

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091019\
 Data File : VX012256.D
 Acq On : 10 Sep 2019 15:31
 Operator : SY/SP
 Sample : VX0910SBS02
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910SBS02

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 8:59:57 AM

Quant Time: Sep 11 01:56:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	139509	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	245668	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	219283	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	105794	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	85908	43.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.12%	
35) Dibromofluoromethane	5.48	113	70636	44.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.70%	
50) Toluene-d8	8.71	98	281908	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
62) 4-Bromofluorobenzene	11.13	95	113299	44.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	25233	22.123	ug/l	98
3) Chloromethane	1.31	50	21532	20.943	ug/l	96
4) Vinyl Chloride	1.40	62	21563	21.152	ug/l	99
5) Bromomethane	1.62	94	10686	23.398	ug/l	98
6) Chloroethane	1.71	64	14418	21.151	ug/l	96
7) Trichlorofluoromethane	1.92	101	39612	21.470	ug/l	99
8) Diethyl Ether	2.18	74	11990	19.045	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.37	101	27179	21.858	ug/l	99
10) Methyl Iodide	2.50	142	21245	17.951	ug/l	99
11) Tert butyl alcohol	3.03	59	20581	92.445	ug/l	99
12) 1,1-Dichloroethene	2.36	96	22445	21.262	ug/l	98
13) Acrolein	2.28	56	8619	83.594	ug/l	95
14) Allyl chloride	2.72	41	42397	19.699	ug/l	98
15) Acrylonitrile	3.13	53	31820	81.765	ug/l	96
16) Acetone	2.43	43	32103	68.755	ug/l	98
17) Carbon Disulfide	2.56	76	45481	20.517	ug/l	99
18) Methyl Acetate	2.76	43	15514	15.808	ug/l	95
19) Methyl tert-butyl Ether	3.18	73	74139	17.784	ug/l	96
20) Methylene Chloride	2.84	84	30395	19.244	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	26095	20.719	ug/l	98
22) Diisopropyl ether	3.84	45	92271	18.746	ug/l	95
23) Vinyl Acetate	3.80	43	265168	87.806	ug/l	99
24) 1,1-Dichloroethane	3.69	63	53189	20.174	ug/l	100
25) 2-Butanone	4.66	43	46741	78.307	ug/l	94
26) 2,2-Dichloropropane	4.56	77	50803	20.524	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	32595	20.046	ug/l	99
28) Bromochloromethane	5.00	49	21040	17.015	ug/l	99
29) Tetrahydrofuran	5.12	42	26541	82.413	ug/l	98
30) Chloroform	5.20	83	58262	19.597	ug/l	99
31) Cyclohexane	5.57	56	39029	21.310	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	51647	20.231	ug/l	98
36) 1,1-Dichloropropene	5.79	75	39076	21.814	ug/l	99
37) Ethyl Acetate	4.83	43	18173	16.412	ug/l #	91
38) Carbon Tetrachloride	5.77	117	43519	20.707	ug/l	94

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	42143	21.437	ug/l	94
40) Benzene	6.13	78	110979	20.470	ug/l	96
41) Methacrylonitrile	5.03	41	11369	16.654	ug/l	96
42) 1,2-Dichloroethane	6.18	62	39901	18.621	ug/l	100
43) Isopropyl Acetate	6.43	43	39212	16.796	ug/l	99
44) Trichloroethene	7.21	130	30198	20.582	ug/l	97
45) 1,2-Dichloropropane	7.50	63	29715	19.801	ug/l	95
46) Dibromomethane	7.65	93	15103	18.414	ug/l	98
47) Bromodichloromethane	7.89	83	41640	18.604	ug/l	98
48) Methyl methacrylate	7.76	41	18549	16.599	ug/l	95
49) 1,4-Dioxane	7.73	88	4904	325.220	ug/l	92
51) 4-Methyl-2-Pentanone	8.64	43	100250	81.362	ug/l	99
52) Toluene	8.78	92	73146	20.426	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	40142	17.969	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	47194	19.051	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	22720	17.880	ug/l	99
56) Ethyl methacrylate	9.17	69	29446	17.115	ug/l	98
57) 1,3-Dichloropropane	9.37	76	39788	18.334	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	72324	82.020	ug/l	99
59) 2-Hexanone	9.49	43	68622	80.099	ug/l	99
60) Dibromochloromethane	9.57	129	26023	17.543	ug/l	97
61) 1,2-Dibromoethane	9.67	107	20550	17.374	ug/l	99
64) Tetrachloroethene	9.33	164	24883	21.456	ug/l	96
65) Chlorobenzene	10.14	112	81053	20.229	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	29686	19.654	ug/l	99
67) Ethyl Benzene	10.25	91	151402	21.246	ug/l	99
68) m/p-Xylenes	10.35	106	112872	43.028	ug/l	100
69) o-Xylene	10.70	106	54454	21.190	ug/l	98
70) Styrene	10.71	104	91783	20.139	ug/l	98
71) Bromoform	10.85	173	13389	17.095	ug/l #	99
73) Isopropylbenzene	11.01	105	151010	21.682	ug/l	100
74) N-amyl acetate	10.89	43	36409	17.582	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	27774	18.568	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	23516m	17.303	ug/l	
77) Bromobenzene	11.25	156	32568	20.310	ug/l	98
78) n-propylbenzene	11.35	91	186249	22.145	ug/l	99
79) 2-Chlorotoluene	11.42	91	110978	21.298	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	136073	21.725	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	7571	16.691	ug/l	94
82) 4-Chlorotoluene	11.51	91	133651	21.342	ug/l	98
83) tert-Butylbenzene	11.77	119	130513	21.460	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	138238	21.350	ug/l	100
85) sec-Butylbenzene	11.94	105	156305	21.540	ug/l	100
86) p-Isopropyltoluene	12.06	119	143743	21.438	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	66517	20.364	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	66591	20.161	ug/l	98
89) n-Butylbenzene	12.38	91	141093	21.470	ug/l	99
90) Hexachloroethane	12.59	117	24636	19.948	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	60799	20.121	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	5238	17.156	ug/l	95

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ClientSampleId :
VX0910SBS02

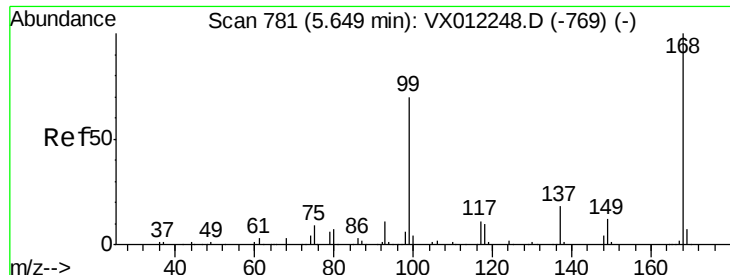
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	39694	19.022	µg/l	98
94) Hexachlorobutadiene	13.77	225	21361	20.577	µg/l	98
95) Naphthalene	13.83	128	76491	17.081	µg/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	33722	18.265	µg/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012256.D

Acq: 10 Sep 2019 15:31

Instrument :

MSVOA_X

ClientSampleId :

VX0910SBS02

Tot Ion:168 Resp: 139509

Ion Ratio Lower Upper

168 100

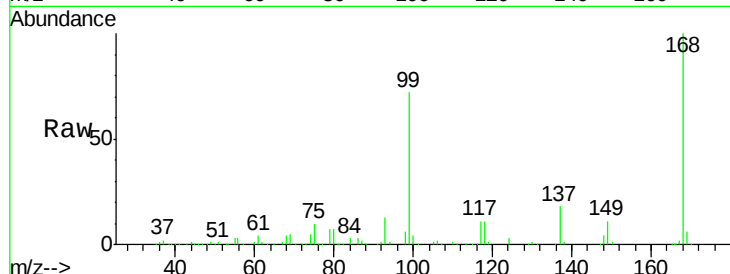
99 71.5 55.8 83.6

Manual Integrations

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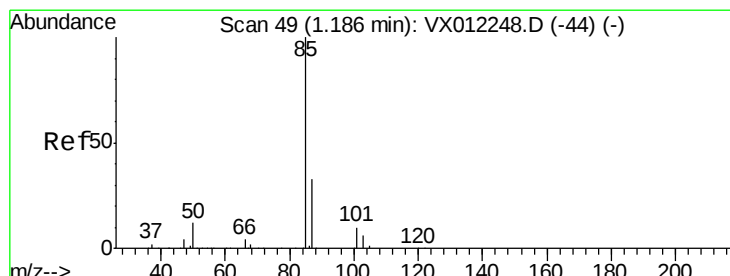
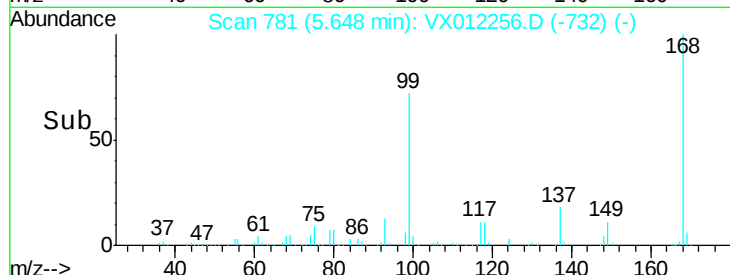
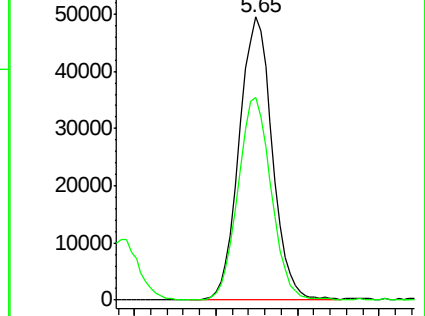
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 22.123 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012256.D

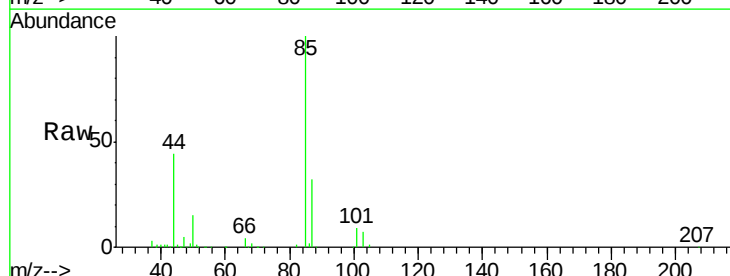
Acq: 10 Sep 2019 15:31

Tgt Ion: 85 Resp: 25233

Ion Ratio Lower Upper

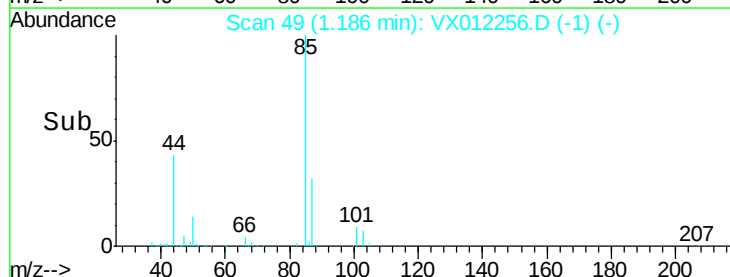
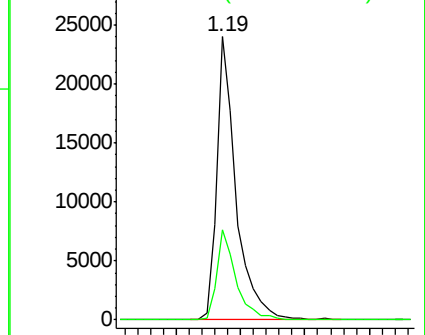
85 100

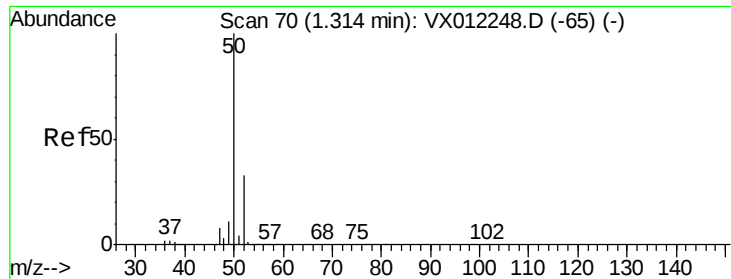
87 31.9 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 20.943 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012256.D

Acq: 10 Sep 2019 15:31

Instrument :

MSVOA_X

ClientSampleId :

VX0910SBS02

Tot Ion: 50 Resp: 21532

Ion Ratio Lower Upper

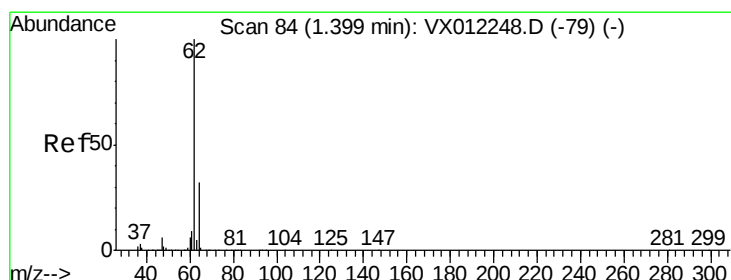
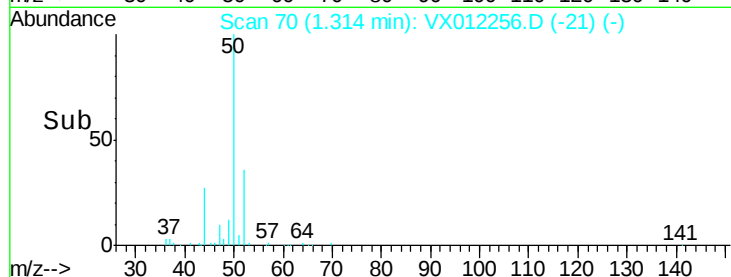
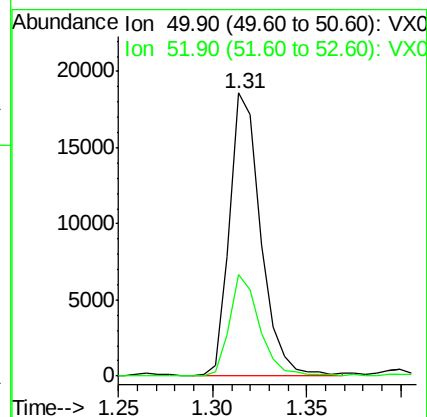
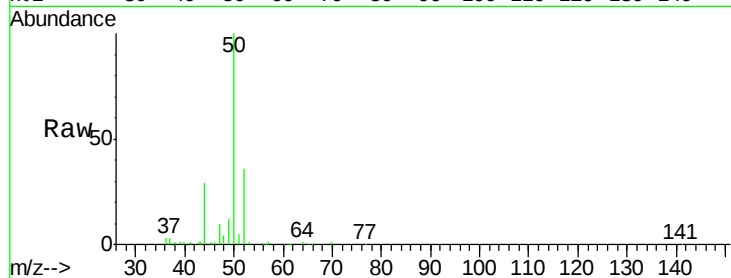
50 100

52 35.8 26.7 40.1

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#4

Vinyl Chloride

Concen: 21.152 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX012256.D

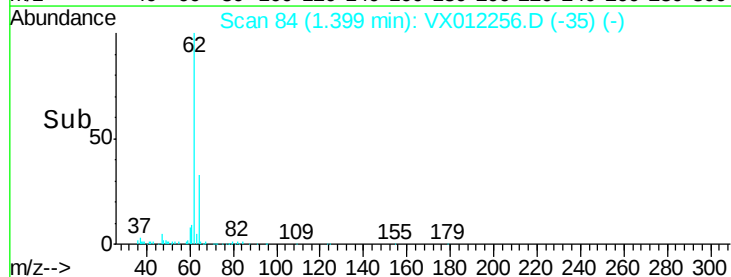
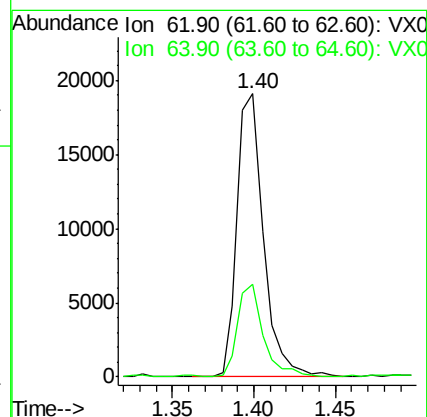
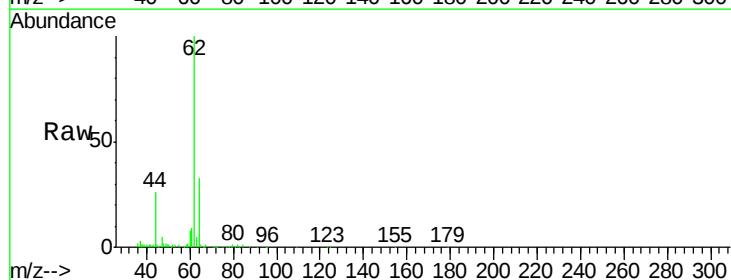
Acq: 10 Sep 2019 15:31

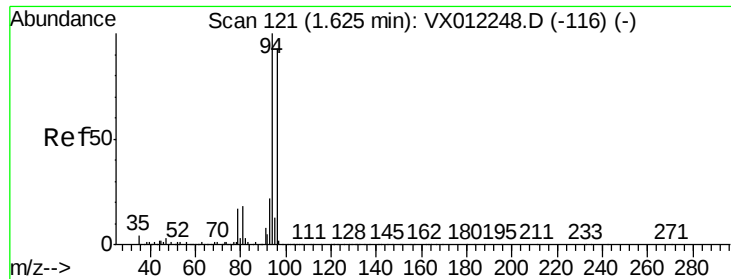
Tgt Ion: 62 Resp: 21563

Ion Ratio Lower Upper

62 100

64 32.4 25.5 38.3





#5

Bromomethane

Concen: 23.398 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012256.D

Acq: 10 Sep 2019 15:31

Instrument :

MSVOA_X

ClientSampleId :

VX0910SBS02

Tot Ion: 94 Resp: 10686

Ion Ratio Lower Upper

94 100

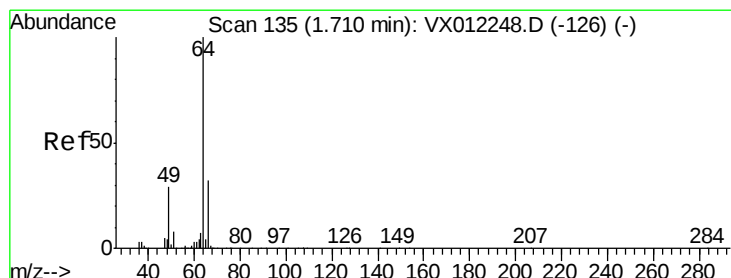
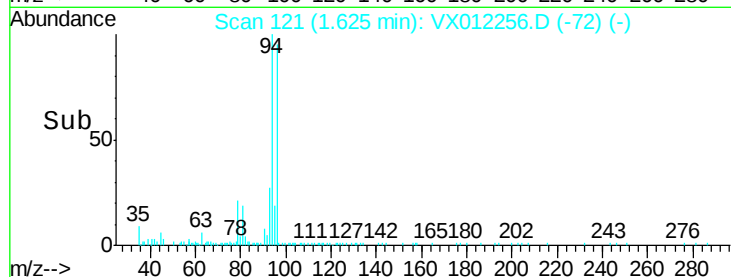
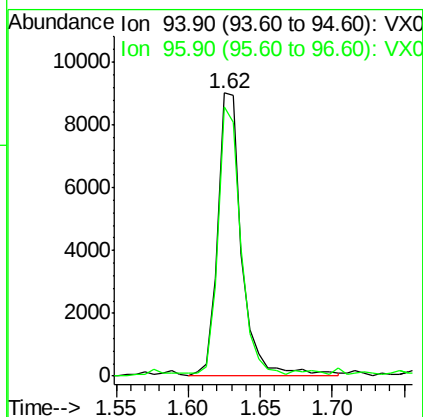
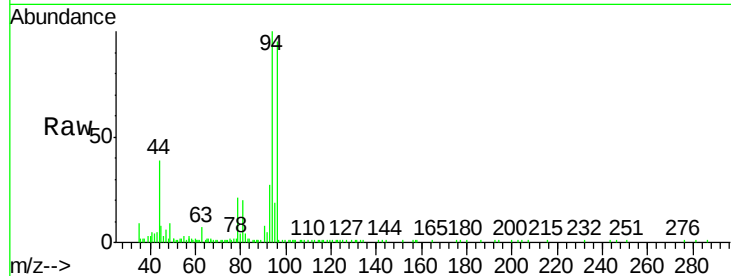
96 94.0 74.0 111.0

Manual Integrations

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#6

Chloroethane

Concen: 21.151 ug/l

RT: 1.71 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX012256.D

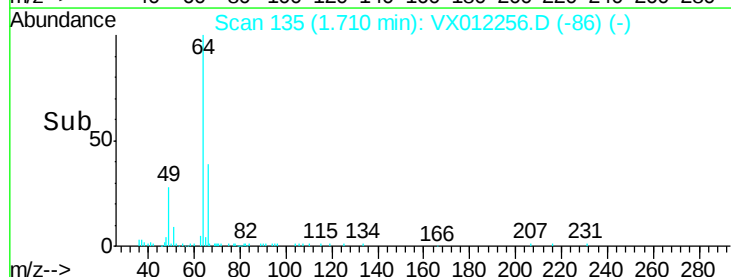
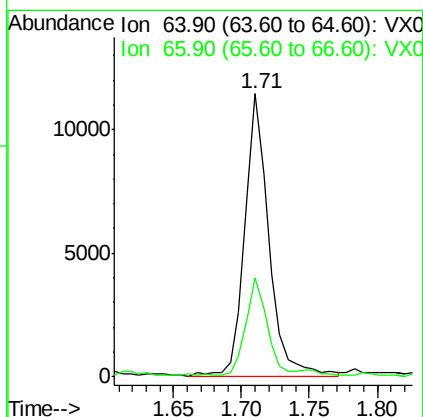
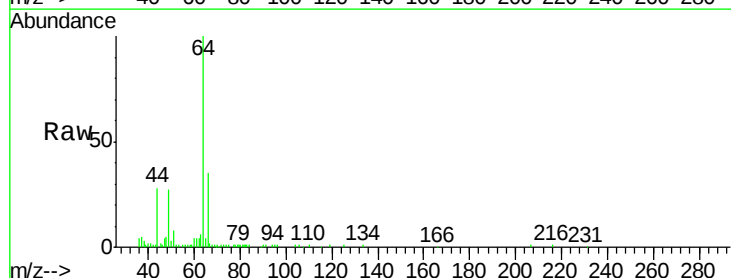
Acq: 10 Sep 2019 15:31

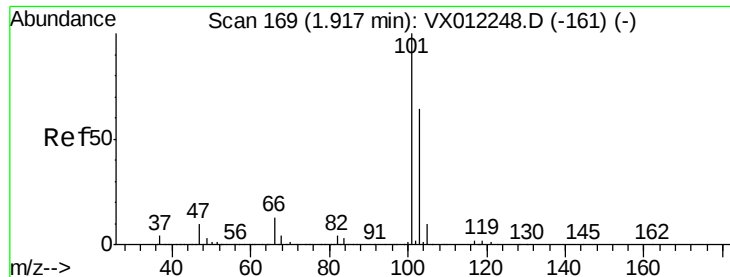
Tgt Ion: 64 Resp: 14418

Ion Ratio Lower Upper

64 100

66 34.4 25.8 38.6





#7

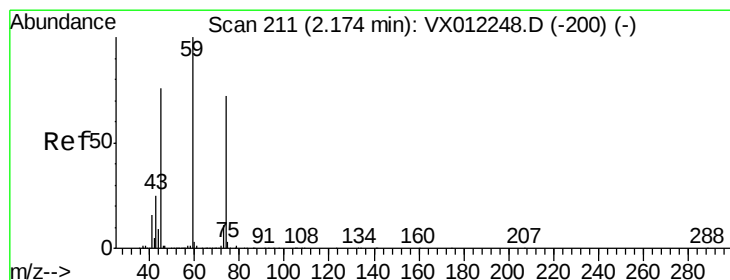
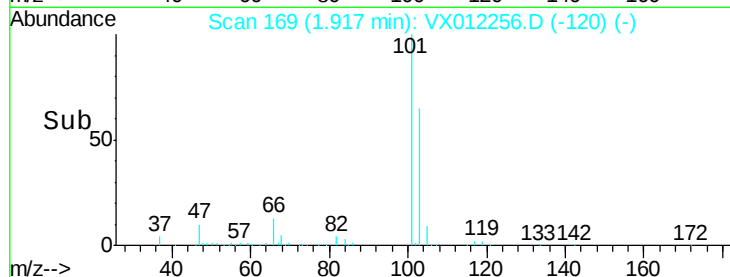
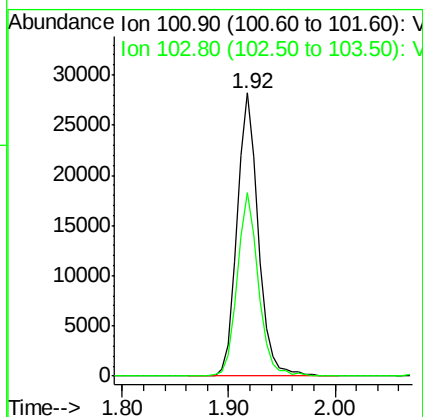
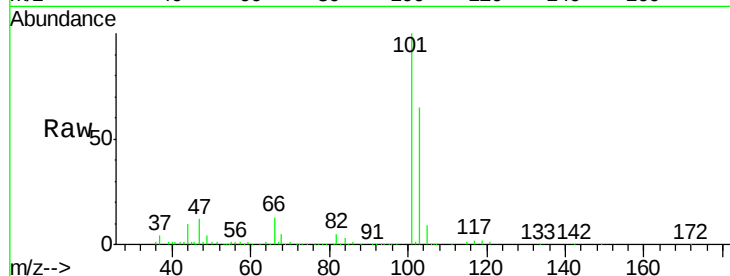
Trichlorofluoromethane
Concen: 21.470 ug/l
RT: 1.92 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX012256.D
Acq: 10 Sep 2019 15:31

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VX0910SBS02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	39612		
103	64.9	51.4	77.2	

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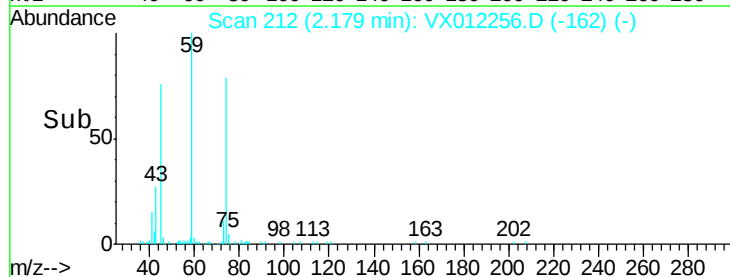
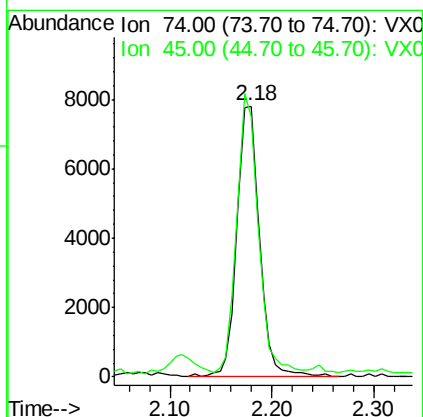
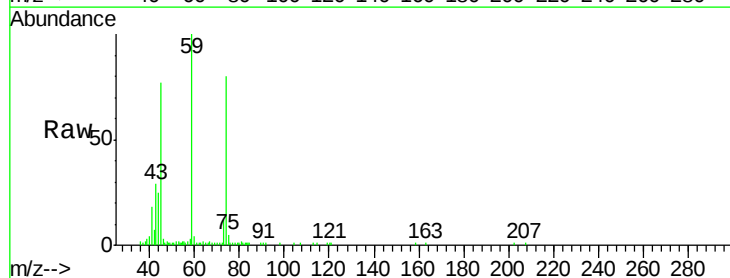
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9/12/2019 8:59:57 AM

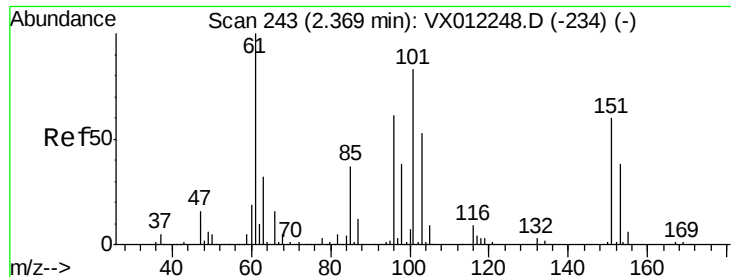


#8

Diethyl Ether
Concen: 19.045 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.01 min
Lab File: VX012256.D
Acq: 10 Sep 2019 15:31

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	11990		
45	95.9	51.3	153.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.858 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX012256.D

Acq: 10 Sep 2019 15:31

Instrument :

MSVOA_X

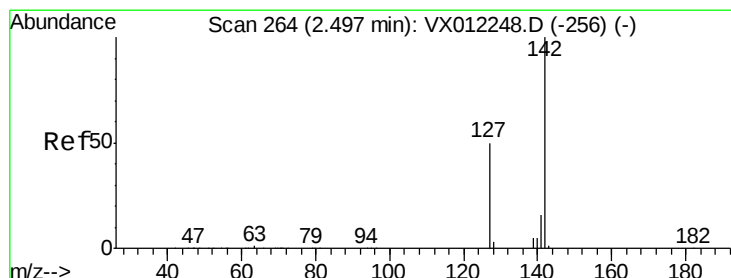
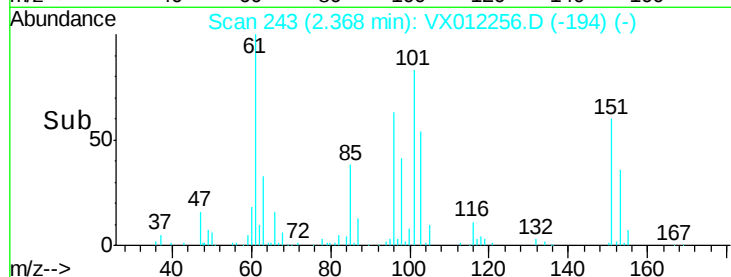
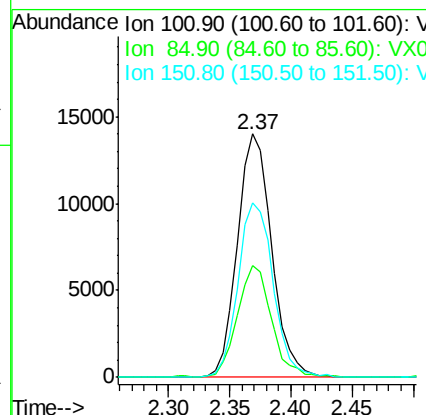
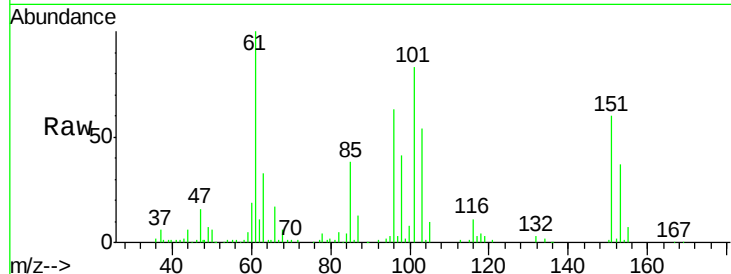
ClientSampleId :

VX0910SBS02

Tot Ion:	101	Resp:	27179
Ion Ratio	Lower	Upper	
101	100		
85	45.9	37.0	55.6
151	73.7	58.6	87.8

