

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032019\
 Data File : VX008261.D
 Acq On : 20 Mar 2019 23:57
 Operator : JC/SP
 Sample : VX0320WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320WBSD02

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 5:34:17 PM

Quant Time: Mar 22 07:45:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 13:15:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	270364	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	457490	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	403231	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	183838	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	205437	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
35) Dibromofluoromethane	5.50	113	153855	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
50) Toluene-d8	8.71	98	590025	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
62) 4-Bromofluorobenzene	11.13	95	205423	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	72134	22.006	ug/l	97
3) Chloromethane	1.33	50	83145	20.215	ug/l	99
4) Vinyl Chloride	1.41	62	86254	21.033	ug/l	100
5) Bromomethane	1.64	94	60722	17.383	ug/l	100
6) Chloroethane	1.73	64	53251	20.710	ug/l	99
7) Trichlorofluoromethane	1.93	101	105881	20.231	ug/l	91
8) Diethyl Ether	2.19	74	61285	22.760	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	72585	20.889	ug/l	93
10) Methyl Iodide	2.51	142	98985	22.373	ug/l	96
11) Tert butyl alcohol	3.04	59	100005	114.725	ug/l	98
12) 1,1-Dichloroethene	2.38	96	73408	22.377	ug/l	96
13) Acrolein	2.29	56	42712	61.719	ug/l	99
14) Allyl chloride	2.73	41	154763	21.672	ug/l	93
15) Acrylonitrile	3.14	53	261640	113.478	ug/l	98
16) Acetone	2.45	43	231175	100.100	ug/l	96
17) Carbon Disulfide	2.57	76	221046	21.040	ug/l	99
18) Methyl Acetate	2.78	43	128914	24.112	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	268988	22.678	ug/l	99
20) Methylene Chloride	2.86	84	83494	21.681	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	77572	21.889	ug/l	95
22) Diisopropyl ether	3.86	45	315966	22.591	ug/l	90
23) Vinyl Acetate	3.82	43	1350511	112.628	ug/l	97
24) 1,1-Dichloroethane	3.70	63	160641	22.332	ug/l	99
25) 2-Butanone	4.67	43	376226	110.361	ug/l	98
26) 2,2-Dichloropropane	4.59	77	92853	17.135	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	89098	22.054	ug/l	94
28) Bromochloromethane	5.02	49	61052	18.901	ug/l	84
29) Tetrahydrofuran	5.13	42	247235	116.012	ug/l	98
30) Chloroform	5.21	83	150476	22.363	ug/l	99
31) Cyclohexane	5.59	56	150581	22.293	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	124603	22.261	ug/l	96
36) 1,1-Dichloropropene	5.81	75	112544	21.129	ug/l	97
37) Ethyl Acetate	4.84	43	144369	22.929	ug/l	99
38) Carbon Tetrachloride	5.79	117	103673	21.845	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	127459	19.885	ug/l	93
40) Benzene	6.15	78	346547	21.982	ug/l	100
41) Methacrylonitrile	5.04	41	80067	22.670	ug/l	96
42) 1,2-Dichloroethane	6.20	62	127233	22.031	ug/l	96
43) Isopropyl Acetate	6.45	43	224403	22.235	ug/l	98
44) Trichloroethene	7.21	130	83475	21.655	ug/l	92
45) 1,2-Dichloropropane	7.51	63	96323	21.826	ug/l	97
46) Dibromomethane	7.66	93	57676	21.585	ug/l	88
47) Bromodichloromethane	7.90	83	110939	21.785	ug/l	99
48) Methyl methacrylate	7.77	41	117333	21.865	ug/l	94
49) 1,4-Dioxane	7.74	88	41974	443.249	ug/l	91
51) 4-Methyl-2-Pentanone	8.64	43	751488	115.177	ug/l	98
52) Toluene	8.78	92	204174	21.830	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	117482	19.320	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	132476	20.962	ug/l	93
55) 1,1,2-Trichloroethane	9.21	97	85518	22.631	ug/l	99
56) Ethyl methacrylate	9.18	69	136440	20.894	ug/l #	91
57) 1,3-Dichloropropane	9.37	76	150537	22.519	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	301460	97.367	ug/l	94
59) 2-Hexanone	9.49	43	568556	113.187	ug/l	96
60) Dibromochloromethane	9.58	129	81265	22.377	ug/l	100
61) 1,2-Dibromoethane	9.67	107	86538	21.932	ug/l	99
64) Tetrachloroethene	9.34	164	81478	22.397	ug/l	95
65) Chlorobenzene	10.13	112	213784	21.547	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	76781	22.195	ug/l	100
67) Ethyl Benzene	10.25	91	378725	21.661	ug/l	98
68) m/p-Xylenes	10.36	106	278907	43.425	ug/l	94
69) o-Xylene	10.69	106	136829	21.924	ug/l	95
70) Styrene	10.71	104	224030	22.088	ug/l	97
71) Bromoform	10.85	173	57510	20.647	ug/l #	98
73) Isopropylbenzene	11.02	105	364228	22.227	ug/l	98
74) N-amyl acetate	10.90	43	189991	22.130	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	129491	22.038	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	116333m	22.499	ug/l	
77) Bromobenzene	11.26	156	88208	22.264	ug/l	86
78) n-propylbenzene	11.36	91	418935	22.012	ug/l	95
79) 2-Chlorotoluene	11.42	91	253146	22.161	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	300948	22.230	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	35717	18.541	ug/l	89
82) 4-Chlorotoluene	11.51	91	288214	21.682	ug/l	95
83) tert-Butylbenzene	11.77	119	281826	21.805	ug/l	93
84) 1,2,4-Trimethylbenzene	11.80	105	306051	22.300	ug/l	97
85) sec-Butylbenzene	11.94	105	350973	21.928	ug/l	97
86) p-Isopropyltoluene	12.06	119	302959	21.867	ug/l	97
87) 1,3-Dichlorobenzene	12.02	146	154815	21.865	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	153798	20.999	ug/l	97
89) n-Butylbenzene	12.38	91	266257	20.475	ug/l	97
90) Hexachloroethane	12.60	117	50645	21.463	ug/l	85
91) 1,2-Dichlorobenzene	12.39	146	156343	21.899	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	27959	21.423	ug/l	79

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ClientSampleId :
VX0320WBSD02

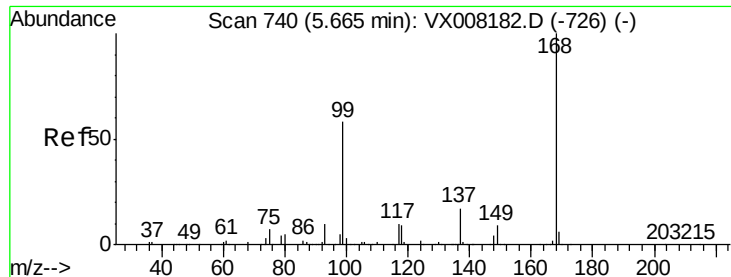
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	99394	21.136	ug/l	98
94) Hexachlorobutadiene	13.78	225	48578	21.181	ug/l	98
95) Naphthalene	13.83	128	332480	22.401	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	102093	22.064	ug/l	99

(#) = 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: VX008261.D

Acq: 20 Mar 2019 23:57

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBSD02

Tot Ion:168 Resp: 270364

Ion Ratio Lower Upper

168 100

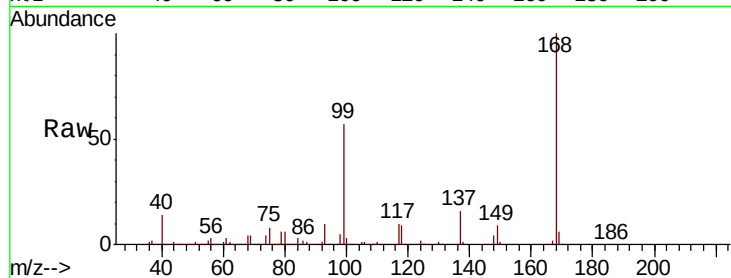
99 57.3 37.6 56.4#

Manual Integrations

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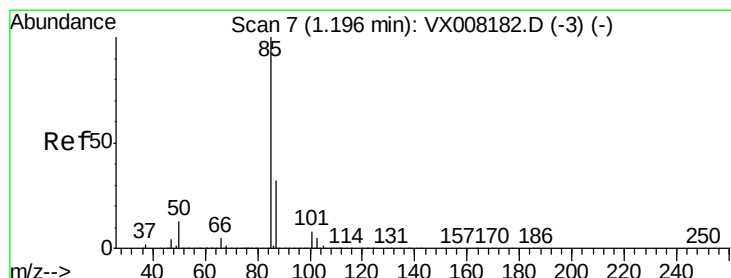
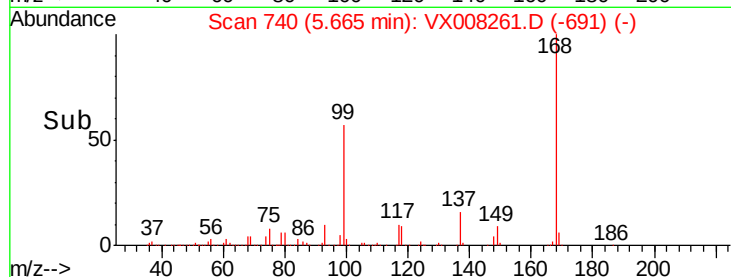
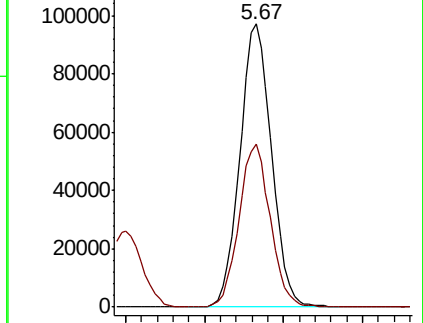
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 22.006 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX008261.D

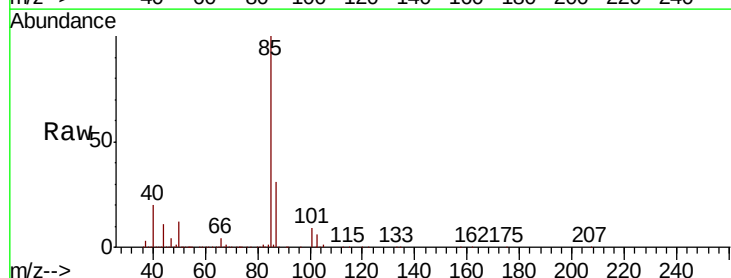
Acq: 20 Mar 2019 23:57

Tgt Ion: 85 Resp: 72134

Ion Ratio Lower Upper

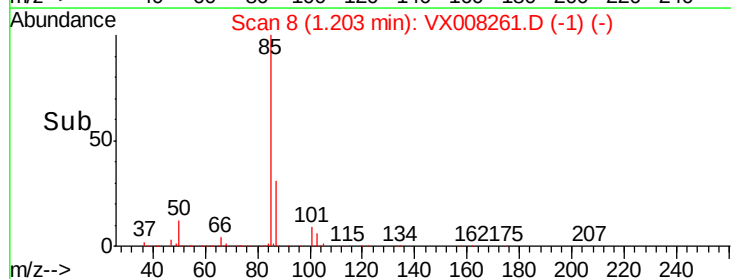
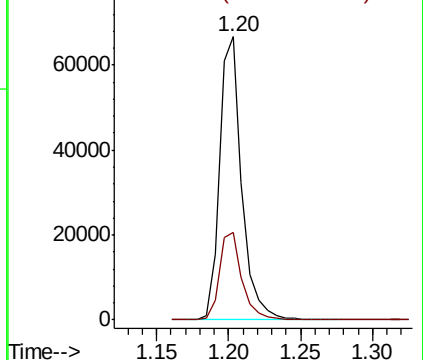
85 100

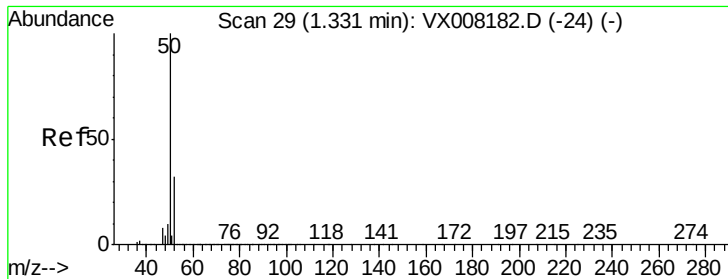
87 30.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 20.215 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX008261.D

Acq: 20 Mar 2019 23:57

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBSD02

Tot Ion: 50 Resp: 83145

Ion Ratio Lower Upper

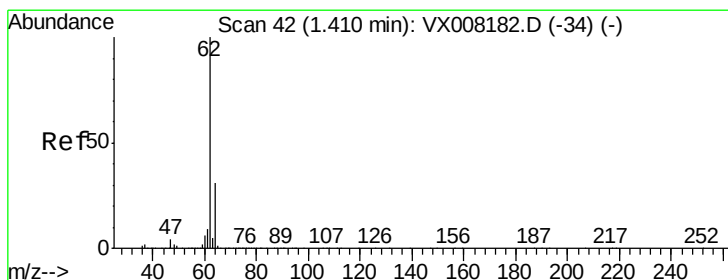
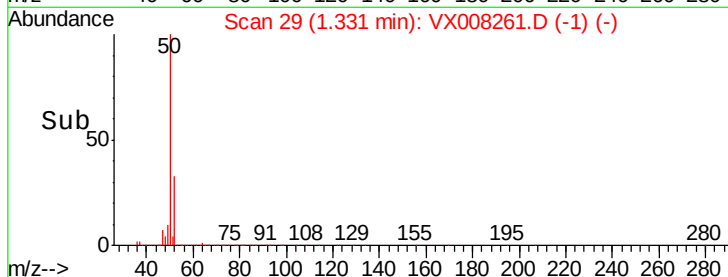
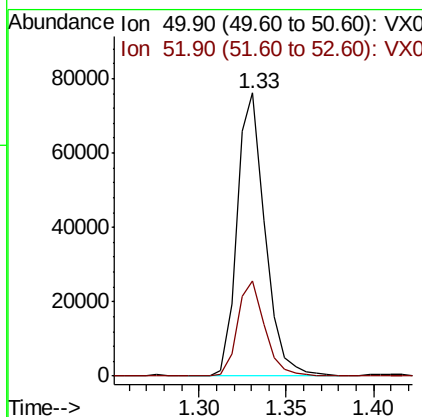
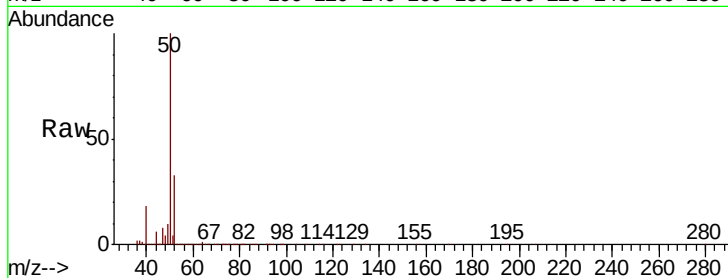
50 100

52 33.5 26.5 39.7

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#4

Vinyl Chloride

Concen: 21.033 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX008261.D

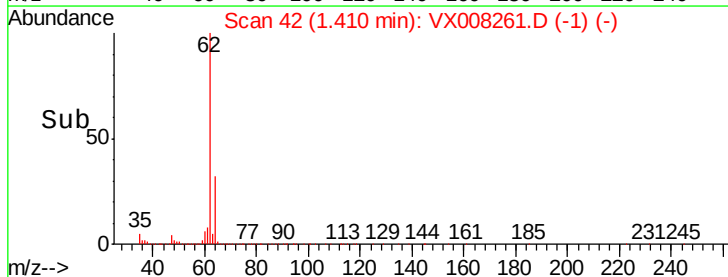
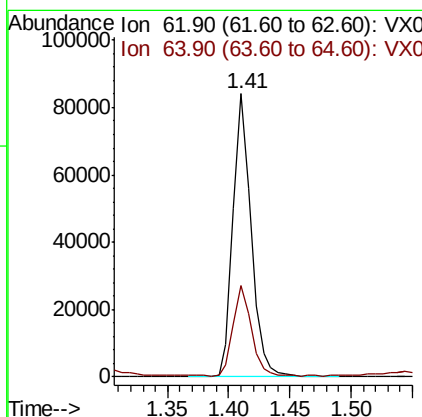
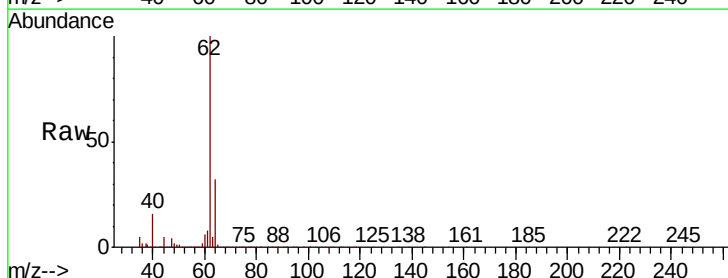
Acq: 20 Mar 2019 23:57

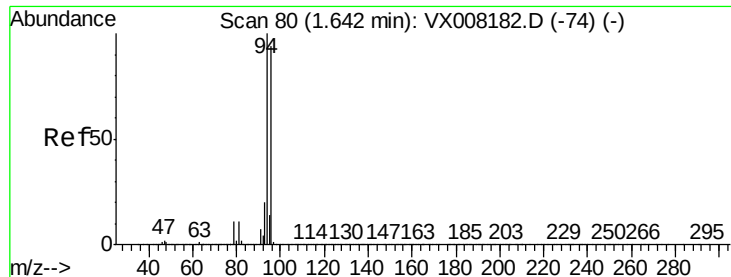
Tgt Ion: 62 Resp: 86254

Ion Ratio Lower Upper

62 100

64 31.7 25.3 37.9





#5

Bromomethane

Concen: 17.383 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX008261.D

Acq: 20 Mar 2019 23:57

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBSD02

Tot Ion: 94 Resp: 60722

Ion Ratio Lower Upper

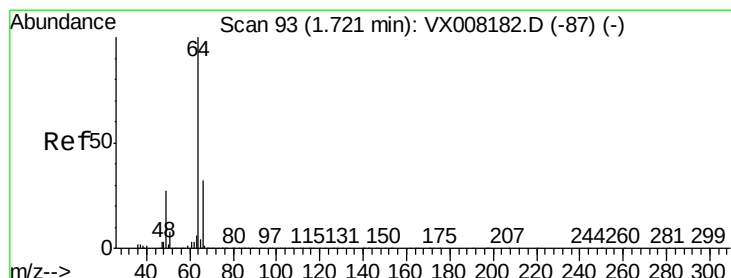
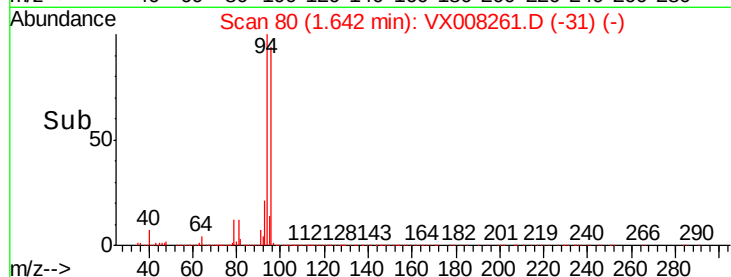
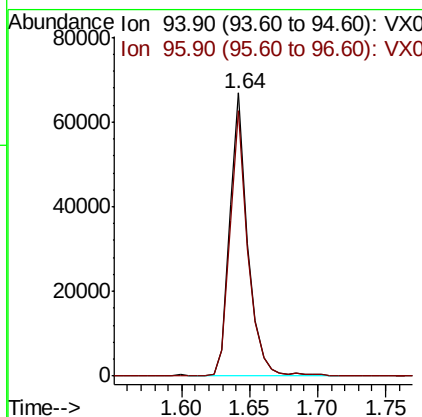
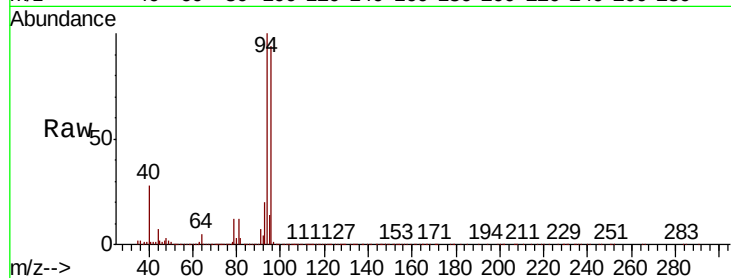
94 100

96 93.9 75.5 113.3

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#6

Chloroethane

Concen: 20.710 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX008261.D

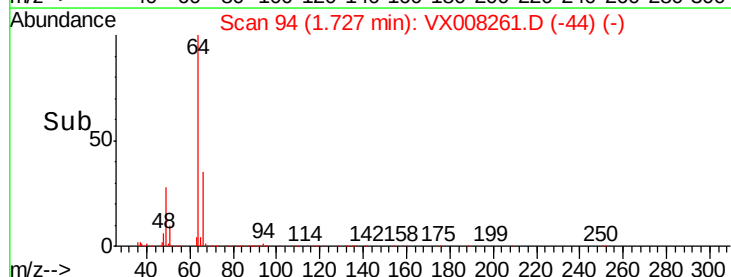
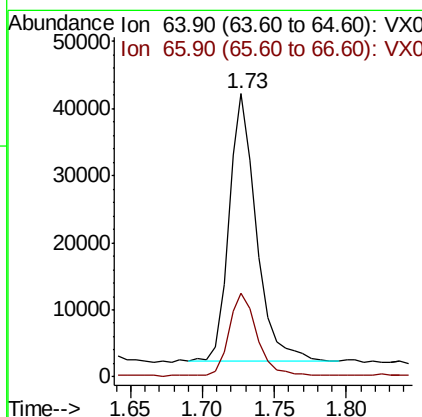
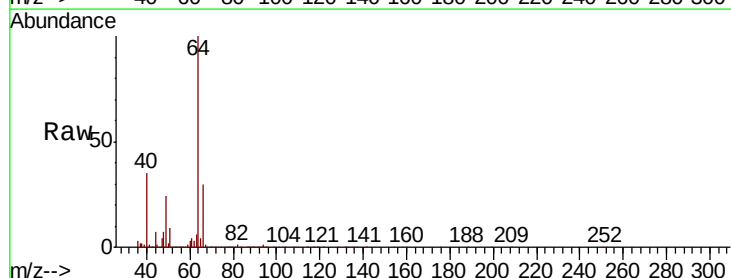
Acq: 20 Mar 2019 23:57

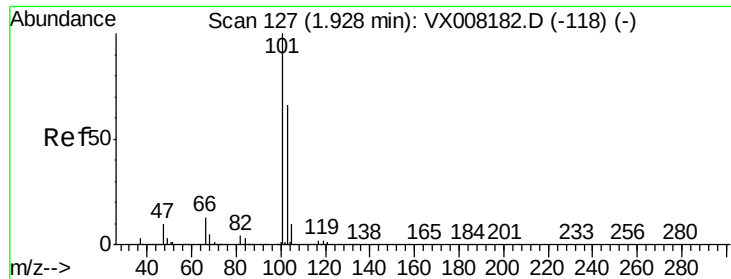
Tgt Ion: 64 Resp: 53251

Ion Ratio Lower Upper

64 100

66 31.0 25.2 37.8





#7

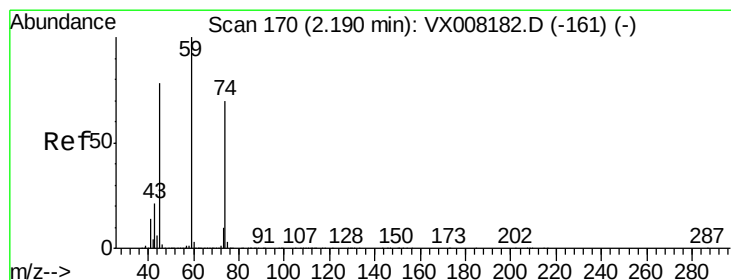
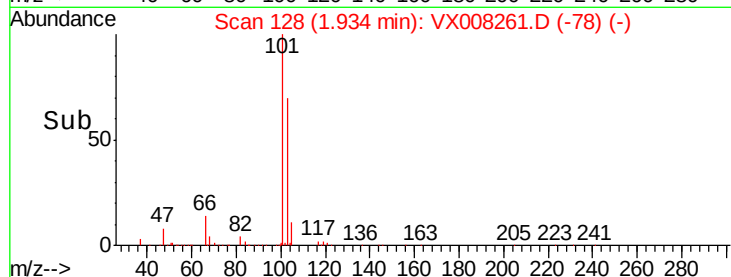
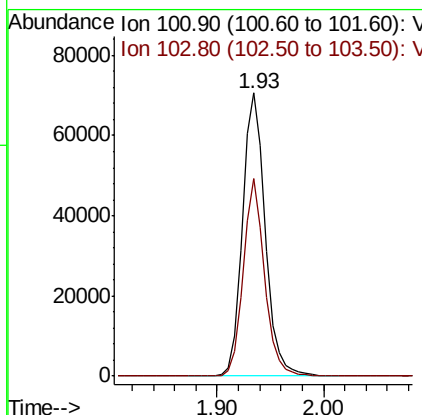
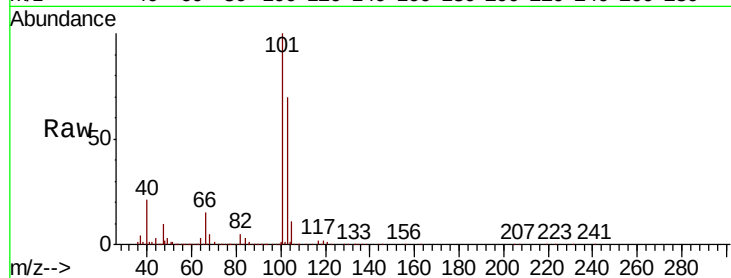
Trichlorofluoromethane
Concen: 20.231 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX008261.D
Acq: 20 Mar 2019 23:57

Instrument :
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ClientSampleId :
VX0320WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	69.8	50.4	75.6

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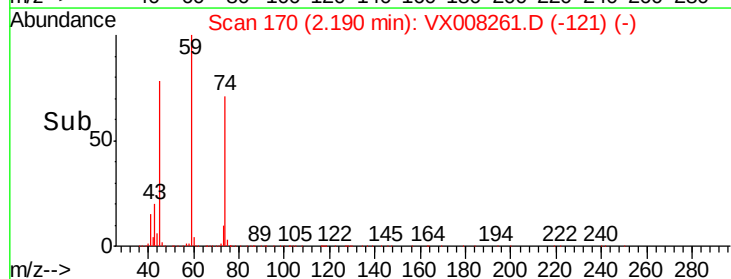
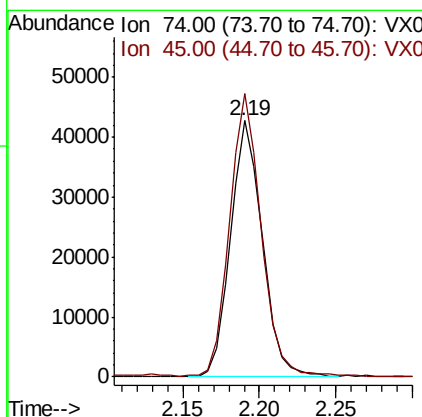
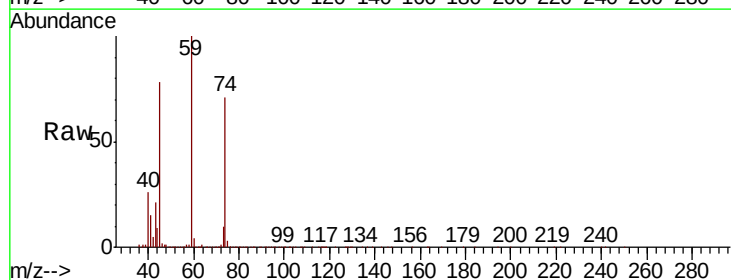
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3/22/2019 5:34:17 PM

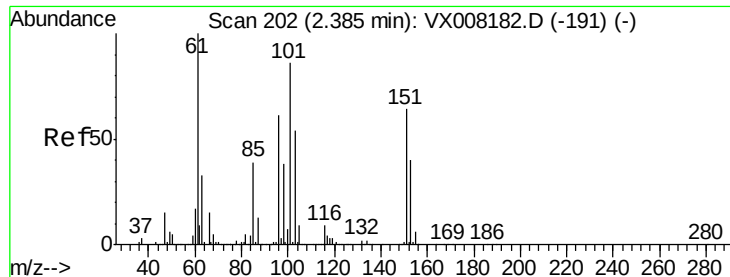


#8

Diethyl Ether
Concen: 22.760 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX008261.D
Acq: 20 Mar 2019 23:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.1	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.889 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX008261.D

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Instrument :

MSVOA_X

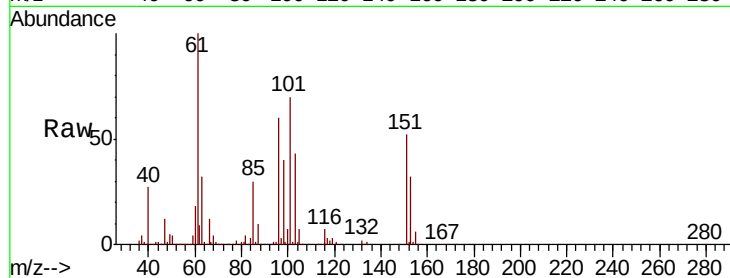
ClientSampleId :

VX0320WBSD02

Tot Ion:	101	Resp:	72585
Ion Ratio	Lower	Upper	
101	100		
85	44.3	33.8	50.6
151	77.9	69.1	103.7

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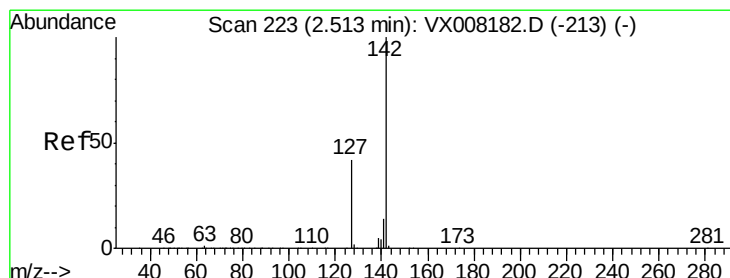
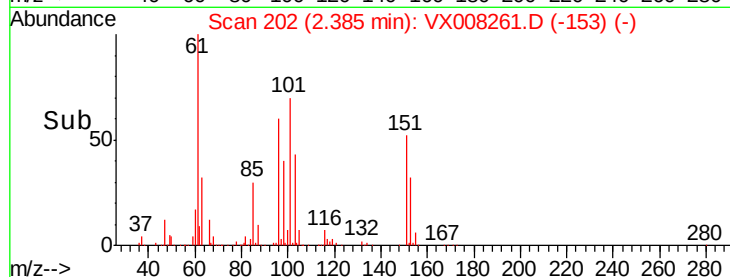
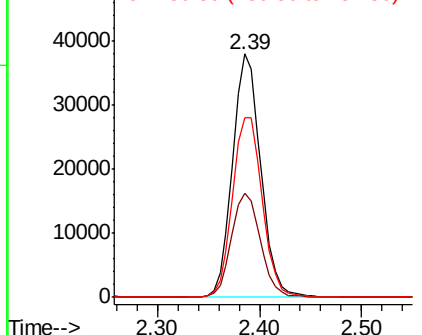


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 22.373 ug/l

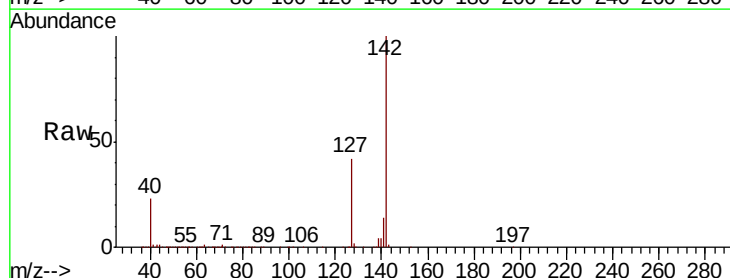
RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

Lab File: VX008261.D

Acq: 20 Mar 2019 23:57

Tgt Ion:	142	Resp:	98985
Ion Ratio	Lower	Upper	
142	100		
127	43.0	32.1	48.1
141	14.7	11.4	17.2

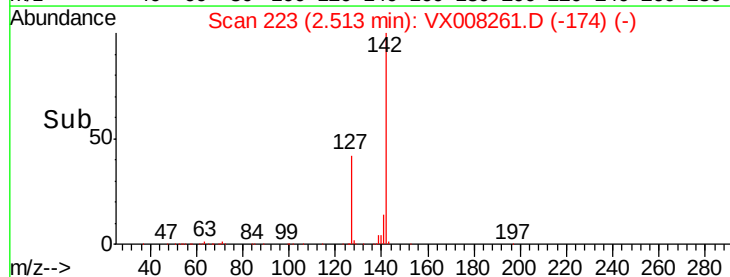
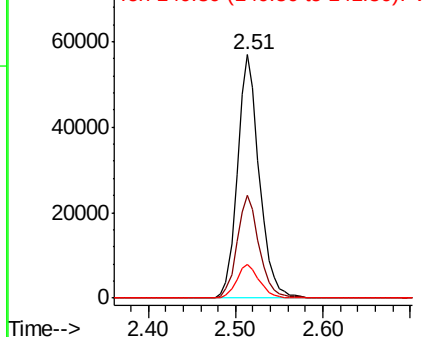


