

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042419\
 Data File : VX009143.D
 Acq On : 24 Apr 2019 14:24
 Operator : JC/SP
 Sample : K2535-02MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MS

Manual Integrations
 APPROVED

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 4/25/2019 12:34:26 PM

Quant Time: Apr 25 06:52:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	175531	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	289027	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	253049	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	122536	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	127112	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	
35) Dibromofluoromethane	5.50	113	95203	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
50) Toluene-d8	8.71	98	367153	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
62) 4-Bromofluorobenzene	11.13	95	131199	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	112340	55.565	ug/l	99
3) Chloromethane	1.32	50	129149	52.032	ug/l	99
4) Vinyl Chloride	1.41	62	130884	54.178	ug/l	99
5) Bromomethane	1.64	94	72245	47.928	ug/l	99
6) Chloroethane	1.71	64	79360	55.864	ug/l	97
7) Trichlorofluoromethane	1.92	101	156177	55.370	ug/l	100
8) Diethyl Ether	2.19	74	70590	54.724	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	98954	54.871	ug/l	99
10) Methyl Iodide	2.51	142	102487	51.802	ug/l	100
11) Tert butyl alcohol	3.06	59	152601	277.910	ug/l	98
12) 1,1-Dichloroethene	2.37	96	98979	52.582	ug/l	97
13) Acrolein	2.29	56	103499	218.147	ug/l	98
14) Allyl chloride	2.73	41	232614	56.642	ug/l	100
15) Acrylonitrile	3.15	53	398341	285.777	ug/l	100
16) Acetone	2.45	43	337775	263.307	ug/l	98
17) Carbon Disulfide	2.57	76	286431	51.738	ug/l	99
18) Methyl Acetate	2.78	43	177579	55.465	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	369992	55.164	ug/l	99
20) Methylene Chloride	2.85	84	113881	51.911	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	105621	52.606	ug/l	97
22) Diisopropyl ether	3.86	45	451817	56.618	ug/l	89
23) Vinyl Acetate	3.82	43	1982071	282.554	ug/l	99
24) 1,1-Dichloroethane	3.70	63	220330	55.002	ug/l	99
25) 2-Butanone	4.68	43	582364	284.011	ug/l	99
26) 2,2-Dichloropropane	4.58	77	156526	52.127	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	122906	53.917	ug/l	98
28) Bromochloromethane	5.02	49	92257	55.665	ug/l	98
29) Tetrahydrofuran	5.13	42	393975	287.062	ug/l	99
30) Chloroform	5.21	83	200314	55.881	ug/l	99
31) Cyclohexane	5.58	56	219681	55.756	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	165641	55.752	ug/l	99
36) 1,1-Dichloropropene	5.80	75	154121	51.560	ug/l	99
37) Ethyl Acetate	4.84	43	213858	55.600	ug/l	100
38) Carbon Tetrachloride	5.78	117	137376	54.211	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	203598	55.942	ug/l	98
40) Benzene	6.14	78	473063	53.646	ug/l	100
41) Methacrylonitrile	5.04	41	126500	57.303	ug/l	99
42) 1,2-Dichloroethane	6.20	62	169117	54.139	ug/l	99
43) Isopropyl Acetate	6.45	43	338939	54.681	ug/l	99
44) Trichloroethene	7.21	130	110047	50.933	ug/l	99
45) 1,2-Dichloropropane	7.51	63	135376	55.337	ug/l	100
46) Dibromomethane	7.66	93	76777	53.926	ug/l	99
47) Bromodichloromethane	7.90	83	154177	55.211	ug/l	99
48) Methyl methacrylate	7.77	41	172881	56.447	ug/l	99
49) 1,4-Dioxane	7.74	88	55731	972.203	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	1123232	284.443	ug/l	99
52) Toluene	8.79	92	277521	52.512	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	177322	55.176	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	195793	54.409	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	114930	54.870	ug/l	98
56) Ethyl methacrylate	9.18	69	206059	54.865	ug/l	98
57) 1,3-Dichloropropane	9.37	76	203834	54.656	ug/l	99
59) 2-Hexanone	9.49	43	857814	281.758	ug/l	99
60) Dibromochloromethane	9.58	129	112984	56.282	ug/l	99
61) 1,2-Dibromoethane	9.67	107	116744	54.004	ug/l	99
64) Tetrachloroethene	9.34	164	94153	48.978	ug/l	99
65) Chlorobenzene	10.13	112	281420	52.689	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	104187	55.371	ug/l	100
67) Ethyl Benzene	10.25	91	523702	53.637	ug/l	99
68) m/p-Xylenes	10.36	106	381680	107.563	ug/l	99
69) o-Xylene	10.70	106	184866	53.543	ug/l	99
70) Styrene	10.71	104	323256	54.027	ug/l	99
71) Bromoform	10.85	173	83416	55.646	ug/l #	99
73) Isopropylbenzene	11.02	105	496498	53.455	ug/l	100
74) N-amyl acetate	10.90	43	287979	53.999	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	185339	54.613	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	158693m	53.038	ug/l	
77) Bromobenzene	11.26	156	119671	51.066	ug/l	99
78) n-propylbenzene	11.36	91	575677	54.000	ug/l	100
79) 2-Chlorotoluene	11.42	91	338132	52.635	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	416518	53.440	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	62460	53.592	ug/l	97
82) 4-Chlorotoluene	11.51	91	391000	52.407	ug/l	100
83) tert-Butylbenzene	11.77	119	401283	53.625	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	418511	52.750	ug/l	99
85) sec-Butylbenzene	11.94	105	479169	53.689	ug/l	100
86) p-Isopropyltoluene	12.06	119	437287	53.293	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	210781	51.390	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	211077	50.767	ug/l	99
89) n-Butylbenzene	12.38	91	405683	53.088	ug/l	100
90) Hexachloroethane	12.60	117	74104	54.750	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	209946	51.836	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	41839	54.147	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	151767	51.910	ug/l	100

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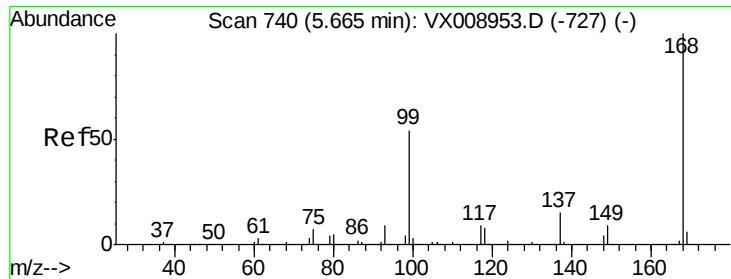
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	77141	52.902	ug/l	99
95) Naphthalene	13.83	128	502611	53.658	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	150926	52.319	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009143.D

Acq: 24 Apr 2019 14:24

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MS

Tot Ion:168 Resp: 175531

Ion Ratio Lower Upper

168 100

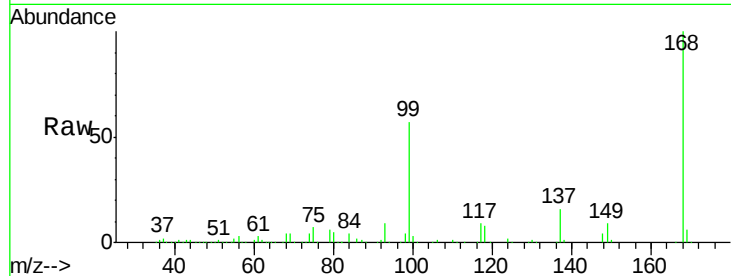
99 56.4 43.0 64.6

Manual Integrations

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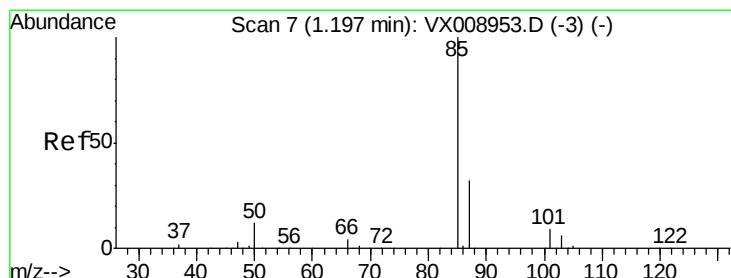
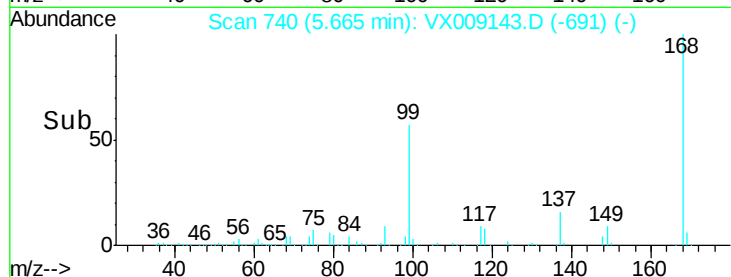
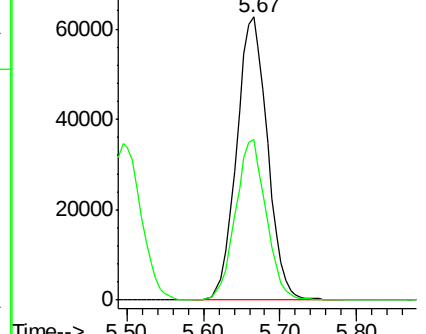
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 55.565 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009143.D

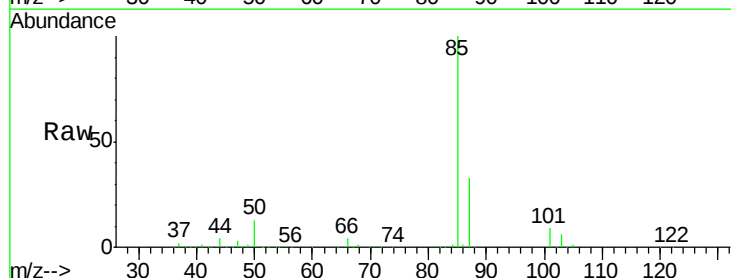
Acq: 24 Apr 2019 14:24

Tgt Ion: 85 Resp: 112340

Ion Ratio Lower Upper

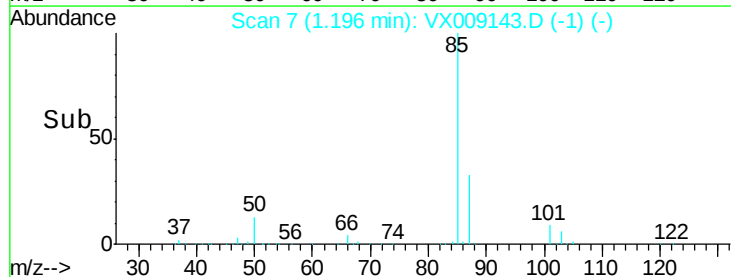
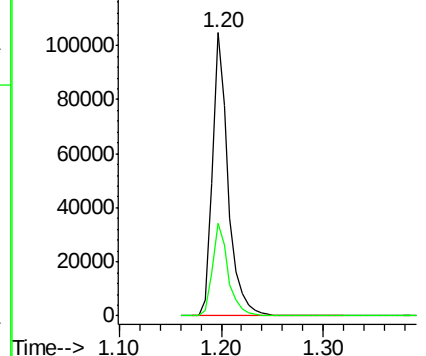
85 100

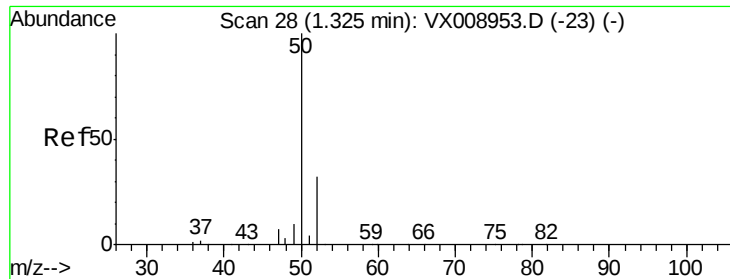
87 32.6 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 52.032 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009143.D

Acq: 24 Apr 2019 14:24

Instrument :

MSVOA_X

ClientSampled :

S37-0016MS

Tot Ion: 50 Resp: 129149

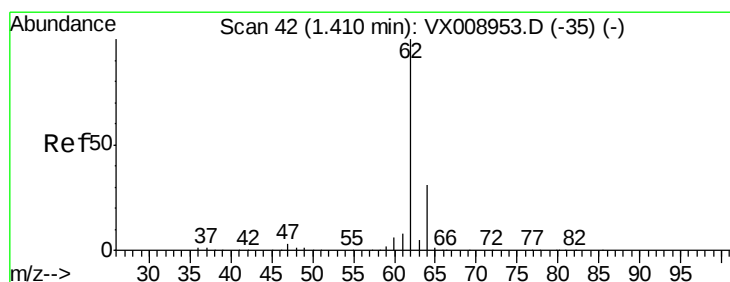
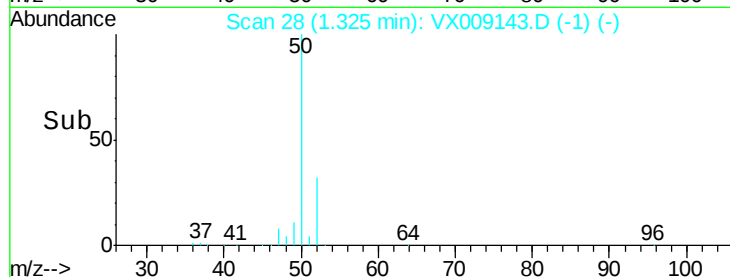
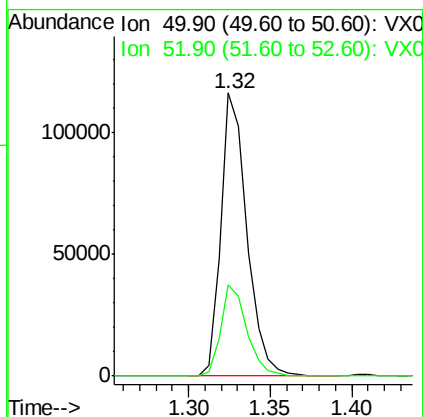
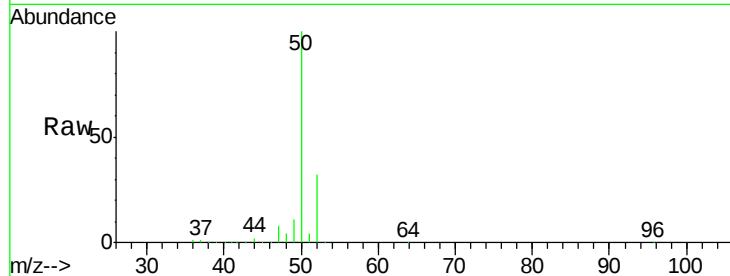
Ion Ratio Lower Upper

50 100

52 32.4 25.5 38.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 54.178 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009143.D

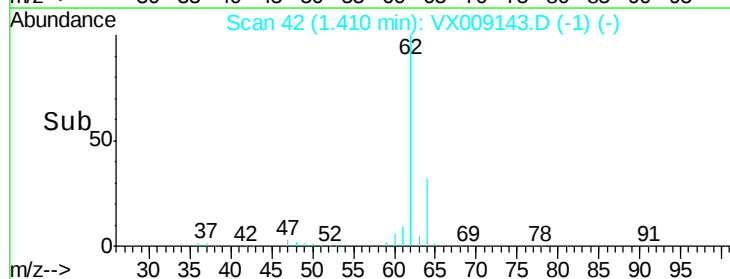
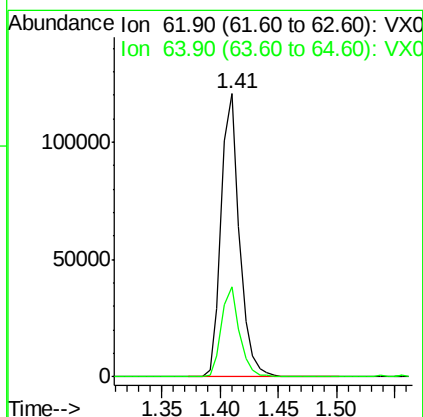
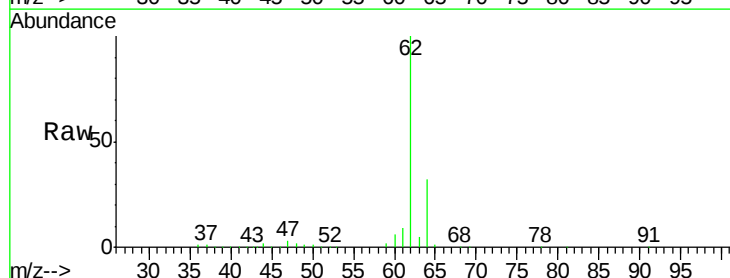
Acq: 24 Apr 2019 14:24

Tgt Ion: 62 Resp: 130884

Ion Ratio Lower Upper

62 100

64 31.7 25.0 37.4





#5

Bromomethane

Concen: 47.928 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009143.D

Acq: 24 Apr 2019 14:24

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MS

Tot Ion: 94 Resp: 72245

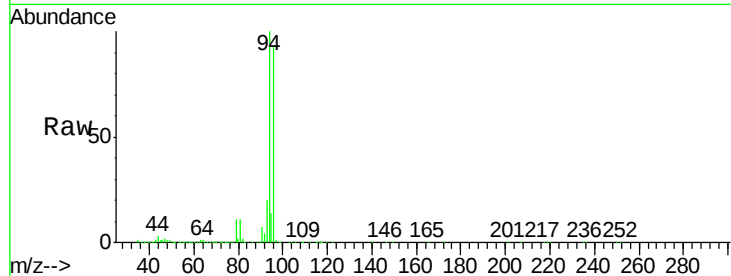
Ion Ratio Lower Upper

94 100

96 93.1 73.9 110.9

Manual Integrations
APPROVED

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

80000

60000

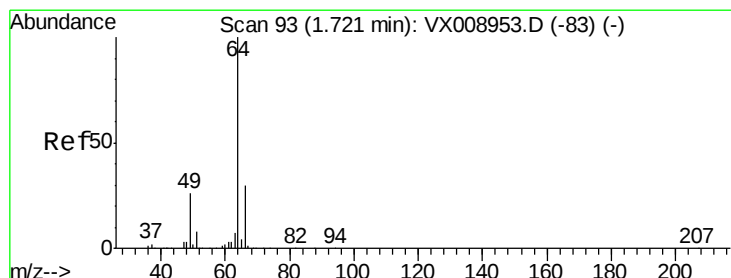
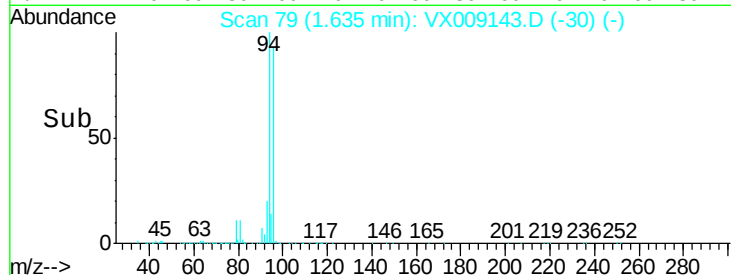
40000

20000

0

1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 55.864 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX009143.D

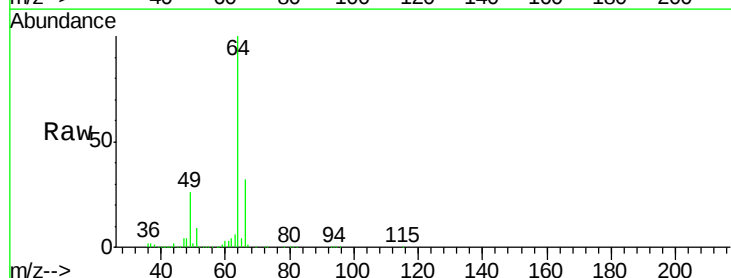
Acq: 24 Apr 2019 14:24

Tgt Ion: 64 Resp: 79360

Ion Ratio Lower Upper

64 100

66 32.0 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

60000

50000

40000

30000

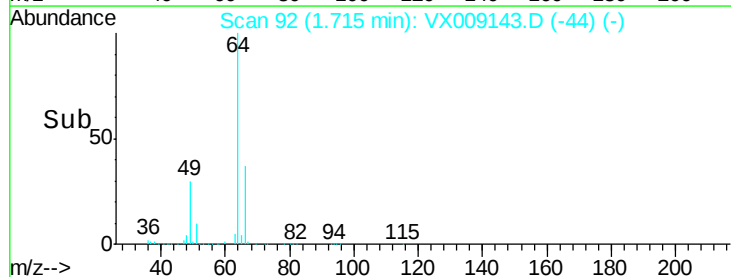
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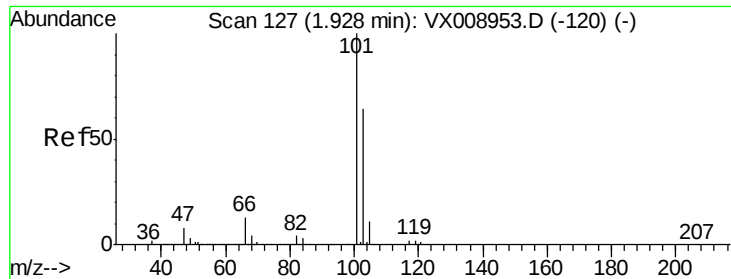
10000

0

1.60 1.70 1.80 1.90

Time-->





#7

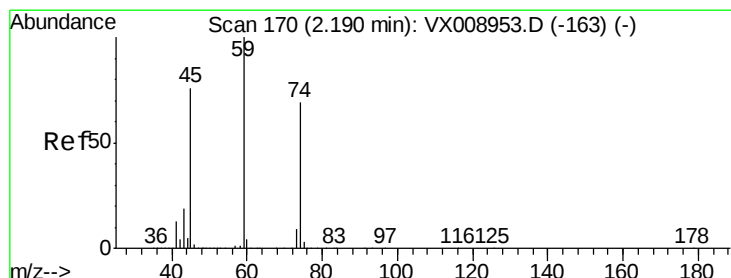
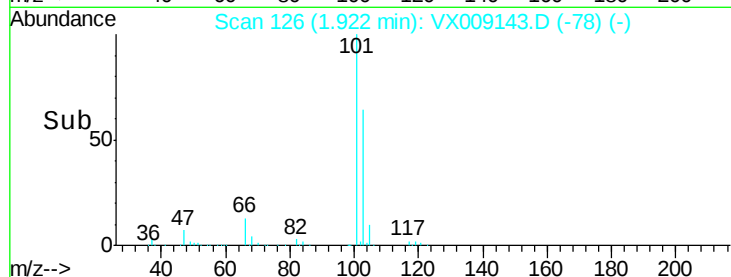
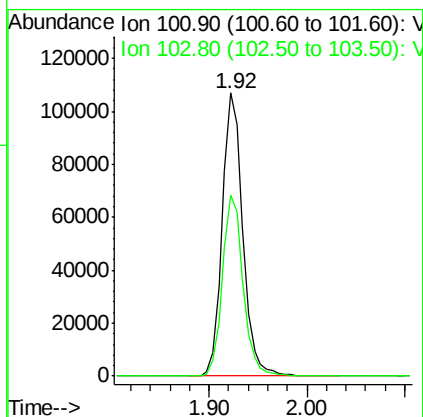
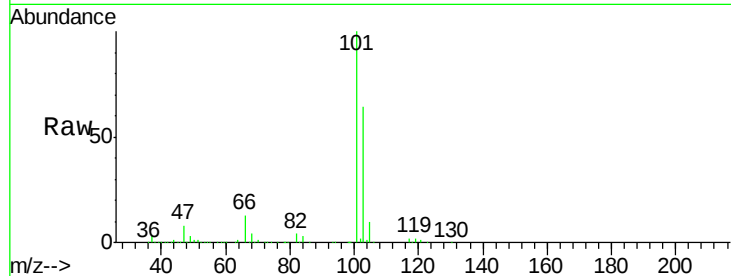
Trichlorofluoromethane
Concen: 55.370 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX009143.D
Acq: 24 Apr 2019 14:24

Instrument :
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ClientSampleId :
S37-0016MS

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.0	76.6

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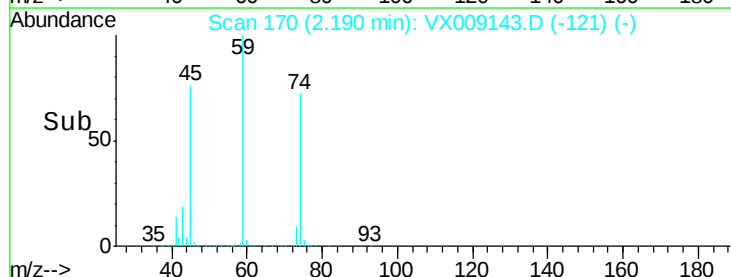
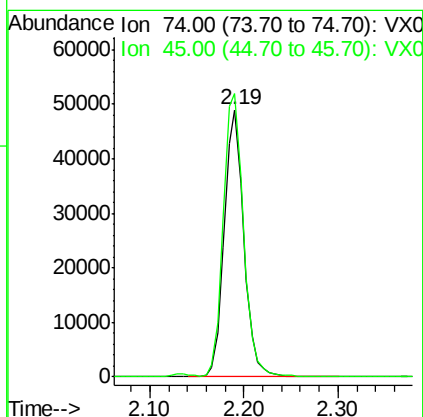
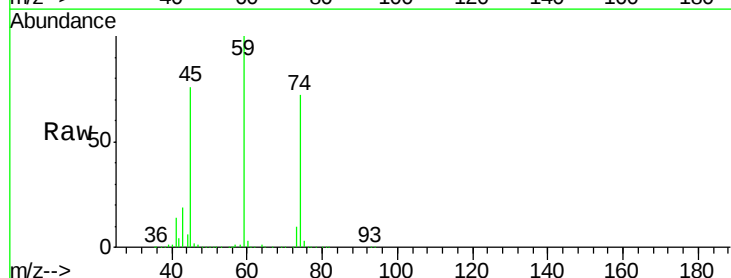
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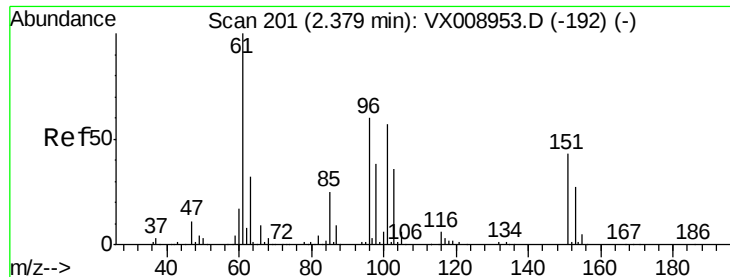


#8

Diethyl Ether
Concen: 54.724 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX009143.D
Acq: 24 Apr 2019 14:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.0	54.9	164.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.871 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009143.D

Acq: 24 Apr 2019 14:24

Instrument :

MSVOA_X

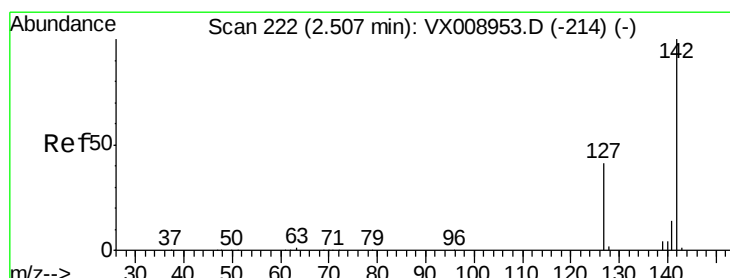
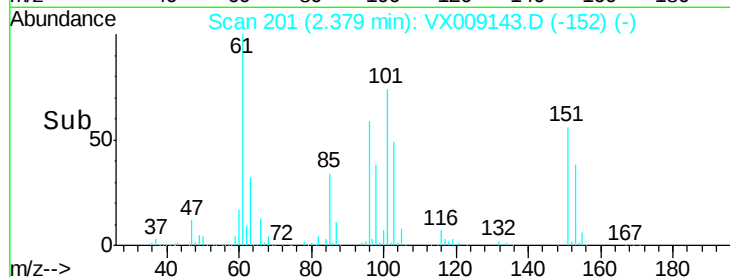
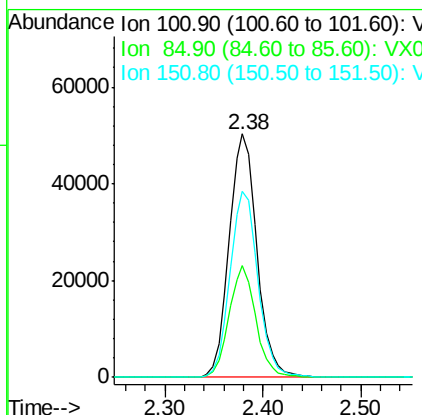
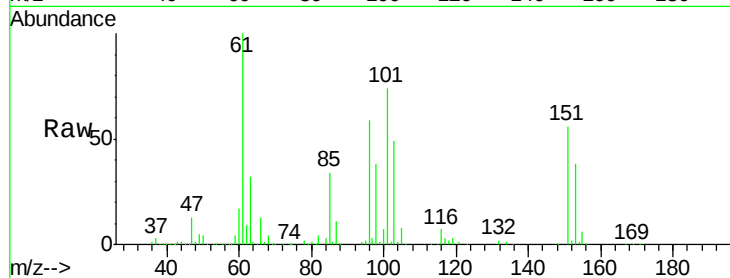
ClientSampleId :

S37-0016MS

Tot Ion:	101	Resp:	98954
Ion Ratio	Lower	Upper	
101	100		
85	44.3	35.7	53.5
151	77.0	62.7	94.1

Manual Integrations
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#10

Methyl Iodide

Concen: 51.802 ug/l

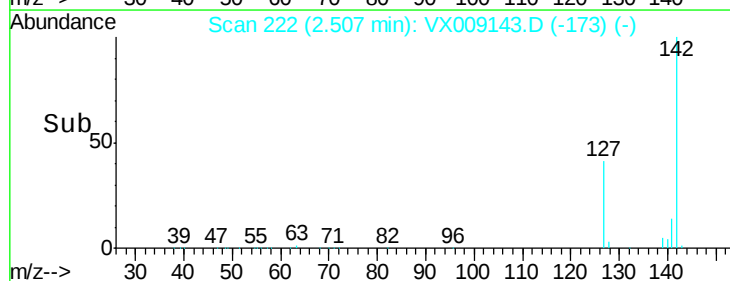
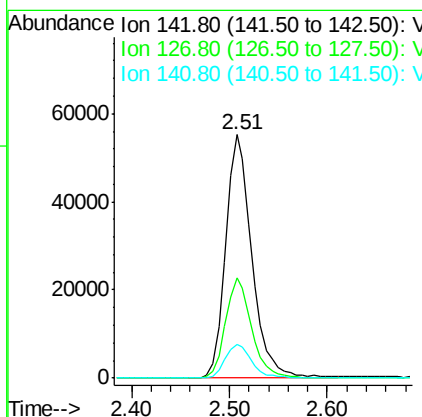
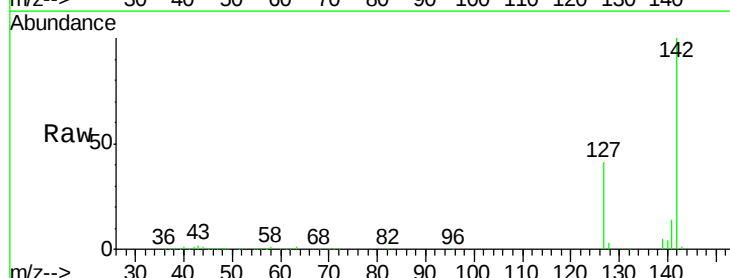
RT: 2.51 min Scan# 222

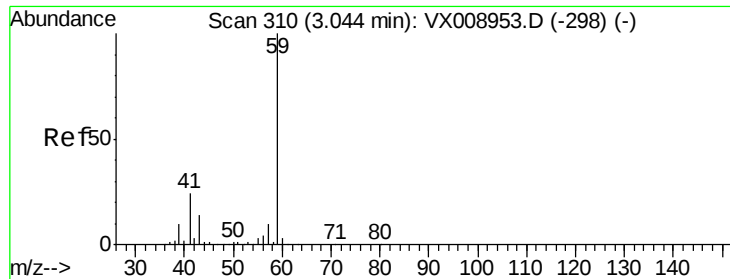
Delta R.T. 0.00 min

Lab File: VX009143.D

Acq: 24 Apr 2019 14:24

Tgt Ion:	142	Resp:	102487
Ion Ratio	Lower	Upper	
142	100		
127	40.9	32.8	49.2
141	14.3	11.4	17.2





