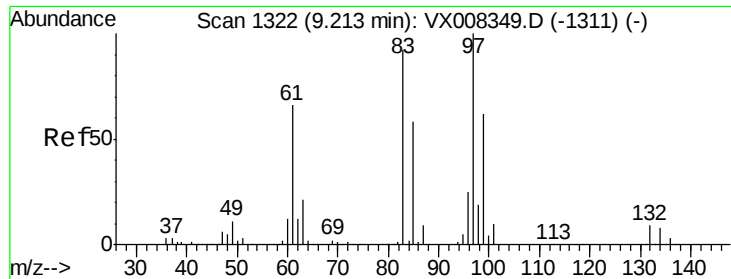
Ion Ratio Lower Upper

75 100

77 32.3 25.0 37.6

39 54.7 36.6 54.8





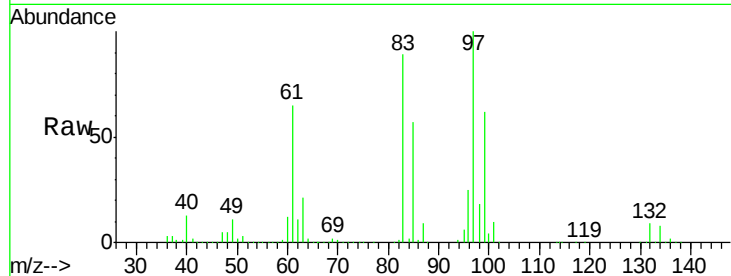
#55
 1,1,2-Trichloroethane
 Concen: 48.269 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008406.D
 Acq: 24 Mar 2019 20:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

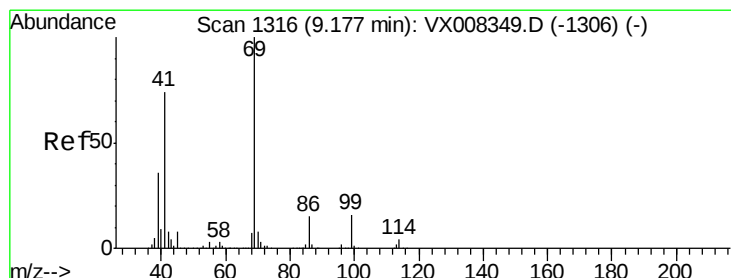
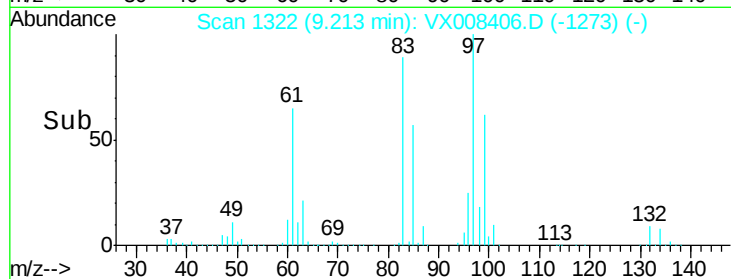
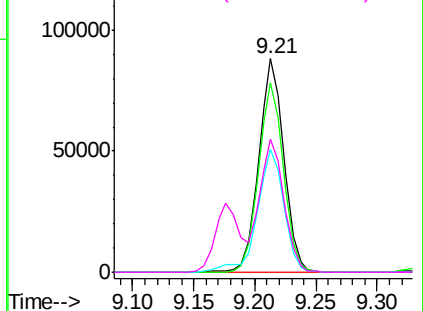
Tot Ion:	97	Resp:	126356
Ion	Ratio	Lower	Upper
97	100		
83	88.7	69.1	103.7
85	57.3	44.3	66.5
99	62.4	49.8	74.8

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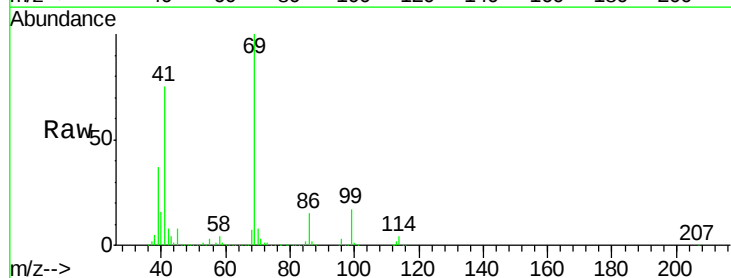


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

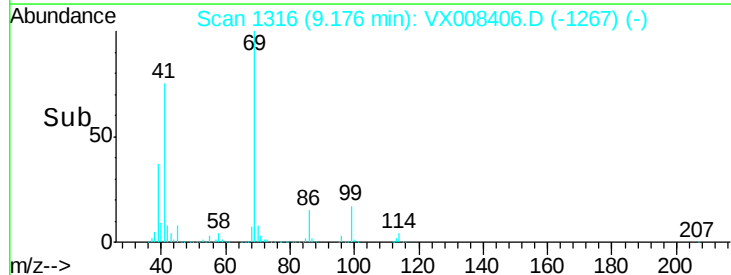
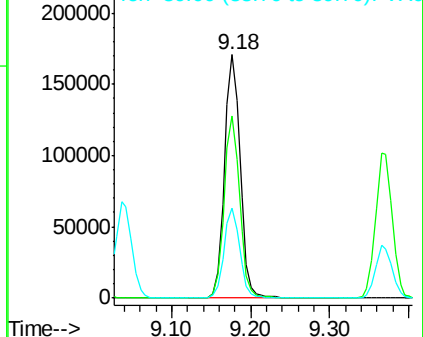


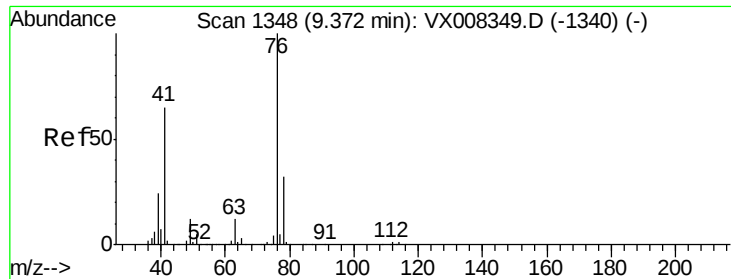
#56
 Ethyl methacrylate
 Concen: 51.018 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX008406.D
 Acq: 24 Mar 2019 20:44

Tgt Ion:	69	Resp:	236432
Ion	Ratio	Lower	Upper
69	100		
41	74.1	54.2	81.4
39	37.1	25.0	37.4



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





#57

1,3-Dichloropropane

Concen: 48.176 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX008406.D

Acq: 24 Mar 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 224665

Ion Ratio Lower Upper

76 100

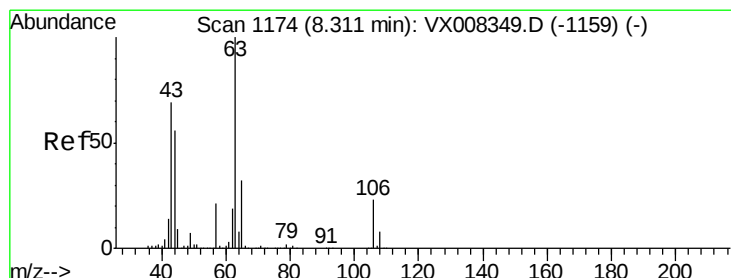
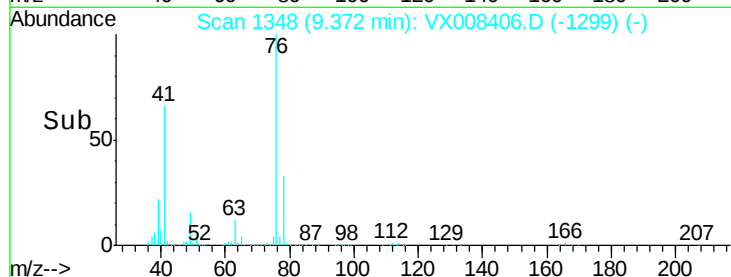
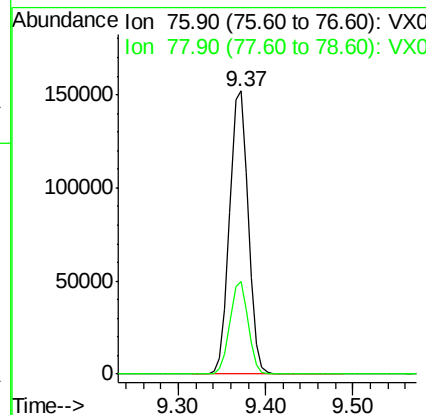
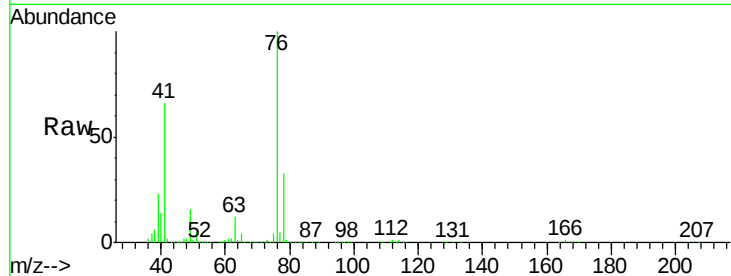
78 32.0 25.5 38.3

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#58

2-Chloroethyl Vinyl ether

Concen: 241.377 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX008406.D

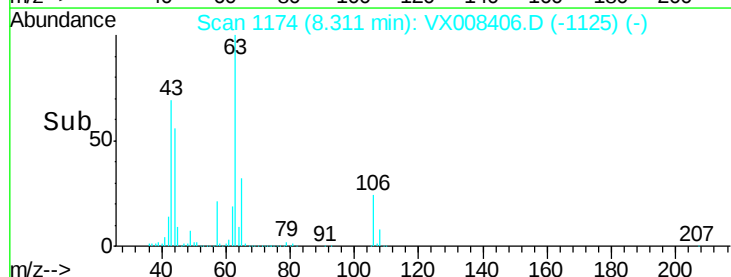
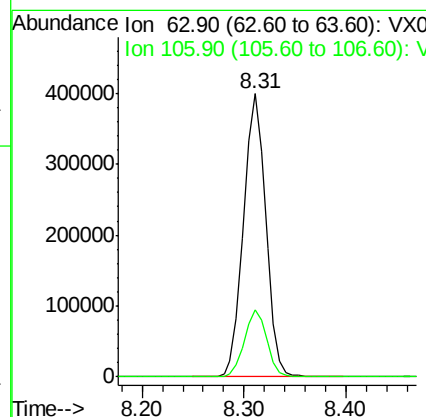
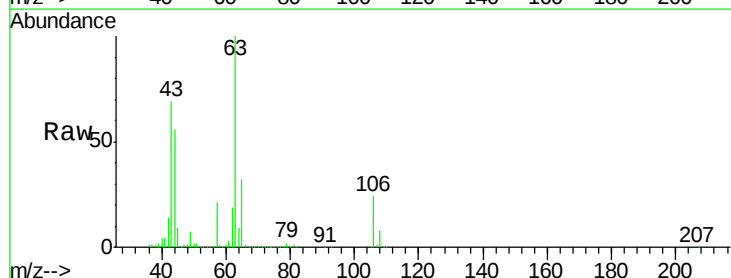
Acq: 24 Mar 2019 20:44

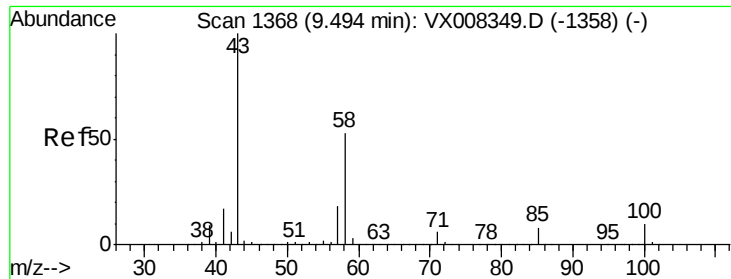
Tgt Ion: 63 Resp: 603131

Ion Ratio Lower Upper

63 100

106 23.8 22.2 33.2





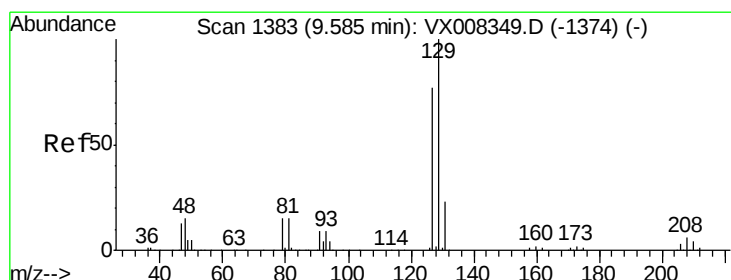
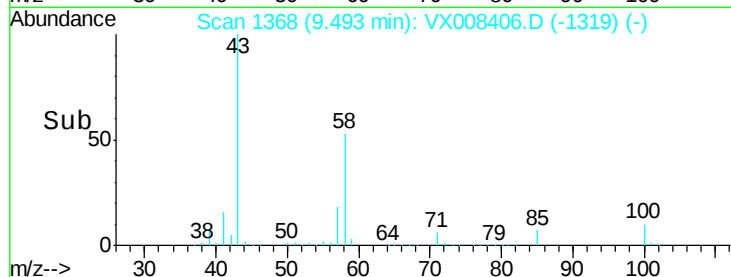
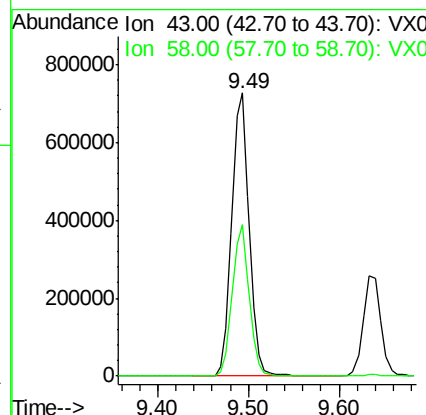
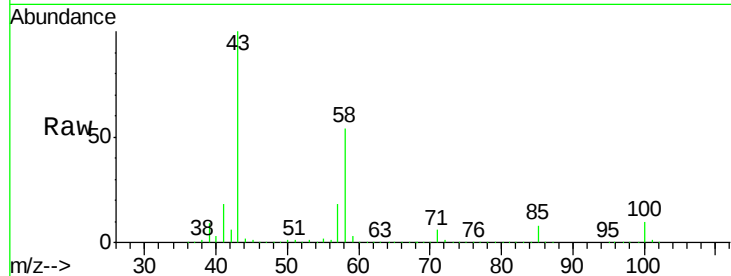
#59
2-Hexanone
Concen: 258.370 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX008406.D
Acq: 24 Mar 2019 20:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.4	27.6	82.7