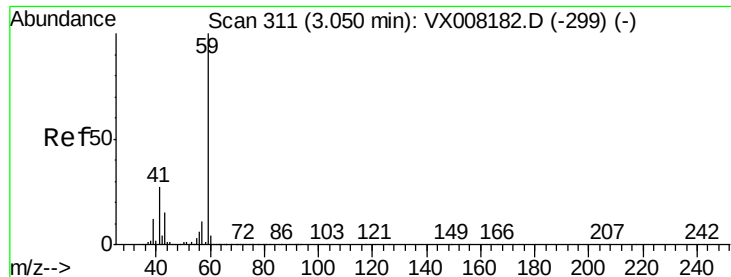
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





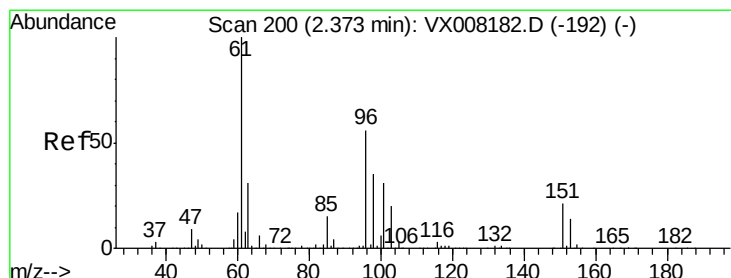
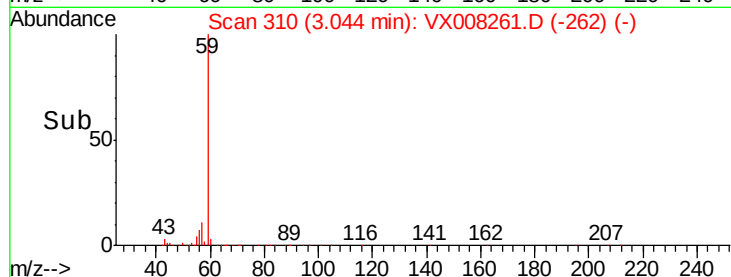
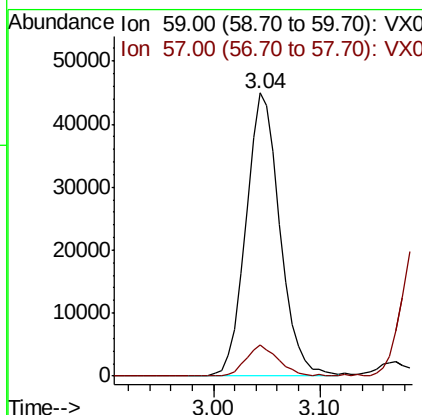
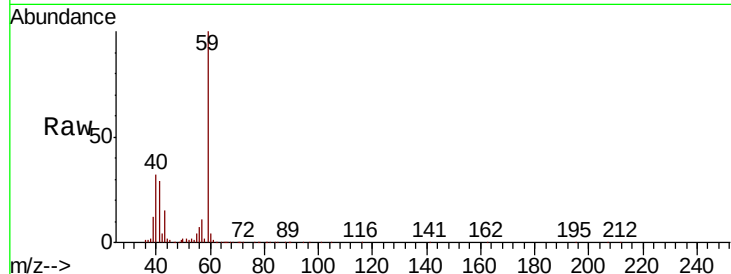
#11
Tert butyl alcohol
Concen: 114.725 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX008261.D
Acq: 20 Mar 2019 23:57

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD02

Tot Ion: 59 Resp: 100005
Ion Ratio Lower Upper
59 100
57 10.9 8.2 12.2

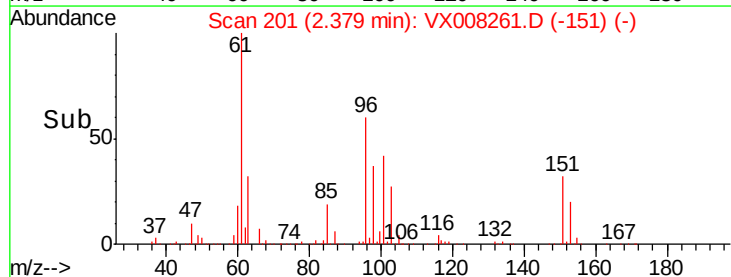
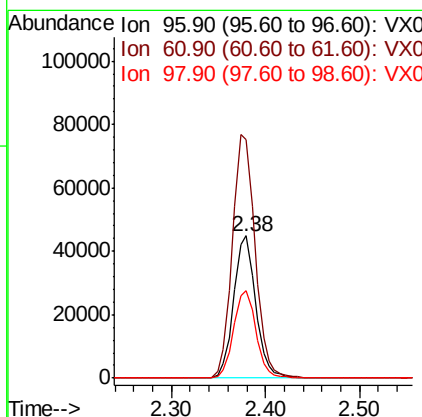
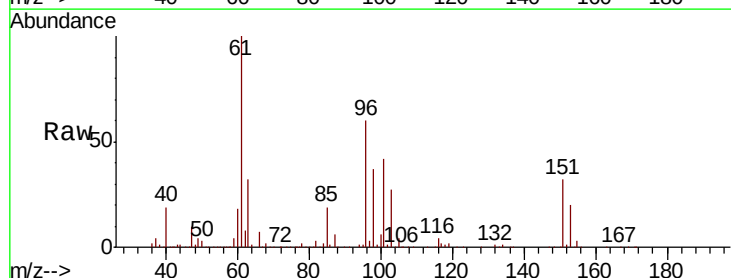
Manual Integrations
APPROVED

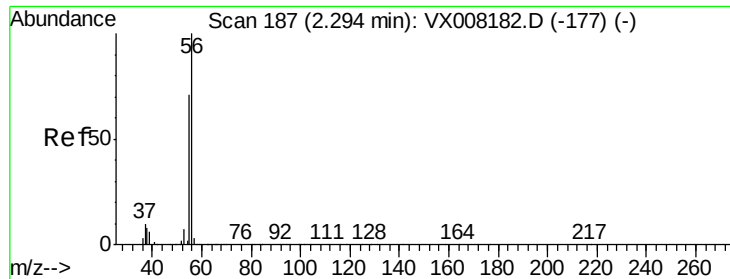
MMDadoda
3/22/2019 5:34:17 PM



#12
1,1-Dichloroethene
Concen: 22.377 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX008261.D
Acq: 20 Mar 2019 23:57

Tgt Ion: 96 Resp: 73408
Ion Ratio Lower Upper
96 100
61 167.4 129.8 194.6
98 61.6 51.0 76.6





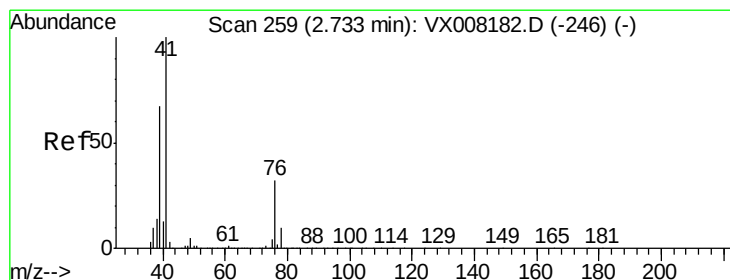
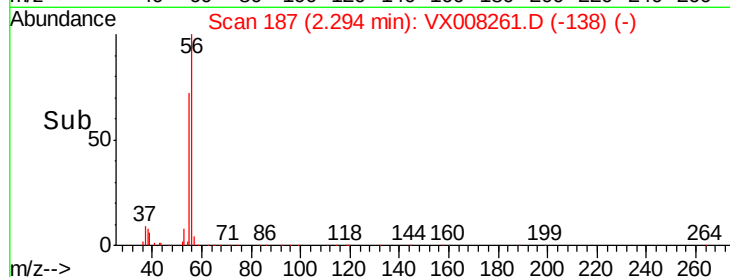
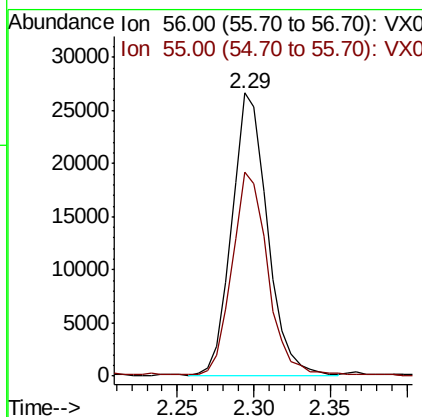
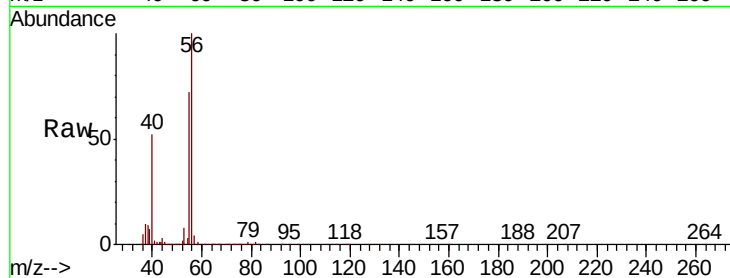
#13
Acrolein
Concen: 61.719 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX008261.D
Acq: 20 Mar 2019 23:57

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD02

Tot Ion	56	55	Ratio	Lower	Upper
42712	100	71.7		57.8	86.6

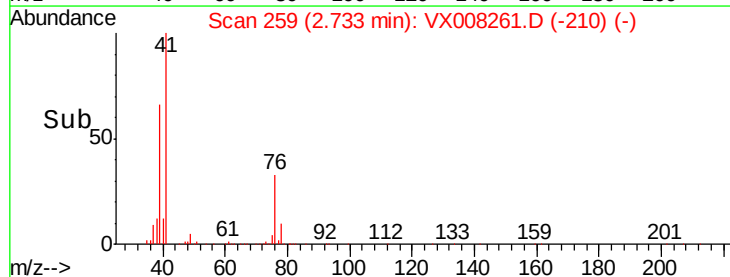
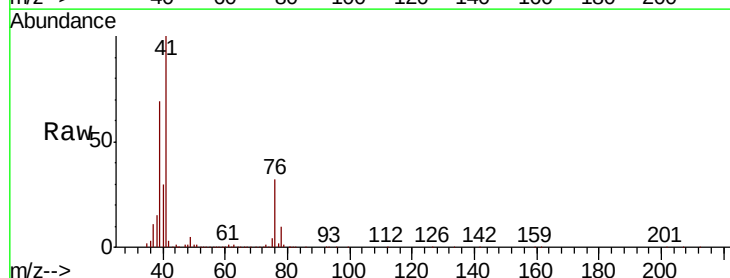
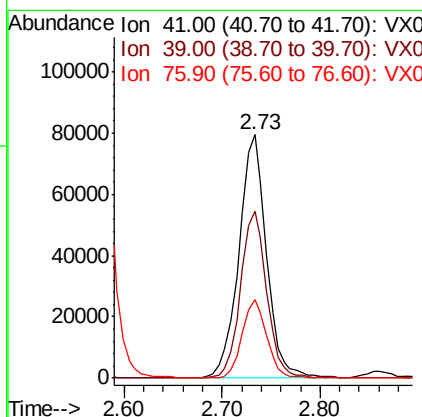
Manual Integrations
APPROVED

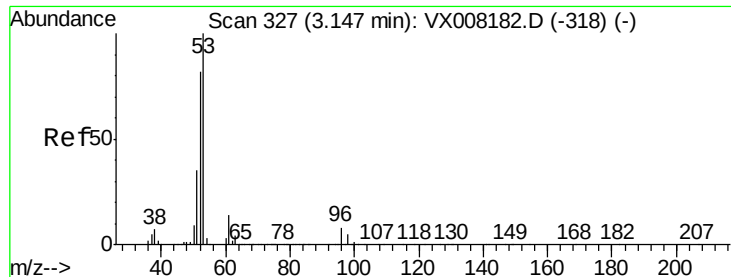
MMDadoda
3/22/2019 5:34:17 PM



#14
Allyl chloride
Concen: 21.672 ug/l
RT: 2.73 min Scan# 259
Delta R.T. 0.00 min
Lab File: VX008261.D
Acq: 20 Mar 2019 23:57

Tgt Ion	41	39	76	Ratio	Lower	Upper
154763	100	65.0	28.8		46.1	69.1
					24.0	36.0





#15

Acrylonitrile

Concen: 113.478 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008261.D

Acq: 20 Mar 2019 23:57

Instrument :

MSVOA_X

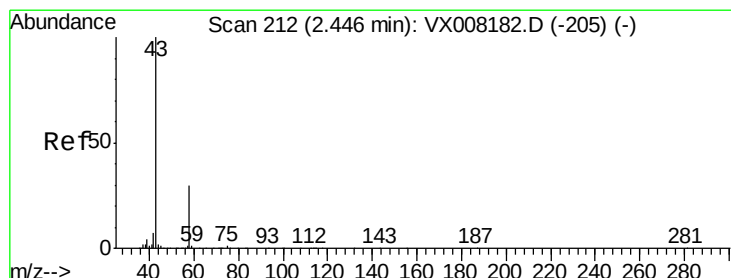
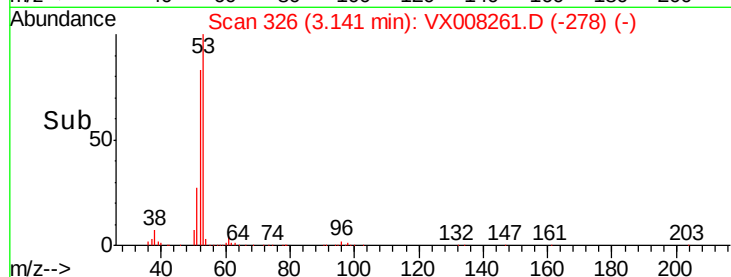
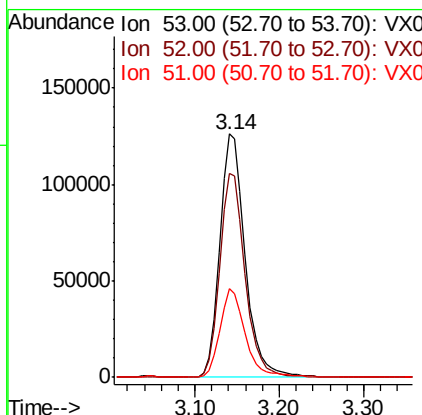
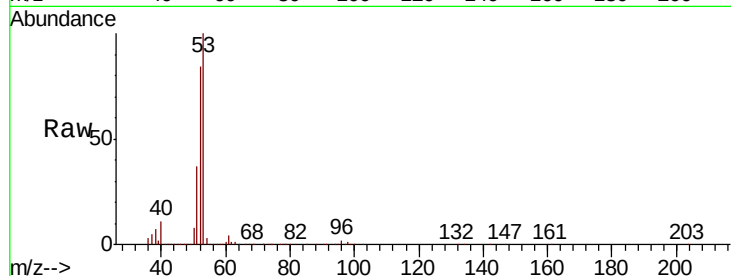
ClientSampleId :

VX0320WBSD02

Tot Ion:	53	Resp:	261640
Ion Ratio		Lower	Upper
53	100		
52	83.9	66.0	99.0
51	36.3	28.0	42.0

Manual Integrations
APPROVED

MMDadoda
3/22/2019 5:34:17 PM



#16

Acetone

Concen: 100.100 ug/l

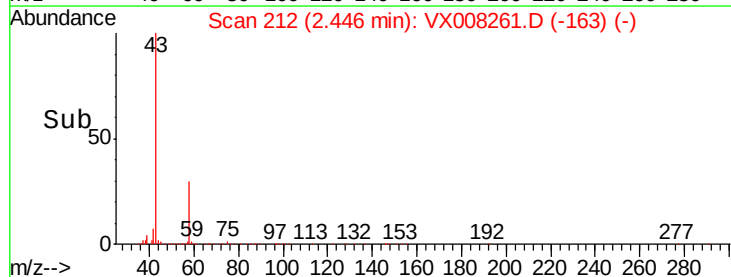
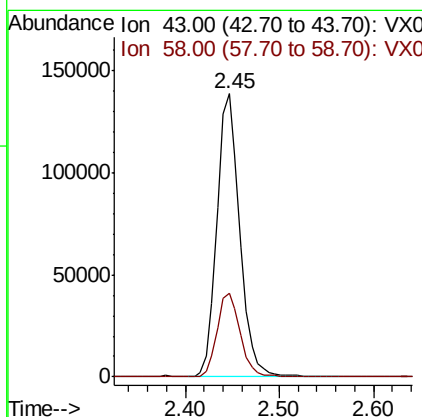
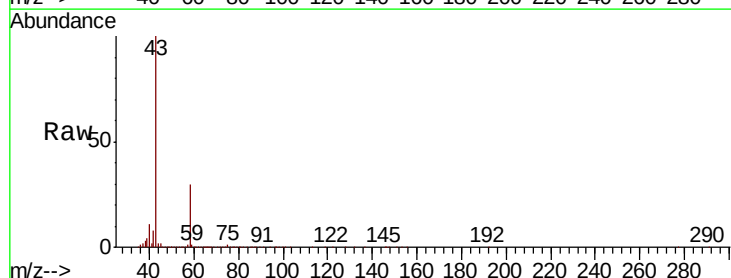
RT: 2.45 min Scan# 212

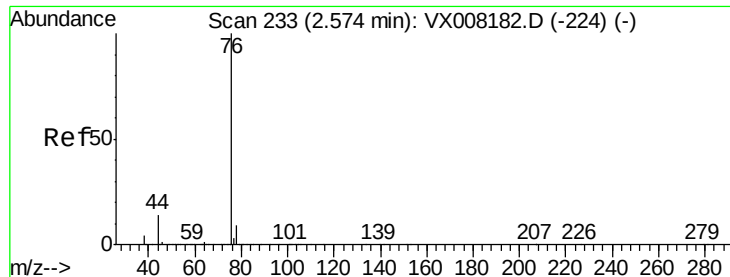
Delta R.T. 0.00 min

Lab File: VX008261.D

Acq: 20 Mar 2019 23:57

Tgt Ion:	43	Resp:	231175
Ion Ratio		Lower	Upper
43	100		
58	29.7	25.5	38.3





#17

Carbon Disulfide

Concen: 21.040 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX008261.D

Acq: 20 Mar 2019 23:57

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBSD02

Tot Ion: 76 Resp: 221046

Ion Ratio Lower Upper

76 100

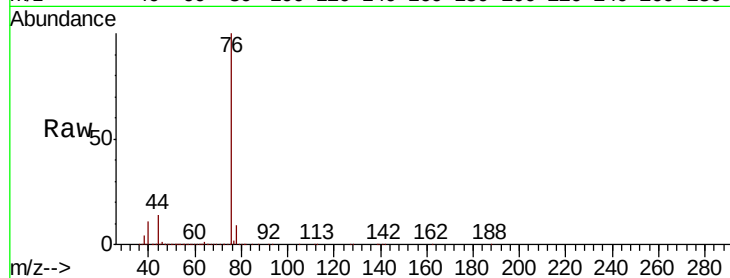
78 9.4 7.2 10.8

Manual Integrations

APPROVED

MMDadoda

3/22/2019 5:34:17 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

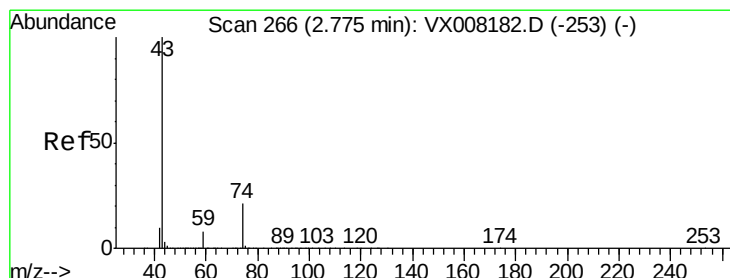
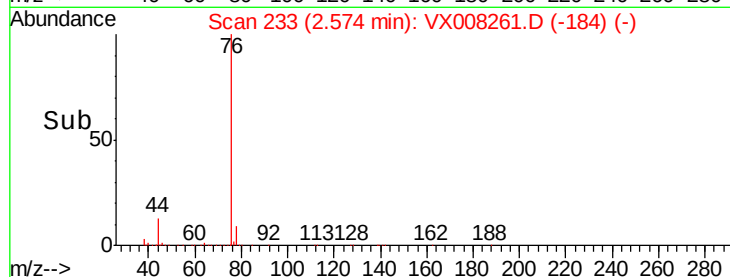
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 24.112 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX008261.D

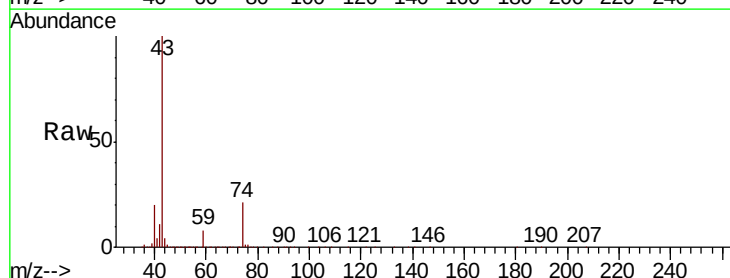
Acq: 20 Mar 2019 23:57

Tgt Ion: 43 Resp: 128914

Ion Ratio Lower Upper

43 100

74 21.7 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

80000

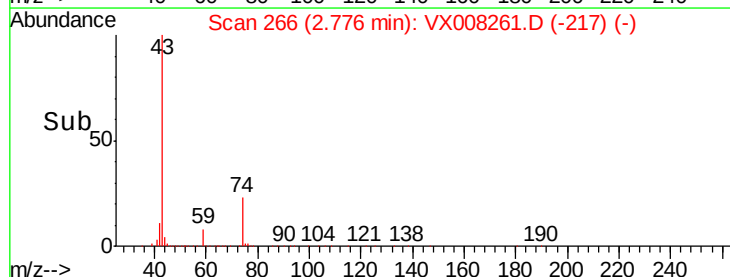
60000

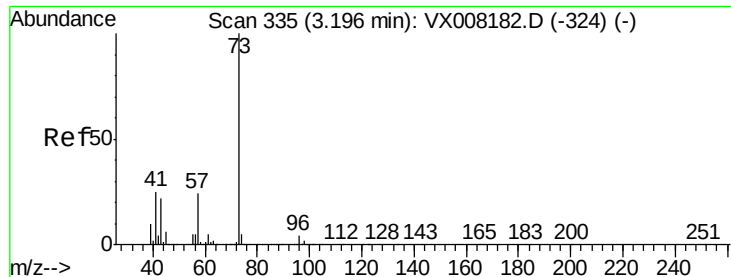
40000

20000

0

Time-->





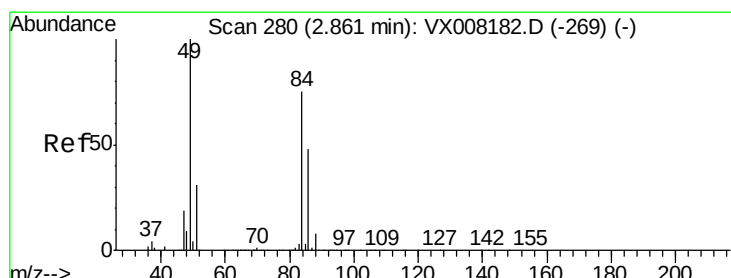
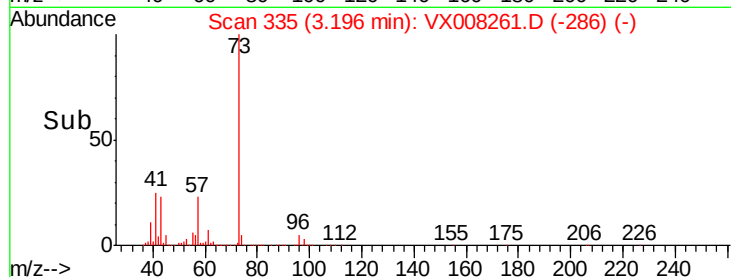
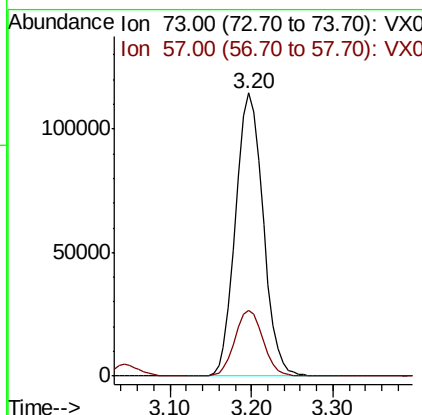
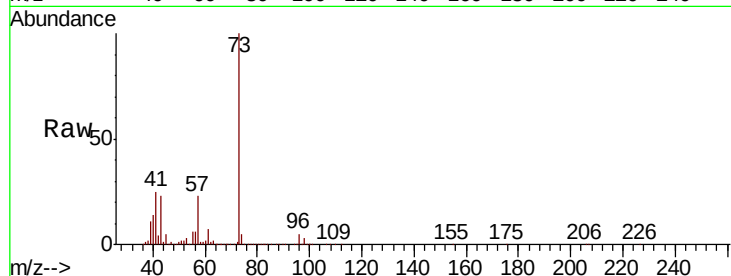
#19
Methvl tert-butvl Ether
Concen: 22.678 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX008261.D
Acq: 20 Mar 2019 23:57

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD02

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.3	18.2	27.4

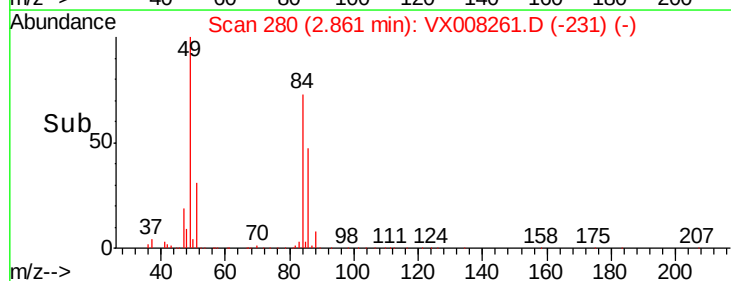
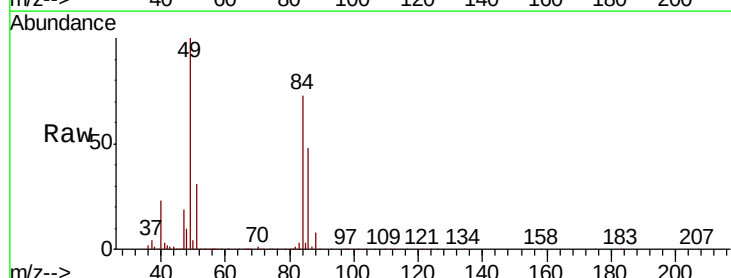
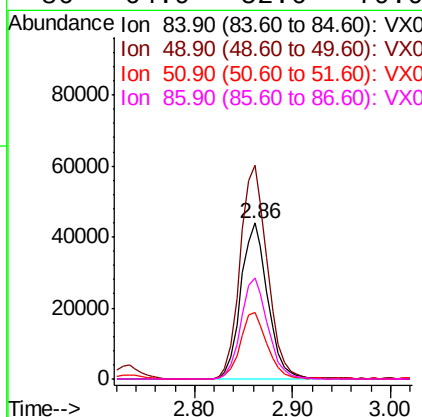
Manual Integrations
APPROVED

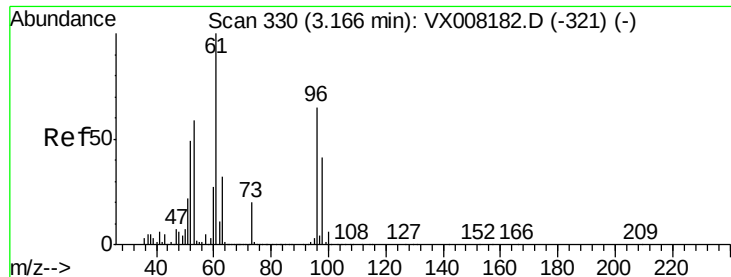
MMDadoda
3/22/2019 5:34:17 PM



#20
Methylene Chloride
Concen: 21.681 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX008261.D
Acq: 20 Mar 2019 23:57

Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.8	99.3	148.9
51	42.2	31.3	46.9
86	64.9	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 21.889 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.01 min

Lab File: VX008261.D

Acq: 20 Mar 2019 23:57

Instrument :

MSVOA_X

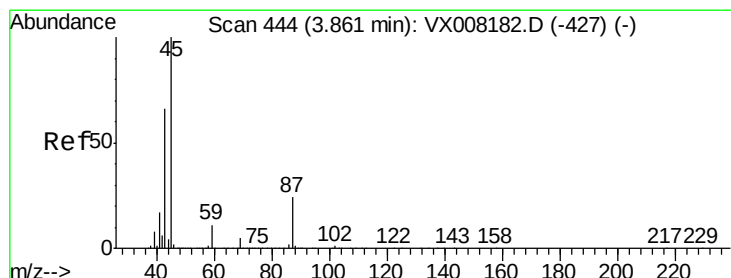
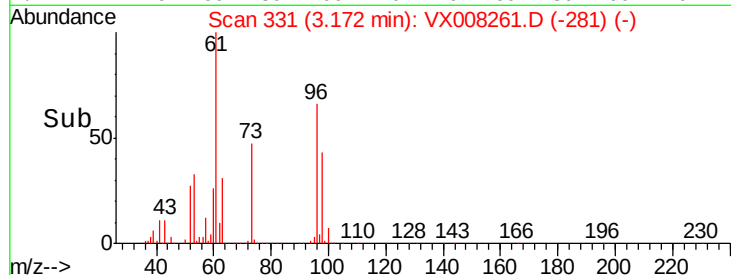
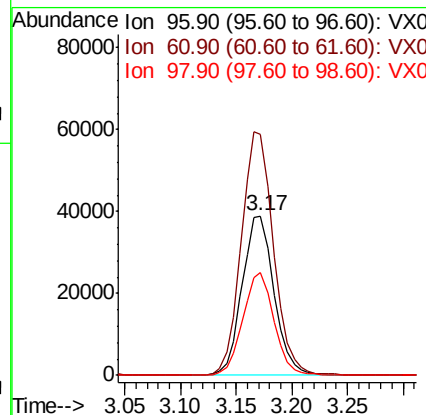
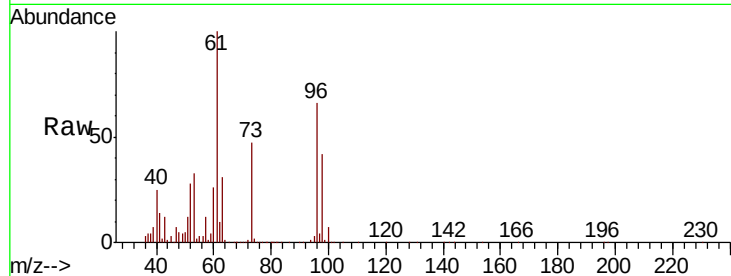
ClientSampleId :

VX0320WBSD02

Tot Ion:	96	Resp:	77572
Ion	Ratio	Lower	Upper
96	100		
61	150.9	114.4	171.6
98	64.2	51.1	76.7

Manual Integrations
APPROVED

MMDadoda
3/22/2019 5:34:17 PM



#22

Diisopropyl ether

Concen: 22.591 ug/l

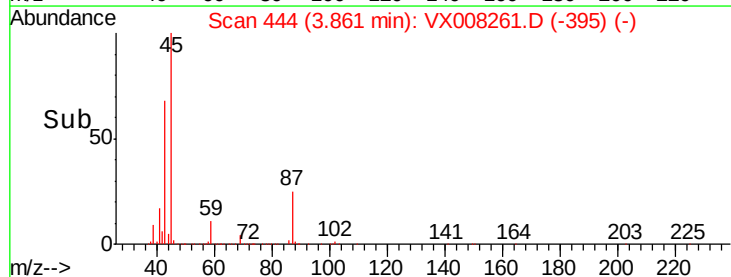
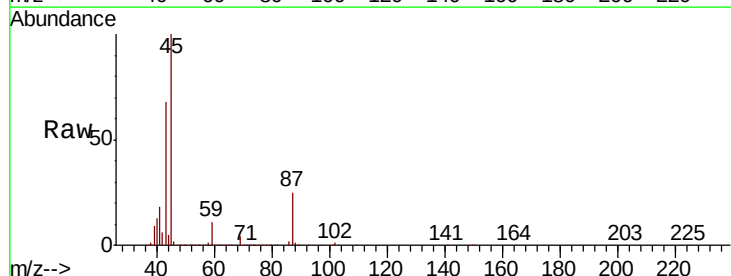
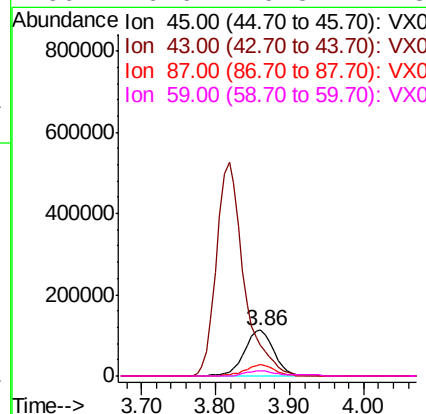
RT: 3.86 min Scan# 444