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#10

Methyl Iodide

Concen: 17.951 ug/l

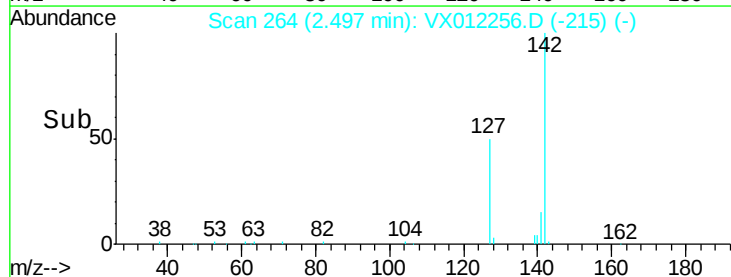
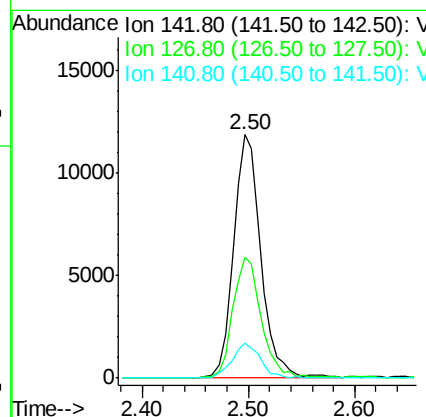
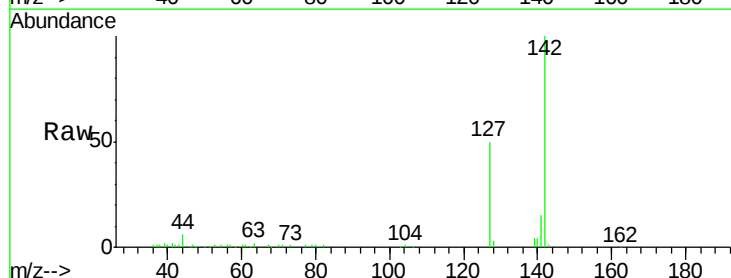
RT: 2.50 min Scan# 264

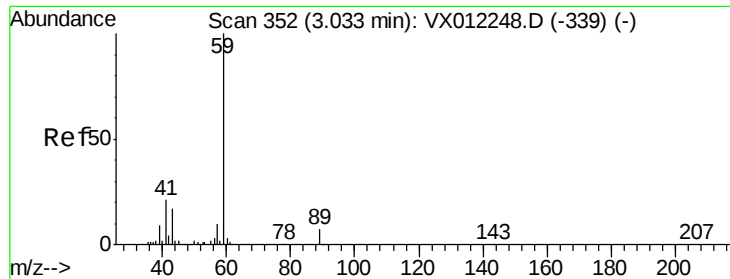
Delta R.T. -0.00 min

Lab File: VX012256.D

Acq: 10 Sep 2019 15:31

Tgt Ion:	142	Resp:	21245
Ion Ratio	Lower	Upper	
142	100		
127	51.8	40.6	61.0
141	14.7	12.0	18.0





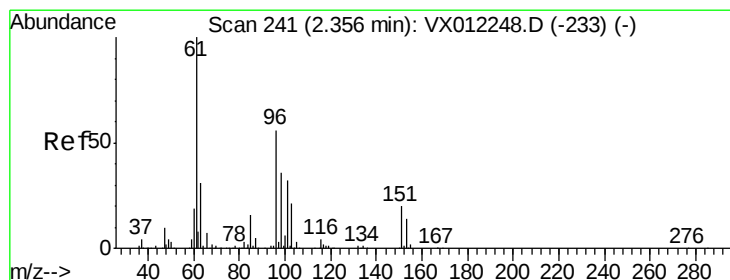
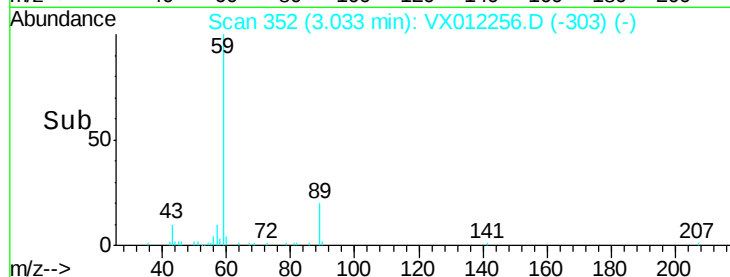
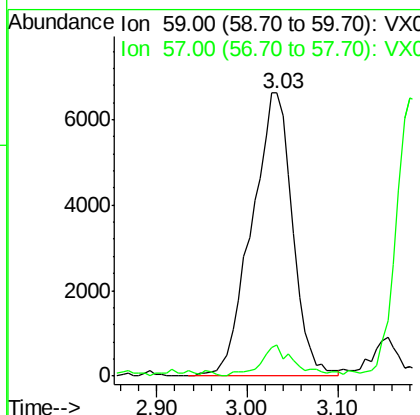
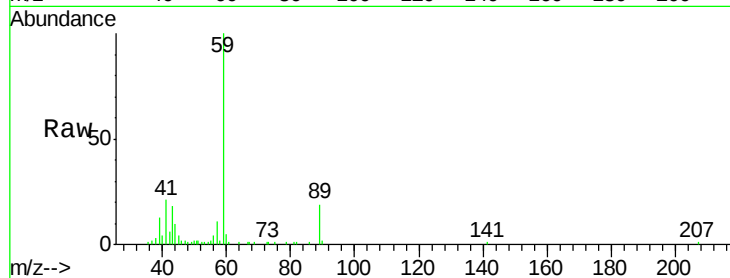
#11
Tert butyl alcohol
Concen: 92.445 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.00 min
Lab File: VX012256.D
Acq: 10 Sep 2019 15:31

Instrument :
MSVOA_X
ClientSampleId :
VX0910SBS02

Tot Ion	Ratio	Resp	Lower	Upper
59	100	20581		
57	9.2		7.8	11.6

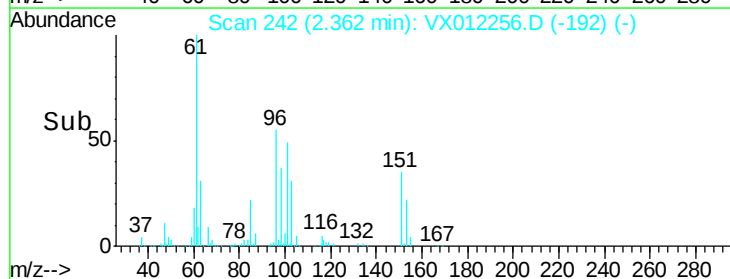
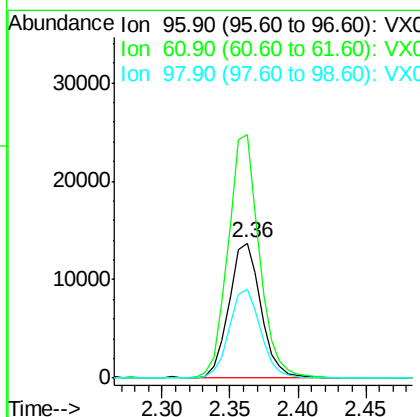
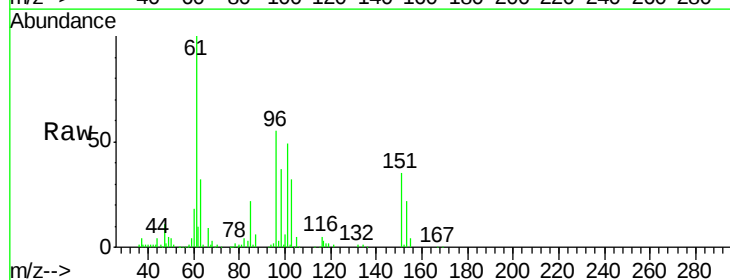
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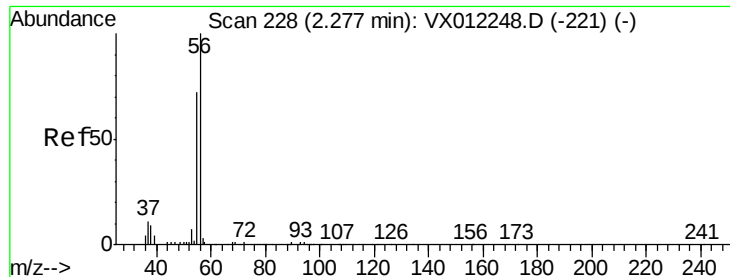
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#12
1,1-Dichloroethene
Concen: 21.262 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.01 min
Lab File: VX012256.D
Acq: 10 Sep 2019 15:31

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	22445		
61	180.0		142.2	213.2
98	66.0		51.3	76.9





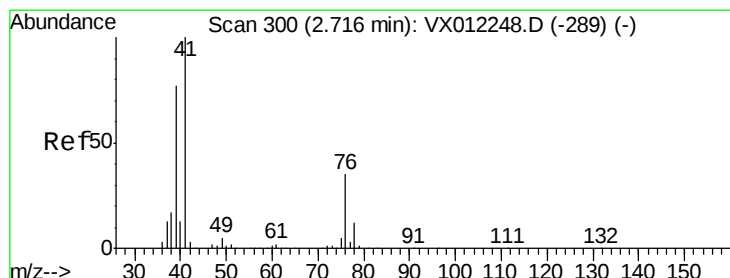
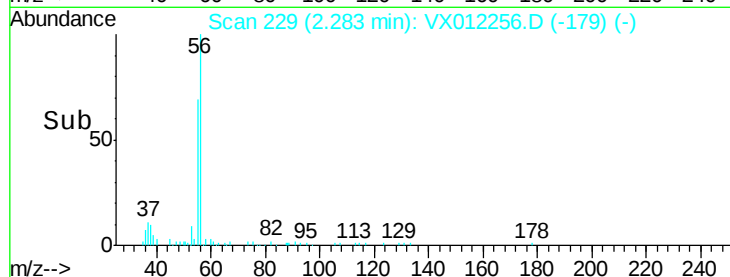
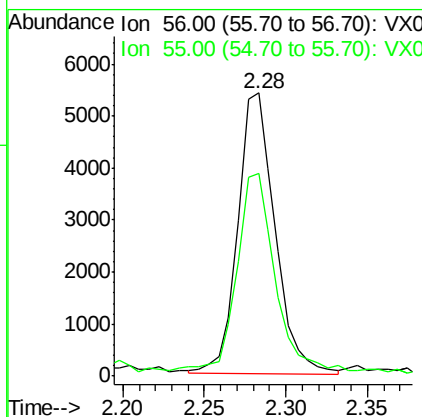
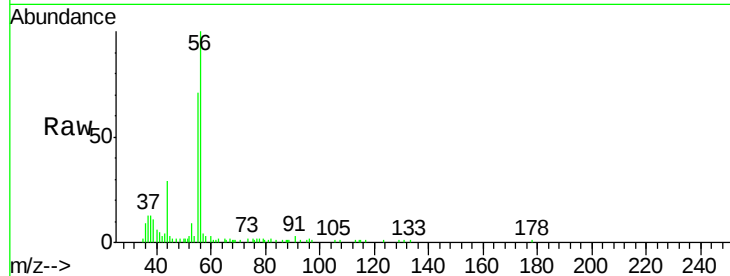
#13
Acrolein
Concen: 83.594 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.01 min
Lab File: VX012256.D
Acq: 10 Sep 2019 15:31

Instrument :
MSVOA_X
ClientSampleId :
VX0910SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.2	59.8	89.6

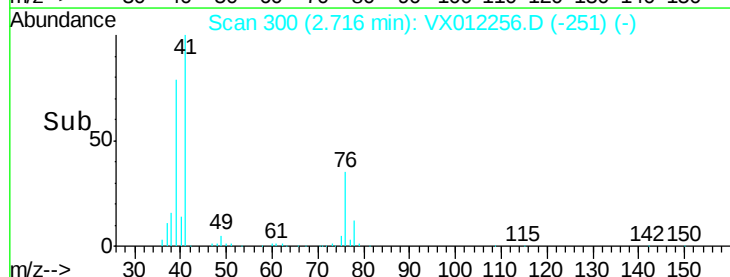
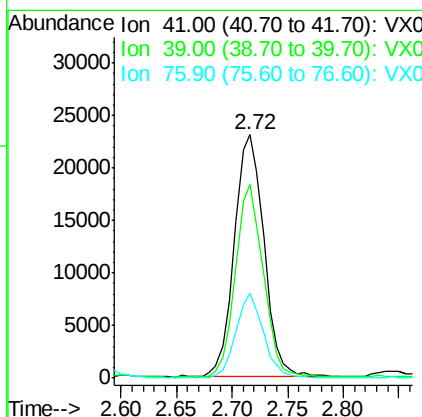
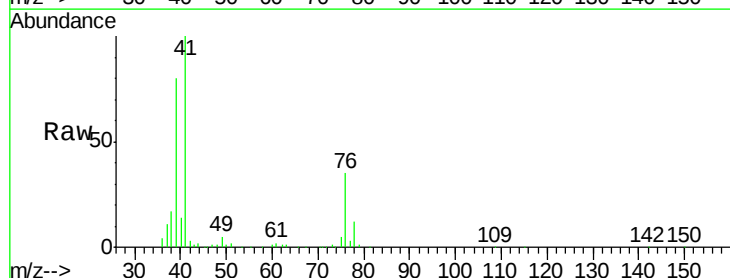
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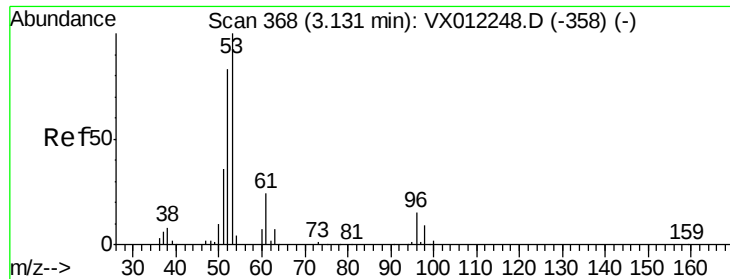
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#14
Allyl chloride
Concen: 19.699 ug/l
RT: 2.72 min Scan# 300
Delta R.T. -0.00 min
Lab File: VX012256.D
Acq: 10 Sep 2019 15:31

Tgt Ion	Ratio	Lower	Upper
41	100		
39	75.9	58.6	87.8
76	33.1	26.3	39.5





#15

Acrylonitrile

Concen: 81.765 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX012256.D

Acq: 10 Sep 2019 15:31

Instrument :

MSVOA_X

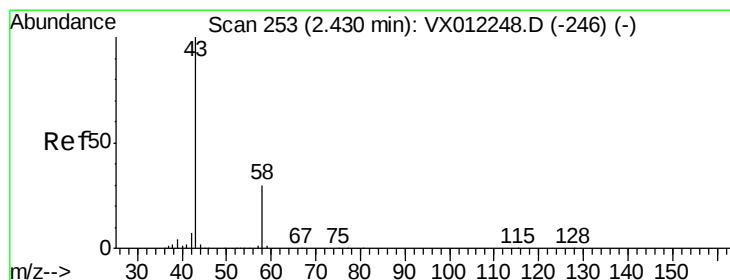
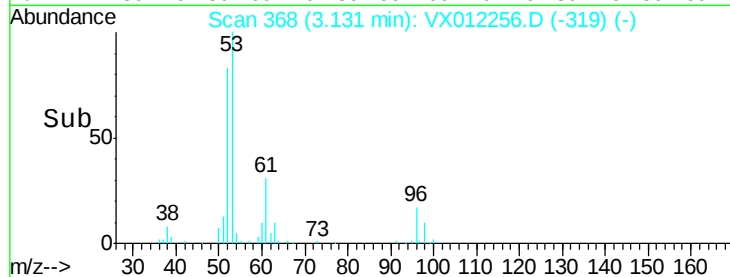
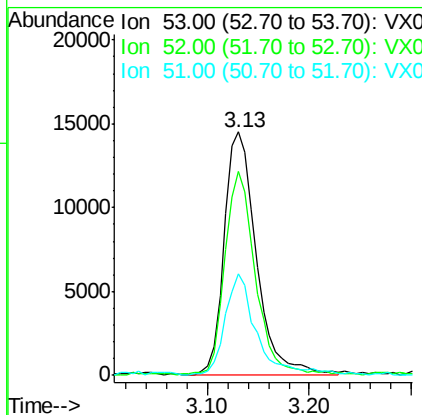
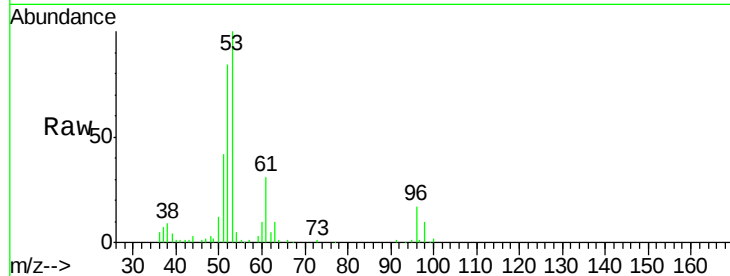
ClientSampleId :

VX0910SBS02

Tot Ion:	53	Resp:	31820
Ion	Ratio	Lower	Upper
53	100		
52	80.4	66.8	100.2
51	40.7	30.7	46.1

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#16

Acetone

Concen: 68.755 ug/l

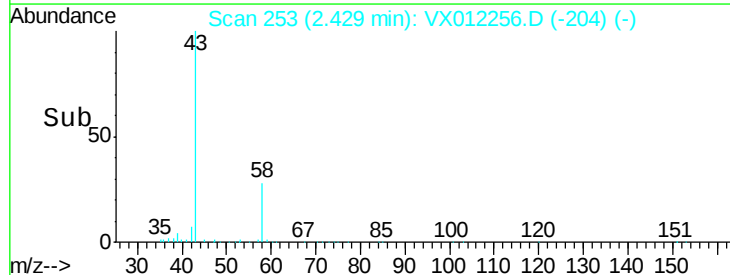
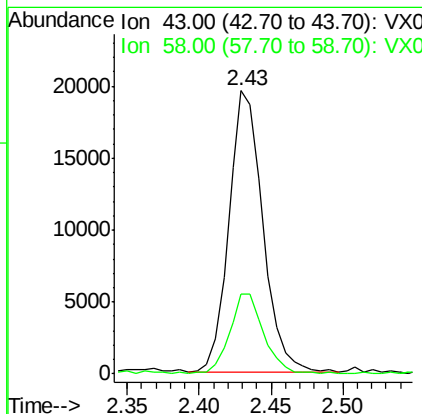
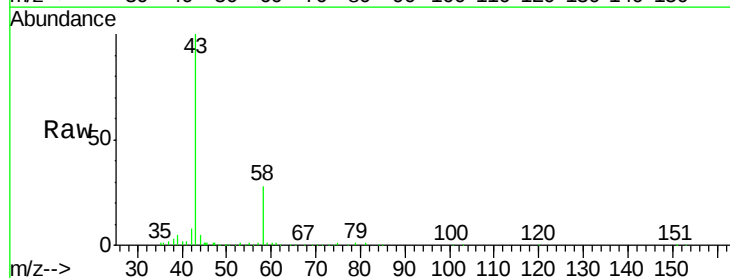
RT: 2.43 min Scan# 253

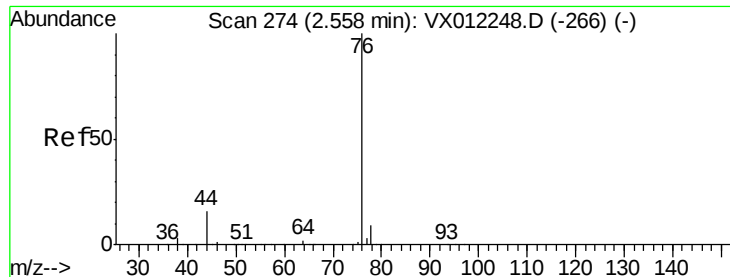
Delta R.T. -0.00 min

Lab File: VX012256.D

Acq: 10 Sep 2019 15:31

Tgt Ion:	43	Resp:	32103
Ion	Ratio	Lower	Upper
43	100		
58	28.3	23.6	35.4





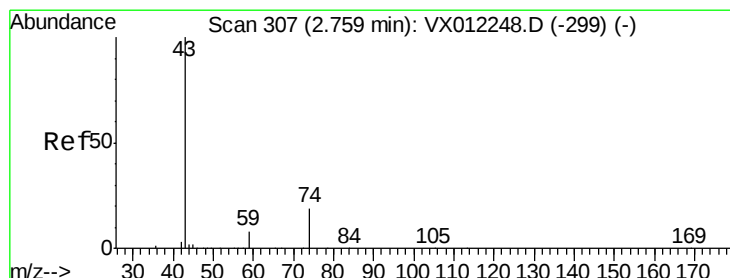
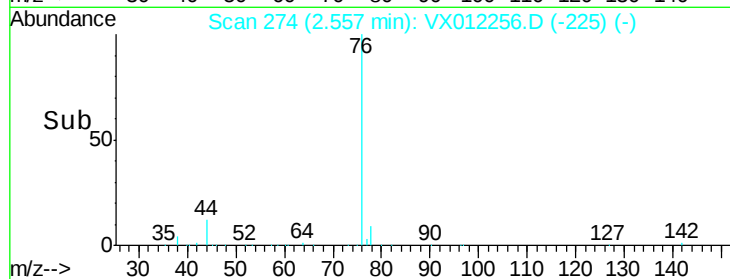
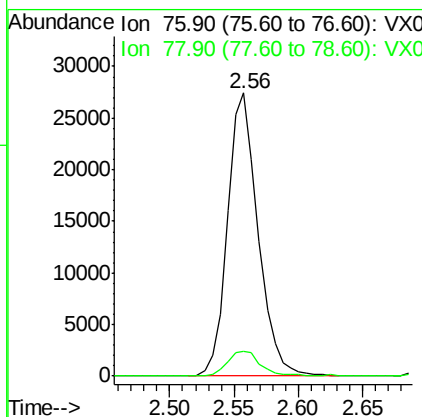
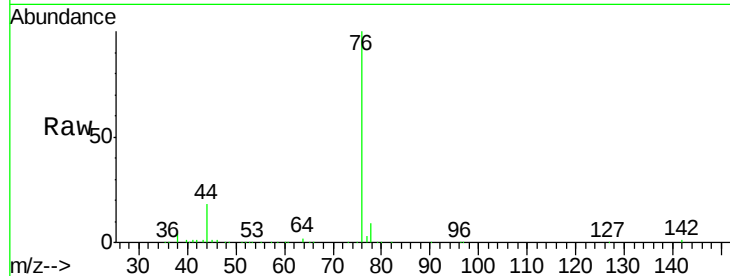
#17
Carbon Disulfide
Concen: 20.517 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.00 min
Lab File: VX012256.D
Acq: 10 Sep 2019 15:31

Instrument :
MSVOA_X
ClientSampleId :
VX0910SBS02

Tot Ion	76	Resp	45481
Ion Ratio	100	Lower	Upper
76	100		
78	8.8	7.4	11.2

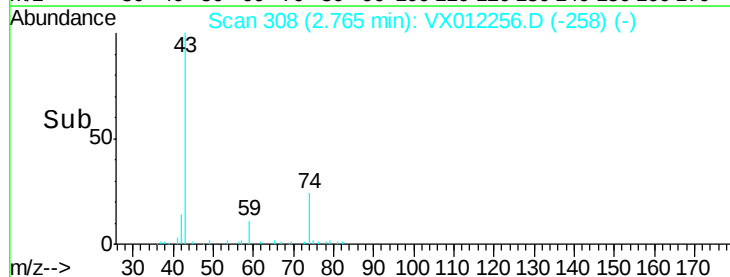
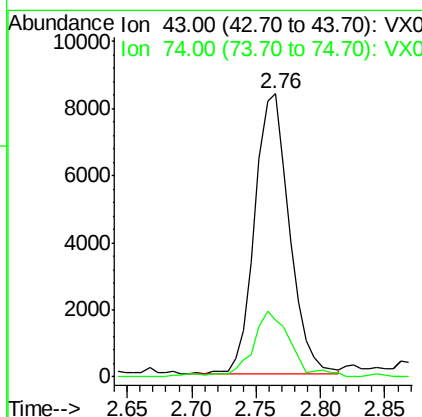
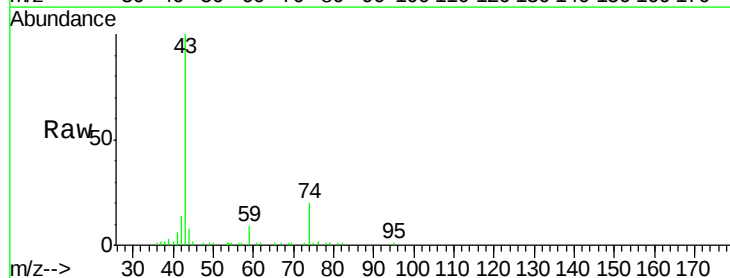
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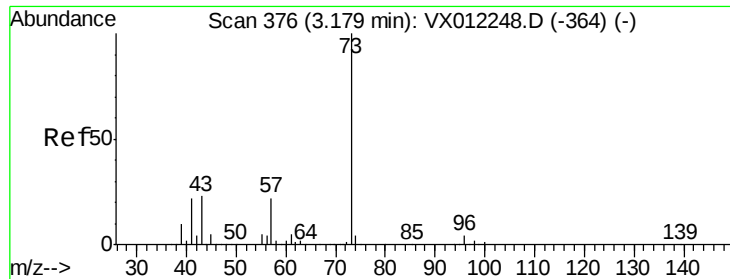
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#18
Methyl Acetate
Concen: 15.808 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.01 min
Lab File: VX012256.D
Acq: 10 Sep 2019 15:31

Tgt Ion	43	Resp	15514
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
43	100		
74	25.3	18.3	27.5





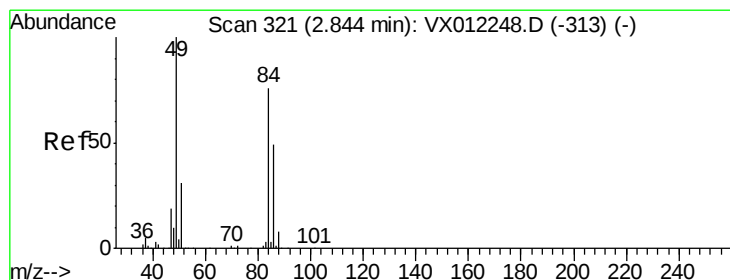
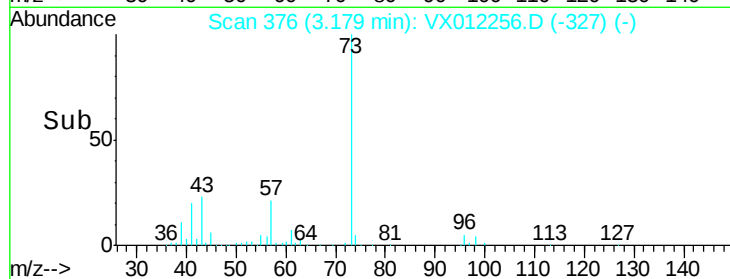
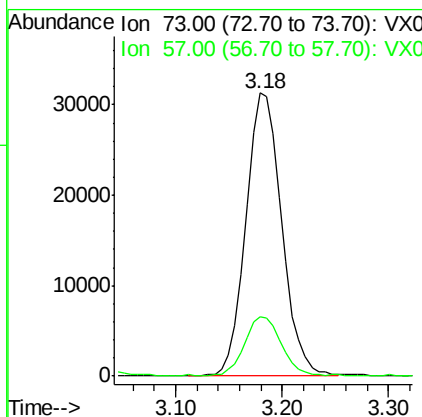
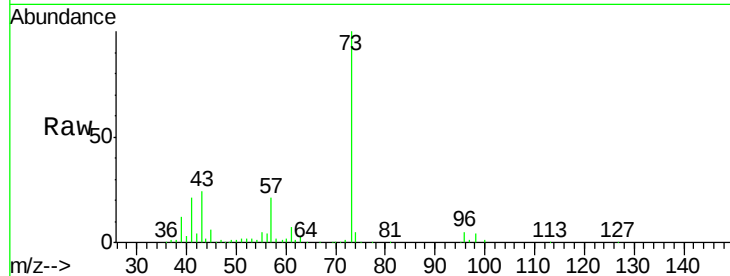
#19
Methvl tert-butvl Ether
Concen: 17.784 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX012256.D
Acq: 10 Sep 2019 15:31

Instrument :
MSVOA_X
ClientSampleId :
VX0910SBS02

Tot Ion: 73 Resp: 74139
Ion Ratio Lower Upper
73 100
57 20.4 17.7 26.5

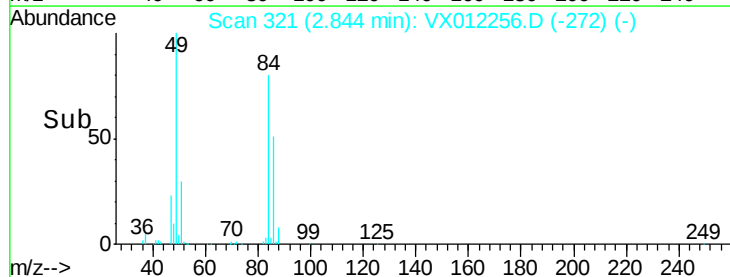
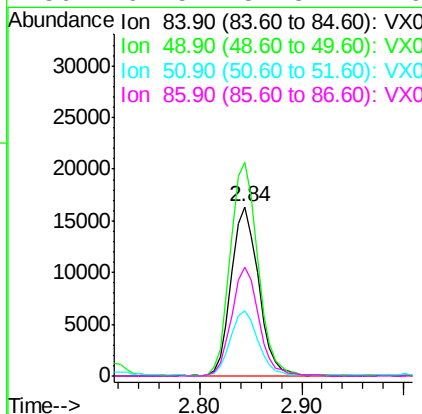
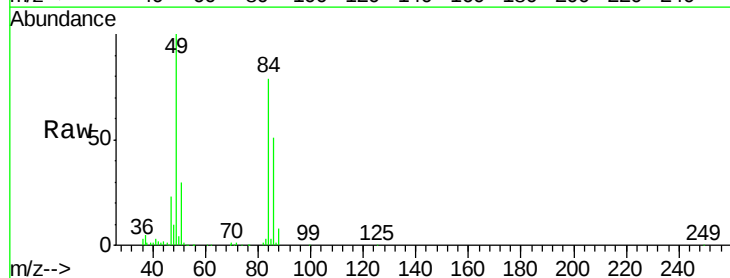
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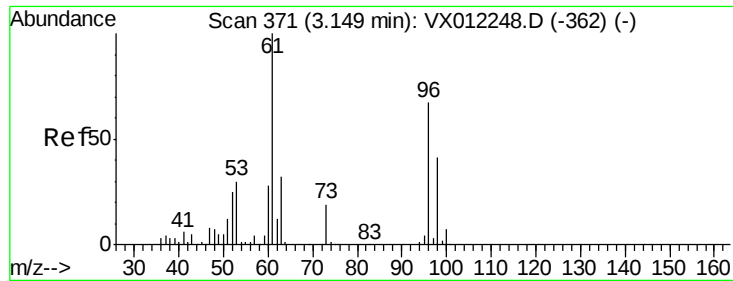
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#20
Methylene Chloride
Concen: 19.244 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012256.D
Acq: 10 Sep 2019 15:31

Tgt Ion: 84 Resp: 30395
Ion Ratio Lower Upper
84 100
49 126.0 105.0 157.6
51 37.8 32.6 48.8
86 64.5 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 20.719 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX012256.D

Acq: 10 Sep 2019 15:31

Instrument :