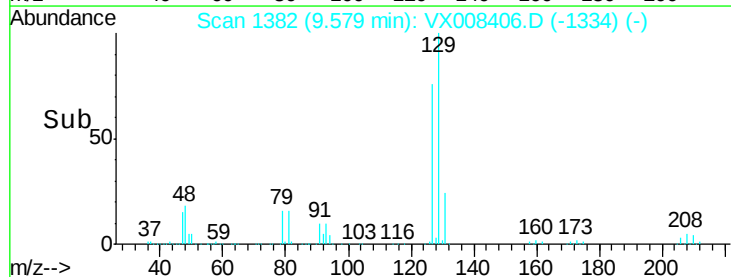
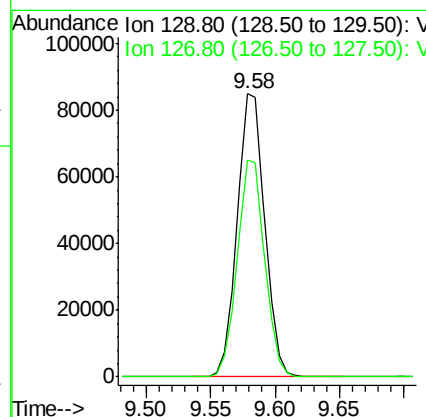
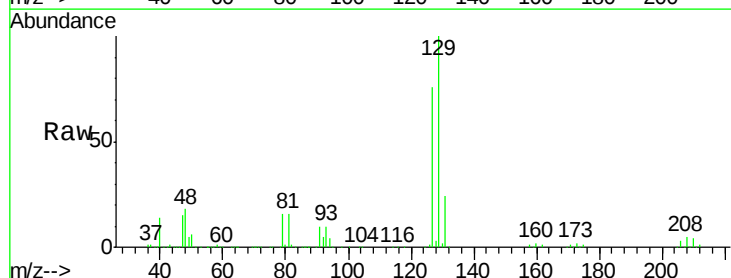
Manual Integrations
APPROVED

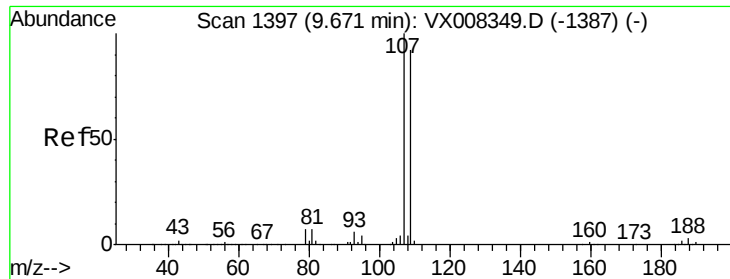
MMDadoda
3/25/2019 11:24:48 AM



#60
Dibromochloromethane
Concen: 52.113 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX008406.D
Acq: 24 Mar 2019 20:44

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.3	38.3	114.8





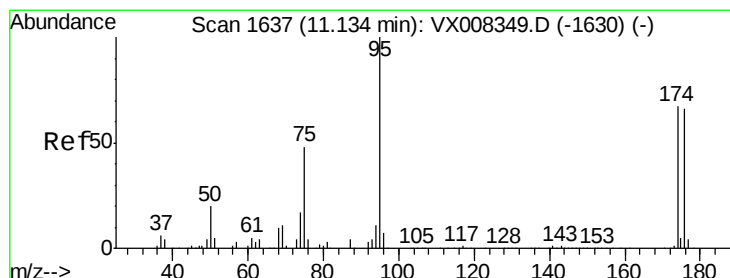
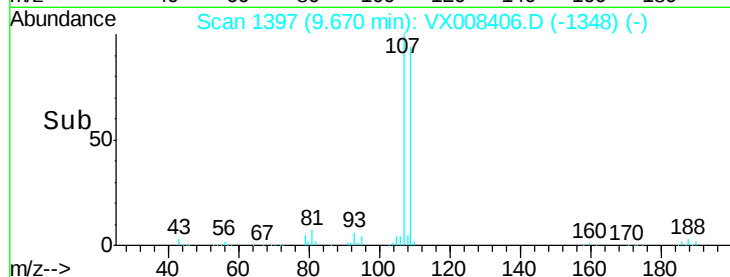
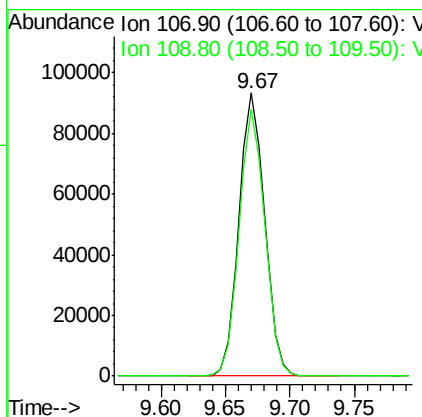
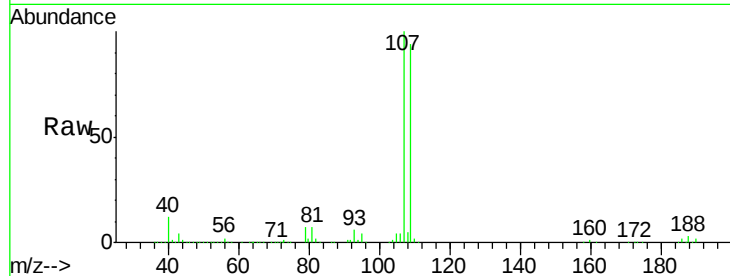
#61
 1,2-Dibromoethane
 Concen: 48.812 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX008406.D
 Acq: 24 Mar 2019 20:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.8	113.8

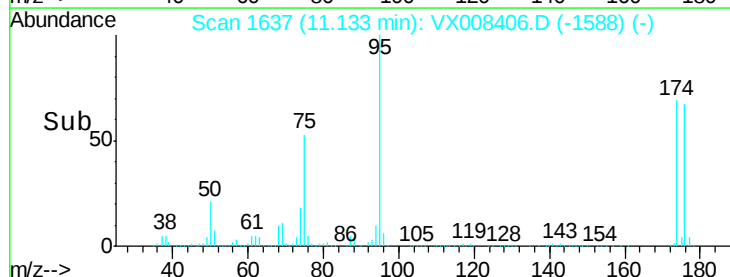
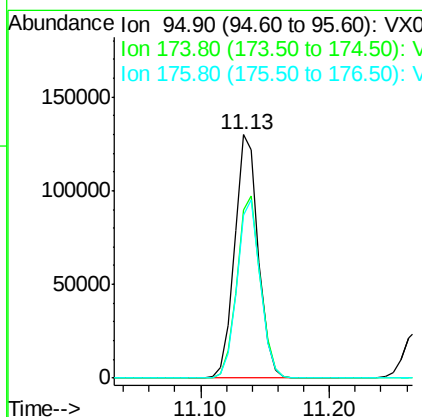
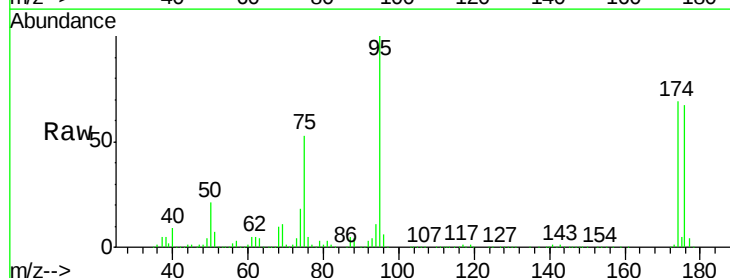
Manual Integrations
 APPROVED

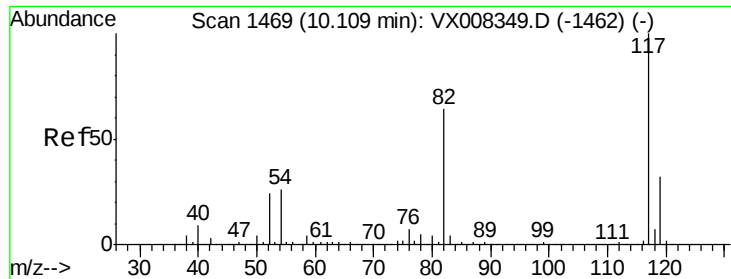
MMDadoda
 3/25/2019 11:24:48 AM



#62
 4-Bromofluorobenzene
 Concen: 50.952 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX008406.D
 Acq: 24 Mar 2019 20:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.9	0.0	182.8
176	72.1	0.0	178.0





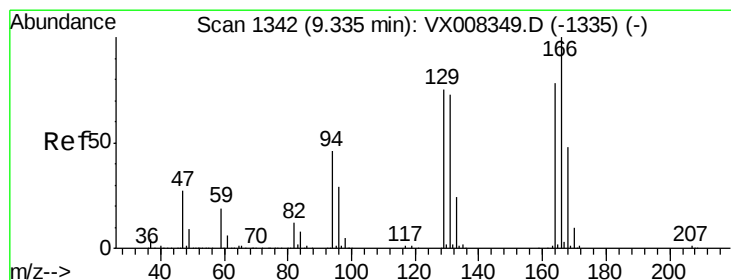
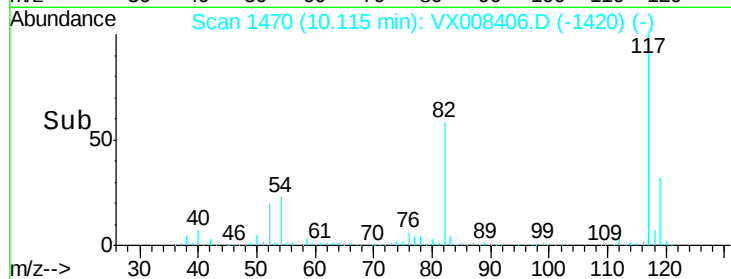
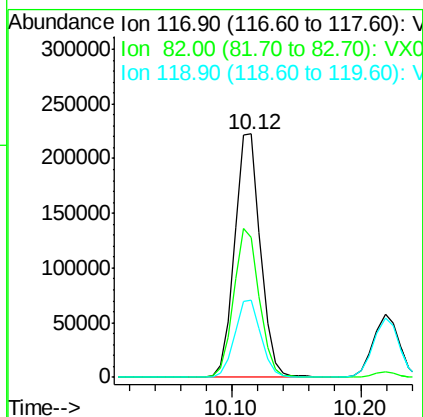
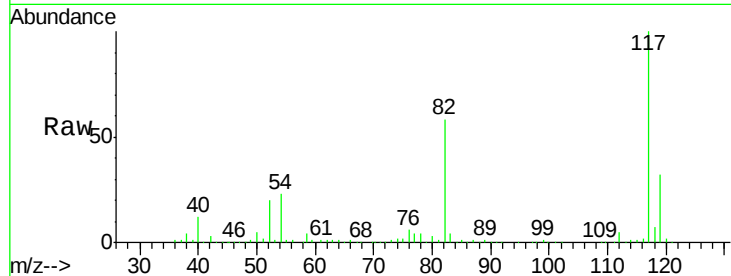
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008406.D
Acq: 24 Mar 2019 20:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.7	44.3	66.5
119	31.8	25.3	37.9

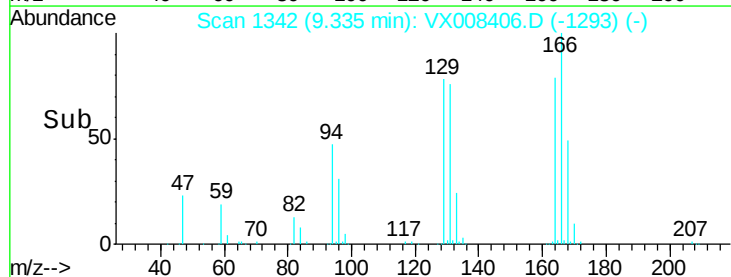
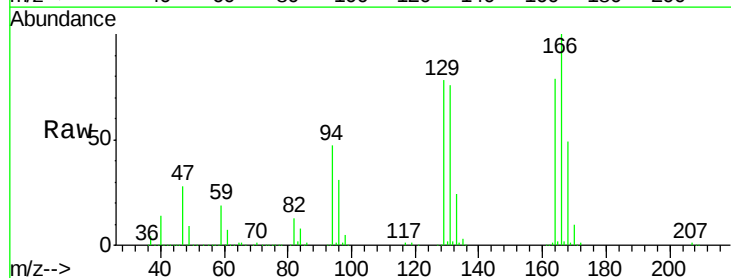
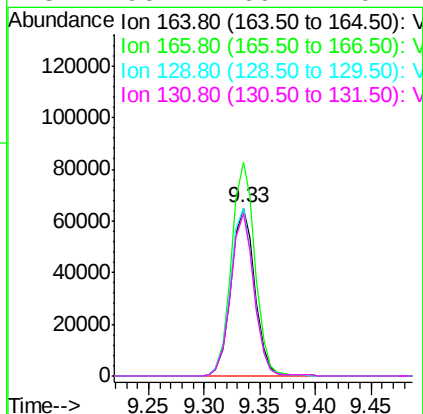
Manual Integrations
APPROVED

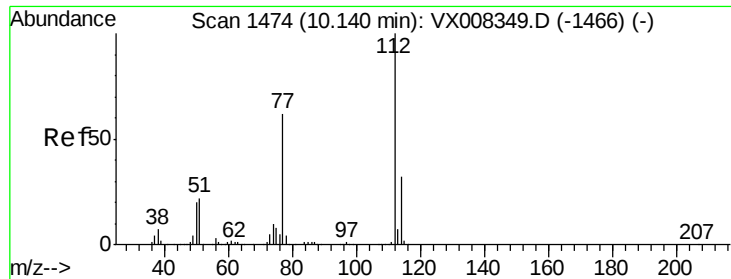
MMDadoda
3/25/2019 11:24:48 AM



#64
Tetrachloroethene
Concen: 47.019 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008406.D
Acq: 24 Mar 2019 20:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.9	103.4	155.0
129	99.3	72.2	108.4
131	96.2	69.4	104.2