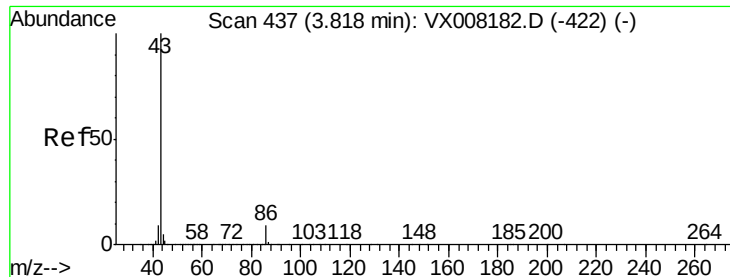
Delta R.T. 0.00 min

Lab File: VX008261.D

Acq: 20 Mar 2019 23:57

Tgt Ion:	45	Resp:	315966
Ion	Ratio	Lower	Upper
45	100		
43	67.6	45.3	67.9
87	24.7	21.4	32.0
59	10.6	9.5	14.3





#23

Vinyl Acetate

Concen: 112.628 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX008261.D

Acq: 20 Mar 2019 23:57

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBSD02

Tot Ion: 43 Resp: 1350511

Ion Ratio Lower Upper

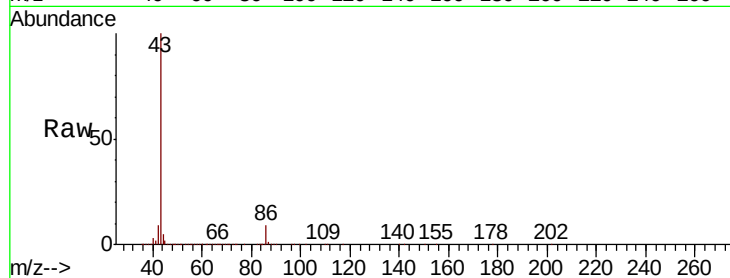
43 100

86 9.0 7.9 11.9

Manual Integrations
APPROVED

MMDadoda

3/22/2019 5:34:17 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

600000

500000

400000

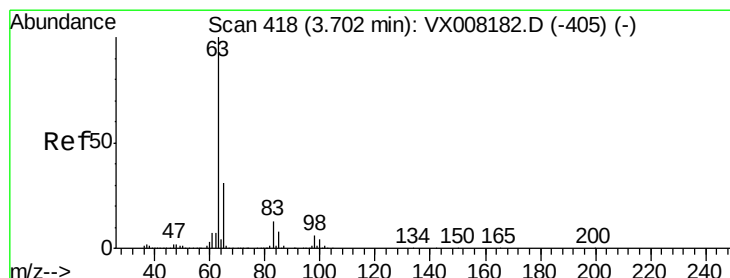
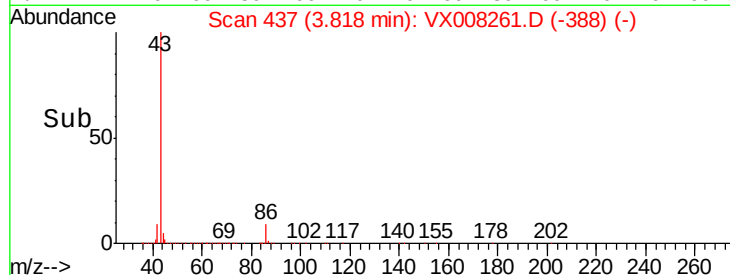
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 22.332 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.00 min

Lab File: VX008261.D

Acq: 20 Mar 2019 23:57

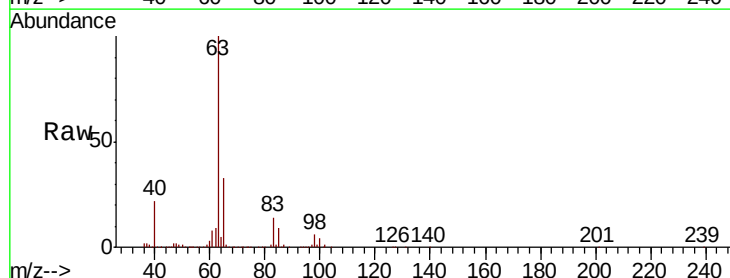
Tgt Ion: 63 Resp: 160641

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

100 3.8 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

80000

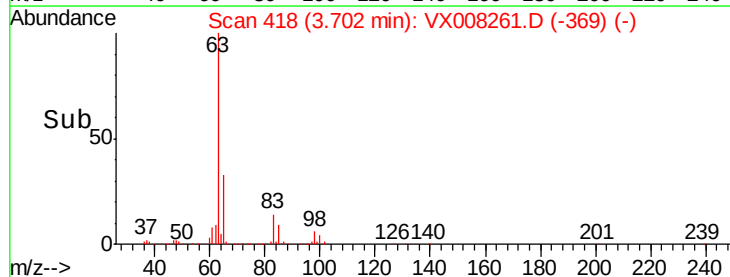
60000

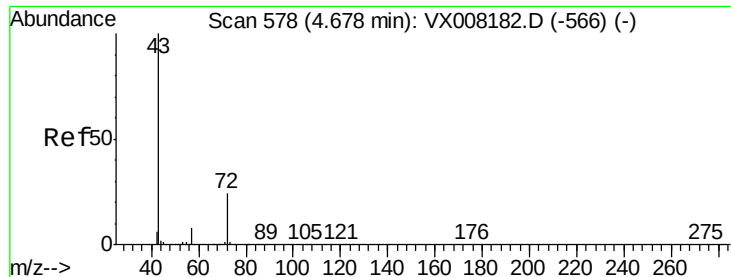
40000

20000

0

Time-->





#25

2-Butanone

Concen: 110.361 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX008261.D

Acq: 20 Mar 2019 23:57

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBSD02

Tot Ion: 43 Resp: 376226

Ion Ratio Lower Upper

43 100

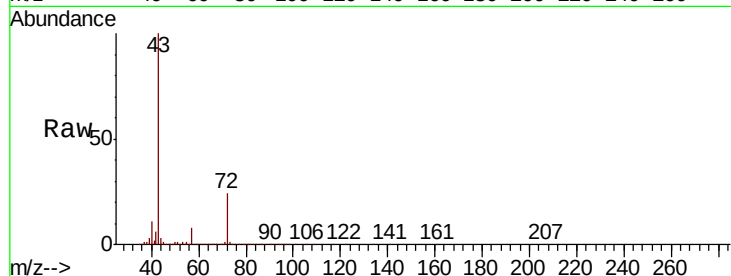
72 23.7 19.9 29.9

Manual Integrations

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MMDadoda

3/22/2019 5:34:17 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

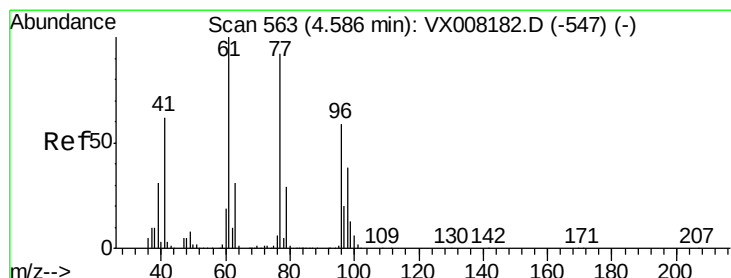
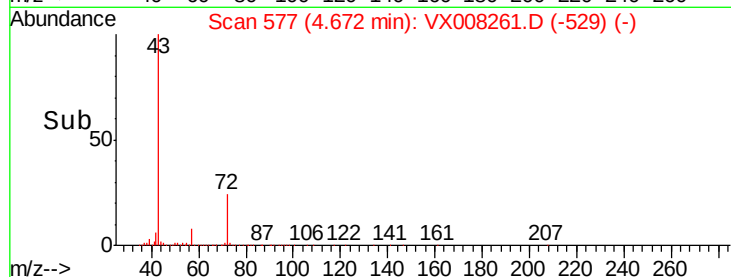
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 17.135 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX008261.D

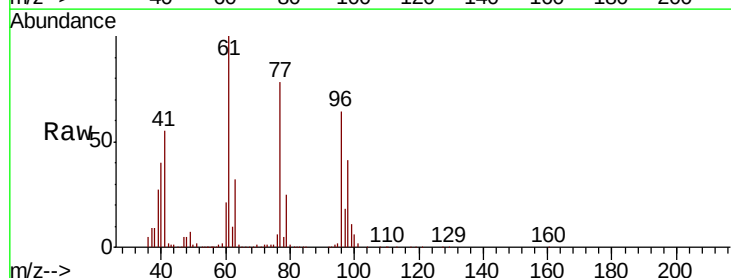
Acq: 20 Mar 2019 23:57

Tgt Ion: 77 Resp: 92853

Ion Ratio Lower Upper

77 100

97 23.3 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

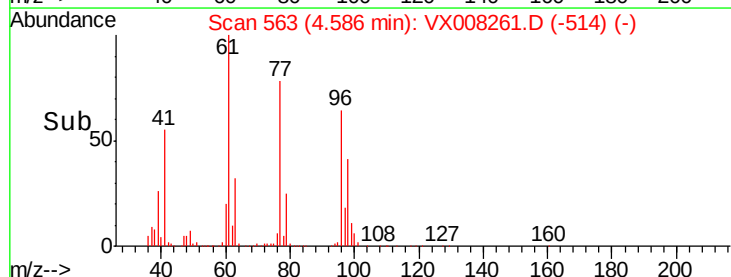
20000

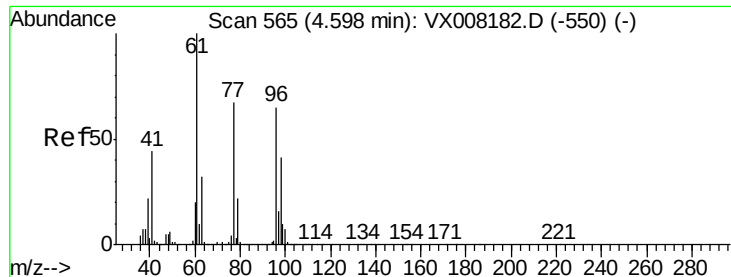
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

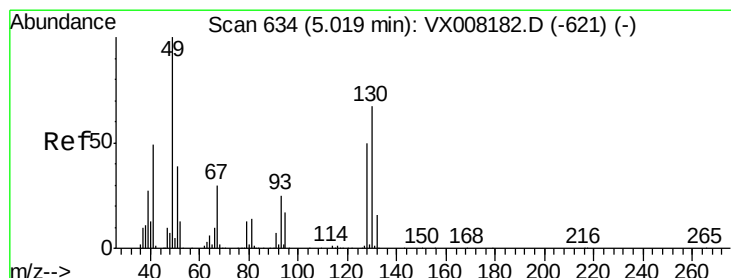
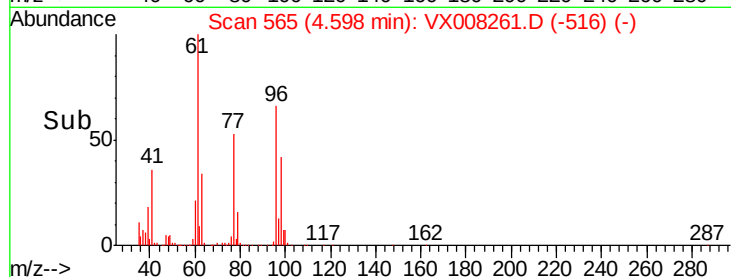
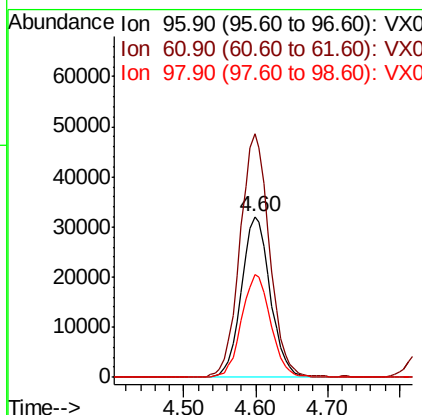
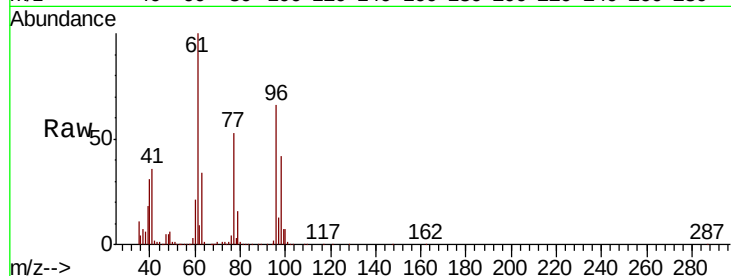
cis-1,2-Dichloroethene
Concen: 22.054 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX008261.D
Acq: 20 Mar 2019 23:57

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.5	0.0	288.0
98	64.3	0.0	129.0

Manual Integrations
APPROVED

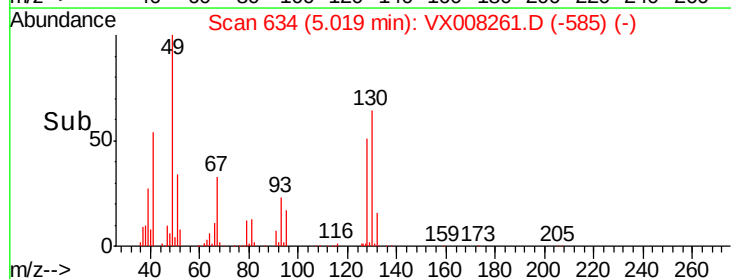
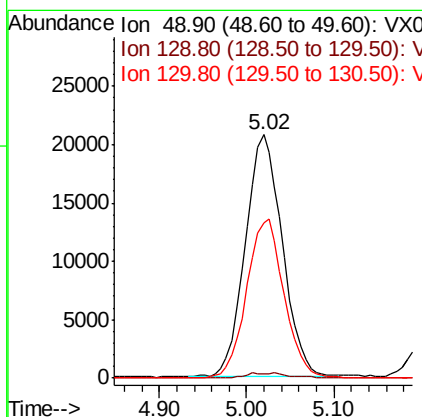
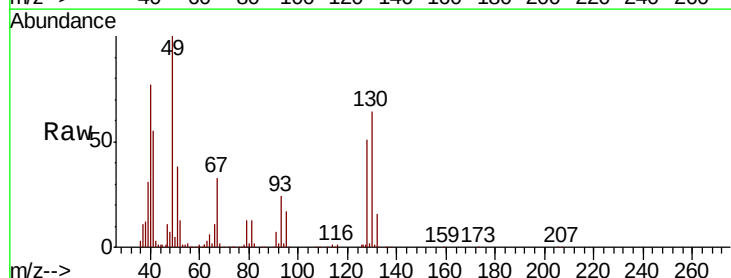
MMDadoda
3/22/2019 5:34:17 PM

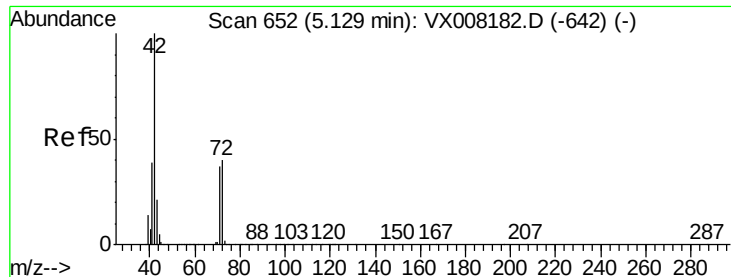


#28

Bromochloromethane
Concen: 18.901 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX008261.D
Acq: 20 Mar 2019 23:57

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.0
130	66.5	65.0	97.4





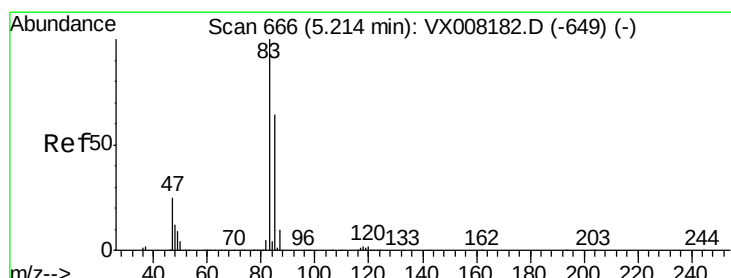
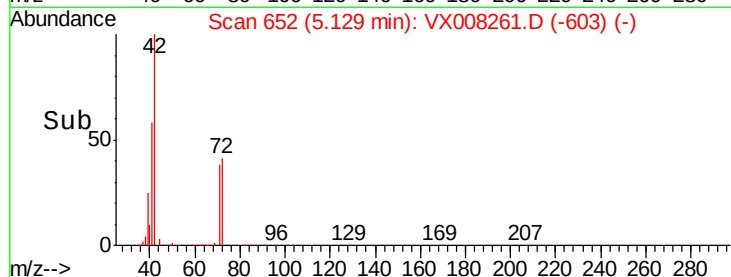
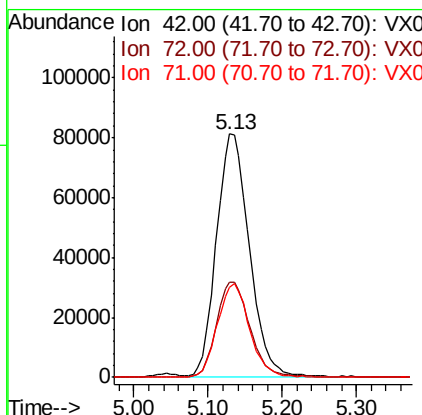
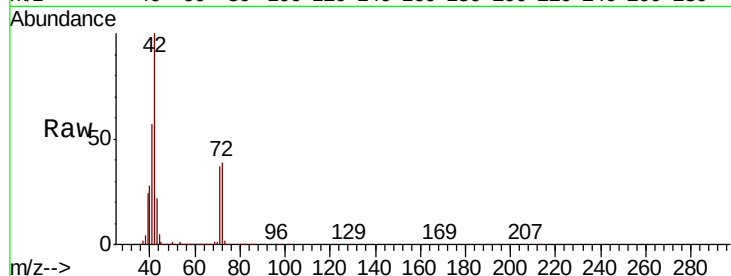
#29
Tetrahydrofuran
Concen: 116.012 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX008261.D
Acq: 20 Mar 2019 23:57

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
42	100	247235		
72	40.4		33.8	50.6
71	38.1		31.5	47.3

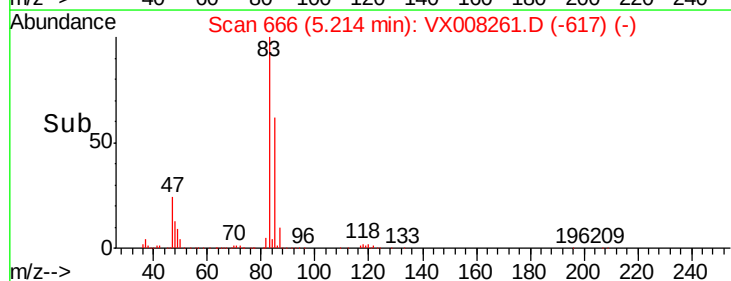
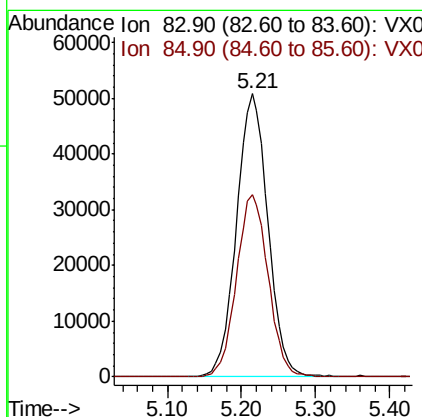
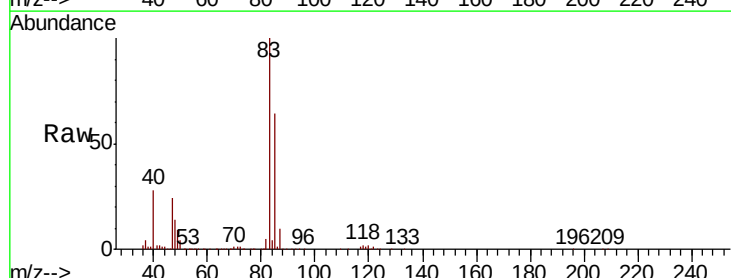
Manual Integrations
APPROVED

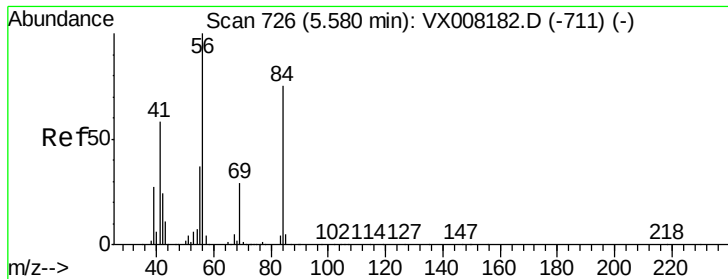
MMDadoda
3/22/2019 5:34:17 PM



#30
Chloroform
Concen: 22.363 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX008261.D
Acq: 20 Mar 2019 23:57

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	150476		
85	64.2		51.8	77.6





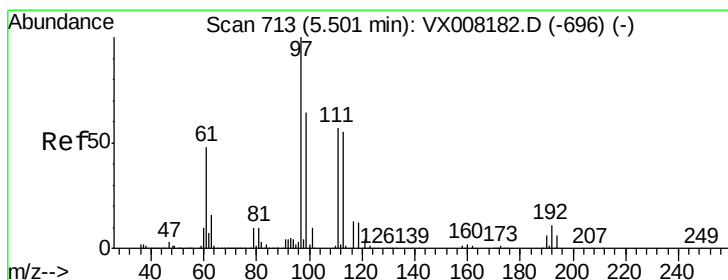
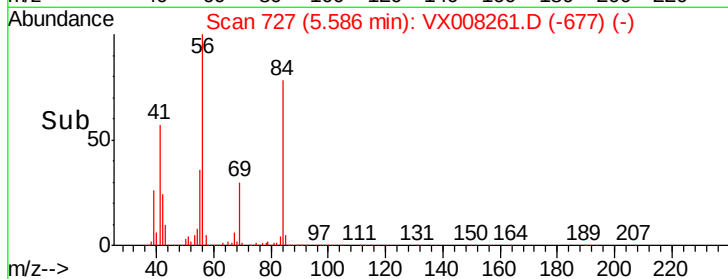
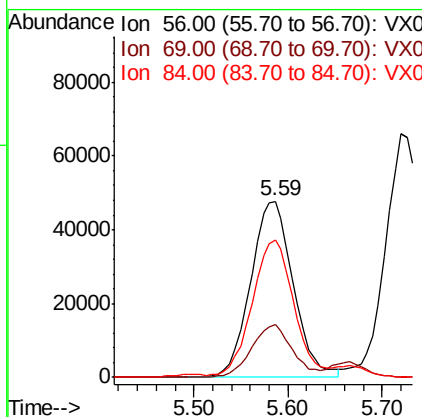
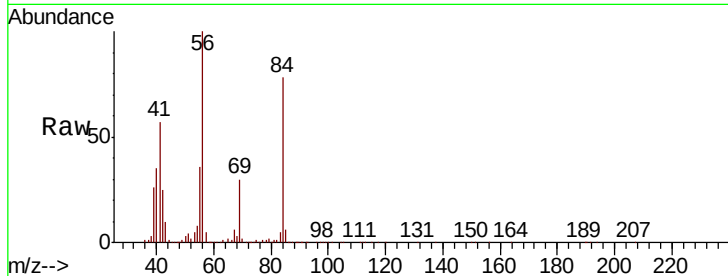
#31
Cyclohexane
Concen: 22.293 ug/l
RT: 5.59 min Scan# 727
Delta R.T. 0.01 min
Lab File: VX008261.D
Acq: 20 Mar 2019 23:57

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.1	24.0	36.0
84	76.9	65.3	97.9

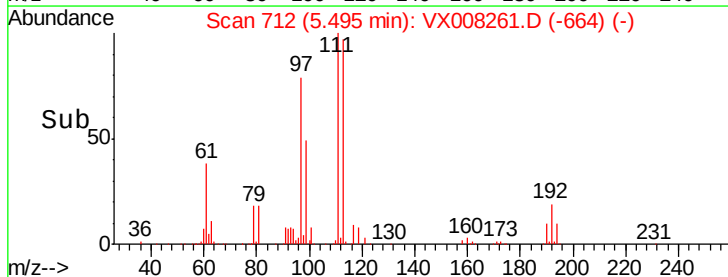
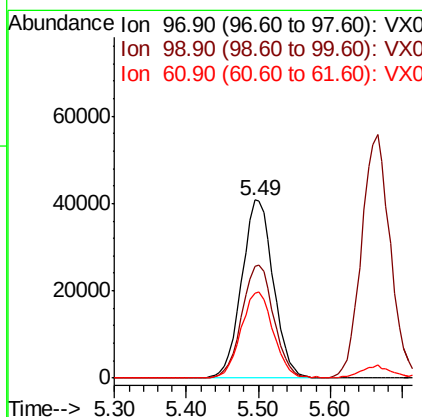
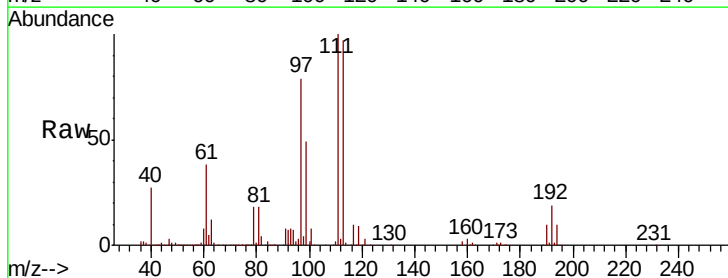
Manual Integrations
APPROVED

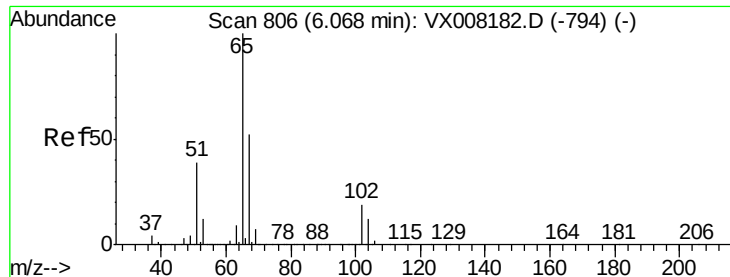
MMDadoda
3/22/2019 5:34:17 PM



#32
1,1,1-Trichloroethane
Concen: 22.261 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX008261.D
Acq: 20 Mar 2019 23:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	52.2	78.2
61	48.7	34.9	52.3





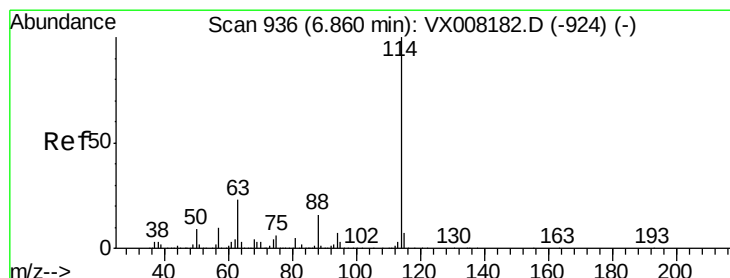
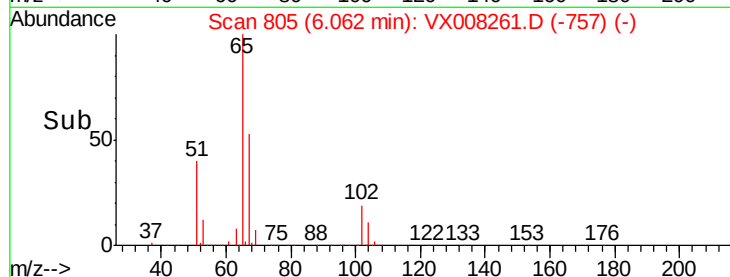
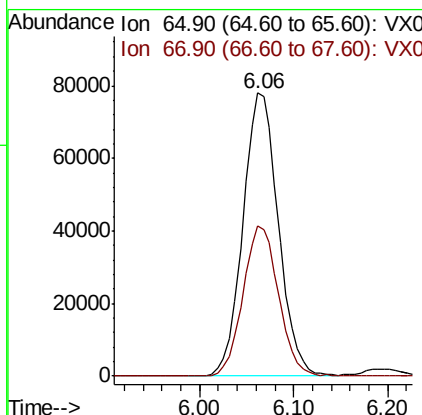
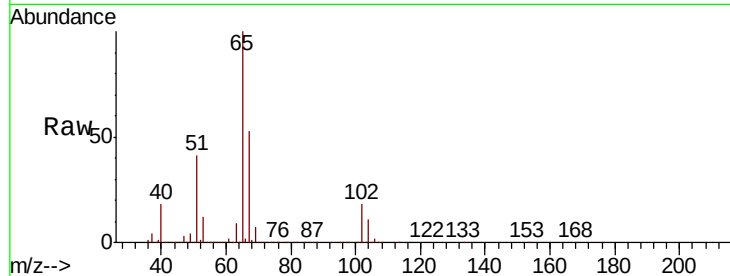
#33
 1,2-Dichloroethane-d4
 Concen: 50.452 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX008261.D
 Acq: 20 Mar 2019 23:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320WBSD02

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	110.0

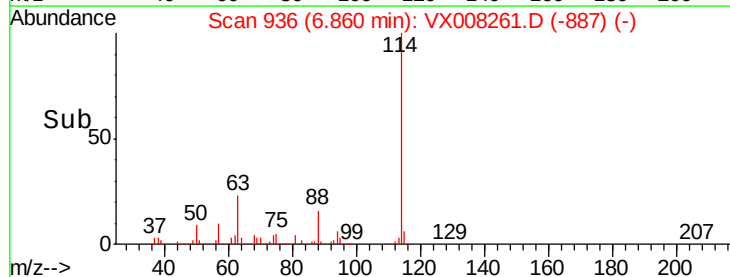
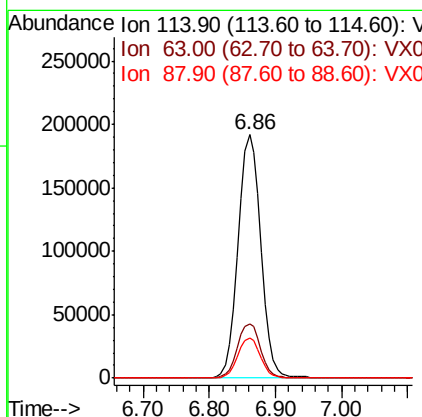
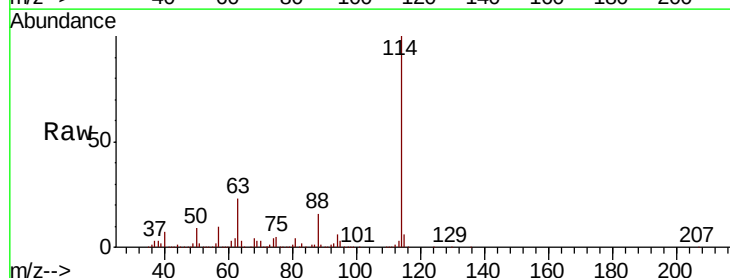
Manual Integrations
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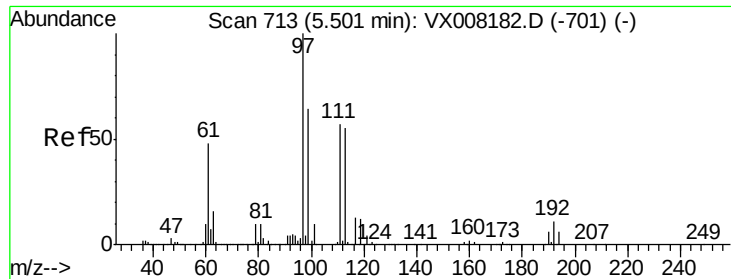
MMDadoda
 3/22/2019 5:34:17 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008261.D
 Acq: 20 Mar 2019 23:57

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	39.8
88	16.4	0.0	31.4





#35

Dibromofluoromethane

Concen: 50.237 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008261.D

Acq: 20 Mar 2019 23:57

Instrument :

MSVOA_X

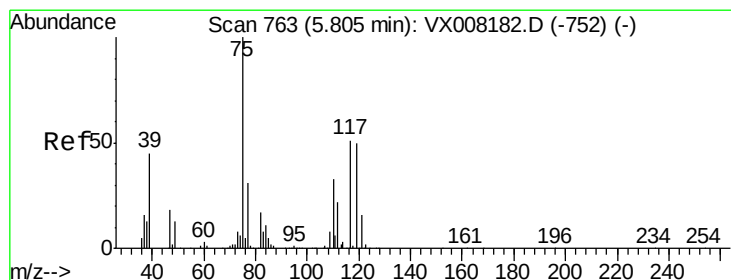
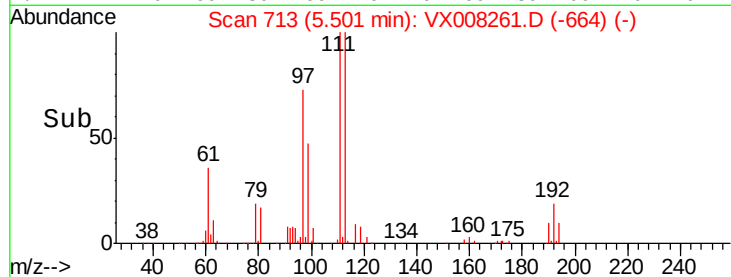
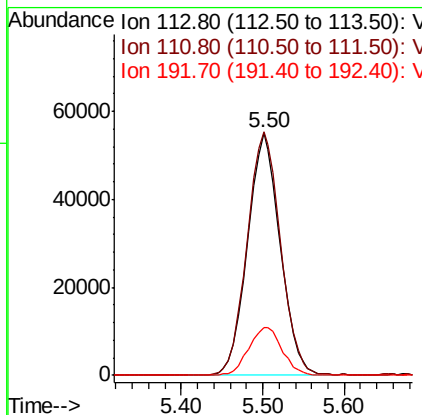
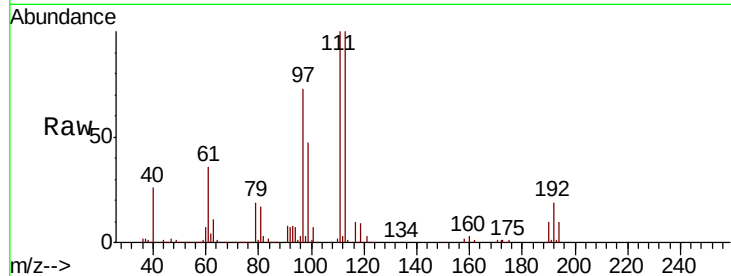
ClientSampleId :