MSVOA_X

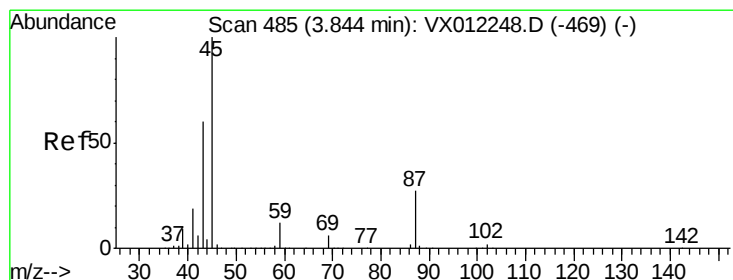
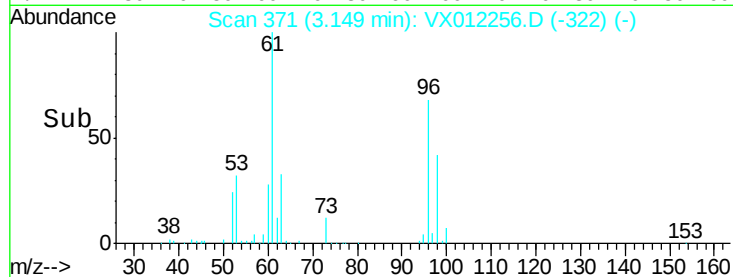
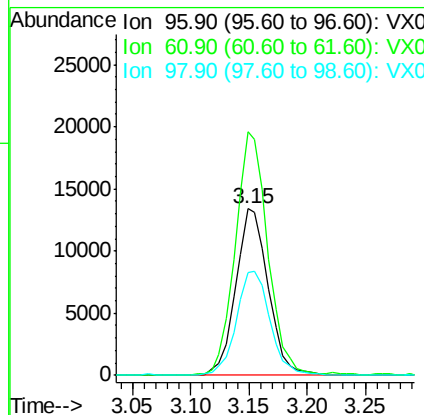
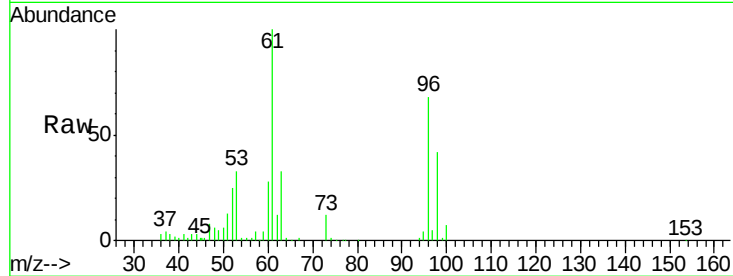
ClientSampleId :

VX0910SBS02

Tot Ion:	96	Resp:	26095
Ion	Ratio	Lower	Upper
96	100		
61	146.4	119.4	179.2
98	61.7	48.4	72.6

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#22

Diisopropyl ether

Concen: 18.746 ug/l

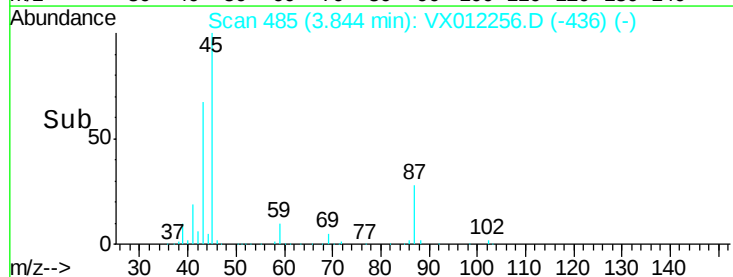
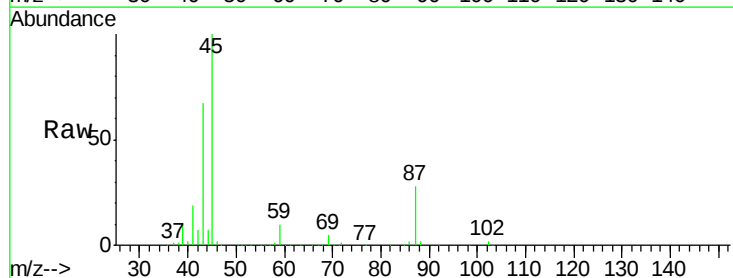
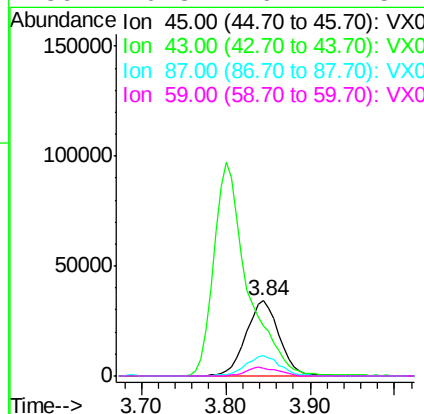
RT: 3.84 min Scan# 485

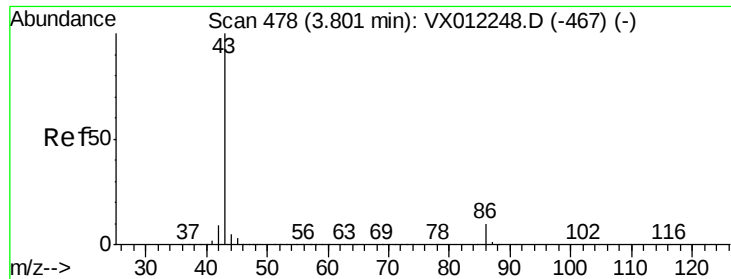
Delta R.T. -0.00 min

Lab File: VX012256.D

Acq: 10 Sep 2019 15:31

Tgt Ion:	45	Resp:	92271
Ion	Ratio	Lower	Upper
45	100		
43	65.6	48.3	72.5
87	28.0	21.8	32.8
59	10.3	9.1	13.7





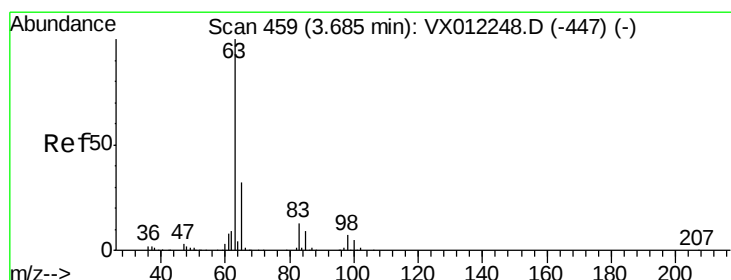
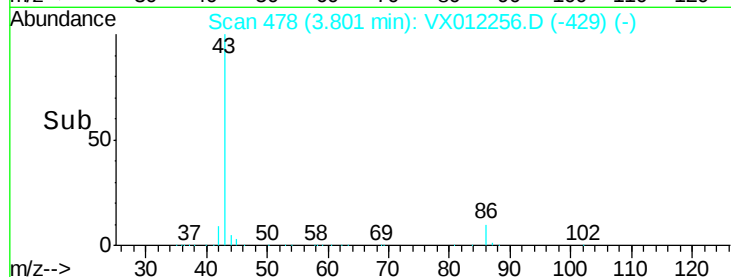
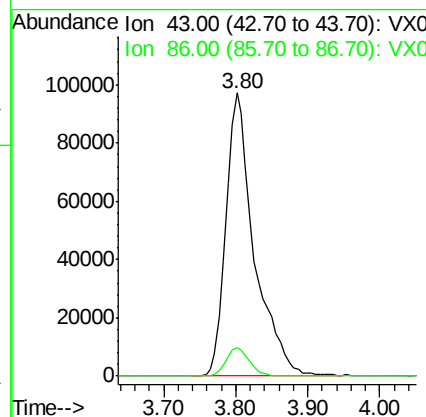
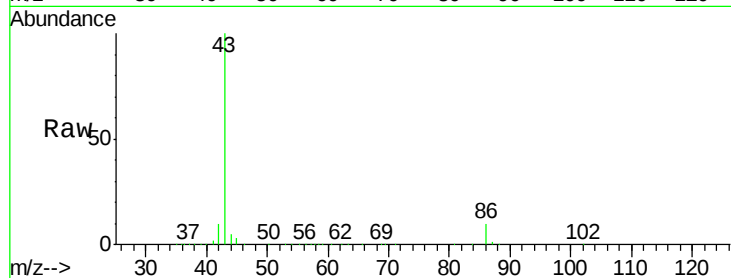
#23
 Vinyl Acetate
 Concen: 87.806 ug/l
 RT: 3.80 min Scan# 478
 Delta R.T. -0.00 min
 Lab File: VX012256.D
 Acq: 10 Sep 2019 15:31

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0910SBS02

Tot Ion	43	86	Resp	Lower	Upper
265168	100	10.0		8.3	12.5

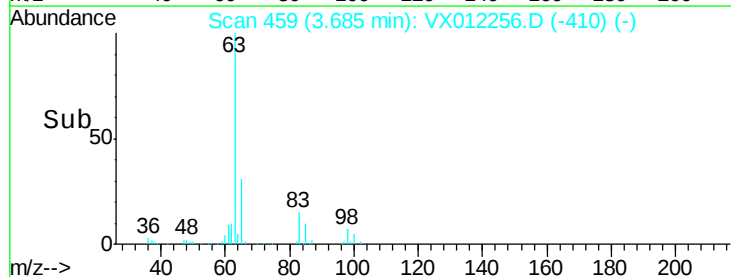
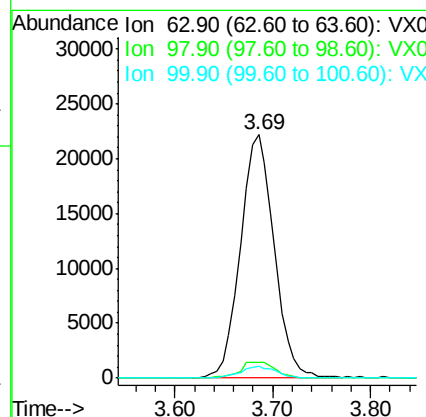
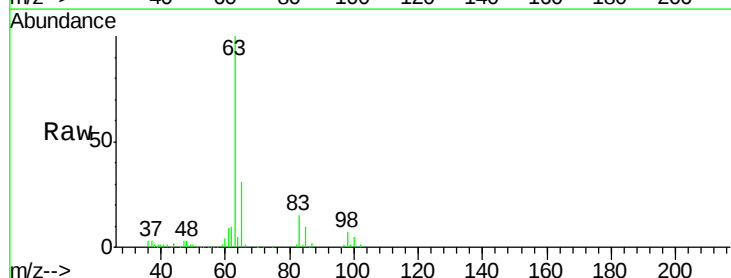
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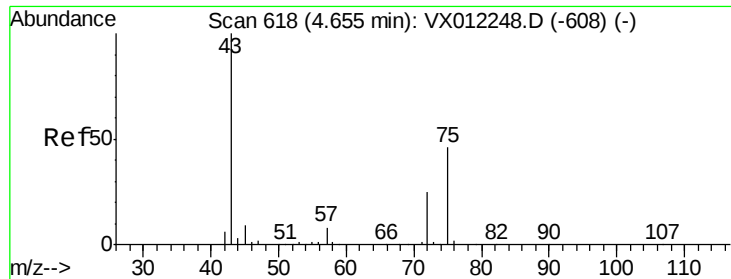
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#24
 1,1-Dichloroethane
 Concen: 20.174 ug/l
 RT: 3.69 min Scan# 459
 Delta R.T. -0.00 min
 Lab File: VX012256.D
 Acq: 10 Sep 2019 15:31

Tgt Ion	63	98	100	Resp	Lower	Upper
53189	100	6.7	5.0		3.4	10.1
					2.4	7.2





#25

2-Butanone

Concen: 78.307 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX012256.D

Acq: 10 Sep 2019 15:31

Instrument :

MSVOA_X

ClientSampleId :

VX0910SBS02

Tot Ion: 43 Resp: 46741

Ion Ratio Lower Upper

43 100

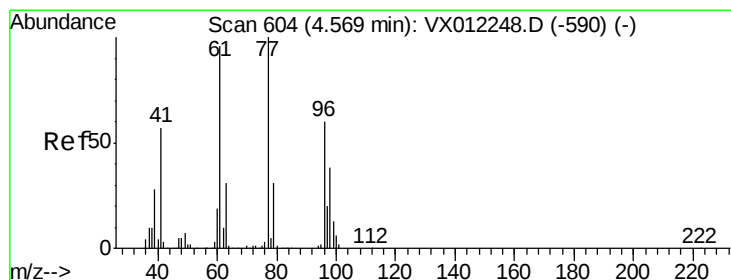
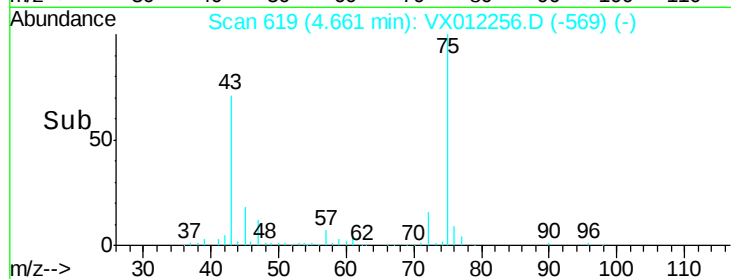
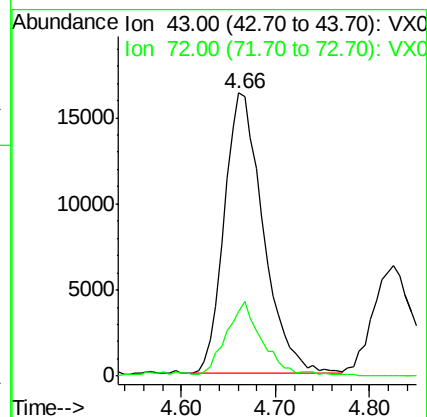
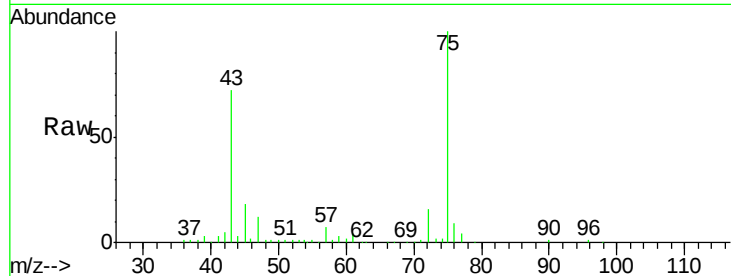
72 22.4 20.2 30.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.524 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX012256.D

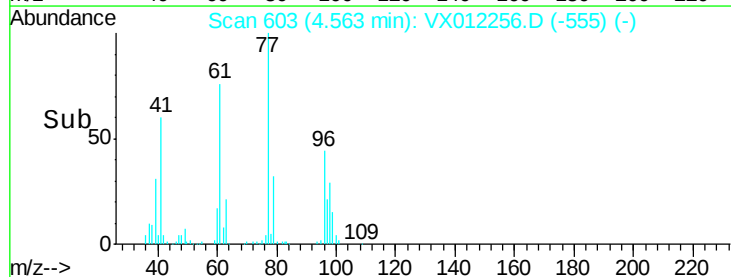
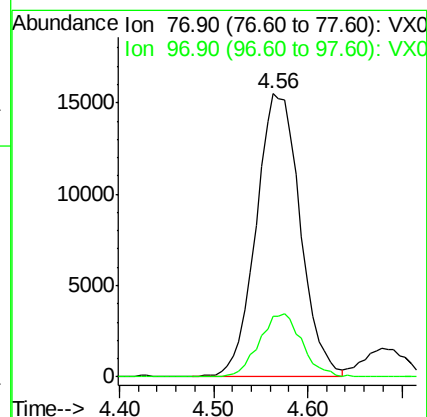
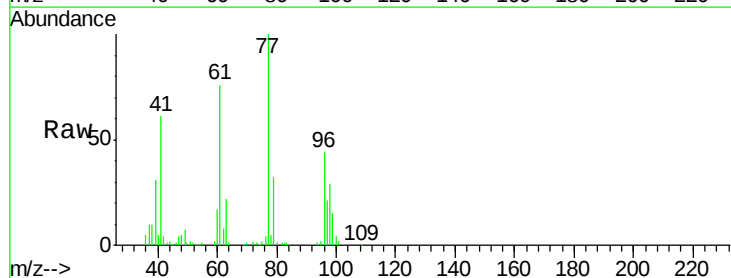
Acq: 10 Sep 2019 15:31

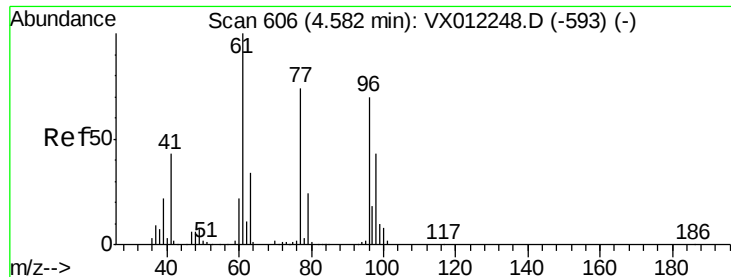
Tgt Ion: 77 Resp: 50803

Ion Ratio Lower Upper

77 100

97 21.6 10.7 32.1





#27

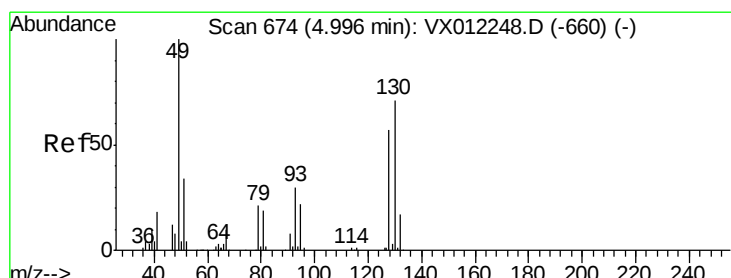
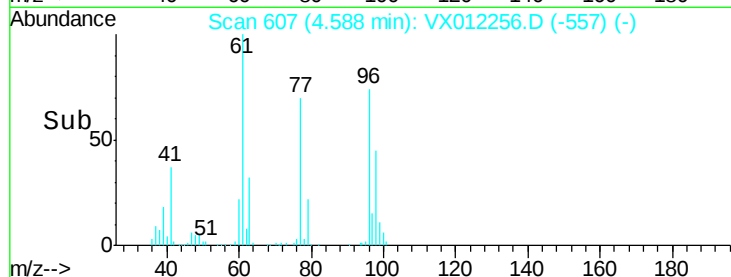
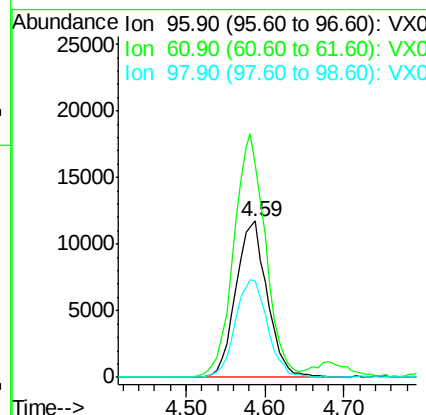
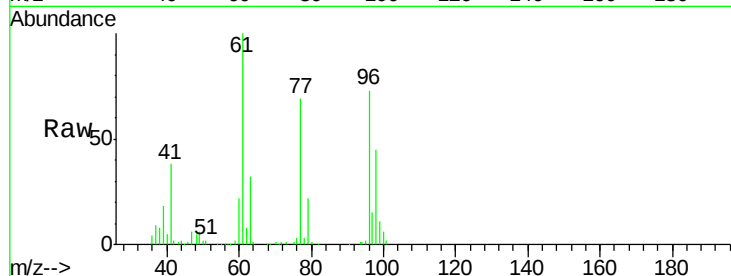
cis-1,2-Dichloroethene
 Concen: 20.046 ug/l
 RT: 4.59 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VX012256.D
 Acq: 10 Sep 2019 15:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910SBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	32595		
61	156.1	0.0	310.4	
98	63.8	0.0	128.8	

Manual Integrations
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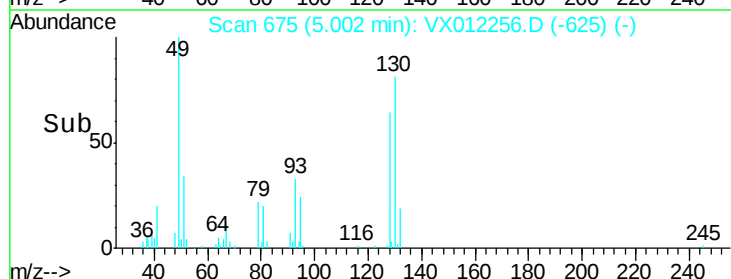
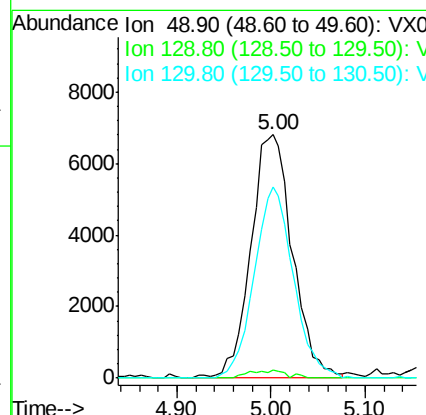
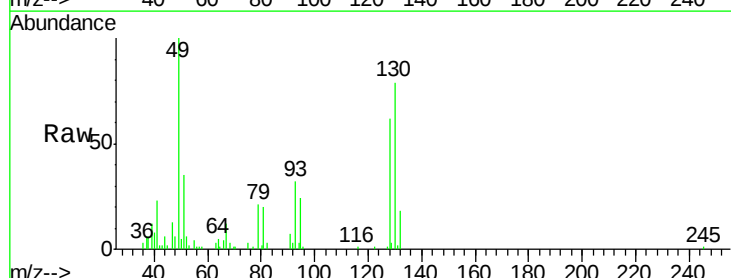
MMDadoda
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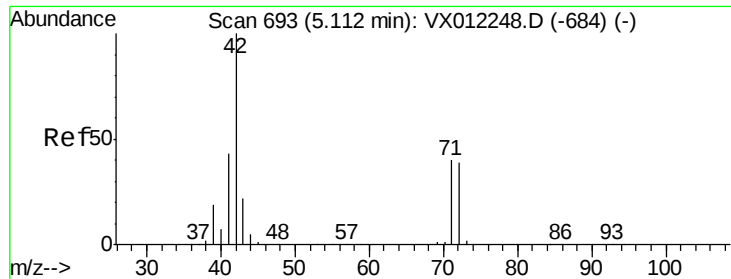


#28

Bromochloromethane
 Concen: 17.015 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. 0.01 min
 Lab File: VX012256.D
 Acq: 10 Sep 2019 15:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	21040		
129	2.4	0.0	5.2	
130	74.2	60.1	90.1	





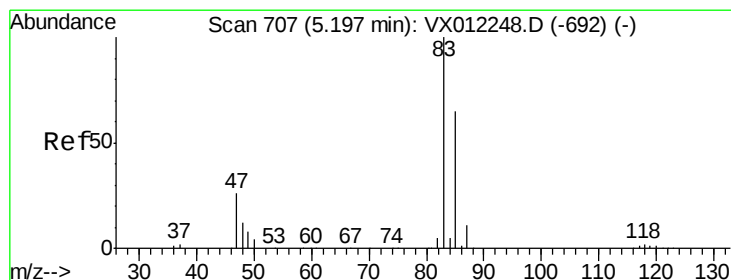
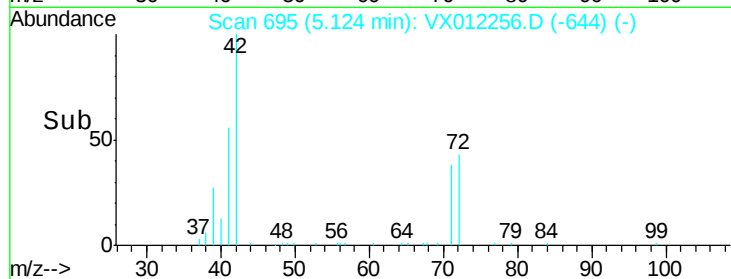
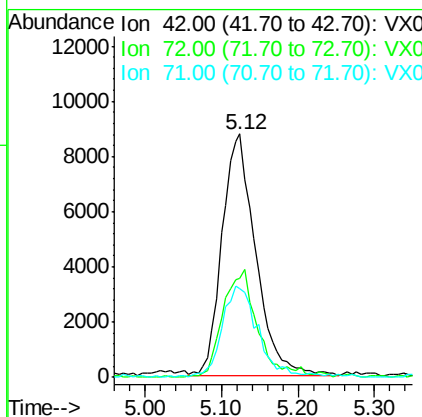
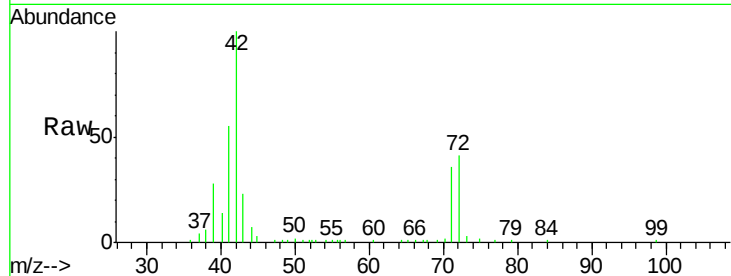
#29
Tetrahydrofuran
Concen: 82.413 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX012256.D
Acq: 10 Sep 2019 15:31

Instrument :
MSVOA_X
ClientSampleId :
VX0910SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	35.2	52.8
71	40.1	32.5	48.7

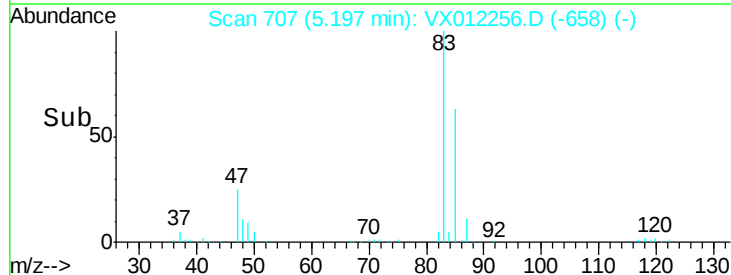
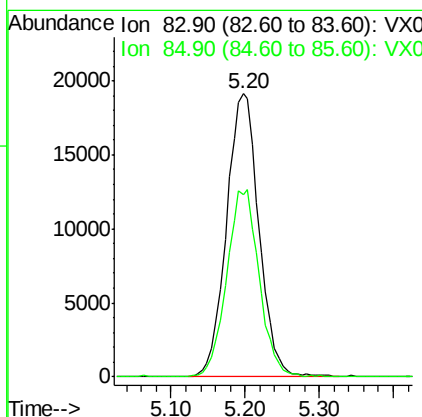
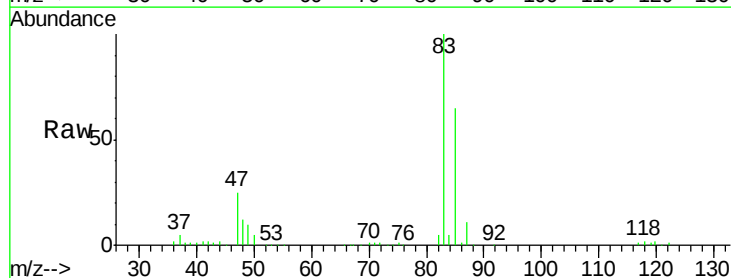
Manual Integrations
APPROVED

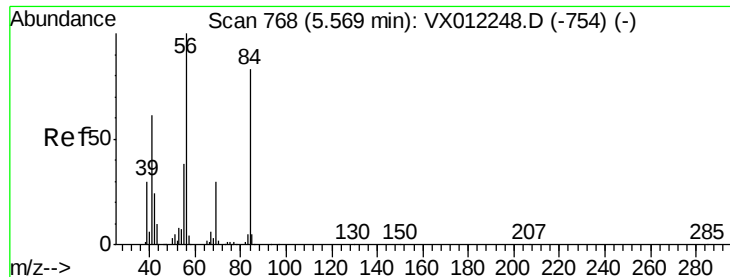
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#30
Chloroform
Concen: 19.597 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.00 min
Lab File: VX012256.D
Acq: 10 Sep 2019 15:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.3	78.5





#31

Cyclohexane

Concen: 21.310 ug/l

RT: 5.57 min Scan# 768

Delta R.T. -0.00 min

Lab File: VX012256.D

Acq: 10 Sep 2019 15:31

Instrument :

MSVOA_X

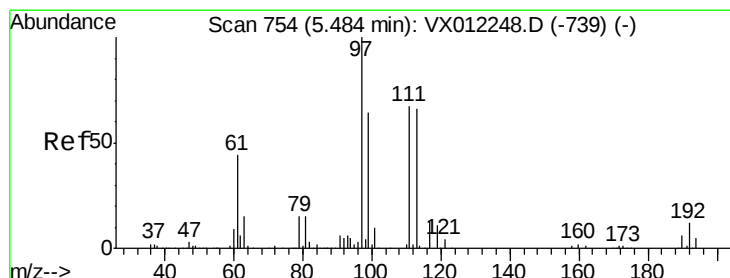
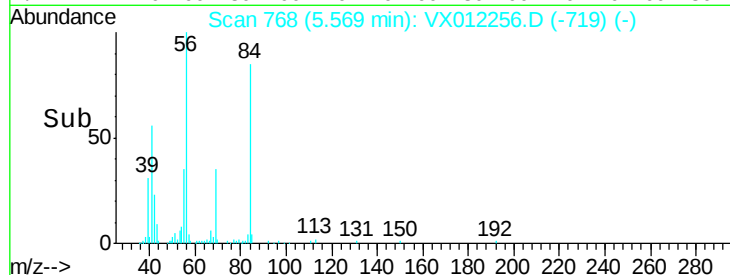
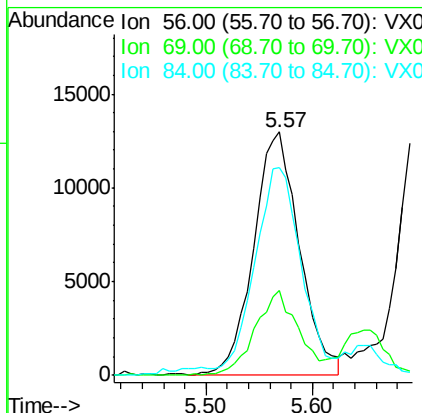
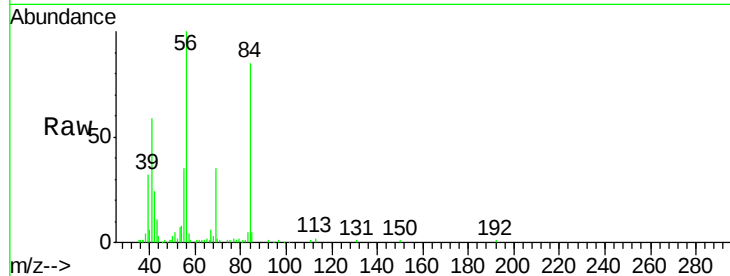
ClientSampleId :

VX0910SBS02

Tot Ion:	56	Resp:	39029
Ion	Ratio	Lower	Upper
56	100		
69	34.8	23.8	35.6
84	82.6	66.6	100.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.231 ug/l

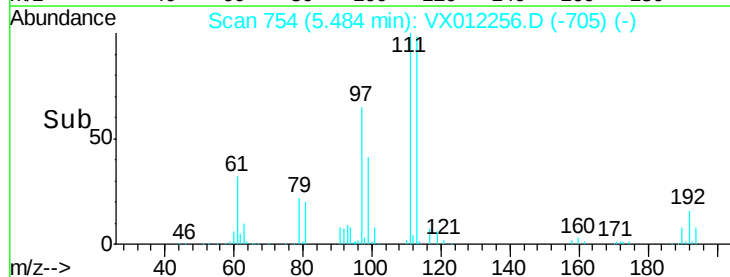
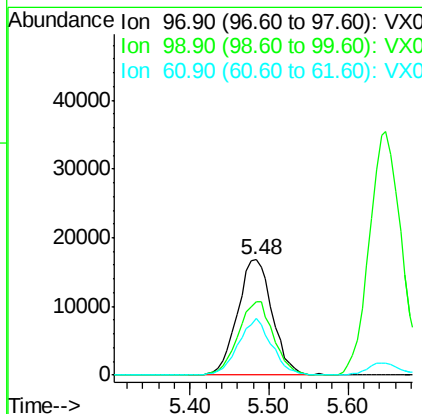
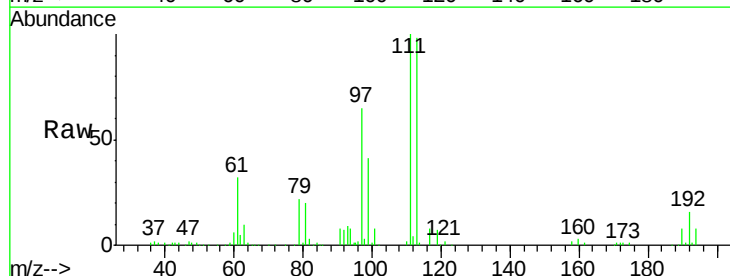
RT: 5.48 min Scan# 754