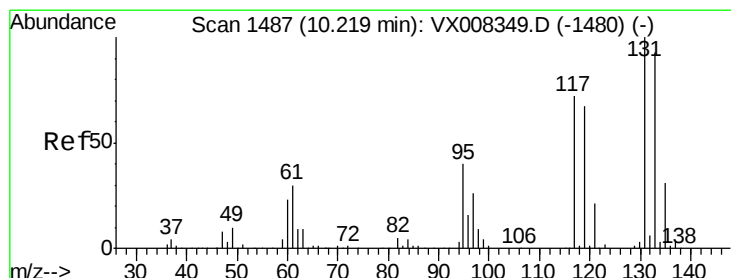
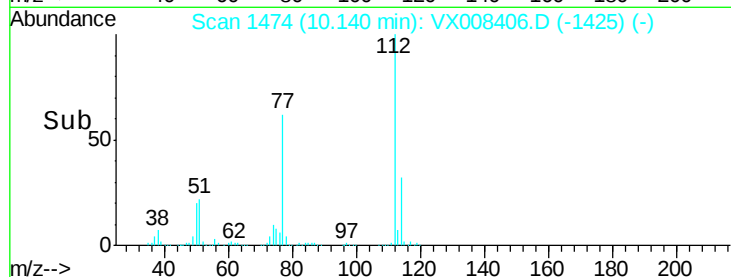
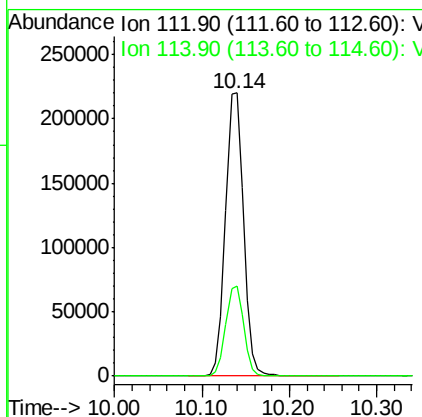
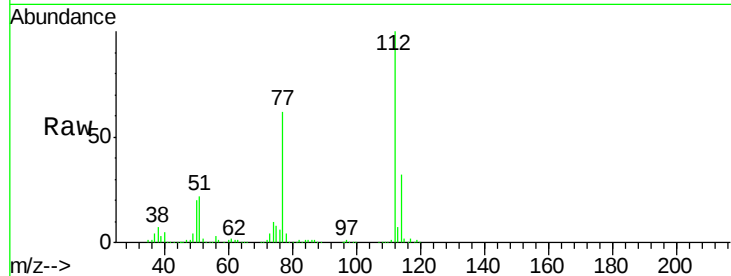
#65
Chlorobenzene
Concen: 48.350 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX008406.D
Acq: 24 Mar 2019 20:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 315797
Ion Ratio Lower Upper
112 100
114 31.9 26.0 39.0

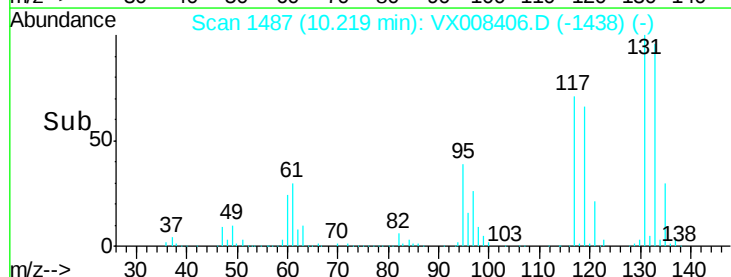
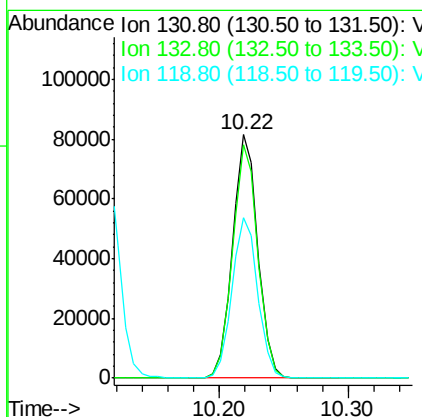
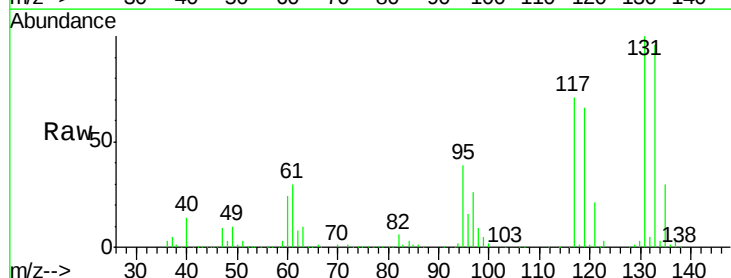
Manual Integrations
APPROVED

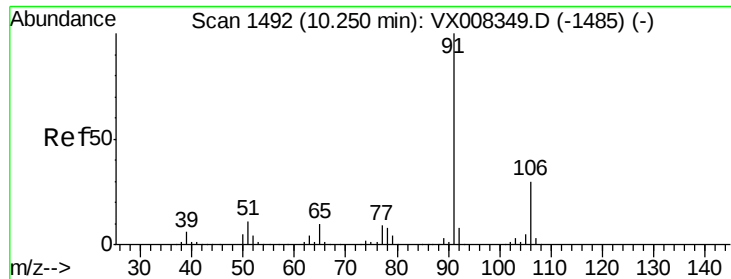
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.077 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX008406.D
Acq: 24 Mar 2019 20:44

Tgt Ion:131 Resp: 111161
Ion Ratio Lower Upper
131 100
133 96.2 47.8 143.3
119 67.3 32.5 97.5





#67

Ethyl Benzene

Concen: 48.703 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX008406.D

Acq: 24 Mar 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 595633

Ion Ratio Lower Upper

91 100

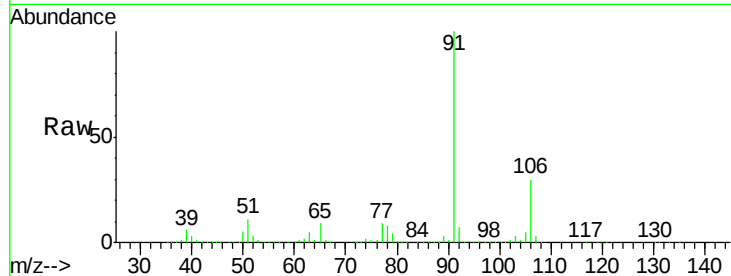
106 29.8 25.2 37.8

Manual Integrations

APPROVED

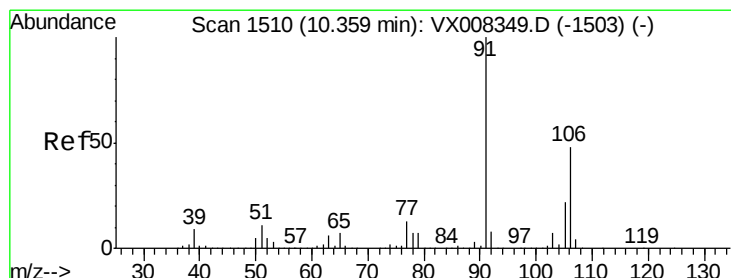
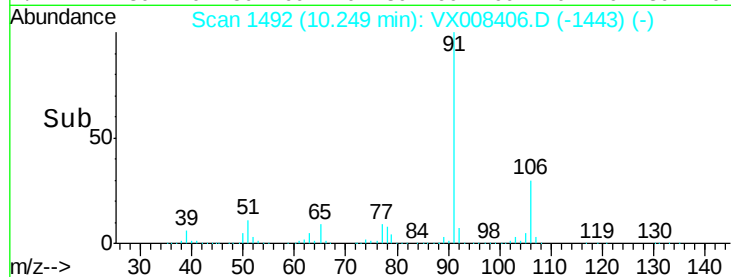
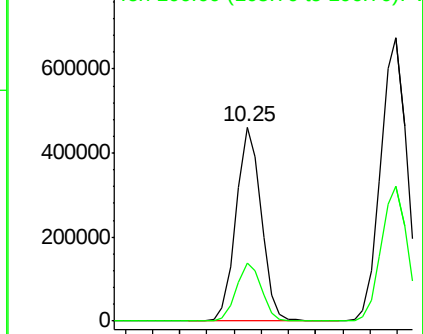
MMDadoda

3/25/2019 11:24:48 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 98.492 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX008406.D

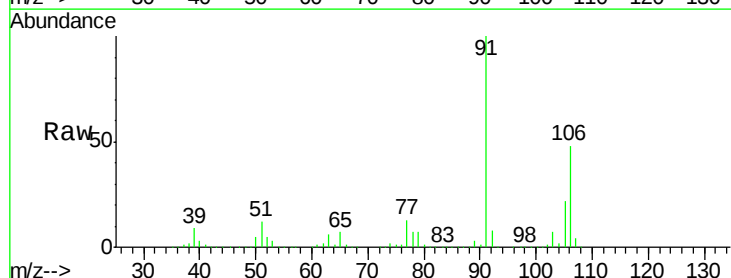
Acq: 24 Mar 2019 20:44

Tgt Ion: 106 Resp: 432792

Ion Ratio Lower Upper

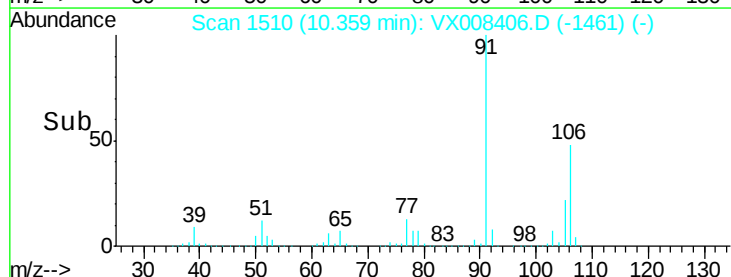
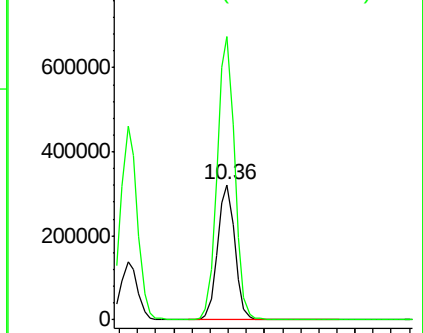
106 100

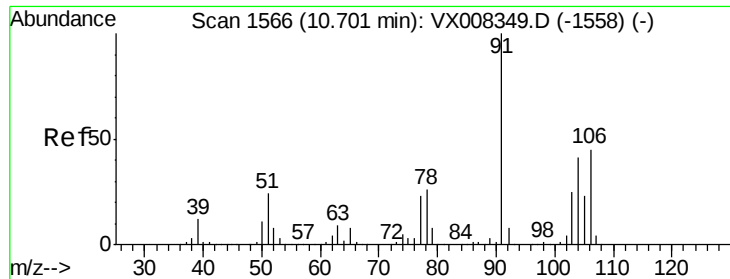
91 211.0 159.8 239.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





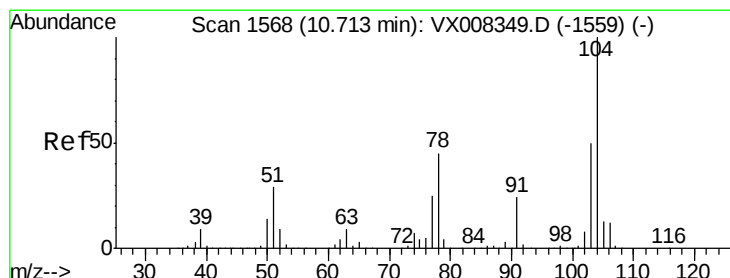
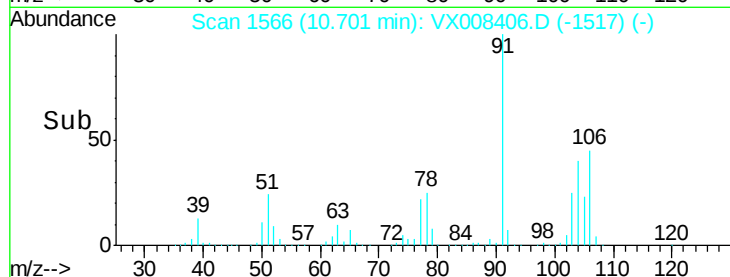
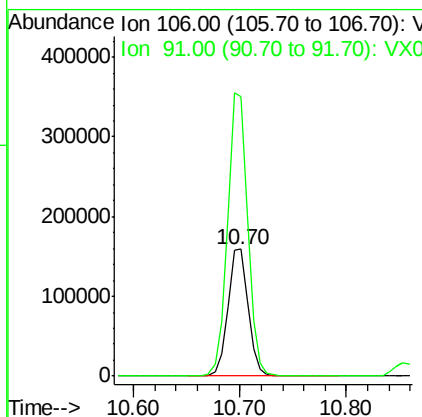
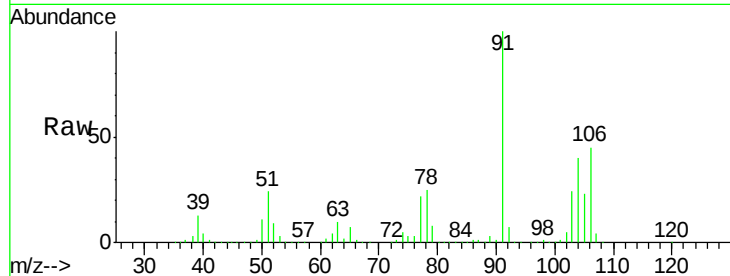
#69
o-Xylene
Concen: 49.456 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX008406.D
Acq: 24 Mar 2019 20:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	221.9	106.3	318.9