VX0320WBSD02

Tot Ion:	113	Resp:	153855
Ion Ratio	Lower	Upper	
113	100		
111	102.6	81.4	122.0
192	20.4	19.4	29.0

Manual Integrations
APPROVED

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3/22/2019 5:34:17 PM



#36

1,1-Dichloropropene

Concen: 21.129 ug/l

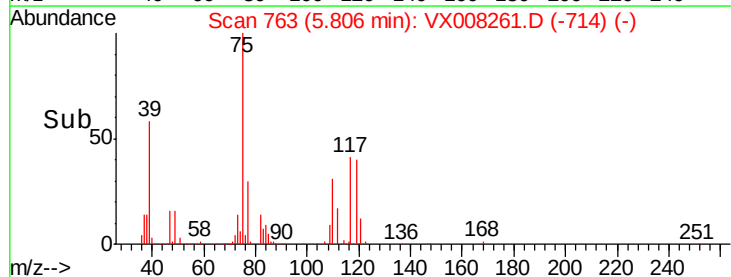
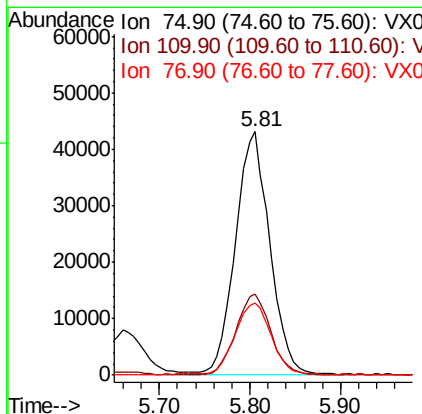
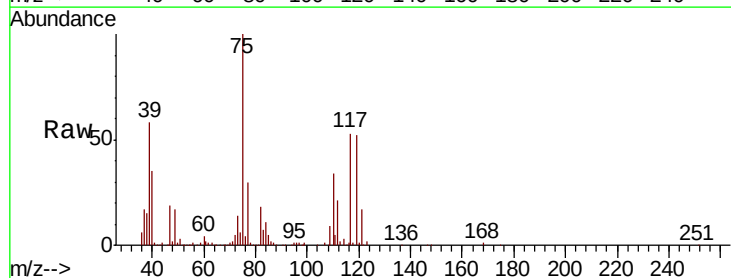
RT: 5.81 min Scan# 763

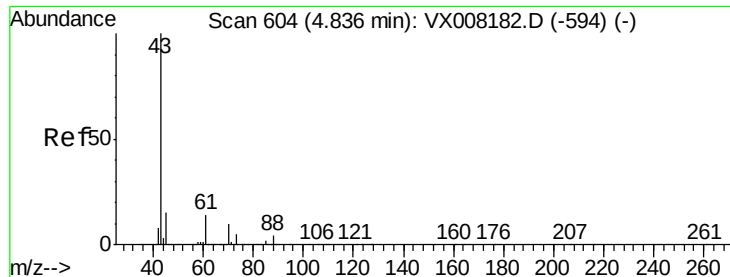
Delta R.T. 0.00 min

Lab File: VX008261.D

Acq: 20 Mar 2019 23:57

Tgt Ion:	75	Resp:	112544
Ion Ratio	Lower	Upper	
75	100		
110	34.2	18.4	55.0
77	32.2	25.0	37.4





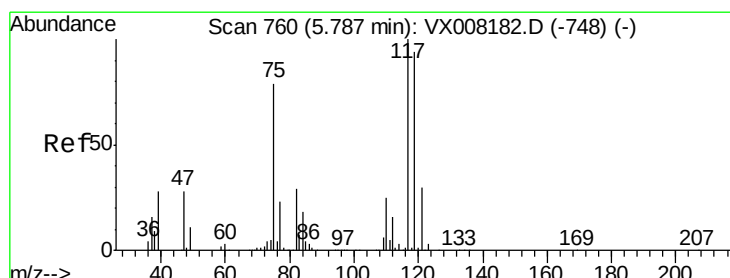
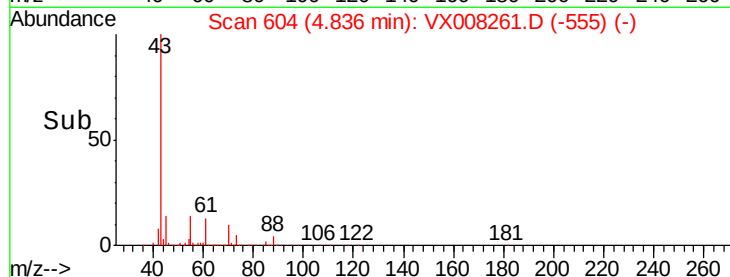
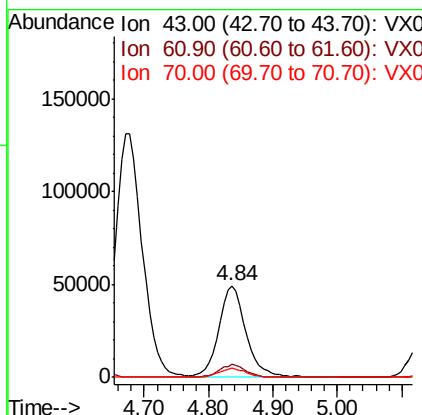
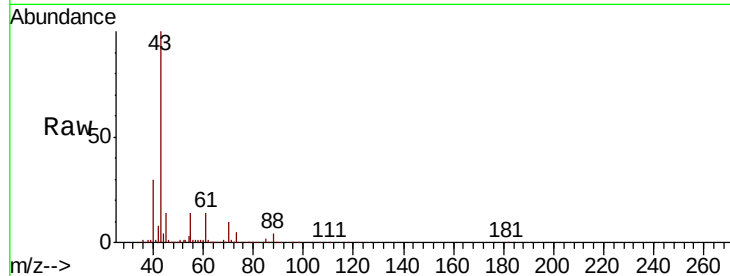
#37
Ethyl Acetate
Concen: 22.929 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX008261.D
Acq: 20 Mar 2019 23:57

Instrument :
MSVOA_X
ClientSampled :
VX0320WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.3	16.9
70	10.4	8.5	12.7

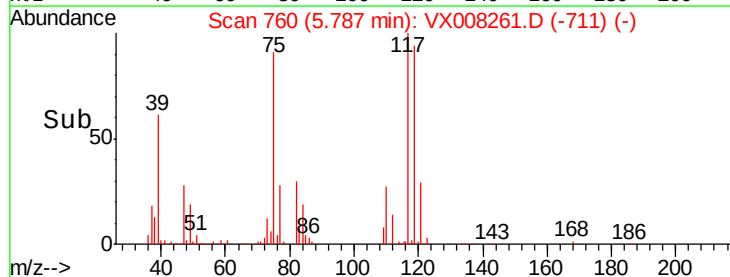
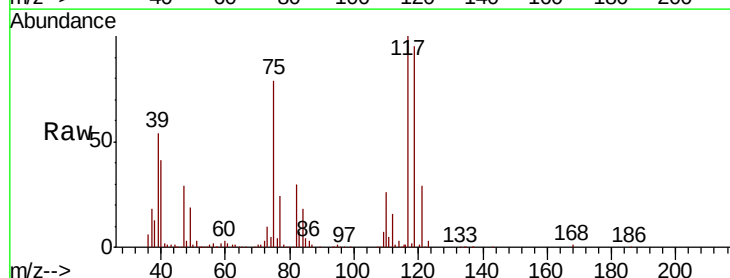
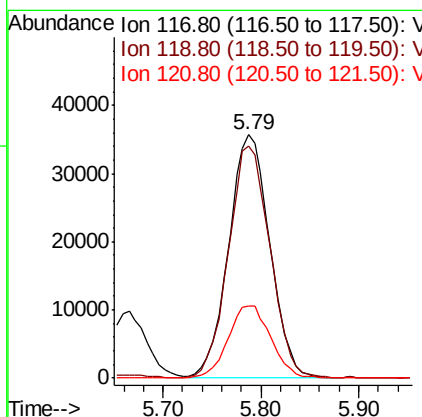
Manual Integrations
APPROVED

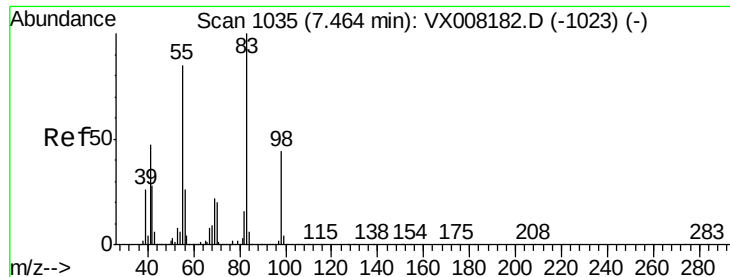
MMDadoda
3/22/2019 5:34:17 PM



#38
Carbon Tetrachloride
Concen: 21.845 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX008261.D
Acq: 20 Mar 2019 23:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	76.2	114.2
121	29.4	24.6	36.8





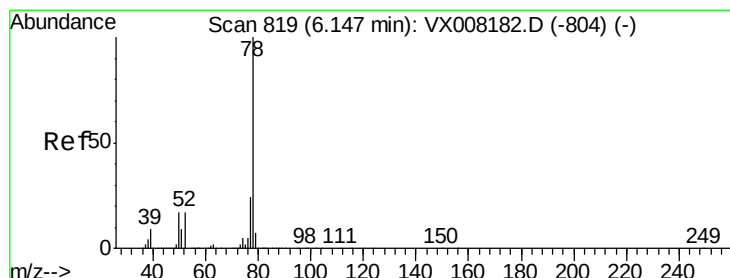
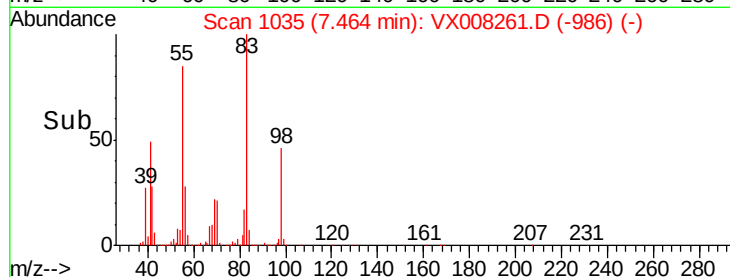
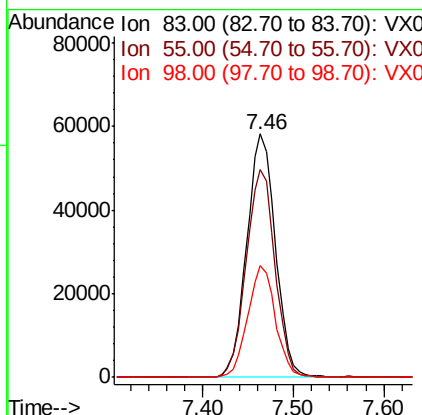
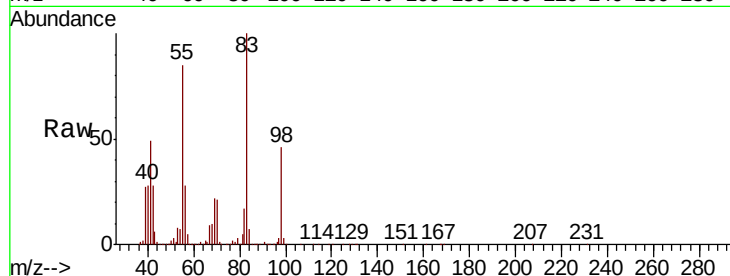
#39
Methylvlcyclohexane
Concen: 19.885 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008261.D
Acq: 20 Mar 2019 23:57

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD02

Tot Ion	83	Resp	127459
Ion Ratio	Lower	Upper	
83	100		
55	85.0	60.4	90.6
98	45.7	36.5	54.7

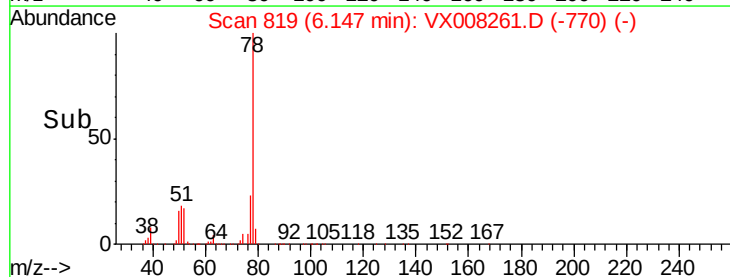
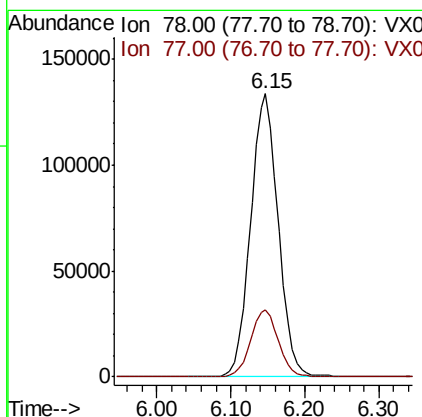
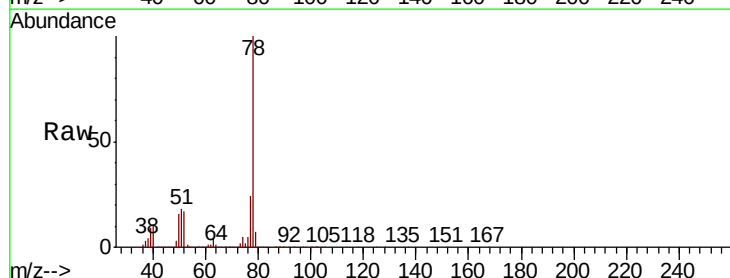
Manual Integrations
APPROVED

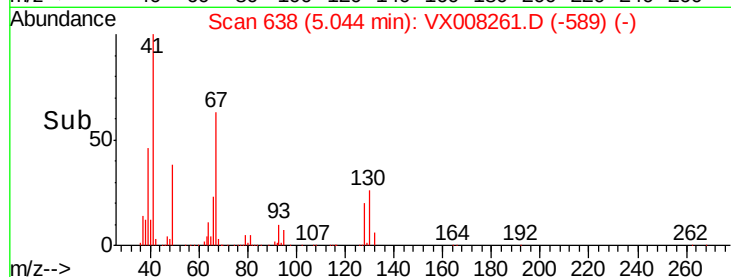
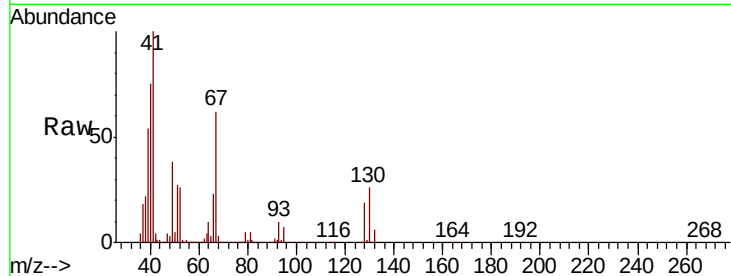
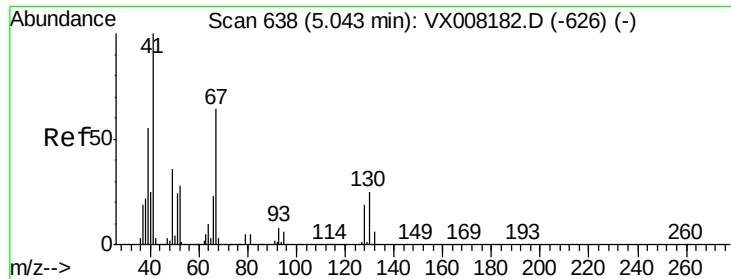
MMDadoda
3/22/2019 5:34:17 PM



#40
Benzene
Concen: 21.982 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.00 min
Lab File: VX008261.D
Acq: 20 Mar 2019 23:57

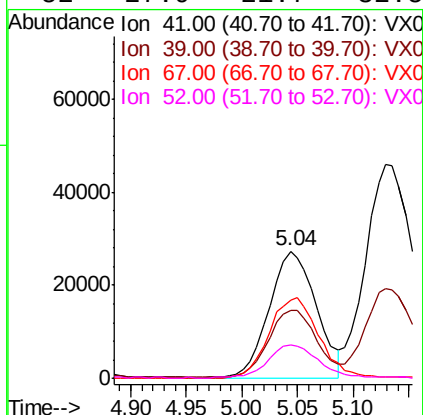
Tgt Ion	78	Resp	346547
Ion Ratio	Lower	Upper	
78	100		
77	23.6	19.0	28.4





#41
Methacrylonitrile
Concen: 22.670 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX008261.D
Acq: 20 Mar 2019 23:57

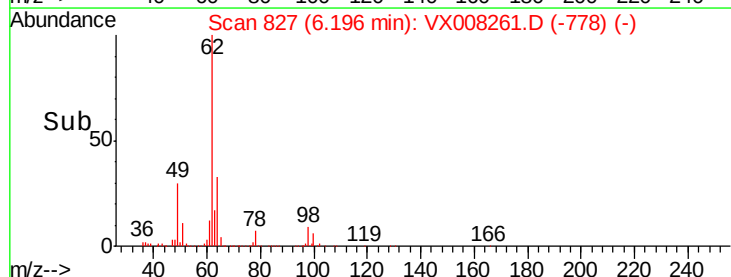
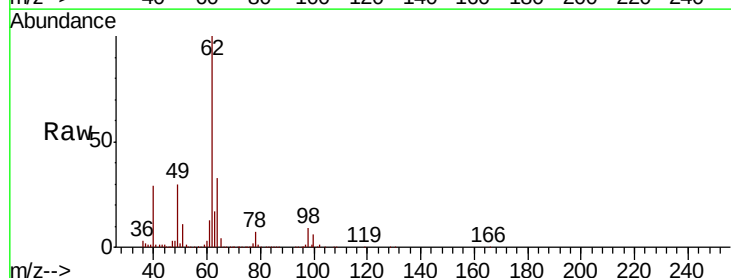
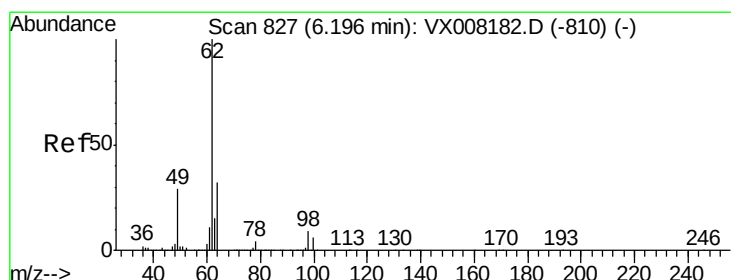
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.7	41.6	62.4	
67	66.8	55.8	83.6	
52	27.9	21.7	32.5	



Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD02

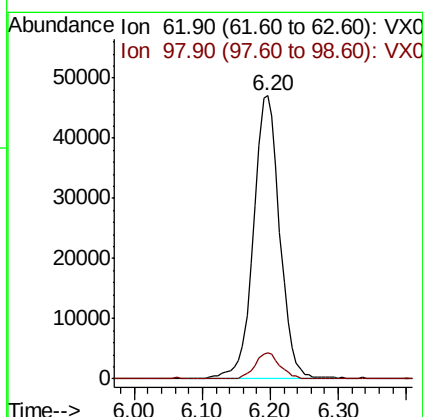
Manual Integrations
APPROVED

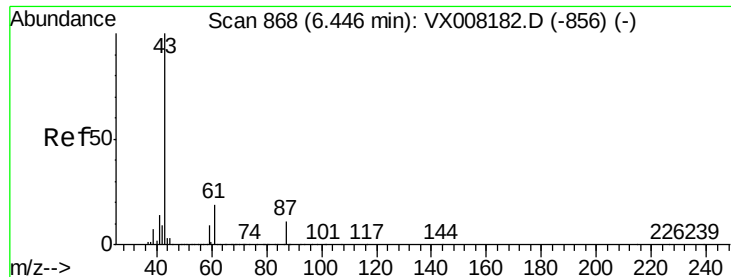
MMDadoda
3/22/2019 5:34:17 PM



#42
1,2-Dichloroethane
Concen: 22.031 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX008261.D
Acq: 20 Mar 2019 23:57

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.9	0.0	20.4	





#43

Isopropyl Acetate

Concen: 22.235 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX008261.D

Acq: 20 Mar 2019 23:57

Instrument :

MSVOA_X

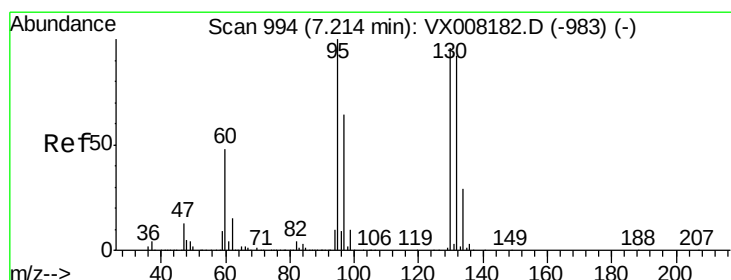
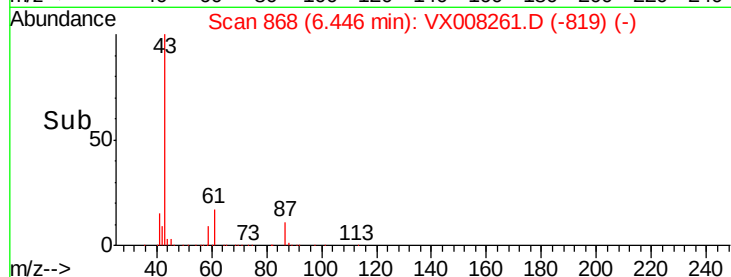
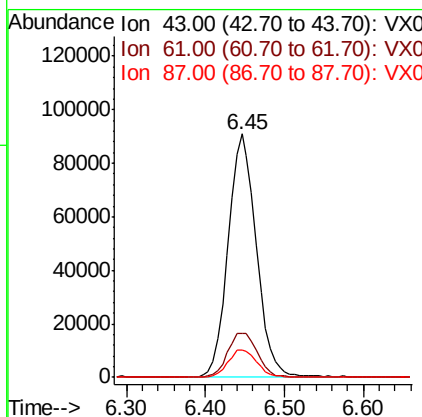
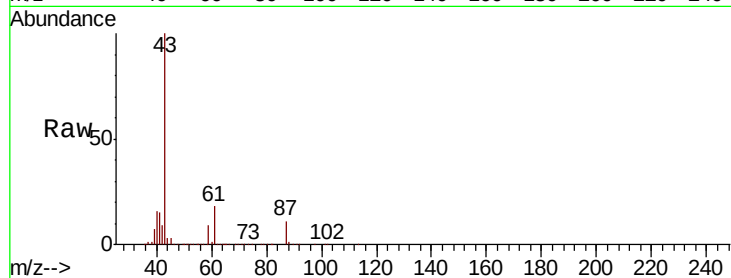
ClientSampleId :

VX0320WBSD02

Tot Ion:	43	Resp:	224403
Ion	Ratio	Lower	Upper
43	100		
61	19.6	16.3	24.5
87	11.8	10.5	15.7

Manual Integrations
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3/22/2019 5:34:17 PM



#44

Trichloroethene

Concen: 21.655 ug/l

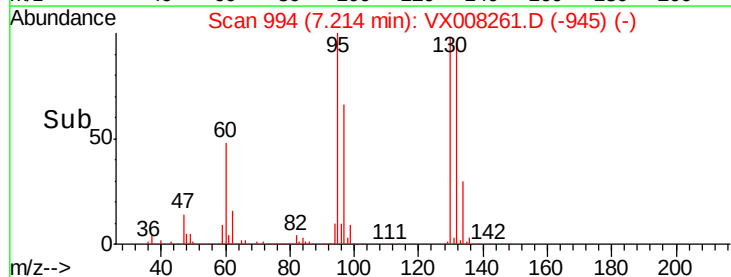
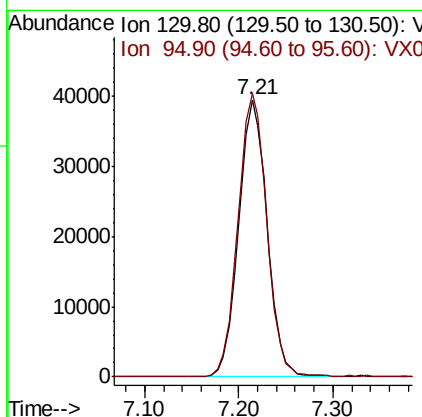
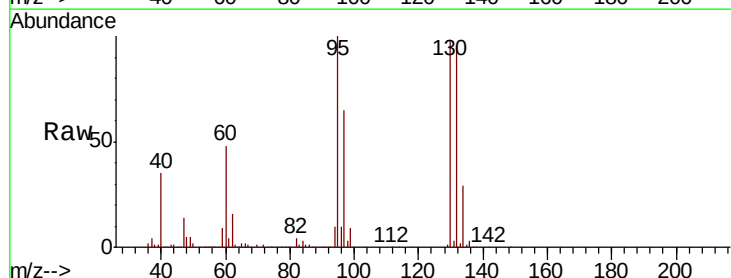
RT: 7.21 min Scan# 994

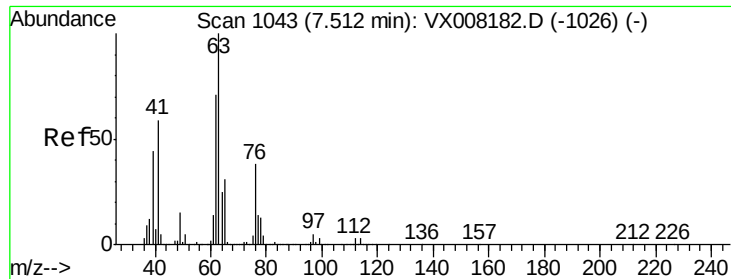
Delta R.T. 0.00 min

Lab File: VX008261.D

Acq: 20 Mar 2019 23:57

Tgt Ion:	130	Resp:	83475
Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	188.0





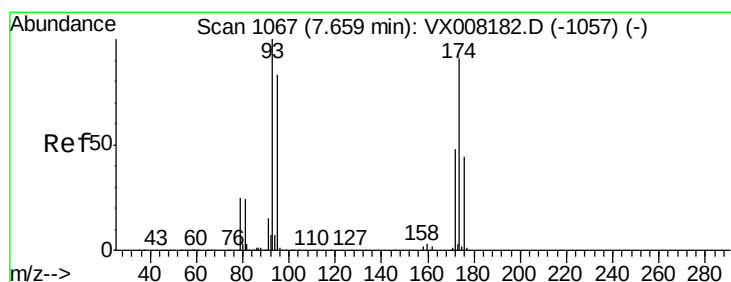
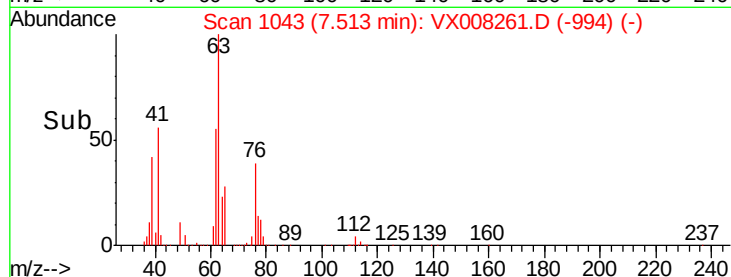
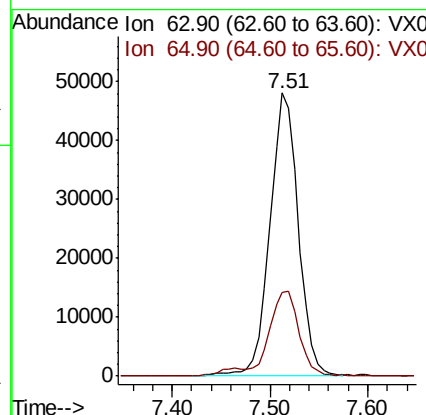
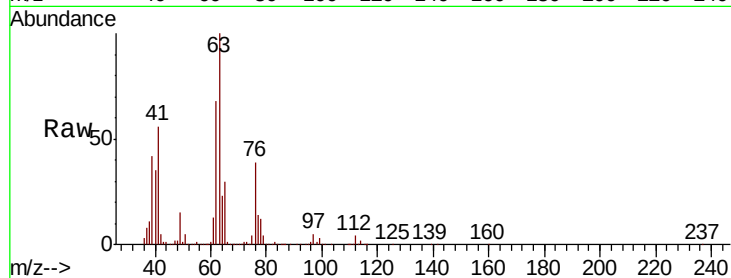
#45
 1,2-Dichloropropane
 Concen: 21.826 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX008261.D
 Acq: 20 Mar 2019 23:57

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0320WBSD02

Tot Ion: 63 Resp: 96323
 Ion Ratio Lower Upper
 63 100
 65 29.5 24.7 37.1

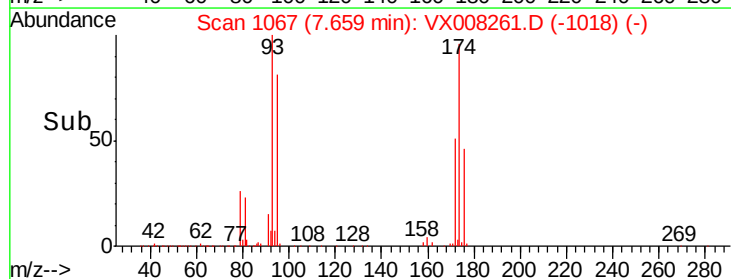
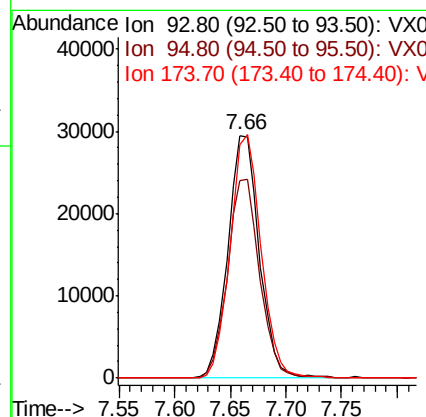
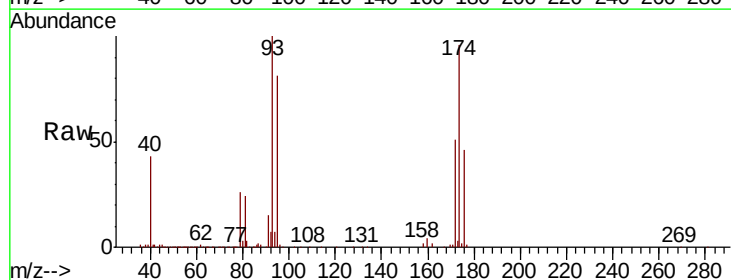
Manual Integrations
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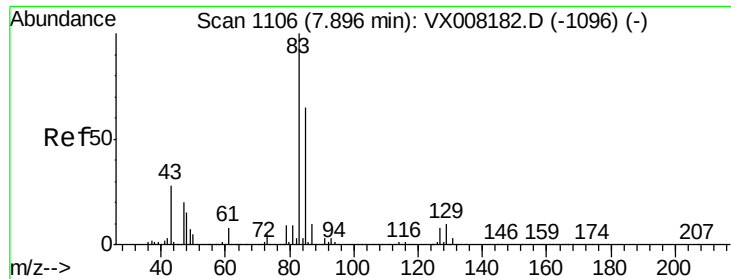
MMDadoda
 3/22/2019 5:34:17 PM



#46
 Dibromomethane
 Concen: 21.585 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX008261.D
 Acq: 20 Mar 2019 23:57

Tgt Ion: 93 Resp: 57676
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.8 100.2
 174 99.4 97.3 145.9