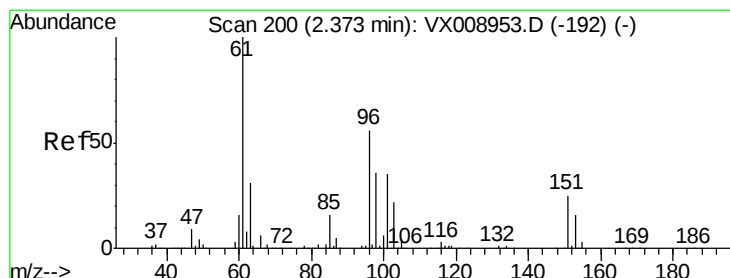
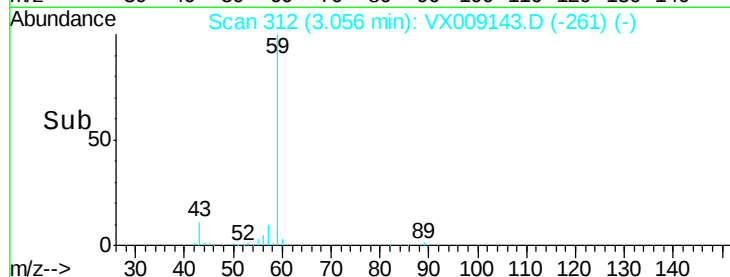
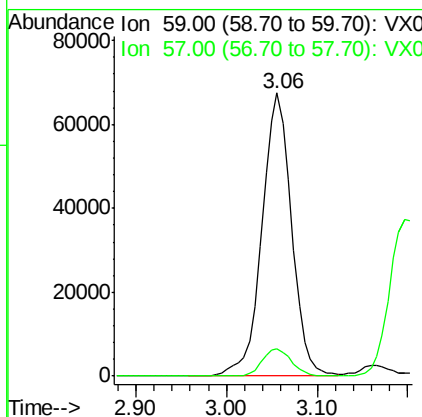
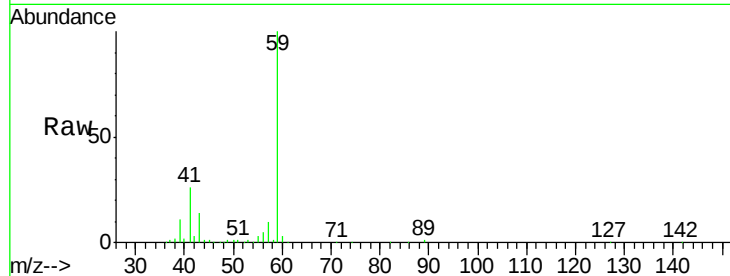
#11
Tert butyl alcohol
Concen: 277.910 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX009143.D
Acq: 24 Apr 2019 14:24

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MS

Tot Ion: 59 Resp: 152601
Ion Ratio Lower Upper
59 100
57 9.8 8.4 12.6

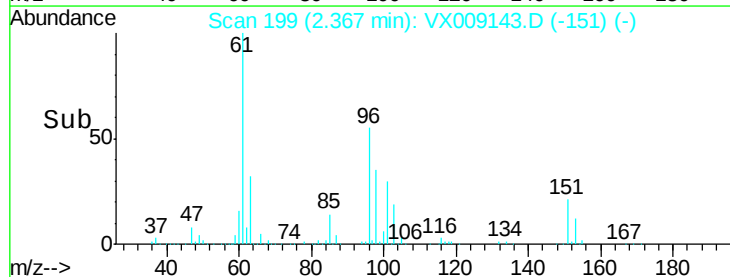
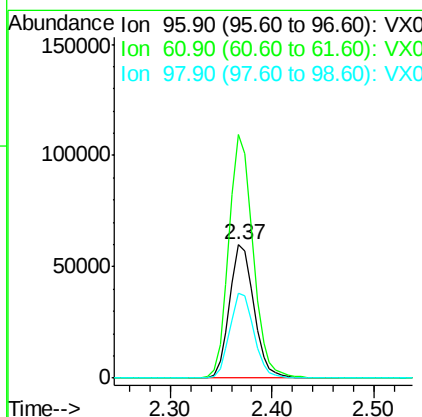
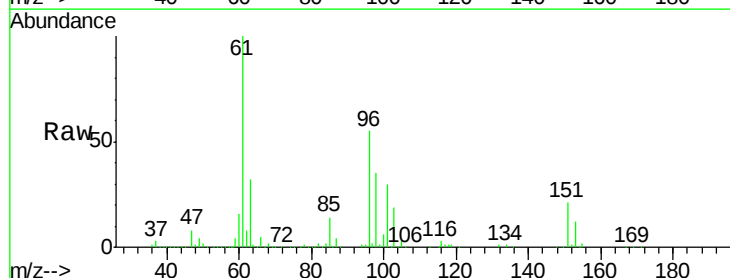
Manual Integrations
APPROVED

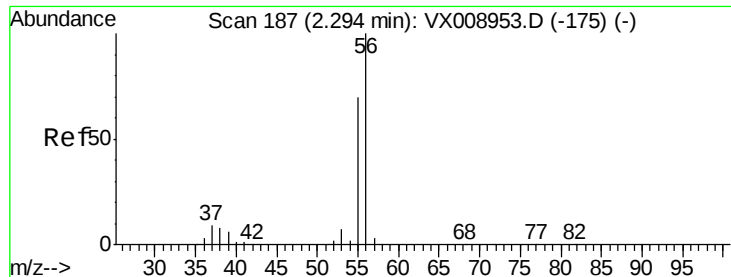
MMDadoda
4/25/2019 12:34:26 PM



#12
1,1-Dichloroethene
Concen: 52.582 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX009143.D
Acq: 24 Apr 2019 14:24

Tgt Ion: 96 Resp: 98979
Ion Ratio Lower Upper
96 100
61 183.2 142.2 213.2
98 64.0 50.9 76.3





#13

Acrolein

Concen: 218.147 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009143.D

Acq: 24 Apr 2019 14:24

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MS

Tot Ion: 56 Resp: 103499

Ion Ratio Lower Upper

56 100

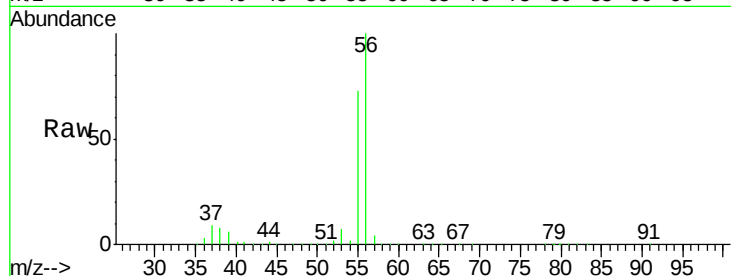
55 72.2 56.6 84.8

Manual Integrations

APPROVED

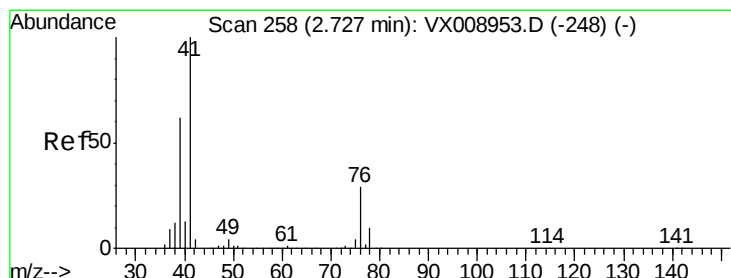
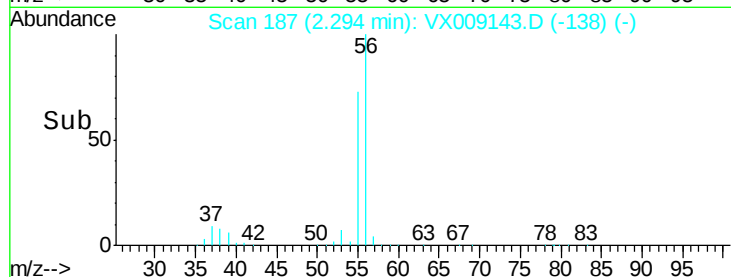
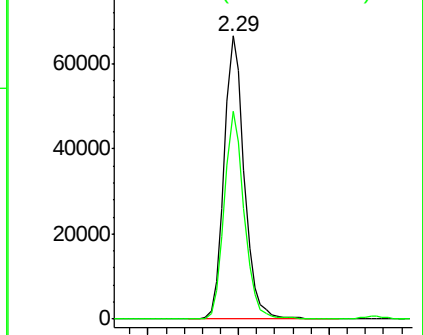
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 56.642 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009143.D

Acq: 24 Apr 2019 14:24

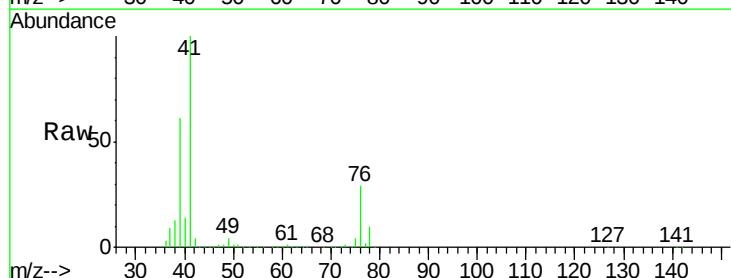
Tgt Ion: 41 Resp: 232614

Ion Ratio Lower Upper

41 100

39 58.3 46.7 70.1

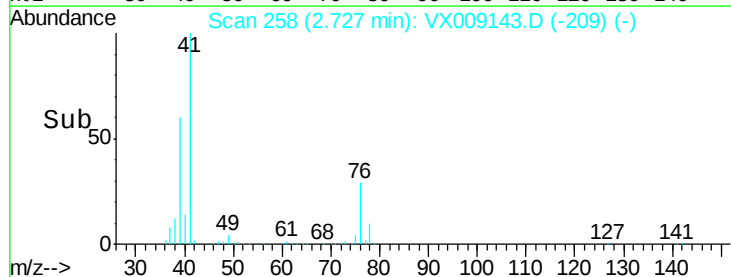
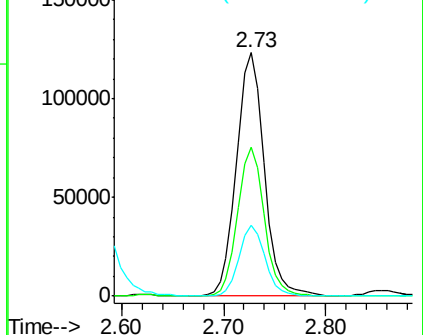
76 27.2 22.0 33.0

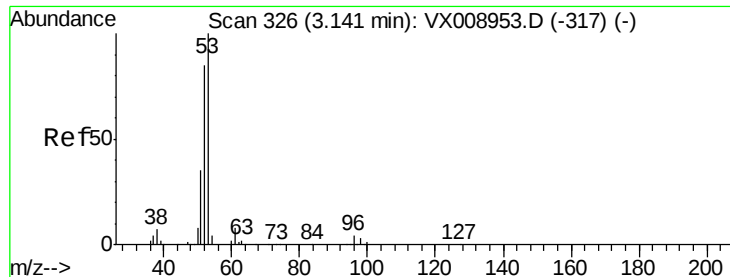


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 285.777 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX009143.D

Acq: 24 Apr 2019 14:24

Instrument :

MSVOA_X

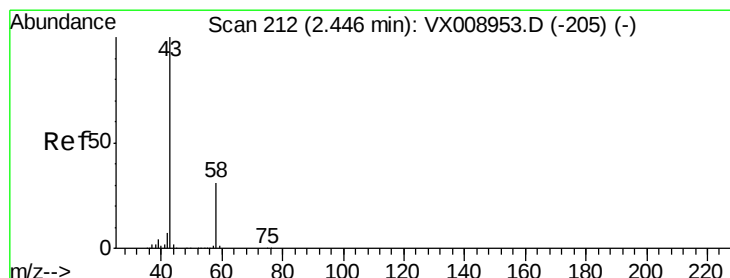
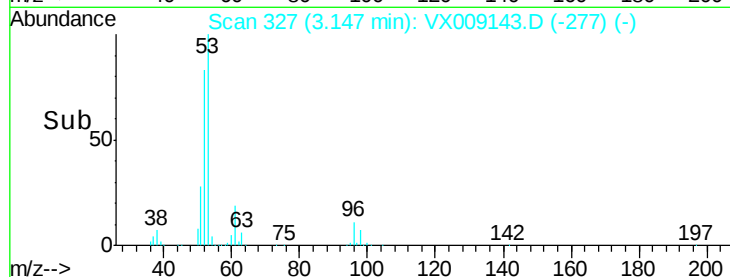
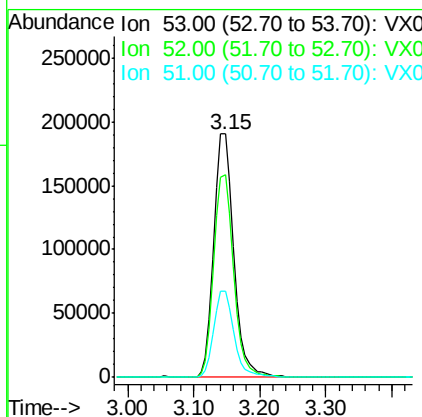
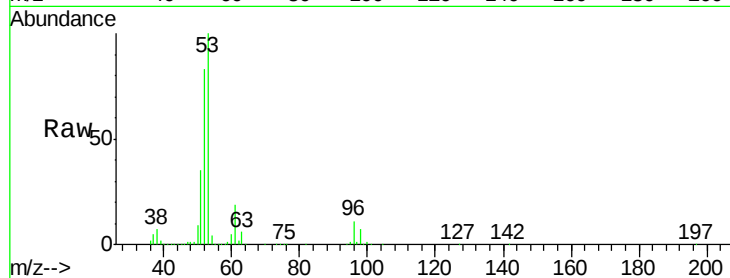
ClientSampleId :

S37-0016MS

Tot Ion:	53	Resp:	398341
Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.6	100.0
51	35.7	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 263.307 ug/l

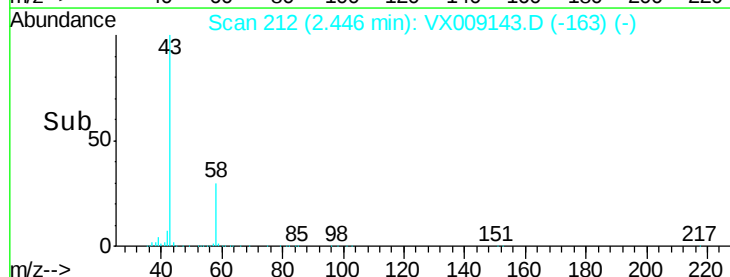
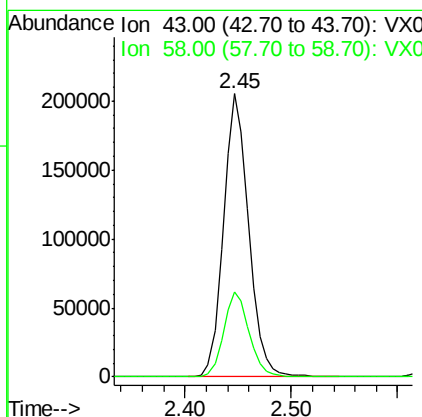
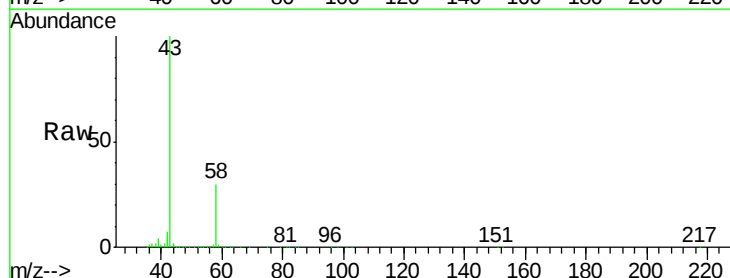
RT: 2.45 min Scan# 212

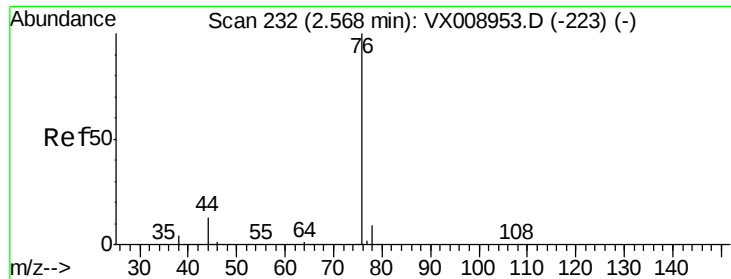
Delta R.T. -0.00 min

Lab File: VX009143.D

Acq: 24 Apr 2019 14:24

Tgt Ion:	43	Resp:	337775
Ion	Ratio	Lower	Upper
43	100		
58	29.9	24.8	37.2





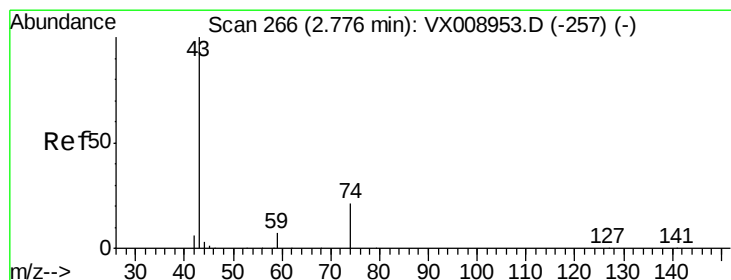
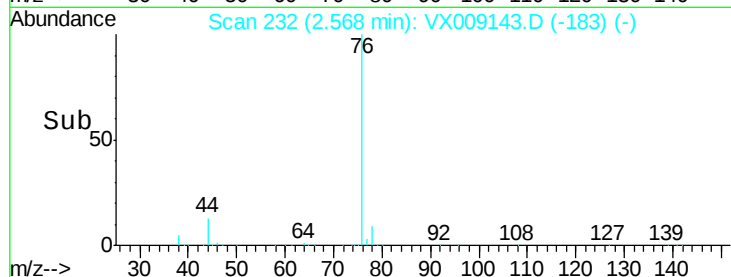
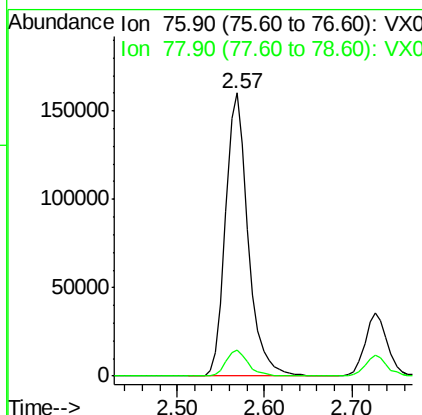
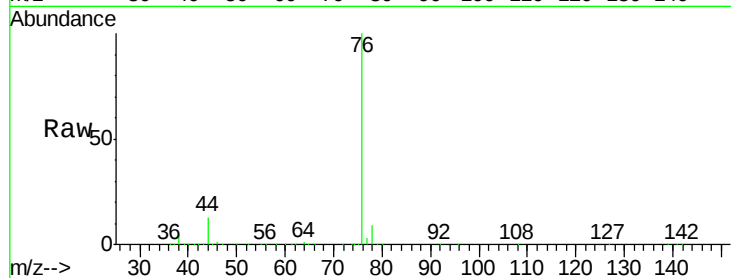
#17
Carbon Disulfide
Concen: 51.738 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009143.D
Acq: 24 Apr 2019 14:24

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.2	10.8

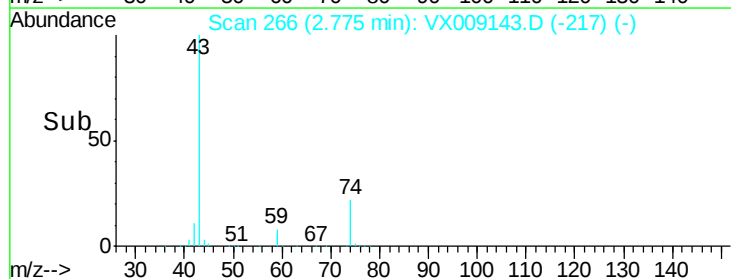
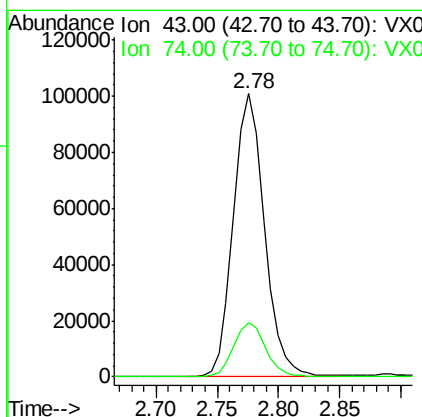
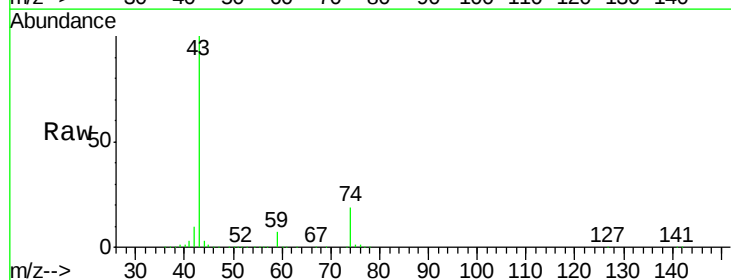
Manual Integrations
APPROVED

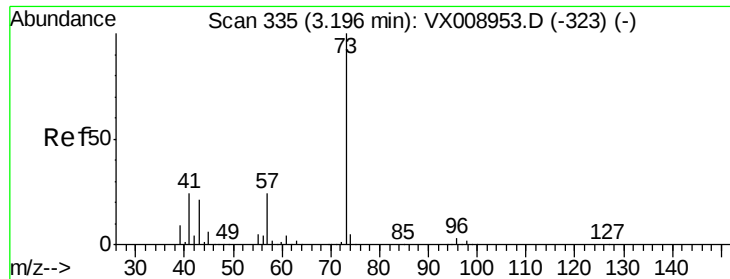
MMDadoda
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#18
Methyl Acetate
Concen: 55.465 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX009143.D
Acq: 24 Apr 2019 14:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.1	16.6	25.0





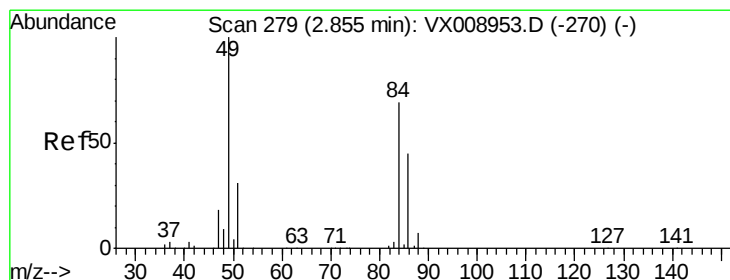
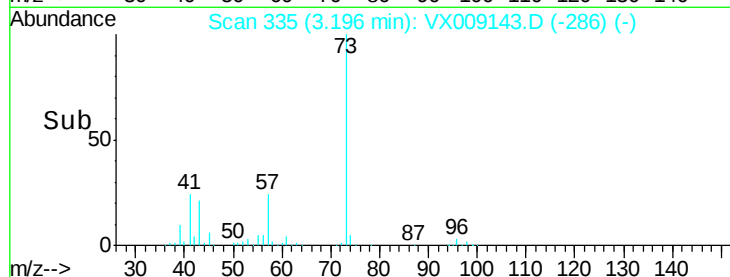
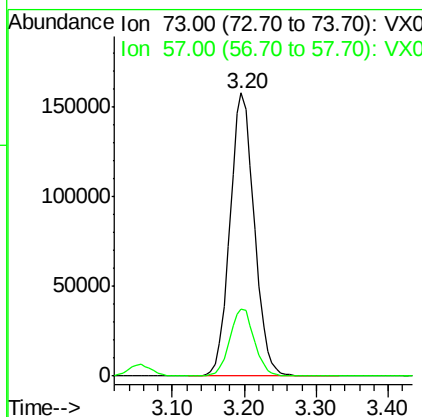
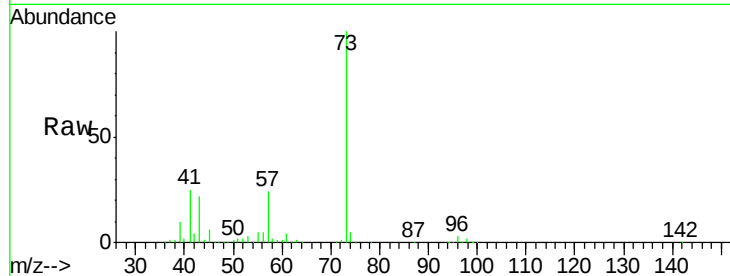
#19
Methvl tert-butvl Ether
Concen: 55.164 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009143.D
Acq: 24 Apr 2019 14:24

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.7	19.2	28.8

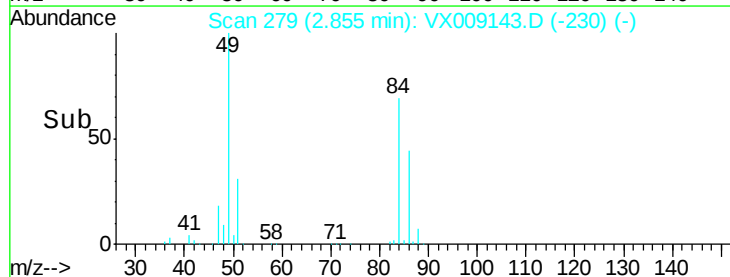
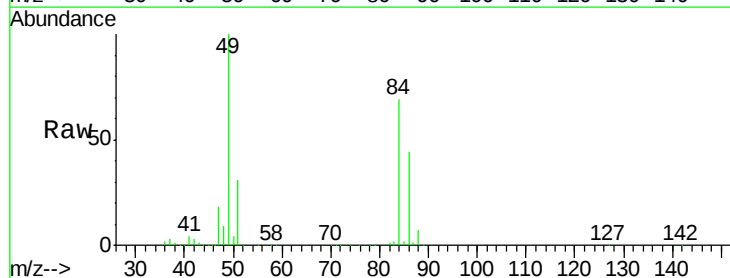
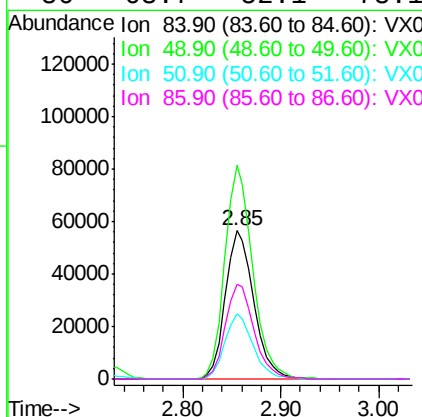
Manual Integrations
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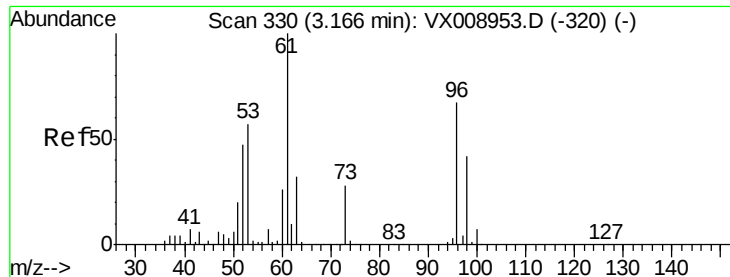
MMDadoda
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#20
Methylene Chloride
Concen: 51.911 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009143.D
Acq: 24 Apr 2019 14:24

Tgt Ion	Ratio	Lower	Upper
84	100		
49	144.1	115.4	173.0
51	44.1	35.8	53.6
86	63.7	52.1	78.1





#21

trans-1,2-Dichloroethene

Concen: 52.606 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX009143.D

Acq: 24 Apr 2019 14:24

Instrument :

MSVOA_X

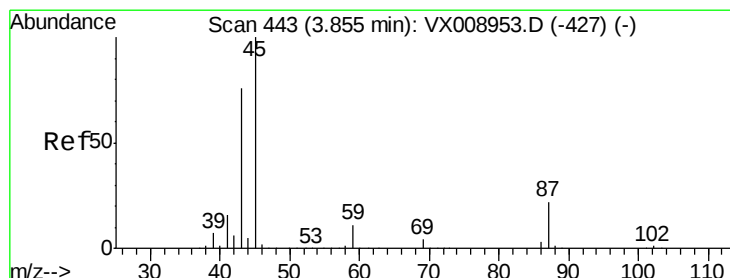
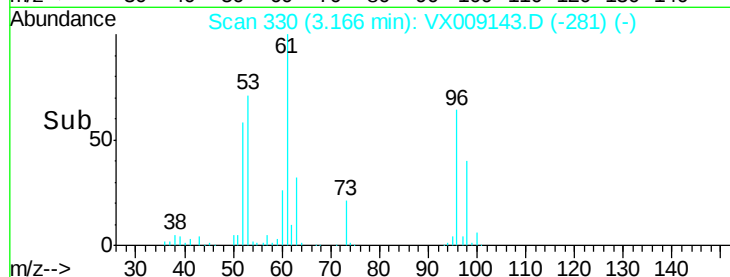
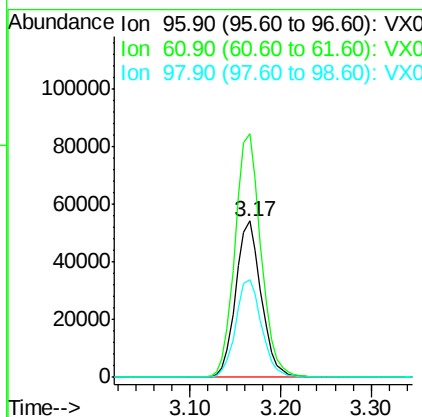
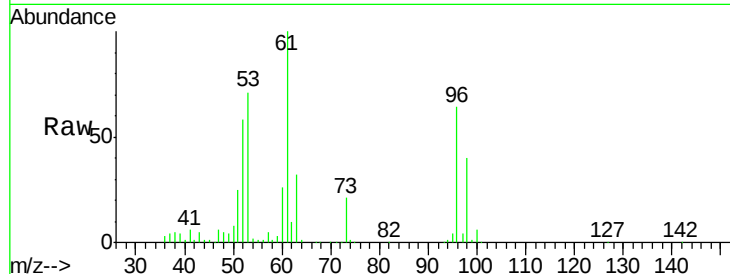
ClientSampled :

S37-0016MS

Tot Ion:	96	Resp:	105621
Ion	Ratio	Lower	Upper
96	100		
61	155.8	120.3	180.5
98	62.9	50.2	75.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 56.618 ug/l

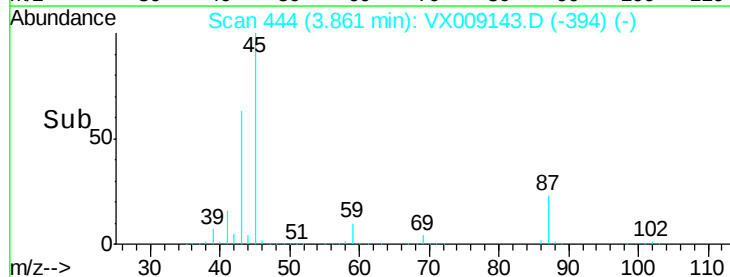
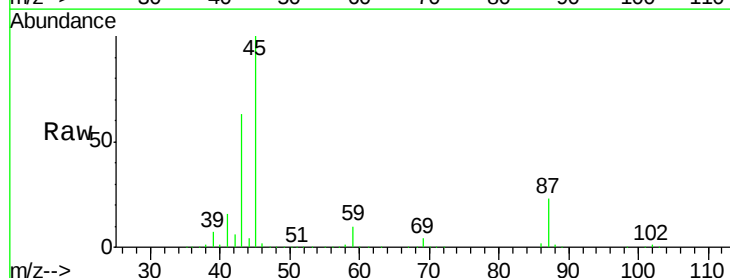
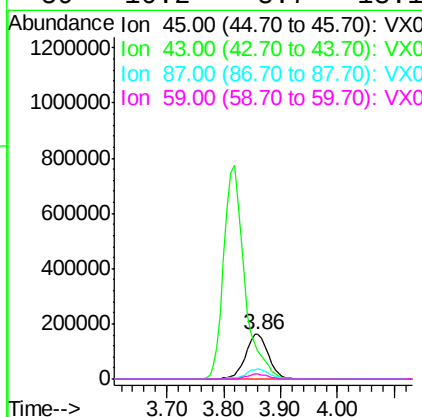
RT: 3.86 min Scan# 444

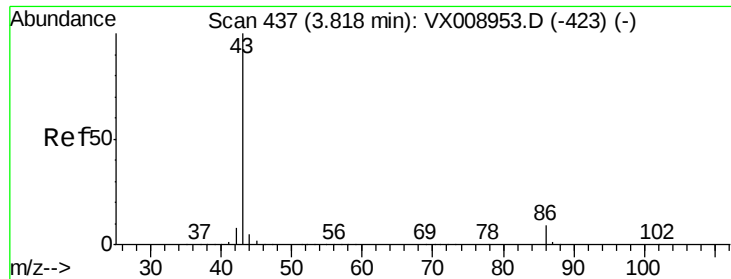
Delta R.T. 0.01 min

Lab File: VX009143.D

Acq: 24 Apr 2019 14:24

Tgt Ion:	45	Resp:	451817
Ion	Ratio	Lower	Upper
45	100		
43	62.9	60.6	91.0
87	22.9	17.8	26.8
59	10.2	8.7	13.1