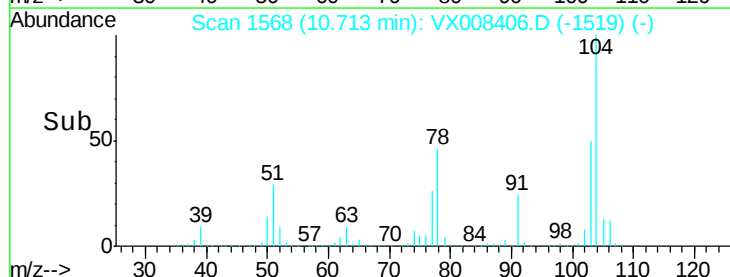
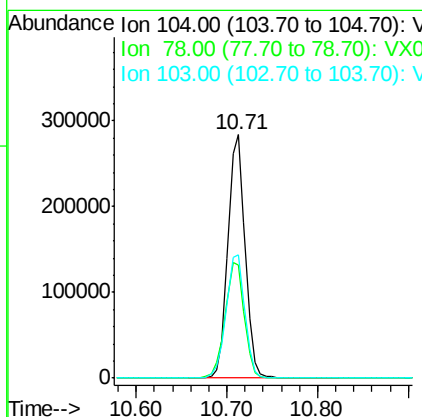
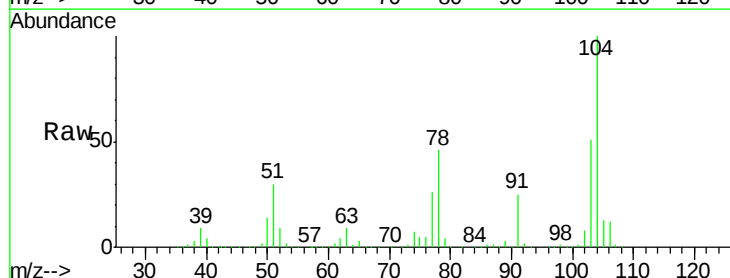
Manual Integrations
APPROVED

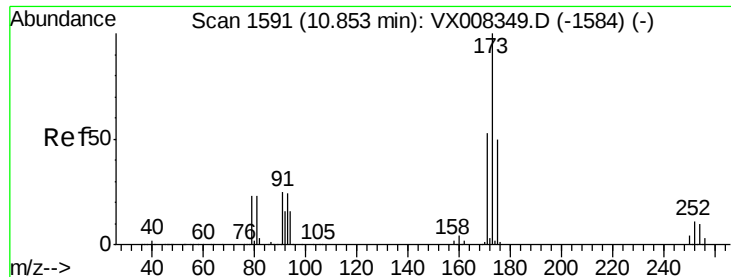
MMDadoda
3/25/2019 11:24:48 AM



#70
Styrene
Concen: 50.145 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008406.D
Acq: 24 Mar 2019 20:44

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.1	38.5	57.7
103	55.5	44.1	66.1





#71

Bromoform

Concen: 53.189 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX008406.D

Acq: 24 Mar 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 92806

Ion Ratio Lower Upper

173 100

175 49.0 24.3 72.9

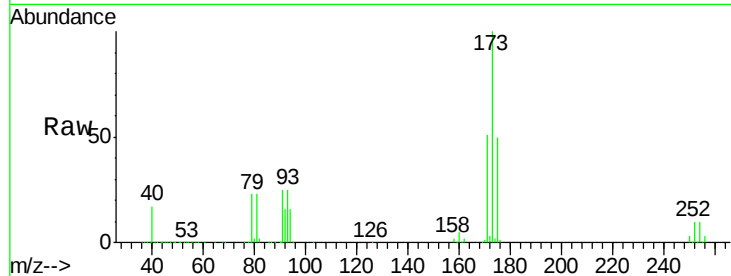
254 0.2 0.1 0.1#

Manual Integrations

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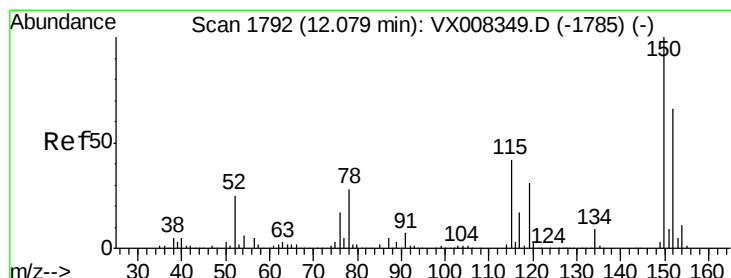
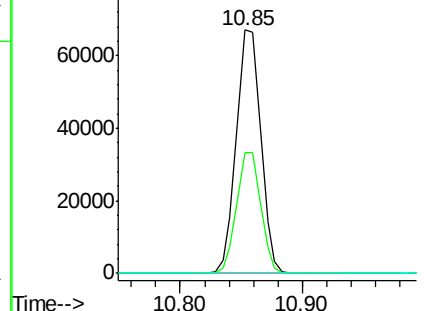
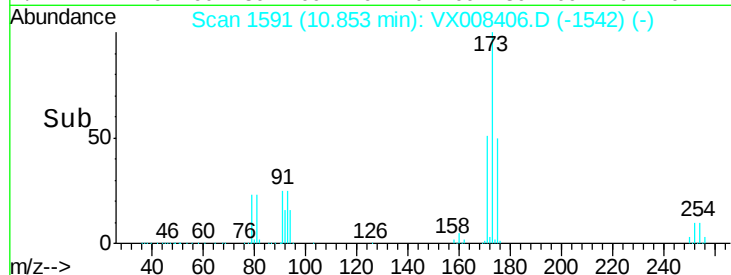
3/25/2019 11:24:48 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008406.D

Acq: 24 Mar 2019 20:44

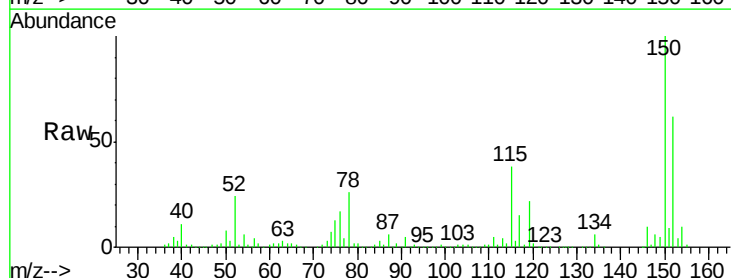
Tgt Ion:152 Resp: 148352

Ion Ratio Lower Upper

152 100

115 85.4 38.6 115.7

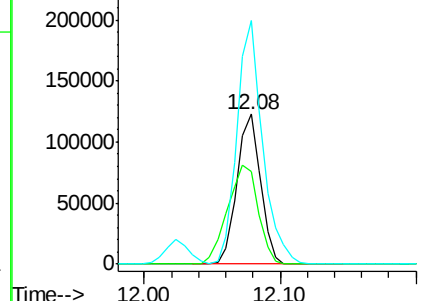
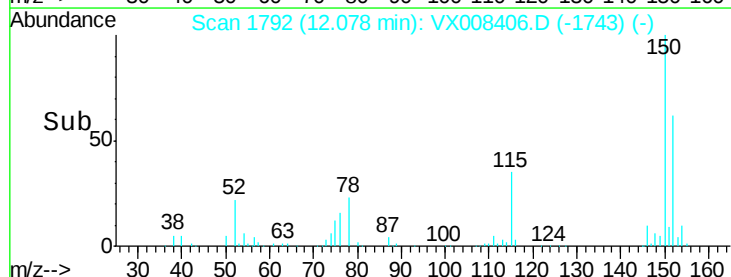
150 176.0 0.0 348.4

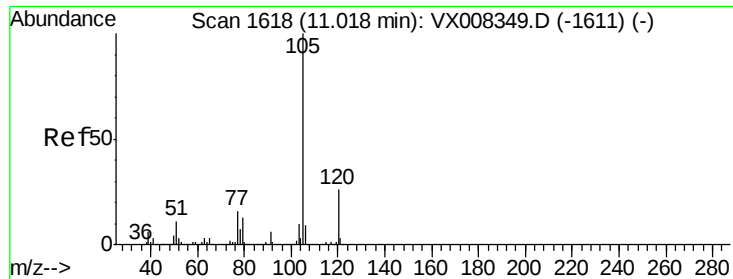


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.383 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008406.D

Acq: 24 Mar 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 554745

Ion Ratio Lower Upper

105 100

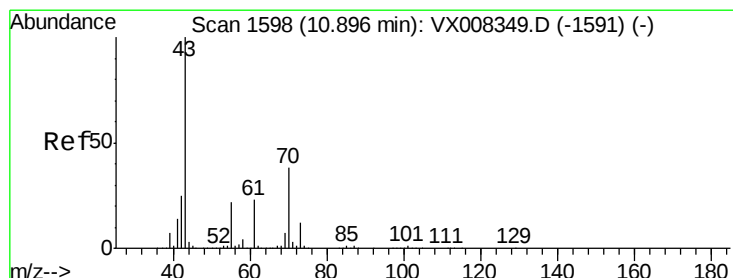
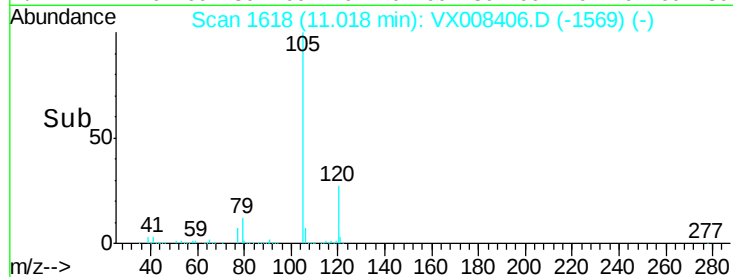
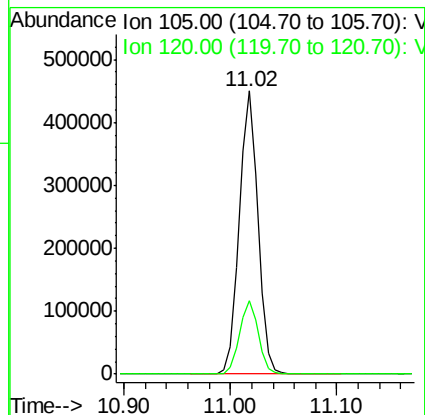
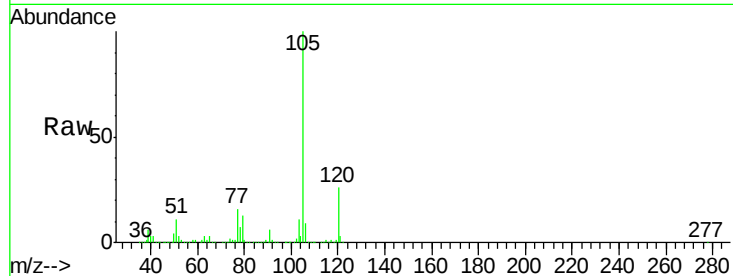
120 25.9 13.4 40.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 51.370 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008406.D

Acq: 24 Mar 2019 20:44

Tgt Ion: 43 Resp: 352118

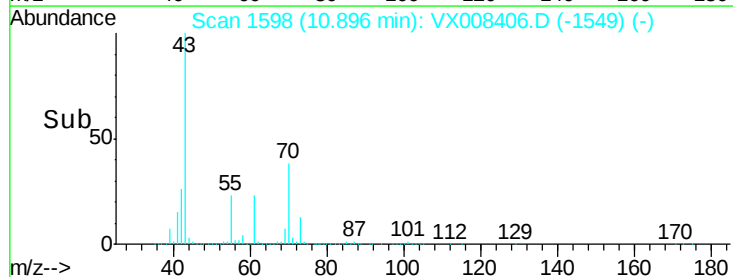
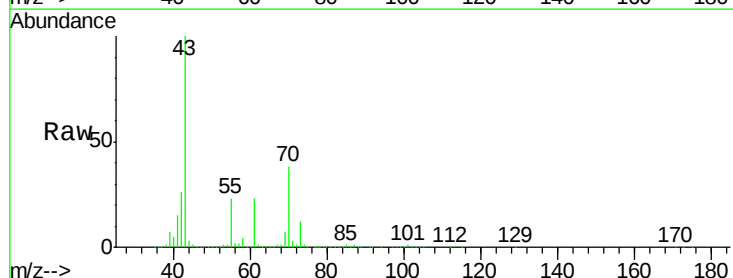
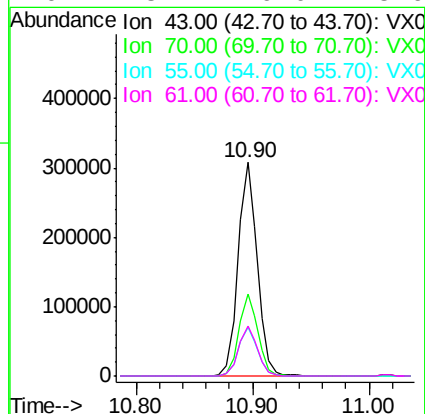
Ion Ratio Lower Upper

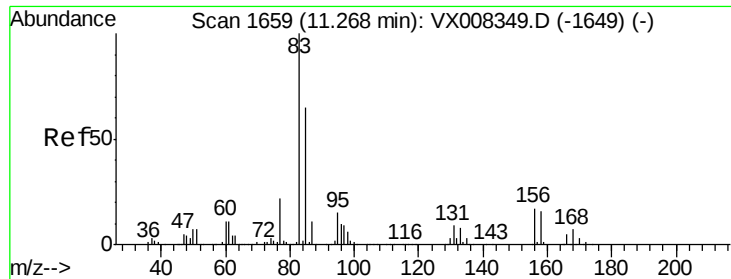
43 100

70 38.0 33.5 50.3

55 22.8 19.2 28.8

61 23.2 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 47.905 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008406.D

Acq: 24 Mar 2019 20:44

Instrument :

MSVOA_X

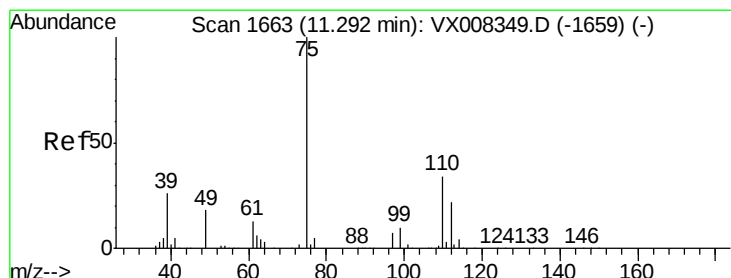
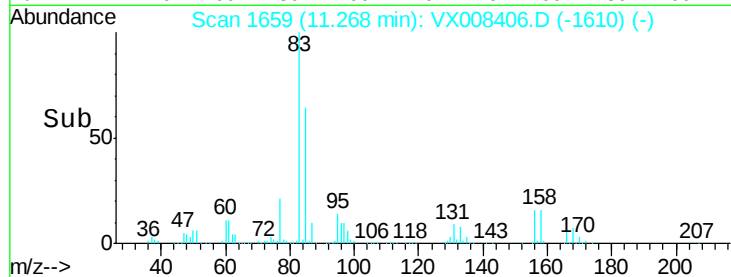
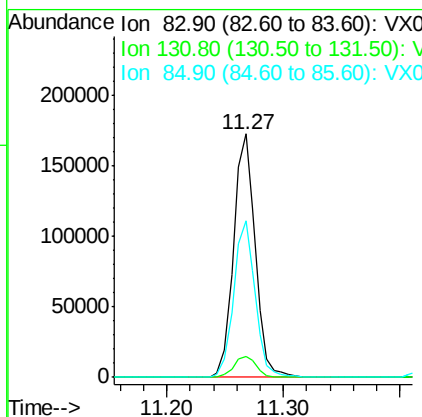
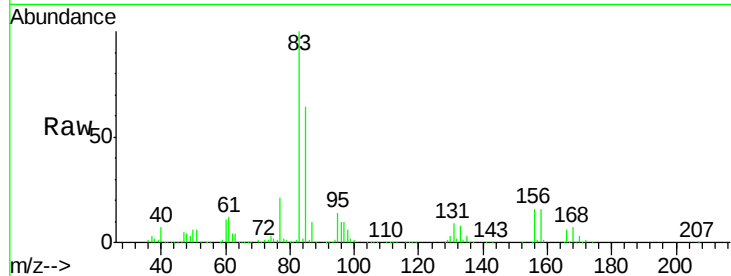
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	223402
Ion Ratio	Lower	Upper	
83	100		
131	9.0	5.4	16.2
85	63.9	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 46.937 ug/l m