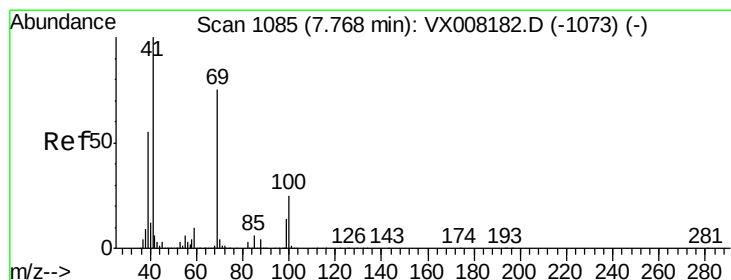
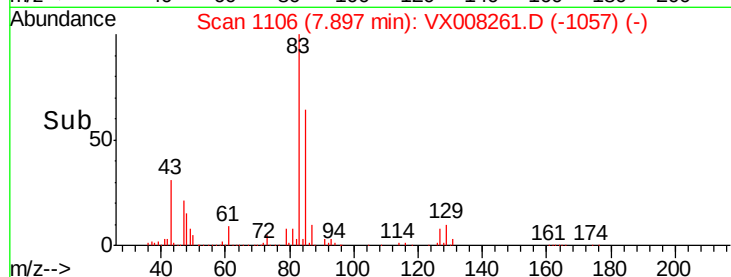
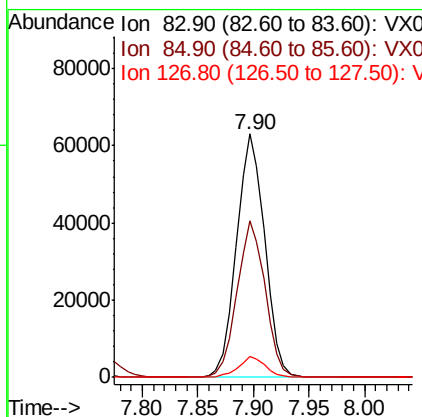
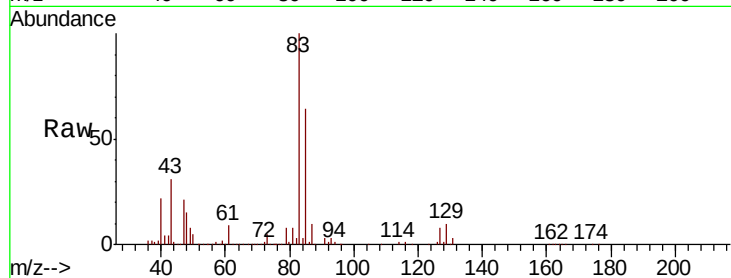
#47
Bromodichloromethane
Concen: 21.785 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX008261.D
Acq: 20 Mar 2019 23:57

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.9	76.3
127	8.3	7.4	11.0

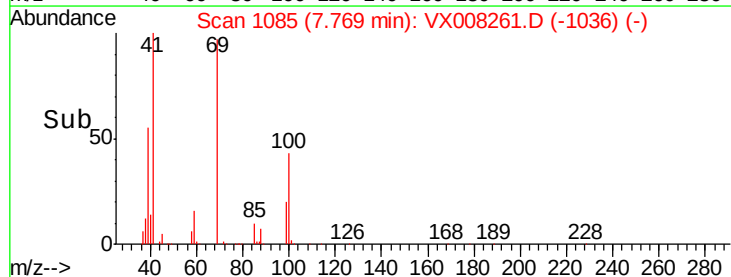
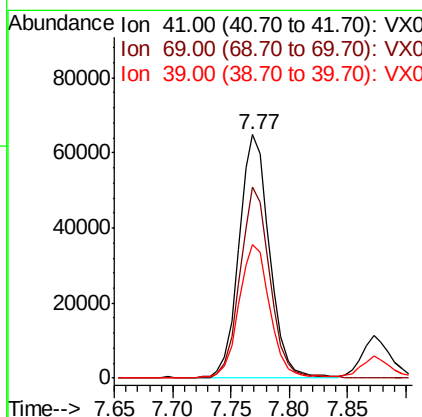
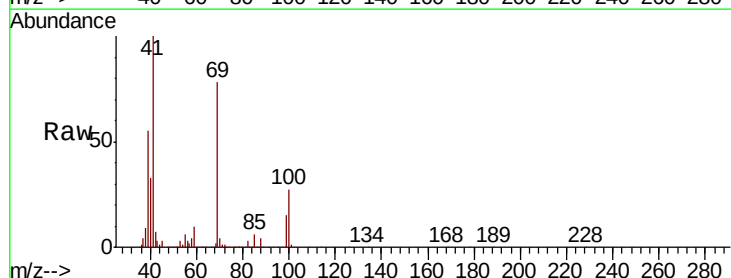
Manual Integrations
APPROVED

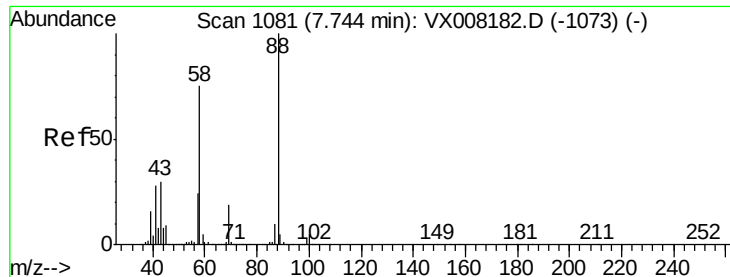
MMDadoda
3/22/2019 5:34:17 PM



#48
Methyl methacrylate
Concen: 21.865 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VX008261.D
Acq: 20 Mar 2019 23:57

Tgt Ion	Ratio	Lower	Upper
41	100		
69	77.6	65.2	97.8
39	55.7	39.4	59.2





#49

1,4-Dioxane

Concen: 443.249 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.01 min

Lab File: VX008261.D

Acq: 20 Mar 2019 23:57

Instrument :

MSVOA_X

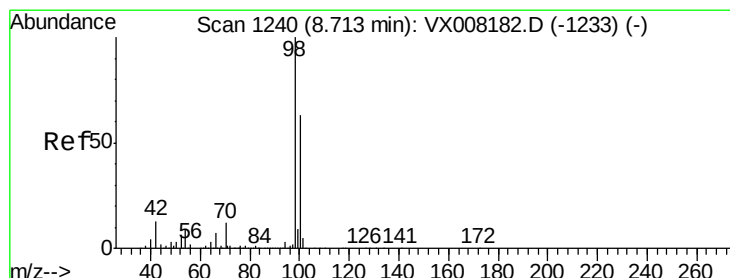
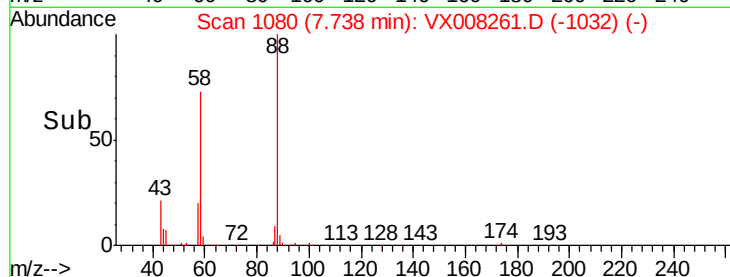
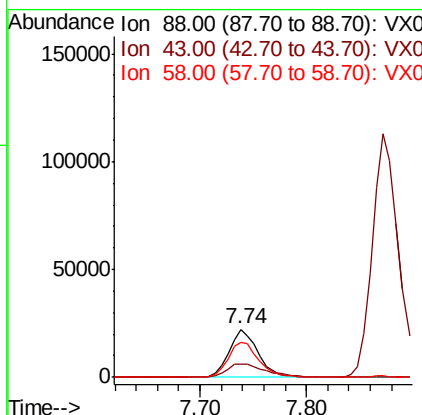
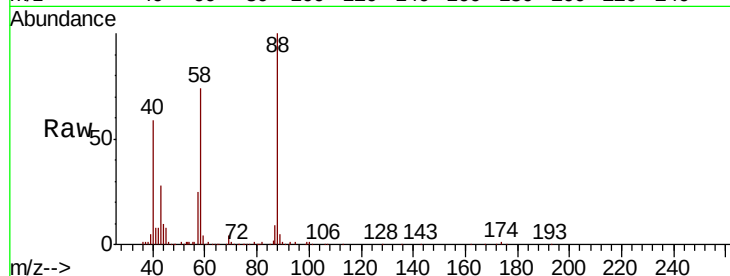
ClientSampleId :

VX0320WBSD02

Tot Ion:	88	Resp:	41974
Ion	Ratio	Lower	Upper
88	100		
43	36.8	25.1	37.7
58	79.4	57.8	86.6

Manual Integrations
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3/22/2019 5:34:17 PM



#50

Toluene-d8

Concen: 50.814 ug/l

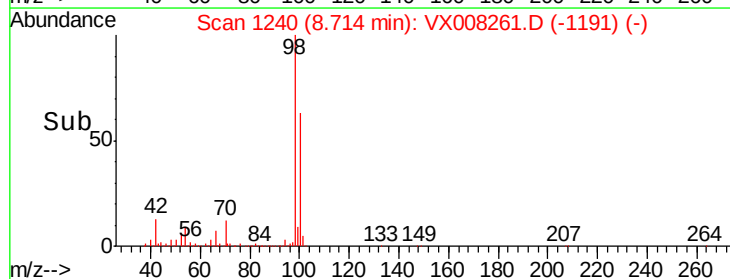
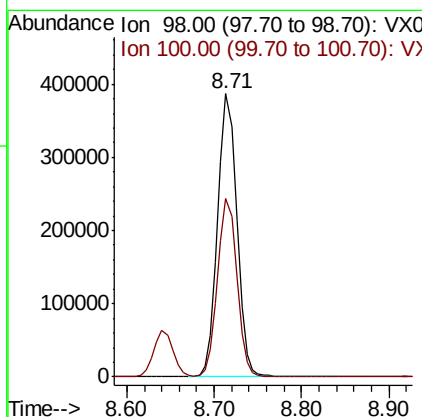
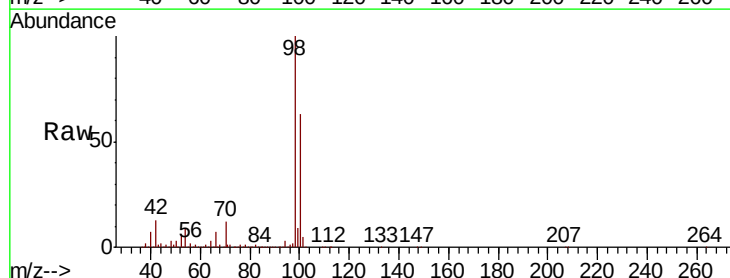
RT: 8.71 min Scan# 1240

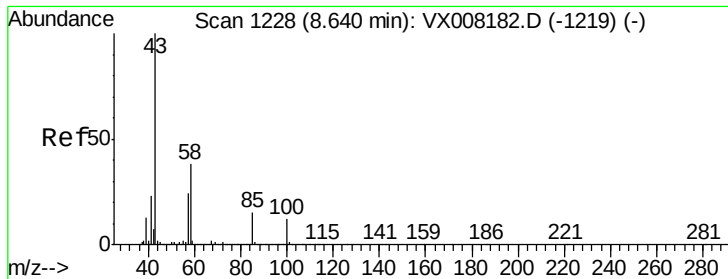
Delta R.T. 0.00 min

Lab File: VX008261.D

Acq: 20 Mar 2019 23:57

Tgt Ion:	98	Resp:	590025
Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.7	77.5





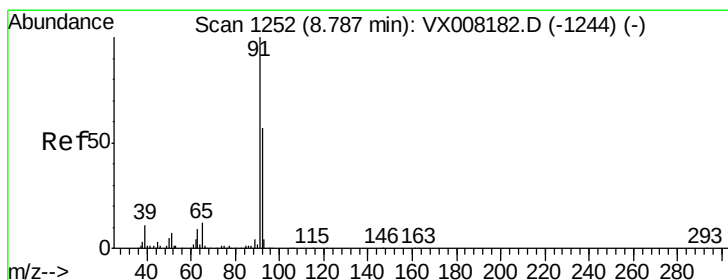
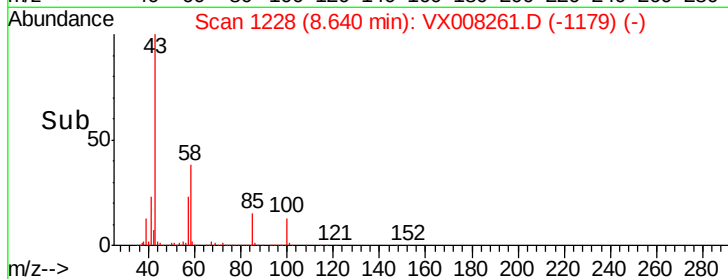
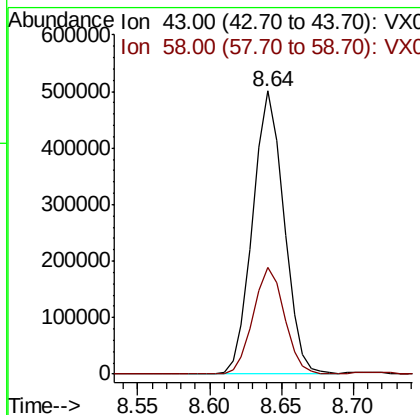
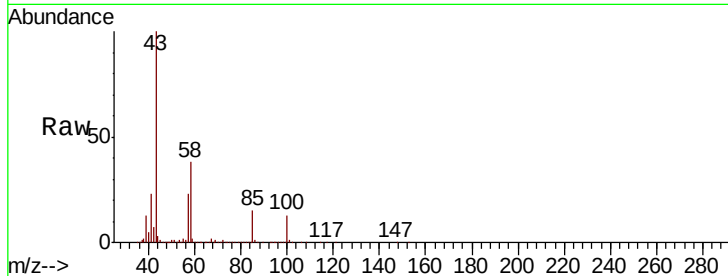
#51
4-Methyl-2-Pentanone
Concen: 115.177 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX008261.D
Acq: 20 Mar 2019 23:57

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.7	31.3	46.9

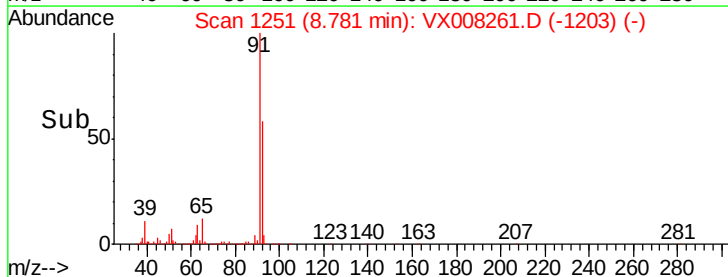
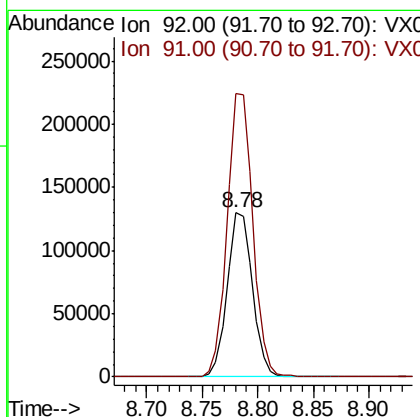
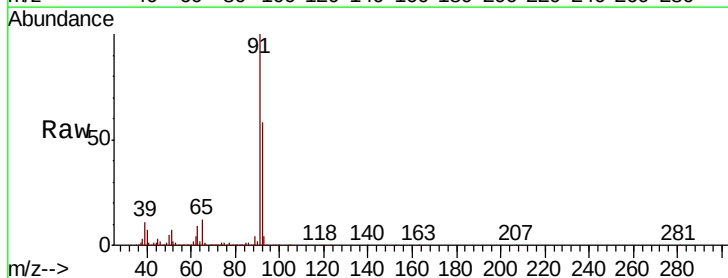
Manual Integrations
APPROVED

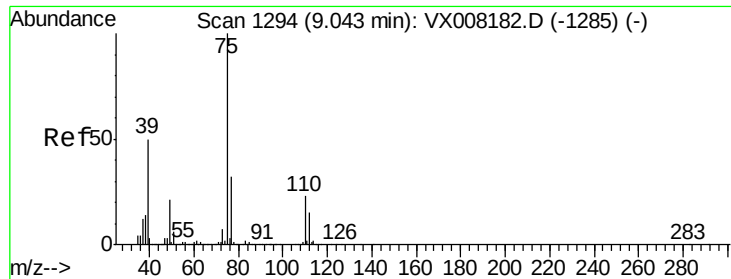
MMDadoda
3/22/2019 5:34:17 PM



#52
Toluene
Concen: 21.830 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX008261.D
Acq: 20 Mar 2019 23:57

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.5	137.4	206.0





#53

t-1,3-Dichloropropene

Concen: 19.320 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX008261.D

Acq: 20 Mar 2019 23:57

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBSD02

Tot Ion: 75 Resp: 117482

Ion Ratio Lower Upper

75 100

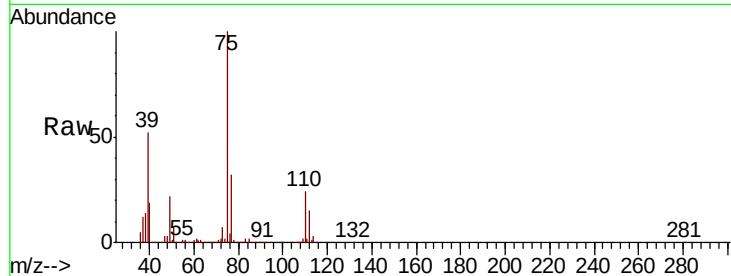
77 32.2 25.4 38.0

Manual Integrations

APPROVED

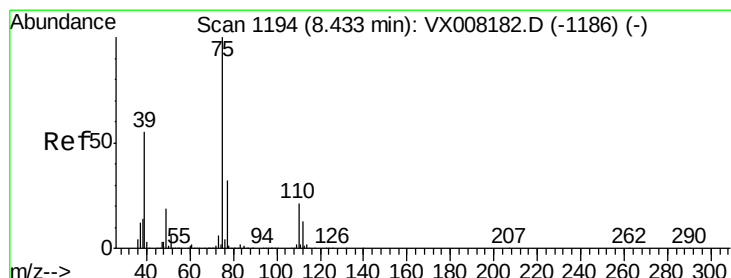
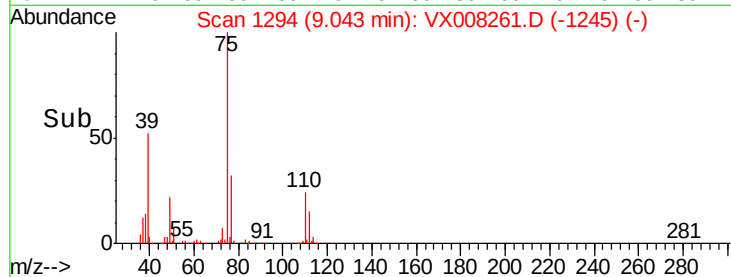
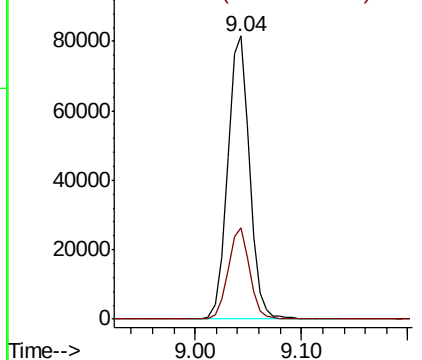
MMDadoda

3/22/2019 5:34:17 PM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 20.962 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX008261.D

Acq: 20 Mar 2019 23:57

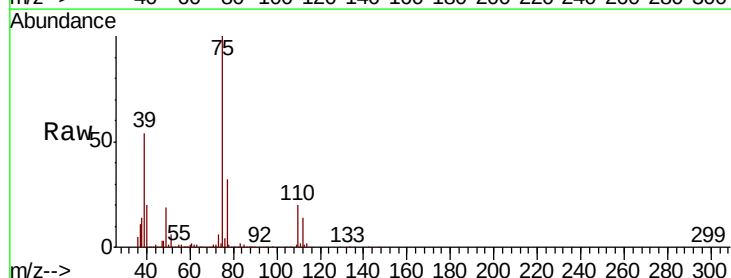
Tgt Ion: 75 Resp: 132476

Ion Ratio Lower Upper

75 100

77 31.8 25.0 37.6

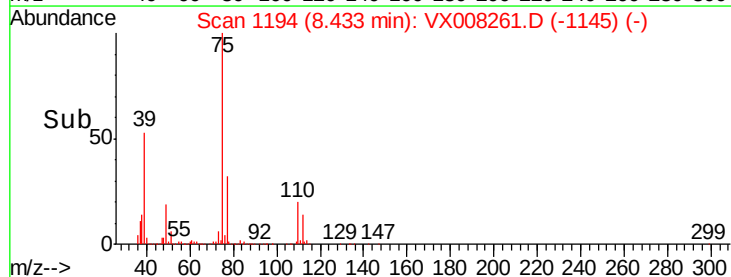
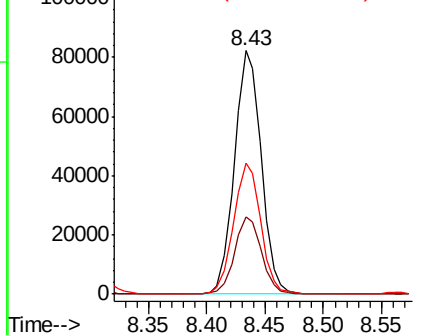
39 53.5 36.6 54.8

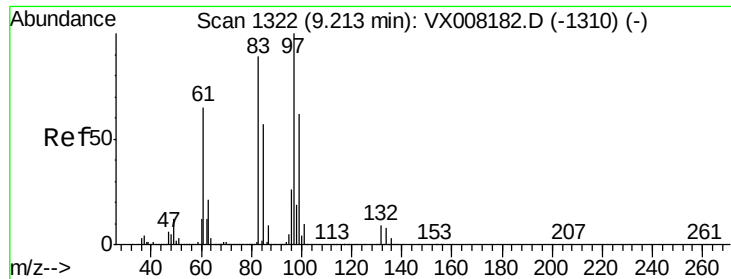


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





#55

1,1,2-Trichloroethane

Concen: 22.631 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX008261.D

Acq: 20 Mar 2019 23:57

Instrument :

MSVOA_X

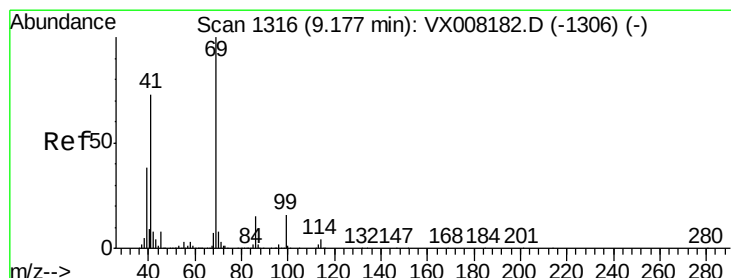
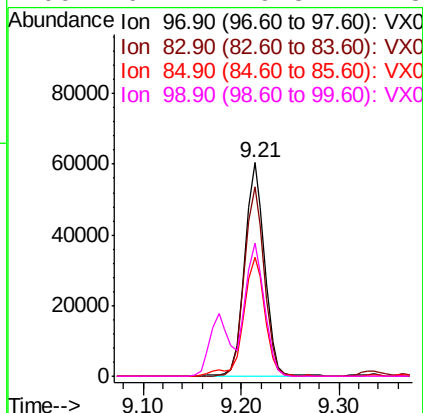
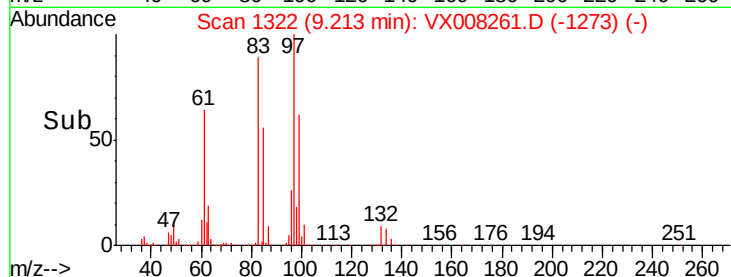
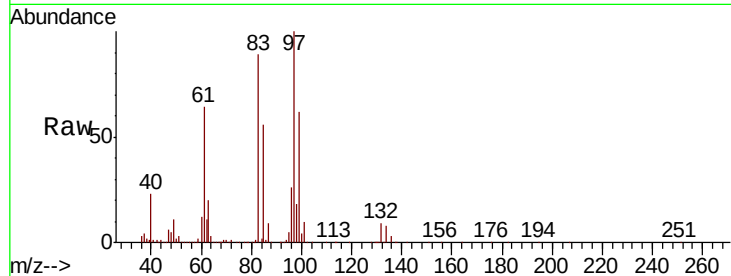
ClientSampleId :

VX0320WBSD02

Tot Ion:	97	Resp:	85518
Ion	Ratio	Lower	Upper
97	100		
83	88.7	69.1	103.7
85	55.9	44.3	66.5
99	62.2	49.8	74.8

Manual Integrations
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#56

Ethyl methacrylate

Concen: 20.894 ug/l

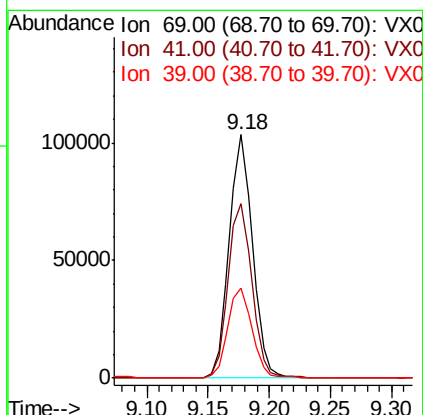
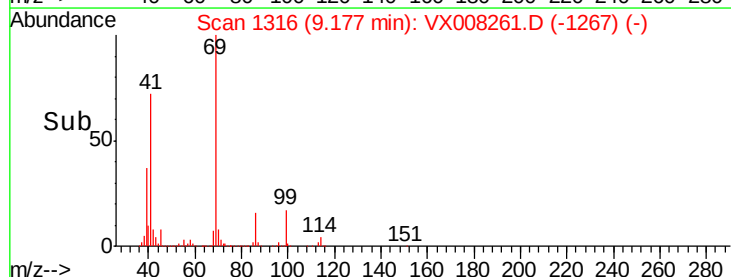
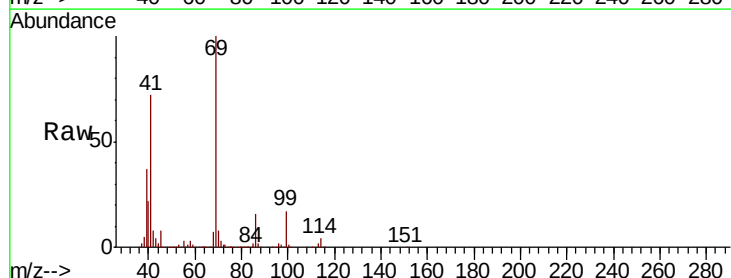
RT: 9.18 min Scan# 1316

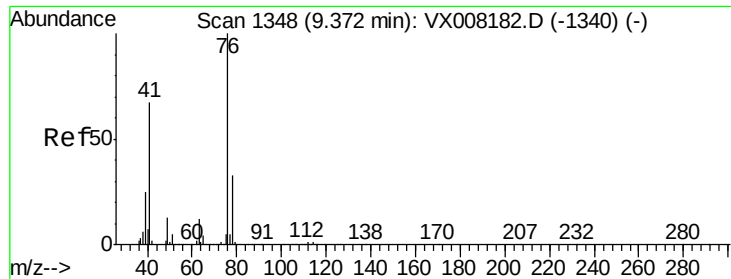
Delta R.T. 0.00 min

Lab File: VX008261.D

Acq: 20 Mar 2019 23:57

Tgt Ion:	69	Resp:	136440
Ion	Ratio	Lower	Upper
69	100		
41	73.4	54.2	81.4
39	38.4	25.0	37.4#





#57

1,3-Dichloropropane

Concen: 22.519 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX008261.D

Acq: 20 Mar 2019 23:57

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBSD02

Tot Ion: 76 Resp: 150537

Ion Ratio Lower Upper

76 100

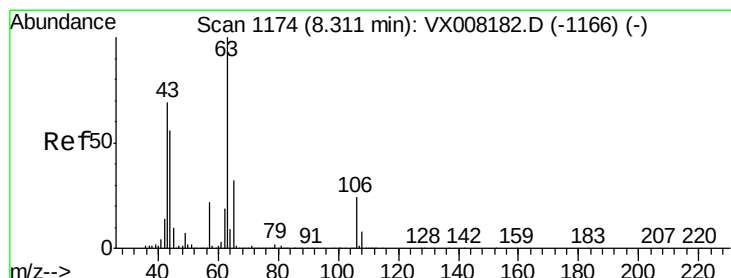
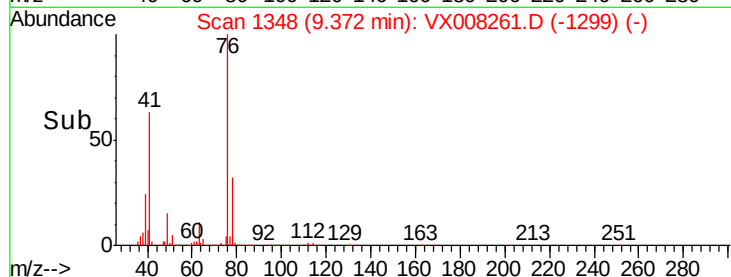
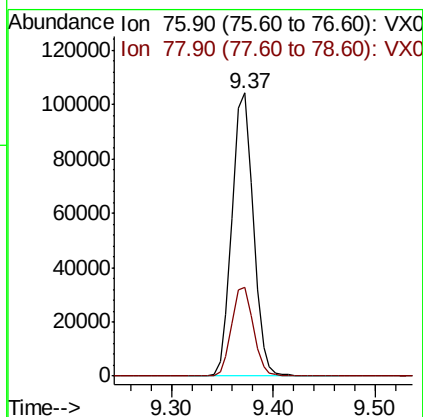
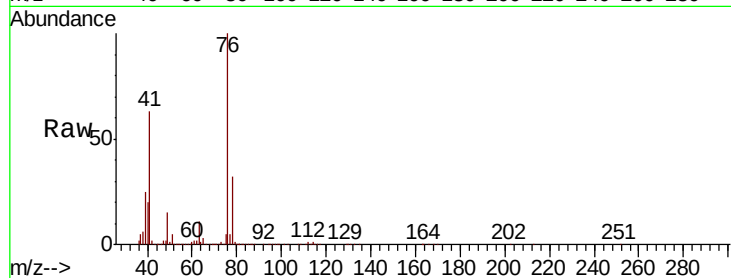
78 32.0 25.5 38.3

Manual Integrations

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3/22/2019 5:34:17 PM



#58

2-Chloroethyl Vinyl ether

Concen: 97.367 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX008261.D

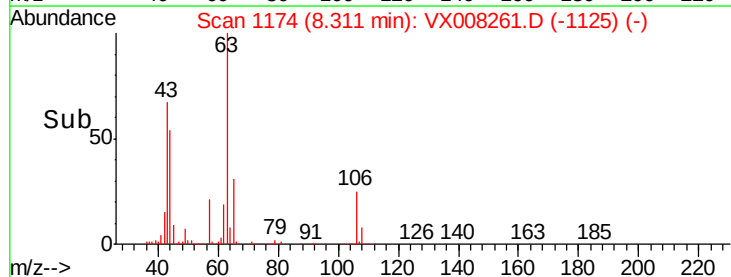
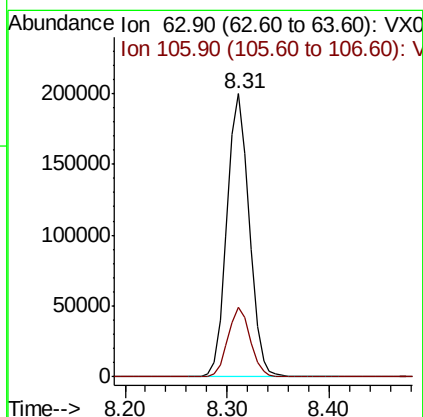
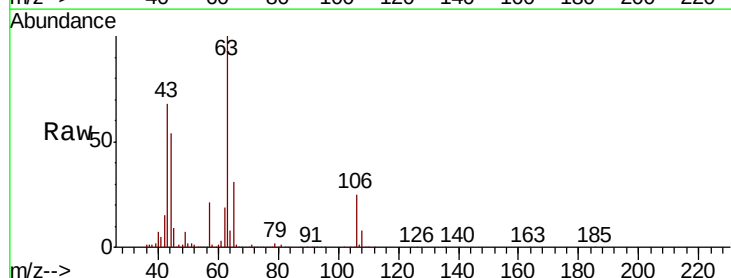
Acq: 20 Mar 2019 23:57

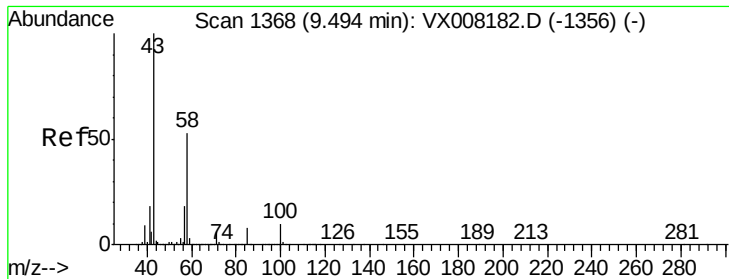
Tgt Ion: 63 Resp: 301460

Ion Ratio Lower Upper

63 100

106 24.6 22.2 33.2





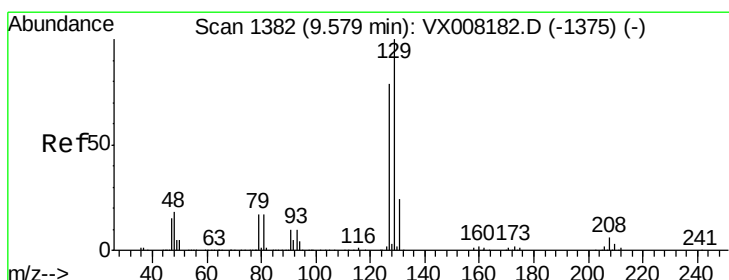
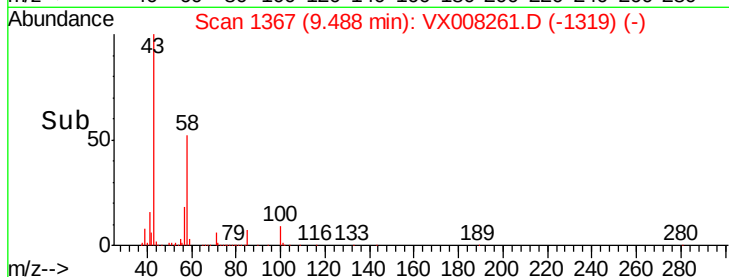
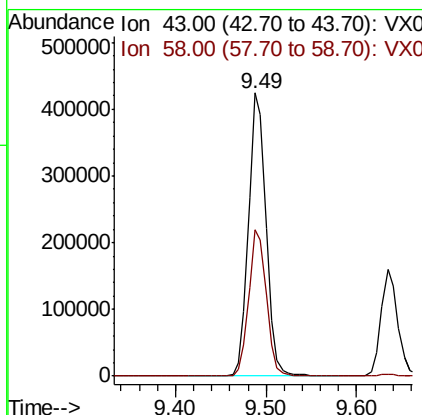
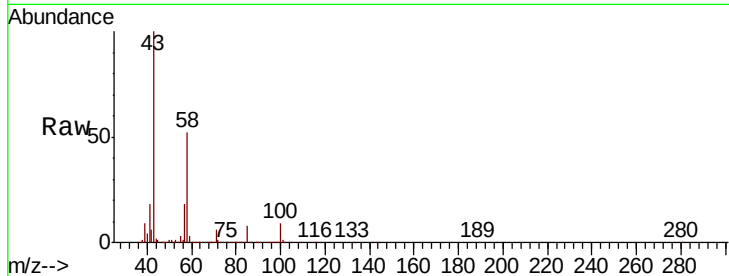
#59
2-Hexanone
Concen: 113.187 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VX008261.D
Acq: 20 Mar 2019 23:57