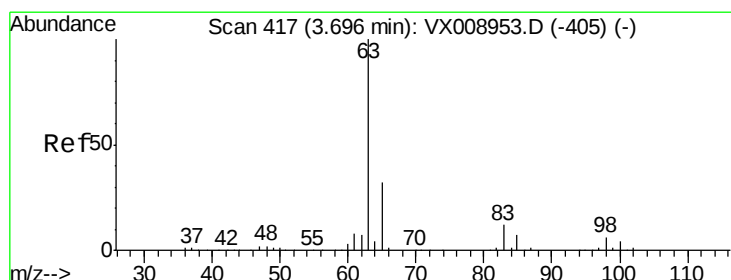
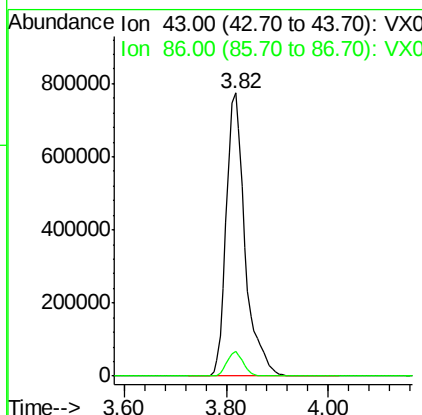
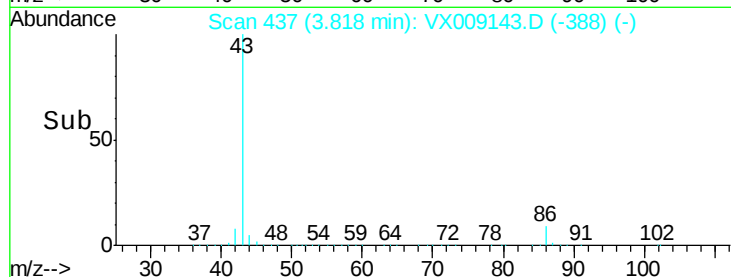
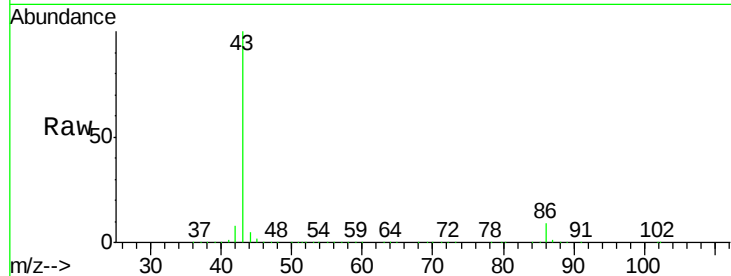
#23
 Vinyl Acetate
 Concen: 282.554 ug/l
 RT: 3.82 min Scan# 437
 Delta R.T. -0.00 min
 Lab File: VX009143.D
 Acq: 24 Apr 2019 14:24

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MS

Tot Ion: 43 Resp: 1982071
 Ion Ratio Lower Upper
 43 100
 86 8.6 7.1 10.7

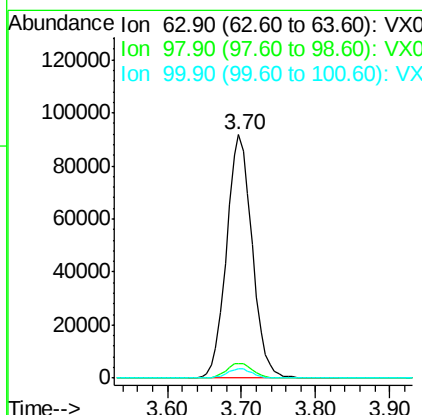
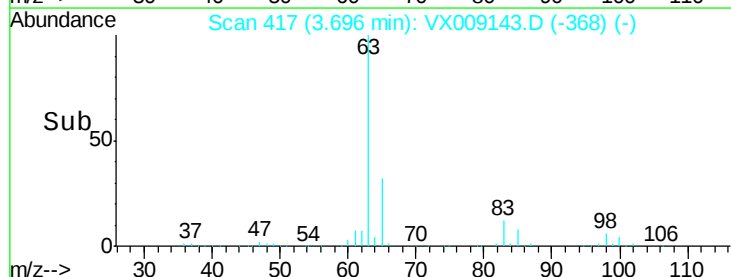
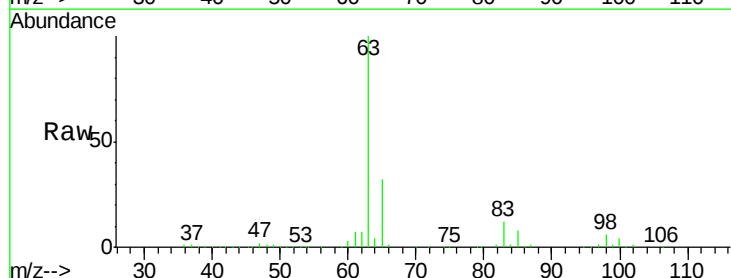
Manual Integrations
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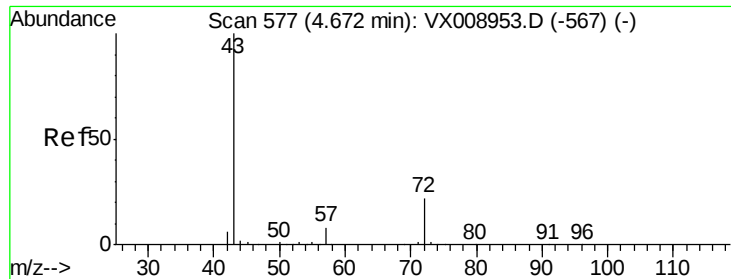
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#24
 1,1-Dichloroethane
 Concen: 55.002 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. -0.00 min
 Lab File: VX009143.D
 Acq: 24 Apr 2019 14:24

Tgt Ion: 63 Resp: 220330
 Ion Ratio Lower Upper
 63 100
 98 5.8 3.1 9.3
 100 3.6 1.9 5.7





#25

2-Butanone

Concen: 284.011 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009143.D

Acq: 24 Apr 2019 14:24

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MS

Tot Ion: 43 Resp: 582364

Ion Ratio Lower Upper

43 100

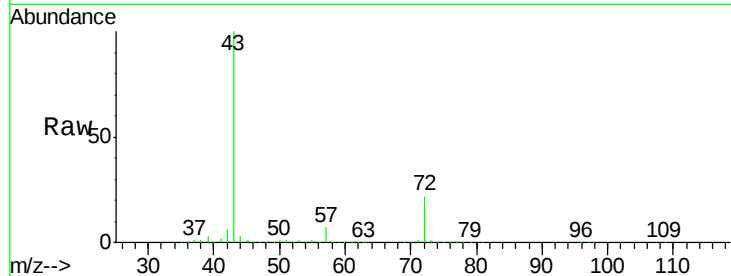
72 22.3 17.5 26.3

Manual Integrations

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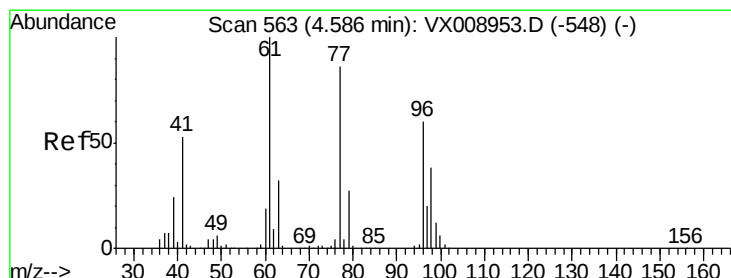
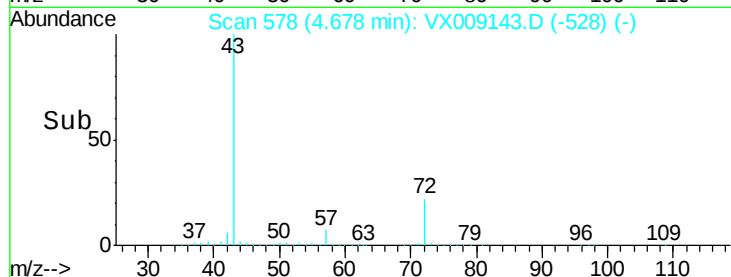
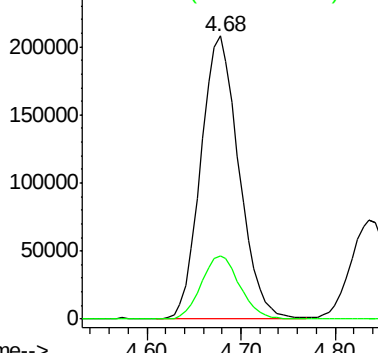
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 52.127 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX009143.D

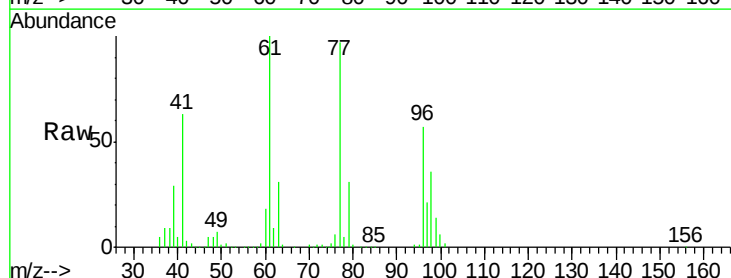
Acq: 24 Apr 2019 14:24

Tgt Ion: 77 Resp: 156526

Ion Ratio Lower Upper

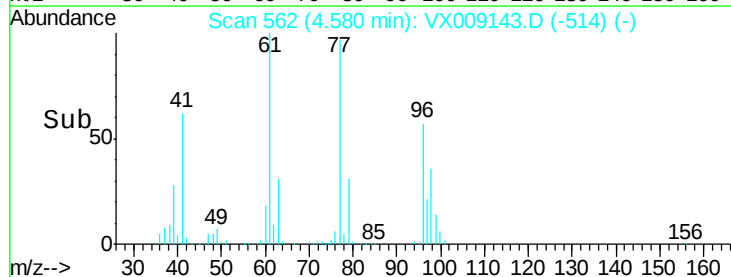
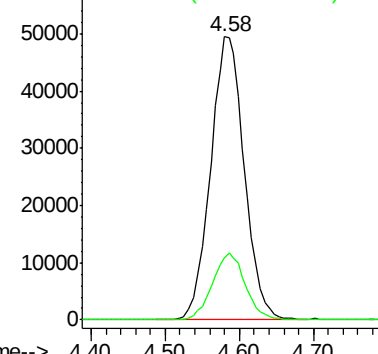
77 100

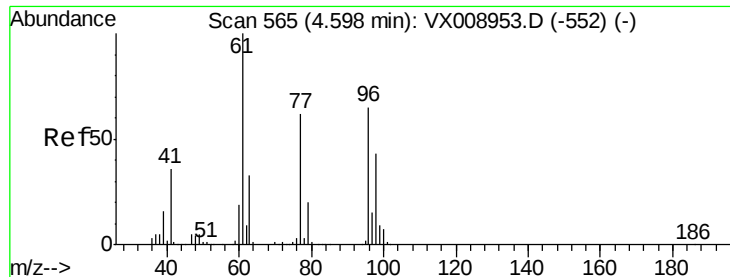
97 23.0 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

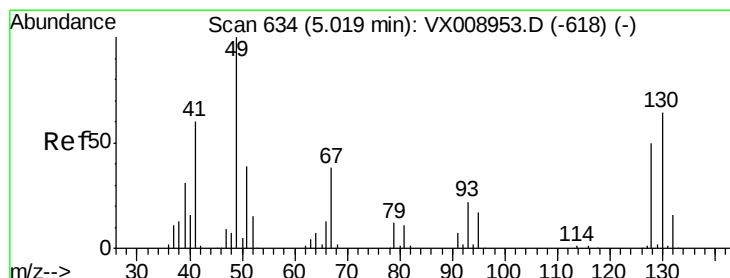
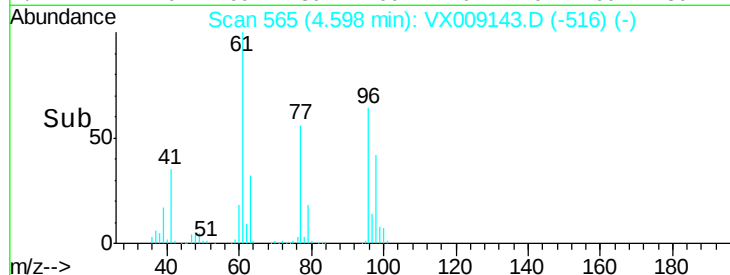
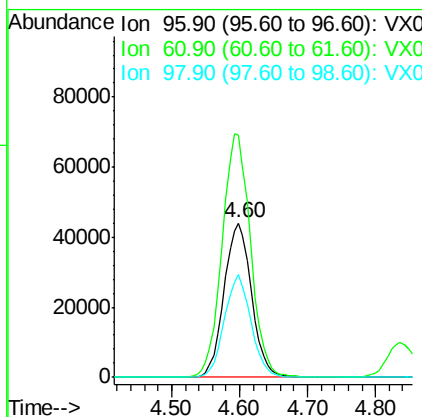
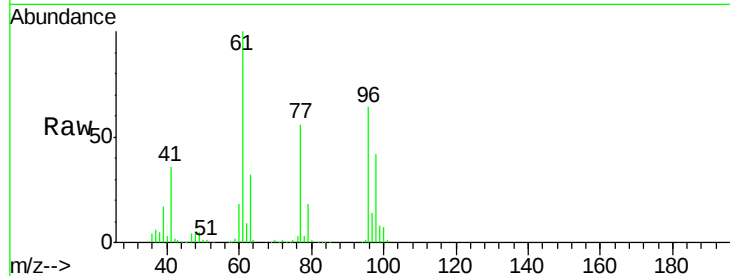
cis-1,2-Dichloroethene
Concen: 53.917 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX009143.D
Acq: 24 Apr 2019 14:24

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	122906		
61	163.7	0.0	322.0	
98	65.0	0.0	128.4	

Manual Integrations
APPROVED

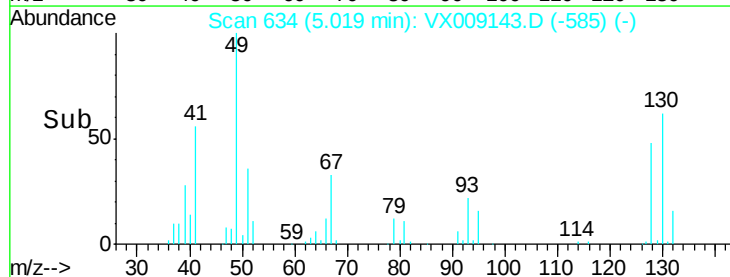
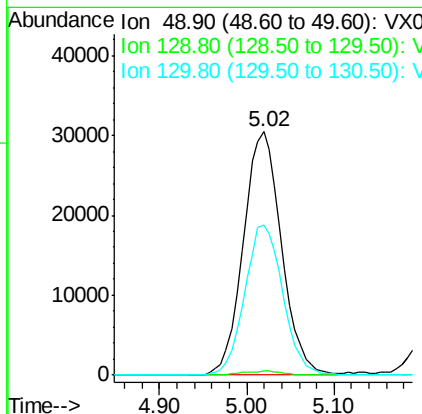
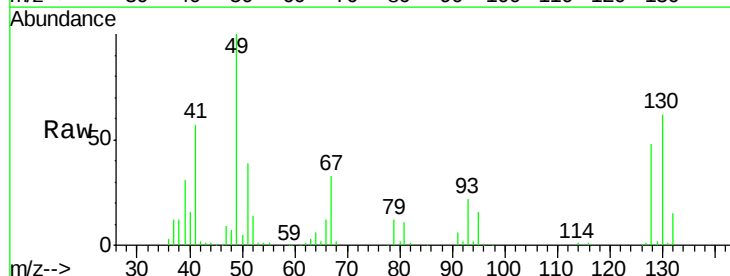
MMDadoda
4/25/2019 12:34:26 PM

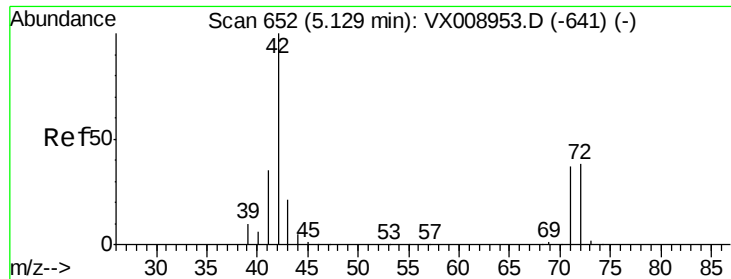


#28

Bromochloromethane
Concen: 55.665 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX009143.D
Acq: 24 Apr 2019 14:24

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	92257		
129	1.7	0.0	3.6	
130	61.6	50.4	75.6	





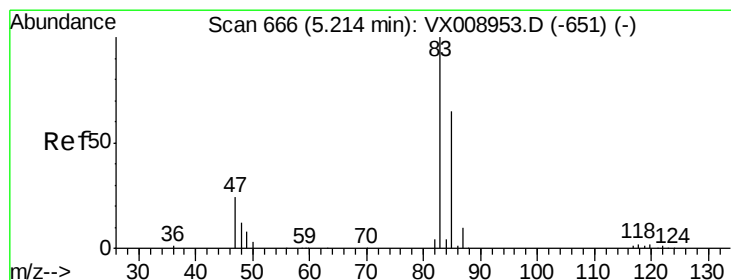
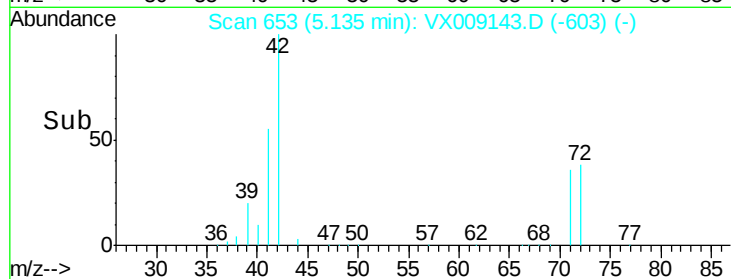
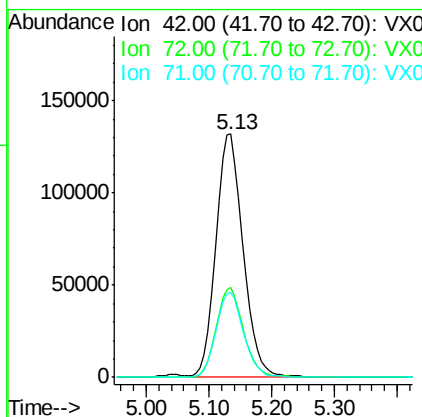
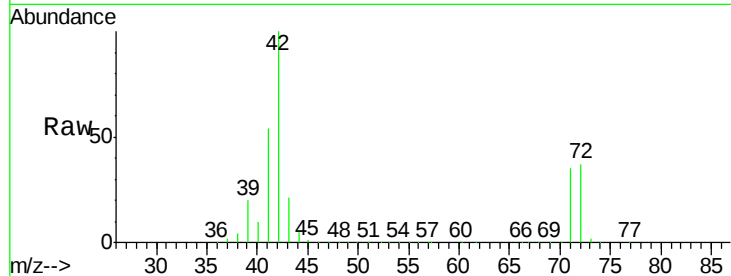
#29
Tetrahydrofuran
Concen: 287.062 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.01 min
Lab File: VX009143.D
Acq: 24 Apr 2019 14:24

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.3	30.6	45.8
71	35.4	28.8	43.2

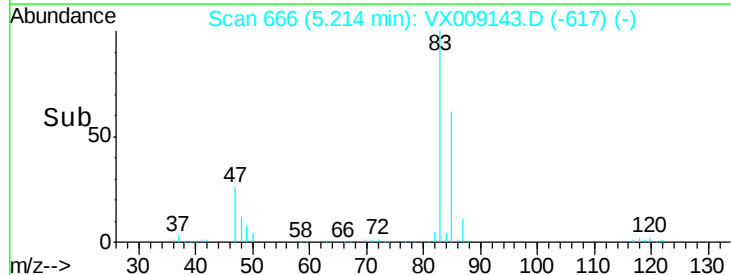
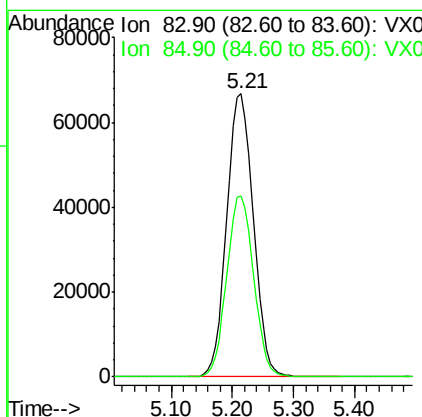
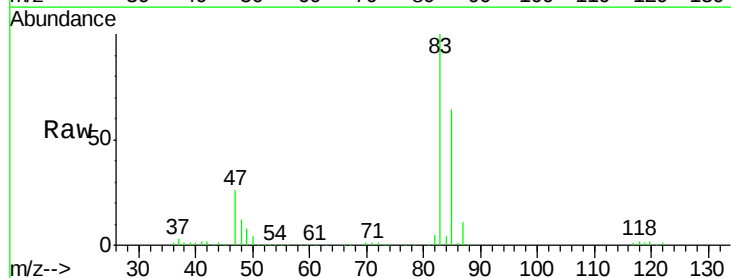
Manual Integrations
APPROVED

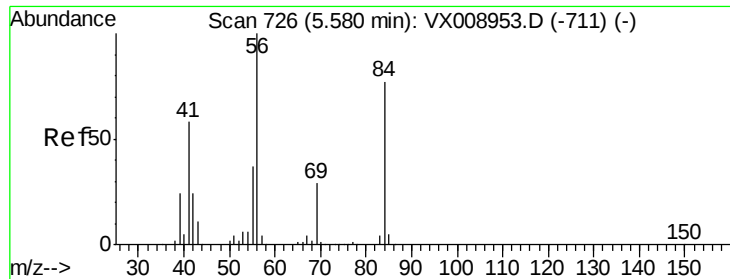
MMDadoda
4/25/2019 12:34:26 PM



#30
Chloroform
Concen: 55.881 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX009143.D
Acq: 24 Apr 2019 14:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.9	77.9





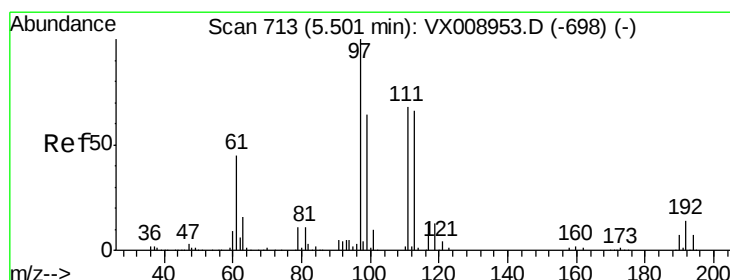
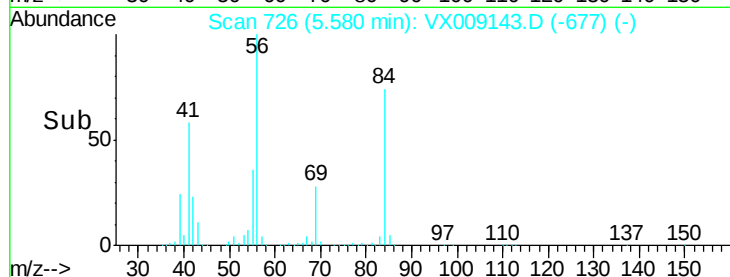
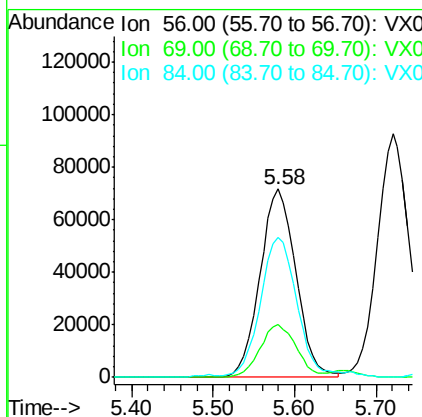
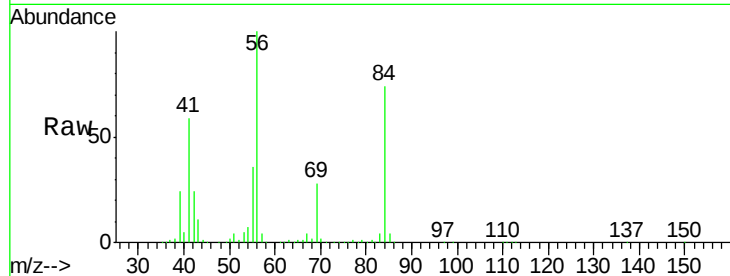
#31
Cyclohexane
Concen: 55.756 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX009143.D
Acq: 24 Apr 2019 14:24

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.4	23.3	34.9
84	73.9	61.7	92.5

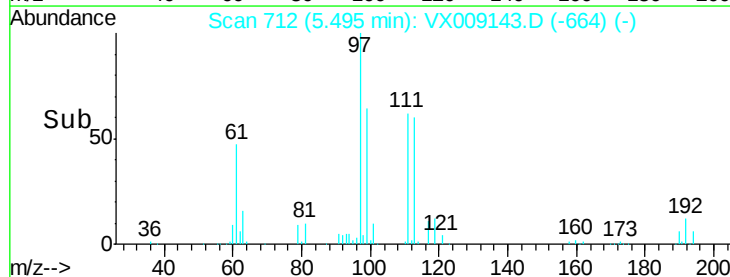
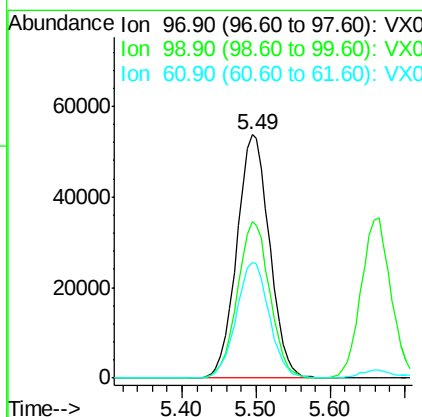
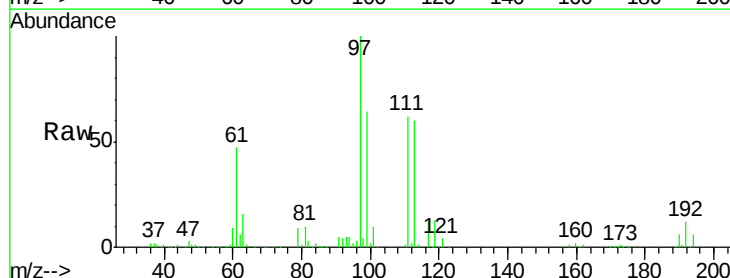
Manual Integrations
APPROVED

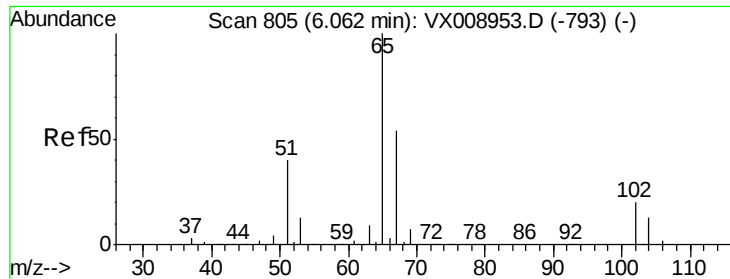
MMDadoda
4/25/2019 12:34:26 PM



#32
1,1,1-Trichloroethane
Concen: 55.752 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX009143.D
Acq: 24 Apr 2019 14:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.6	77.4
61	48.1	37.9	56.9





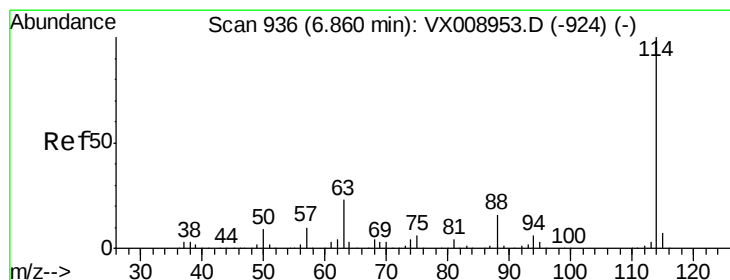
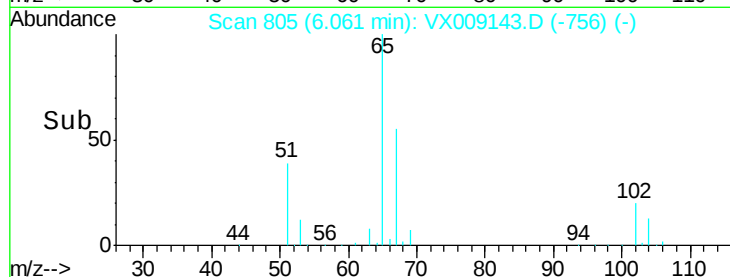
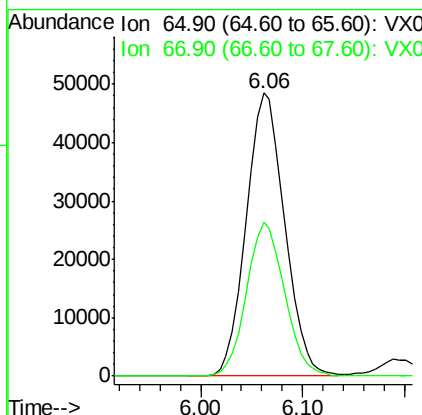
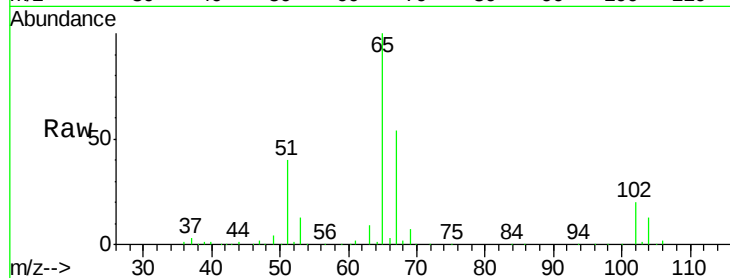
#33
 1,2-Dichloroethane-d4
 Concen: 51.385 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009143.D
 Acq: 24 Apr 2019 14:24

Instrument :
 MSVOA_X
 ClientSampled :
 S37-0016MS

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	108.6

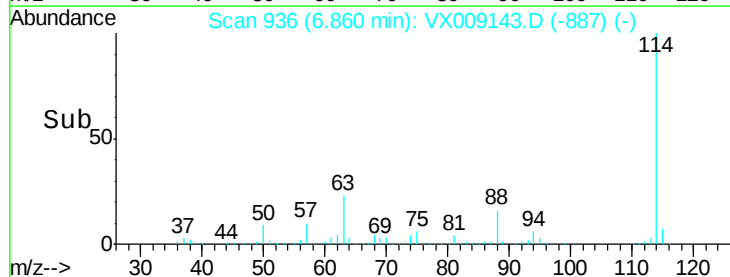
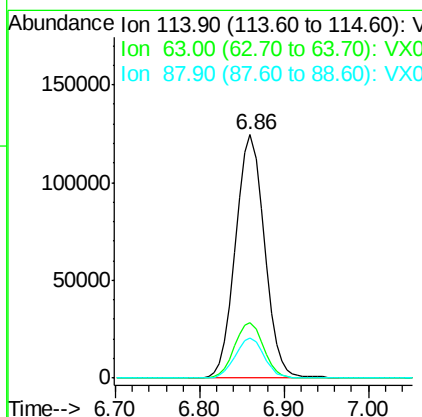
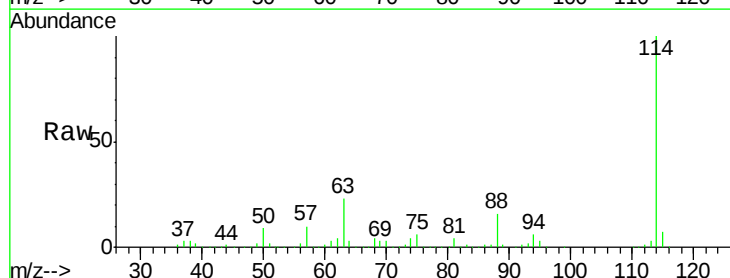
Manual Integrations
 APPROVED

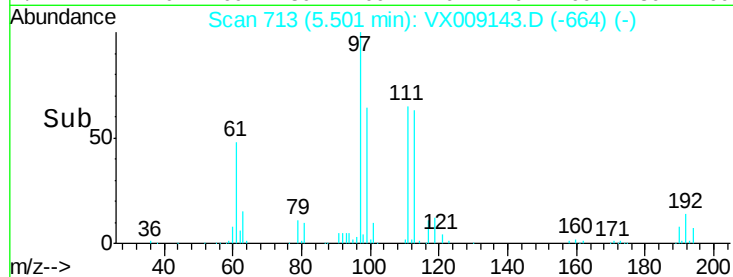
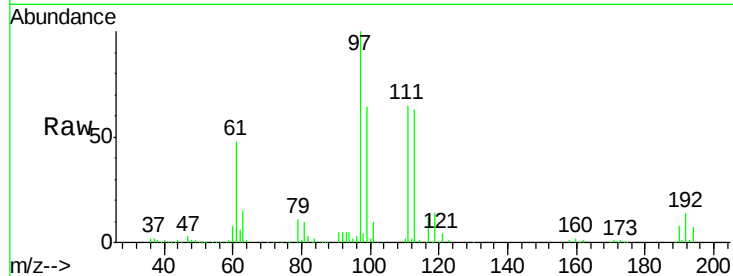
MMDadoda
 4/25/2019 12:34:26 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009143.D
 Acq: 24 Apr 2019 14:24