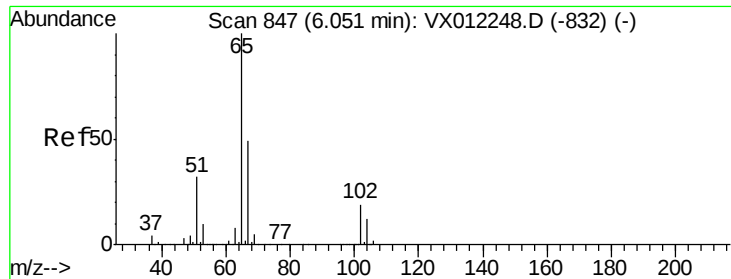
Delta R.T. -0.00 min

Lab File: VX012256.D

Acq: 10 Sep 2019 15:31

Tgt Ion:	97	Resp:	51647
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.3	76.9
61	46.5	35.4	53.0





#33

1,2-Dichloroethane-d4

Concen: 43.555 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012256.D

Acq: 10 Sep 2019 15:31

Instrument :

MSVOA_X

ClientSampleId :

VX0910SBS02

Tot Ion: 65 Resp: 85908

Ion Ratio Lower Upper

65 100

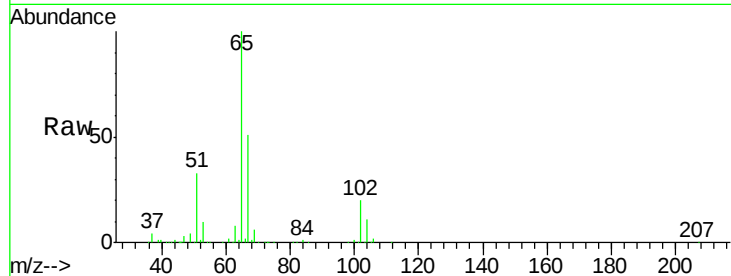
67 50.0 0.0 99.8

Manual Integrations

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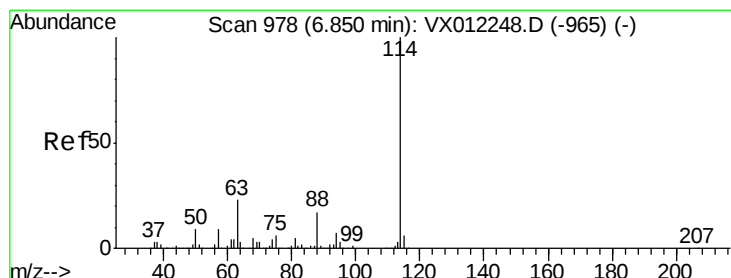
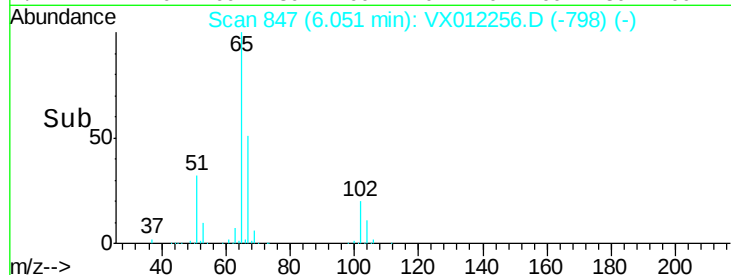
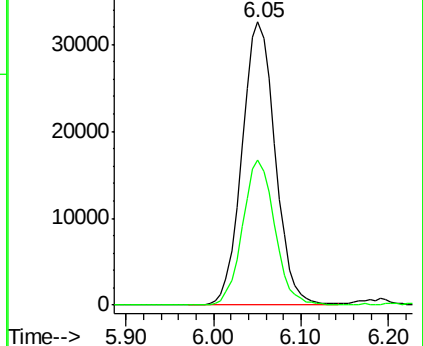
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012256.D

Acq: 10 Sep 2019 15:31

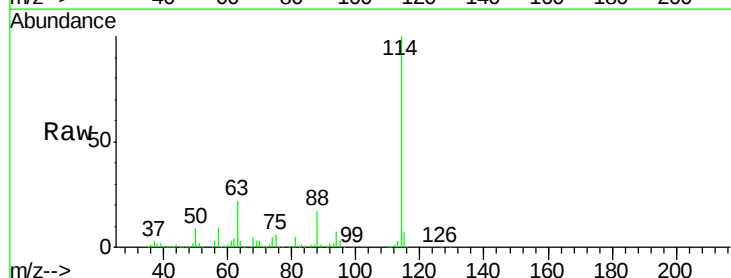
Tgt Ion: 114 Resp: 245668

Ion Ratio Lower Upper

114 100

63 21.5 0.0 45.2

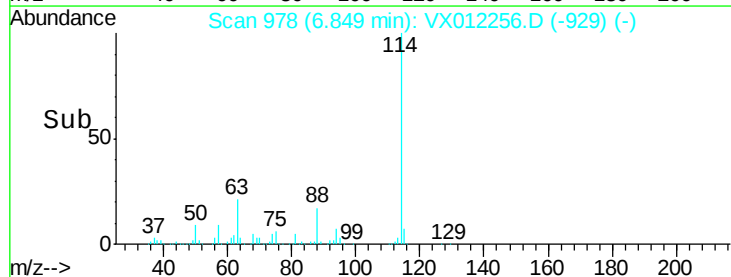
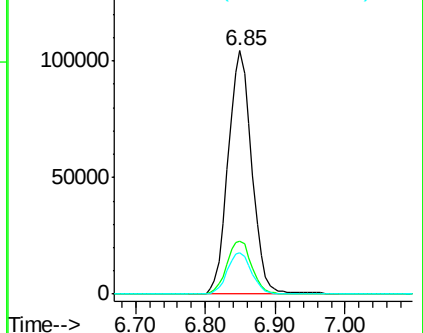
88 17.1 0.0 34.8

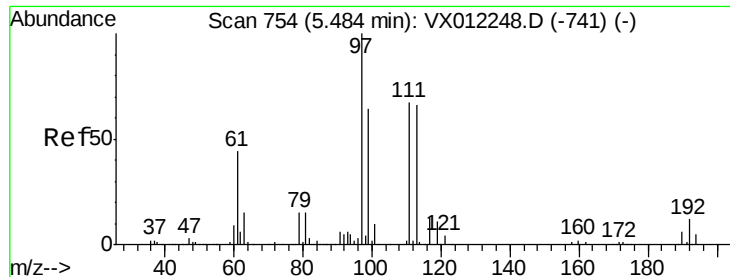


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 44.853 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012256.D

Acq: 10 Sep 2019 15:31

Instrument :

MSVOA_X

ClientSampleId :

VX0910SBS02

Tot Ion:113 Resp: 70636

Ion Ratio Lower Upper

113 100

111 104.3 83.0 124.6

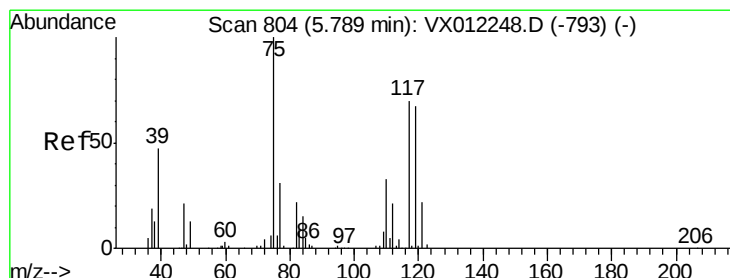
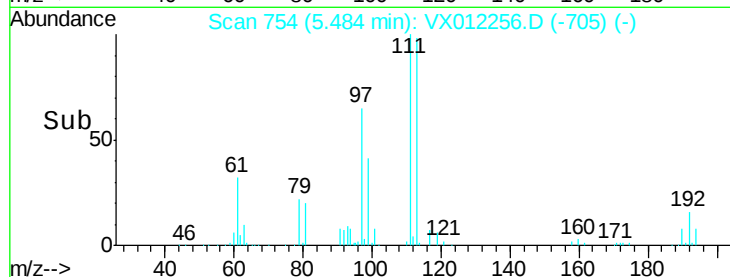
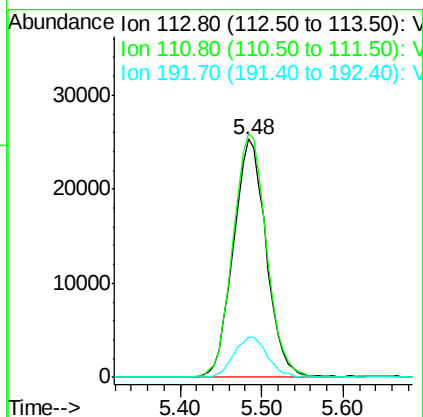
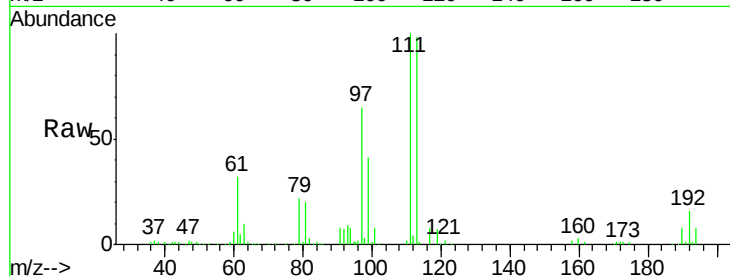
192 17.5 14.3 21.5

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#36

1,1-Dichloropropene

Concen: 21.814 ug/l

RT: 5.79 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX012256.D

Acq: 10 Sep 2019 15:31

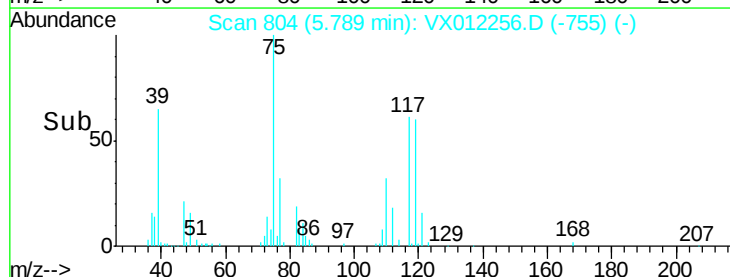
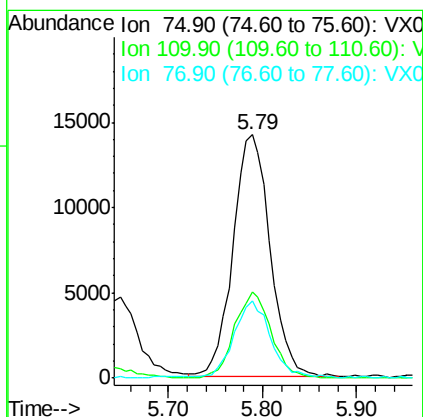
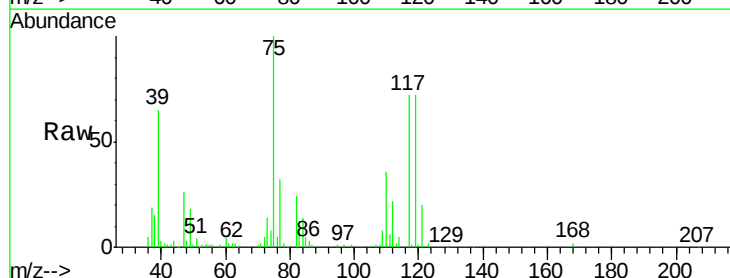
Tgt Ion: 75 Resp: 39076

Ion Ratio Lower Upper

75 100

110 35.0 16.8 50.4

77 30.7 24.5 36.7





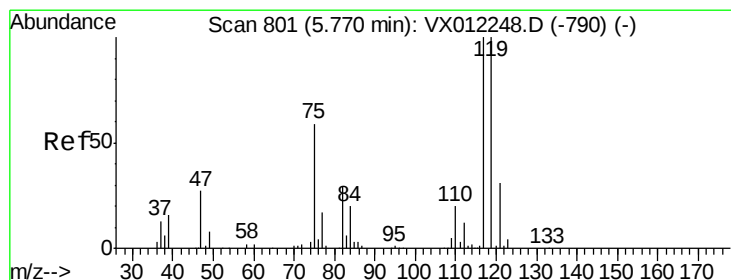
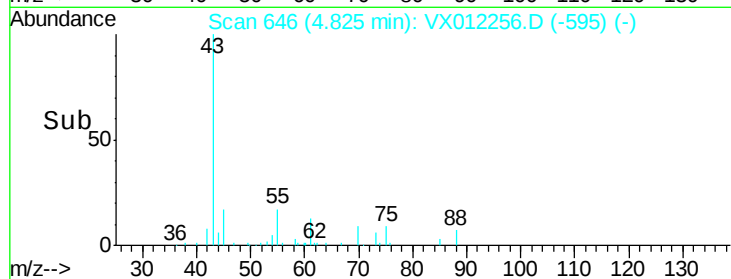
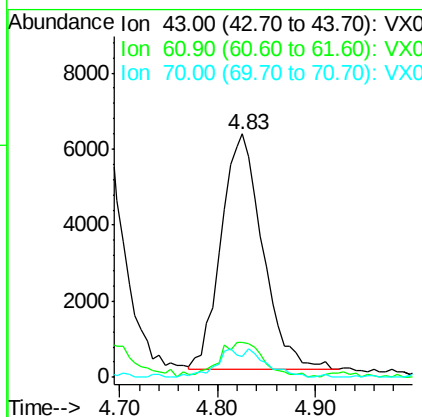
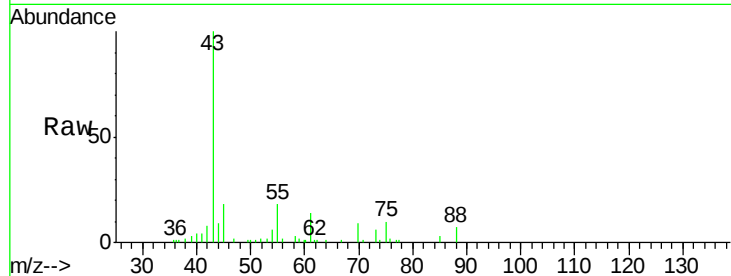
#37
Ethyl Acetate
Concen: 16.412 ug/l
RT: 4.83 min Scan# 646
Delta R.T. 0.01 min
Lab File: VX012256.D
Acq: 10 Sep 2019 15:31

Instrument :
MSVOA_X
ClientSampleId :
VX0910SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.3	10.3	15.5#
70	7.5	9.1	13.7#

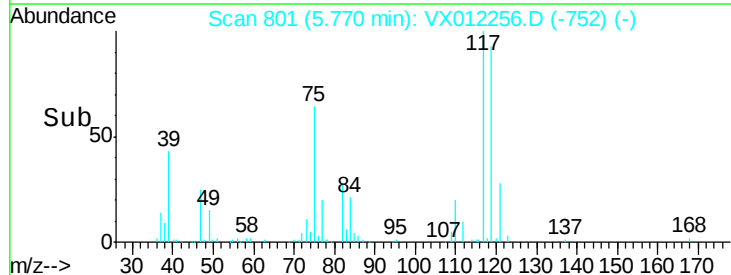
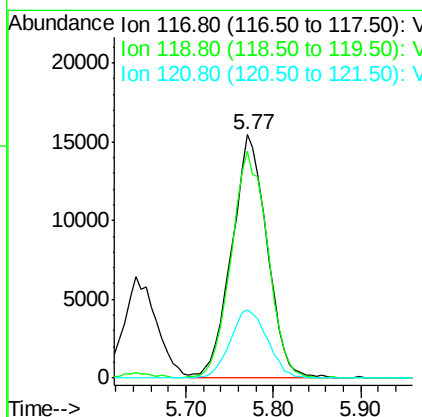
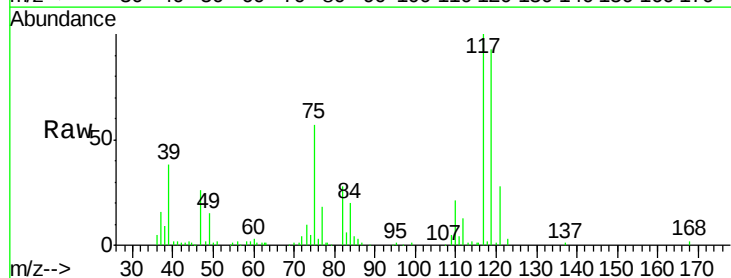
Manual Integrations
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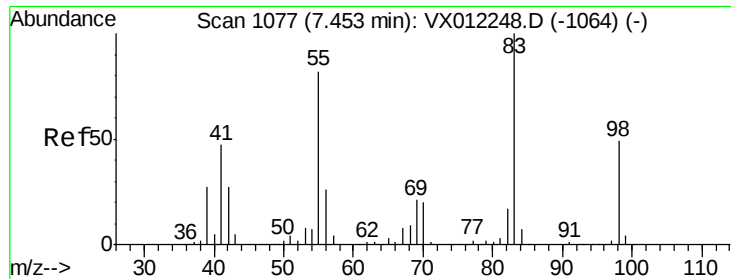
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#38
Carbon Tetrachloride
Concen: 20.707 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX012256.D
Acq: 10 Sep 2019 15:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.8	79.6	119.4
121	27.9	24.7	37.1





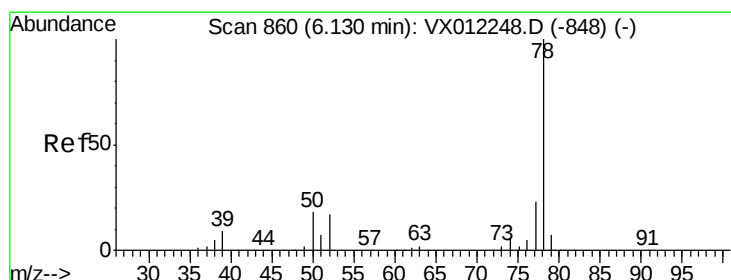
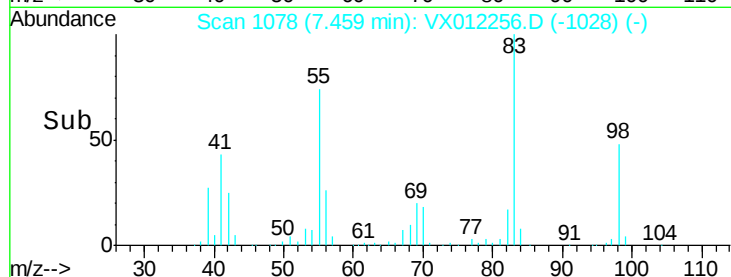
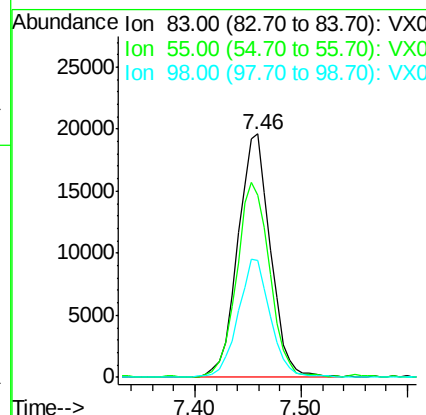
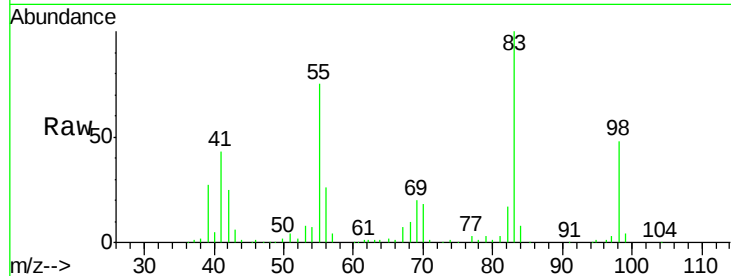
#39
Methvlcvclohexane
Concen: 21.437 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VX012256.D
Acq: 10 Sep 2019 15:31

Instrument :
MSVOA_X
ClientSampleId :
VX0910SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.6	65.4	98.2
98	48.0	39.6	59.4

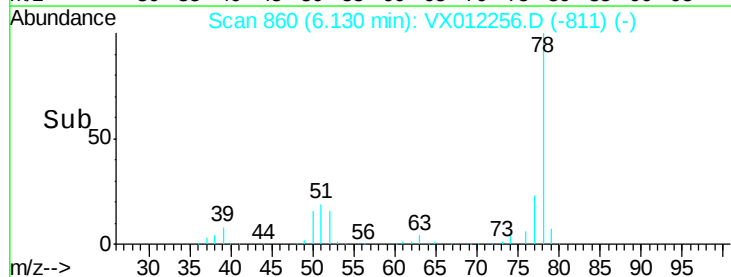
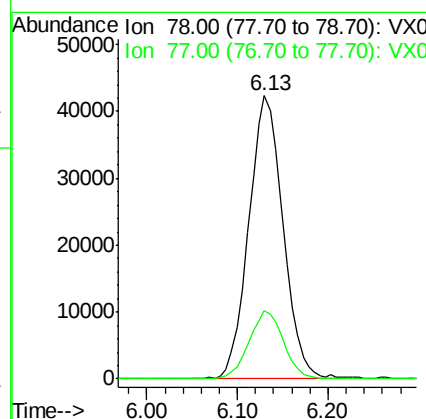
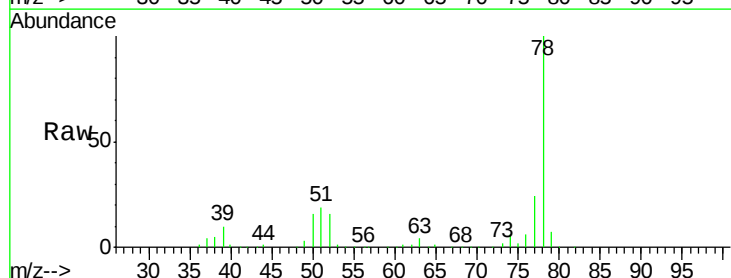
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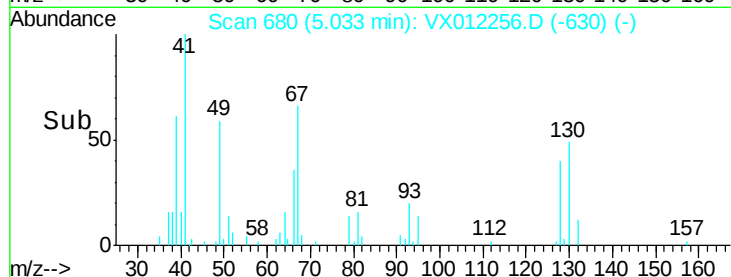
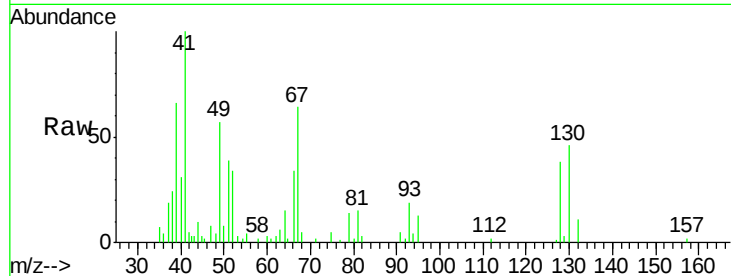
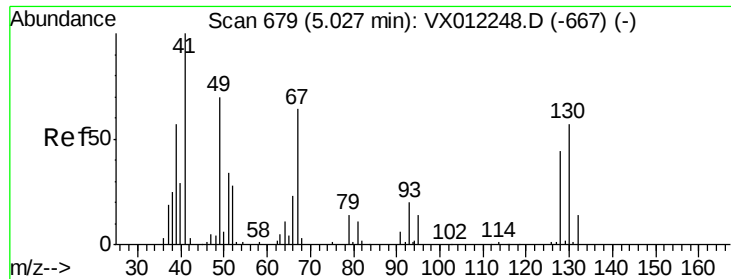
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#40
Benzene
Concen: 20.470 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012256.D
Acq: 10 Sep 2019 15:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.0	27.0





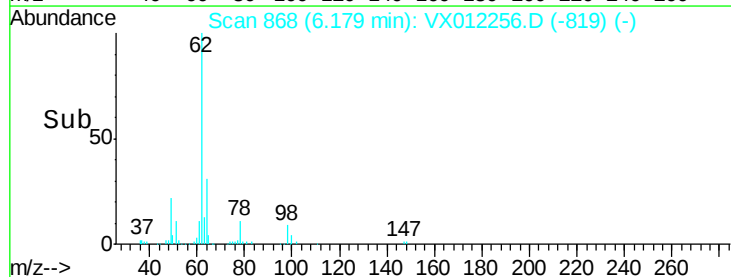
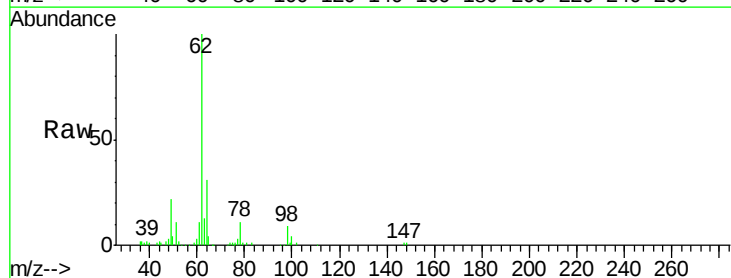
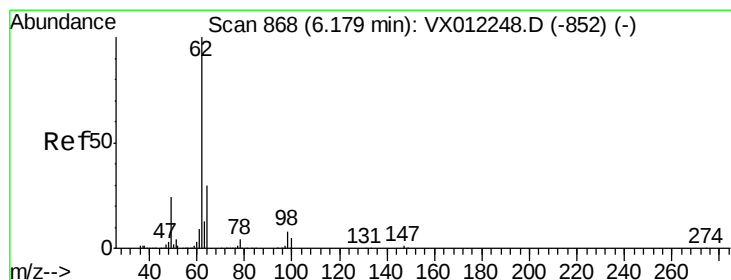
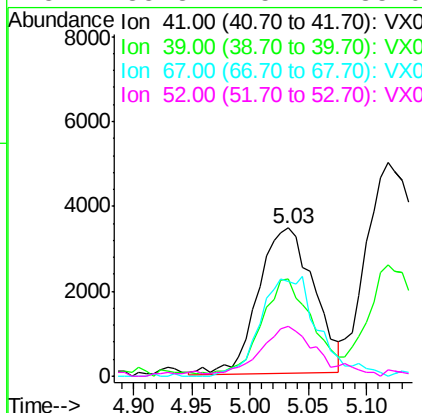
#41
Methacrylonitrile
Concen: 16.654 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX012256.D
Acq: 10 Sep 2019 15:31

Tot Ion:	41	Resp:	11369
Ion	Ratio	Lower	Upper
41	100		
39	57.1	49.0	73.4
67	70.0	55.0	82.4
52	35.3	25.4	38.0

Instrument :
MSVOA_X
ClientSampleId :
VX0910SBS02

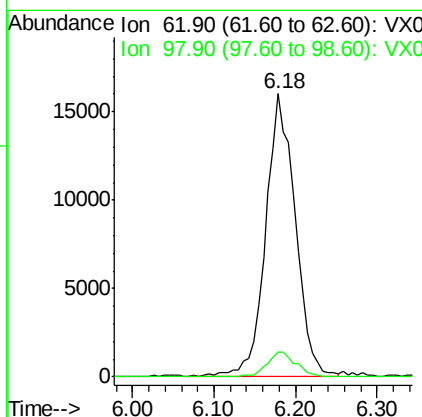
Manual Integrations
APPROVED

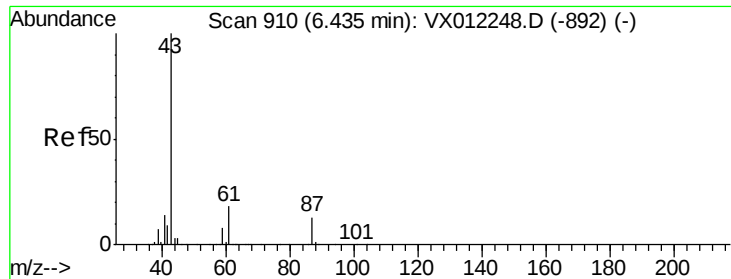
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9/12/2019 8:59:57 AM



#42
1,2-Dichloroethane
Concen: 18.621 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX012256.D
Acq: 10 Sep 2019 15:31

Tgt Ion:	62	Resp:	39901
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.2





#43

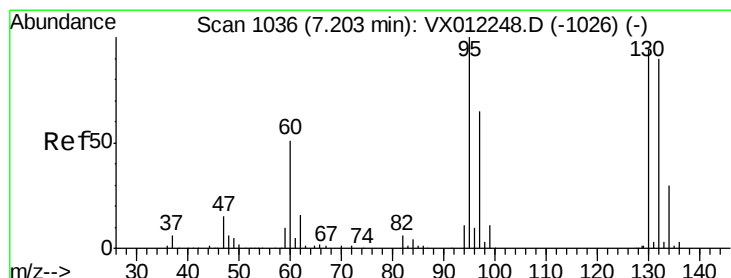
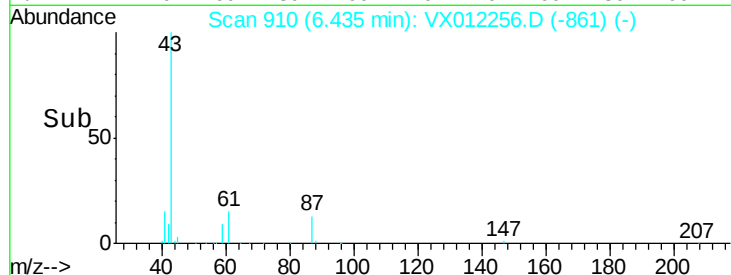
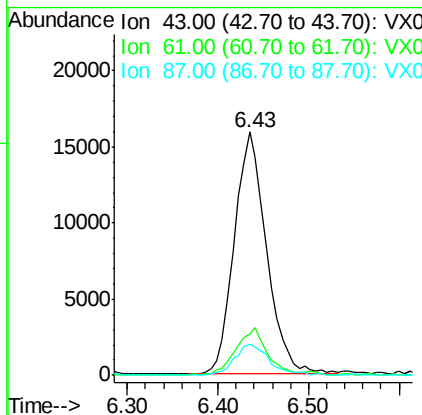
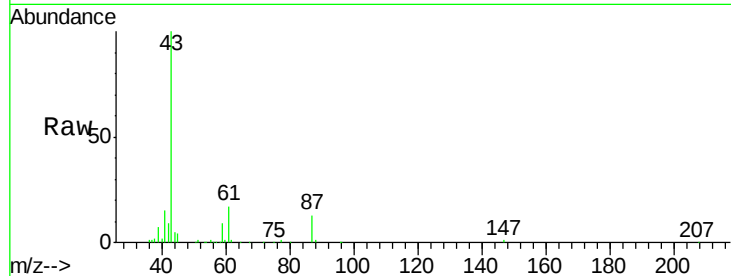
Isopropyl Acetate
 Concen: 16.796 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: VX012256.D
 Acq: 10 Sep 2019 15:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.4	23.2
87	13.8	10.5	15.7