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD02

Tot Ion: 43 Resp: 568556
Ion Ratio Lower Upper
43 100
58 52.0 27.6 82.7

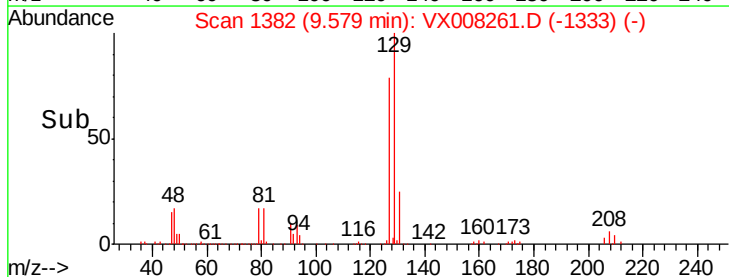
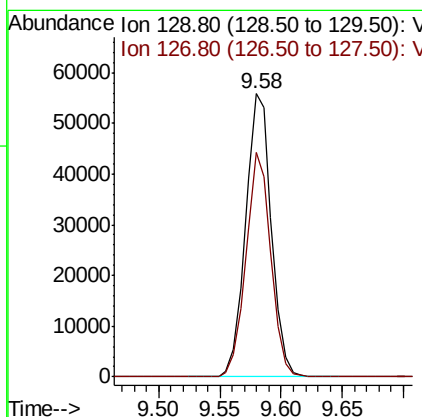
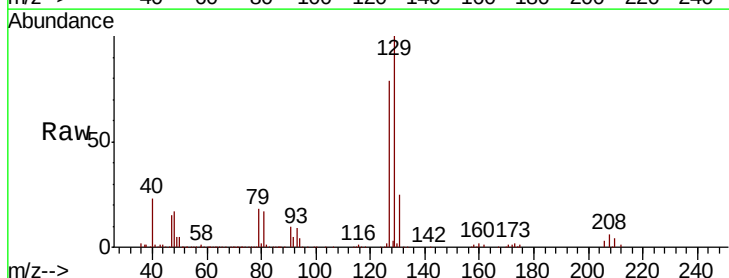
Manual Integrations
APPROVED

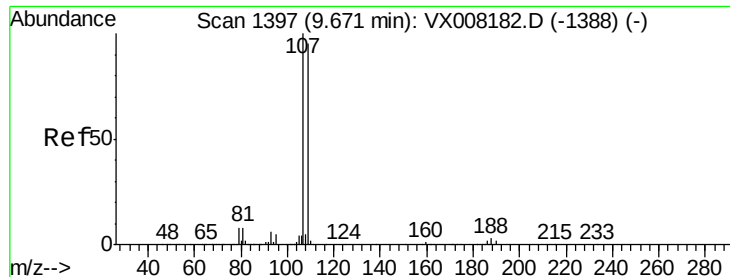
MMDadoda
3/22/2019 5:34:17 PM



#60
Dibromochloromethane
Concen: 22.377 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX008261.D
Acq: 20 Mar 2019 23:57

Tgt Ion: 129 Resp: 81265
Ion Ratio Lower Upper
129 100
127 76.7 38.3 114.8





#61

1,2-Dibromoethane

Concen: 21.932 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008261.D

Acq: 20 Mar 2019 23:57

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBSD02

Tot Ion: 107 Resp: 86538

Ion Ratio Lower Upper

107 100

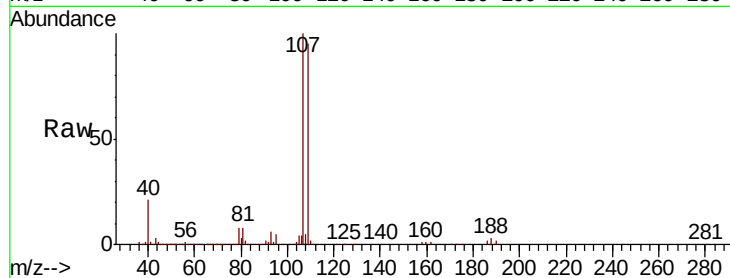
109 95.4 75.8 113.8

Manual Integrations

APPROVED

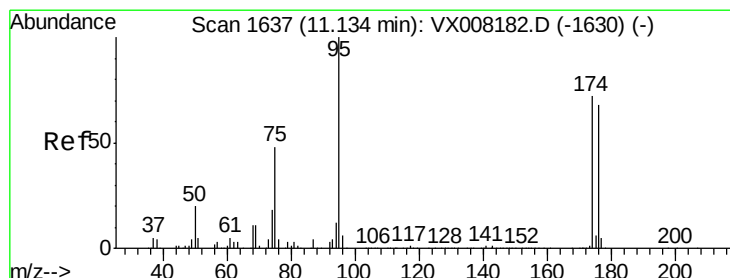
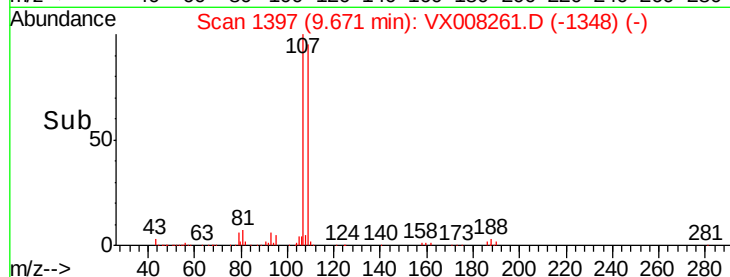
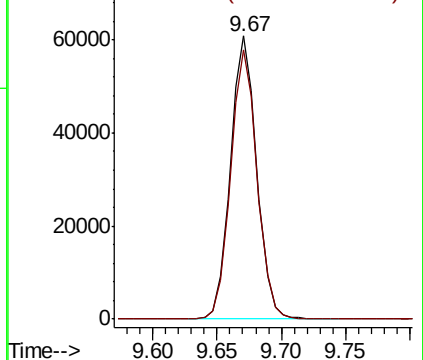
MMDadoda

3/22/2019 5:34:17 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.381 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008261.D

Acq: 20 Mar 2019 23:57

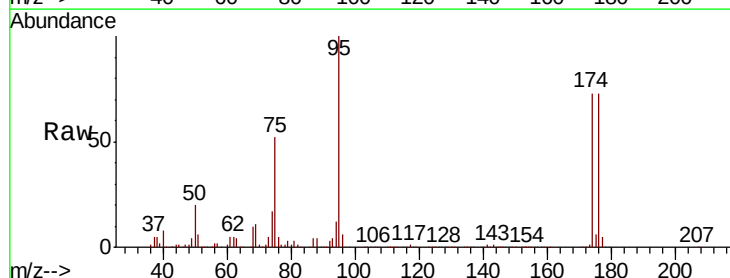
Tgt Ion: 95 Resp: 205423

Ion Ratio Lower Upper

95 100

174 77.0 0.0 182.8

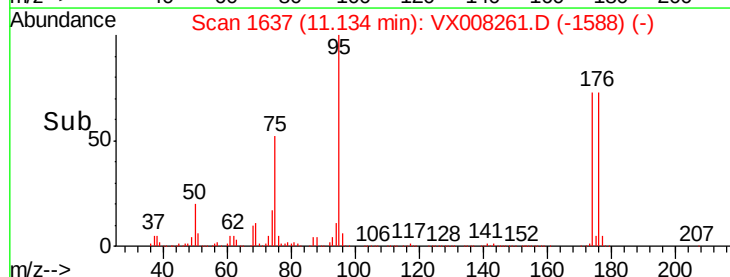
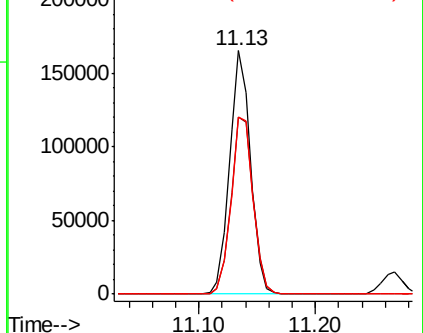
176 76.7 0.0 178.0

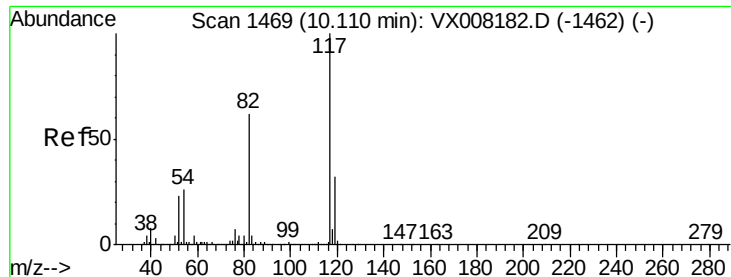


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





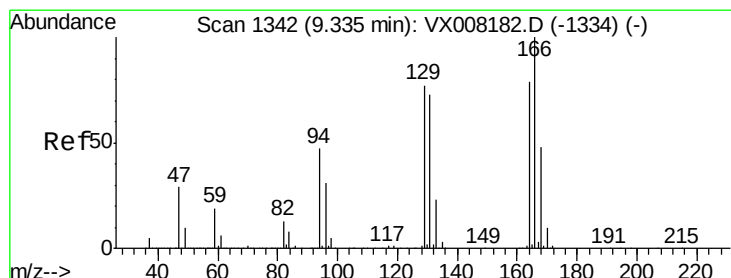
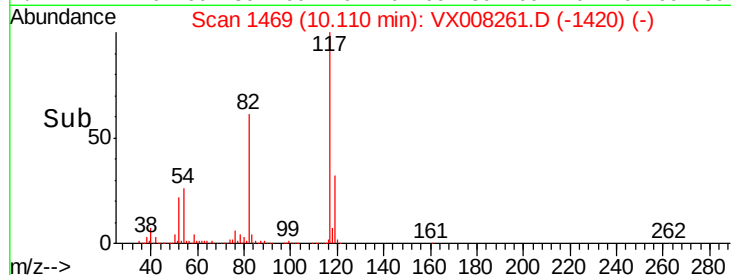
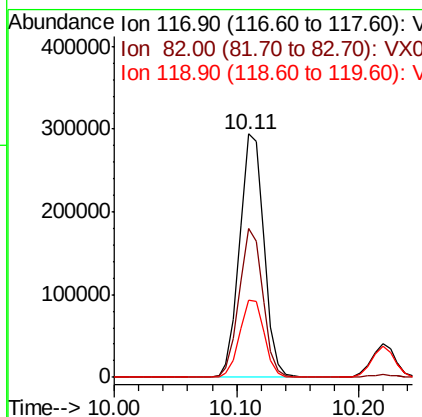
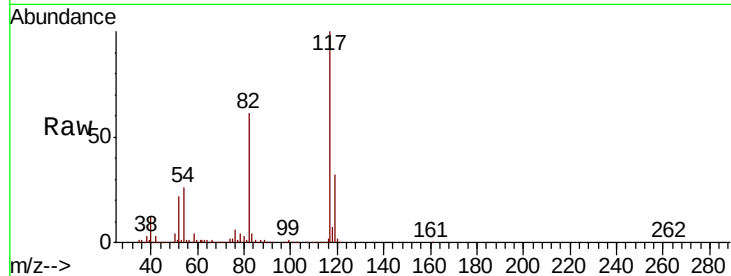
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008261.D
Acq: 20 Mar 2019 23:57

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	403231		
82	61.4	44.3	66.5	
119	31.8	25.3	37.9	

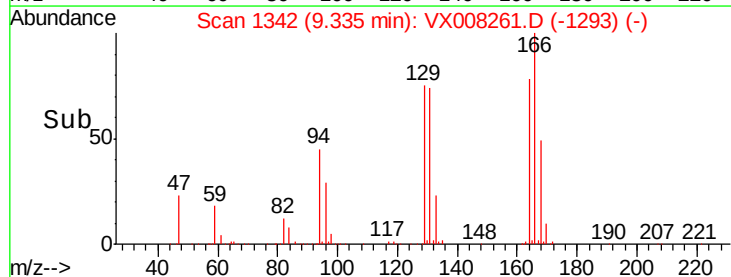
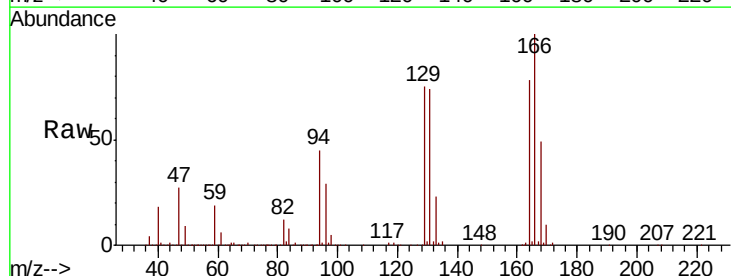
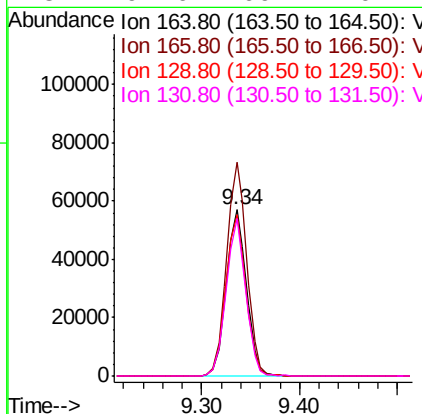
Manual Integrations
APPROVED

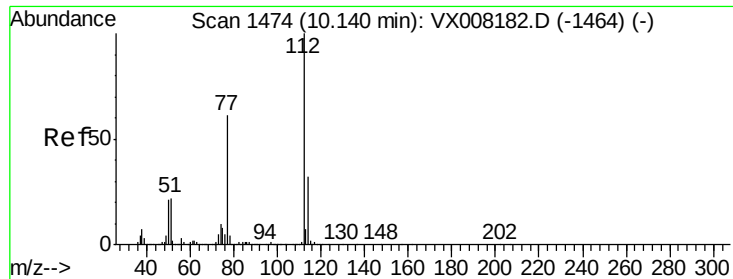
MMDadoda
3/22/2019 5:34:17 PM



#64
Tetrachloroethene
Concen: 22.397 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008261.D
Acq: 20 Mar 2019 23:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	81478		
166	128.4	103.4	155.0	
129	96.9	72.2	108.4	
131	94.6	69.4	104.2	





#65

Chlorobenzene

Concen: 21.547 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX008261.D

Acq: 20 Mar 2019 23:57

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBSD02

Tot Ion:112 Resp: 213784

Ion Ratio Lower Upper

112 100

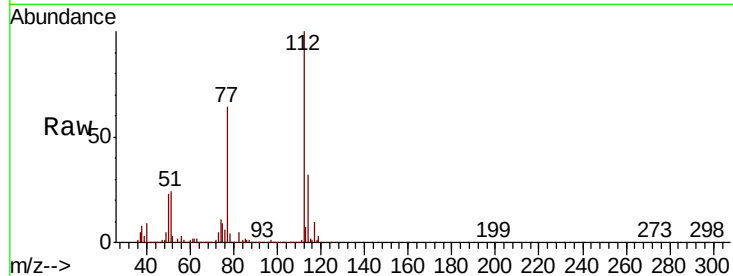
114 31.6 26.0 39.0

Manual Integrations

APPROVED

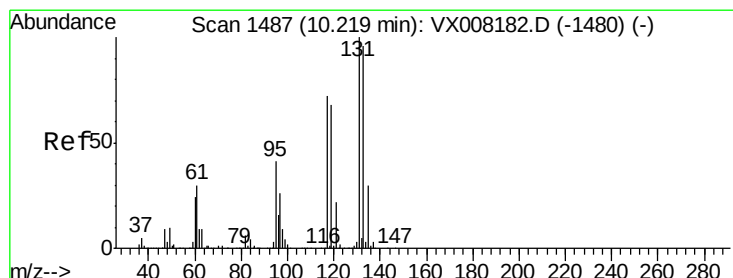
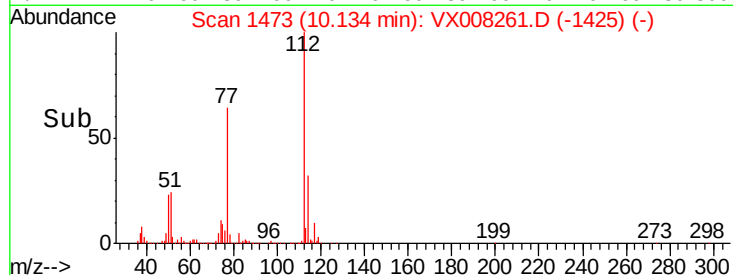
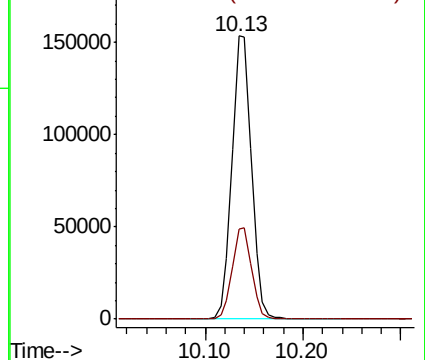
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.195 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX008261.D

Acq: 20 Mar 2019 23:57

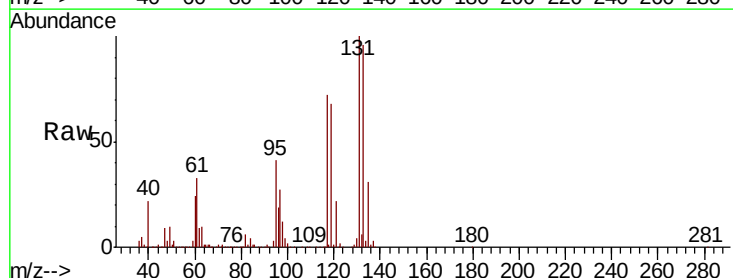
Tgt Ion:131 Resp: 76781

Ion Ratio Lower Upper

131 100

133 95.7 47.8 143.3

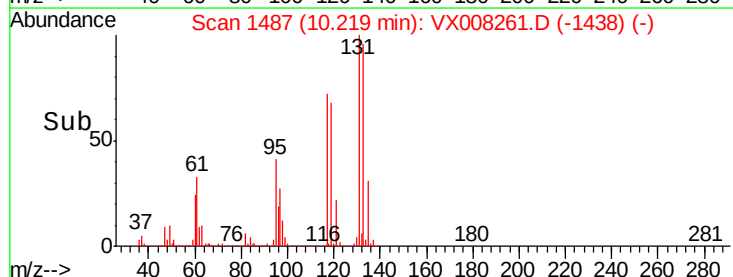
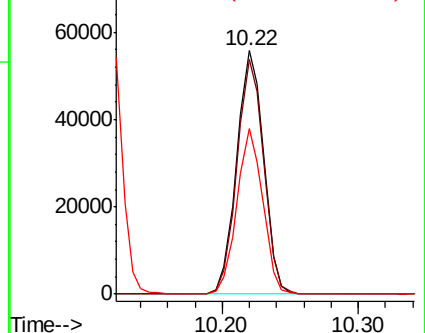
119 65.0 32.5 97.5

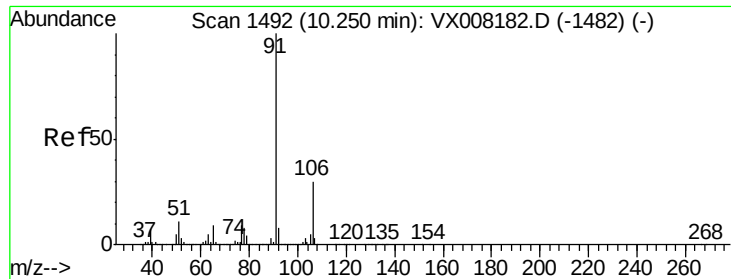


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 21.661 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008261.D

Acq: 20 Mar 2019 23:57

Instrument :

MSVOA_X

ClientSampleID :

VX0320WBSD02

Tot Ion: 91 Resp: 378725

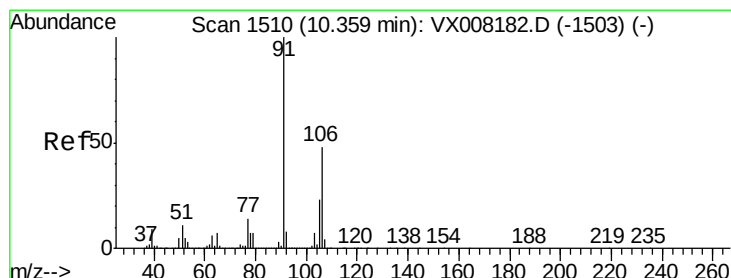
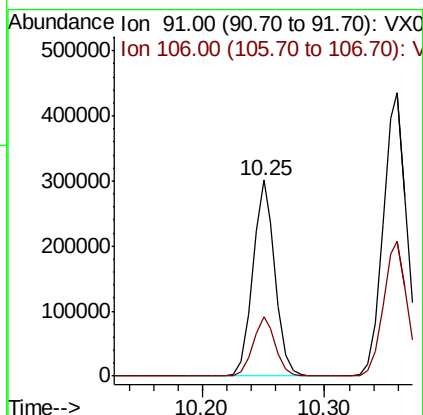
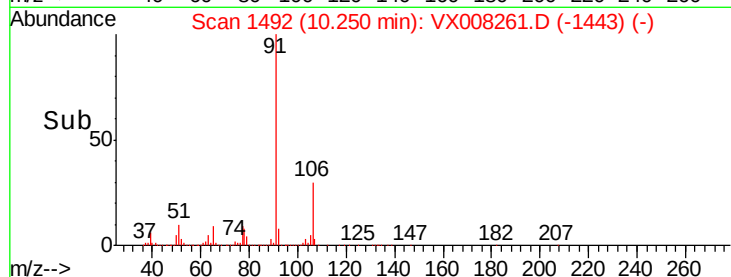
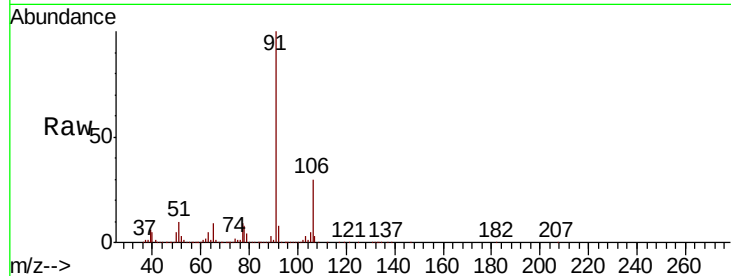
Ion Ratio Lower Upper

91 100

106 30.1 25.2 37.8

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 43.425 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008261.D

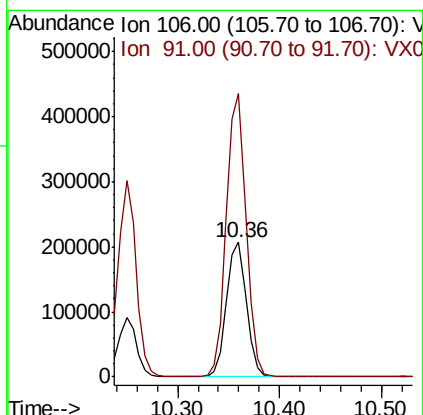
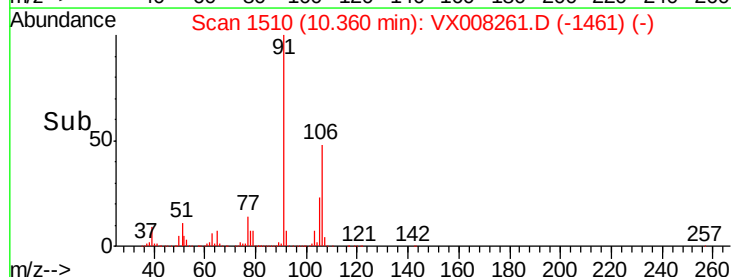
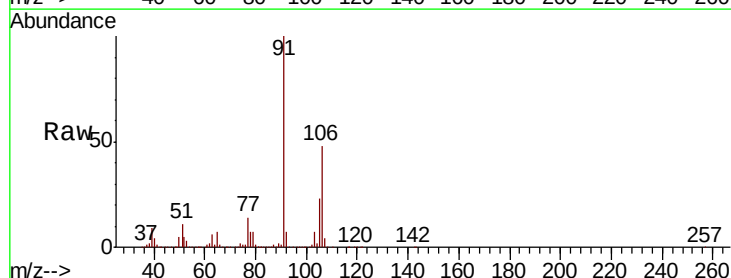
Acq: 20 Mar 2019 23:57

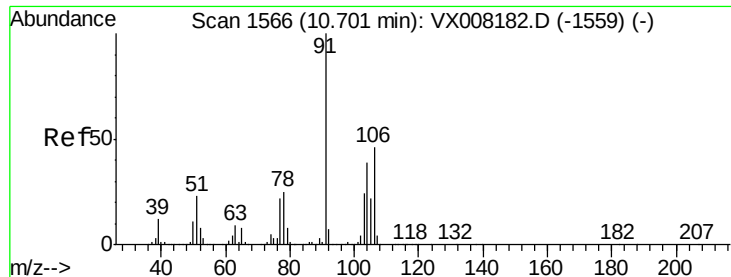
Tgt Ion: 106 Resp: 278907

Ion Ratio Lower Upper

106 100

91 209.4 159.8 239.6





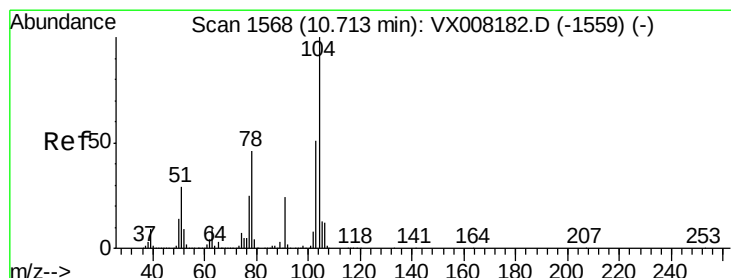
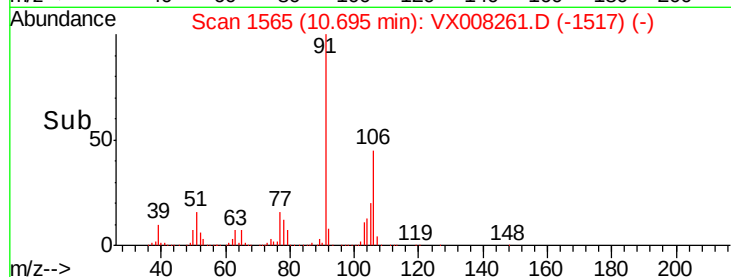
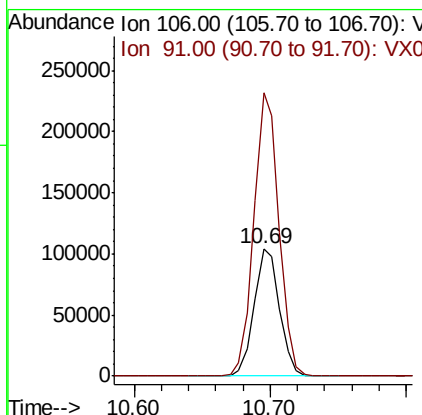
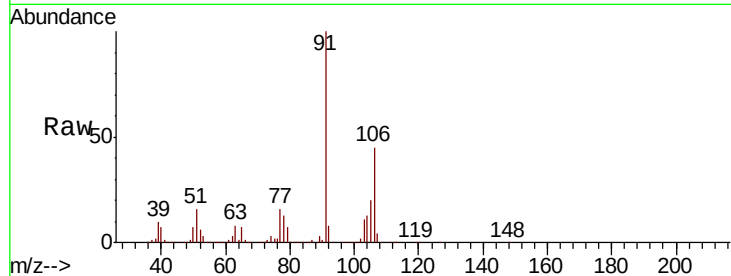
#69
o-Xylene
Concen: 21.924 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008261.D
Acq: 20 Mar 2019 23:57

Instrument :
MSVOA_X
ClientSampled :
VX0320WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	136829		
91	91	219.7	106.3	318.9	

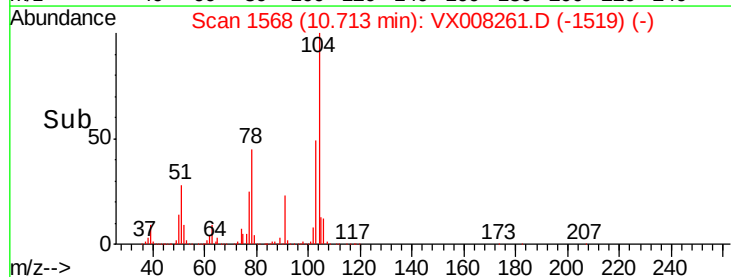
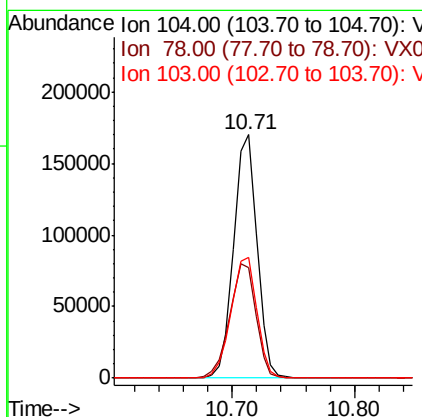
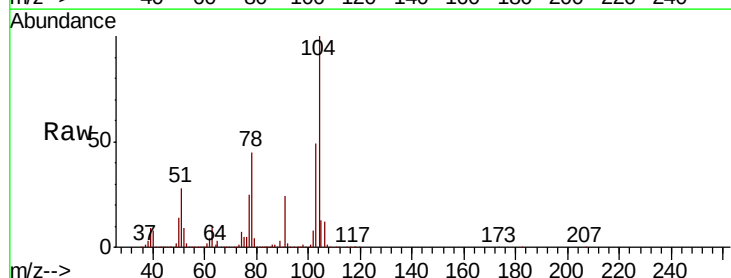
Manual Integrations
APPROVED

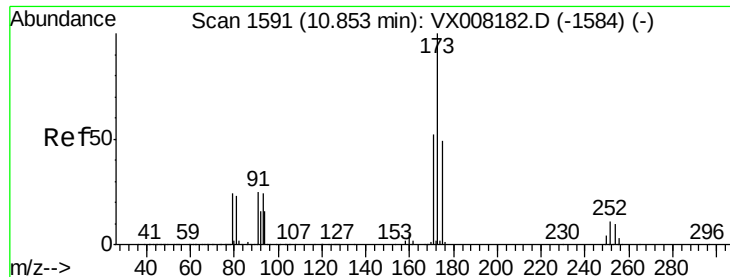
MMDadoda
3/22/2019 5:34:17 PM



#70
Styrene
Concen: 22.088 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008261.D
Acq: 20 Mar 2019 23:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	224030		
78	78	53.0	38.5	57.7	
103	103	55.0	44.1	66.1	