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	46.0
88	16.3	0.0	32.6





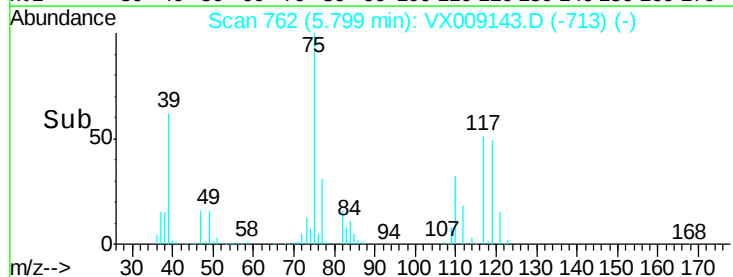
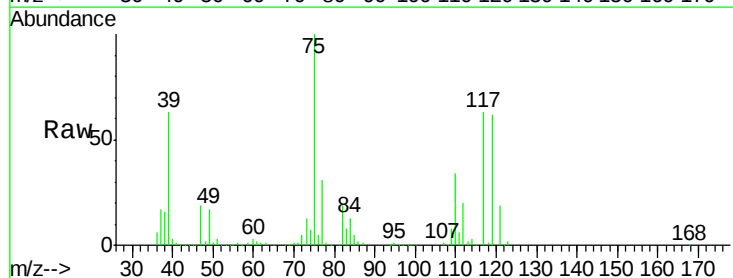
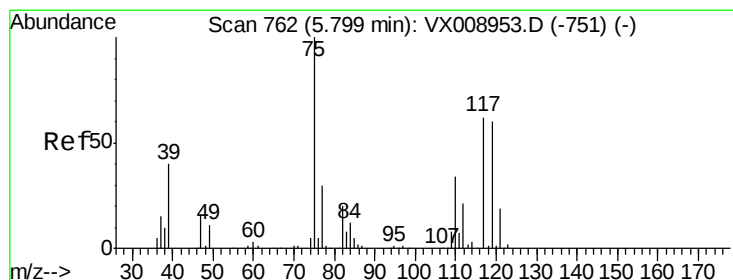
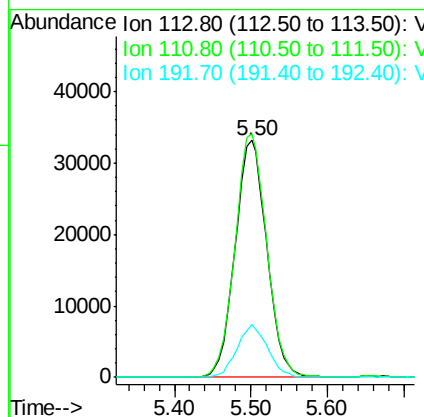
#35
Dibromofluoromethane
Concen: 51.325 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX009143.D
Acq: 24 Apr 2019 14:24

Tot Ion	Ratio	Resp	Lower	Upper
113	100	95203		
111	102.8	82.9	124.3	
192	21.3	17.4	26.0	

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MS

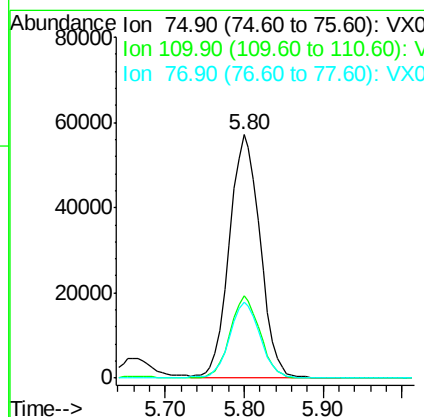
Manual Integrations
APPROVED

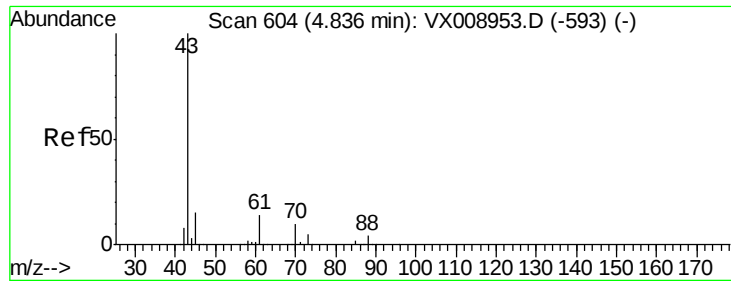
MMDadoda
4/25/2019 12:34:26 PM



#36
1,1-Dichloropropene
Concen: 51.560 ug/l
RT: 5.80 min Scan# 762
Delta R.T. -0.00 min
Lab File: VX009143.D
Acq: 24 Apr 2019 14:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	154121		
110	33.0	16.9	50.7	
77	31.5	25.0	37.4	





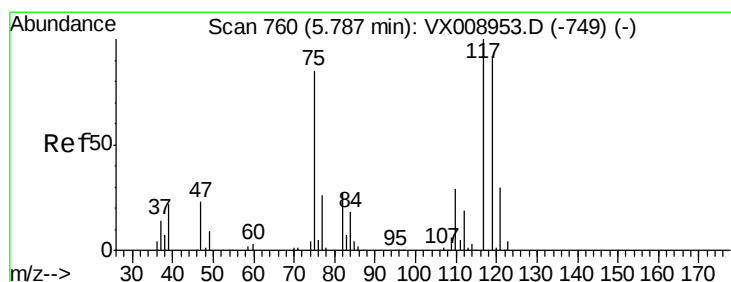
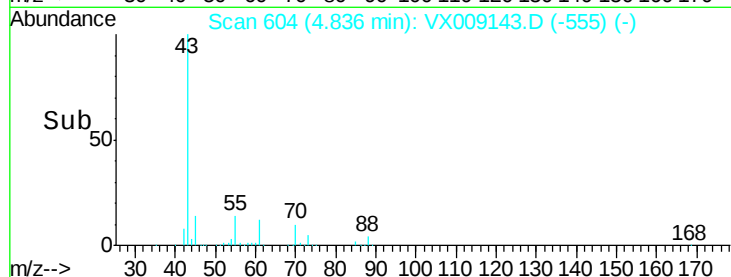
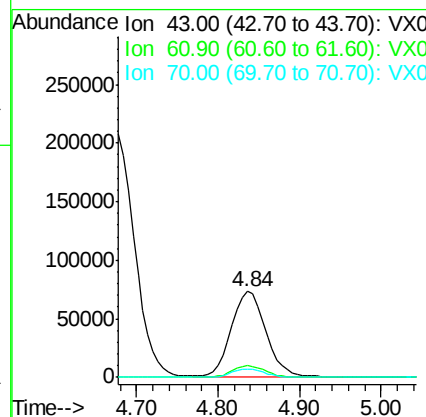
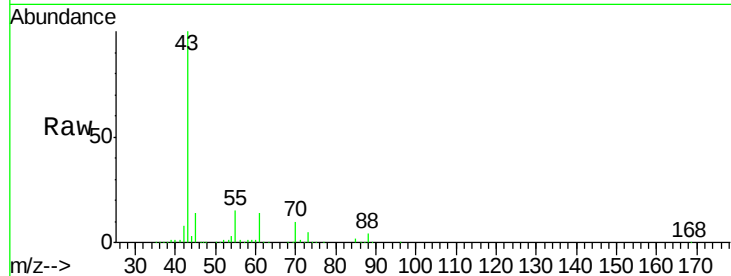
#37
Ethyl Acetate
Concen: 55.600 ug/l
RT: 4.84 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX009143.D
Acq: 24 Apr 2019 14:24

Instrument :
MSVOA_X
ClientSampleID :
S37-0016MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.6	15.8
70	9.6	7.7	11.5

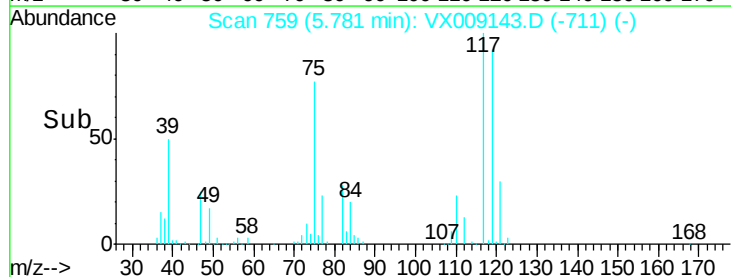
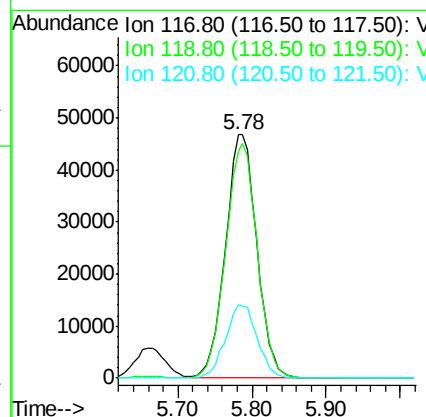
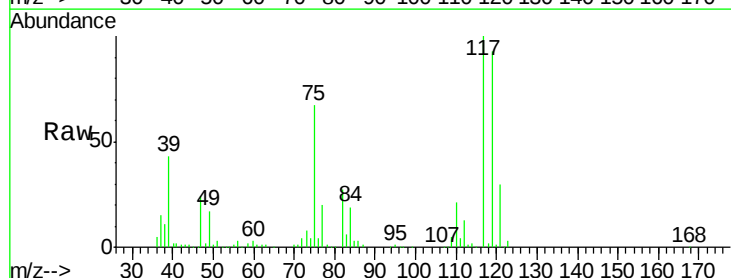
Manual Integrations
APPROVED

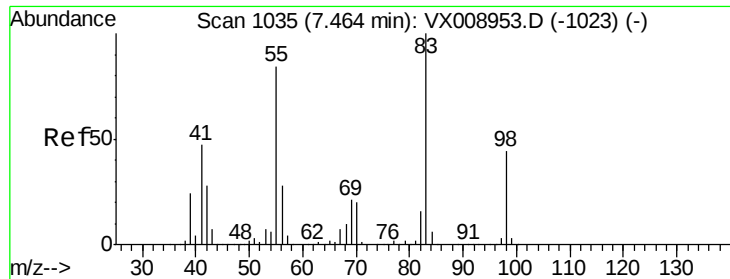
MMDadoda
4/25/2019 12:34:26 PM



#38
Carbon Tetrachloride
Concen: 54.211 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX009143.D
Acq: 24 Apr 2019 14:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.0	73.8	110.8
121	30.1	23.6	35.4





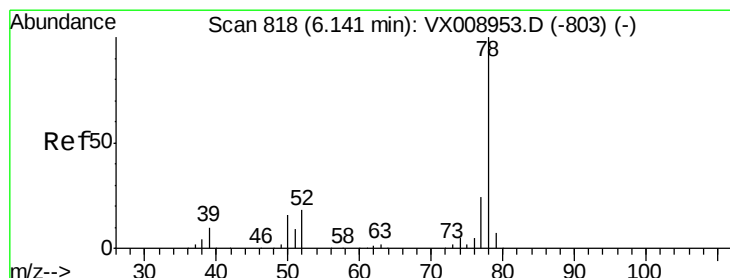
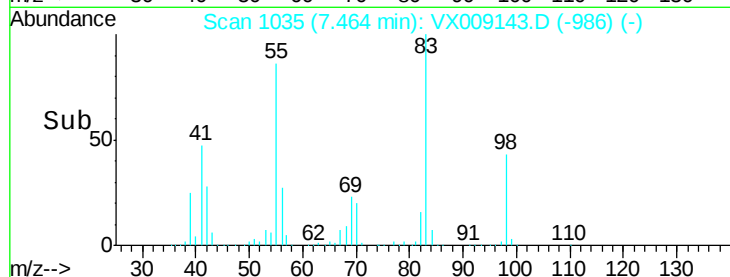
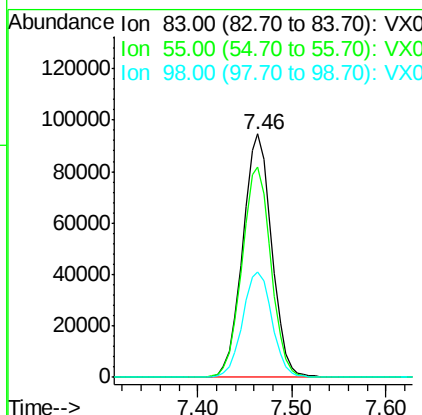
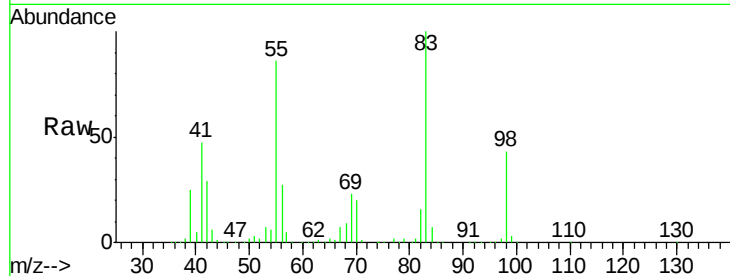
#39
Methvlcvclohexane
Concen: 55.942 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009143.D
Acq: 24 Apr 2019 14:24

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.3	67.1	100.7
98	43.3	35.1	52.7

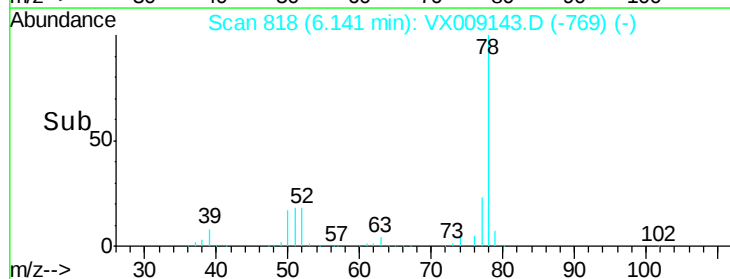
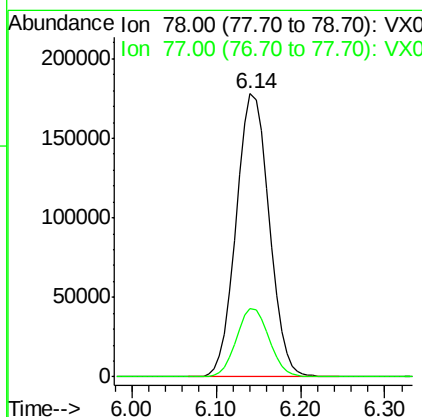
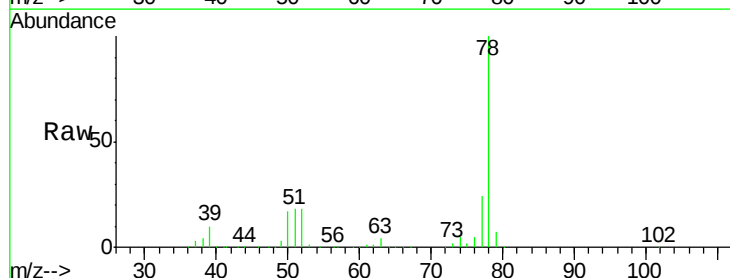
Manual Integrations
APPROVED

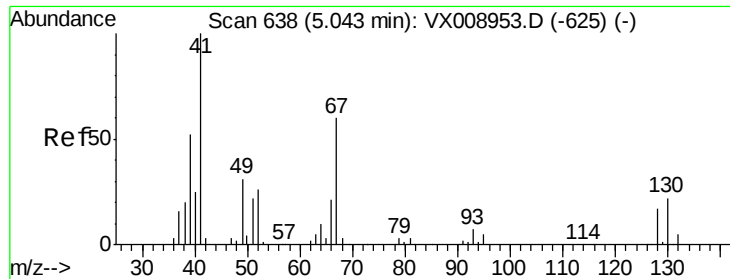
MMDadoda
4/25/2019 12:34:26 PM



#40
Benzene
Concen: 53.646 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009143.D
Acq: 24 Apr 2019 14:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.6





#41

Methacrylonitrile

Concen: 57.303 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX009143.D

Acq: 24 Apr 2019 14:24

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MS

Tot Ion: 41 Resp: 126500

Ion Ratio Lower Upper

41 100

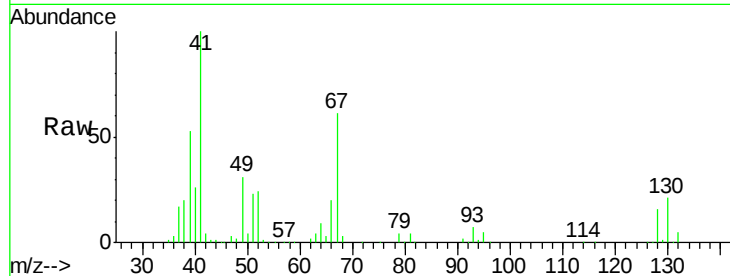
39 53.9 41.8 62.6

67 62.7 50.2 75.4

52 25.7 21.1 31.7

Manual Integrations
APPROVED

MMDadoda
4/25/2019 12:34:26 PM

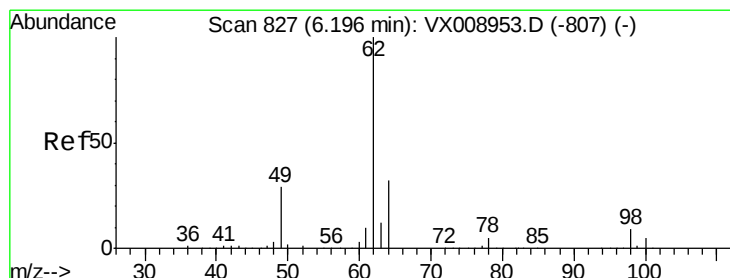
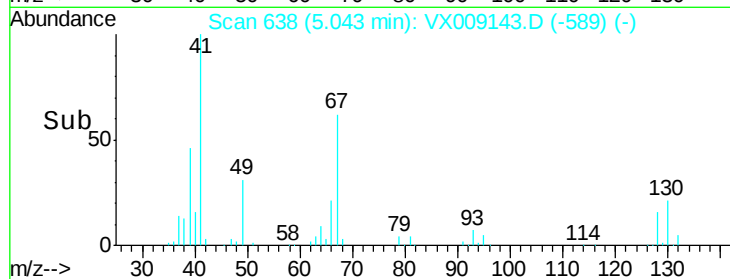
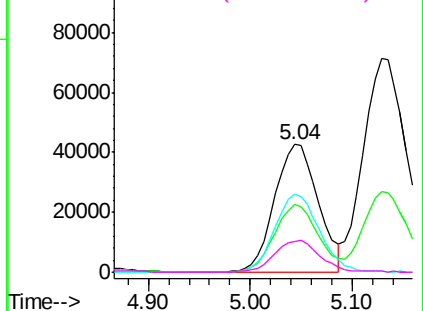


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 54.139 ug/l

RT: 6.20 min Scan# 827

Delta R.T. -0.00 min

Lab File: VX009143.D

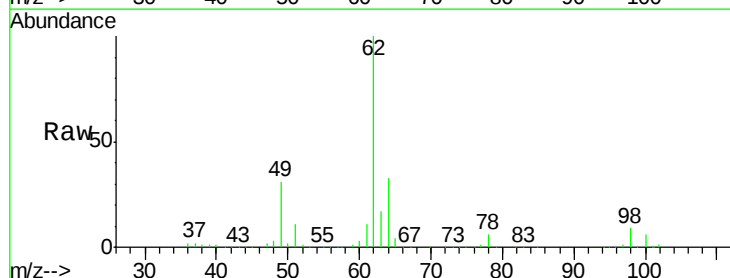
Acq: 24 Apr 2019 14:24

Tgt Ion: 62 Resp: 169117

Ion Ratio Lower Upper

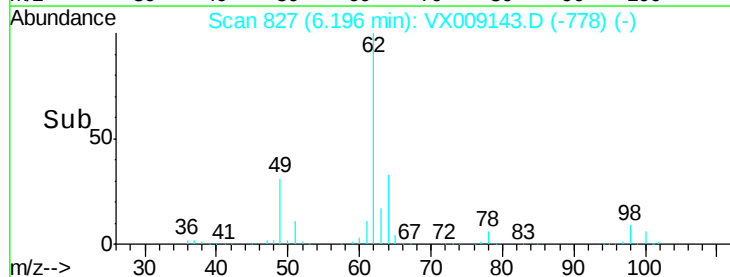
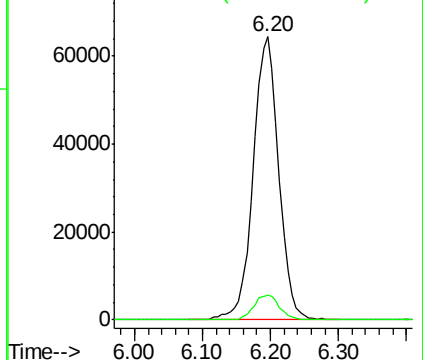
62 100

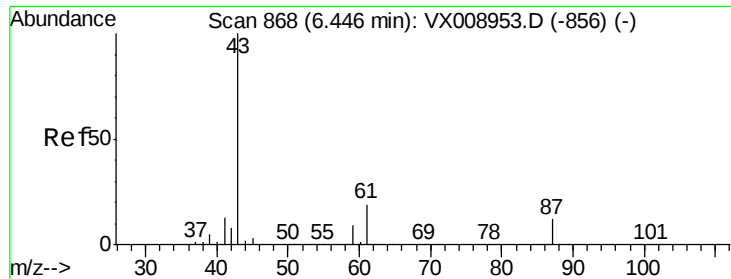
98 8.9 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

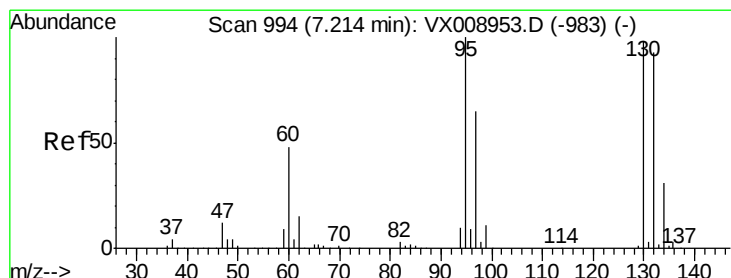
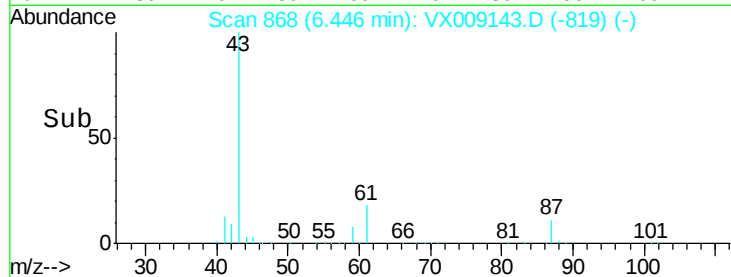
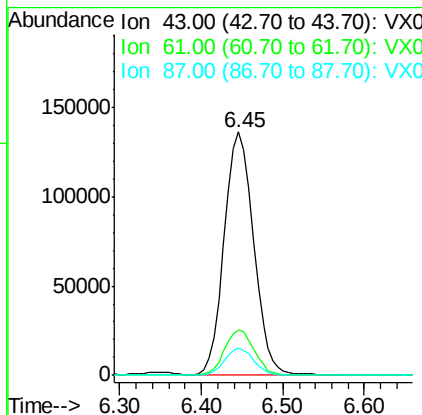
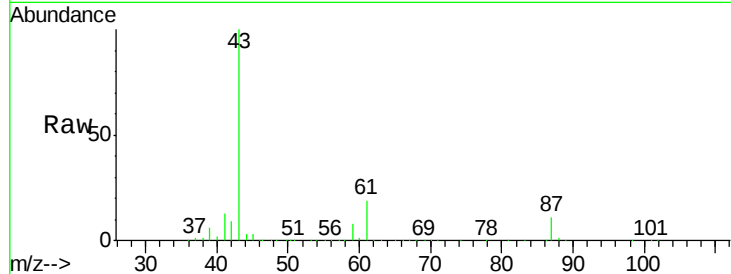
Isopropyl Acetate
 Concen: 54.681 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX009143.D
 Acq: 24 Apr 2019 14:24

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.4	23.0
87	11.0	9.0	13.4

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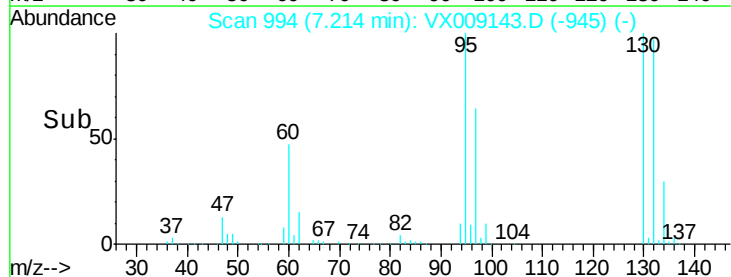
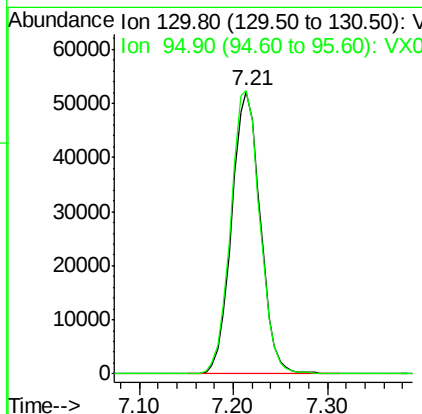
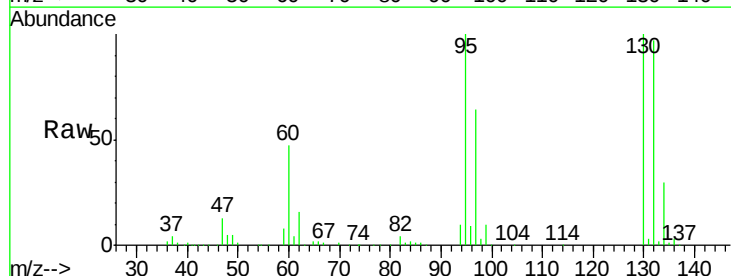
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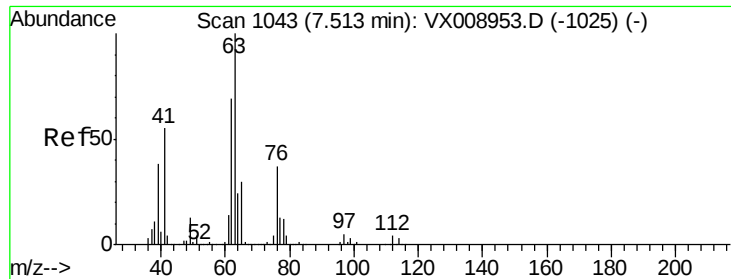


#44

Trichloroethene
 Concen: 50.933 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009143.D
 Acq: 24 Apr 2019 14:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.1	0.0	203.2





#45

1,2-Dichloropropane

Concen: 55.337 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009143.D

Acq: 24 Apr 2019 14:24

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MS

Tot Ion: 63 Resp: 135376

Ion Ratio Lower Upper

63 100

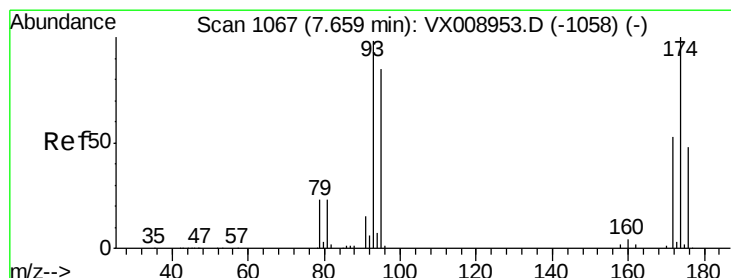
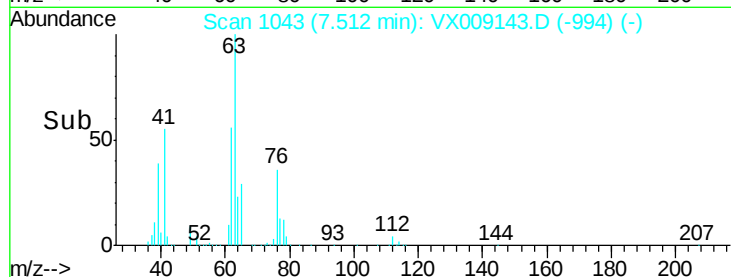
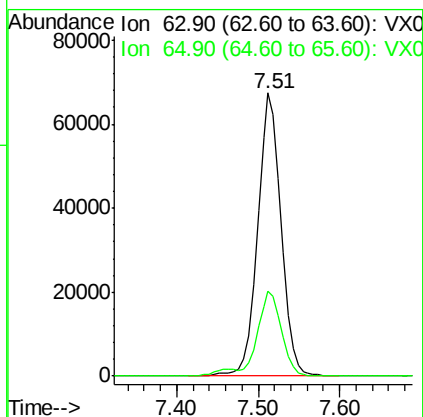
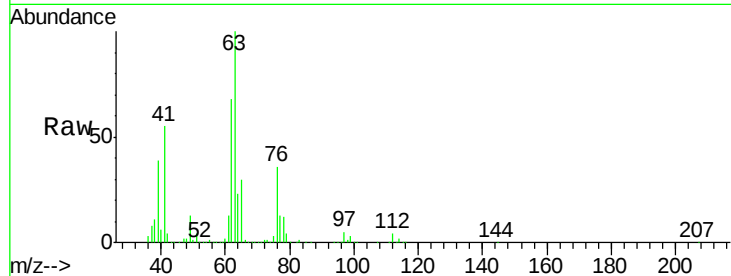
65 30.2 24.1 36.1

Manual Integrations

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#46

Dibromomethane

Concen: 53.926 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009143.D

Acq: 24 Apr 2019 14:24

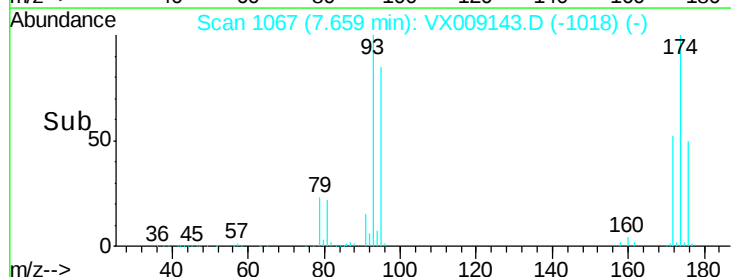
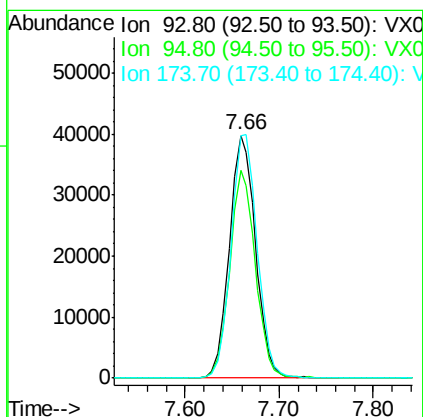
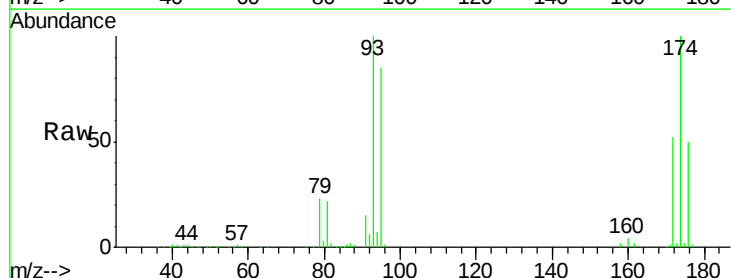
Tgt Ion: 93 Resp: 76777

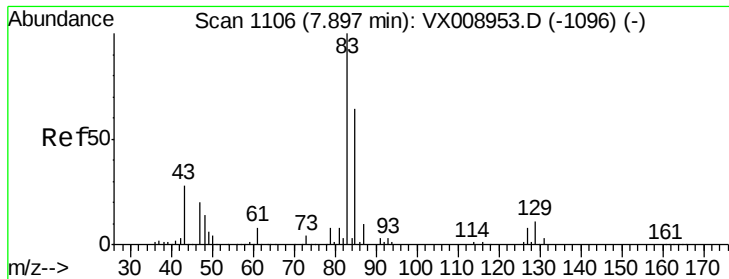
Ion Ratio Lower Upper

93 100

95 83.8 67.0 100.4

174 100.5 81.6 122.4





#47

Bromodichloromethane

Concen: 55.211 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009143.D

Acq: 24 Apr 2019 14:24

Instrument :