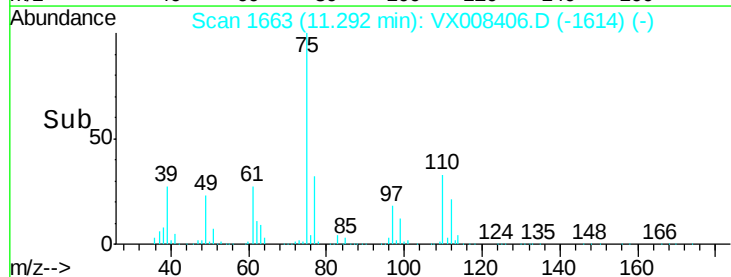
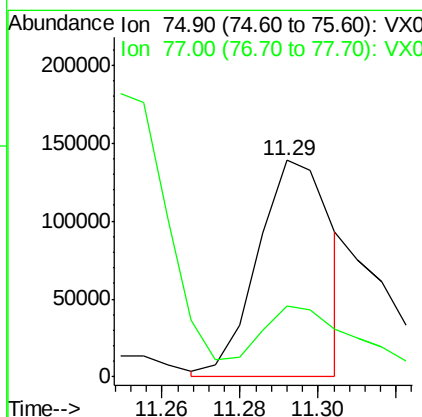
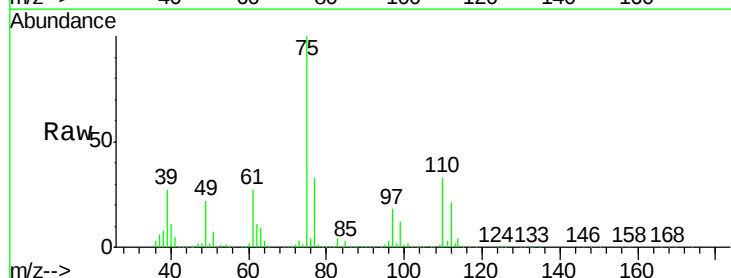
RT: 11.29 min Scan# 1663

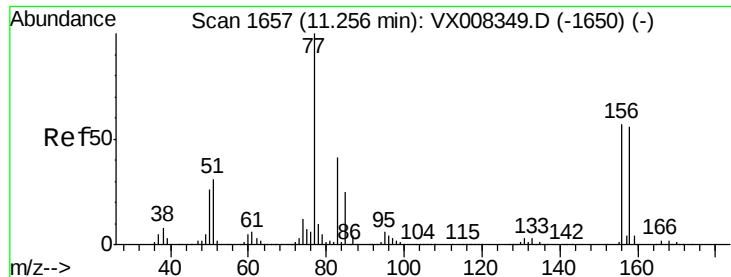
Delta R.T. -0.00 min

Lab File: VX008406.D

Acq: 24 Mar 2019 20:44

Tgt Ion:	75	Resp:	182262
Ion Ratio	Lower	Upper	
75	100		
77	44.0	18.9	56.7





#77

Bromobenzene

Concen: 47.967 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008406.D

Acq: 24 Mar 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 132879

Ion Ratio Lower Upper

156 100

77 182.3

158 96.7

72.0 215.9

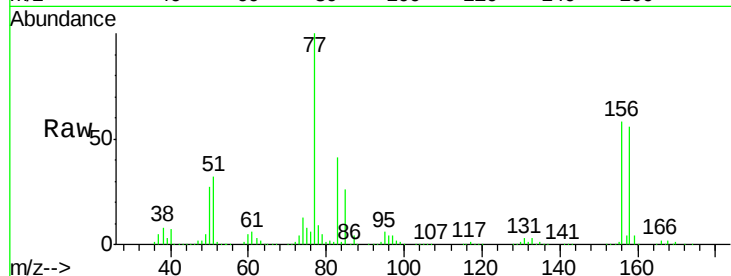
48.6 145.9

Manual Integrations

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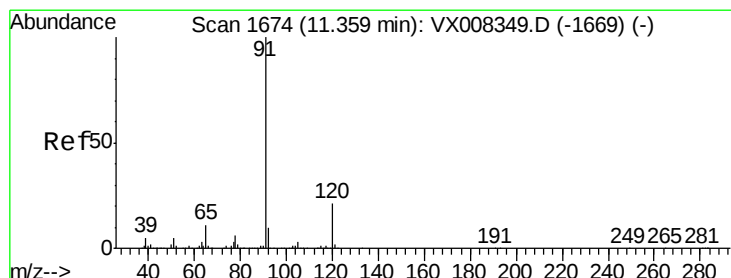
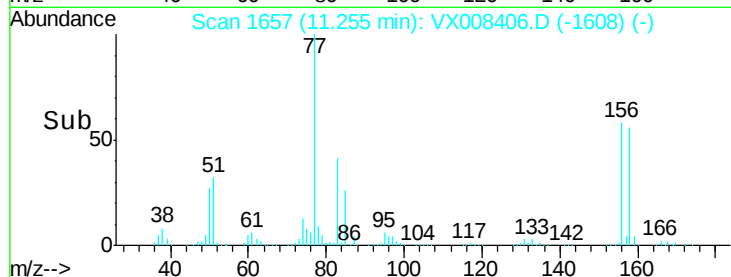
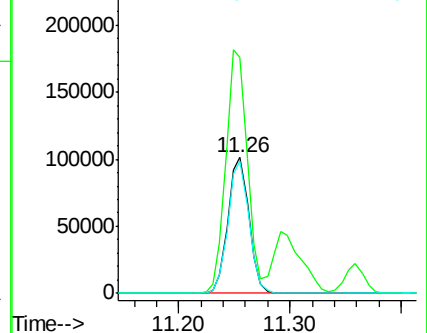
3/25/2019 11:24:48 AM



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: 48.305 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008406.D

Acq: 24 Mar 2019 20:44

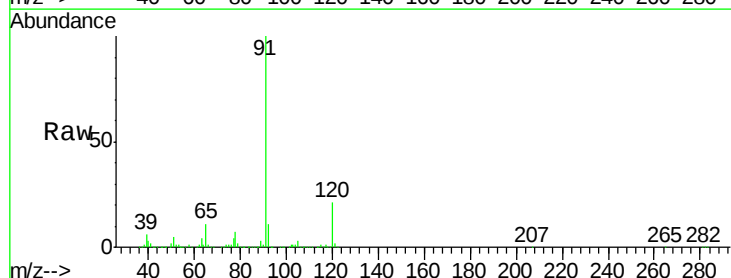
Tgt Ion: 91 Resp: 662837

Ion Ratio Lower Upper

91 100

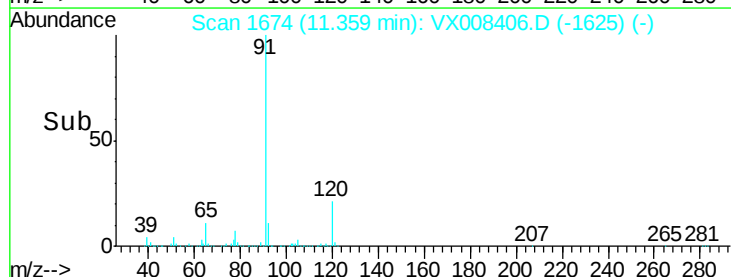
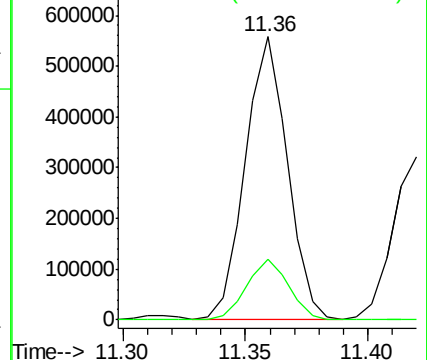
120 21.3

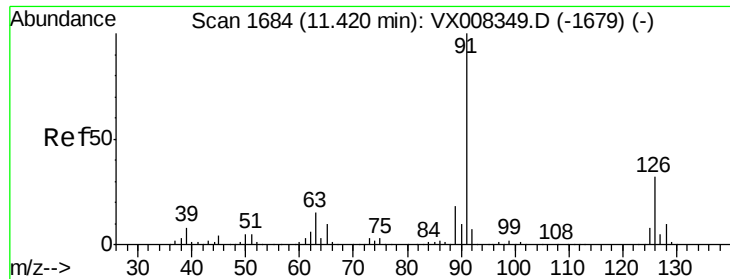
12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.318 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008406.D

Acq: 24 Mar 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 395512

Ion Ratio Lower Upper

91 100

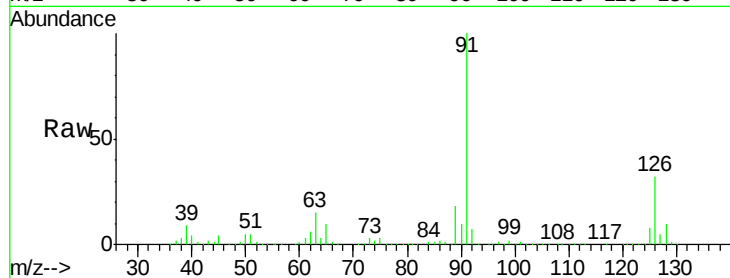
126 31.7 17.5 52.6

Manual Integrations

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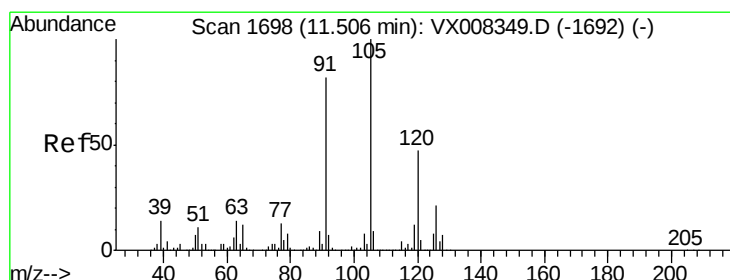
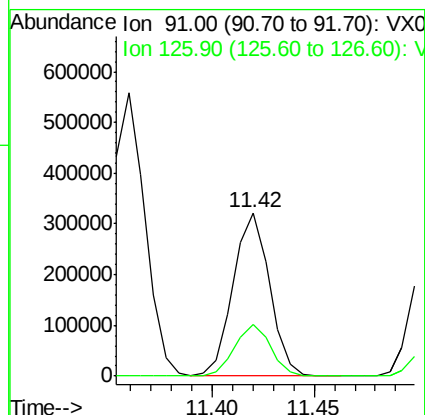
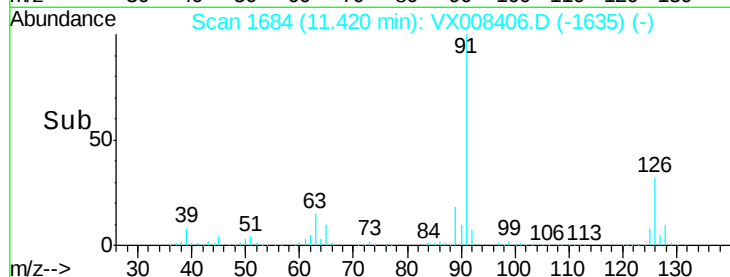
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Abundance Ion 91.00 (90.70 to 91.70): VX008406.D (-1635) (-)

Ion 125.90 (125.60 to 126.60): VX008406.D (-1635) (-)



#80

1,3,5-Trimethylbenzene

Concen: 47.979 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008406.D

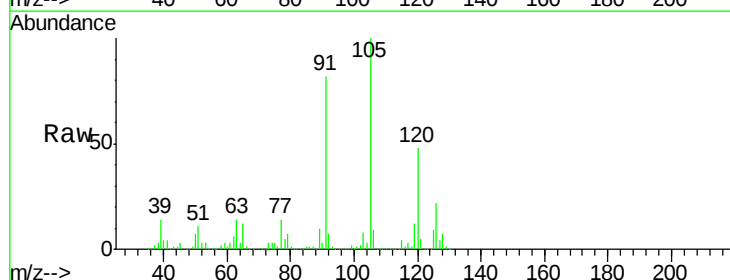
Acq: 24 Mar 2019 20:44

Tgt Ion: 105 Resp: 477851

Ion Ratio Lower Upper

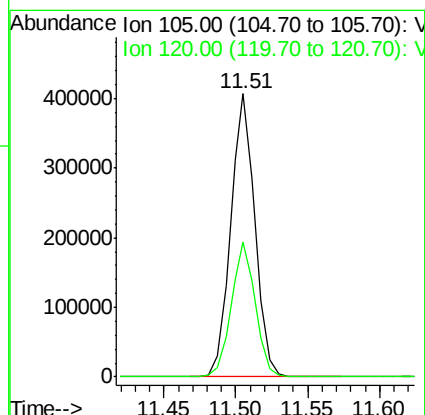
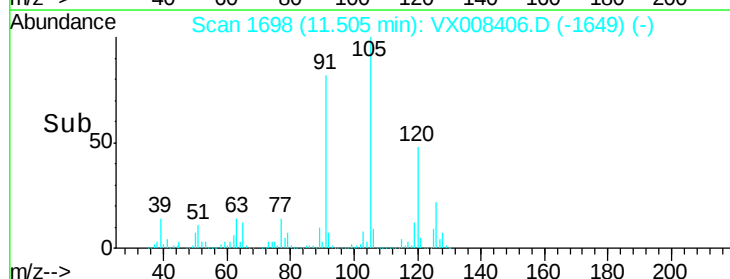
105 100