#71

Bromoform

Concen: 20.647 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX008261.D

Acq: 20 Mar 2019 23:57

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBSD02

Tot Ion:173 Resp: 57510

Ion Ratio Lower Upper

173 100

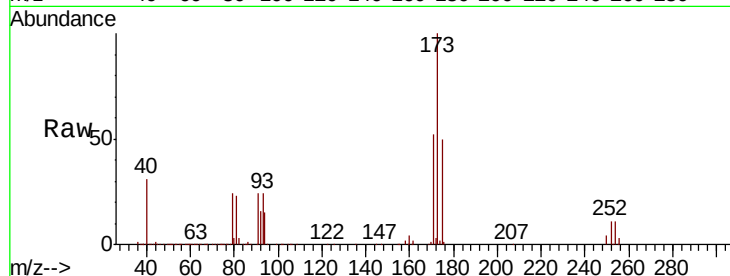
175 49.8 24.3 72.9

254 0.2 0.1 0.1#

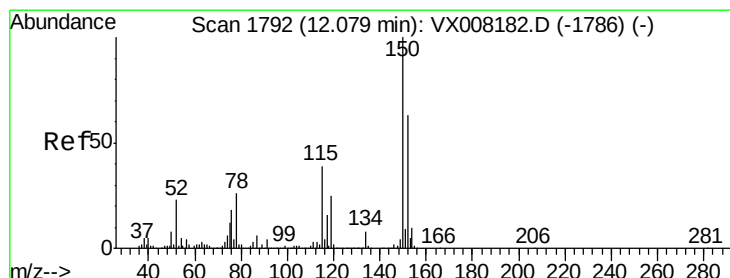
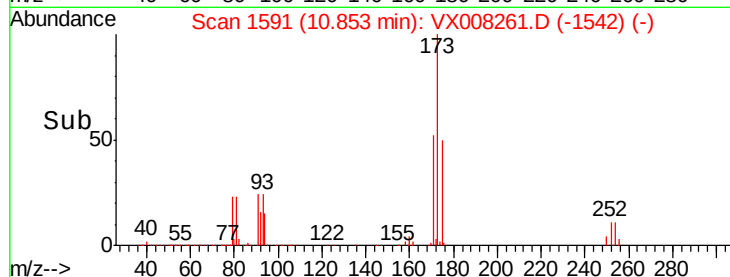
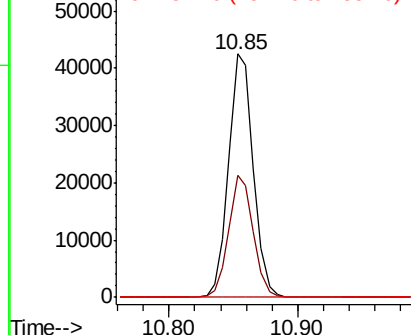
Manual Integrations
APPROVED

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3/22/2019 5:34:17 PM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008261.D

Acq: 20 Mar 2019 23:57

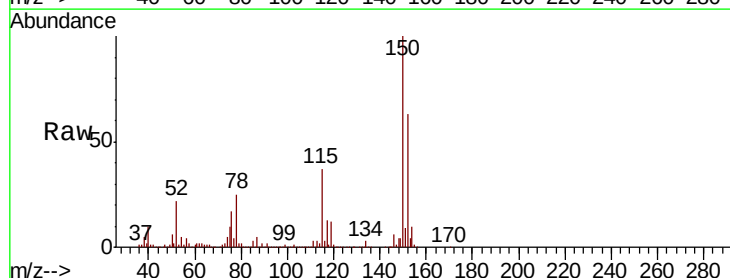
Tgt Ion:152 Resp: 183838

Ion Ratio Lower Upper

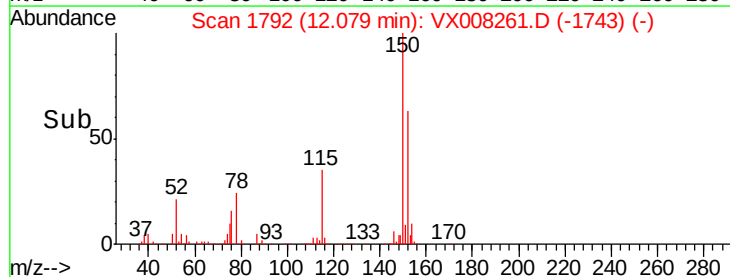
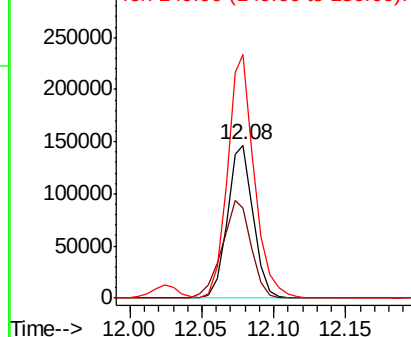
152 100

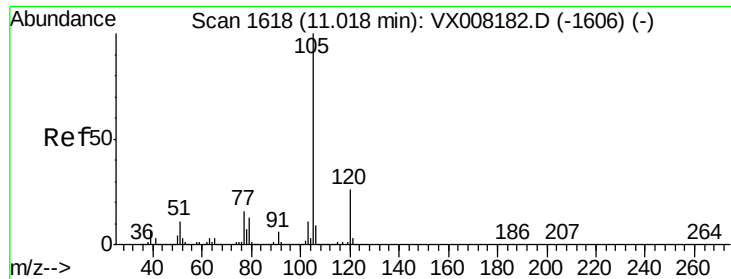
115 72.2 38.6 115.7

150 164.8 0.0 348.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.227 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008261.D

Acq: 20 Mar 2019 23:57

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBSD02

Tot Ion: 105 Resp: 364228

Ion Ratio Lower Upper

105 100

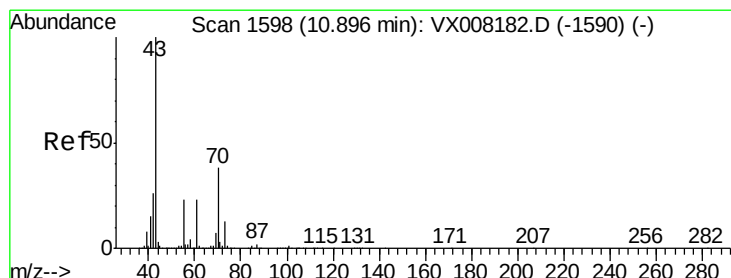
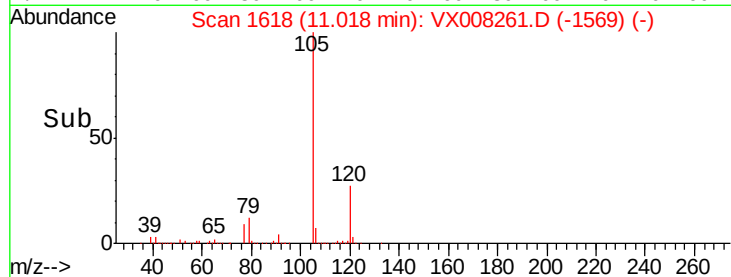
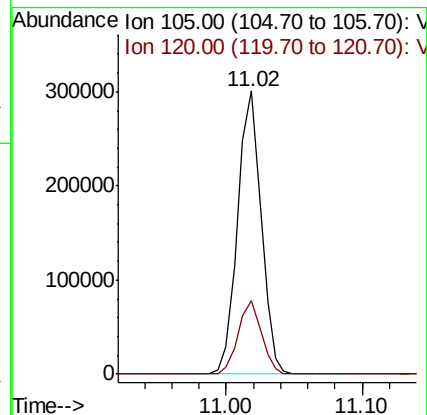
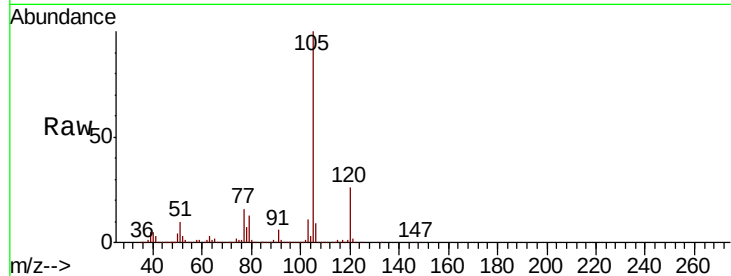
120 25.7 13.4 40.1

Manual Integrations

APPROVED

MMDadoda

3/22/2019 5:34:17 PM



#74

N-ethyl acetate

Concen: 22.130 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008261.D

Acq: 20 Mar 2019 23:57

Tgt Ion: 43 Resp: 189991

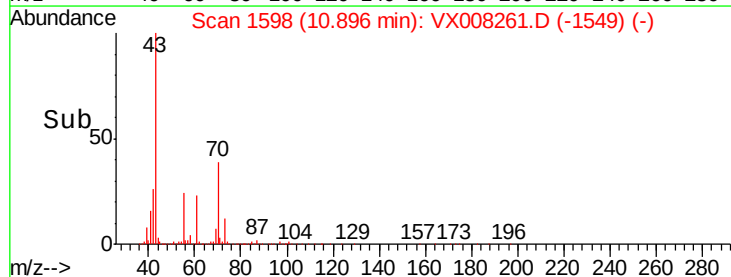
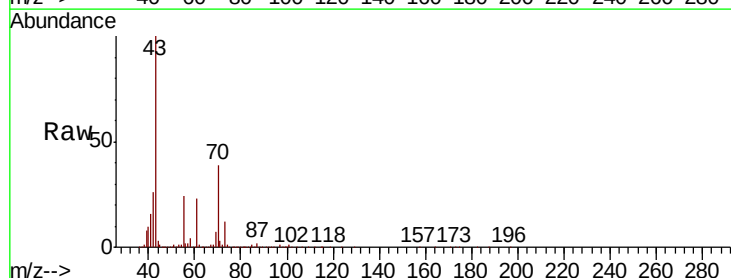
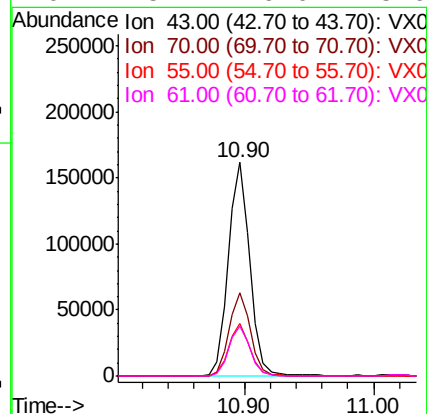
Ion Ratio Lower Upper

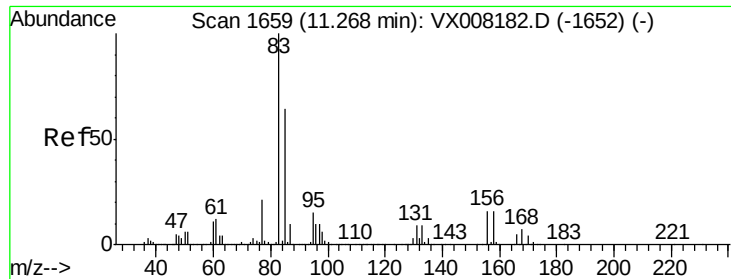
43 100

70 38.8 33.5 50.3

55 24.3 19.2 28.8

61 23.2 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.038 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008261.D

Acq: 20 Mar 2019 23:57

Instrument :

MSVOA_X

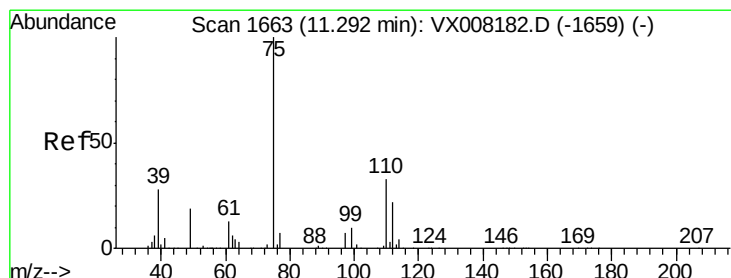
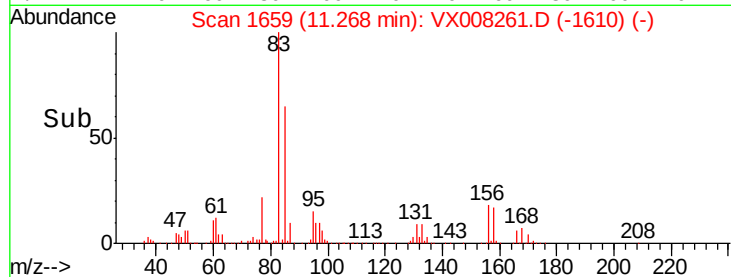
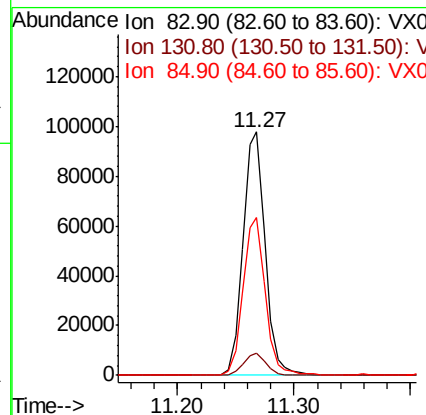
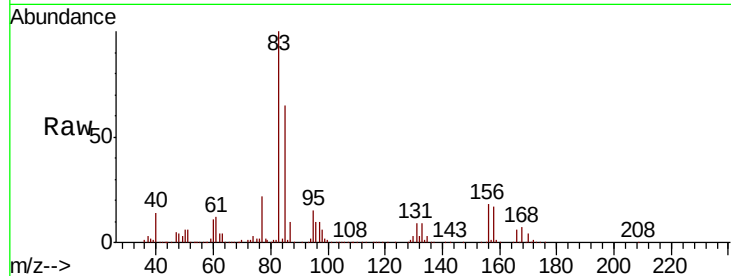
ClientSampleId :

VX0320WBSD02

Tot Ion:	83	Resp:	129491
Ion Ratio	Lower	Upper	
83	100		
131	9.3	5.4	16.2
85	64.9	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
3/22/2019 5:34:17 PM



#76

1,2,3-Trichloropropane

Concen: 22.499 ug/l m

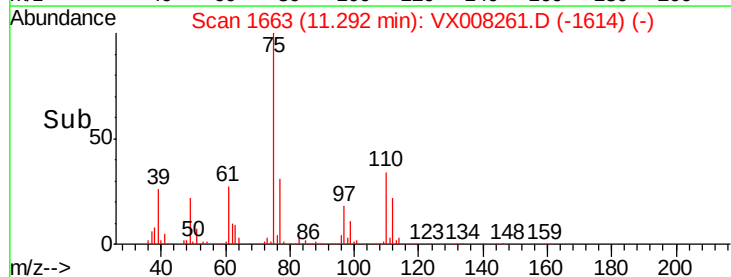
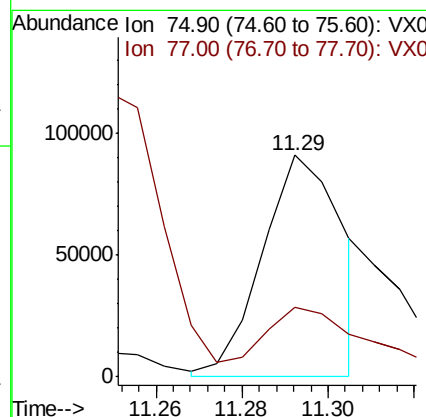
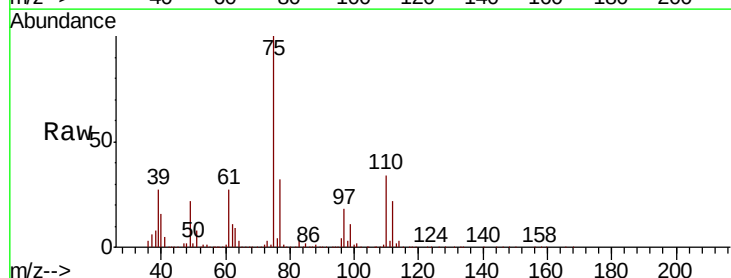
RT: 11.29 min Scan# 1663

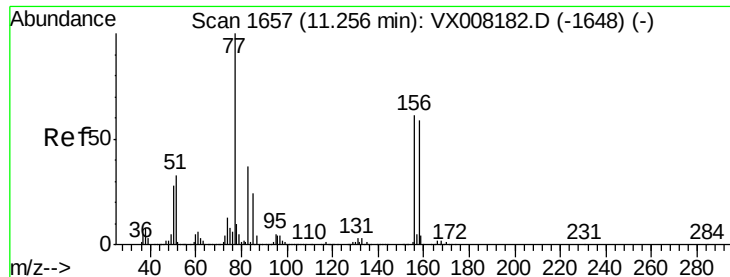
Delta R.T. 0.00 min

Lab File: VX008261.D

Acq: 20 Mar 2019 23:57

Tgt Ion:	75	Resp:	116333
Ion Ratio	Lower	Upper	
75	100		
77	42.0	18.9	56.7





#77

Bromobenzene

Concen: 22.264 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008261.D

Acq: 20 Mar 2019 23:57

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBSD02

Tot Ion:156 Resp: 88208

Ion Ratio Lower Upper

156 100

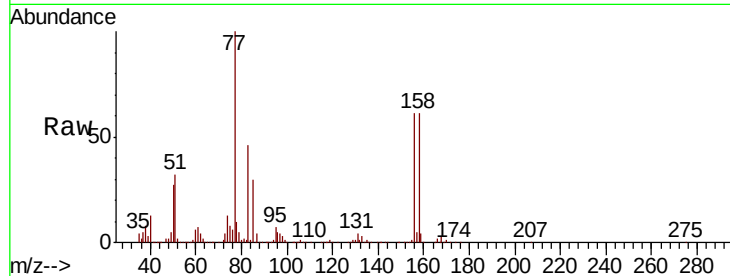
77 172.4 72.0 215.9

158 97.8 48.6 145.9

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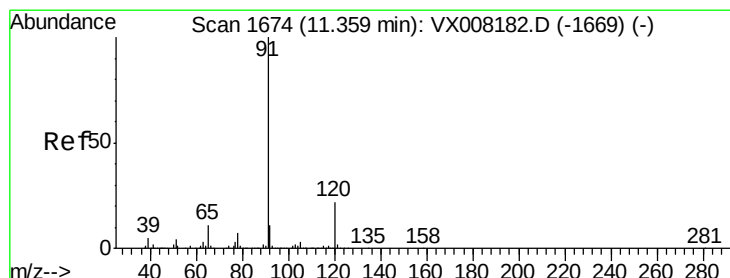
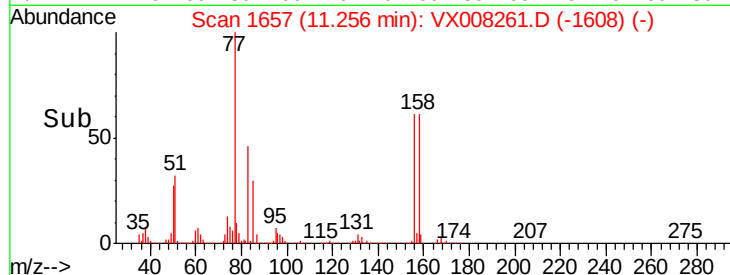
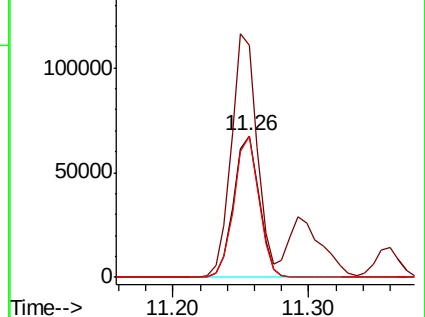
3/22/2019 5:34:17 PM



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: 22.012 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008261.D

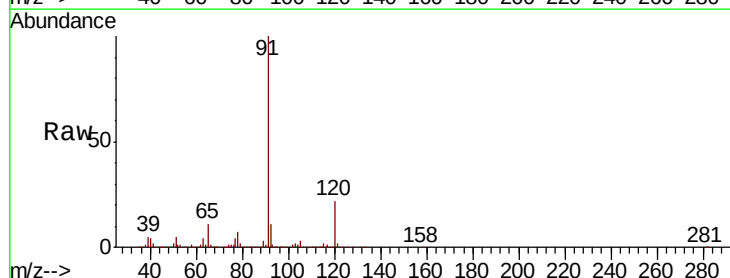
Acq: 20 Mar 2019 23:57

Tgt Ion: 91 Resp: 418935

Ion Ratio Lower Upper

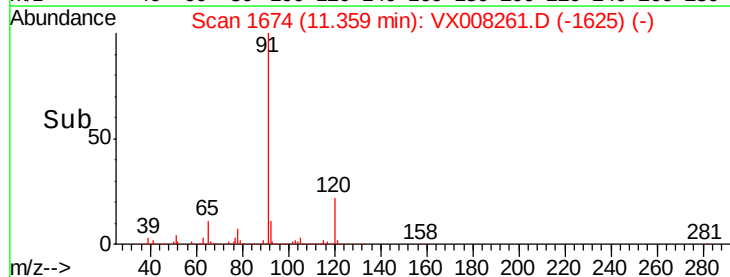
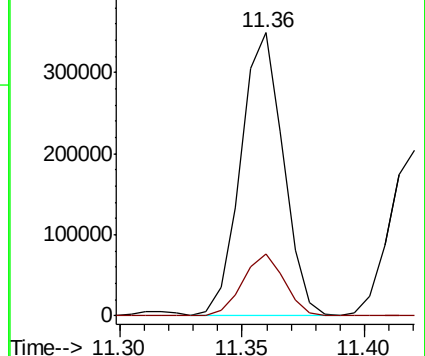
91 100

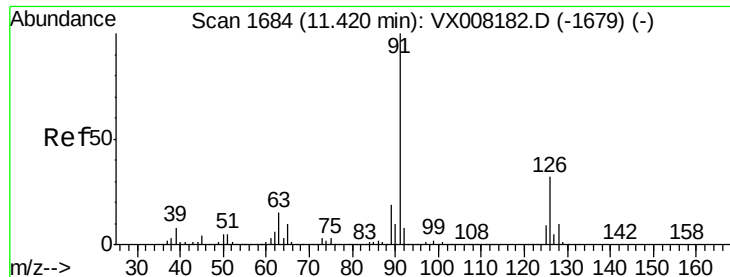
120 21.7 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.161 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008261.D

Acq: 20 Mar 2019 23:57

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBSD02

Tot Ion: 91 Resp: 253146

Ion Ratio Lower Upper

91 100

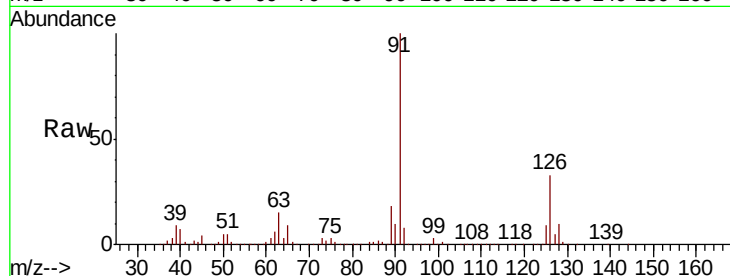
126 32.6 17.5 52.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX008182.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX008182.D (-1679) (-)

400000

300000

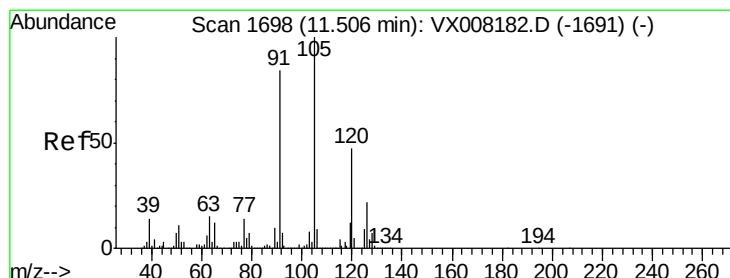
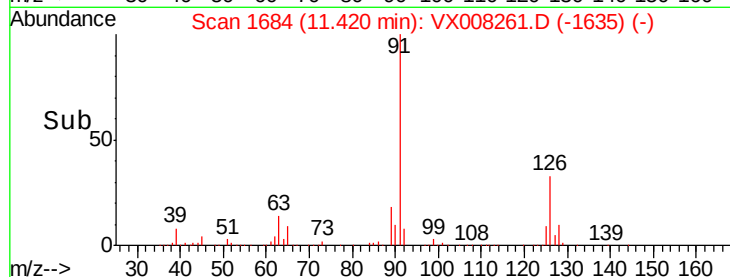
200000

100000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 22.230 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008261.D

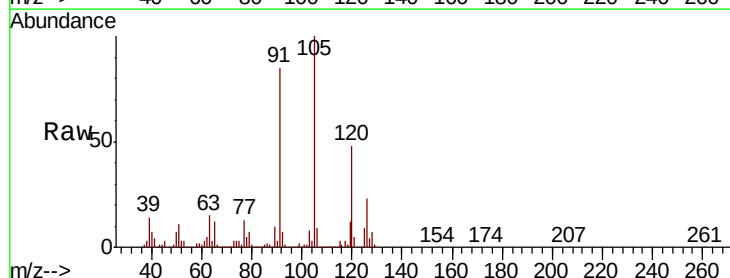
Acq: 20 Mar 2019 23:57

Tgt Ion: 105 Resp: 300948

Ion Ratio Lower Upper

105 100

120 47.6 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VX008182.D (-1691) (-)

Ion 120.00 (119.70 to 120.70): VX008182.D (-1691) (-)

300000

250000

200000

150000

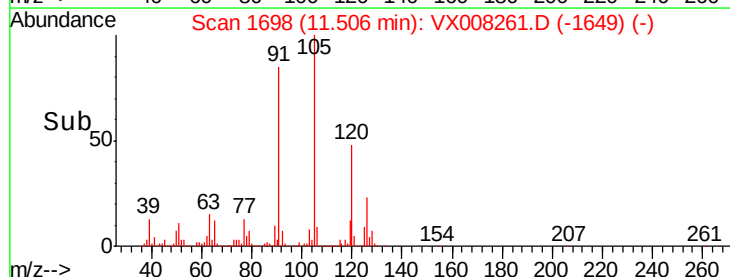
100000

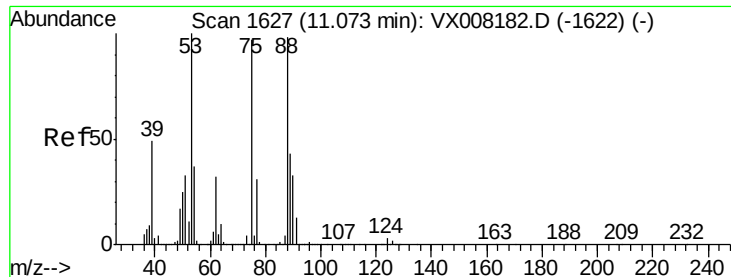
50000

0

11.50 11.60

Time-->





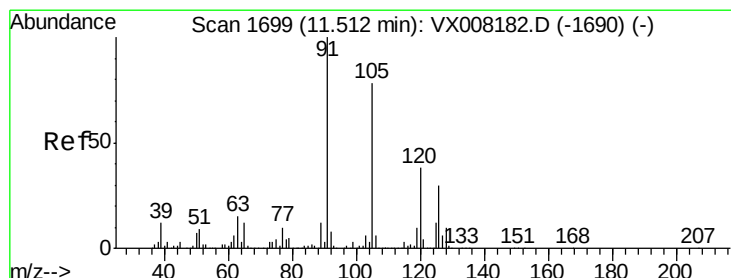
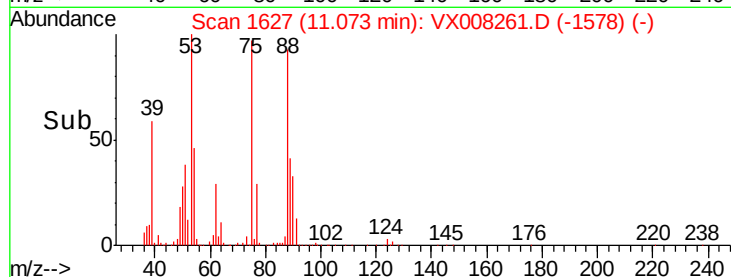
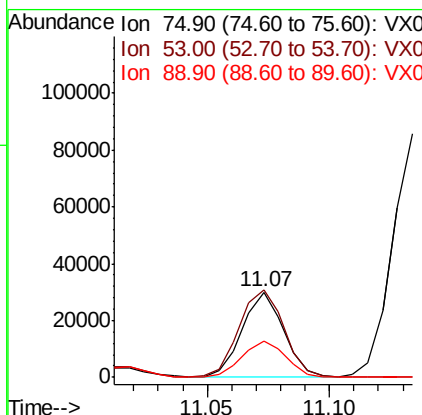
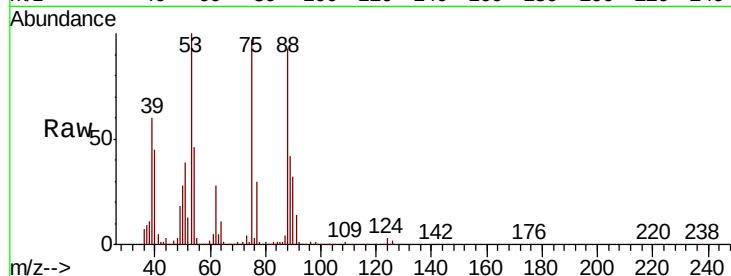
#81
trans-1,4-Dichloro-2-butene
Concen: 18.541 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX008261.D
Acq: 20 Mar 2019 23:57

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.8	76.1	114.1
89	44.1	36.3	54.5

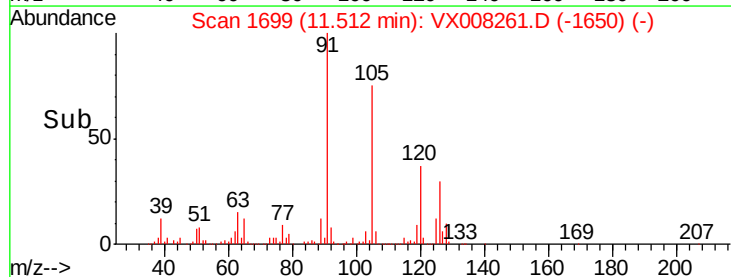
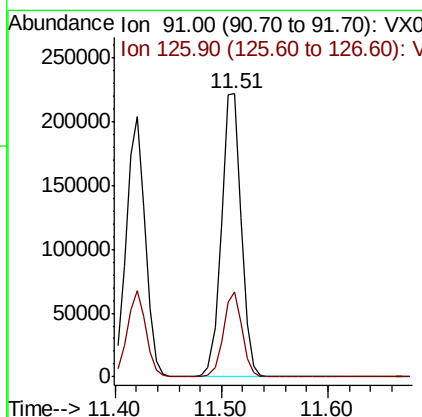
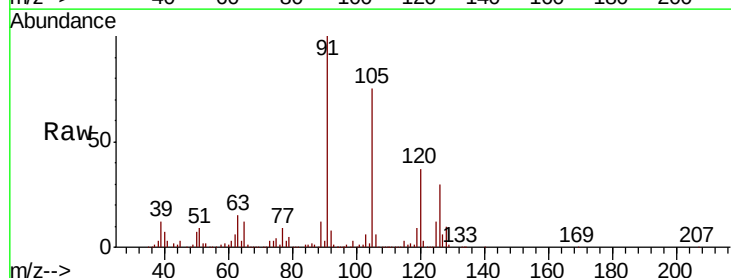
Manual Integrations
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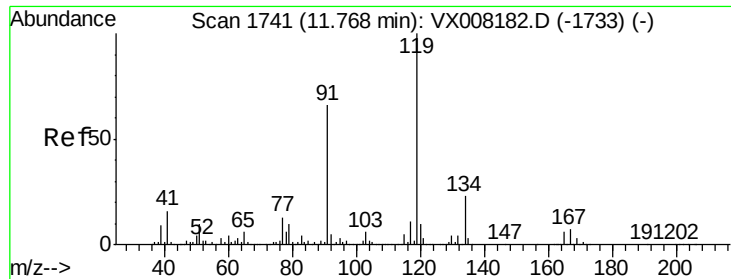
MMDadoda
3/22/2019 5:34:17 PM



#82
4-Chlorotoluene
Concen: 21.682 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX008261.D
Acq: 20 Mar 2019 23:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.2	15.6	46.8





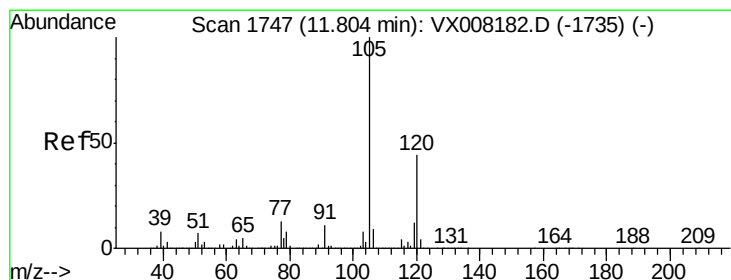
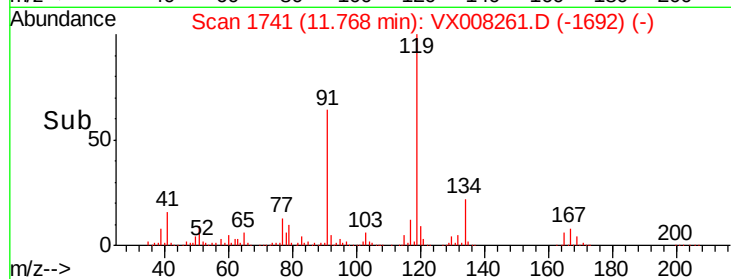
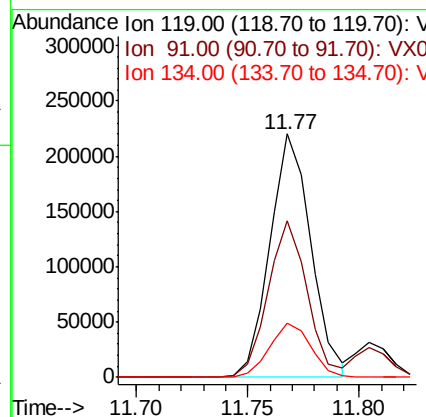
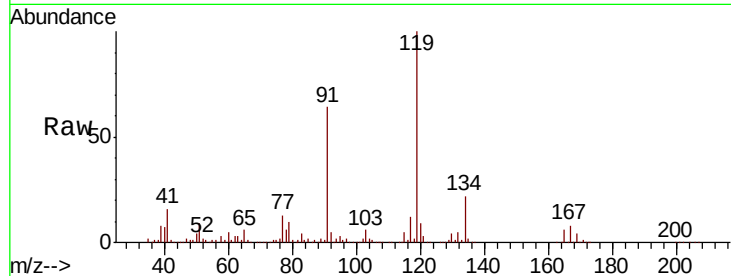
#83
 tert-Butylbenzene
 Concen: 21.805 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX008261.D
 Acq: 20 Mar 2019 23:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	281826		
91	61.6		27.1	81.3
134	22.5		11.4	34.1