MSVOA_X

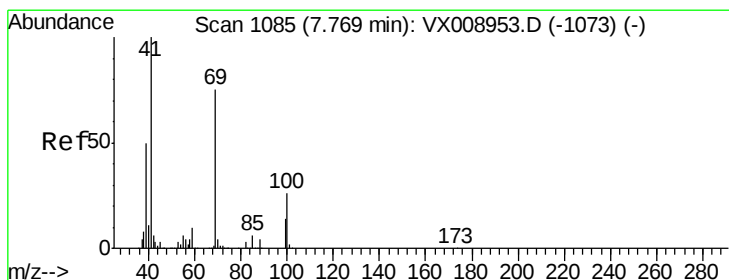
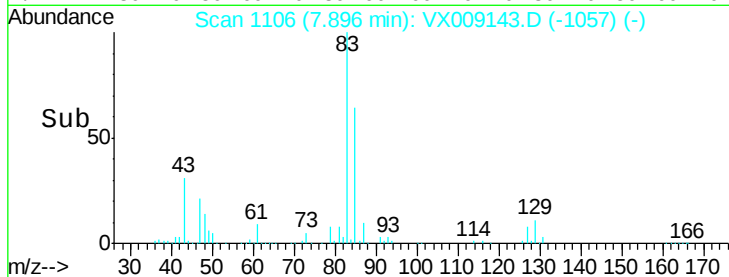
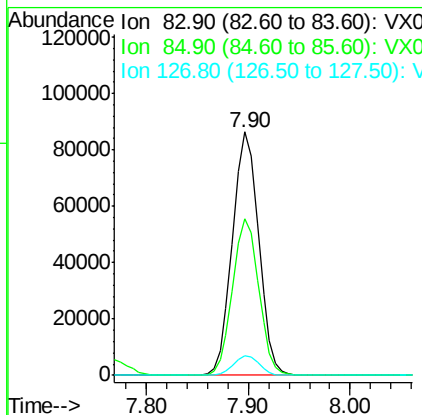
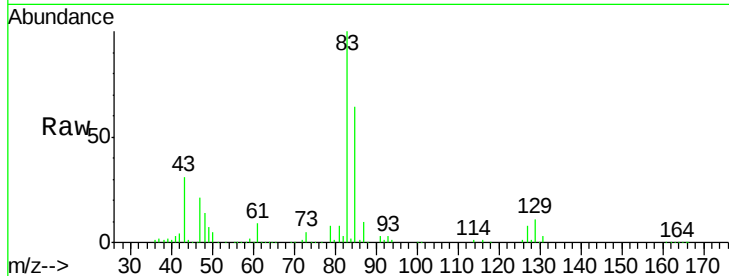
ClientSampleId :

S37-0016MS

Tot Ion:	83	Resp:	154177
Ion Ratio	Lower	Upper	
83	100		
85	64.2	50.8	76.2
127	8.0	6.4	9.6

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#48

Methyl methacrylate

Concen: 56.447 ug/l

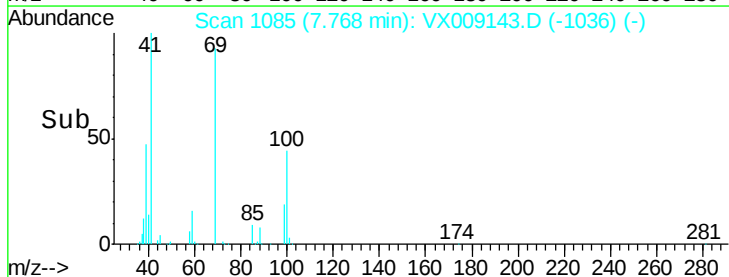
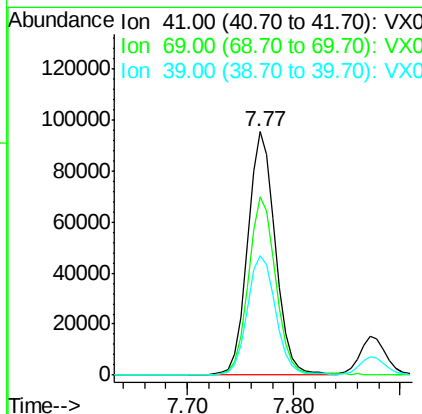
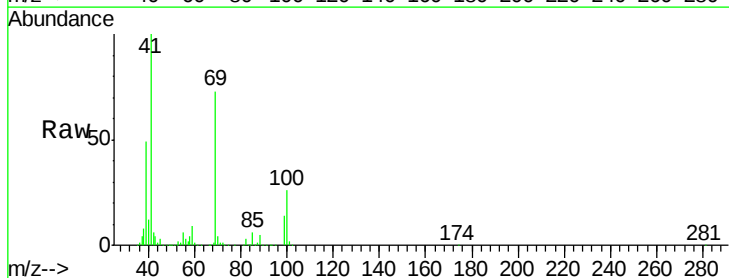
RT: 7.77 min Scan# 1085

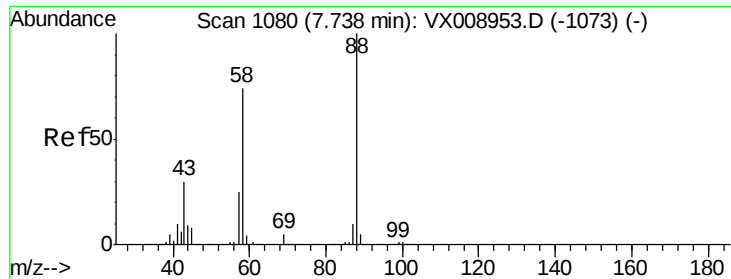
Delta R.T. -0.00 min

Lab File: VX009143.D

Acq: 24 Apr 2019 14:24

Tgt Ion:	41	Resp:	172881
Ion Ratio	Lower	Upper	
41	100		
69	73.7	59.4	89.2
39	50.3	39.8	59.6





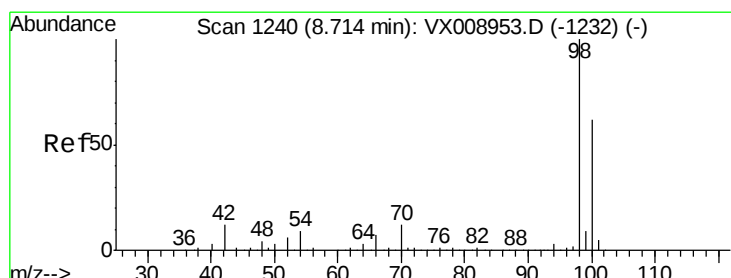
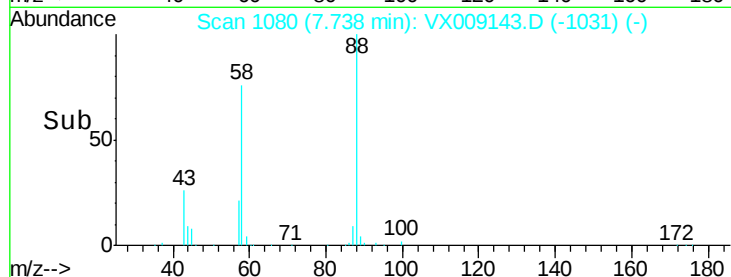
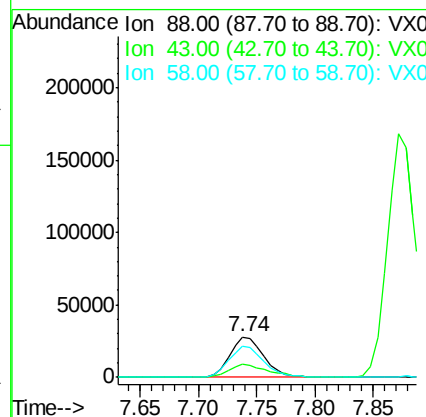
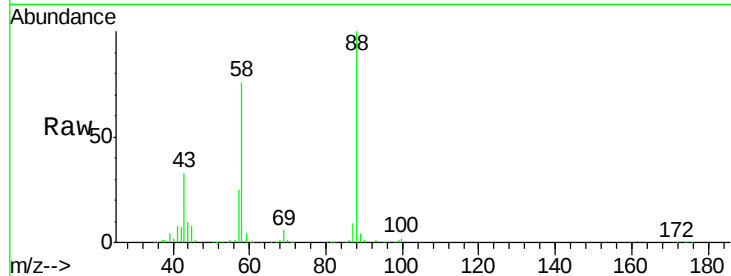
#49
1,4-Dioxane
Concen: 972.203 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009143.D
Acq: 24 Apr 2019 14:24

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.6	29.3	43.9
58	78.2	62.6	93.8

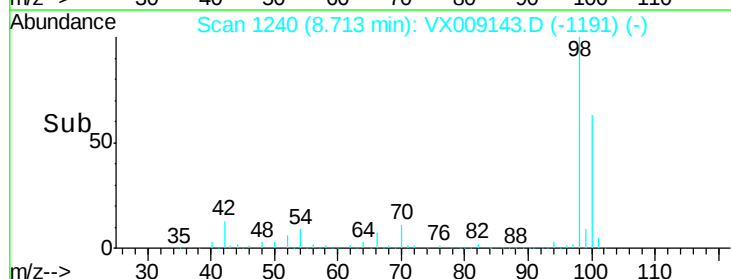
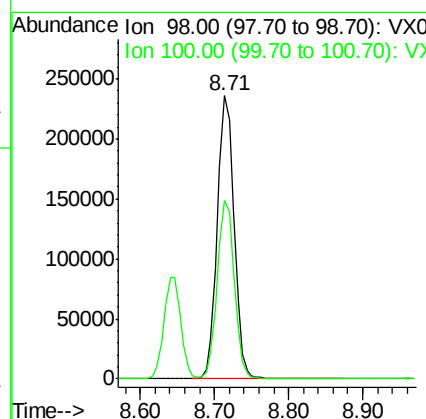
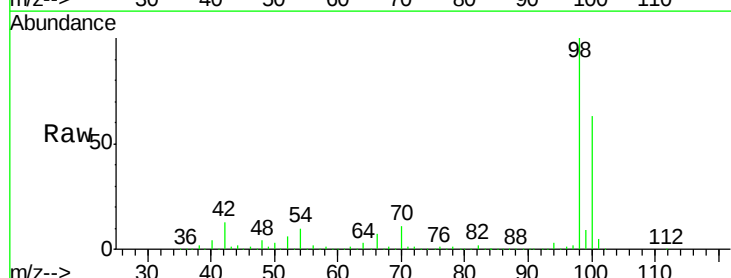
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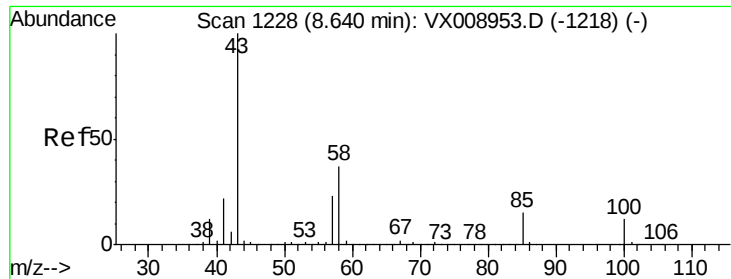
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#50
Toluene-d8
Concen: 49.632 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009143.D
Acq: 24 Apr 2019 14:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.4	77.2





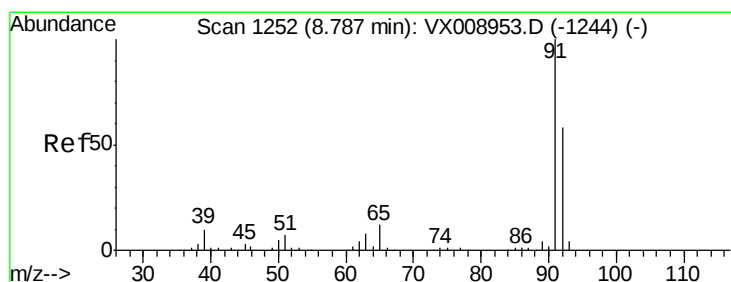
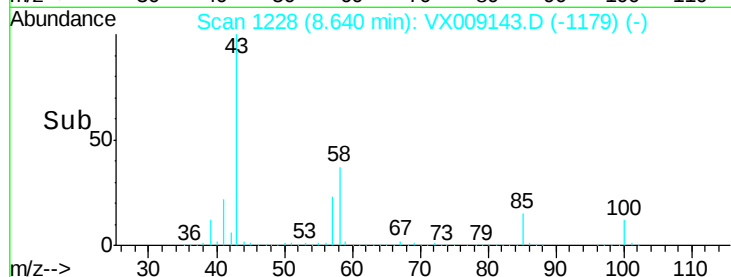
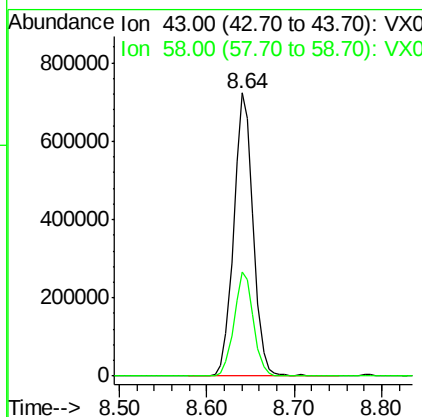
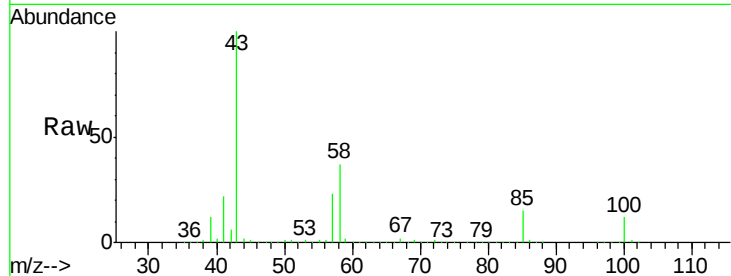
#51
4-Methyl-2-Pentanone
Concen: 284.443 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX009143.D
Acq: 24 Apr 2019 14:24

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MS

Tot Ion: 43 Resp: 1123232
Ion Ratio Lower Upper
43 100
58 36.7 29.8 44.6

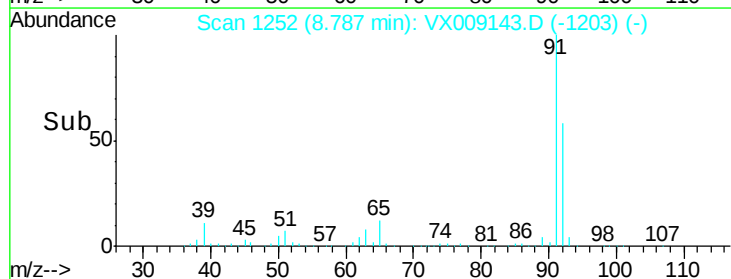
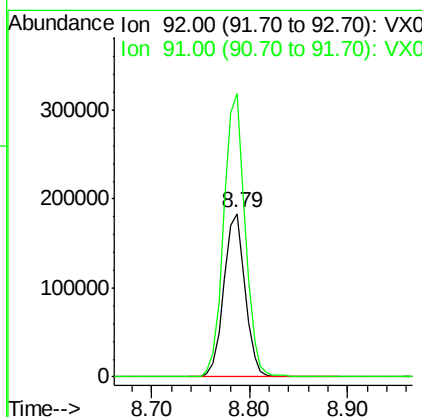
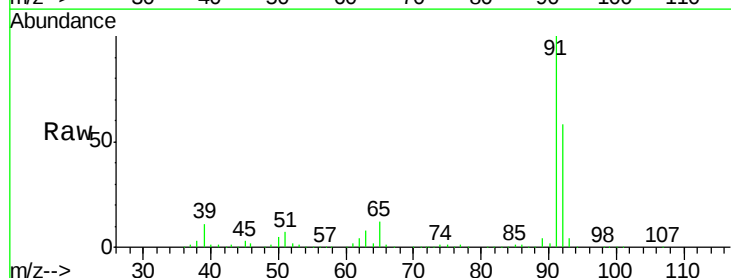
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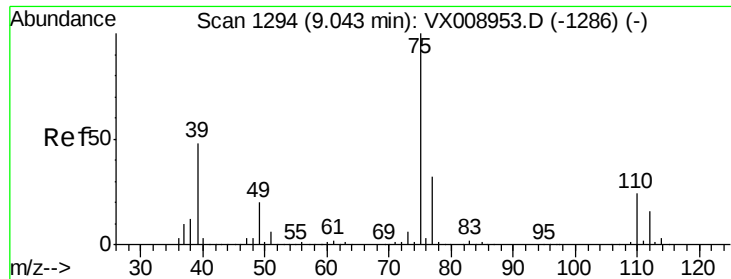
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#52
Toluene
Concen: 52.512 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX009143.D
Acq: 24 Apr 2019 14:24

Tgt Ion: 92 Resp: 277521
Ion Ratio Lower Upper
92 100
91 174.3 138.5 207.7





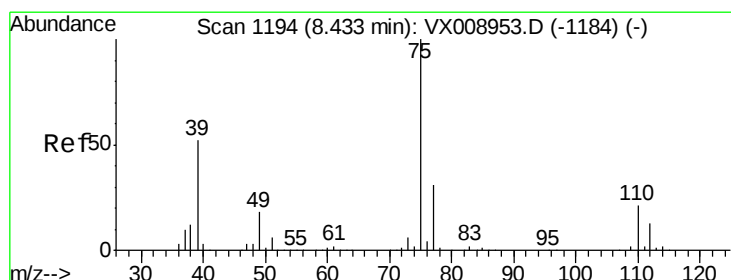
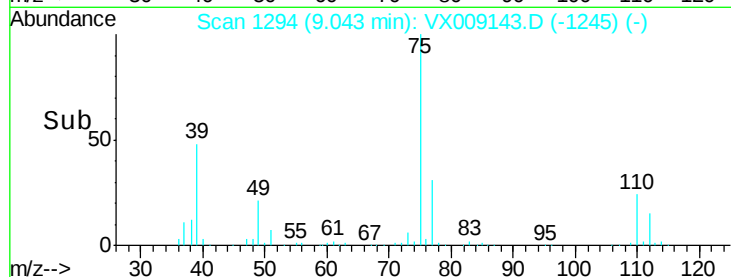
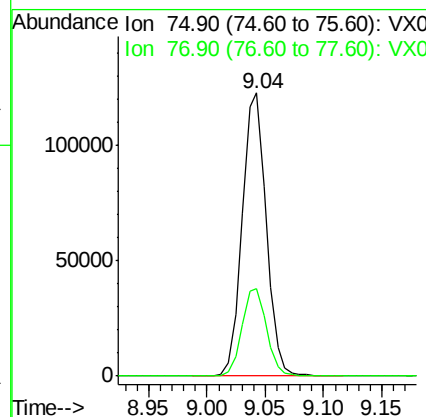
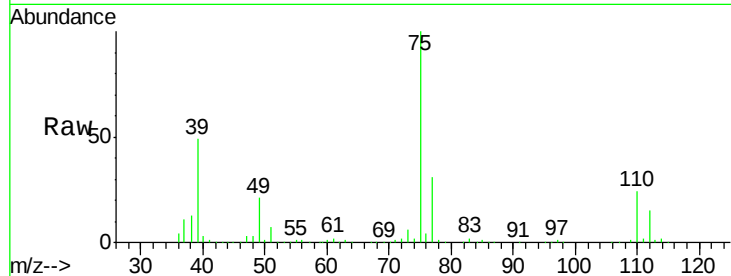
#53
t-1,3-Dichloropropene
Concen: 55.176 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX009143.D
Acq: 24 Apr 2019 14:24

Instrument :
MSVOA_X
ClientSampled :
S37-0016MS

Tot Ion: 75 Resp: 177322
Ion Ratio Lower Upper
75 100
77 31.1 25.4 38.2

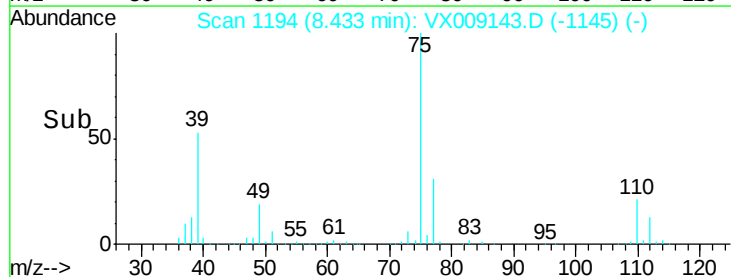
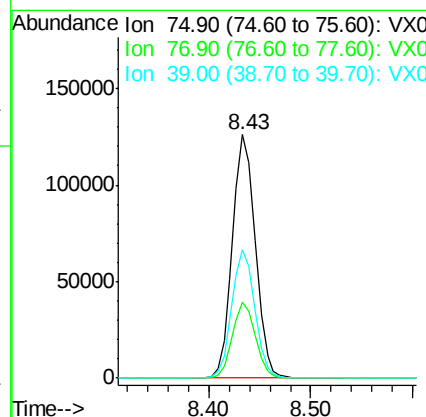
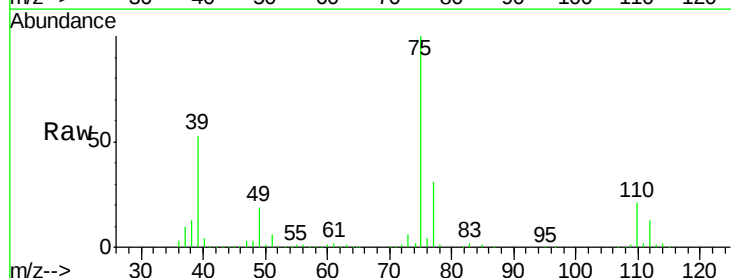
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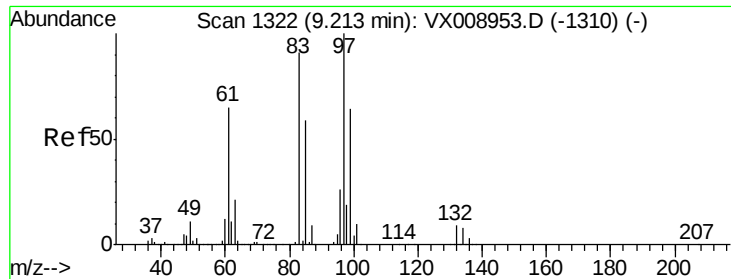
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 54.409 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX009143.D
Acq: 24 Apr 2019 14:24

Tgt Ion: 75 Resp: 195793
Ion Ratio Lower Upper
75 100
77 31.1 24.8 37.2
39 52.4 41.8 62.6





#55

1,1,2-Trichloroethane

Concen: 54.870 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX009143.D

Acq: 24 Apr 2019 14:24

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MS

Tot Ion: 97 Resp: 114930

Ion Ratio Lower Upper

97 100

83 90.1 72.6 108.8

85 56.1 46.9 70.3

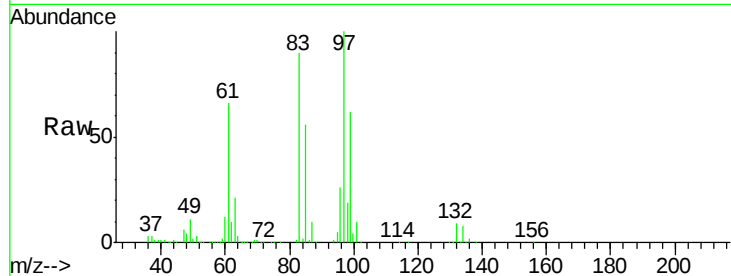
99 62.4 51.0 76.6

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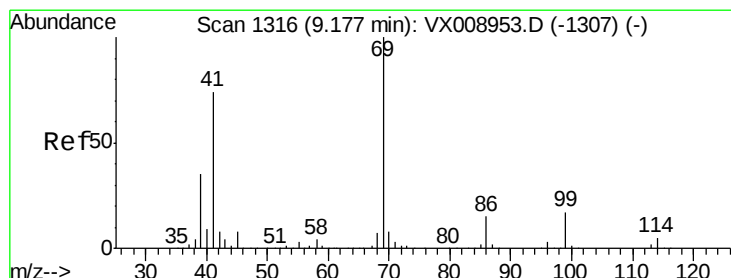
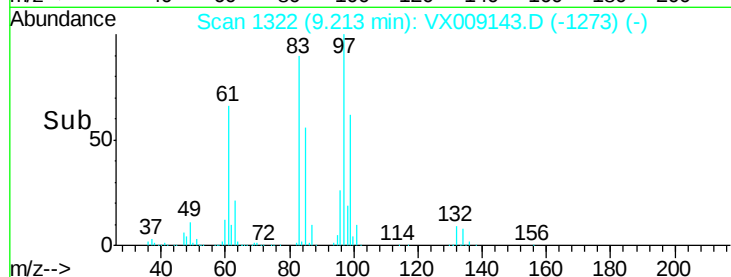
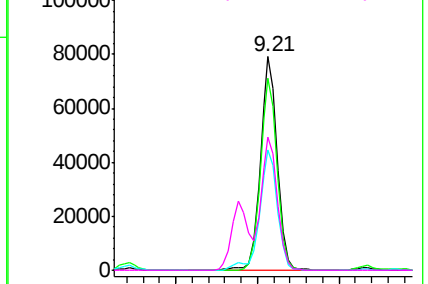


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 54.865 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX009143.D

Acq: 24 Apr 2019 14:24

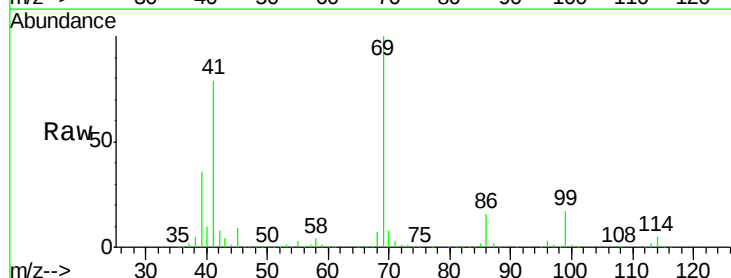
Tgt Ion: 69 Resp: 206059

Ion Ratio Lower Upper

69 100

41 77.0 60.2 90.2

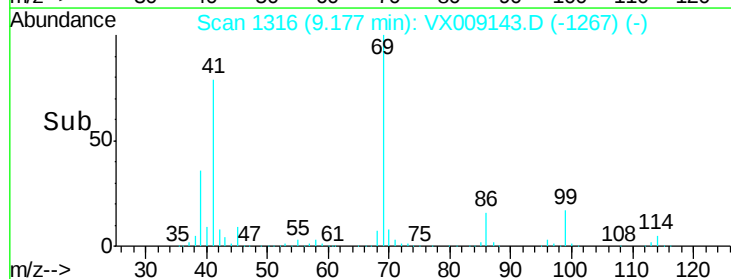
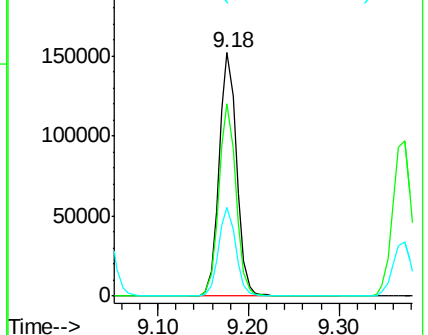
39 35.7 27.9 41.9

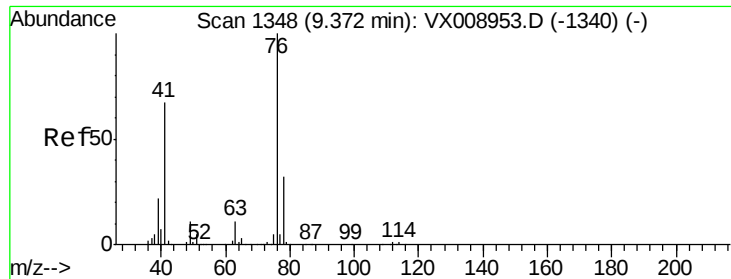


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 54.656 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX009143.D

Acq: 24 Apr 2019 14:24

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MS

Tot Ion: 76 Resp: 203834

Ion Ratio Lower Upper

76 100

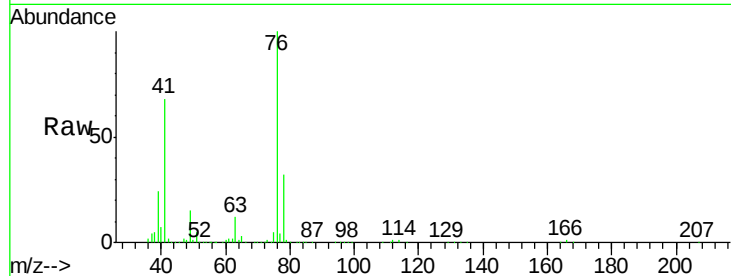
78 31.7 25.7 38.5

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

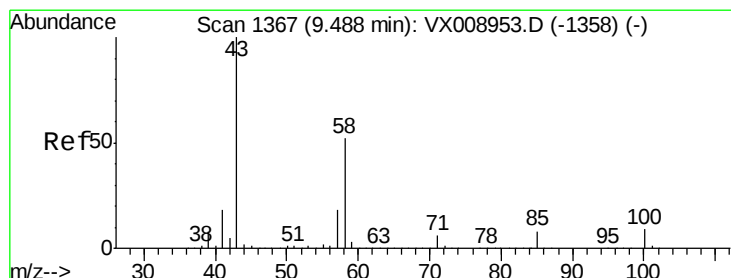
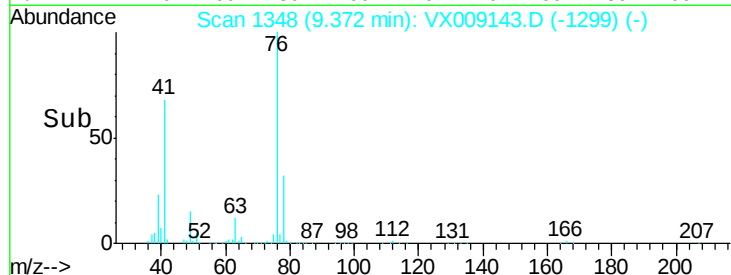
150000

100000

50000

0

Time-->



#59

2-Hexanone

Concen: 281.758 ug/l

RT: 9.49 min Scan# 1368

Delta R.T. 0.01 min

Lab File: VX009143.D

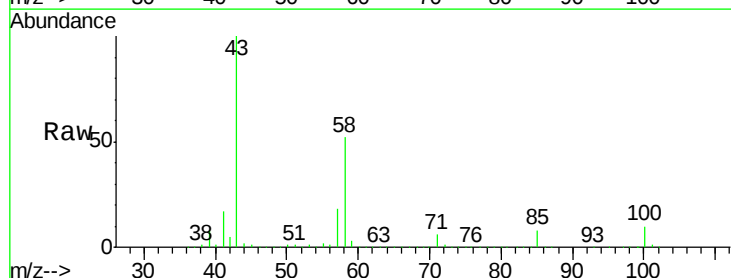
Acq: 24 Apr 2019 14:24

Tgt Ion: 43 Resp: 857814

Ion Ratio Lower Upper

43 100

58 51.2 25.9 77.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.49

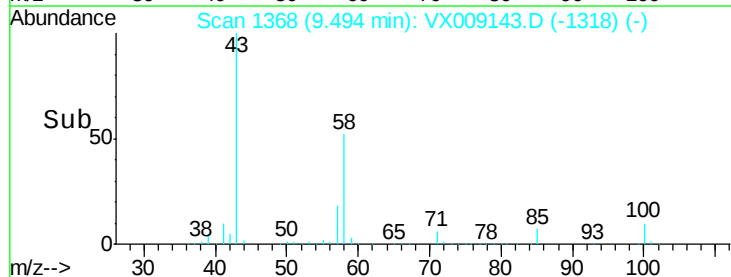
600000

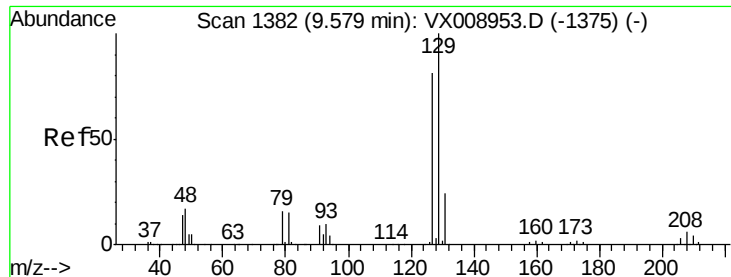
400000

200000

0

Time-->





#60

Dibromochloromethane

Concen: 56.282 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX009143.D

Acq: 24 Apr 2019 14:24

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MS

Tot Ion:129 Resp: 112984

Ion Ratio Lower Upper

129 100

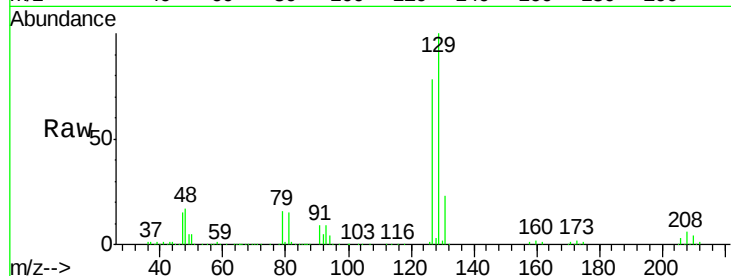
127 77.1 39.1 117.2

Manual Integrations

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

80000

60000

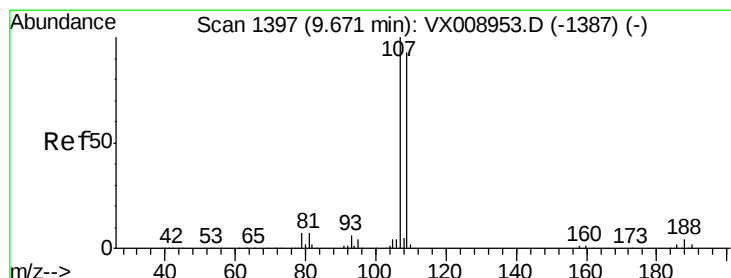
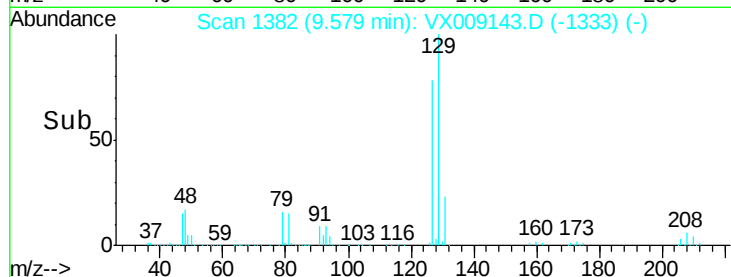
40000