Manual Integrations
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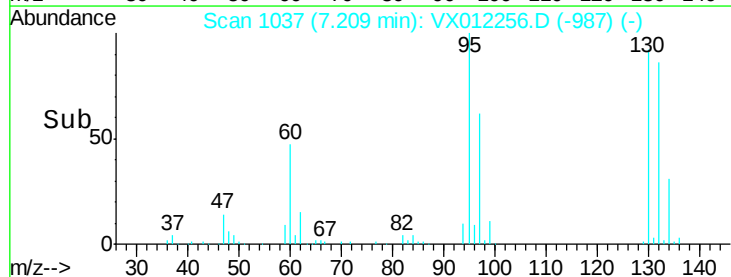
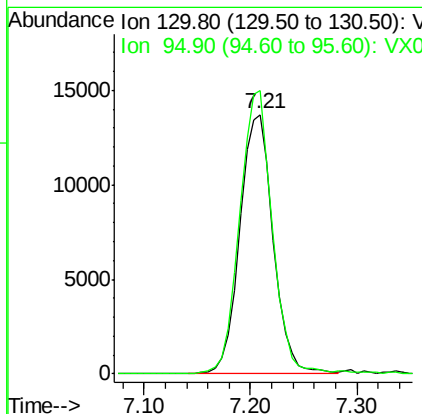
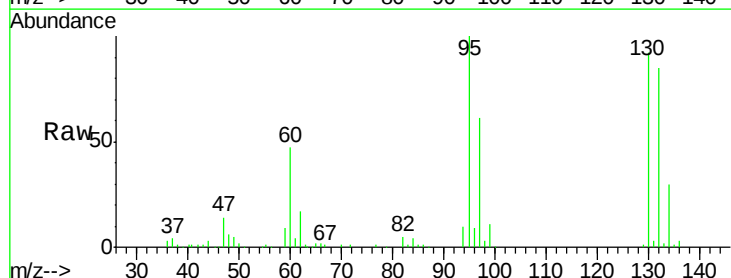
MMDadoda
 9/12/2019 8:59:57 AM

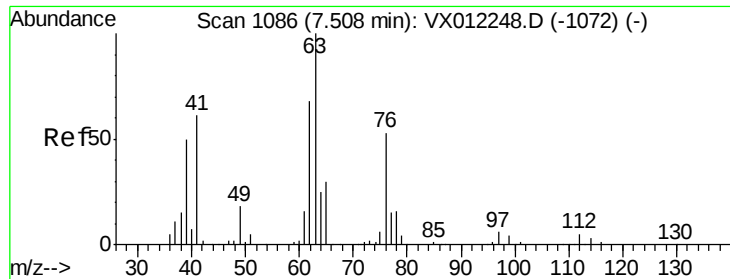


#44

Trichloroethene
 Concen: 20.582 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VX012256.D
 Acq: 10 Sep 2019 15:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	109.1	0.0	212.0





#45

1,2-Dichloropropane

Concen: 19.801 ug/l

RT: 7.50 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX012256.D

Acq: 10 Sep 2019 15:31

Instrument :

MSVOA_X

ClientSampleId :

VX0910SBS02

Tot Ion: 63 Resp: 29715

Ion Ratio Lower Upper

63 100

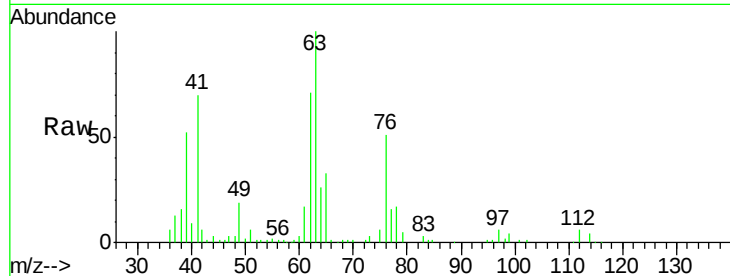
65 33.3 24.3 36.5

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

15000

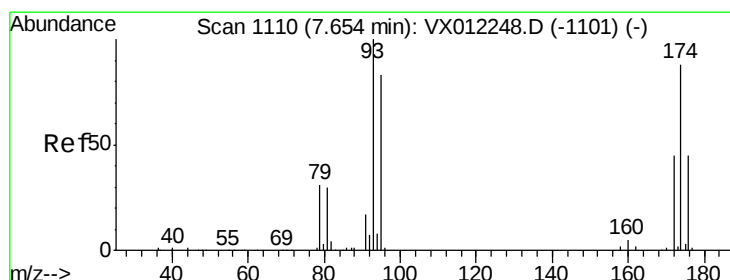
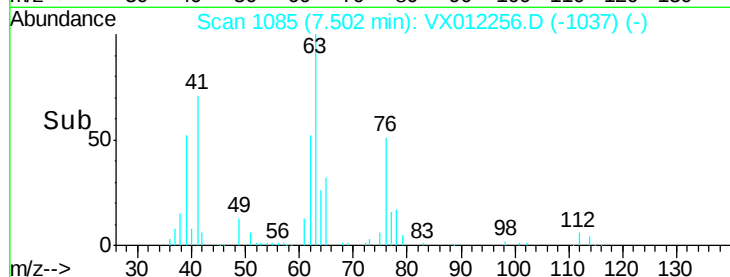
10000

5000

0

7.40 7.50 7.60

Time-->



#46

Dibromomethane

Concen: 18.414 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX012256.D

Acq: 10 Sep 2019 15:31

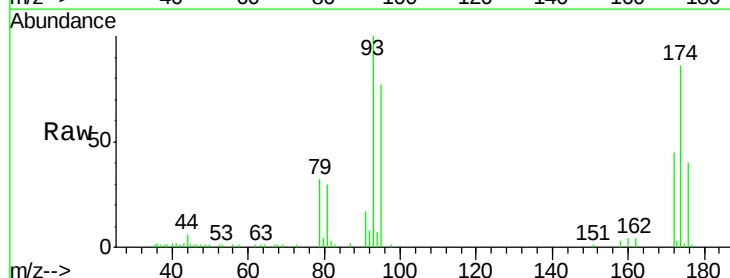
Tgt Ion: 93 Resp: 15103

Ion Ratio Lower Upper

93 100

95 80.2 65.7 98.5

174 90.7 71.0 106.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

10000

8000

6000

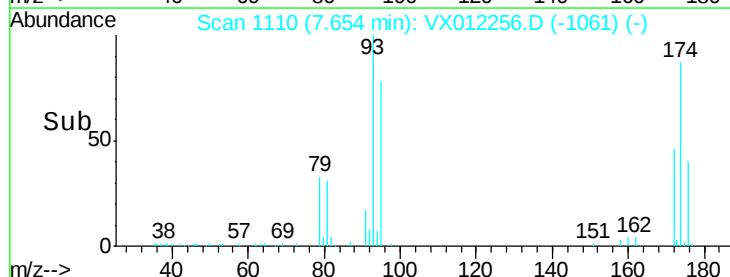
4000

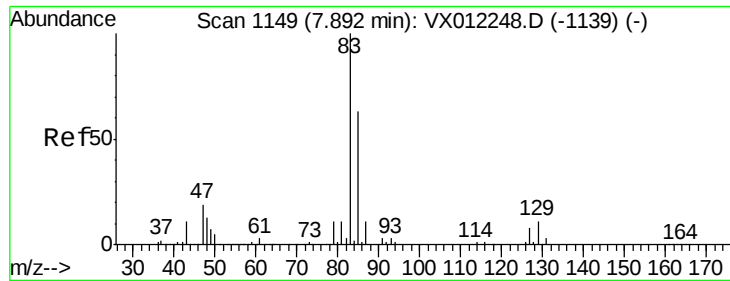
2000

0

7.55 7.60 7.65 7.70 7.75

Time-->





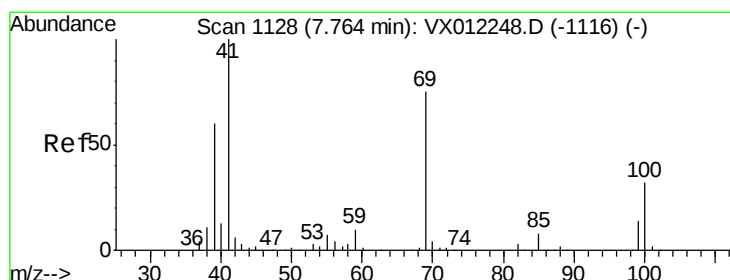
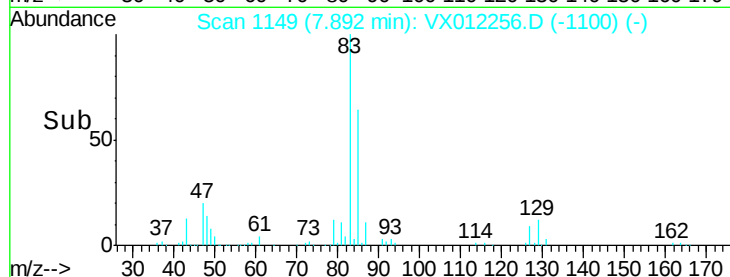
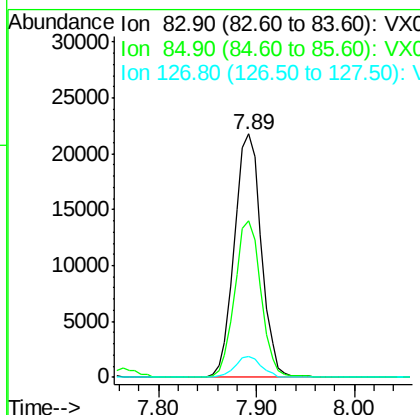
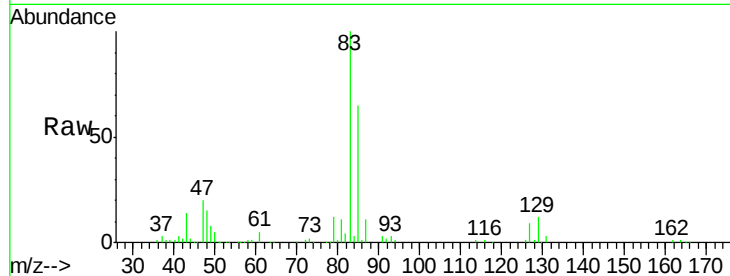
#47
Bromodichloromethane
Concen: 18.604 ug/l
RT: 7.89 min Scan# 1149
Delta R.T. -0.00 min
Lab File: VX012256.D
Acq: 10 Sep 2019 15:31

Instrument :
MSVOA_X
ClientSampleId :
VX0910SBS02

Tot Ion	83	Resp	41640
Ion Ratio	100	Lower	Upper
83	100		
85	64.5	50.2	75.4
127	8.8	6.3	9.5

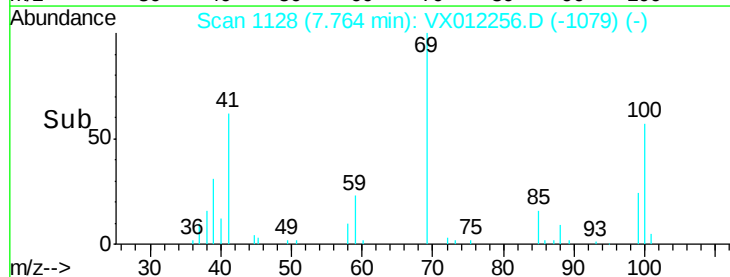
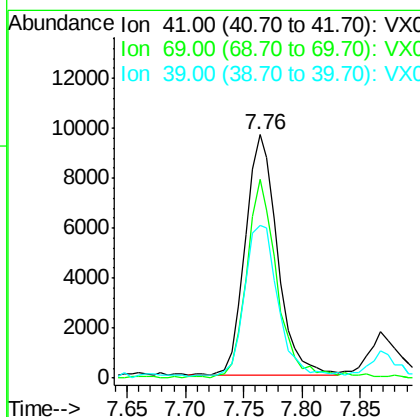
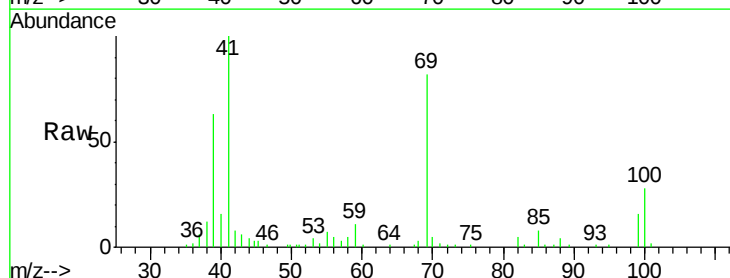
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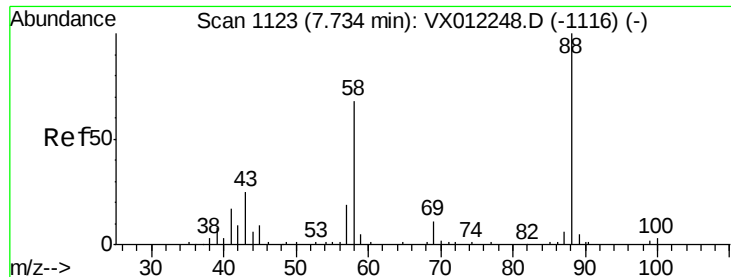
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#48
Methyl methacrylate
Concen: 16.599 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX012256.D
Acq: 10 Sep 2019 15:31

Tgt Ion	41	Resp	18549
Ion Ratio	100	Lower	Upper
41	100		
69	80.2	61.8	92.6
39	66.0	48.6	73.0





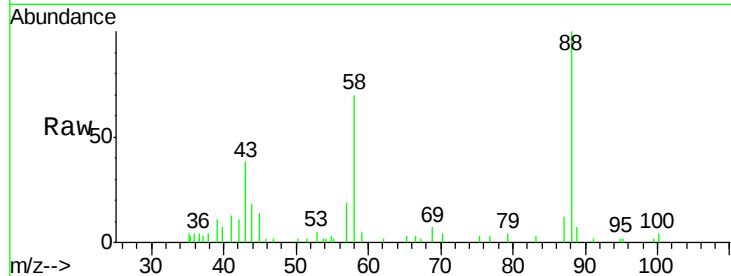
#49
1,4-Dioxane
Concen: 325.220 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX012256.D
Acq: 10 Sep 2019 15:31

Instrument :
MSVOA_X
ClientSampleId :
VX0910SBS02

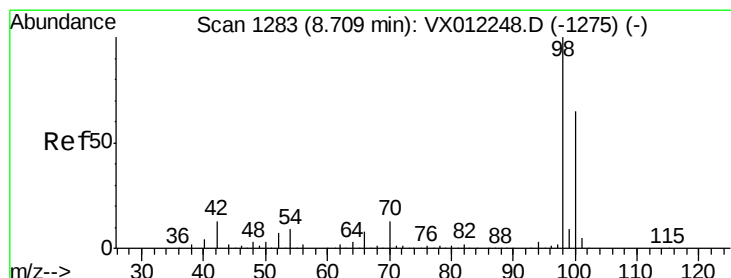
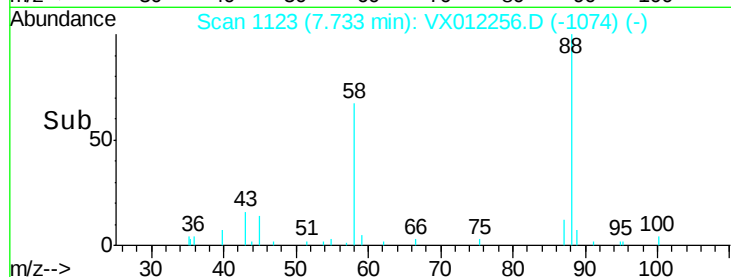
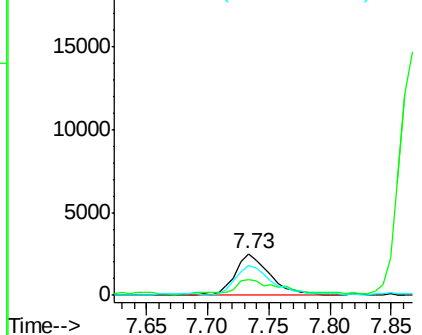
Tot Ion	Ratio	Lower	Upper
88	100		
43	44.0	31.0	46.4
58	70.2	61.5	92.3

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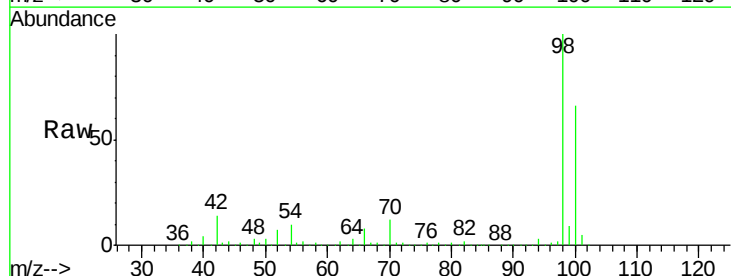


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

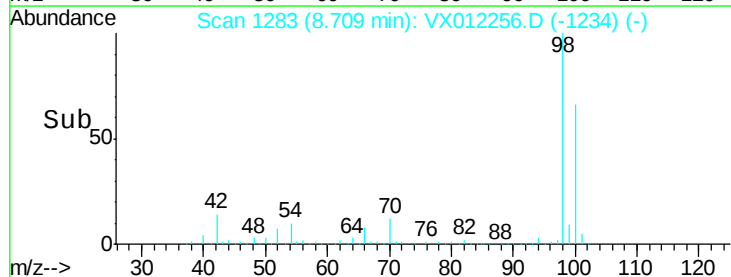
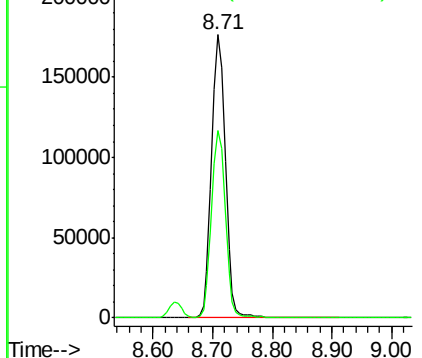


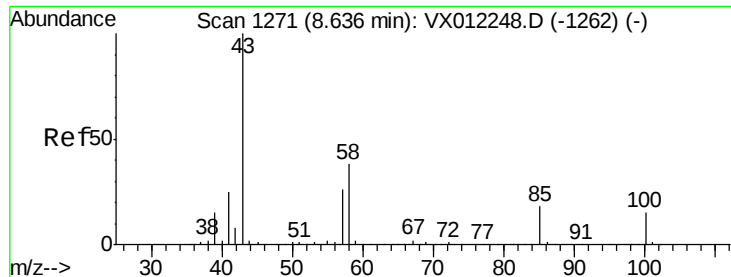
#50
Toluene-d8
Concen: 51.038 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012256.D
Acq: 10 Sep 2019 15:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	54.1	81.1



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 81.362 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012256.D

Acq: 10 Sep 2019 15:31

Instrument :

MSVOA_X

ClientSampleId :

VX0910SBS02

Tot Ion: 43 Resp: 100250

Ion Ratio Lower Upper

43 100

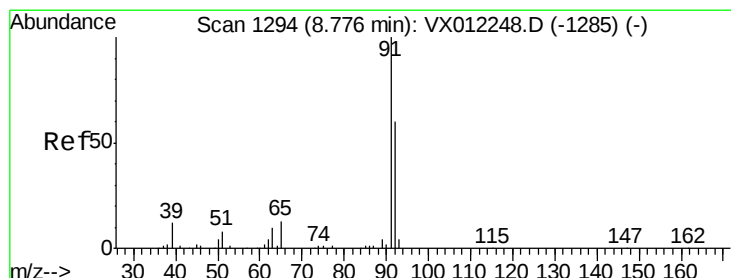
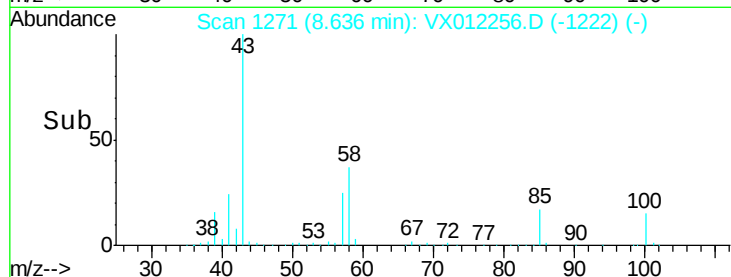
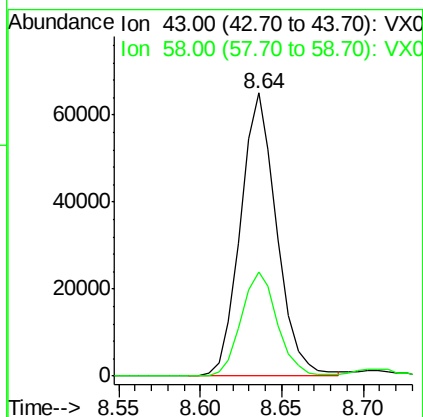
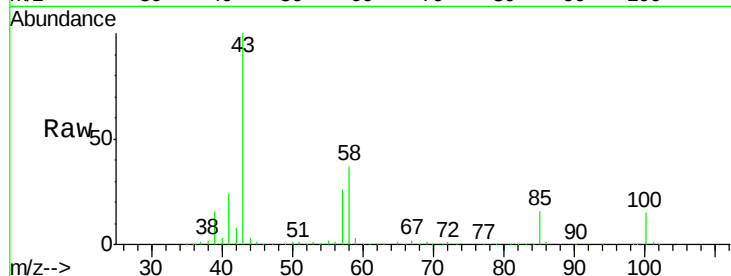
58 36.9 30.1 45.1

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#52

Toluene

Concen: 20.426 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX012256.D

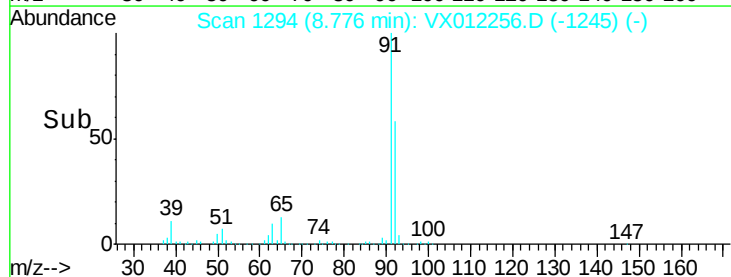
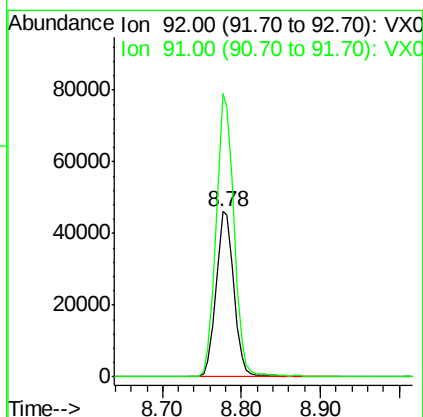
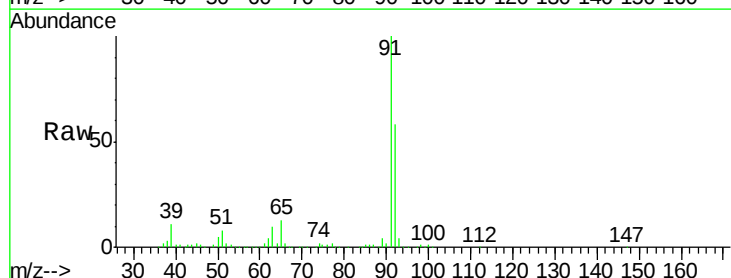
Acq: 10 Sep 2019 15:31

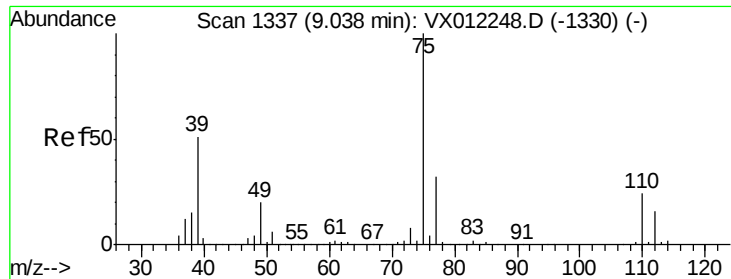
Tgt Ion: 92 Resp: 73146

Ion Ratio Lower Upper

92 100

91 171.1 133.6 200.4





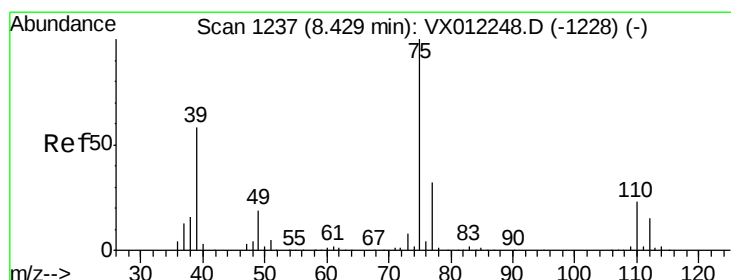
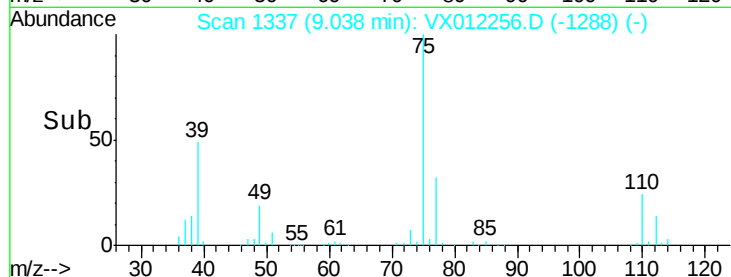
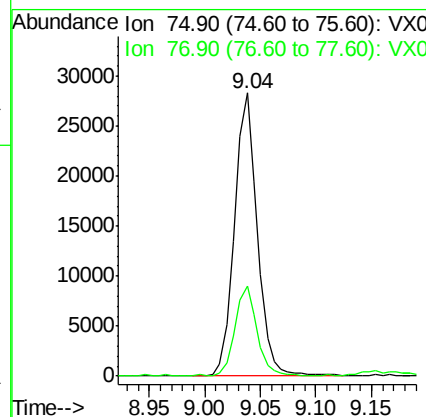
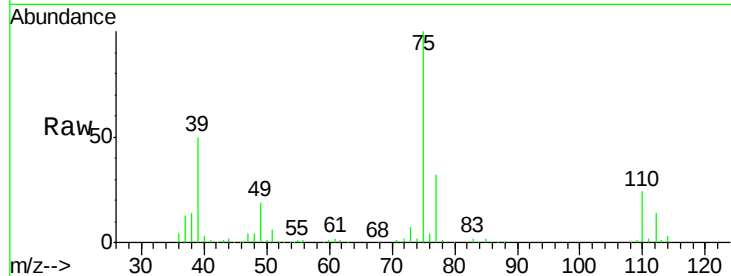
#53
t-1,3-Dichloropropene
Concen: 17.969 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX012256.D
Acq: 10 Sep 2019 15:31

Instrument :
MSVOA_X
ClientSampleId :
VX0910SBS02

Tot Ion: 75 Resp: 40142
Ion Ratio Lower Upper
75 100
77 31.7 25.8 38.6

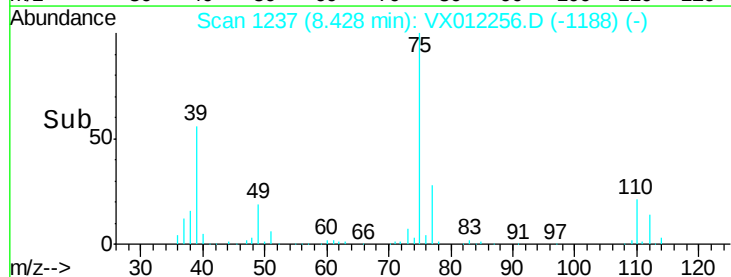
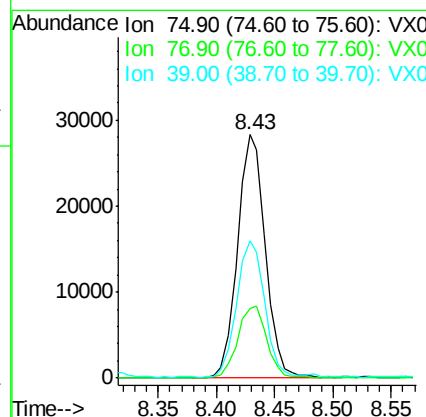
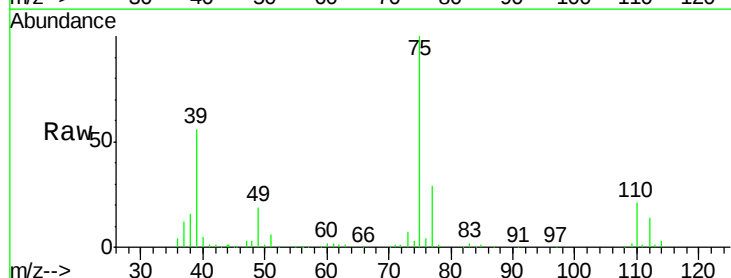
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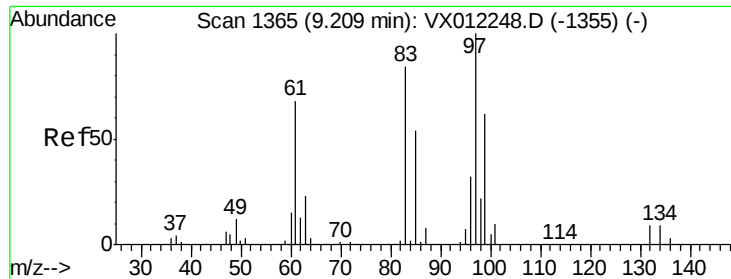
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9/12/2019 8:59:57 AM



#54
cis-1,3-Dichloropropene
Concen: 19.051 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX012256.D
Acq: 10 Sep 2019 15:31

Tgt Ion: 75 Resp: 47194
Ion Ratio Lower Upper
75 100
77 28.7 25.4 38.2
39 56.0 46.5 69.7





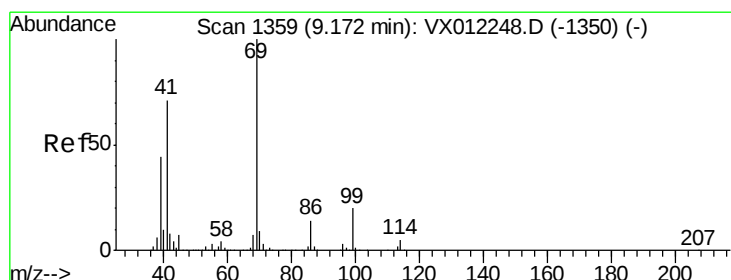
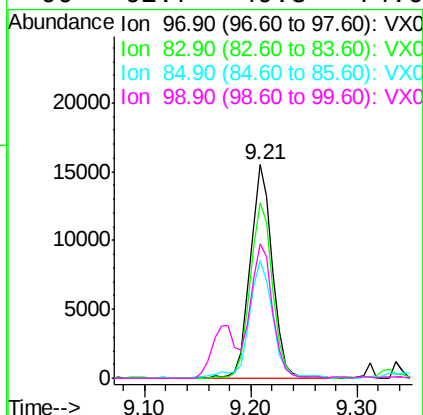
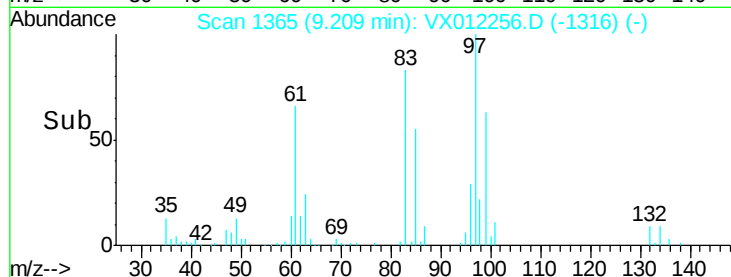
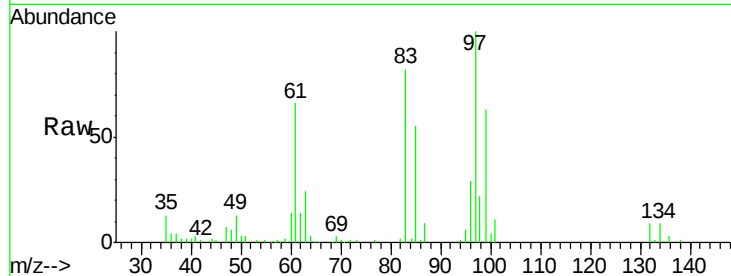
#55
 1,1,2-Trichloroethane
 Concen: 17.880 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012256.D
 Acq: 10 Sep 2019 15:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910SBS02