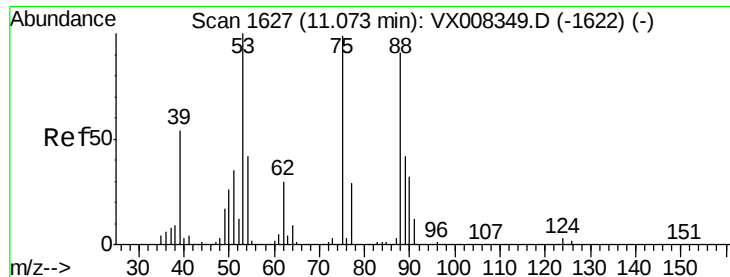
120 47.3 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VX008406.D (-1649) (-)

Ion 120.00 (119.70 to 120.70): VX008406.D (-1649) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 48.455 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008406.D

Acq: 24 Mar 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 66026

Ion Ratio Lower Upper

75 100

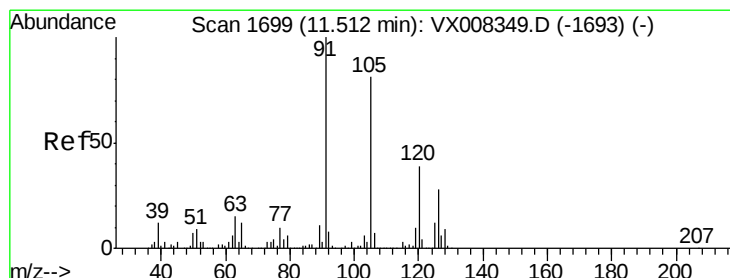
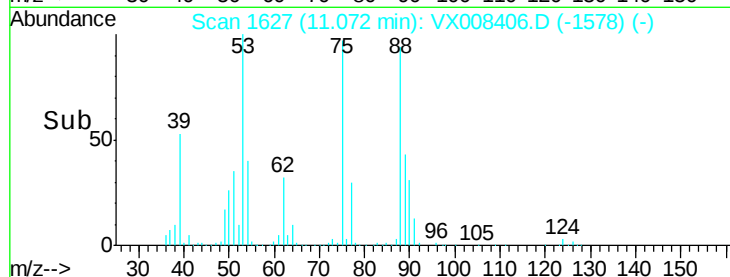
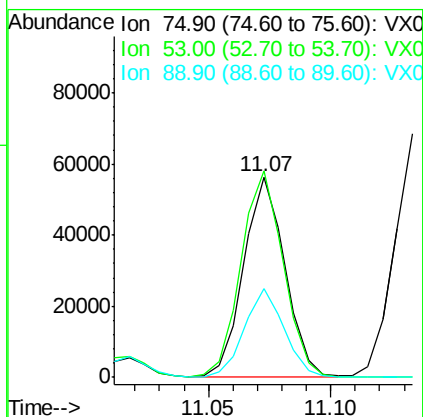
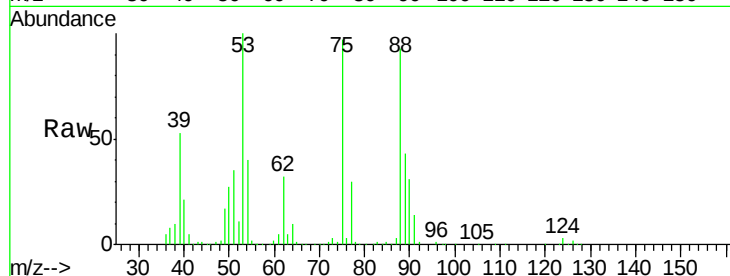
53 105.6 76.1 114.1

89 43.3 36.3 54.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 47.555 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX008406.D

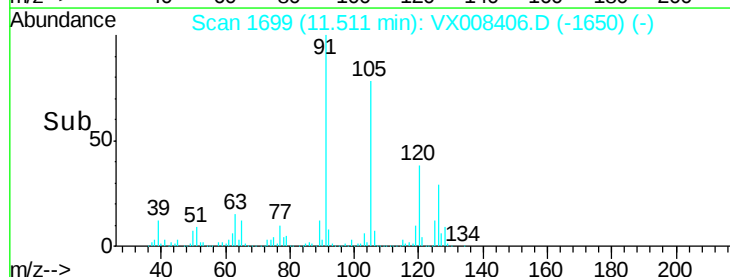
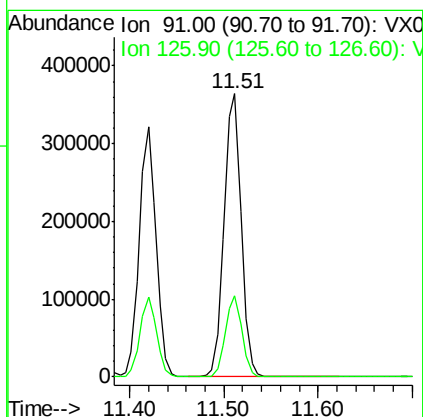
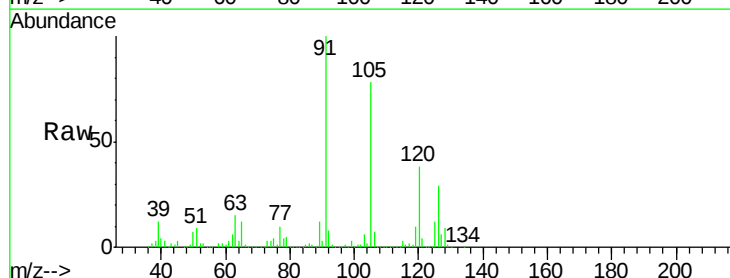
Acq: 24 Mar 2019 20:44

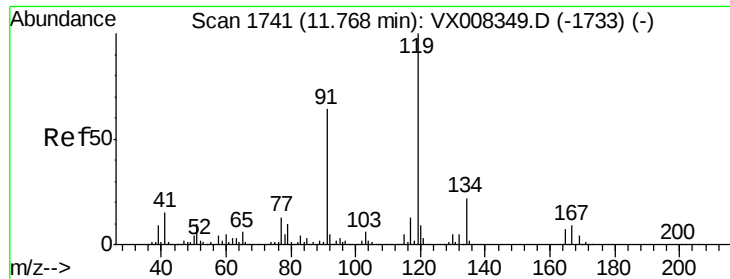
Tgt Ion: 91 Resp: 458017

Ion Ratio Lower Upper

91 100

126 27.9 15.6 46.8





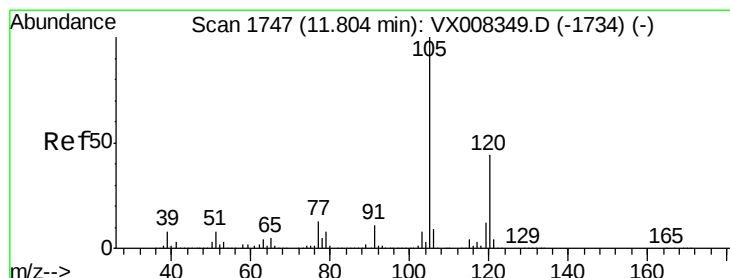
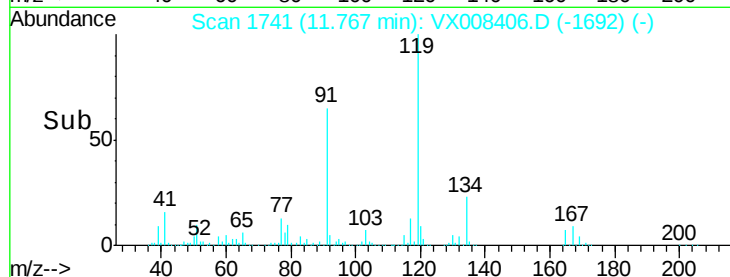
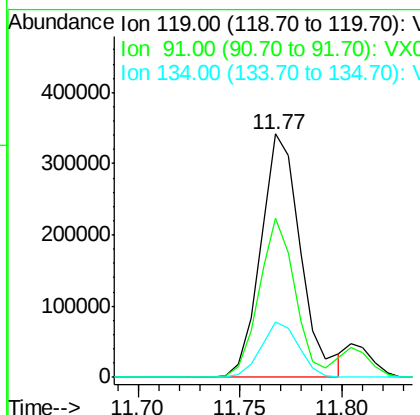
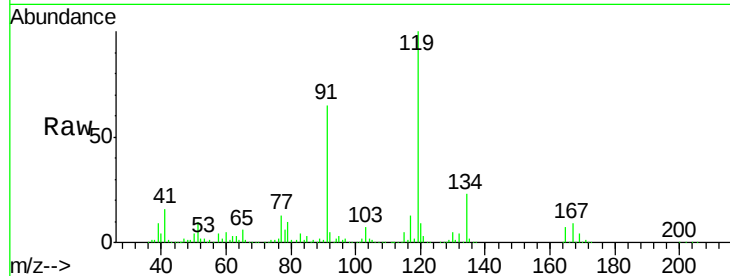
#83
tert-Butylbenzene
Concen: 49.163 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX008406.D
Acq: 24 Mar 2019 20:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.9	27.1	81.3
134	21.4	11.4	34.1

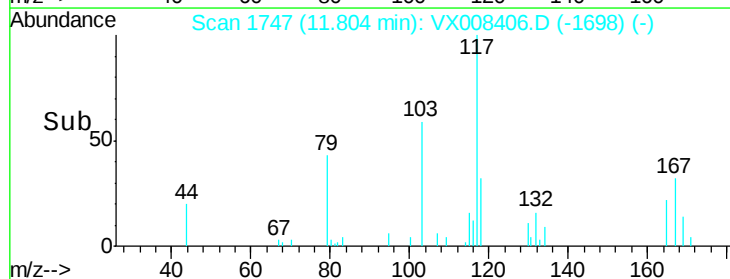
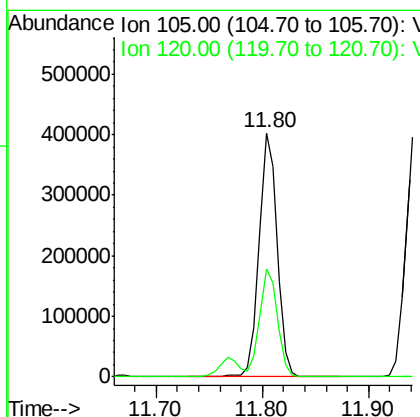
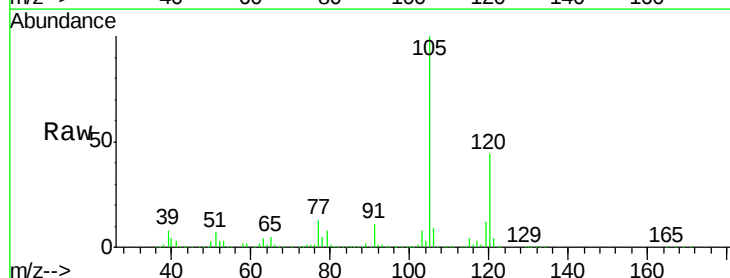
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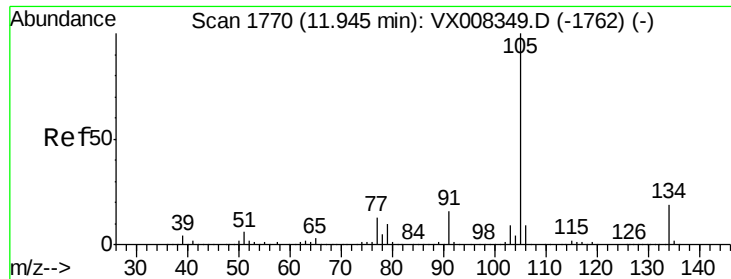
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#84
1,2,4-Trimethylbenzene
Concen: 48.361 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX008406.D
Acq: 24 Mar 2019 20:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.6	67.7





#85

sec-Butylbenzene

Concen: 48.027 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008406.D

Acq: 24 Mar 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 545906

Ion Ratio Lower Upper

105 100

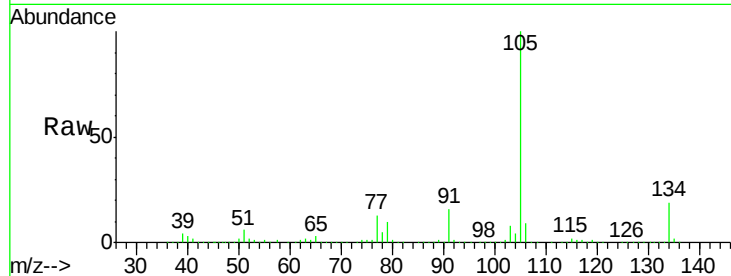
134 18.9 10.4 31.2

Manual Integrations

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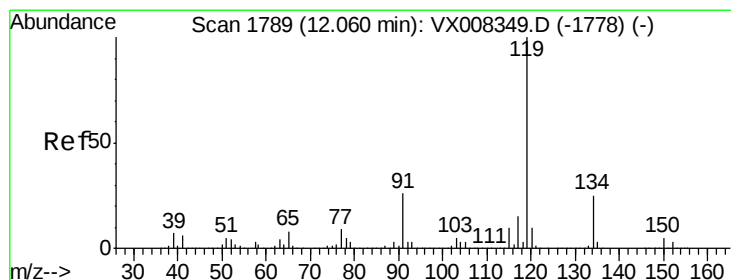
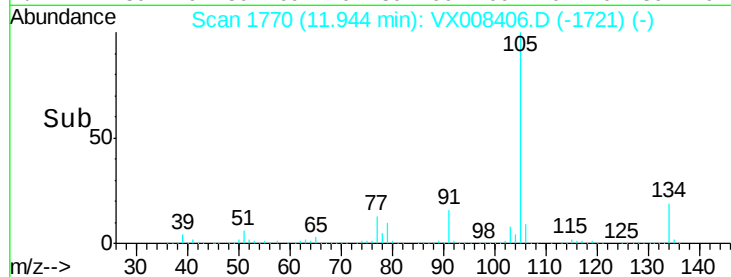
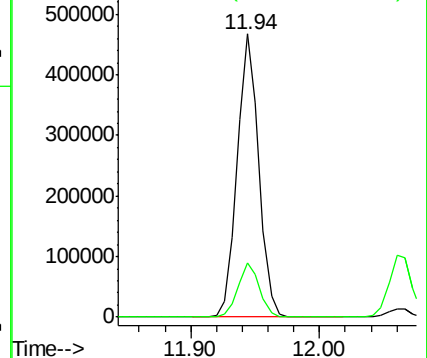
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.886 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008406.D