20000

0

9.50 9.55 9.60 9.65

Time-->



#61

1,2-Dibromoethane

Concen: 54.004 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009143.D

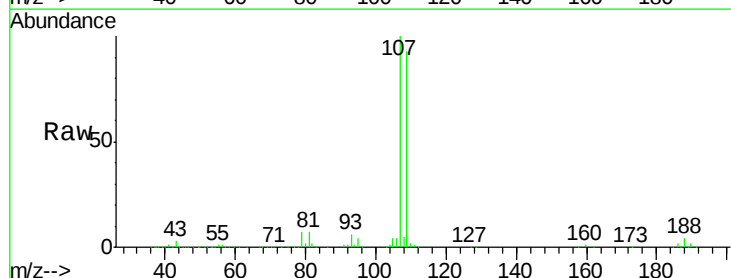
Acq: 24 Apr 2019 14:24

Tgt Ion:107 Resp: 116744

Ion Ratio Lower Upper

107 100

109 94.0 74.4 111.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

100000

80000

60000

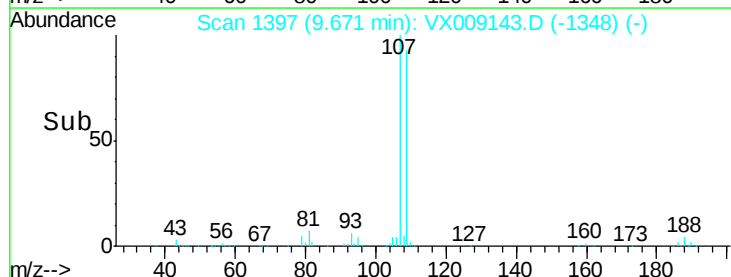
40000

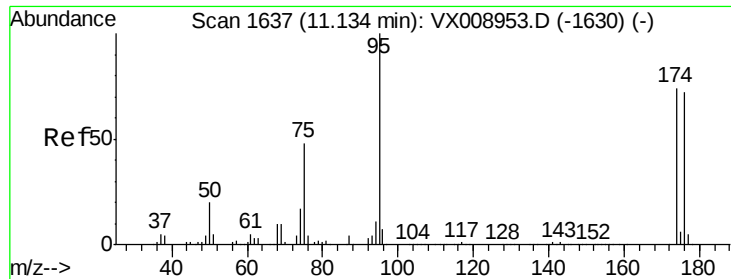
20000

0

9.60 9.65 9.70 9.75

Time-->





#62

4-Bromofluorobenzene

Concen: 50.242 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009143.D

Acq: 24 Apr 2019 14:24

Instrument :

MSVOA_X

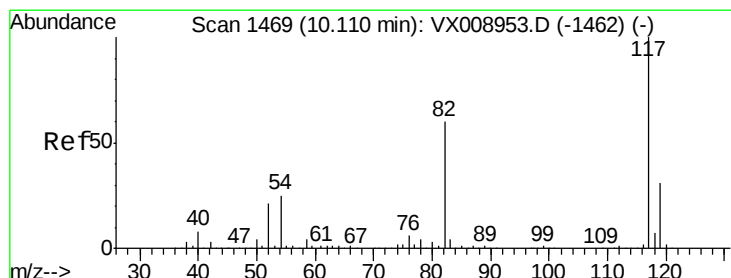
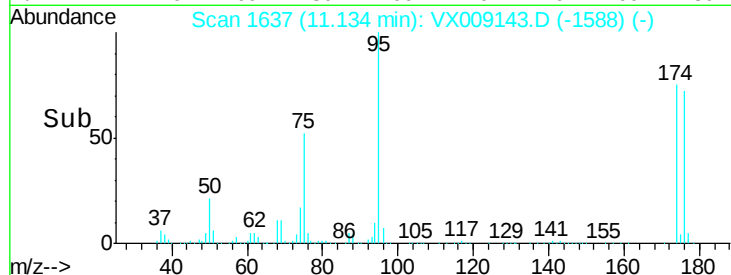
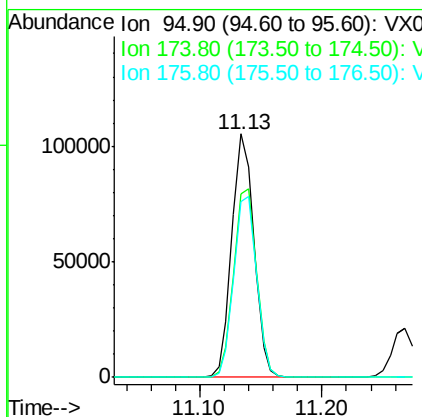
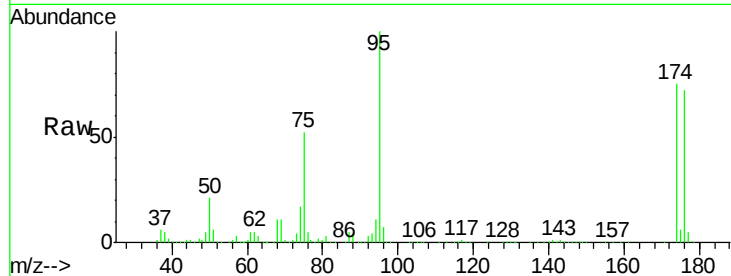
ClientSampled :

S37-0016MS

Tot Ion:	95	Resp:	131199
Ion Ratio	Lower	Upper	
95	100		
174	80.0	0.0	159.6
176	76.8	0.0	154.8

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

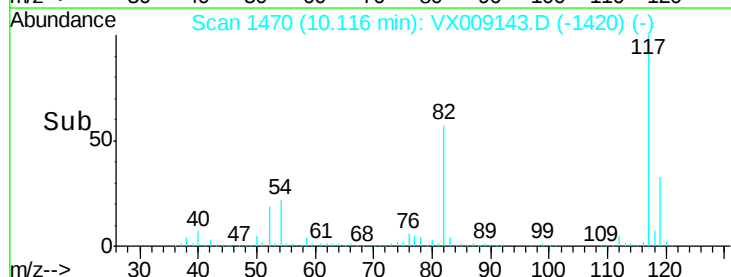
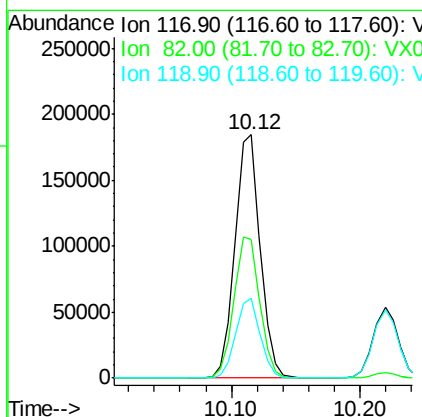
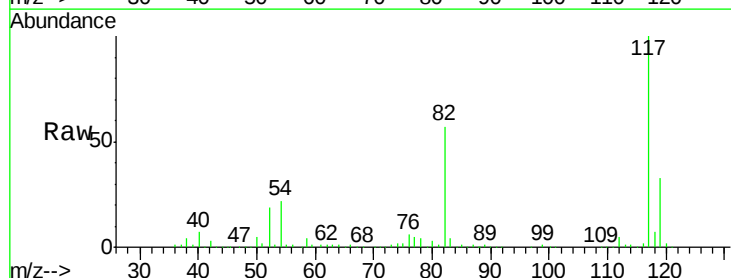
RT: 10.12 min Scan# 1470

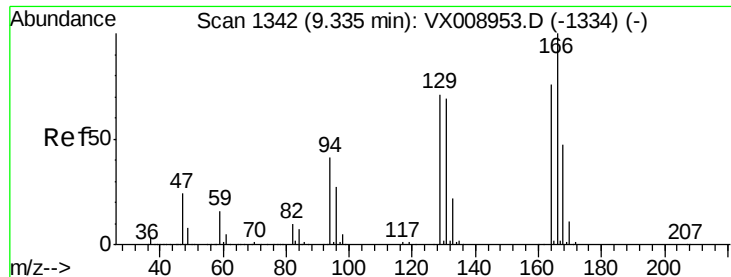
Delta R.T. 0.01 min

Lab File: VX009143.D

Acq: 24 Apr 2019 14:24

Tgt Ion:	117	Resp:	253049
Ion Ratio	Lower	Upper	
117	100		
82	56.7	48.2	72.4
119	32.7	25.0	37.6





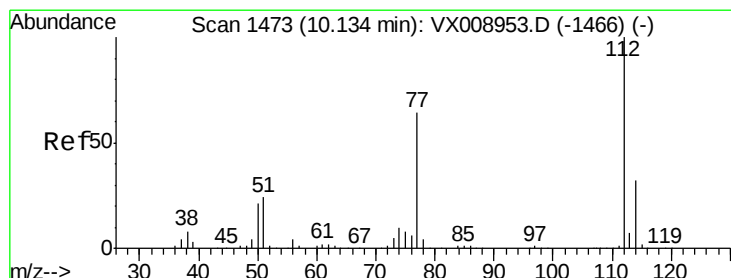
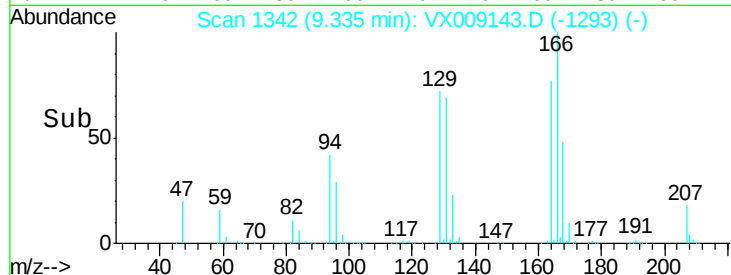
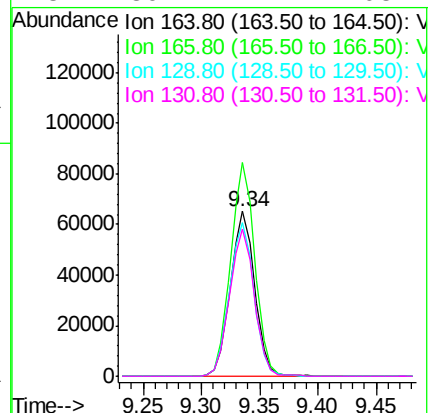
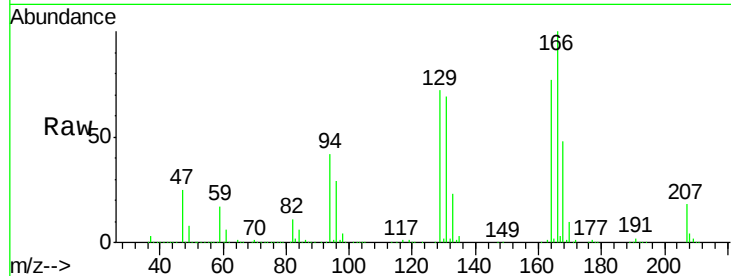
#64
Tetrachloroethene
Concen: 48.978 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009143.D
Acq: 24 Apr 2019 14:24

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MS

Tot Ion	Ratio	Lower	Upper
164	100		
166	129.7	105.0	157.4
129	93.4	74.2	111.4
131	89.4	72.2	108.2

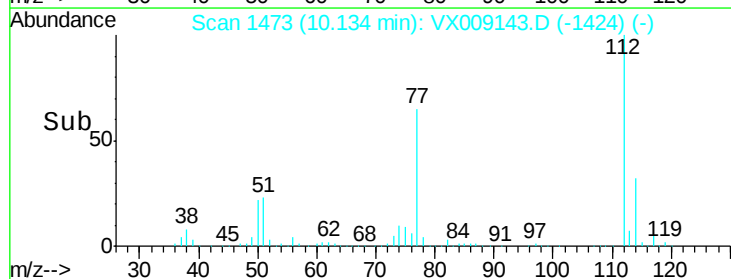
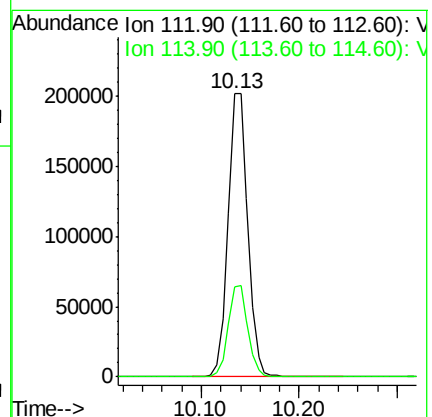
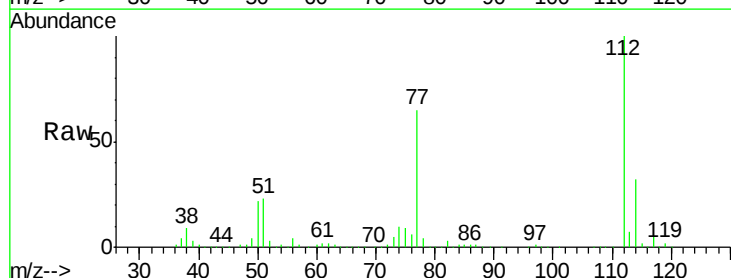
Manual Integrations
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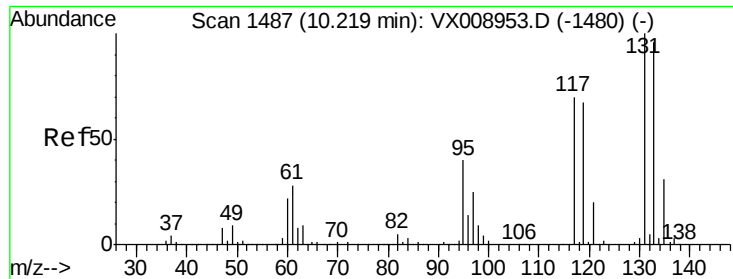
MMDadoda
4/25/2019 12:34:26 PM



#65
Chlorobenzene
Concen: 52.689 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX009143.D
Acq: 24 Apr 2019 14:24

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.4	38.0





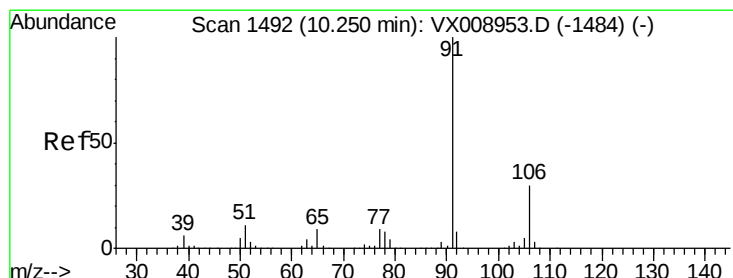
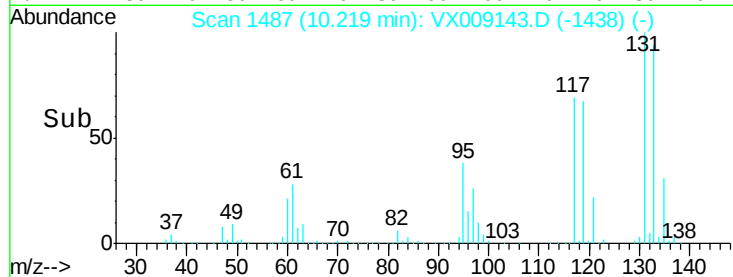
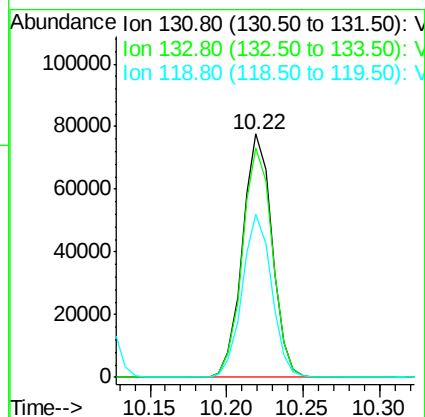
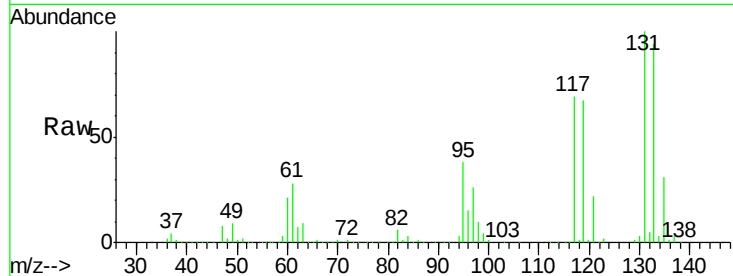
#66
 1,1,1,2-Tetrachloroethane
 Concen: 55.371 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VX009143.D
 Acq: 24 Apr 2019 14:24

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MS

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.9	48.0	144.2
119	66.8	33.7	101.1

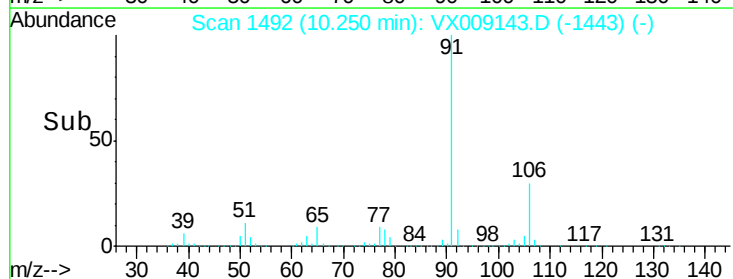
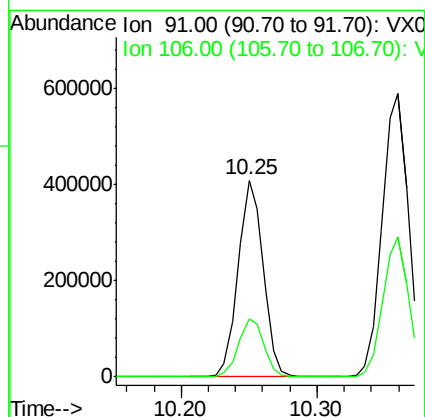
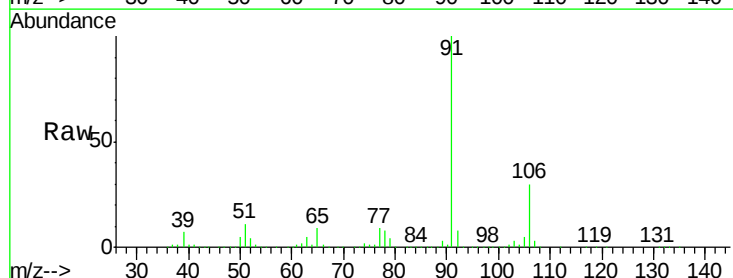
Manual Integrations
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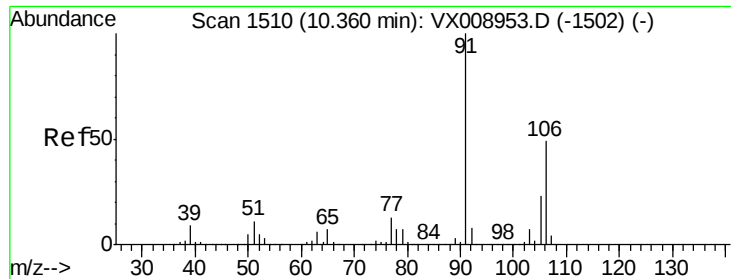
MMDadoda
 4/25/2019 12:34:26 PM



#67
 Ethyl Benzene
 Concen: 53.637 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: VX009143.D
 Acq: 24 Apr 2019 14:24

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.9	24.3	36.5





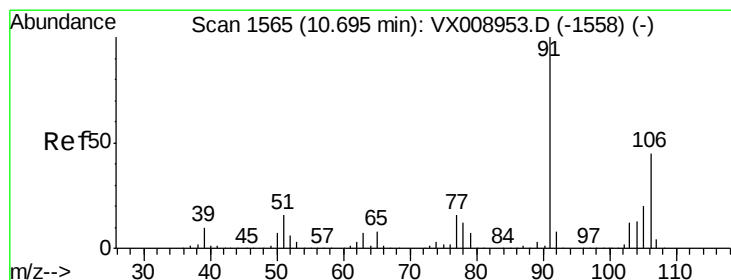
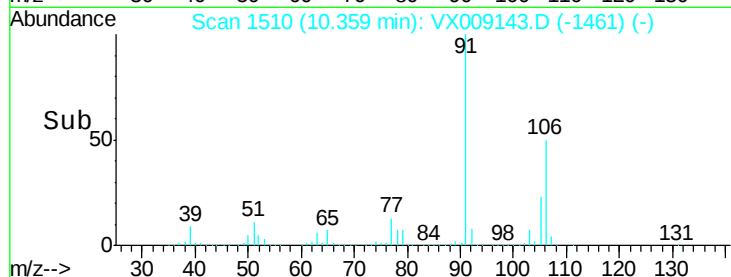
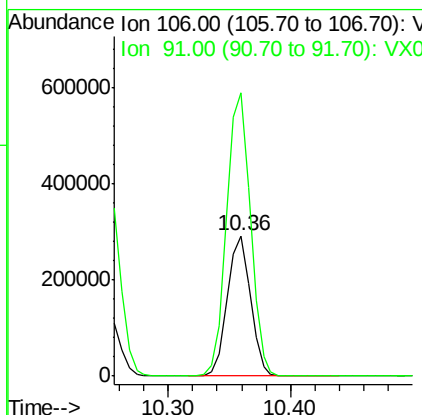
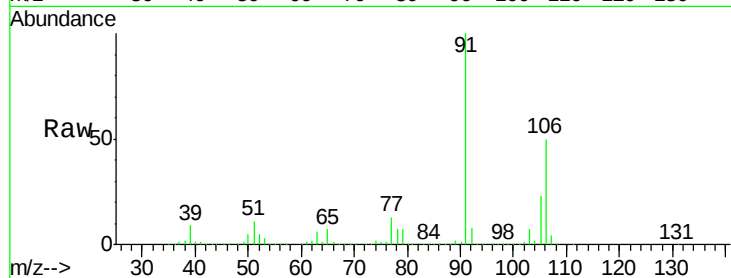
#68
m/p-Xvlenes
Concen: 107.563 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009143.D
Acq: 24 Apr 2019 14:24

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	208.1	165.4	248.2		

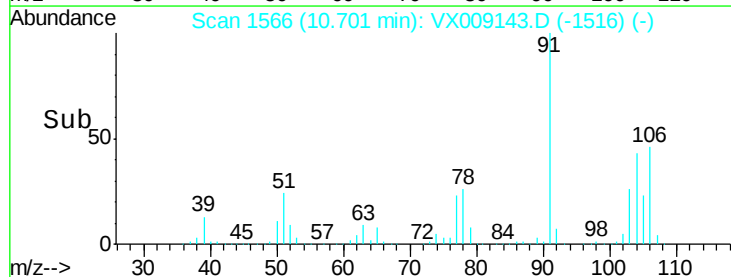
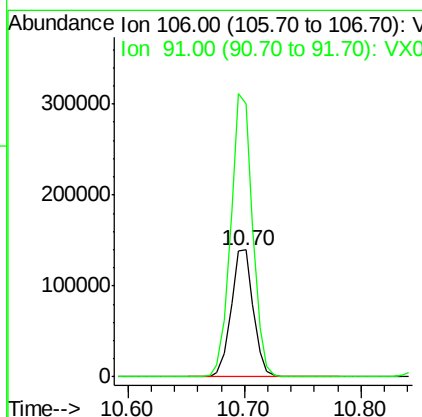
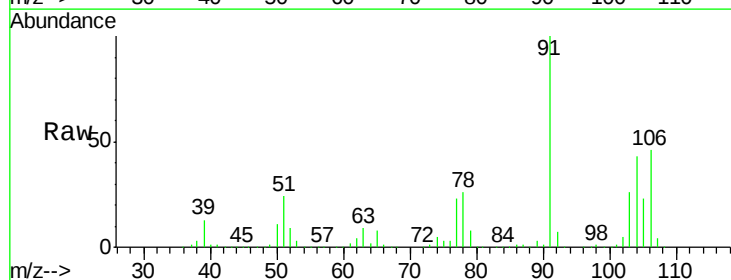
Manual Integrations
APPROVED

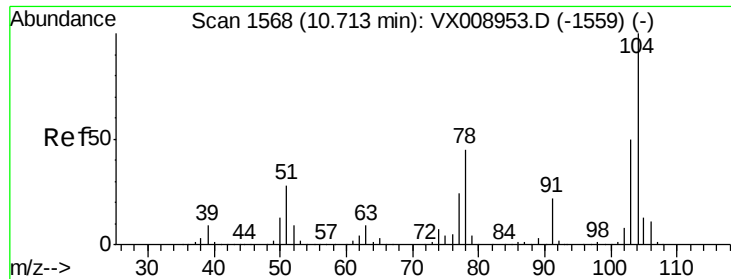
MMDadoda
4/25/2019 12:34:26 PM



#69
o-Xylene
Concen: 53.543 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX009143.D
Acq: 24 Apr 2019 14:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	219.6	108.9	326.7		





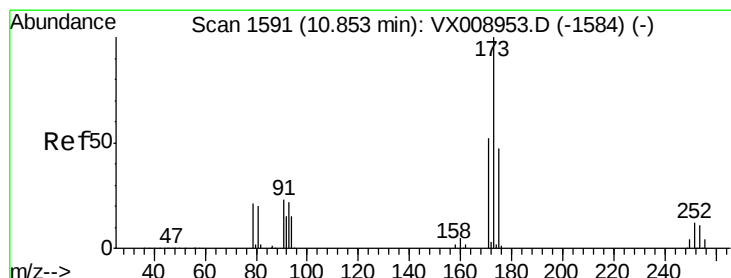
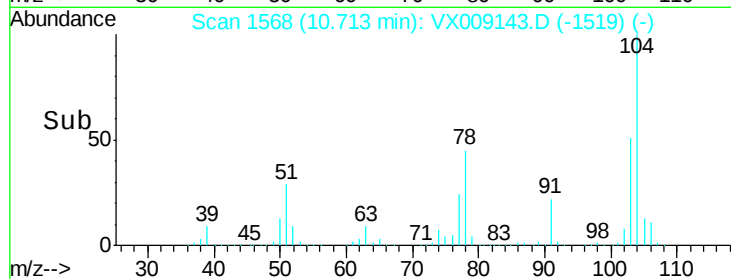
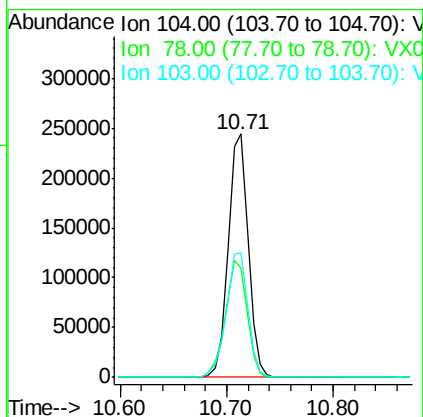
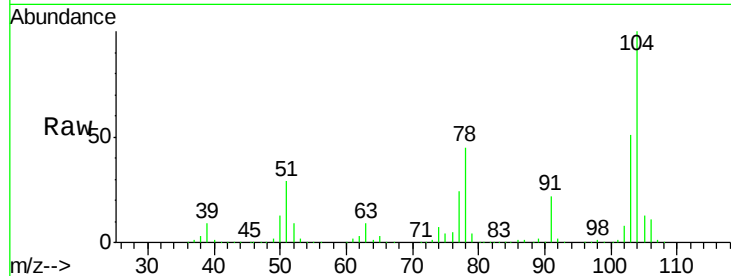
#70
Stvrene
Concen: 54.027 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009143.D
Acq: 24 Apr 2019 14:24

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MS

Tot Ion	Ratio	Resp	Lower	Upper
104	100	323256		
78	52.3	41.2	61.8	
103	55.5	43.9	65.9	

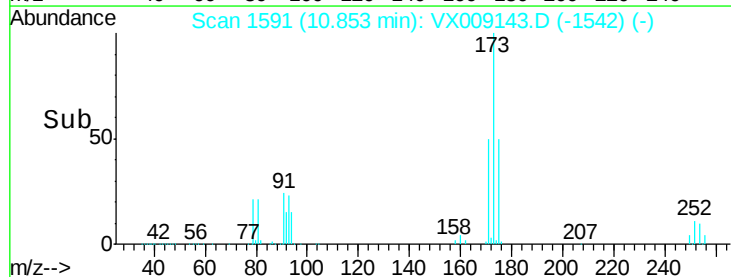
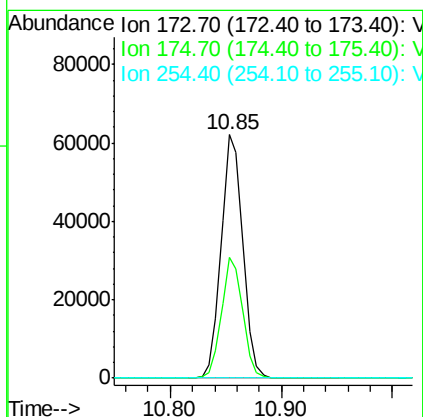
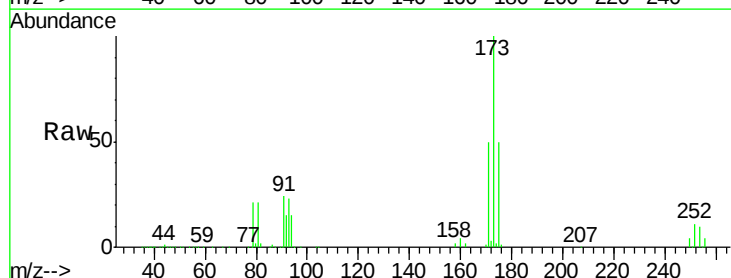
Manual Integrations
APPROVED

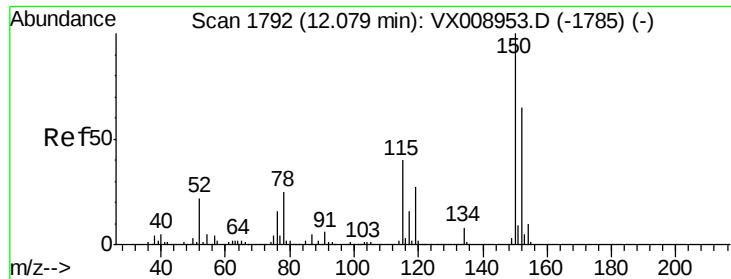
MMDadoda
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#71
Bromoform
Concen: 55.646 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX009143.D
Acq: 24 Apr 2019 14:24

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	83416		
175	48.5	23.9	71.8	
254	0.2	0.2	0.4#	





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009143.D

Acq: 24 Apr 2019 14:24

Instrument :

MSVOA_X

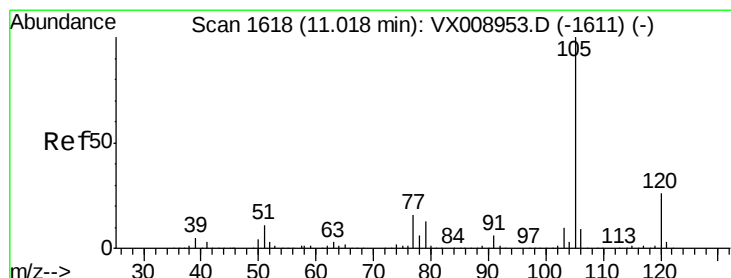
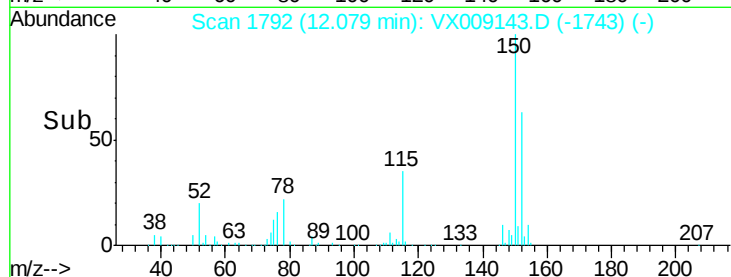
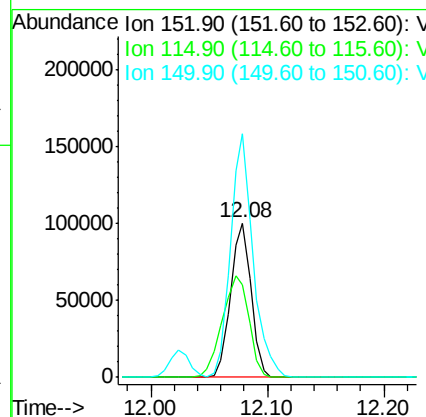
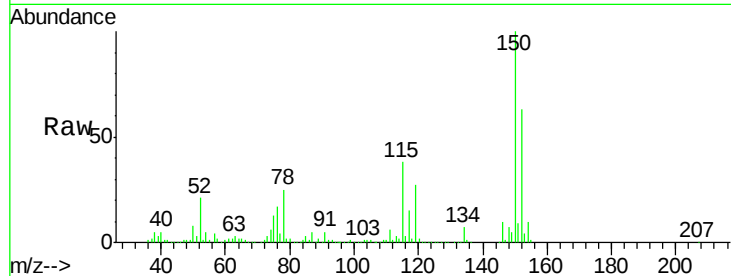
ClientSampleId :