Tot Ion:	97	Resp:	22720
Ion	Ratio	Lower	Upper
97	100		
83	82.3	67.4	101.2
85	55.2	43.4	65.2
99	62.7	49.8	74.6

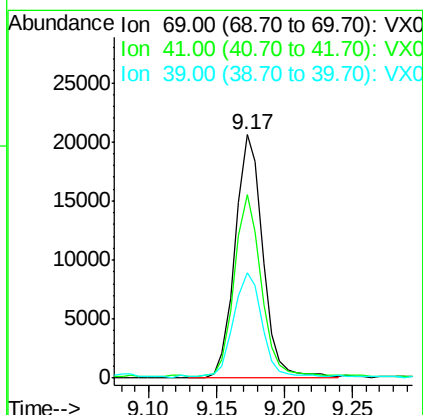
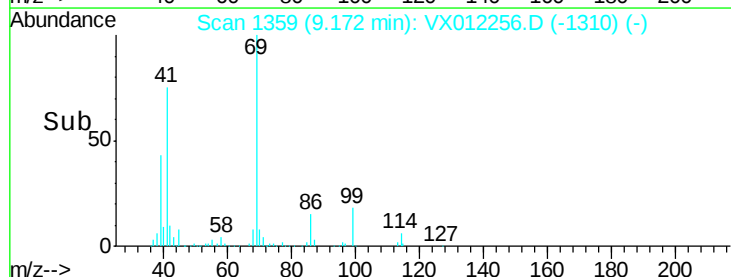
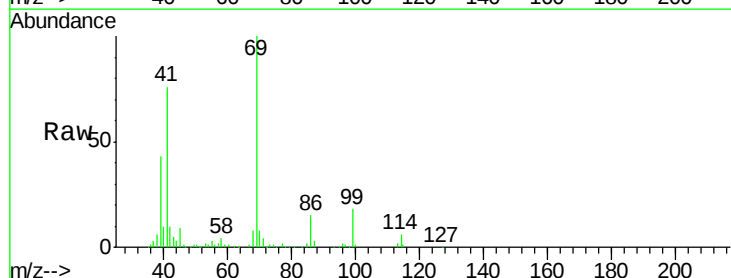
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#56
 Ethyl methacrylate
 Concen: 17.115 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012256.D
 Acq: 10 Sep 2019 15:31

Tgt Ion:	69	Resp:	29446
Ion	Ratio	Lower	Upper
69	100		
41	73.1	57.7	86.5
39	44.7	34.0	51.0





#57

1,3-Dichloropropane

Concen: 18.334 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX012256.D

Acq: 10 Sep 2019 15:31

Instrument :

MSVOA_X

ClientSampleId :

VX0910SBS02

Tot Ion: 76 Resp: 39788

Ion Ratio Lower Upper

76 100

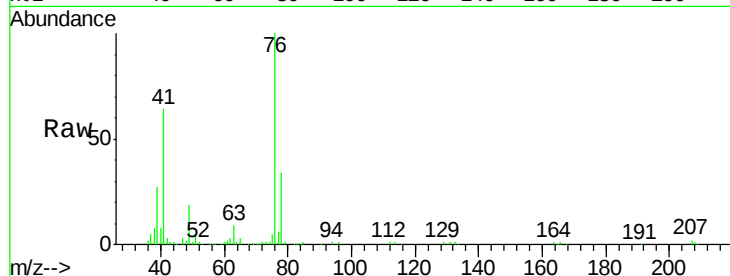
78 33.5 26.0 39.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

30000

25000

20000

15000

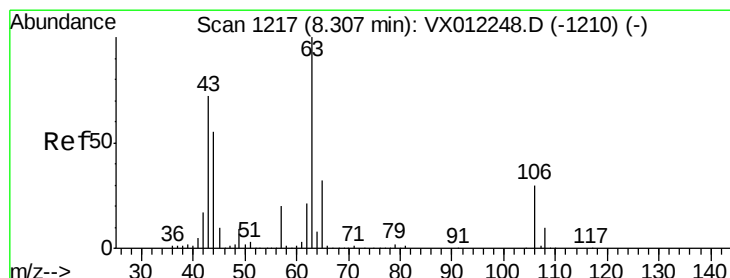
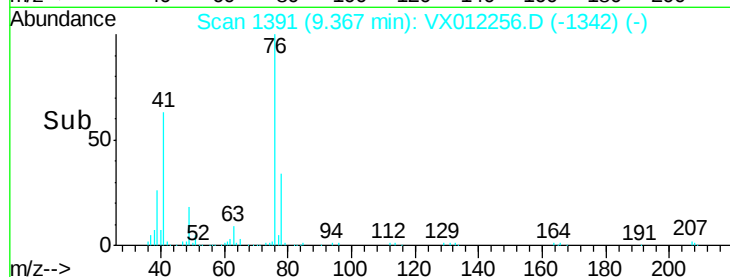
10000

5000

0

9.25 9.30 9.35 9.40 9.45

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 82.020 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX012256.D

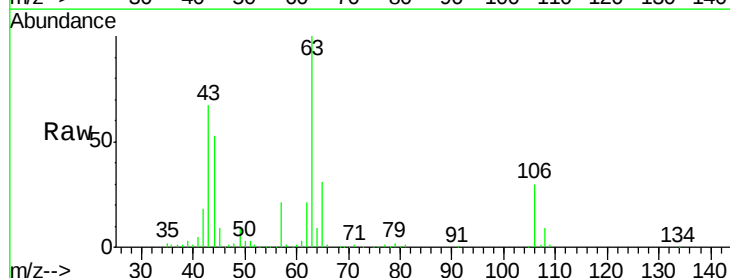
Acq: 10 Sep 2019 15:31

Tgt Ion: 63 Resp: 72324

Ion Ratio Lower Upper

63 100

106 29.9 23.4 35.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

50000

40000

30000

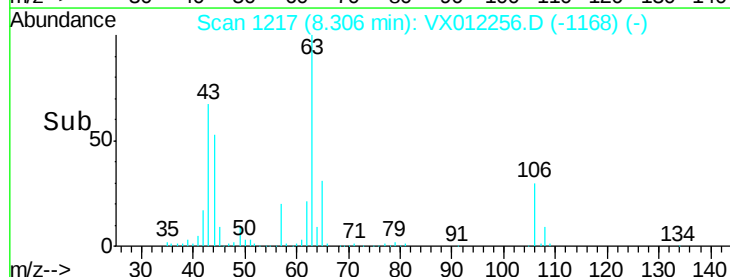
20000

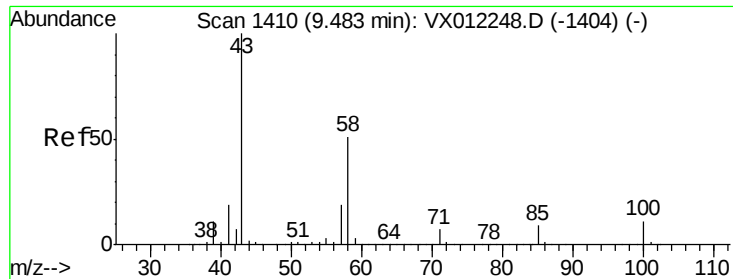
10000

0

8.20 8.25 8.30 8.35 8.40

Time-->





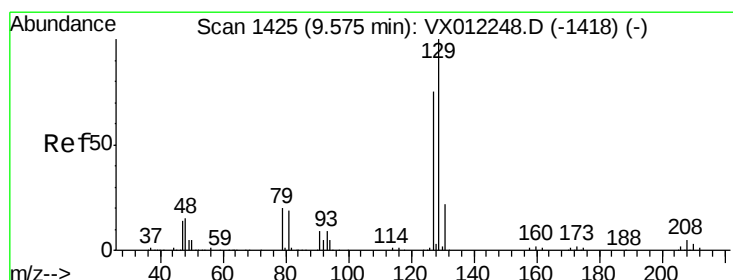
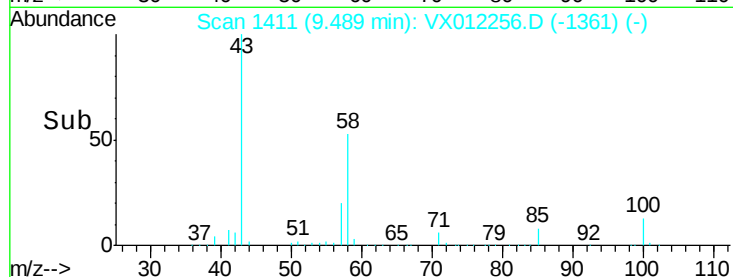
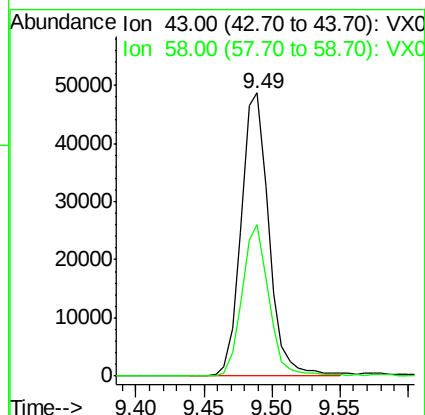
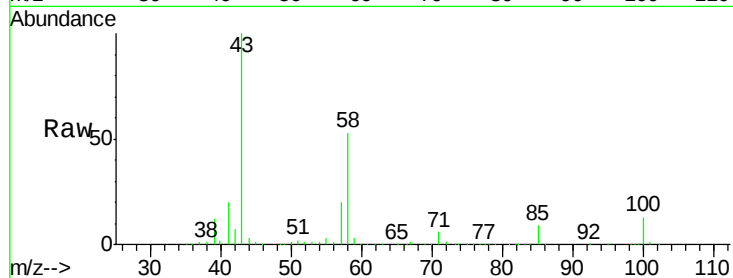
#59
2-Hexanone
Concen: 80.099 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX012256.D
Acq: 10 Sep 2019 15:31

Instrument :
MSVOA_X
ClientSampleId :
VX0910SBS02

Tot Ion: 43 Resp: 68622
Ion Ratio Lower Upper
43 100
58 52.2 25.8 77.3

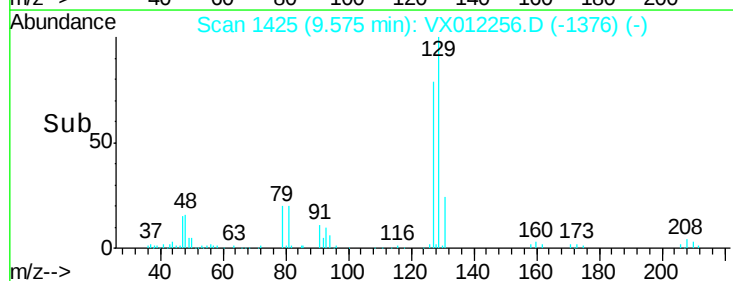
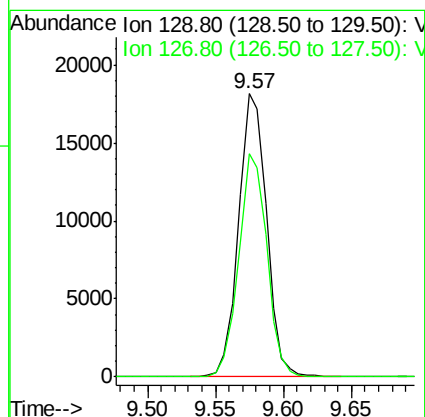
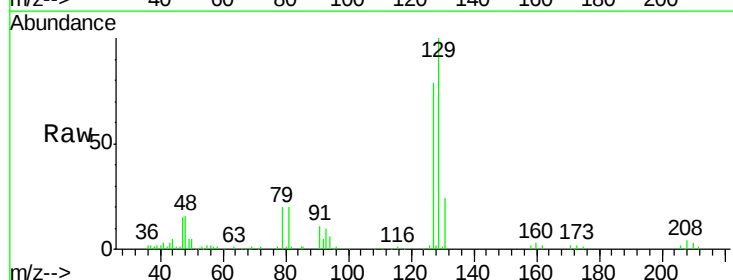
Manual Integrations
APPROVED

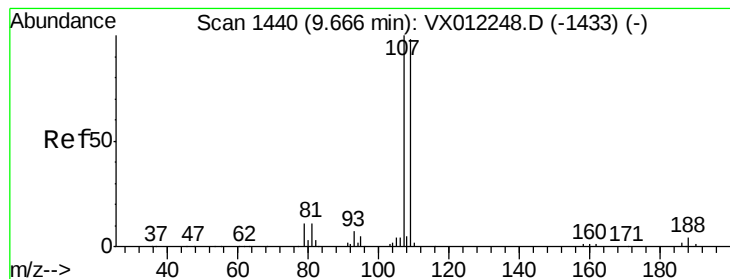
MMDadoda
9/12/2019 8:59:57 AM



#60
Dibromochloromethane
Concen: 17.543 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX012256.D
Acq: 10 Sep 2019 15:31

Tgt Ion: 129 Resp: 26023
Ion Ratio Lower Upper
129 100
127 79.2 38.1 114.3





#61

1,2-Dibromoethane

Concen: 17.374 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012256.D

Acq: 10 Sep 2019 15:31

Instrument :

MSVOA_X

ClientSampleId :

VX0910SBS02

Tot Ion:107 Resp: 20550

Ion Ratio Lower Upper

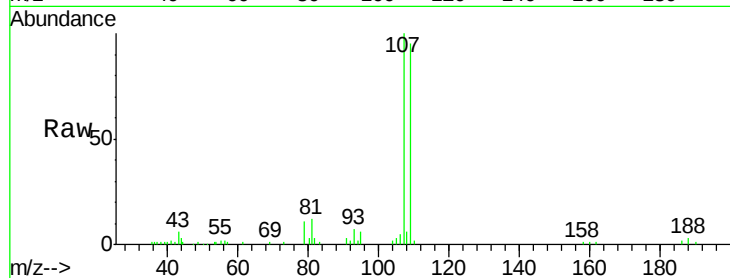
107 100

109 96.6 76.3 114.5

Manual Integrations
APPROVED

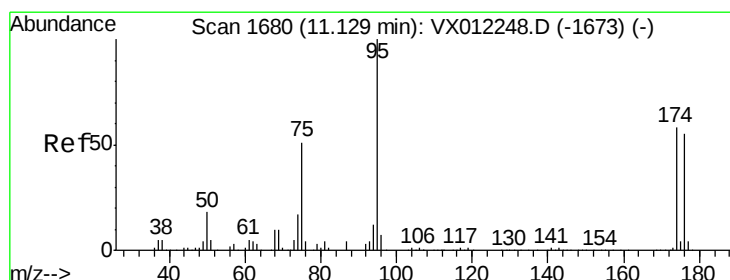
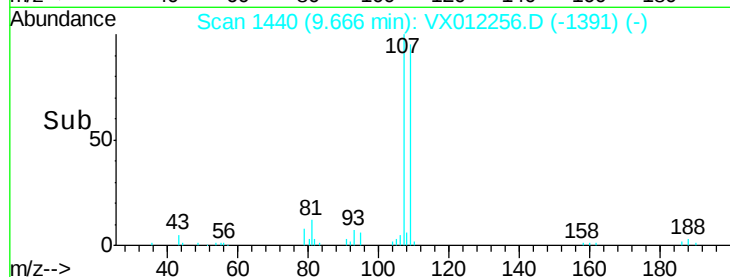
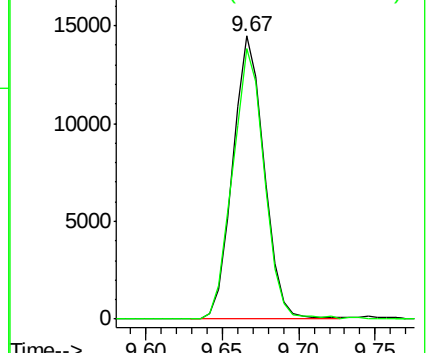
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 44.245 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX012256.D

Acq: 10 Sep 2019 15:31

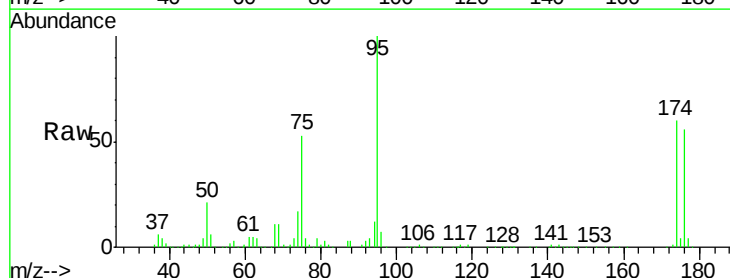
Tgt Ion: 95 Resp: 113299

Ion Ratio Lower Upper

95 100

174 66.7 0.0 127.0

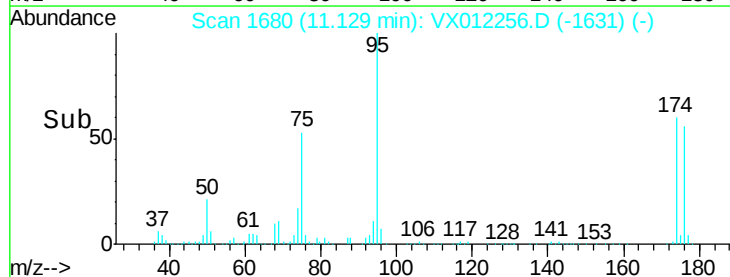
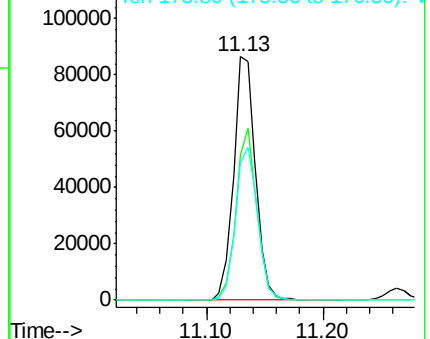
176 63.2 0.0 125.8

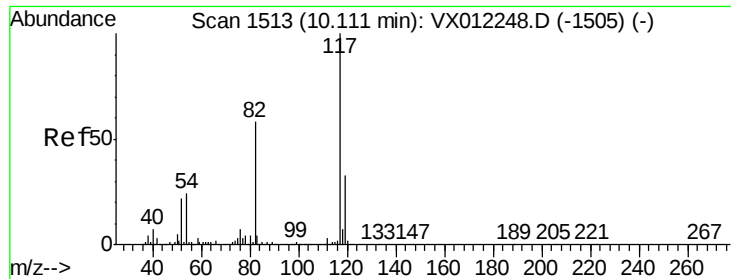


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





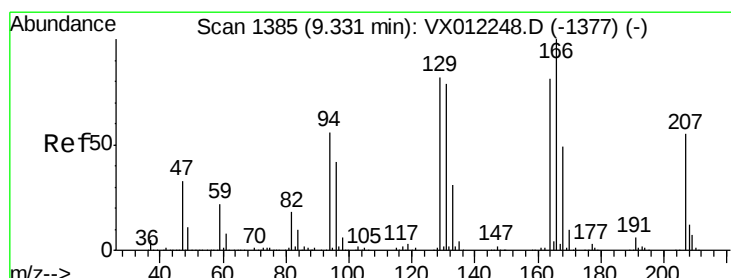
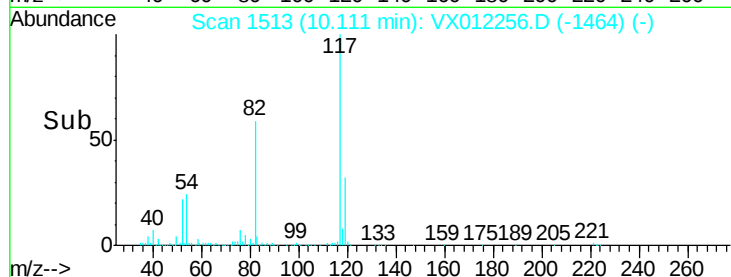
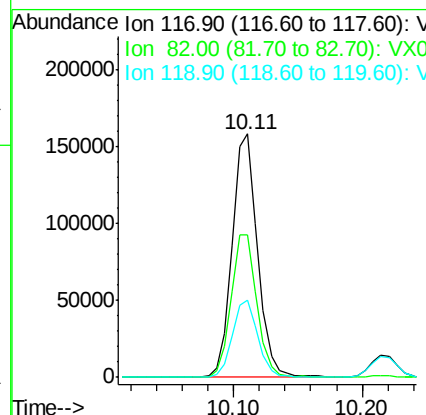
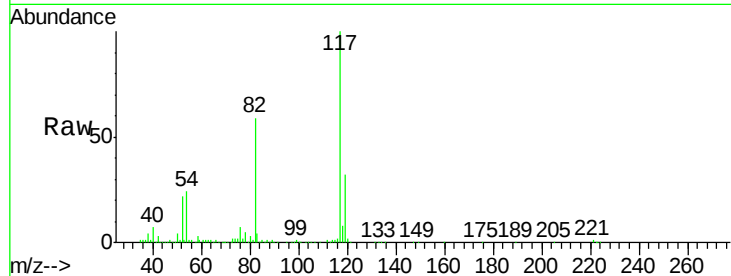
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012256.D
Acq: 10 Sep 2019 15:31

Instrument :
MSVOA_X
ClientSampleId :
VX0910SBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	219283		
82	58.7	46.4	69.6	
119	31.9	26.6	39.8	

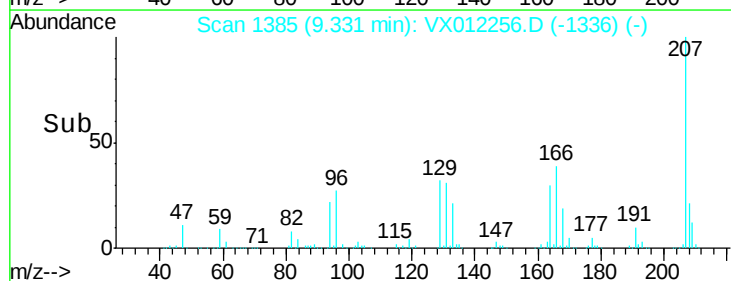
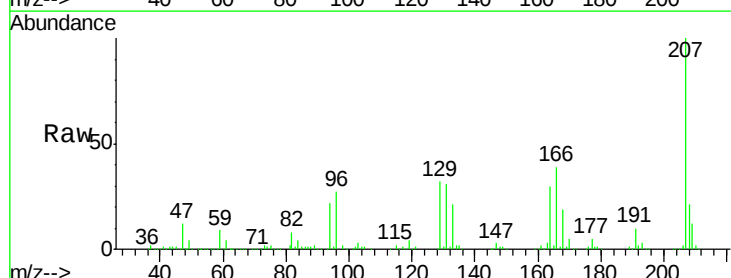
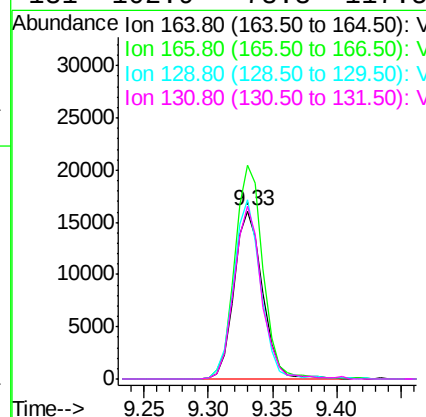
Manual Integrations
APPROVED

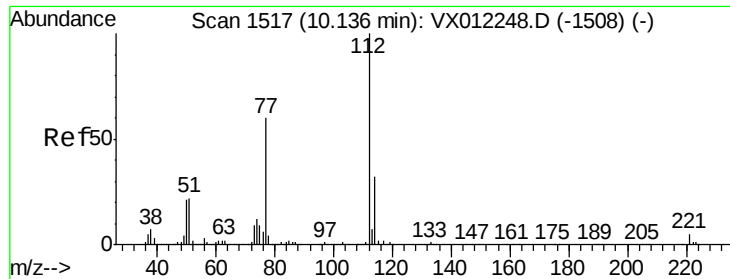
MMDadoda
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#64
Tetrachloroethene
Concen: 21.456 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012256.D
Acq: 10 Sep 2019 15:31

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	24883		
166	127.0	99.4	149.0	
129	106.5	81.8	122.8	
131	102.9	78.3	117.5	





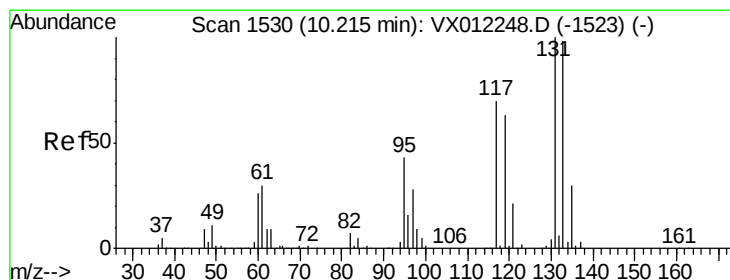
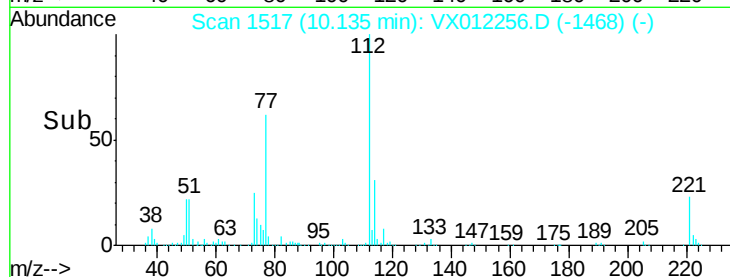
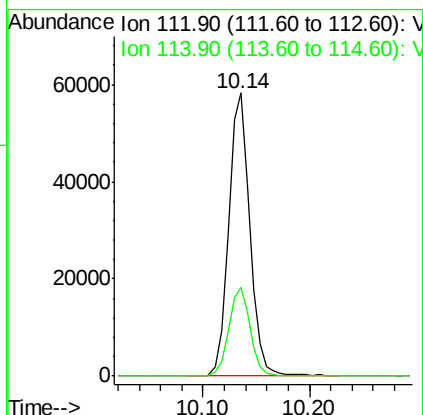
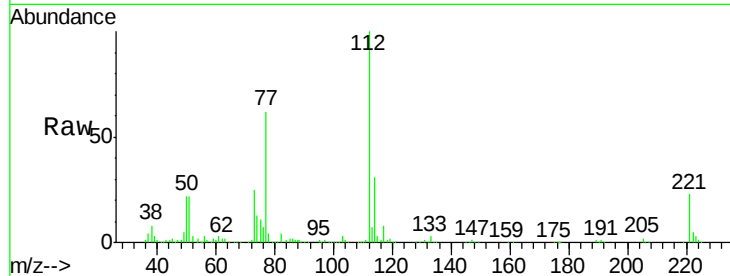
#65
Chlorobenzene
Concen: 20.229 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX012256.D
Acq: 10 Sep 2019 15:31

Instrument :
MSVOA_X
ClientSampleId :
VX0910SBS02

Tot Ion:112 Resp: 81053
Ion Ratio Lower Upper
112 100
114 31.4 25.4 38.0

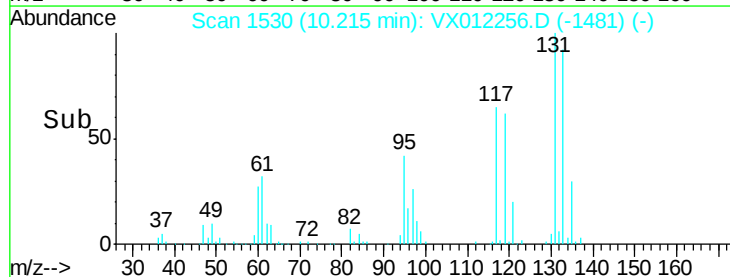
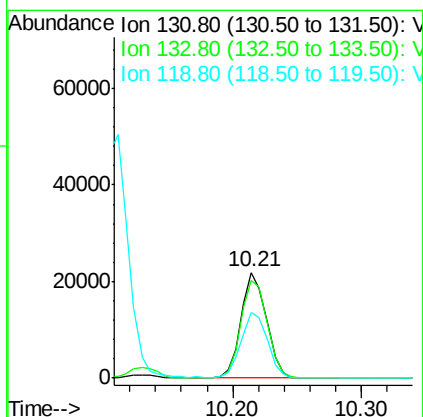
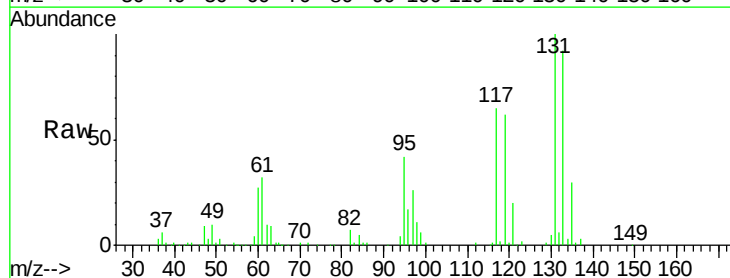
Manual Integrations
APPROVED

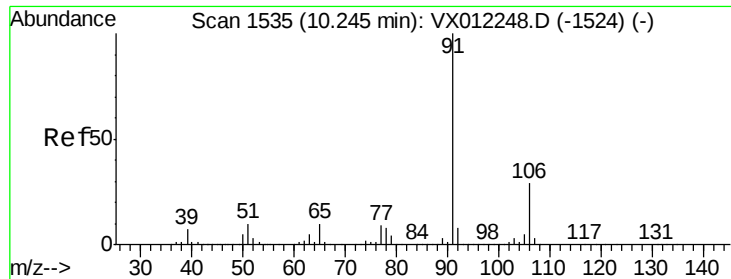
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.654 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX012256.D
Acq: 10 Sep 2019 15:31

Tgt Ion:131 Resp: 29686
Ion Ratio Lower Upper
131 100
133 96.6 48.0 144.2
119 64.8 31.6 95.0





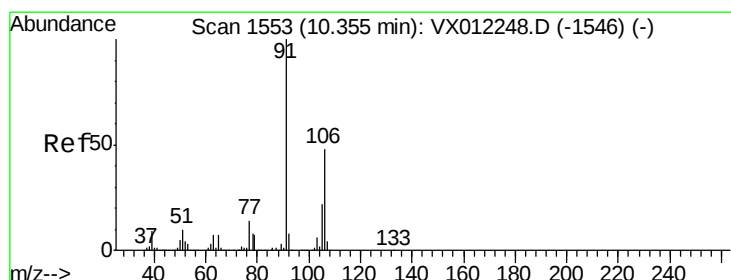
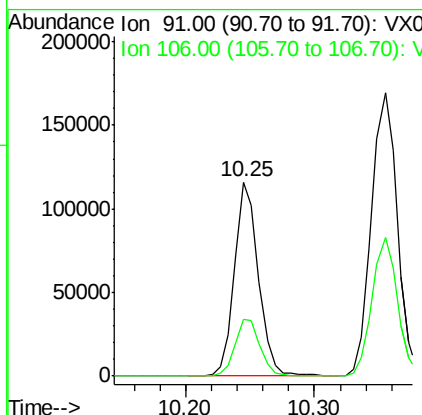
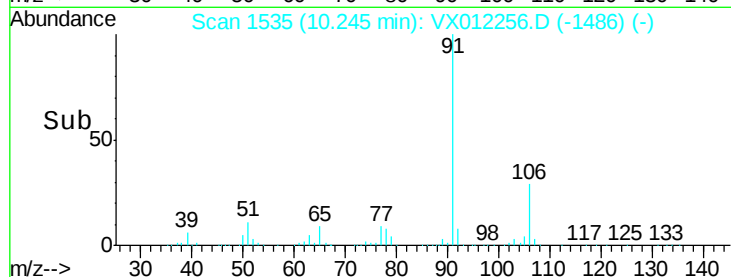
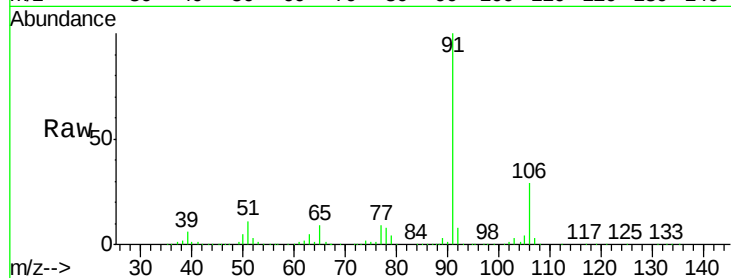
#67
Ethyl Benzene
Concen: 21.246 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012256.D
Acq: 10 Sep 2019 15:31