Acq: 24 Mar 2019 20:44

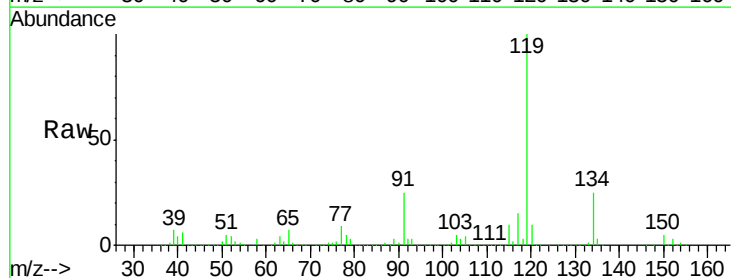
Tgt Ion:119 Resp: 489777

Ion Ratio Lower Upper

119 100

134 25.4 13.3 39.9

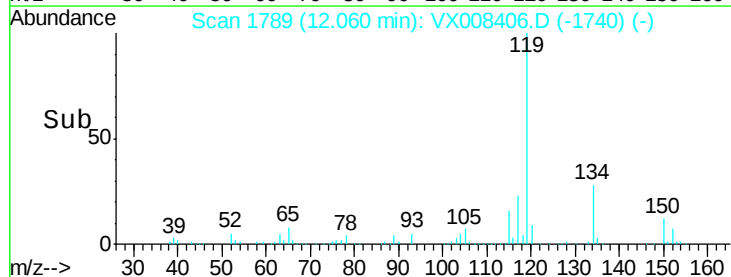
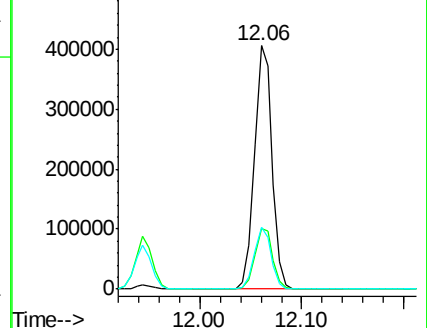
91 24.5 10.9 32.7

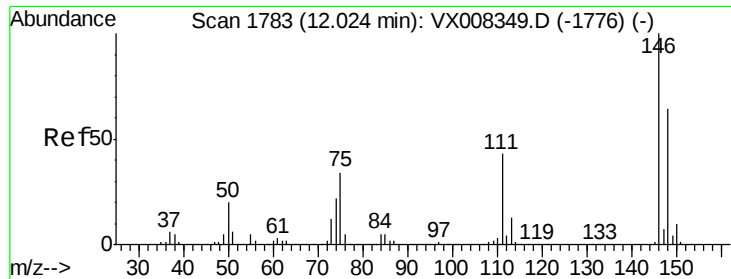


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





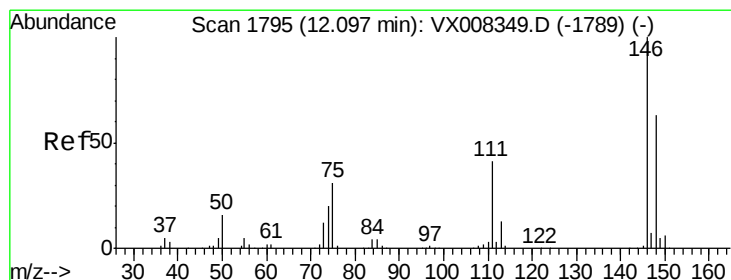
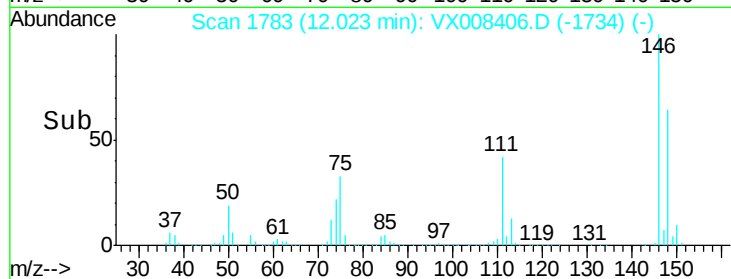
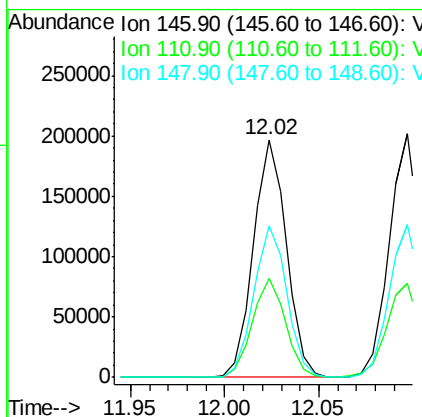
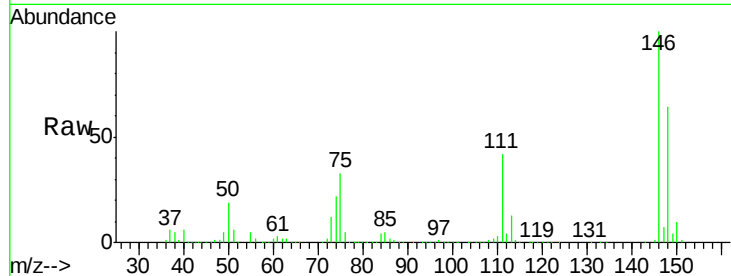
#87
 1,3-Dichlorobenzene
 Concen: 47.966 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008406.D
 Acq: 24 Mar 2019 20:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	18.9	56.7
148	63.6	31.7	95.1

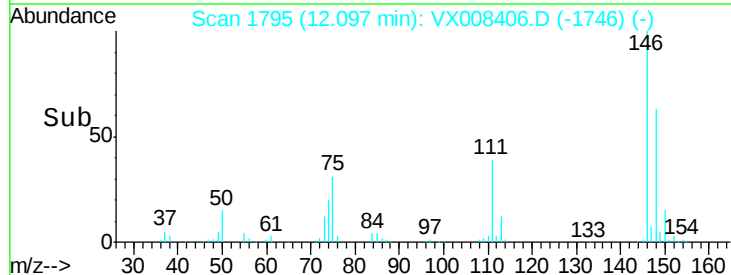
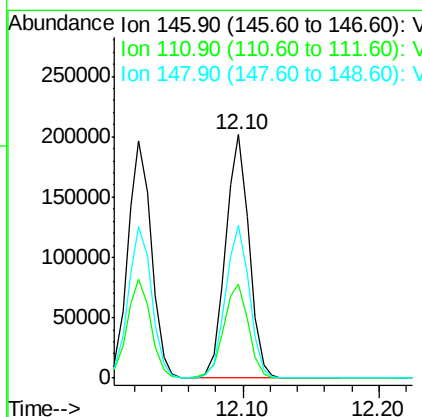
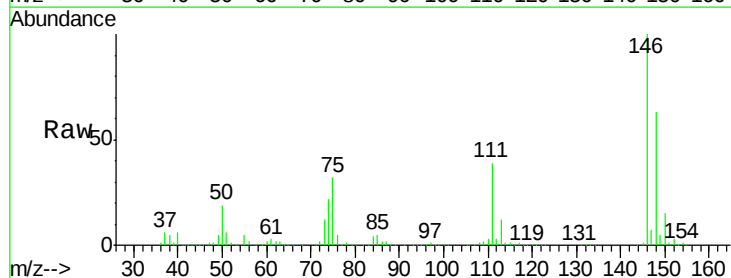
Manual Integrations
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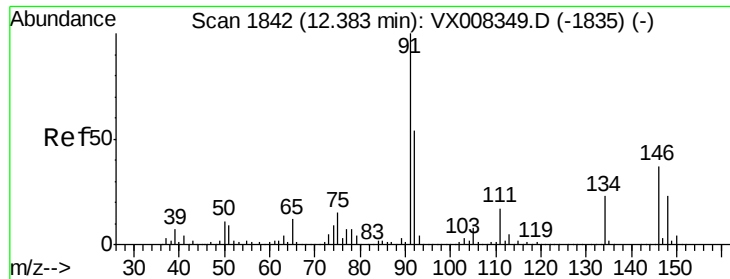
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 47.529 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008406.D
 Acq: 24 Mar 2019 20:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	18.4	55.0
148	63.8	32.2	96.6





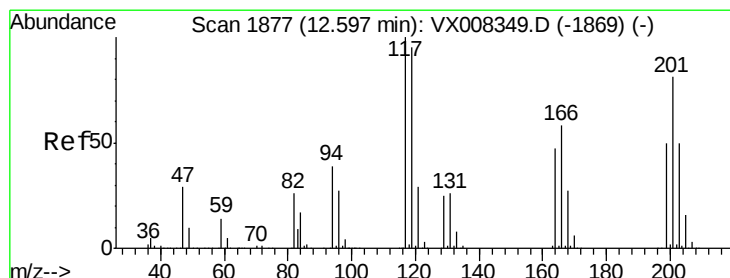
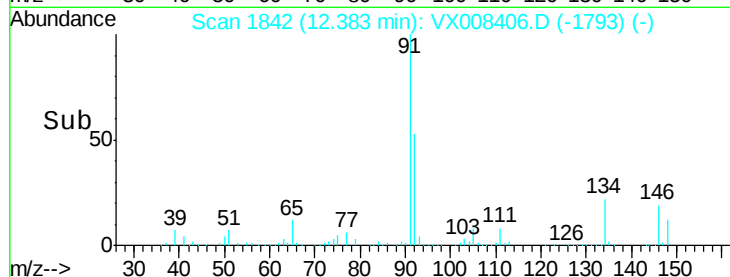
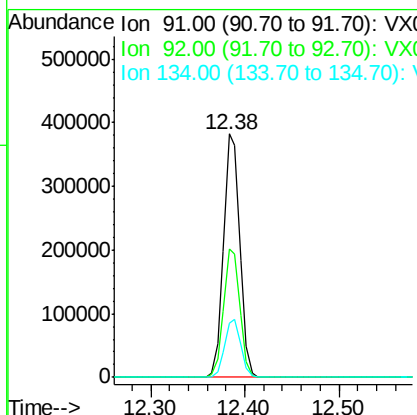
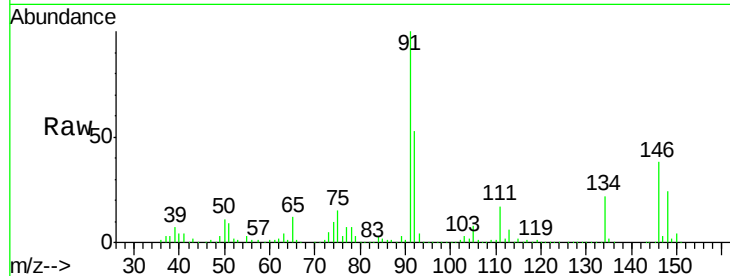
#89
n-Butylbenzene
Concen: 47.748 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008406.D
Acq: 24 Mar 2019 20:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		456690		
92	52.8	27.0	80.8		
134	23.6	13.7	41.0		

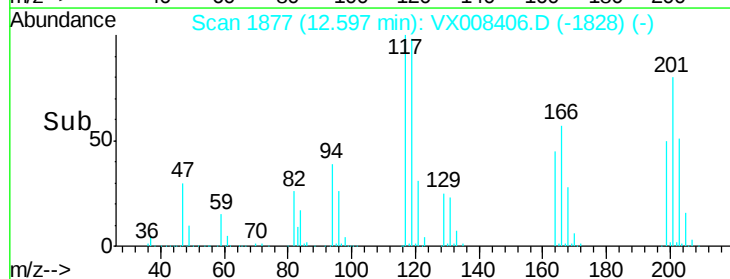
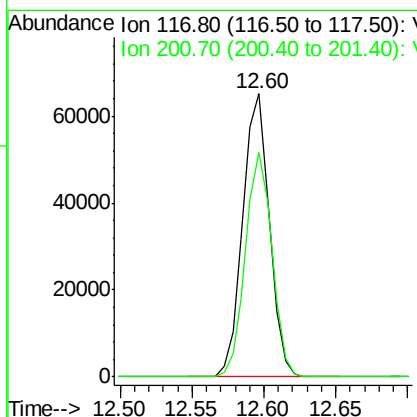
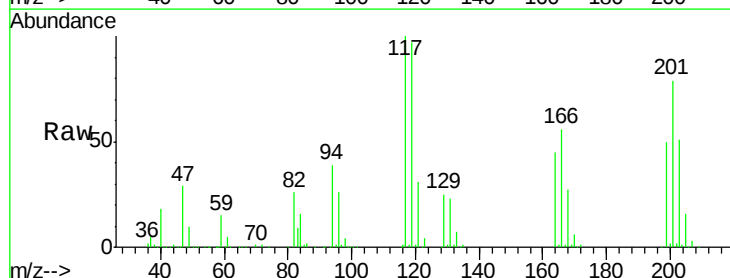
Manual Integrations
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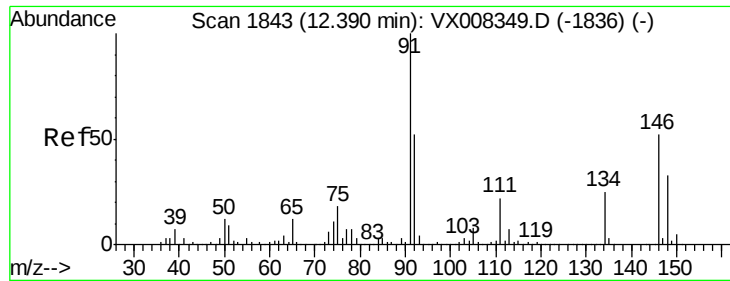
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#90
Hexachloroethane
Concen: 50.328 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008406.D
Acq: 24 Mar 2019 20:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		83290		
201	78.8	48.9	146.7		