S37-0016MS

Tot Ion:	152	Resp:	122536
Ion Ratio	Lower	Upper	
152	100		
115	84.8	41.4	124.2
150	172.6	0.0	349.8

Manual Integrations
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#73

Isopropylbenzene

Concen: 53.455 ug/l

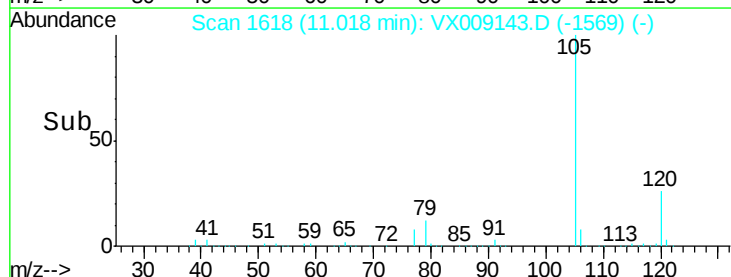
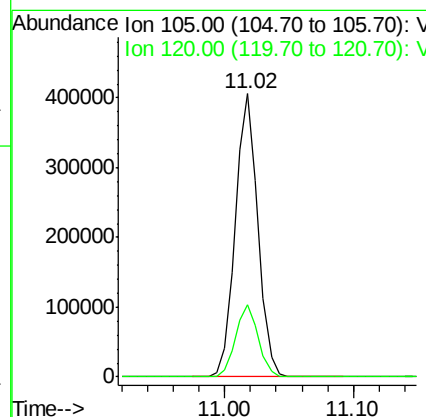
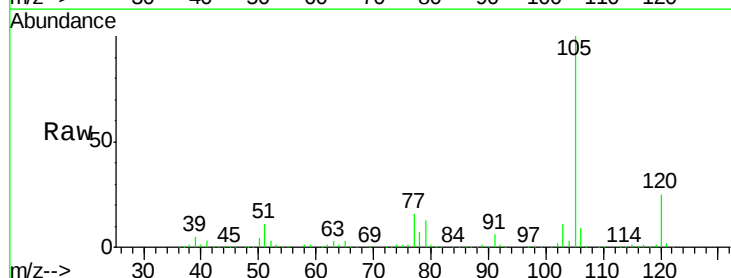
RT: 11.02 min Scan# 1618

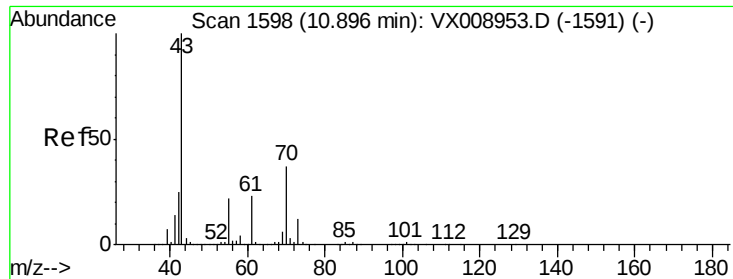
Delta R.T. -0.00 min

Lab File: VX009143.D

Acq: 24 Apr 2019 14:24

Tgt Ion:	105	Resp:	496498
Ion Ratio	Lower	Upper	
105	100		
120	25.7	12.9	38.7





#74

N-amvl acetate

Concen: 53.999 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009143.D

Acq: 24 Apr 2019 14:24

Instrument :

MSVOA_X

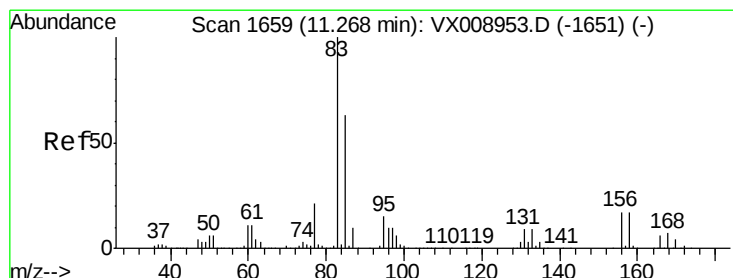
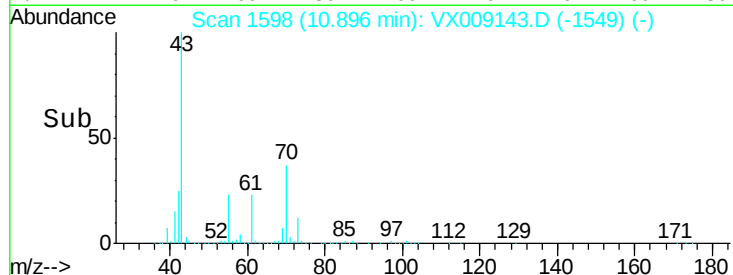
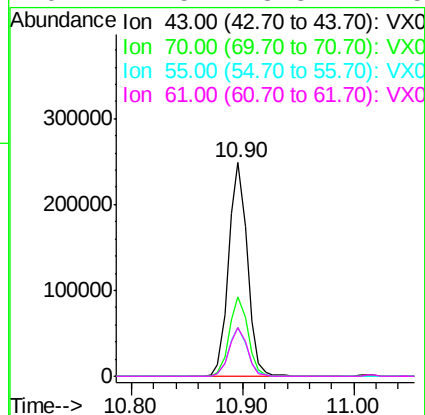
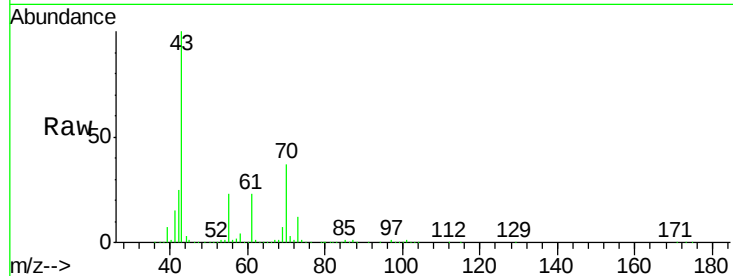
ClientSampleId :

S37-0016MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		287979		
70	37.3	29.9	44.9		
55	22.6	17.8	26.8		
61	22.5	18.3	27.5		

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 54.613 ug/l

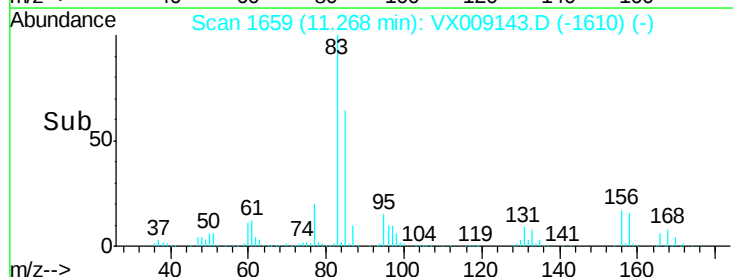
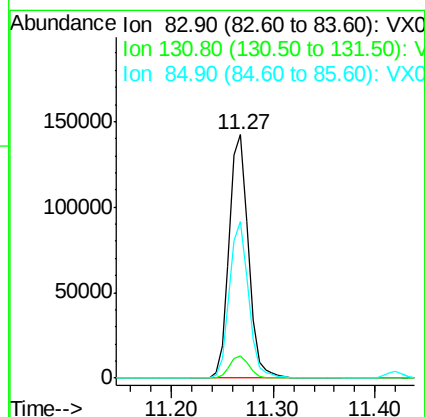
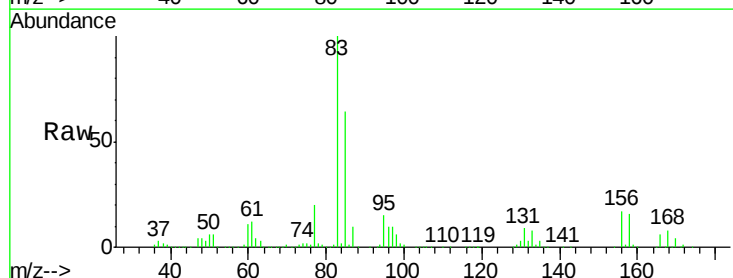
RT: 11.27 min Scan# 1659

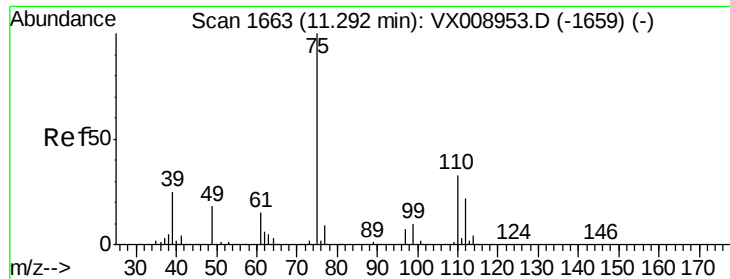
Delta R.T. -0.00 min

Lab File: VX009143.D

Acq: 24 Apr 2019 14:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		185339		
131	9.3	4.7	14.0		
85	63.6	31.9	95.9		





#76

1,2,3-Trichloropropane

Concen: 53.038 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX009143.D

Acq: 24 Apr 2019 14:24

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MS

Tot Ion: 75 Resp: 158693

Ion Ratio Lower Upper

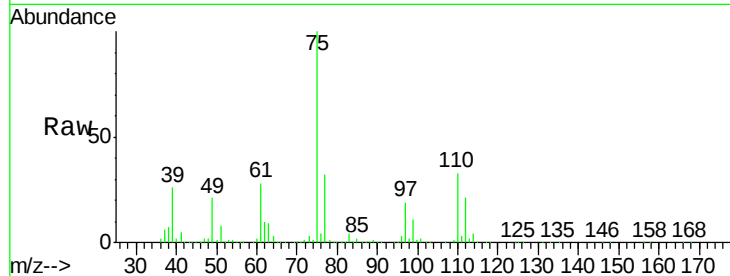
75 100

77 43.5 22.7 68.0

Manual Integrations
APPROVED

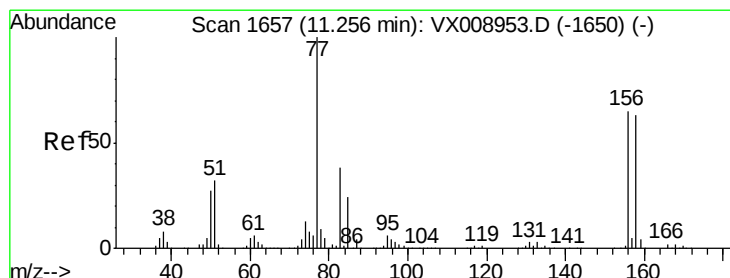
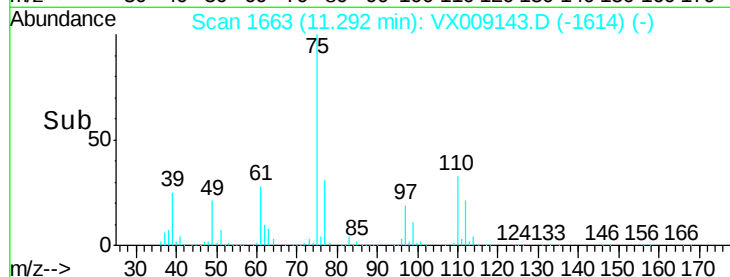
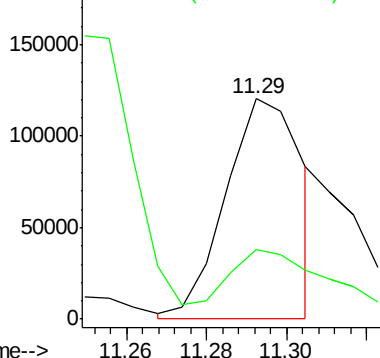
MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#77

Bromobenzene

Concen: 51.066 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009143.D

Acq: 24 Apr 2019 14:24

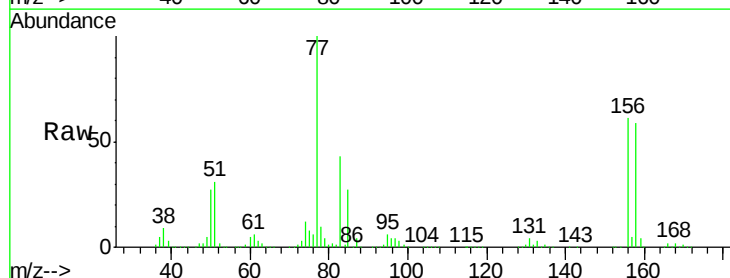
Tgt Ion: 156 Resp: 119671

Ion Ratio Lower Upper

156 100

77 172.6 85.4 256.1

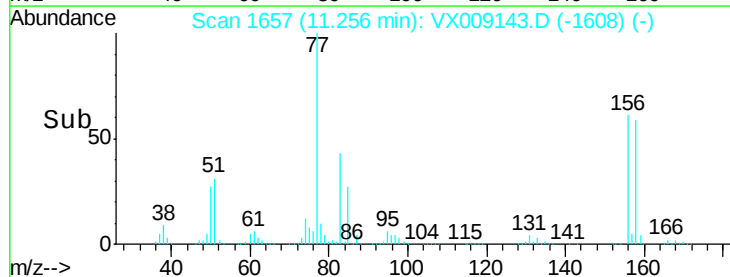
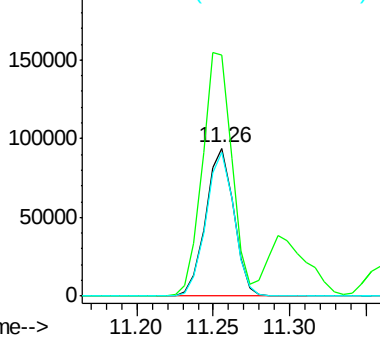
158 97.0 48.8 146.4

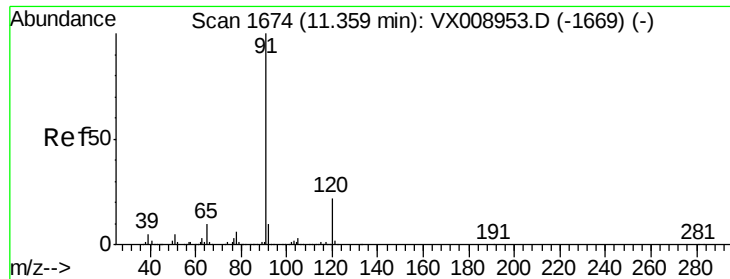


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 54.000 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009143.D

Acq: 24 Apr 2019 14:24

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MS

Tot Ion: 91 Resp: 575677

Ion Ratio Lower Upper

91 100

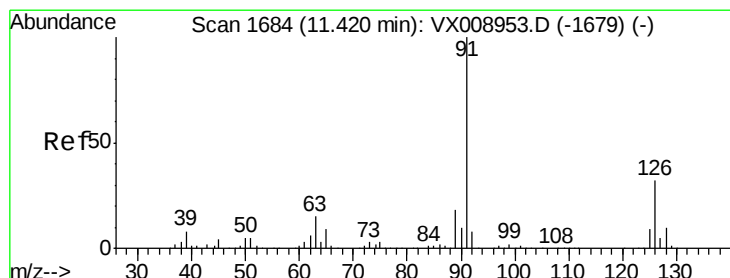
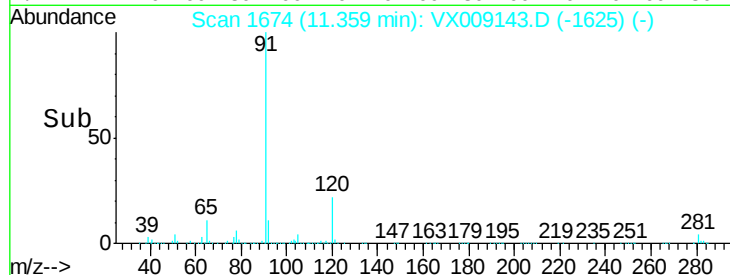
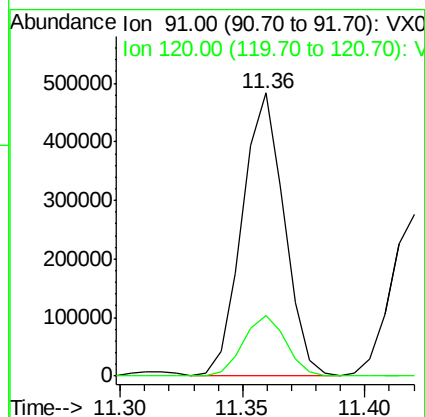
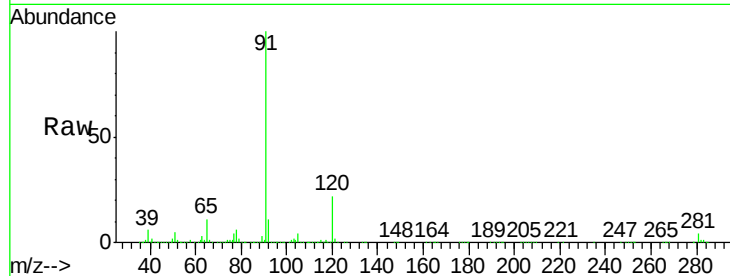
120 21.8 10.9 32.9

Manual Integrations

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#79

2-Chlorotoluene

Concen: 52.635 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009143.D

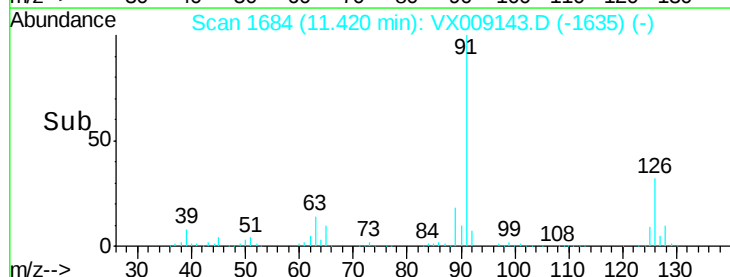
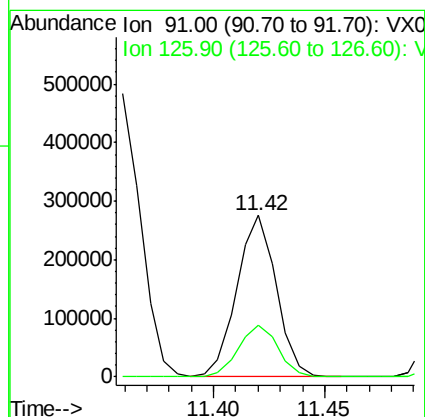
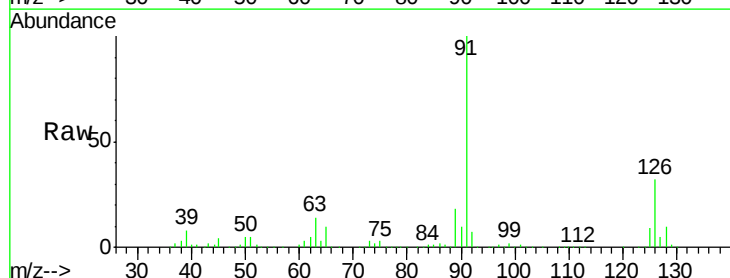
Acq: 24 Apr 2019 14:24

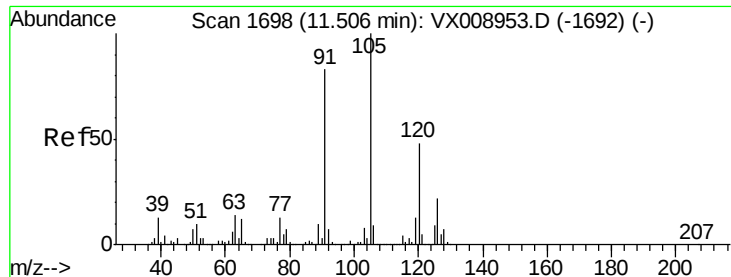
Tgt Ion: 91 Resp: 338132

Ion Ratio Lower Upper

91 100

126 32.5 16.3 48.9





#80

1,3,5-Trimethylbenzene

Concen: 53.440 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009143.D

Acq: 24 Apr 2019 14:24

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MS

Tot Ion:105 Resp: 416518

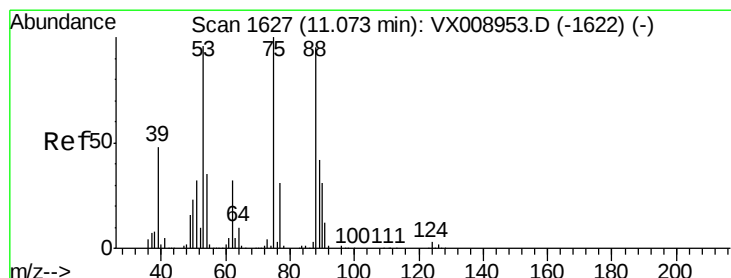
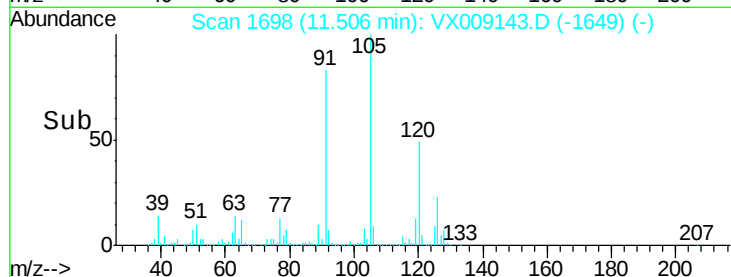
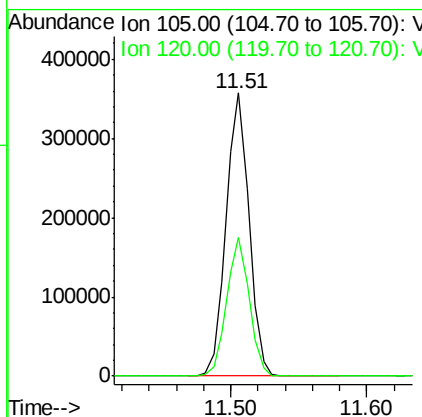
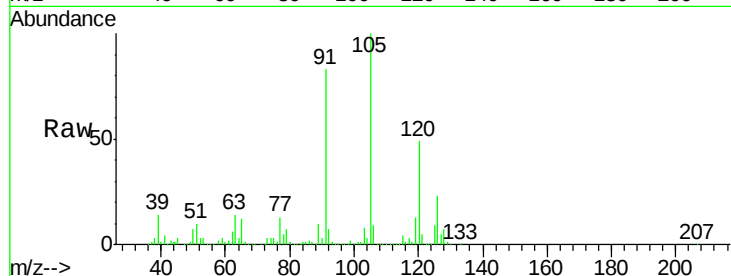
Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.3

Manual Integrations
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#81

trans-1,4-Dichloro-2-butene

Concen: 53.592 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009143.D

Acq: 24 Apr 2019 14:24

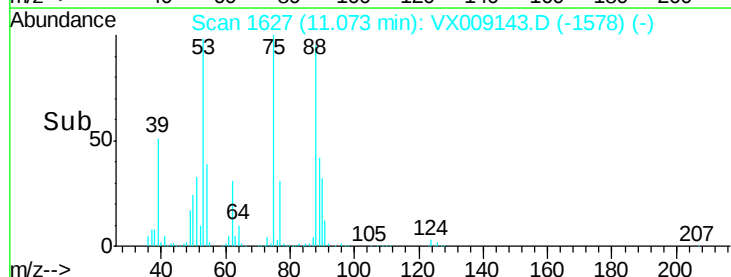
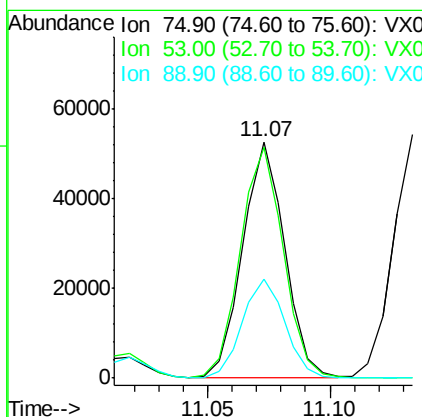
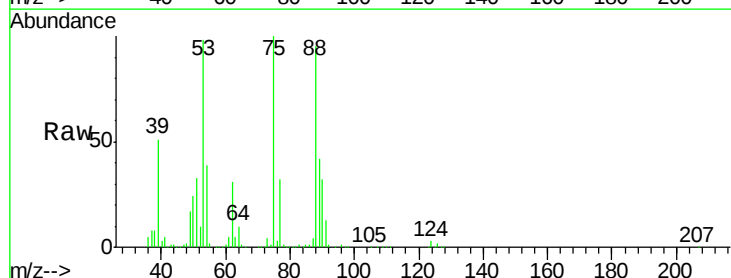
Tgt Ion: 75 Resp: 62460

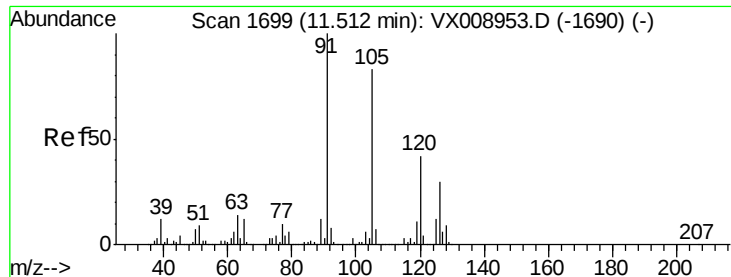
Ion Ratio Lower Upper

75 100

53 100.7 78.2 117.4

89 43.1 36.0 54.0





#82

4-Chlorotoluene

Concen: 52.407 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX009143.D

Acq: 24 Apr 2019 14:24

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MS

Tot Ion: 91 Resp: 391000

Ion Ratio Lower Upper

91 100

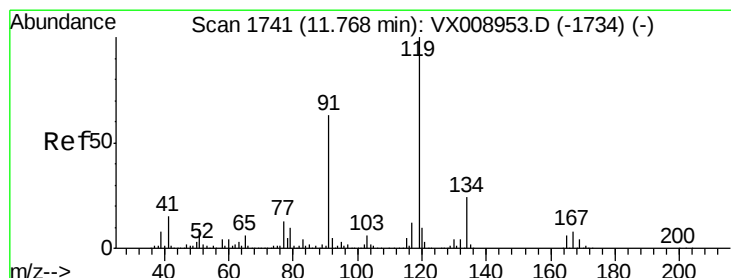
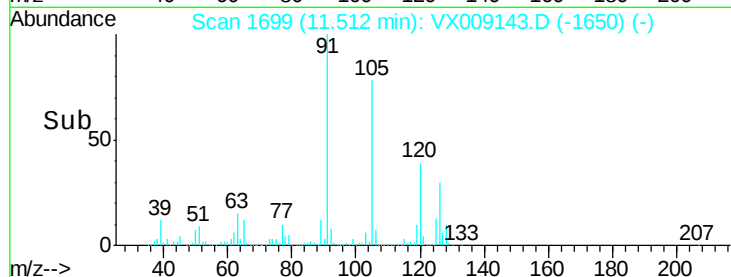
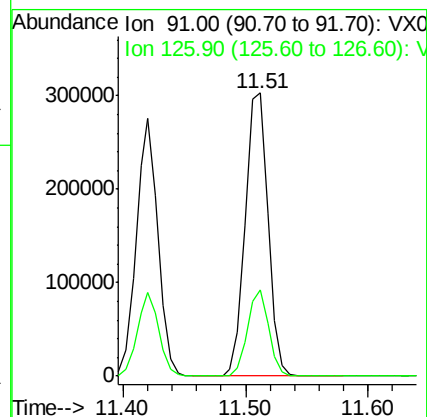
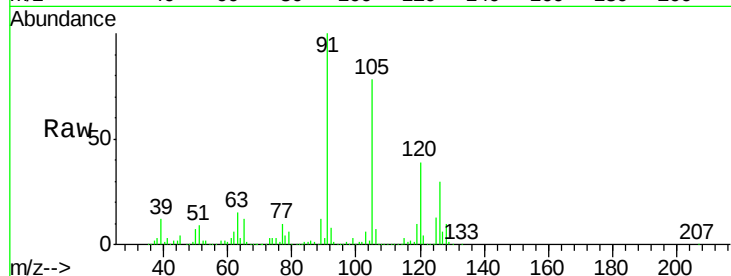
126 28.5 14.3 42.9

Manual Integrations

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#83

tert-Butylbenzene

Concen: 53.625 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX009143.D

Acq: 24 Apr 2019 14:24

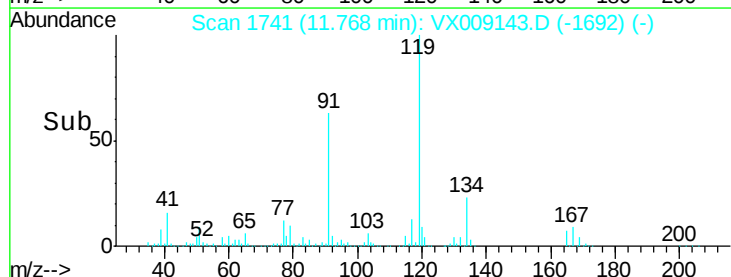
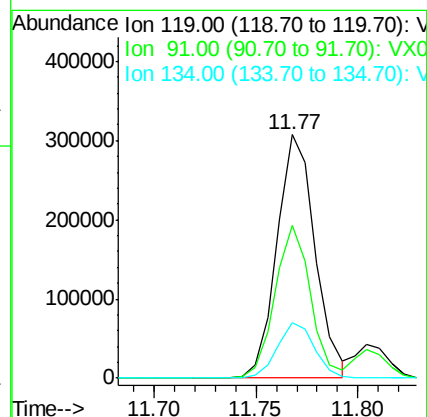
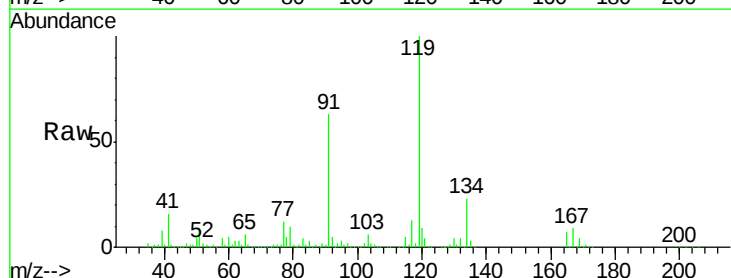
Tgt Ion: 119 Resp: 401283

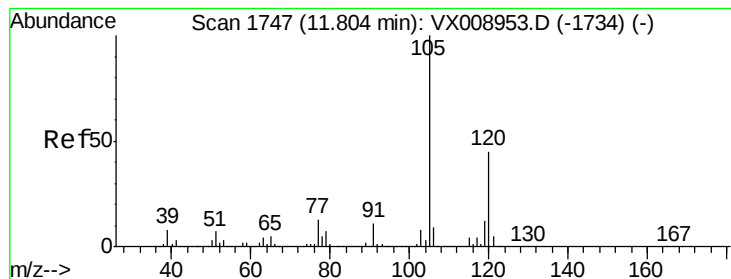
Ion Ratio Lower Upper

119 100

91 58.5 29.7 89.1

134 22.2 11.2 33.5





#84

1,2,4-Trimethylbenzene

Concen: 52.750 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX009143.D

Acq: 24 Apr 2019 14:24

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MS

Tot Ion:105 Resp: 418511

Ion Ratio Lower Upper

105 100

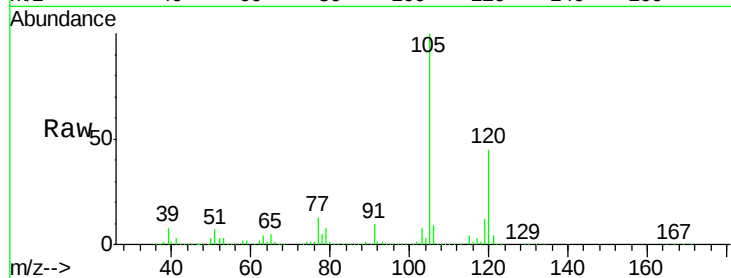
120 44.3 21.9 65.8

Manual Integrations

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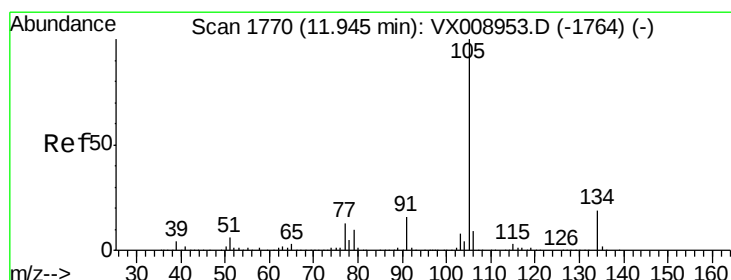
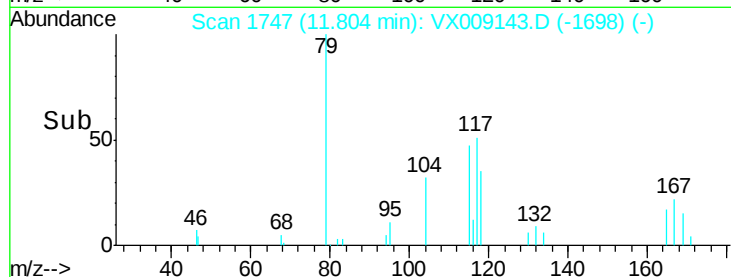
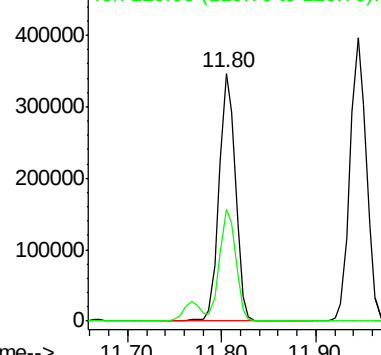
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 53.689 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009143.D