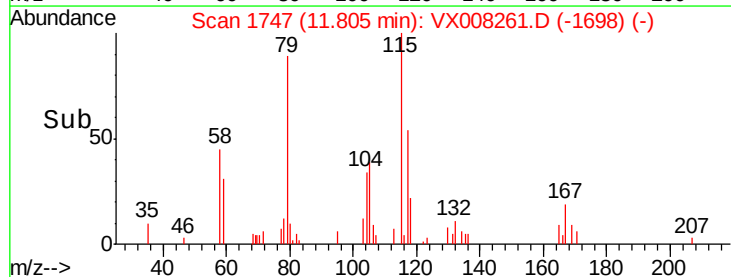
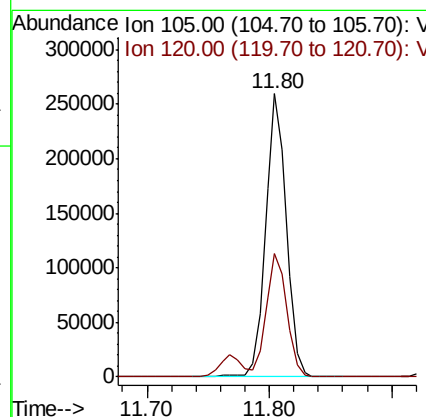
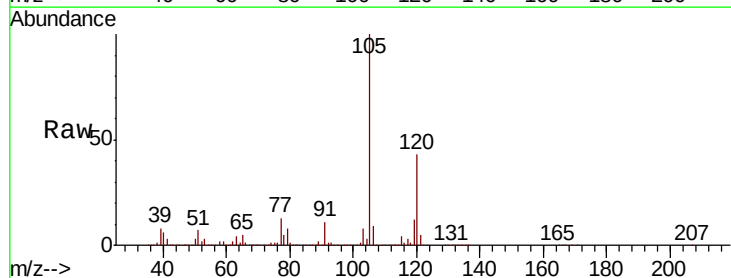
Manual Integrations
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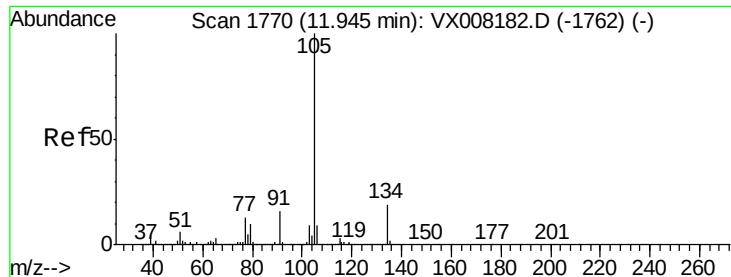
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.300 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX008261.D
 Acq: 20 Mar 2019 23:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	306051		
120	43.1		22.6	67.7





#85

sec-Butylbenzene

Concen: 21.928 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008261.D

Acq: 20 Mar 2019 23:57

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBSD02

Tot Ion:105 Resp: 350973

Ion Ratio Lower Upper

105 100

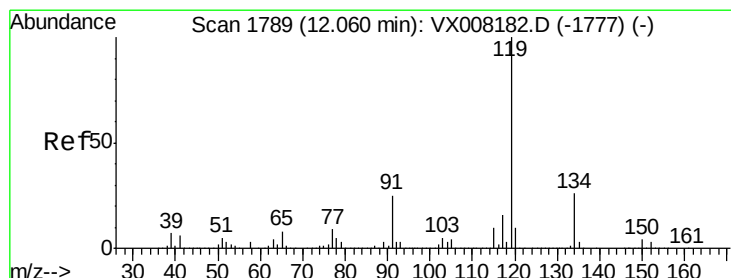
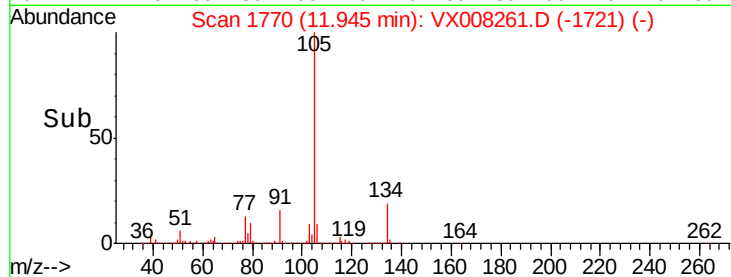
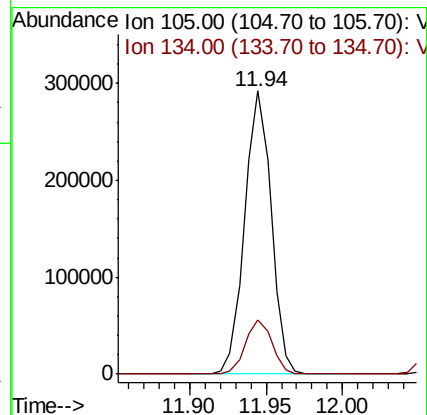
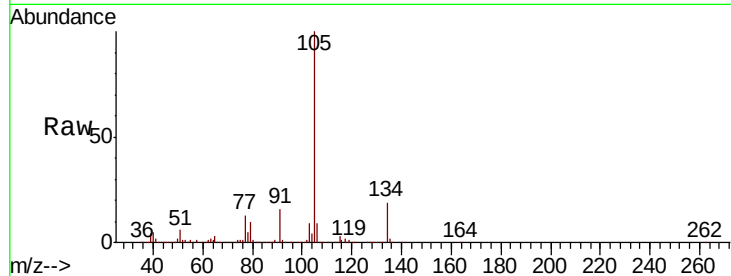
134 19.3 10.4 31.2

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 21.867 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008261.D

Acq: 20 Mar 2019 23:57

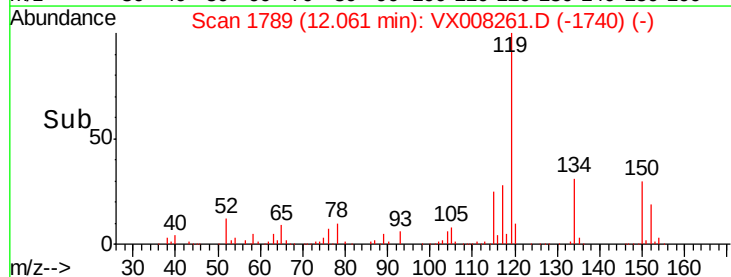
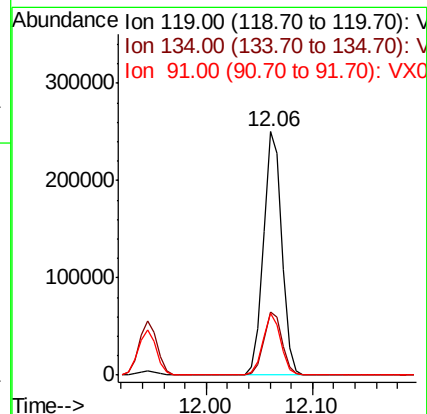
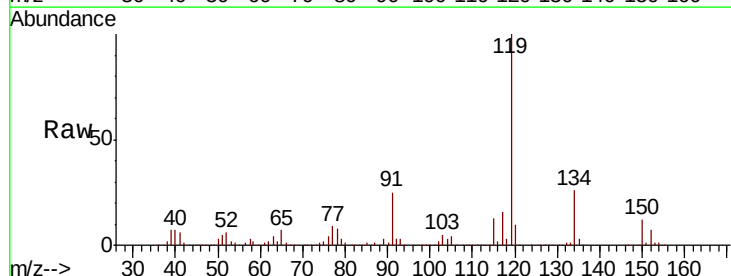
Tgt Ion:119 Resp: 302959

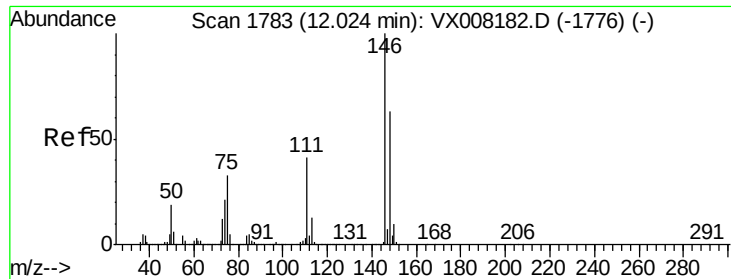
Ion Ratio Lower Upper

119 100

134 26.0 13.3 39.9

91 24.5 10.9 32.7





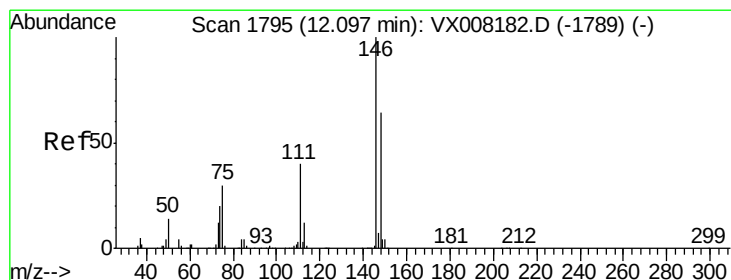
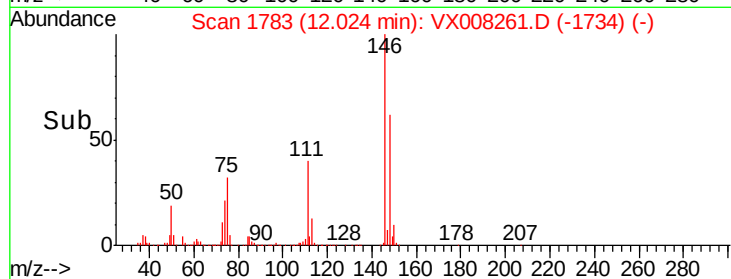
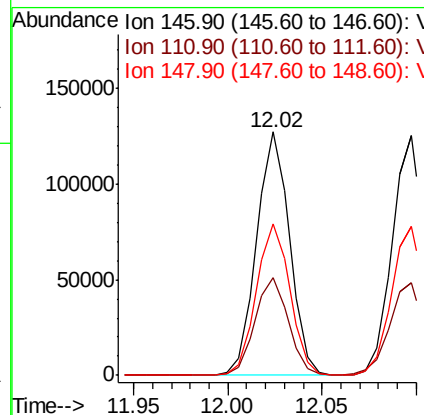
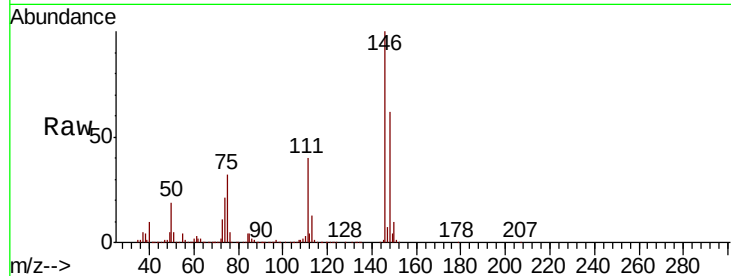
#87
 1,3-Dichlorobenzene
 Concen: 21.865 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008261.D
 Acq: 20 Mar 2019 23:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	18.9	56.7
148	63.4	31.7	95.1

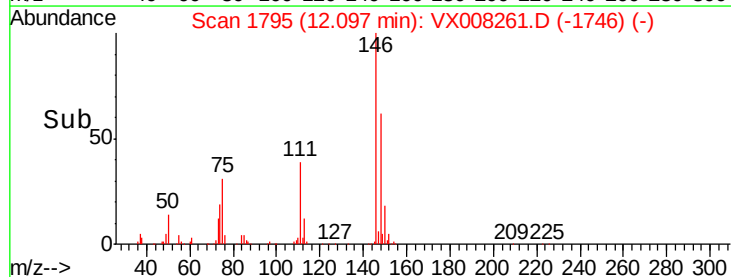
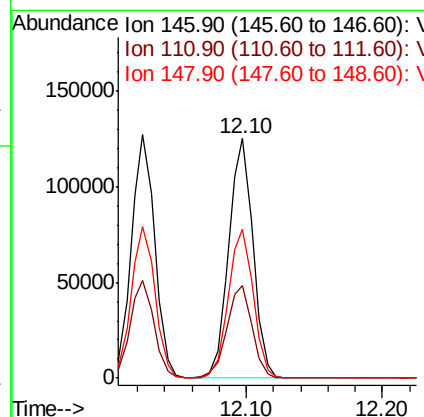
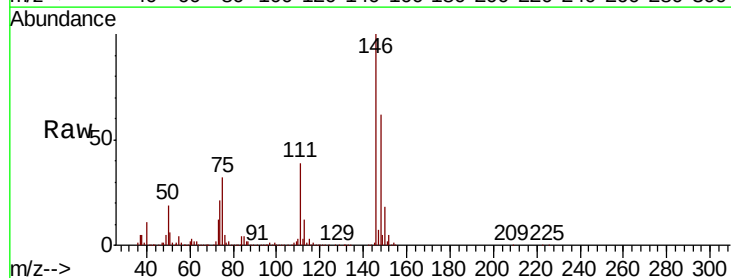
Manual Integrations
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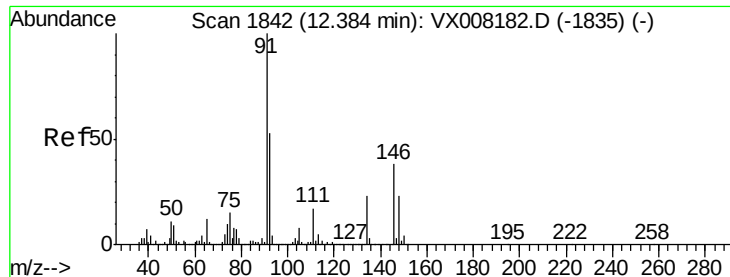
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#88
 1,4-Dichlorobenzene
 Concen: 20.999 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008261.D
 Acq: 20 Mar 2019 23:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	18.4	55.0
148	64.0	32.2	96.6





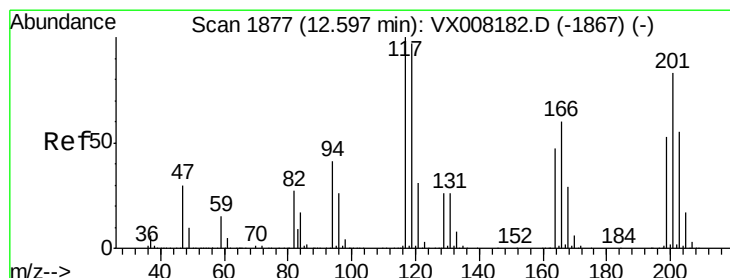
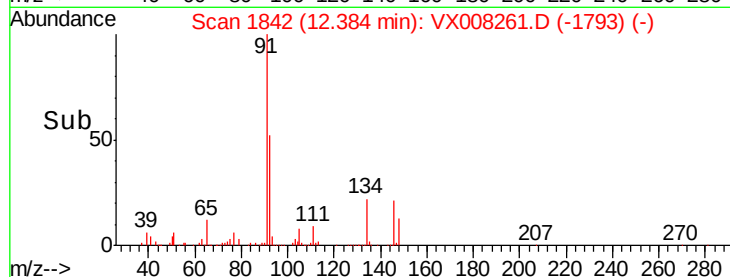
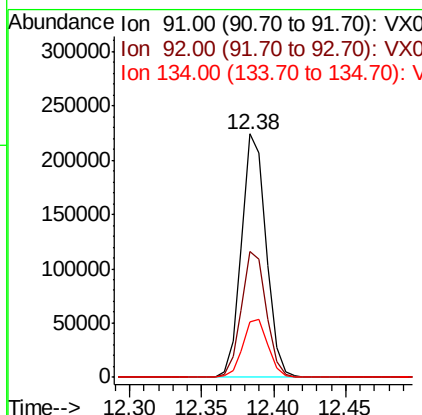
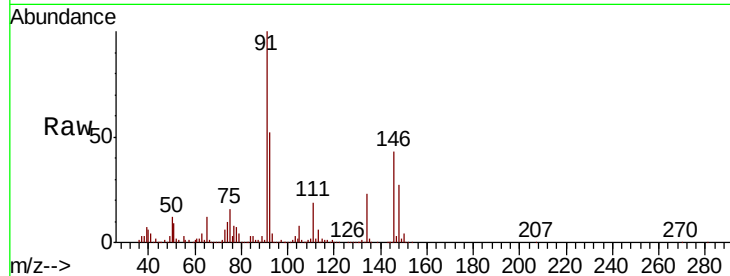
#89
n-Butylbenzene
Concen: 20.475 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX008261.D
Acq: 20 Mar 2019 23:57

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	27.0	80.8
134	24.4	13.7	41.0

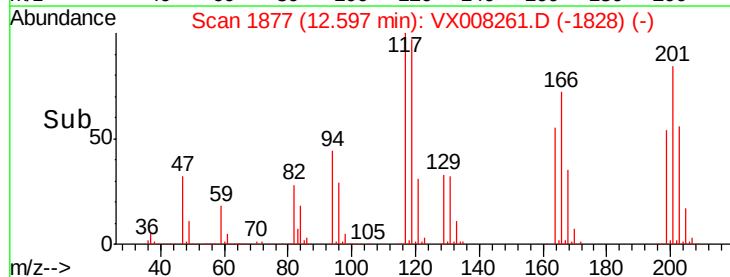
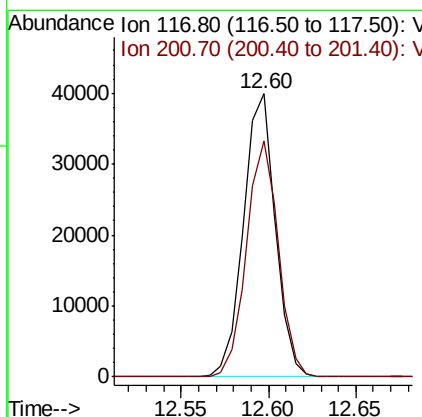
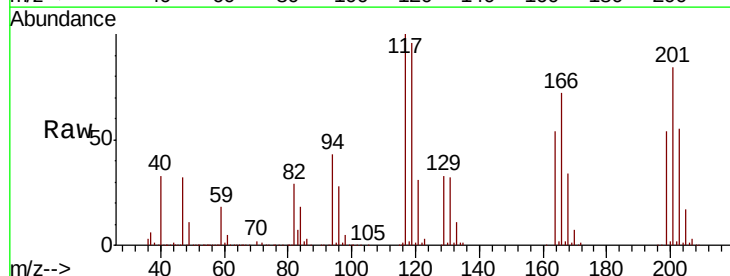
Manual Integrations
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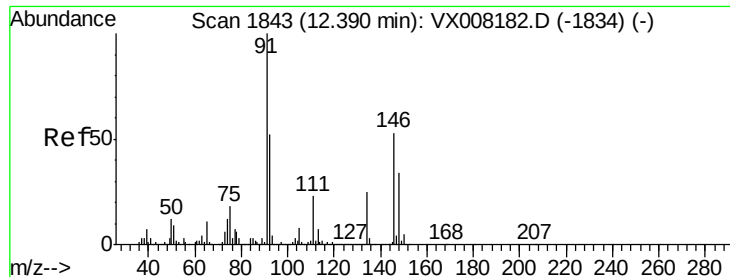
MMDadoda
3/22/2019 5:34:17 PM



#90
Hexachloroethane
Concen: 21.463 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX008261.D
Acq: 20 Mar 2019 23:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.9	48.9	146.7





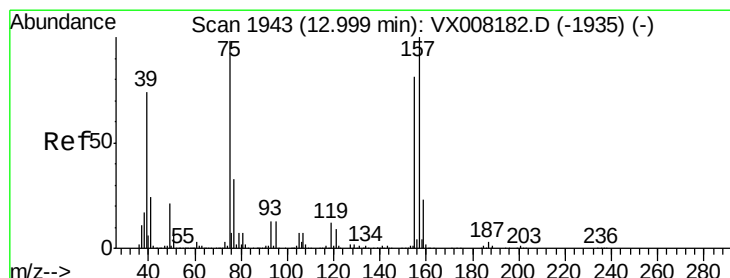
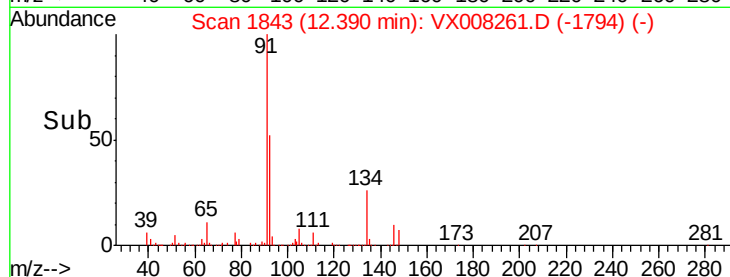
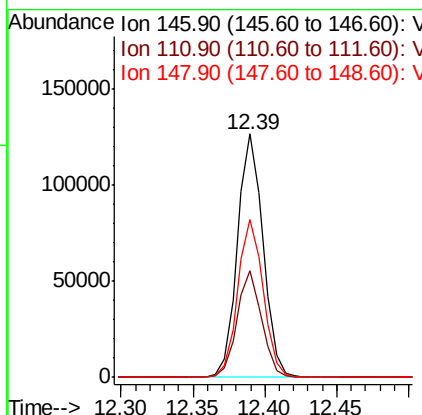
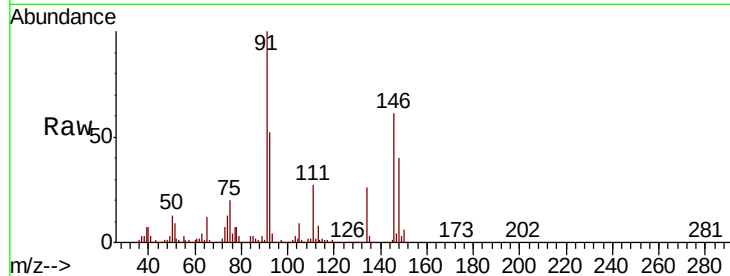
#91
 1,2-Dichlorobenzene
 Concen: 21.899 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008261.D
 Acq: 20 Mar 2019 23:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	156343		
111	42.3	19.6	58.8	
148	64.4	31.9	95.5	

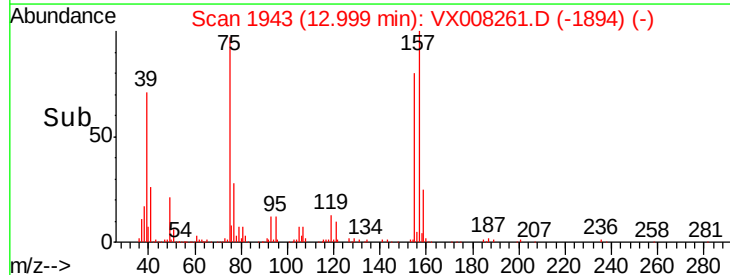
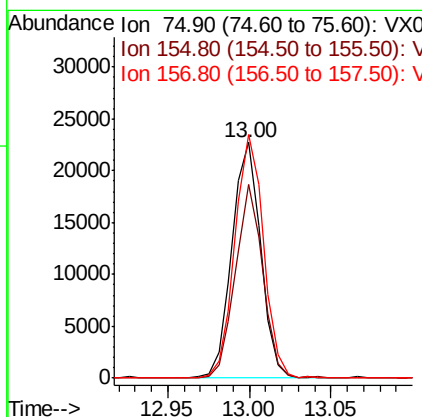
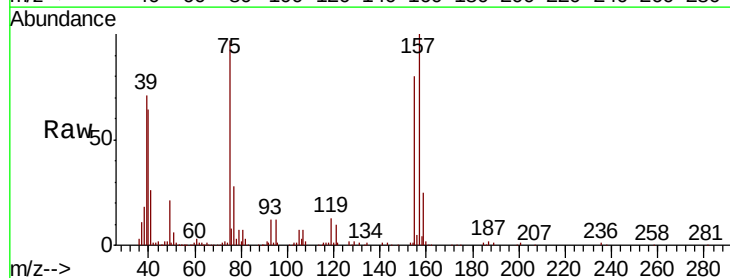
Manual Integrations
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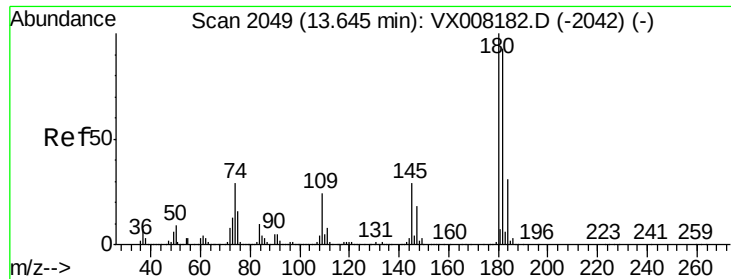
MMDadoda
 3/22/2019 5:34:17 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.423 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX008261.D
 Acq: 20 Mar 2019 23:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	27959		
155	78.1	49.7	149.1	
157	102.9	63.8	191.4	





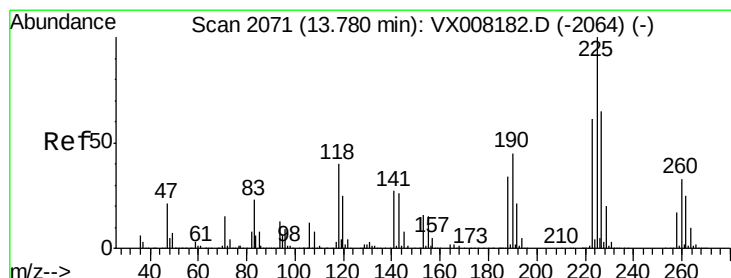
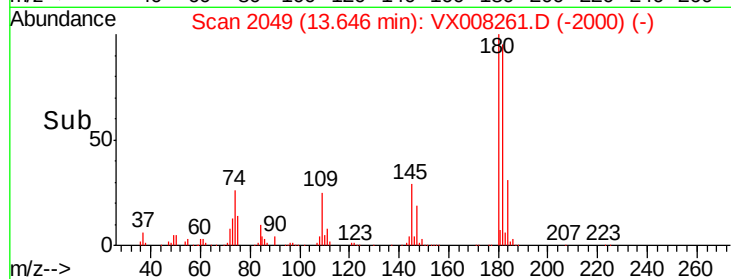
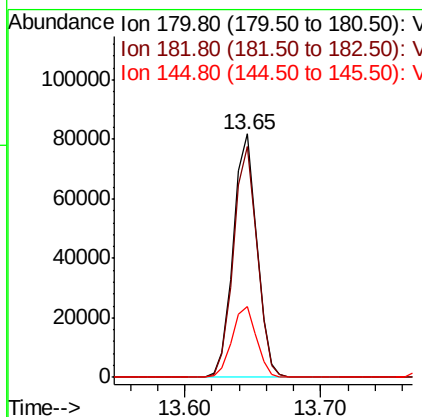
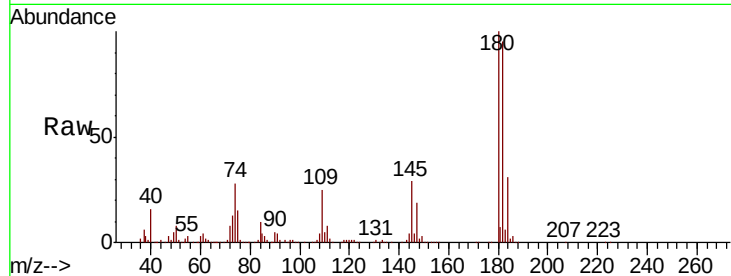
#93
1,2,4-Trichlorobenzene
Concen: 21.136 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX008261.D
Acq: 20 Mar 2019 23:57

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.9	143.7
145	30.1	14.1	42.4

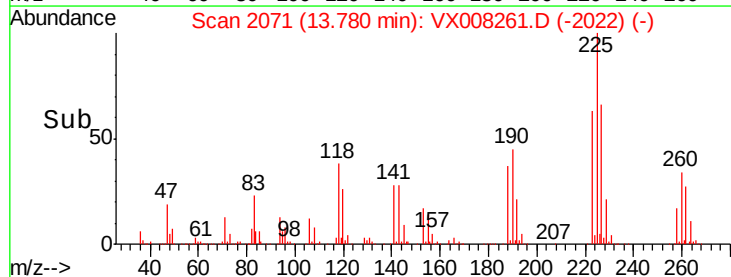
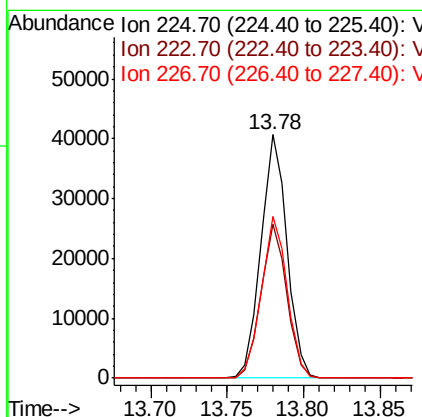
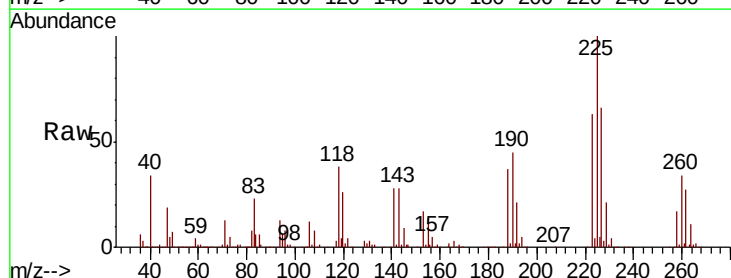
Manual Integrations
APPROVED

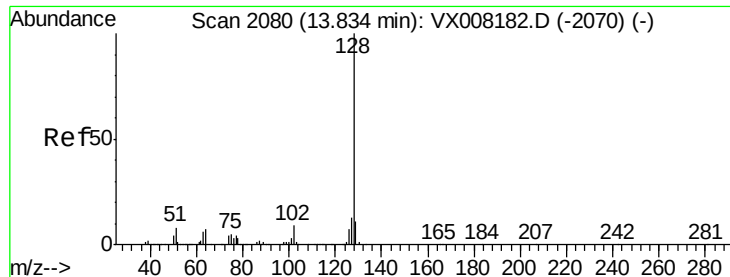
MMDadoda
3/22/2019 5:34:17 PM



#94
Hexachlorobutadiene
Concen: 21.181 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX008261.D
Acq: 20 Mar 2019 23:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.1	93.2
227	65.9	32.0	96.0





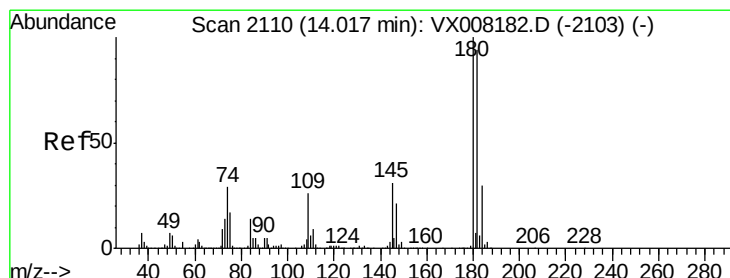
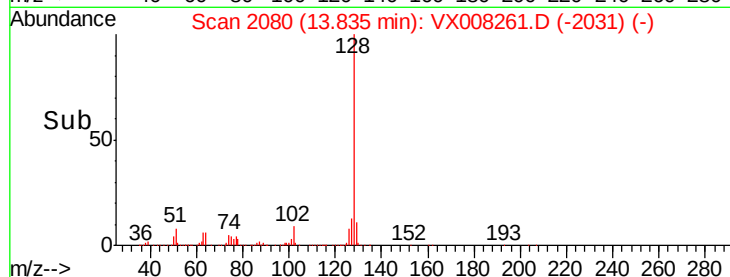
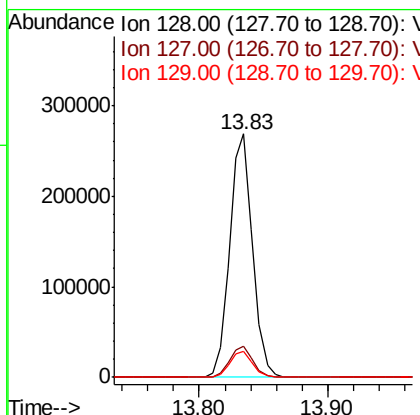
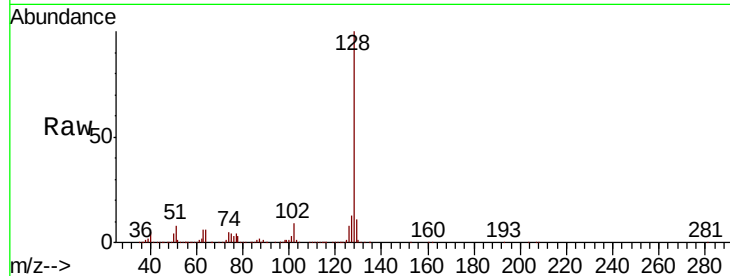
#95
Naphthalene
Concen: 22.401 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX008261.D
Acq: 20 Mar 2019 23:57

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/22/2019 5:34:17 PM



#96
1,2,3-Trichlorobenzene
Concen: 22.064 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX008261.D
Acq: 20 Mar 2019 23:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.5	142.5
145	31.4	14.8	44.3