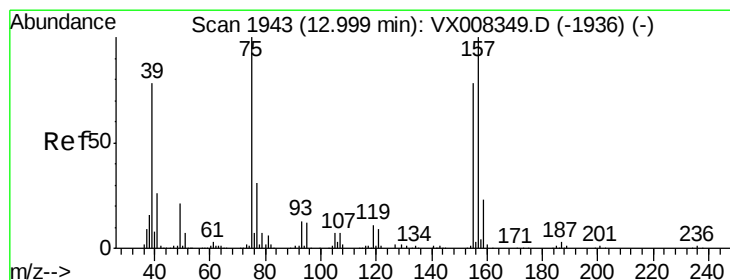
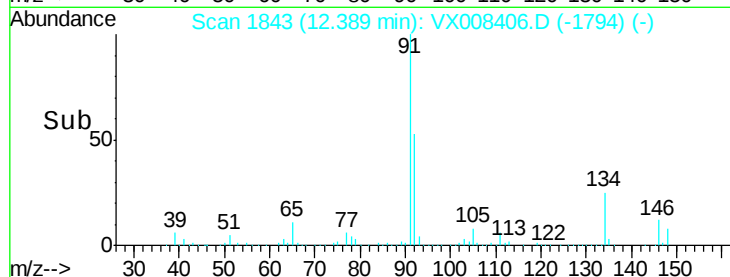
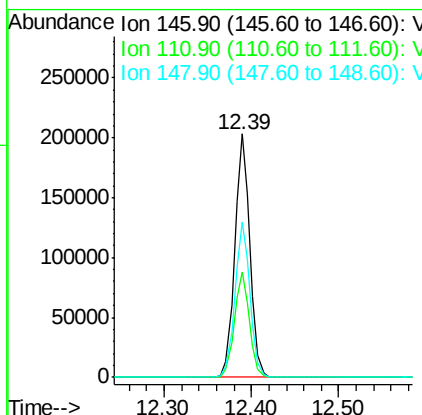
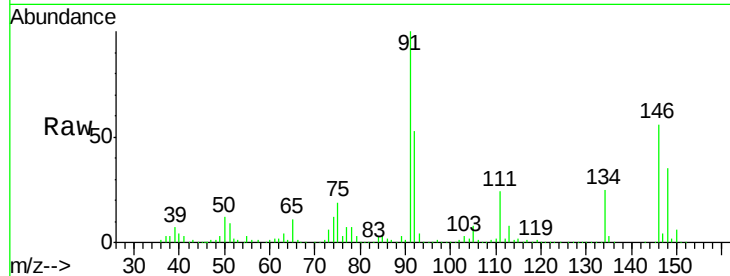
#91
 1,2-Dichlorobenzene
 Concen: 48.594 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008406.D
 Acq: 24 Mar 2019 20:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	19.6	58.8
148	63.8	31.9	95.5

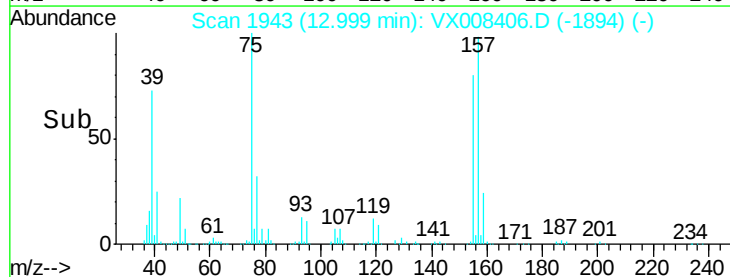
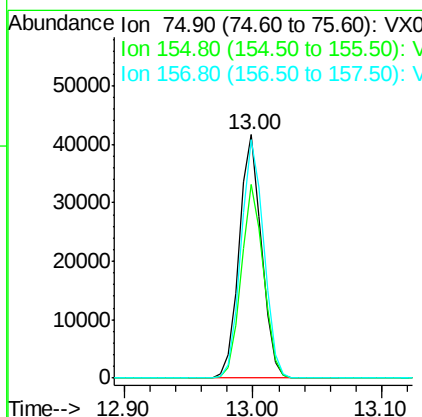
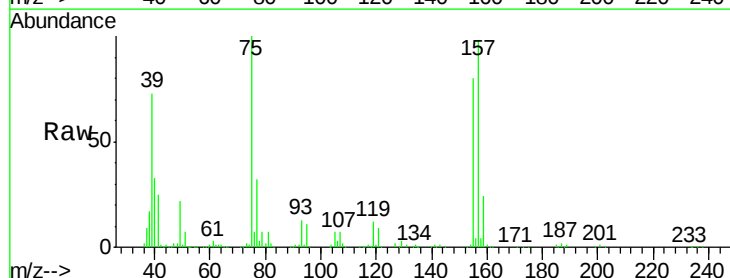
Manual Integrations
 APPROVED

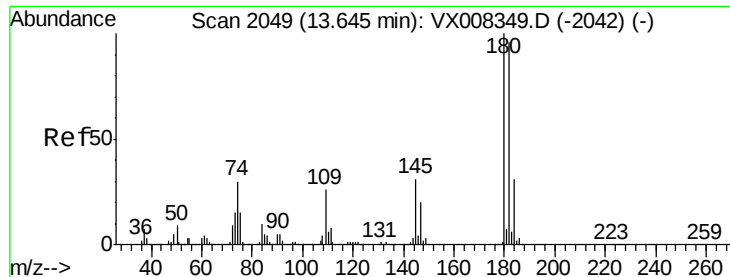
MMDadoda
 3/25/2019 11:24:48 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.450 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008406.D
 Acq: 24 Mar 2019 20:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.9	49.7	149.1
157	98.9	63.8	191.4





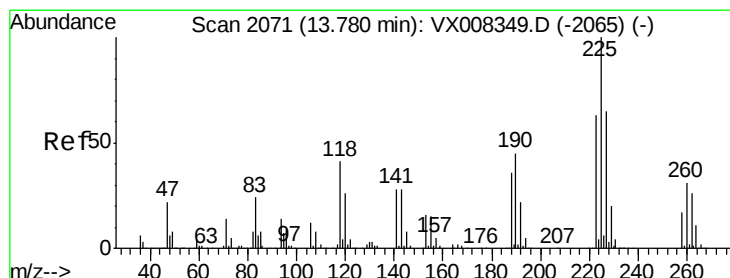
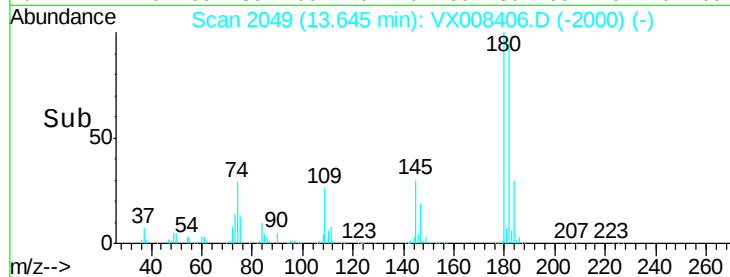
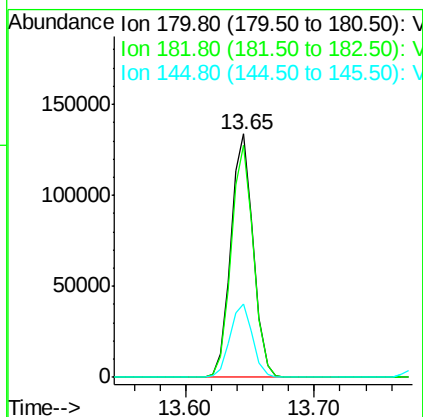
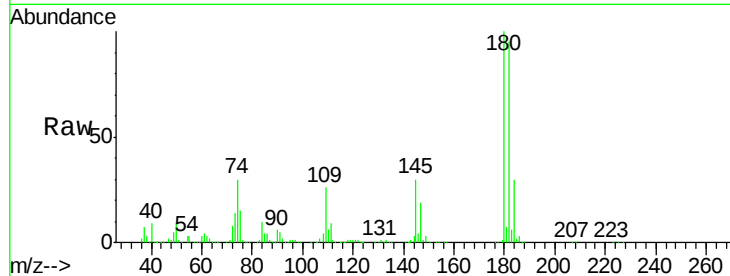
#93
1,2,4-Trichlorobenzene
Concen: 47.689 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX008406.D
Acq: 24 Mar 2019 20:44

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	162047		
182	95.0	47.9	143.7	
145	30.5	14.1	42.4	

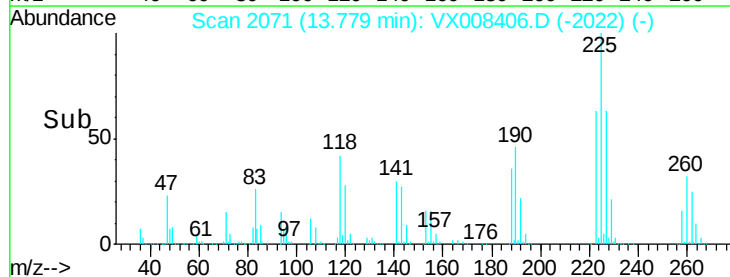
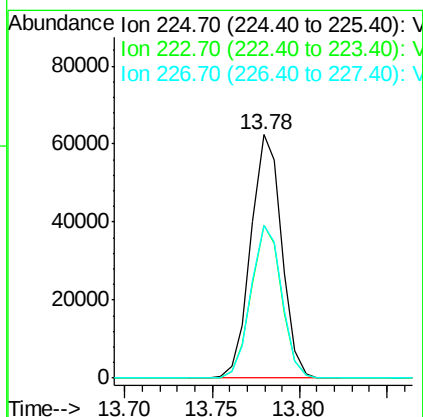
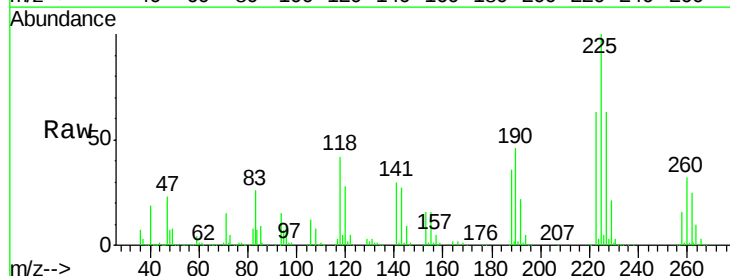
Manual Integrations
APPROVED

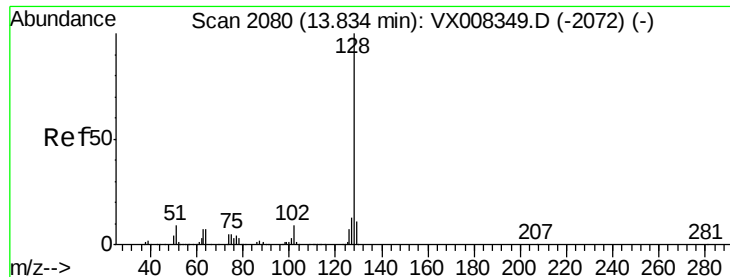
MMDadoda
3/25/2019 11:24:48 AM



#94
Hexachlorobutadiene
Concen: 47.804 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VX008406.D
Acq: 24 Mar 2019 20:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	76766		
223	62.1	31.1	93.2	
227	62.8	32.0	96.0	





#95

Naphthalene

Concen: 48.538 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008406.D

Acq: 24 Mar 2019 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:128 Resp: 579178

Ion Ratio Lower Upper

128 100

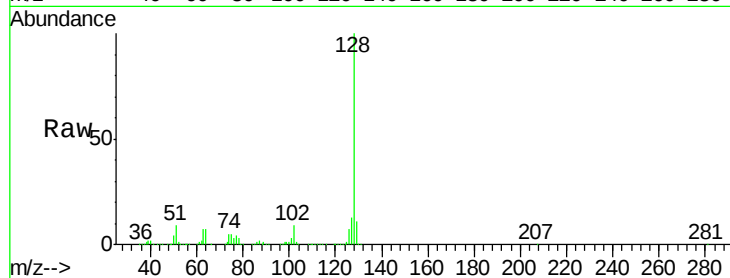
127 12.8 10.3 15.5

129 10.8 8.7 13.1

Manual Integrations
APPROVED

MMDadoda

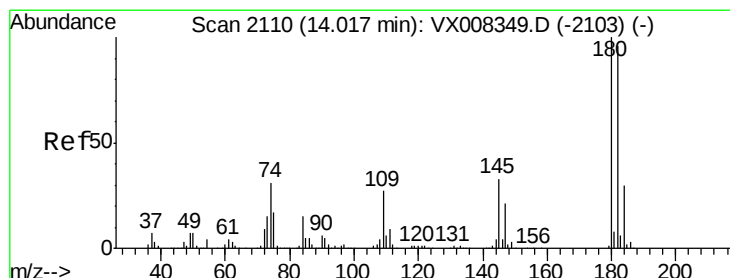
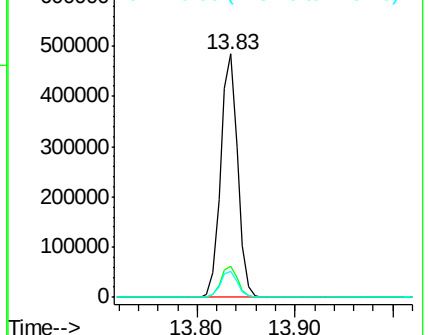
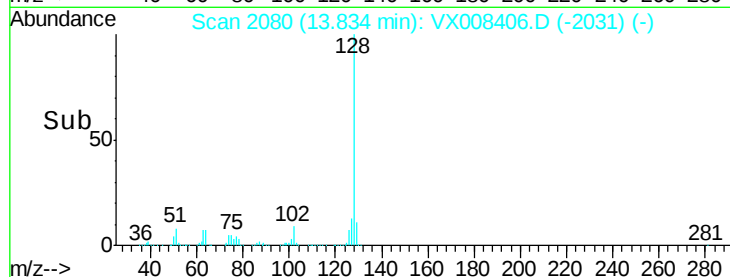
3/25/2019 11:24:48 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 47.448 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX008406.D

Acq: 24 Mar 2019 20:44

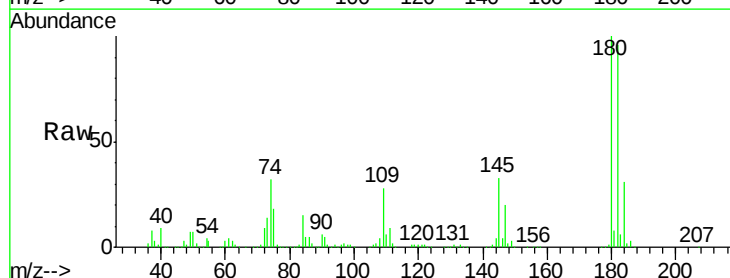
Tgt Ion:180 Resp: 162689

Ion Ratio Lower Upper

180 100

182 95.7 47.5 142.5

145 32.9 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