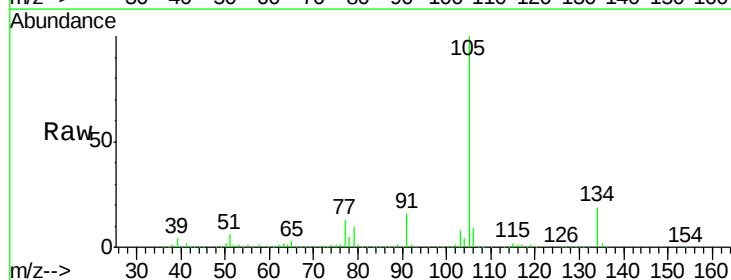
Acq: 24 Apr 2019 14:24

Tgt Ion:105 Resp: 479169

Ion Ratio Lower Upper

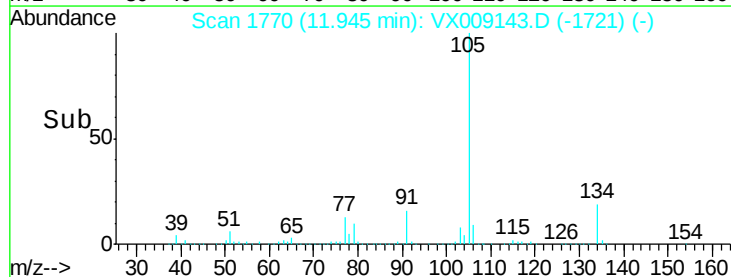
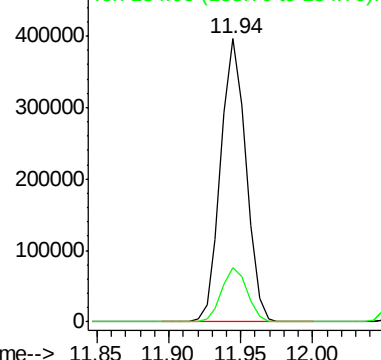
105 100

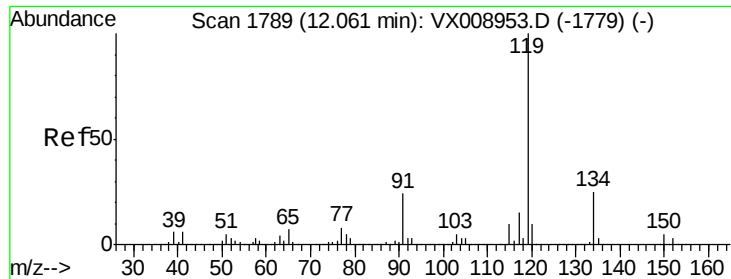
134 19.3 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





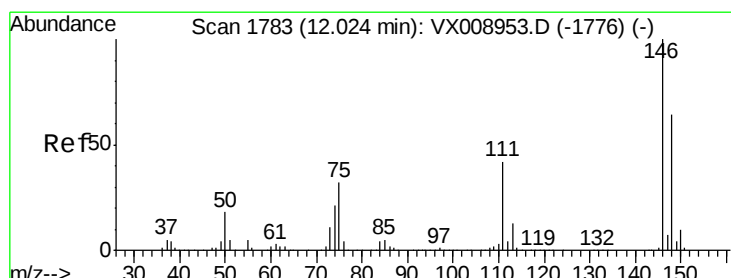
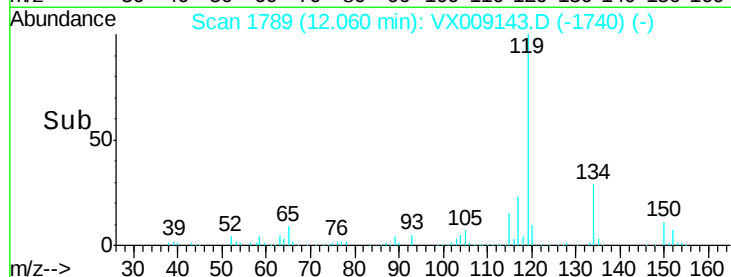
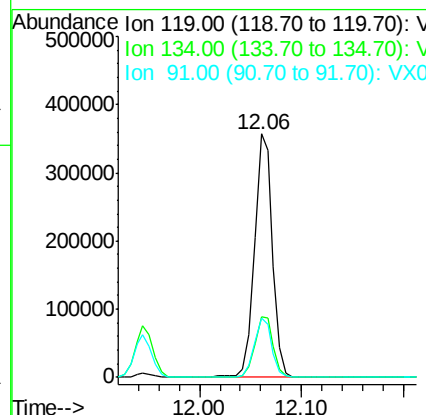
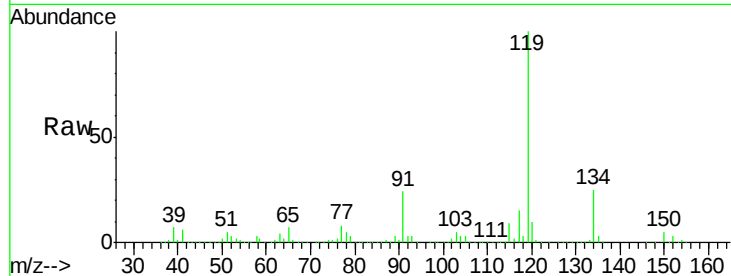
#86
p-Isopropyltoluene
Concen: 53.293 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX009143.D
Acq: 24 Apr 2019 14:24

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MS

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.9	38.6
91	24.0	11.9	35.5

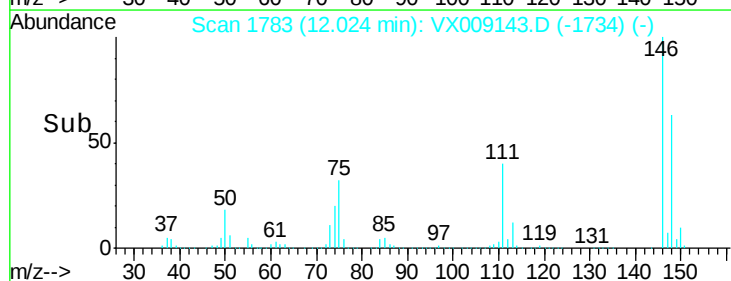
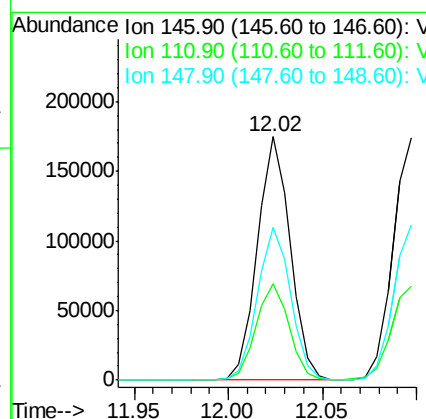
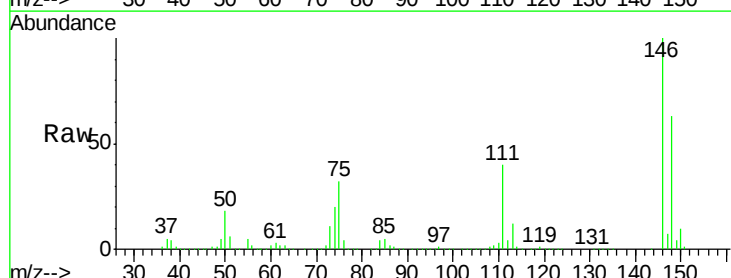
Manual Integrations
APPROVED

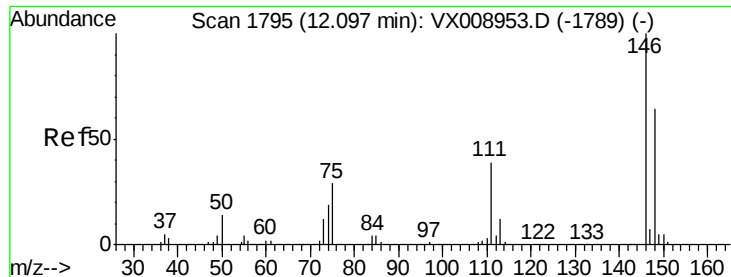
MMDadoda
4/25/2019 12:34:26 PM



#87
1,3-Dichlorobenzene
Concen: 51.390 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VX009143.D
Acq: 24 Apr 2019 14:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.5	61.6
148	63.7	32.2	96.6





#88

1,4-Dichlorobenzene

Concen: 50.767 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX009143.D

Acq: 24 Apr 2019 14:24

Instrument :

MSVOA_X

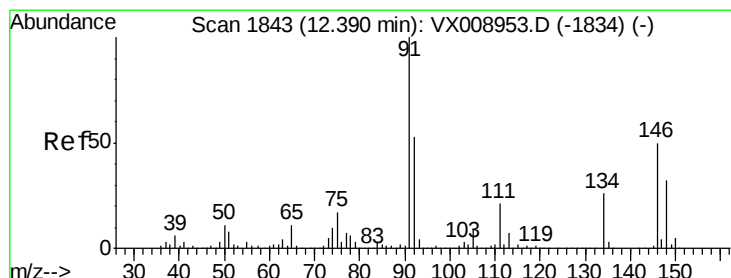
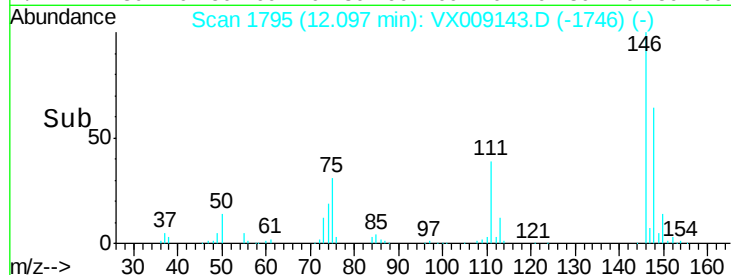
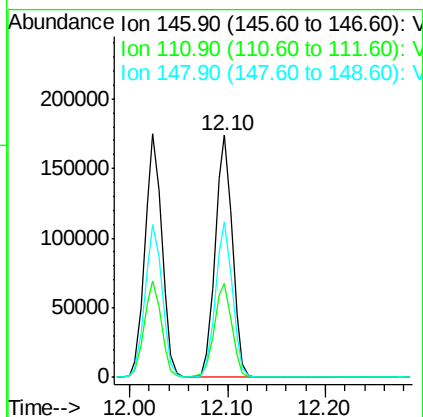
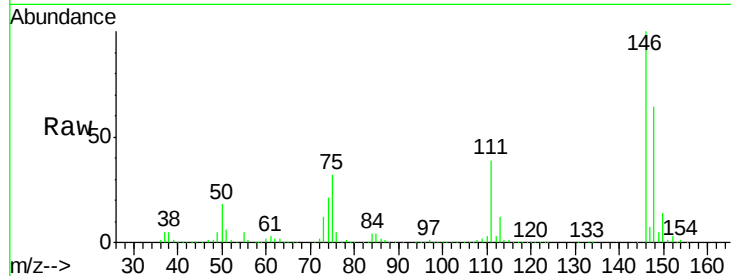
ClientSampleId :

S37-0016MS

Tot Ion:	146	Resp:	211077
Ion Ratio	Lower	Upper	
146	100		
111	39.8	20.0	59.9
148	63.7	32.2	96.6

Manual Integrations
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#89

n-Butylbenzene

Concen: 53.088 ug/l

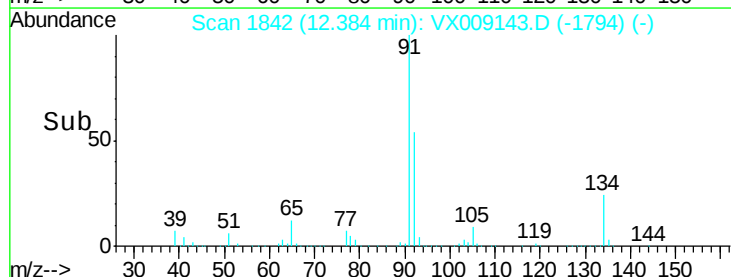
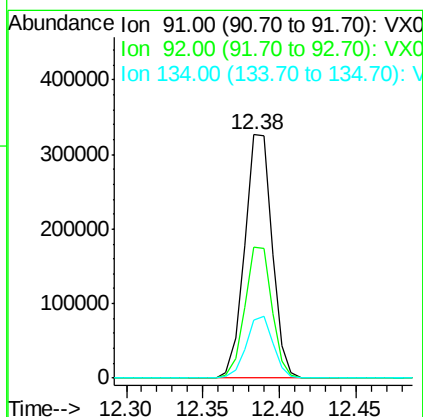
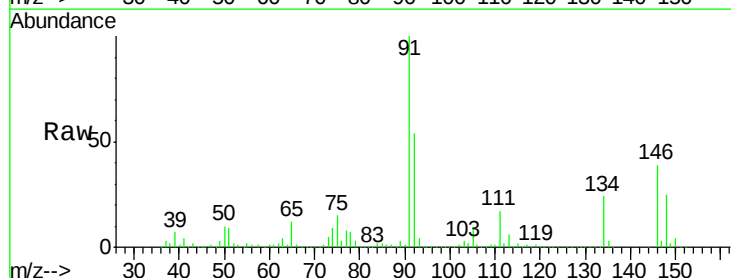
RT: 12.38 min Scan# 1842

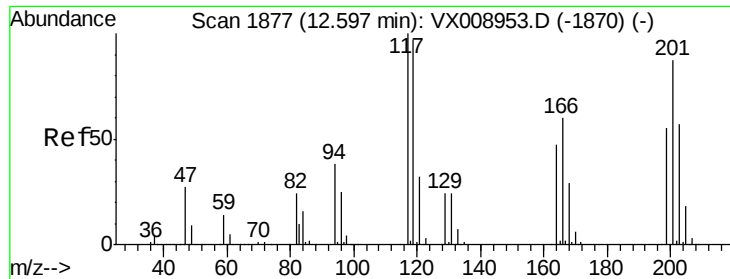
Delta R.T. -0.01 min

Lab File: VX009143.D

Acq: 24 Apr 2019 14:24

Tgt Ion:	91	Resp:	405683
Ion Ratio	Lower	Upper	
91	100		
92	53.4	26.6	79.8
134	24.9	12.4	37.2





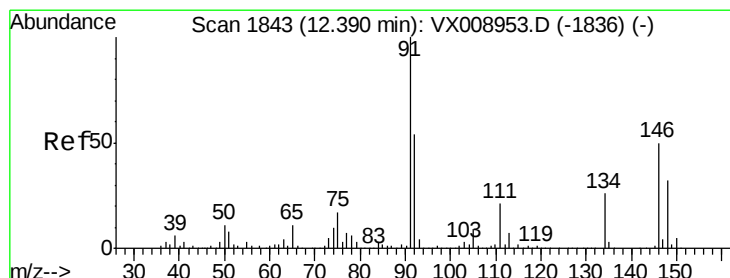
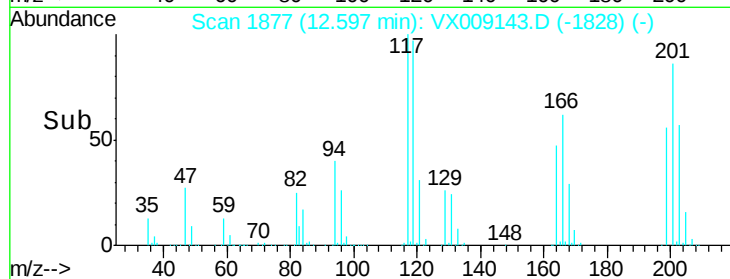
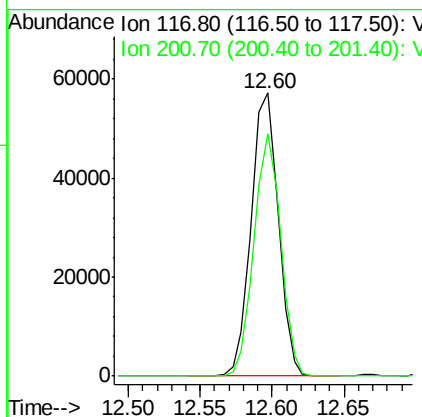
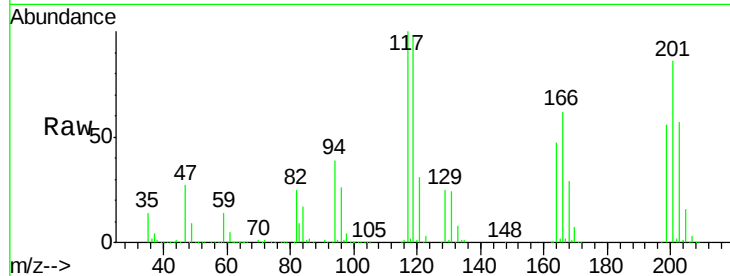
#90
Hexachloroethane
Concen: 54.750 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009143.D
Acq: 24 Apr 2019 14:24

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MS

Tot Ion:117 Resp: 74104
Ion Ratio Lower Upper
117 100
201 84.2 43.0 129.0

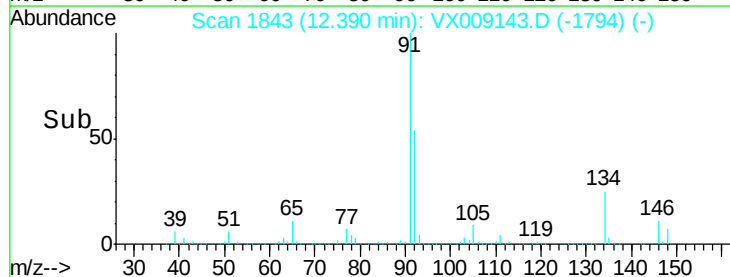
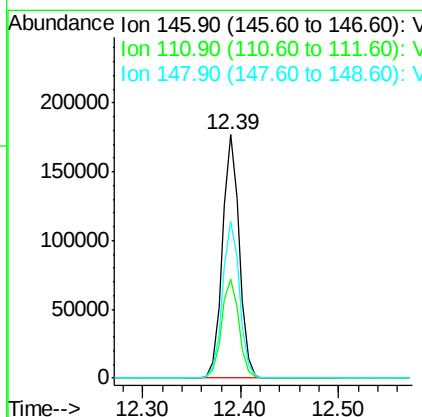
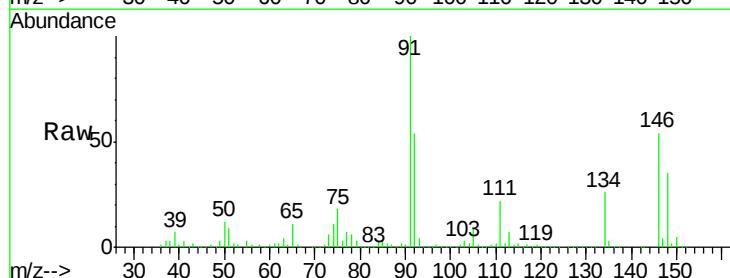
Manual Integrations
APPROVED

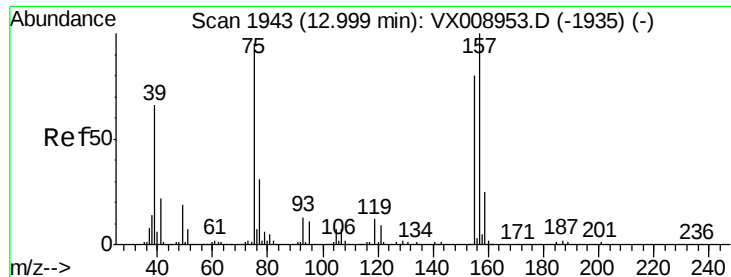
MMDadoda
4/25/2019 12:34:26 PM



#91
1,2-Dichlorobenzene
Concen: 51.836 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX009143.D
Acq: 24 Apr 2019 14:24

Tgt Ion:146 Resp: 209946
Ion Ratio Lower Upper
146 100
111 41.7 20.6 61.9
148 65.0 32.0 96.2





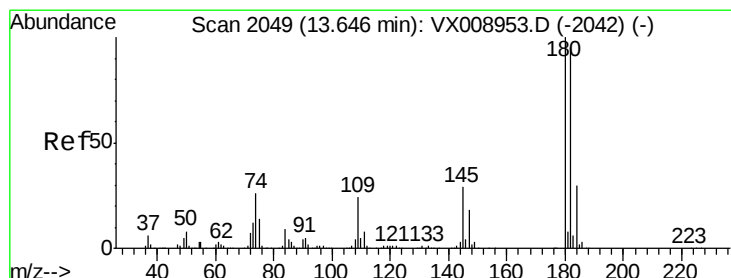
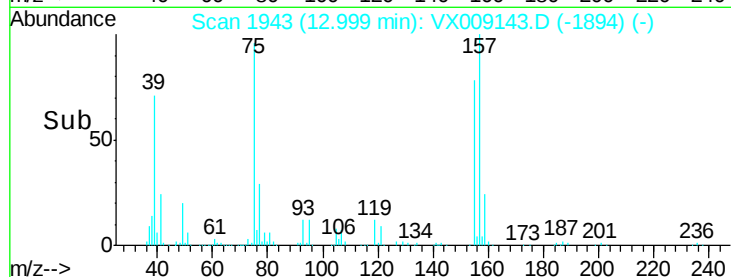
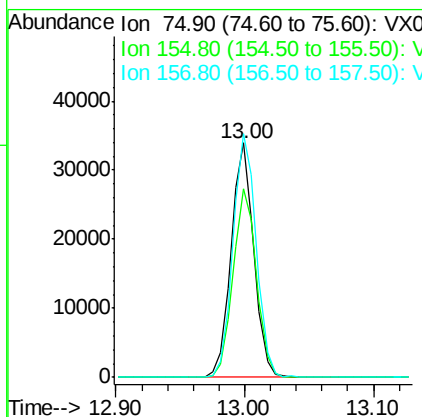
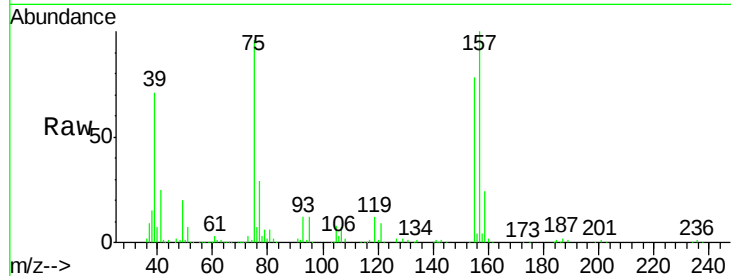
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.147 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009143.D
 Acq: 24 Apr 2019 14:24

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MS

Tot Ion	Ratio	Lower	Upper
75	100		
155	82.6	41.2	123.6
157	106.0	52.5	157.6

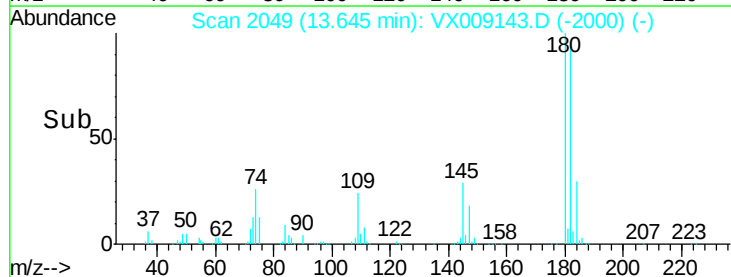
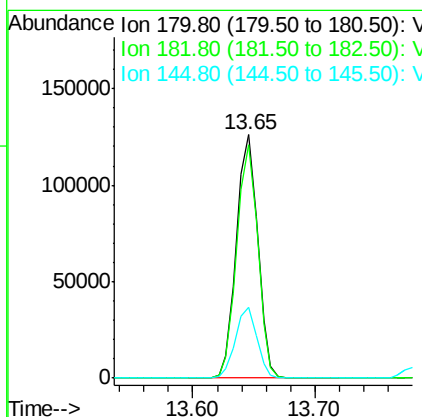
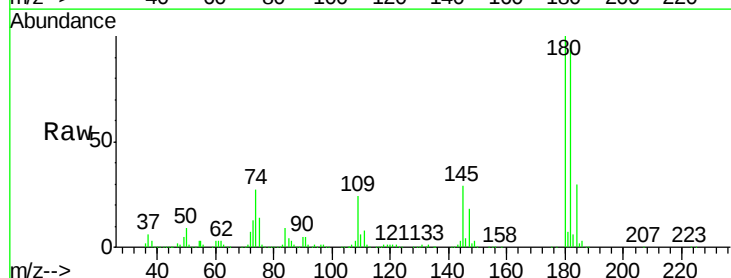
Manual Integrations
 APPROVED

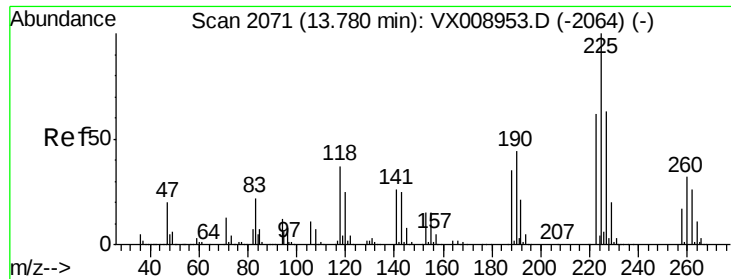
MMDadoda
 4/25/2019 12:34:26 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 51.910 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009143.D
 Acq: 24 Apr 2019 14:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.6	142.9
145	29.5	14.8	44.4





#94

Hexachlorobutadiene

Concen: 52.902 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VX009143.D

Acq: 24 Apr 2019 14:24

Instrument :

MSVOA_X

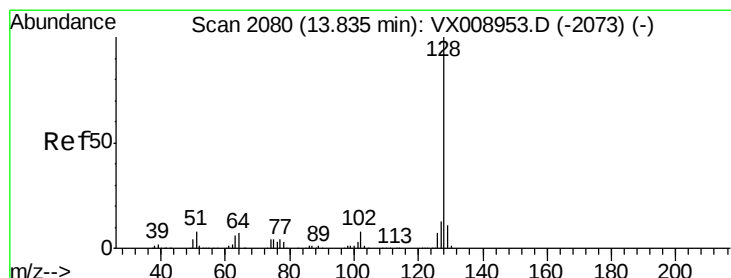
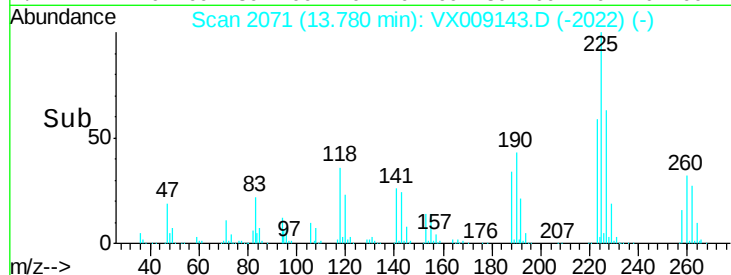
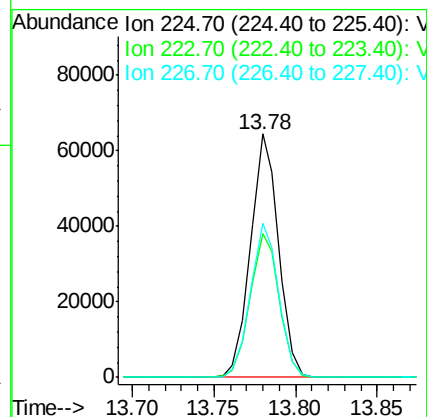
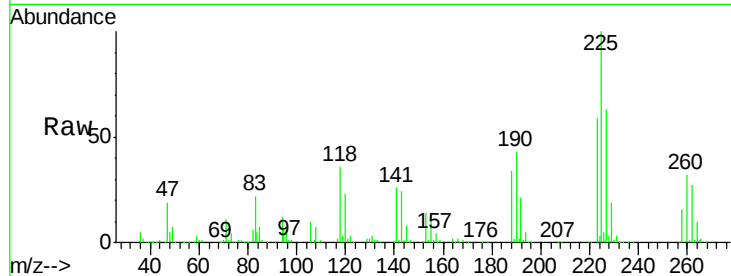
ClientSampleId :

S37-0016MS

Tot Ion:	225	Resp:	77141
Ion Ratio	Lower	Upper	
225	100		
223	61.0	31.1	93.2
227	63.8	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
4/25/2019 12:34:26 PM



#95

Naphthalene

Concen: 53.658 ug/l

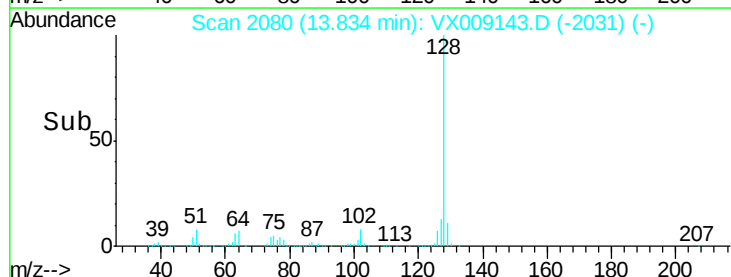
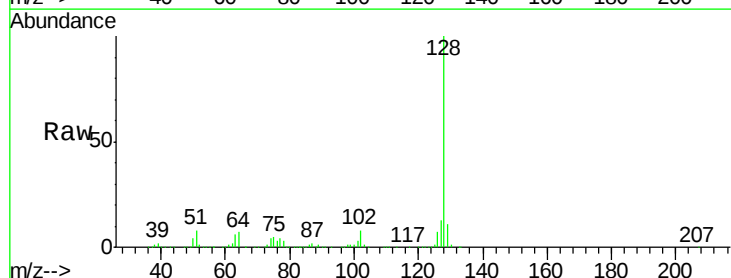
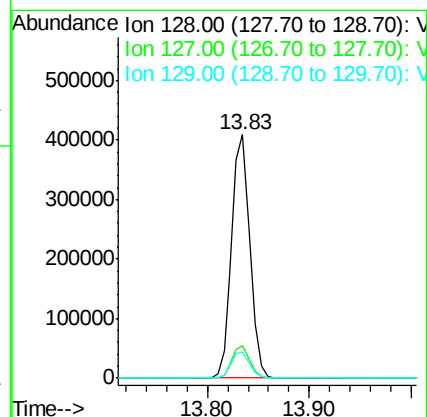
RT: 13.83 min Scan# 2080

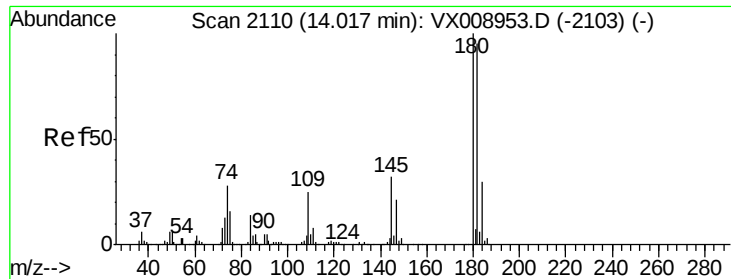
Delta R.T. -0.00 min

Lab File: VX009143.D

Acq: 24 Apr 2019 14:24

Tgt Ion:	128	Resp:	502611
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	16.0
129	10.8	8.6	13.0





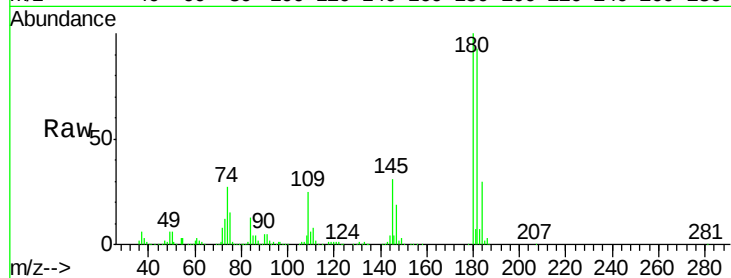
#96
 1,2,3-Trichlorobenzene
 Concen: 52.319 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VX009143.D
 Acq: 24 Apr 2019 14:24

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	150926		
182	95.2	47.8	143.4	
145	31.1	15.8	47.3	

Manual Integrations
 APPROVED

MMDadoda
 4/25/2019 12:34:26 PM



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