Instrument :
MSVOA_X
ClientSampleId :
VX0910SBS02

Tot Ion: 91 Resp: 151402
Ion Ratio Lower Upper
91 100
106 29.3 23.1 34.7

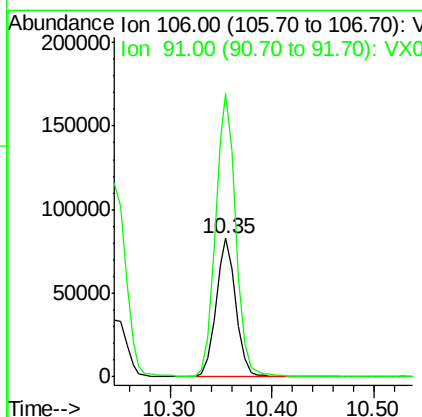
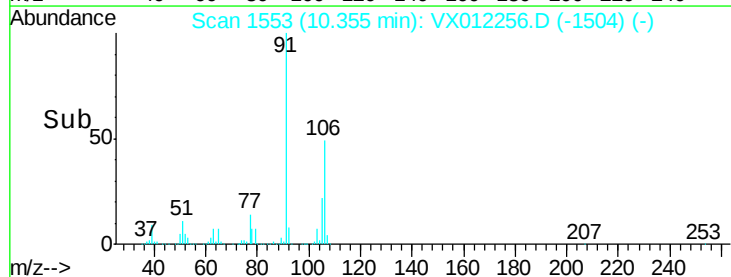
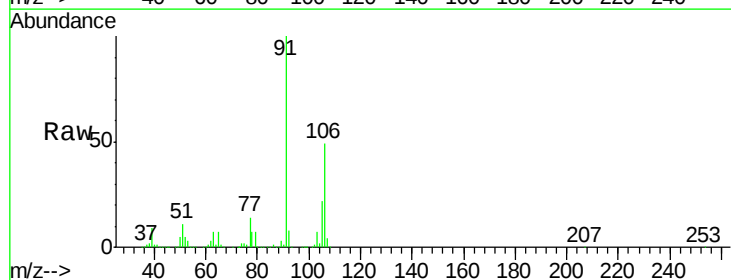
Manual Integrations
APPROVED

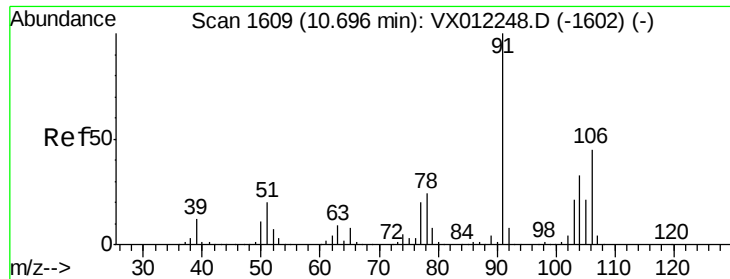
MMDadoda
9/12/2019 8:59:57 AM



#68
m/p-Xylenes
Concen: 43.028 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012256.D
Acq: 10 Sep 2019 15:31

Tgt Ion: 106 Resp: 112872
Ion Ratio Lower Upper
106 100
91 208.5 167.0 250.6





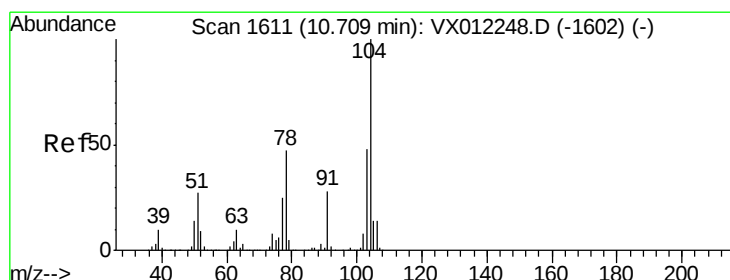
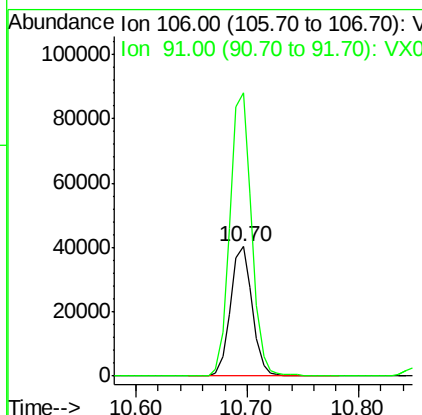
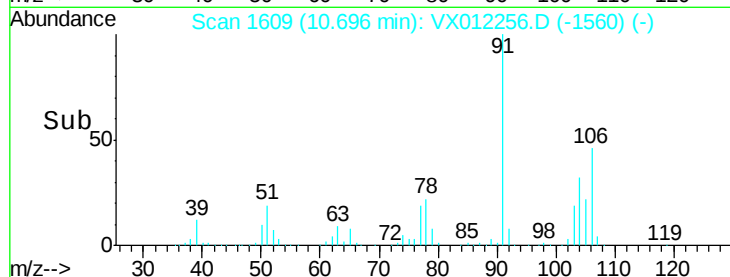
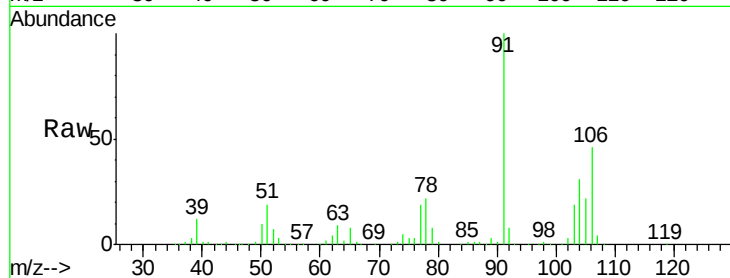
#69
o-Xylene
Concen: 21.190 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012256.D
Acq: 10 Sep 2019 15:31

Instrument :
MSVOA_X
ClientSampleId :
VX0910SBS02

Tot Ion:106 Resp: 54454
Ion Ratio Lower Upper
106 100
91 217.0 110.5 331.4

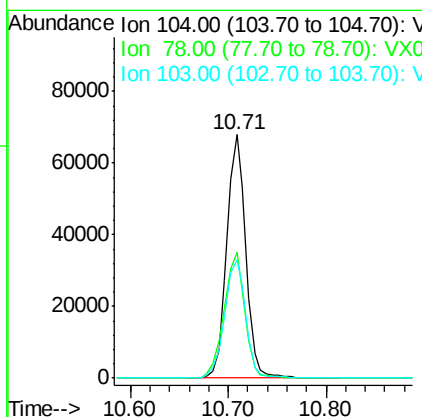
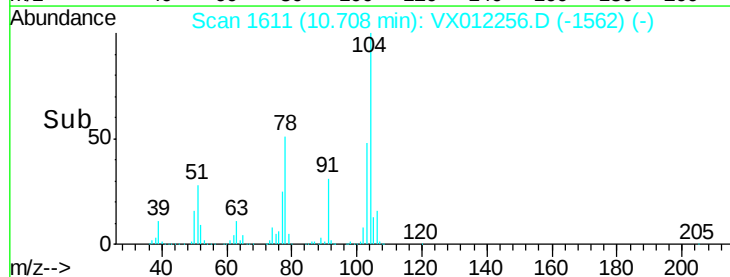
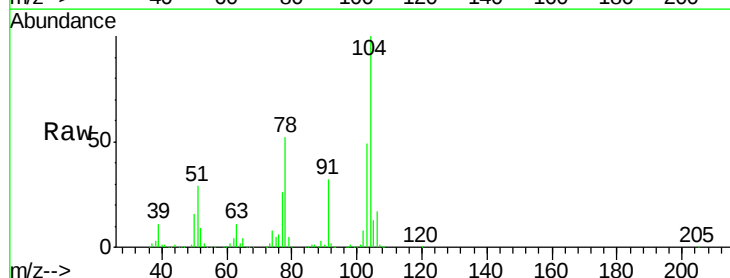
Manual Integrations
APPROVED

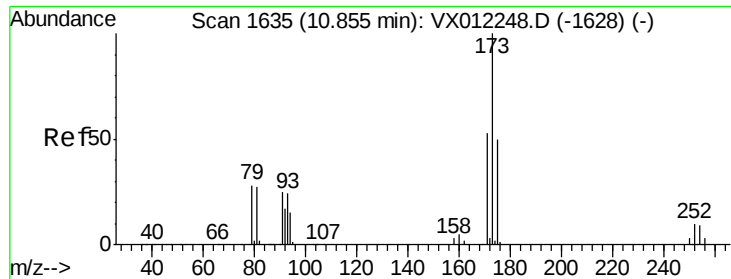
MMDadoda
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#70
Styrene
Concen: 20.139 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012256.D
Acq: 10 Sep 2019 15:31

Tgt Ion:104 Resp: 91783
Ion Ratio Lower Upper
104 100
78 56.7 44.2 66.2
103 54.1 42.5 63.7





#71

Bromoform

Concen: 17.095 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX012256.D

Acq: 10 Sep 2019 15:31

Instrument :

MSVOA_X

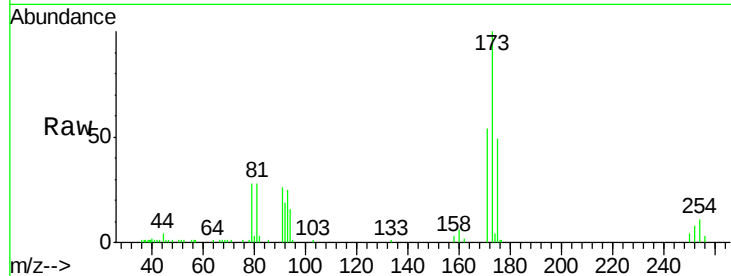
ClientSampled :

VX0910SBS02

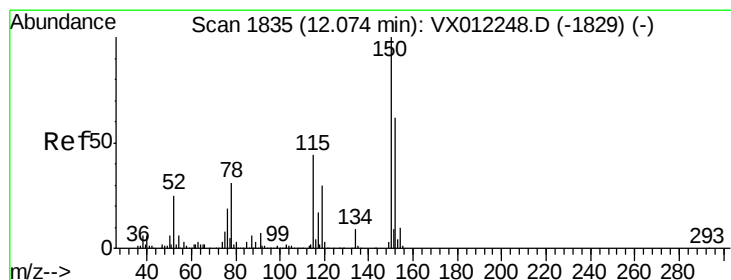
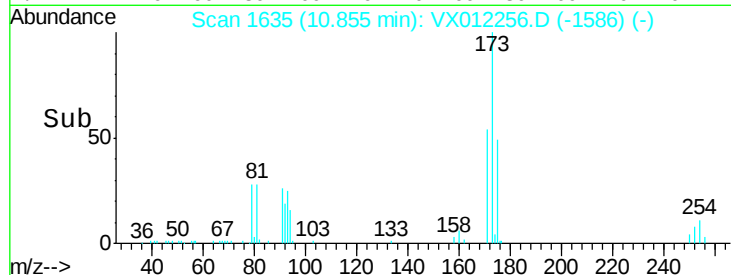
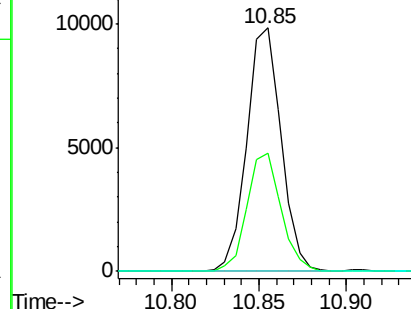
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.5	73.5
254	0.0	0.2	0.4

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

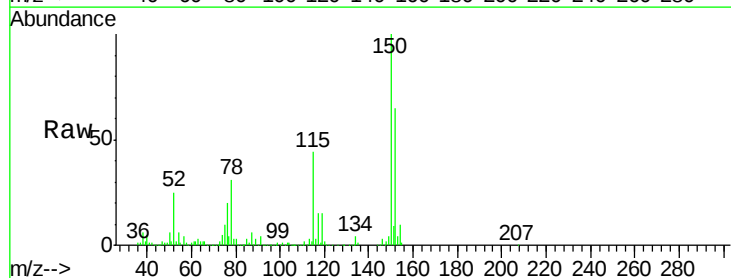
RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

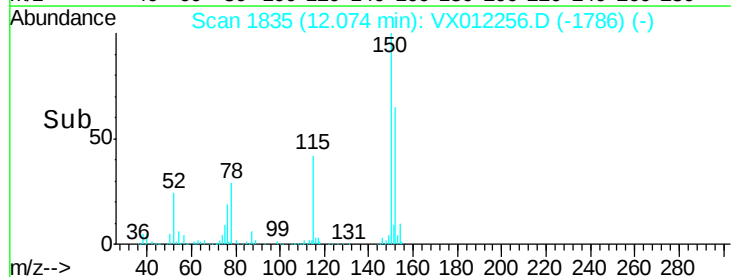
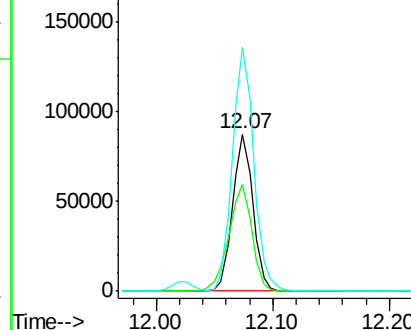
Lab File: VX012256.D

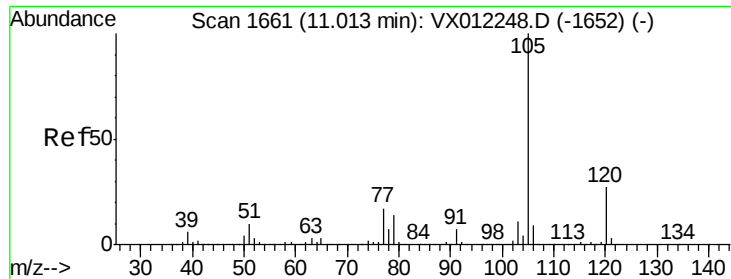
Acq: 10 Sep 2019 15:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	77.1	45.5	136.4
150	163.9	0.0	346.4



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: 21.682 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012256.D

Acq: 10 Sep 2019 15:31

Instrument :

MSVOA_X

ClientSampleId :

VX0910SBS02

Tot Ion: 105 Resp: 151010

Ion Ratio Lower Upper

105 100

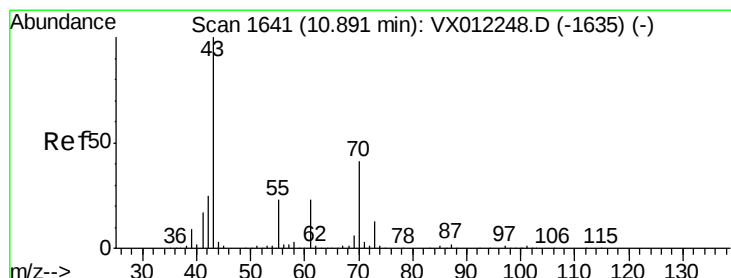
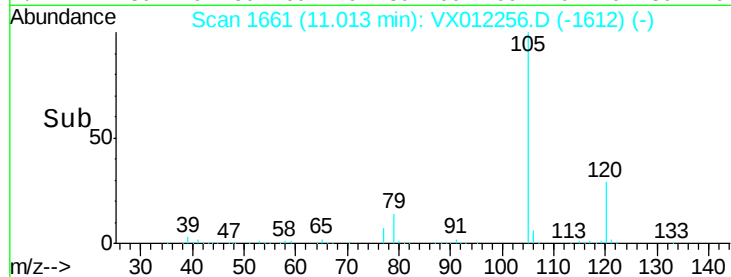
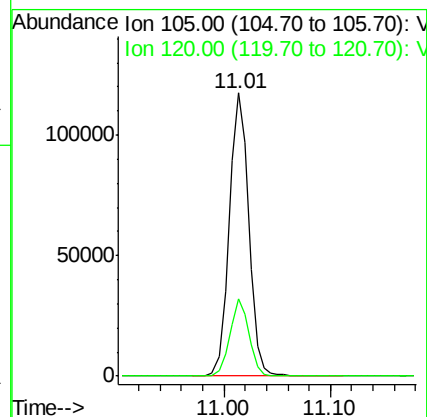
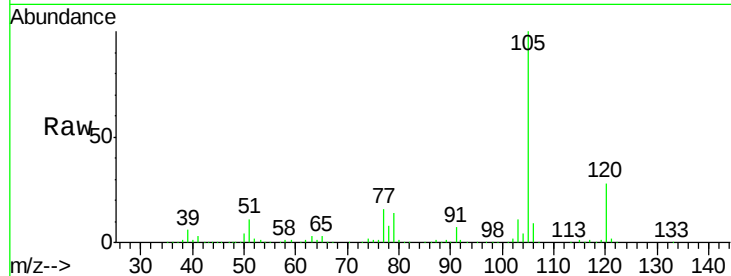
120 26.5 13.2 39.5

Manual Integrations

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#74

N-ethyl acetate

Concen: 17.582 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012256.D

Acq: 10 Sep 2019 15:31

Tgt Ion: 43 Resp: 36409

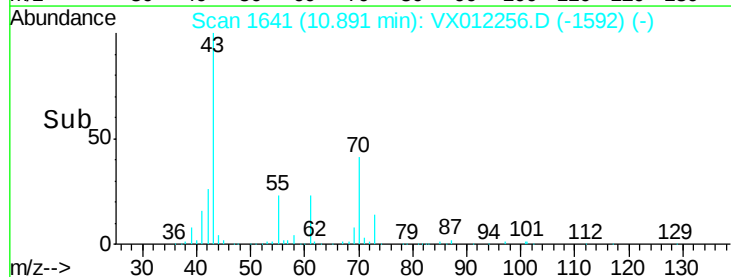
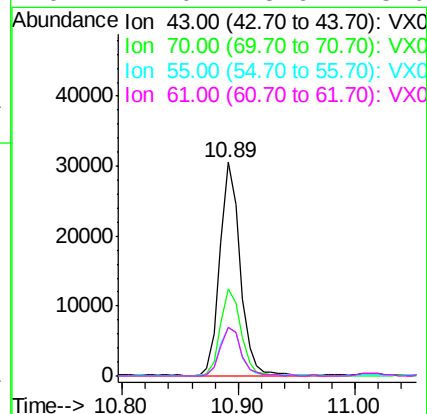
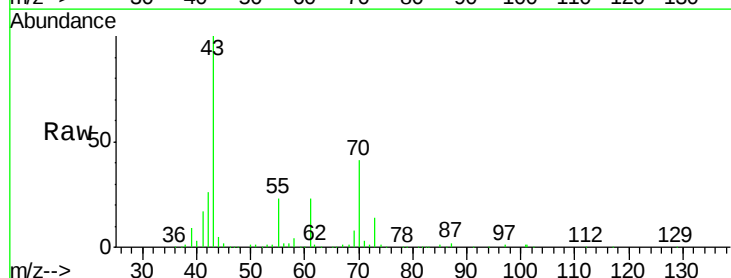
Ion Ratio Lower Upper

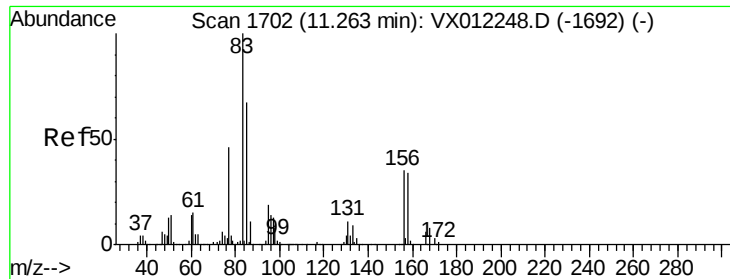
43 100

70 42.0 32.9 49.3

55 25.2 19.1 28.7

61 24.0 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.568 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012256.D

Acq: 10 Sep 2019 15:31

Instrument :

MSVOA_X

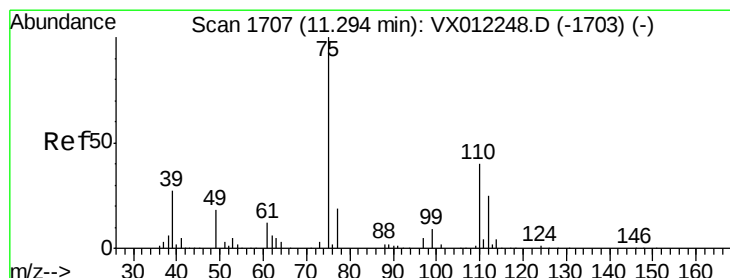
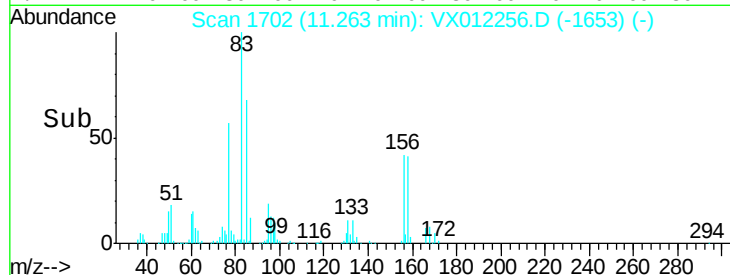
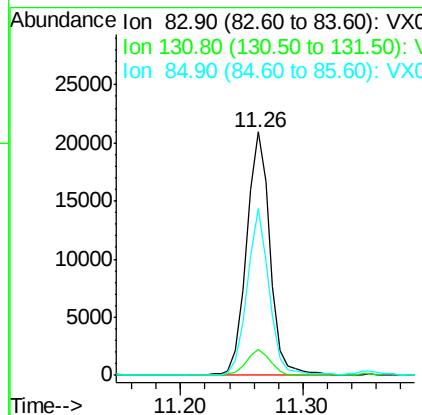
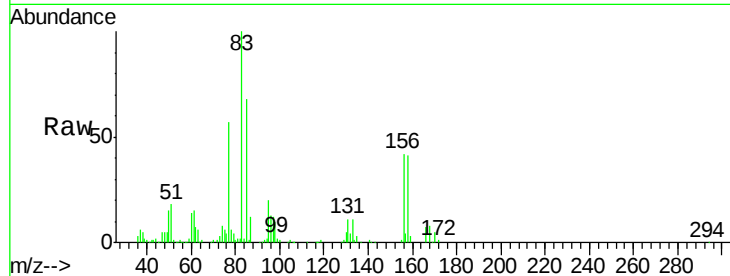
ClientSampleId :

VX0910SBS02

Tot Ion:	83	Resp:	27774
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.5	16.4
85	64.6	32.8	98.4

Manual Integrations
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9/12/2019 8:59:57 AM



#76

1,2,3-Trichloropropane

Concen: 17.303 ug/l m

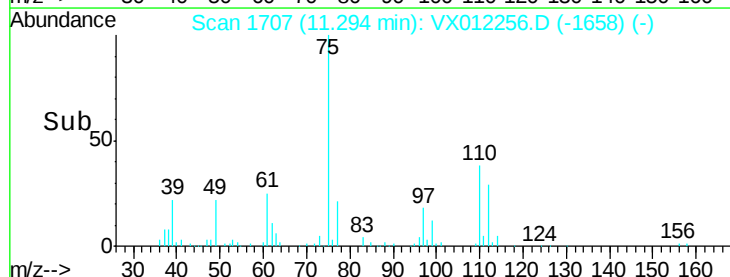
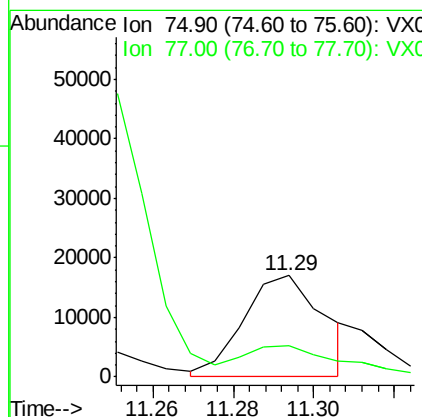
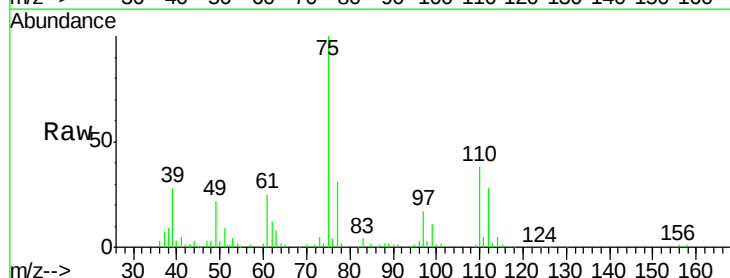
RT: 11.29 min Scan# 1707

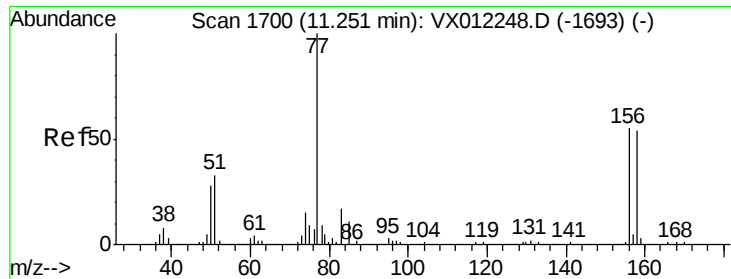
Delta R.T. -0.00 min

Lab File: VX012256.D

Acq: 10 Sep 2019 15:31

Tgt Ion:	75	Resp:	23516
Ion Ratio	Lower	Upper	
75	100		
77	38.0	19.7	59.0





#77

Bromobenzene

Concen: 20.310 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012256.D

Acq: 10 Sep 2019 15:31

Instrument :

MSVOA_X

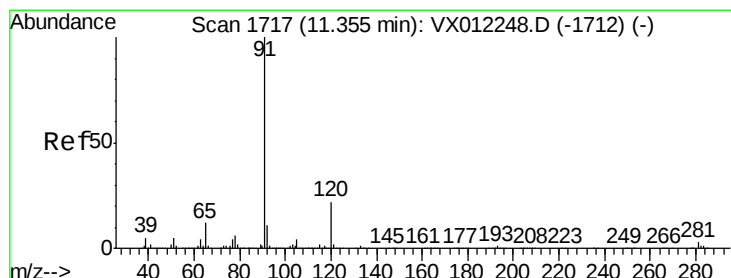
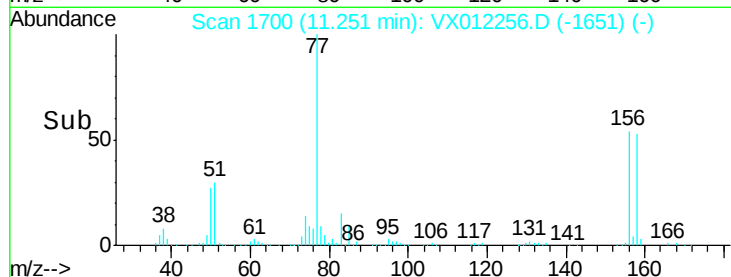
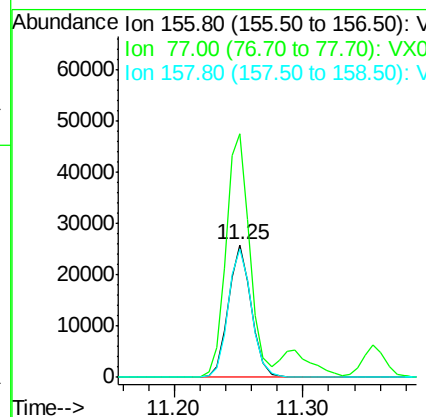
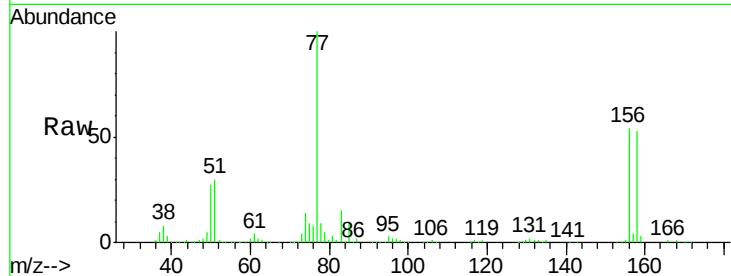
ClientSampleId :

VX0910SBS02

Tot Ion:	156	Resp:	32568
Ion Ratio	Lower	Upper	
156	100		
77	189.0	92.2	276.6
158	98.5	48.8	146.3

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#78

n-propylbenzene

Concen: 22.145 ug/l

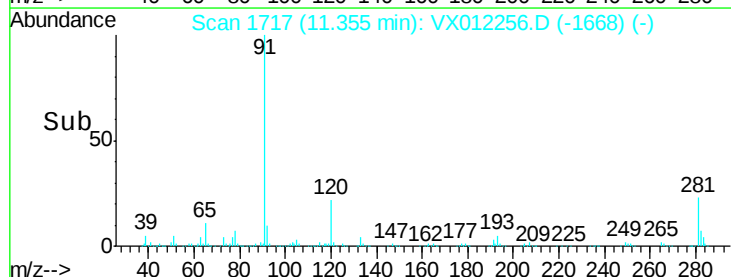
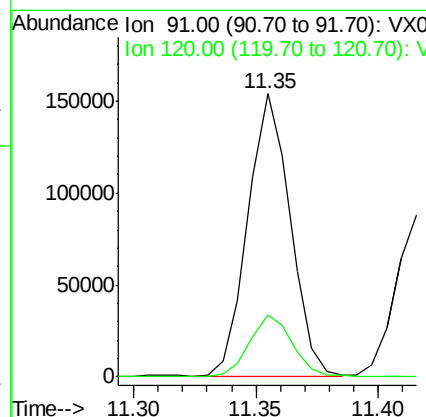
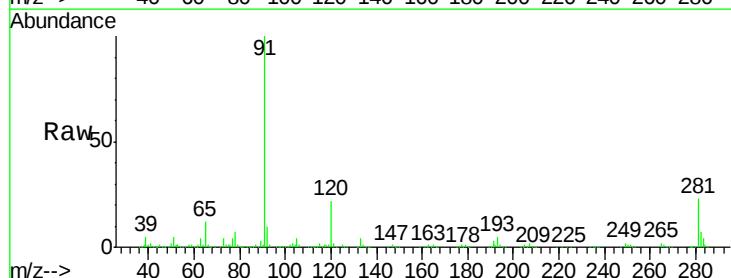
RT: 11.35 min Scan# 1717

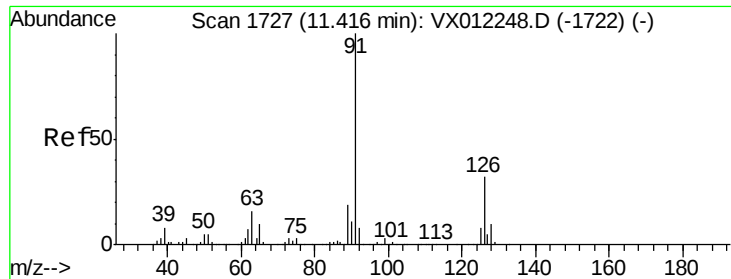
Delta R.T. -0.00 min

Lab File: VX012256.D

Acq: 10 Sep 2019 15:31

Tgt Ion:	91	Resp:	186249
Ion Ratio	Lower	Upper	
91	100		
120	22.0	11.2	33.6





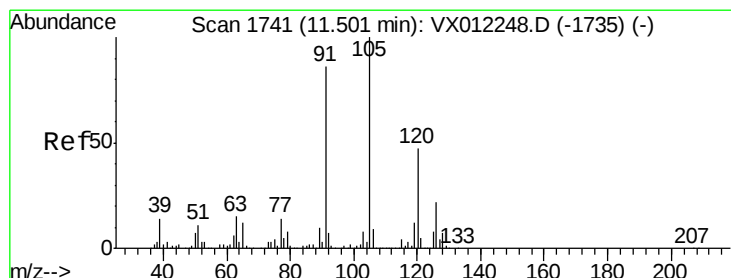
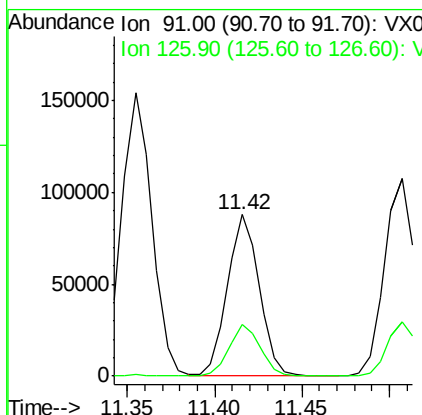
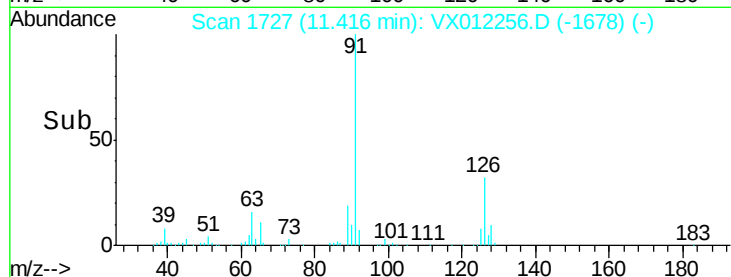
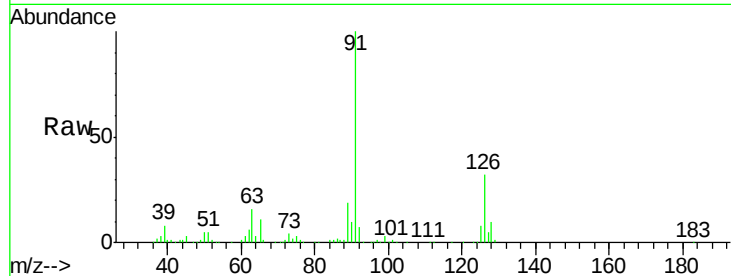
#79
 2-Chlorotoluene
 Concen: 21.298 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: VX012256.D
 Acq: 10 Sep 2019 15:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910SBS02

Tot Ion: 91 Resp: 110978
 Ion Ratio Lower Upper
 91 100
 126 31.7 15.9 47.7

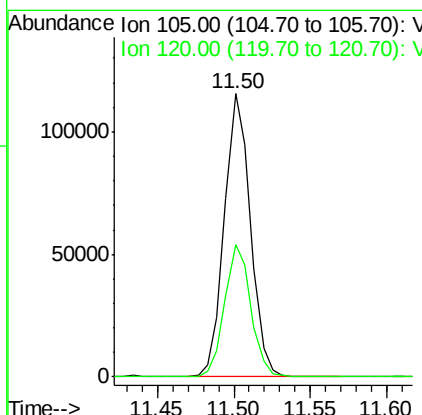
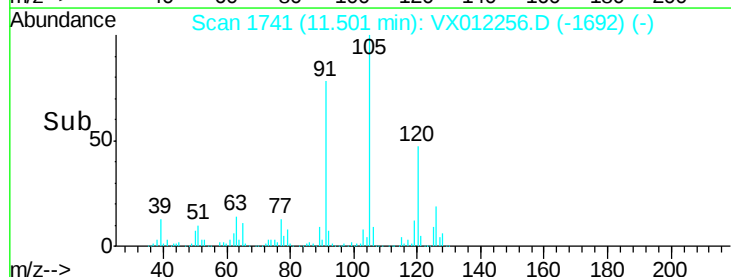
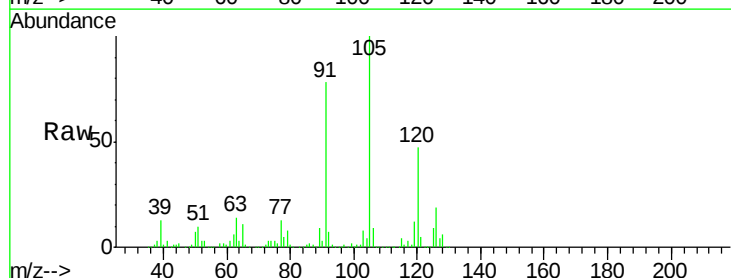
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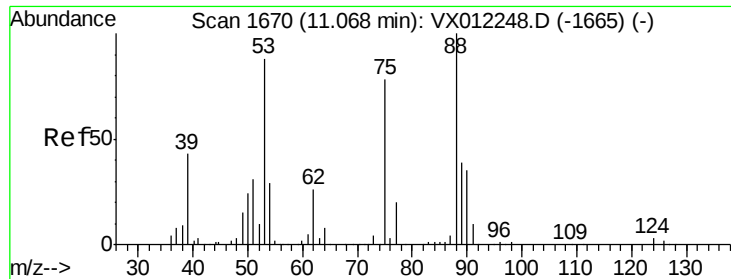
MMDadoda
 9/12/2019 8:59:57 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.725 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX012256.D
 Acq: 10 Sep 2019 15:31

Tgt Ion: 105 Resp: 136073
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 16.691 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX012256.D

Acq: 10 Sep 2019 15:31

Instrument :

MSVOA_X

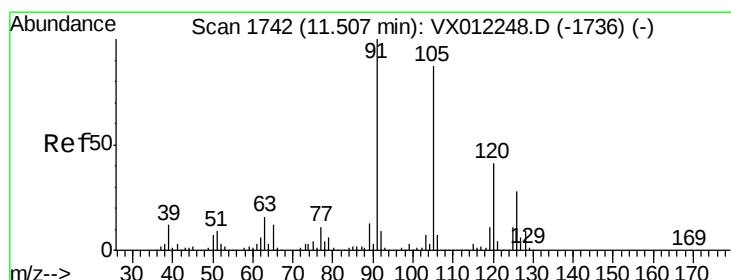
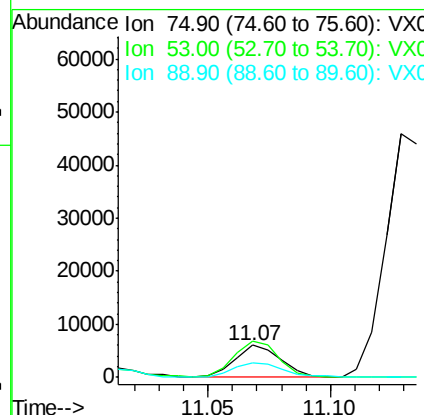
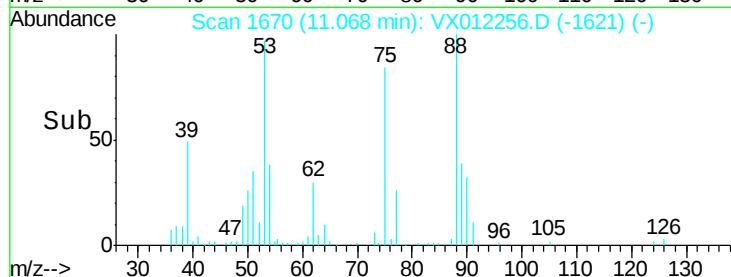
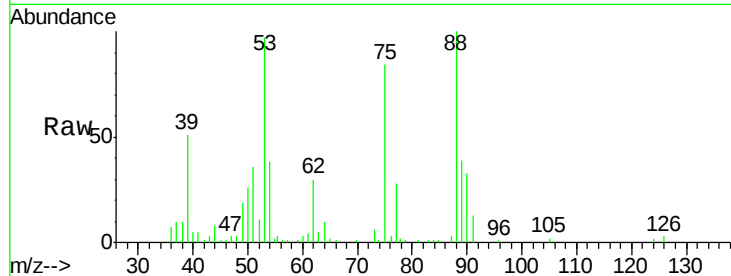
ClientSampleId :

VX0910SBS02

Tot Ion:	75	Resp:	7571
Ion	Ratio	Lower	Upper
75	100		
53	119.2	88.1	132.1
89	54.2	43.5	65.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.342 ug/l

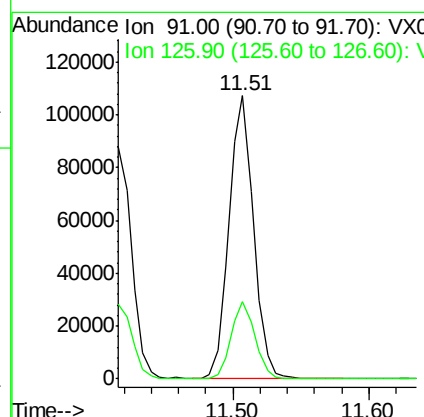
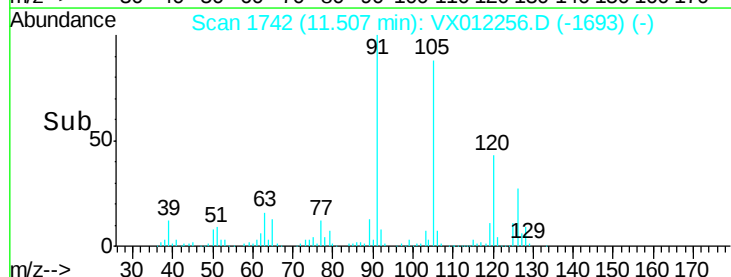
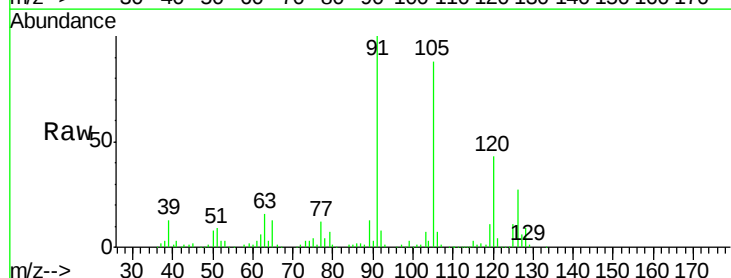
RT: 11.51 min Scan# 1742

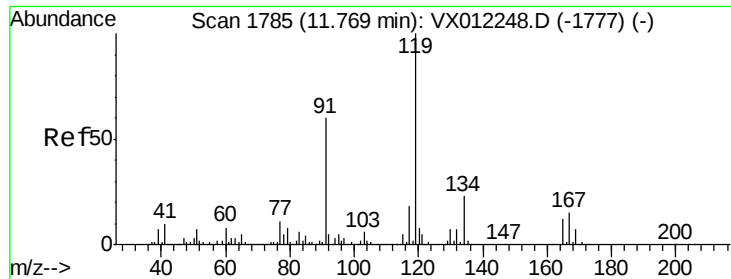
Delta R.T. -0.00 min

Lab File: VX012256.D

Acq: 10 Sep 2019 15:31

Tgt Ion:	91	Resp:	133651
Ion	Ratio	Lower	Upper
91	100		
126	26.9	14.0	42.0





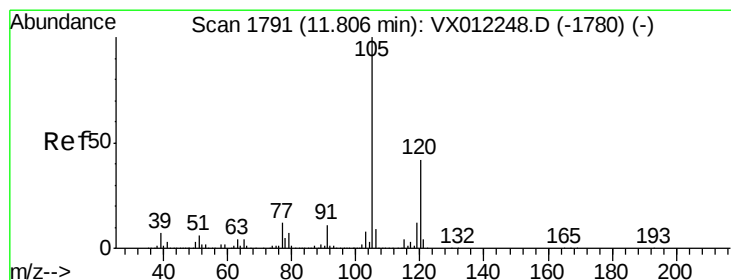
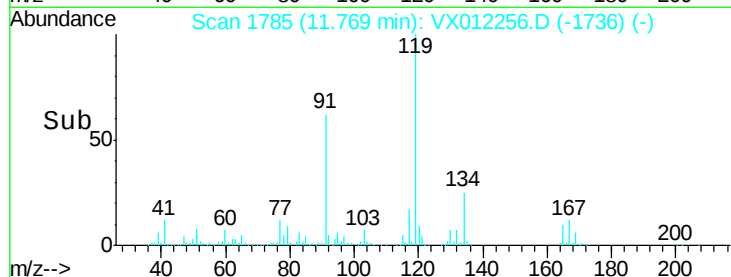
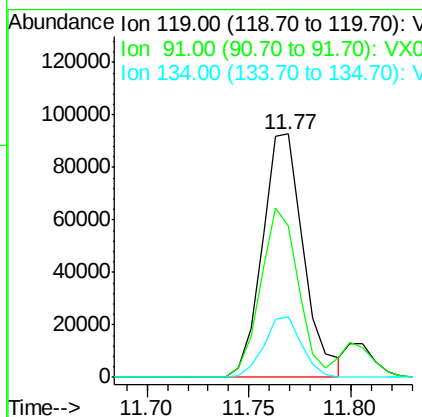
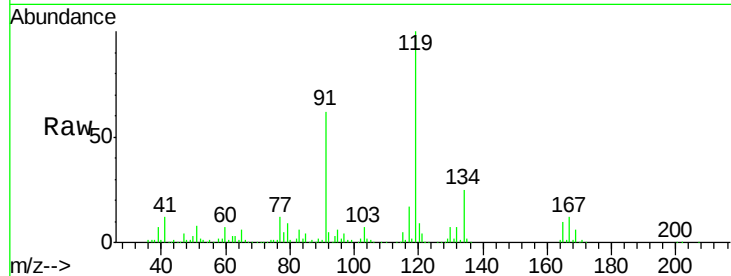
#83
 tert-Butylbenzene
 Concen: 21.460 ug/l
 RT: 11.77 min Scan# 1785
 Delta R.T. -0.00 min
 Lab File: VX012256.D
 Acq: 10 Sep 2019 15:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910SBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	130513		
91	63.6	30.9	92.8	
134	23.0	11.2	33.6	

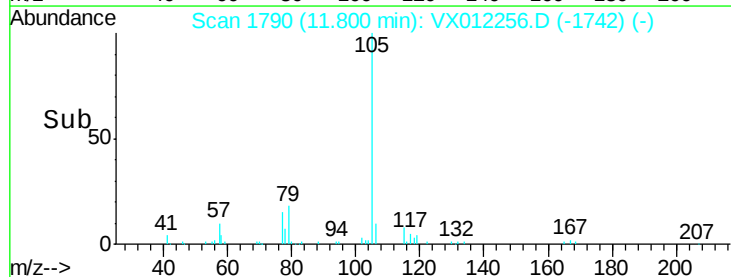
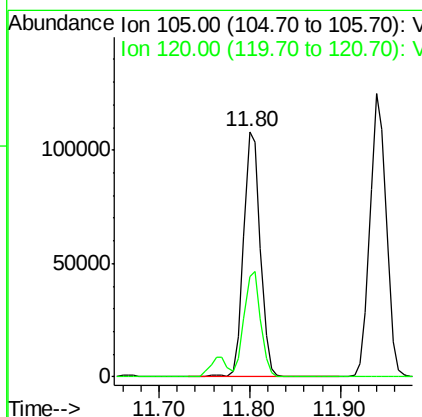
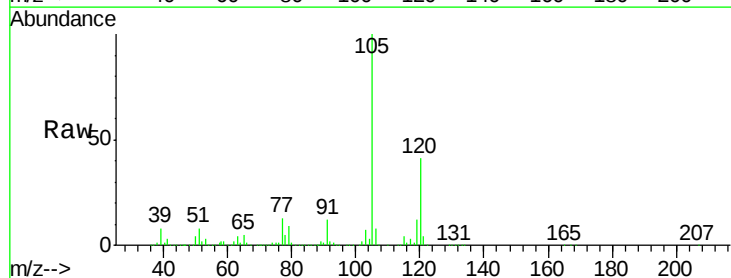
Manual Integrations
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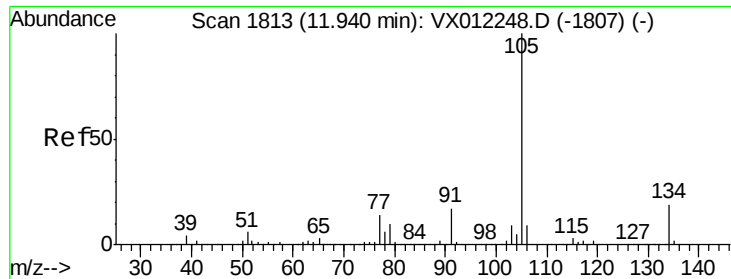
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.350 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: VX012256.D
 Acq: 10 Sep 2019 15:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	138238		
120	42.6	21.3	63.9	





#85

sec-Butylbenzene

Concen: 21.540 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012256.D

Acq: 10 Sep 2019 15:31

Instrument :

MSVOA_X

ClientSampleId :

VX0910SBS02

Tot Ion:105 Resp: 156305

Ion Ratio Lower Upper

105 100

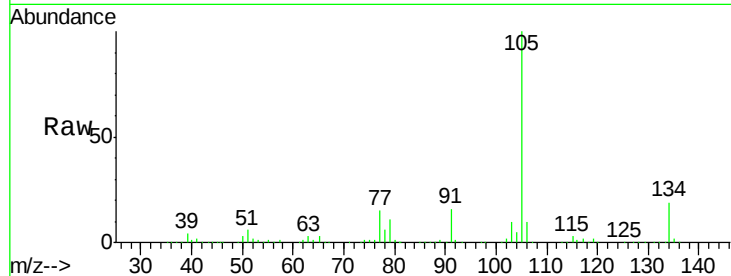
134 19.6 9.9 29.7

Manual Integrations

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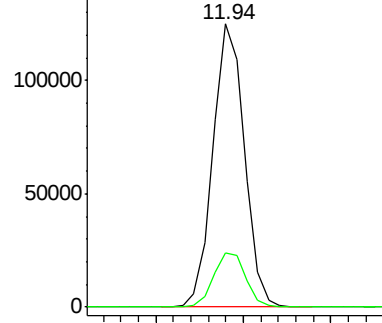
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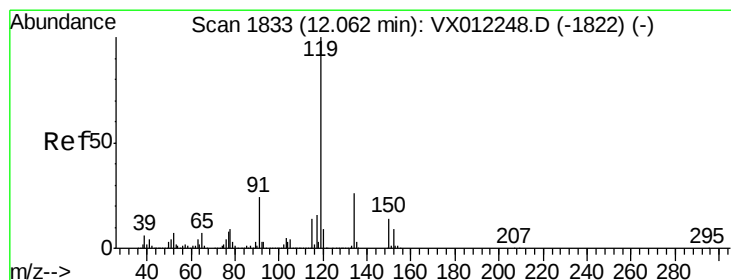
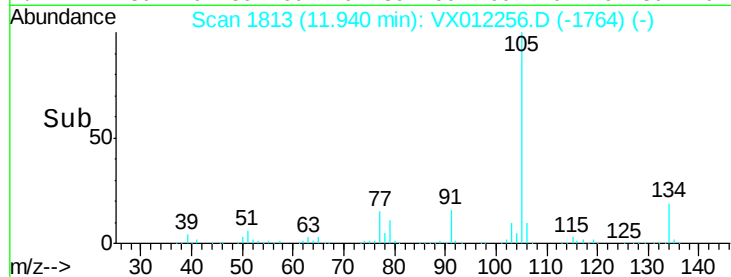


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 21.438 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012256.D

Acq: 10 Sep 2019 15:31

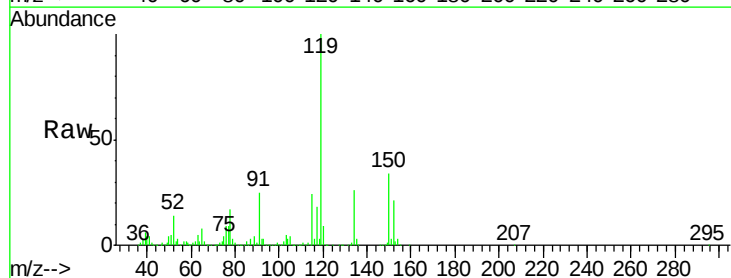
Tgt Ion:119 Resp: 143743

Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.7

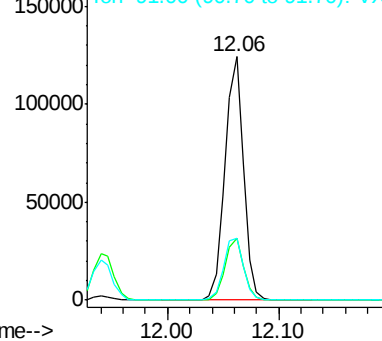
91 27.1 13.1 39.1



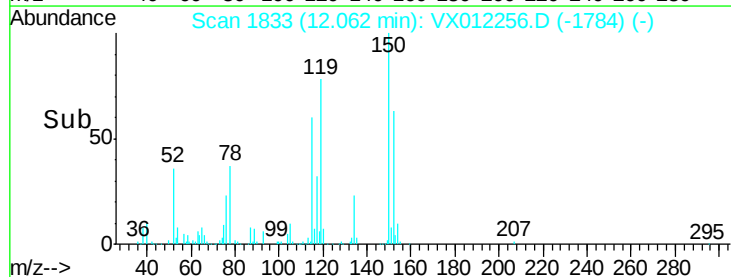
Abundance Ion 119.00 (118.70 to 119.70): V

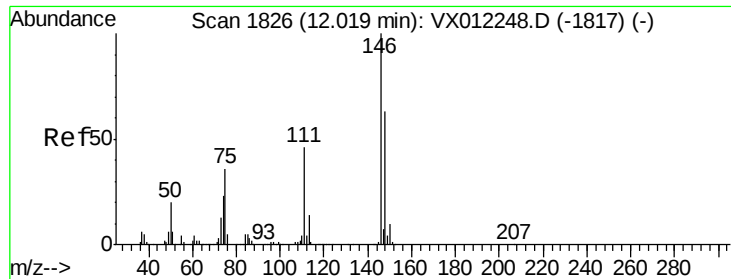
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





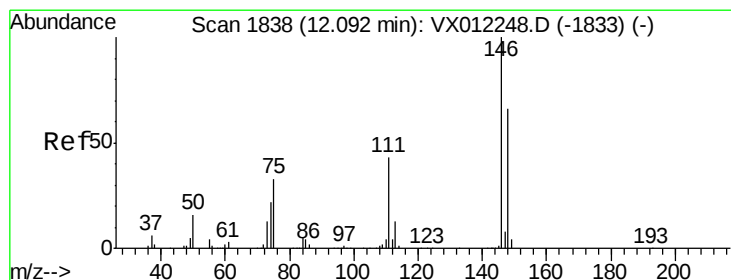
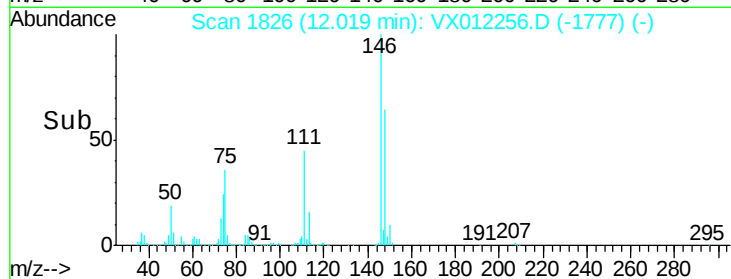
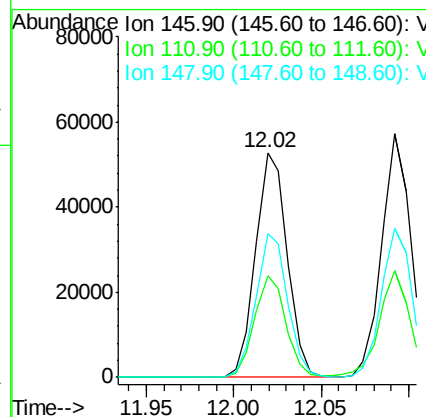
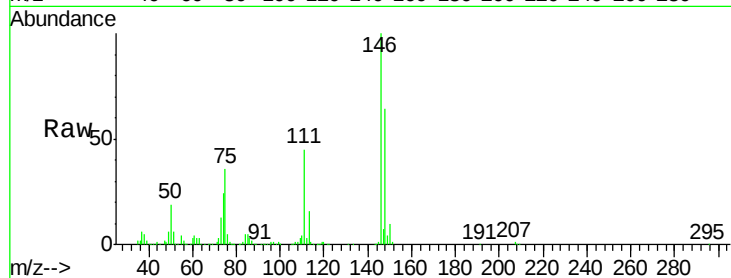
#87
 1,3-Dichlorobenzene
 Concen: 20.364 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012256.D
 Acq: 10 Sep 2019 15:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.8	22.3	66.8
148	63.8	31.5	94.5

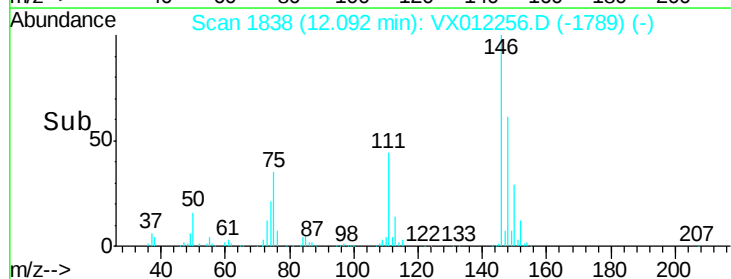
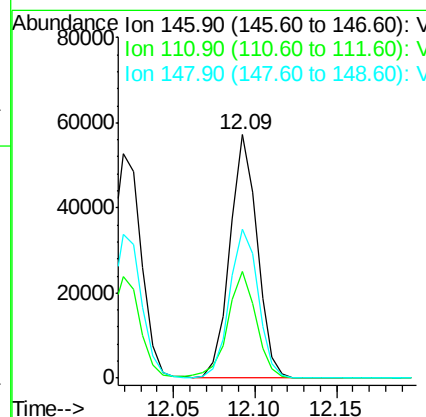
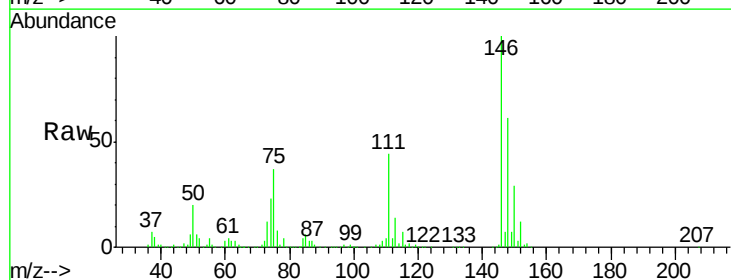
Manual Integrations
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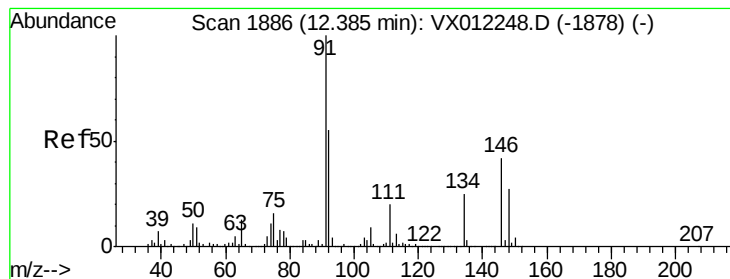
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#88
 1,4-Dichlorobenzene
 Concen: 20.161 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012256.D
 Acq: 10 Sep 2019 15:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.1	21.6	64.8
148	64.3	32.4	97.2





#89

n-Butylbenzene

Concen: 21.470 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX012256.D

Acq: 10 Sep 2019 15:31

Instrument :

MSVOA_X

ClientSampleId :

VX0910SBS02

Tot Ion: 91 Resp: 141093

Ion Ratio Lower Upper

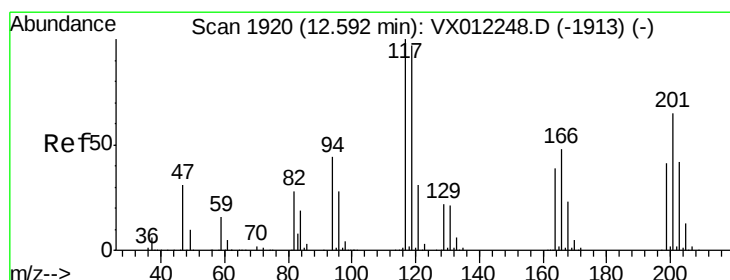
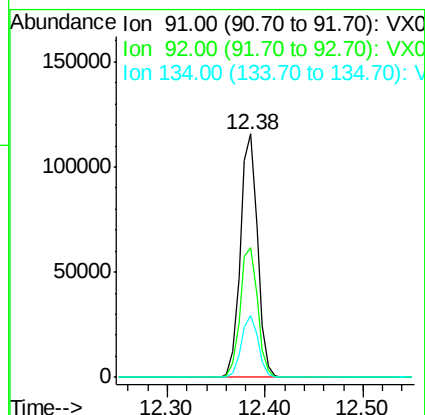
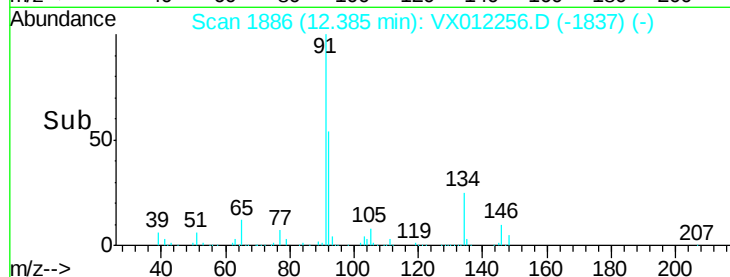
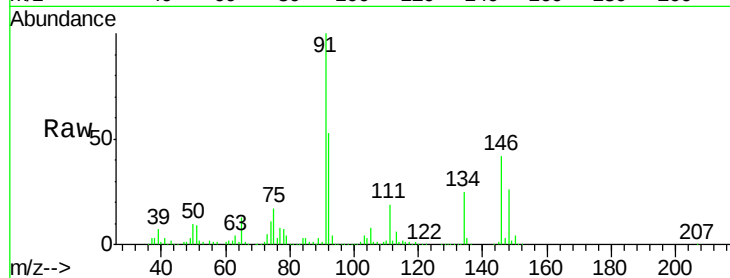
91 100

92 54.2 27.6 82.7

134 25.1 12.5 37.5

Manual Integrations
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#90

Hexachloroethane

Concen: 19.948 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VX012256.D

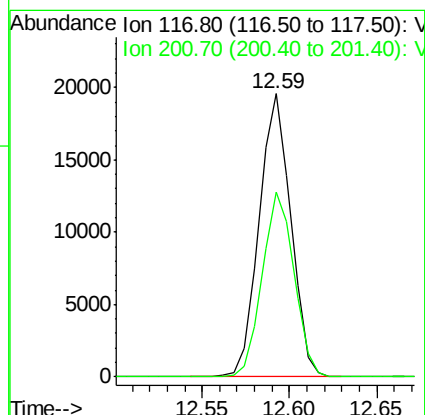
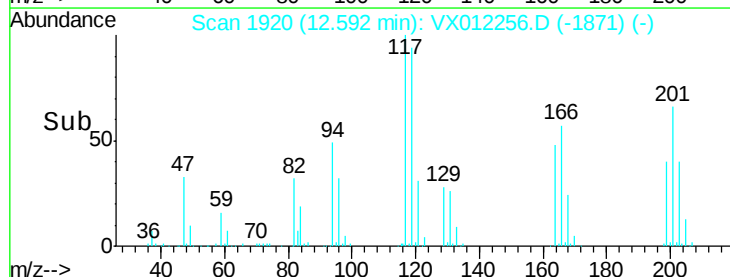
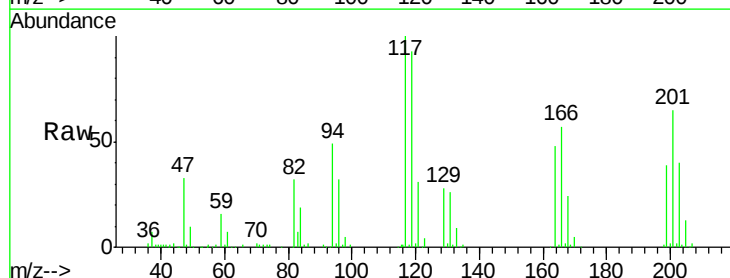
Acq: 10 Sep 2019 15:31

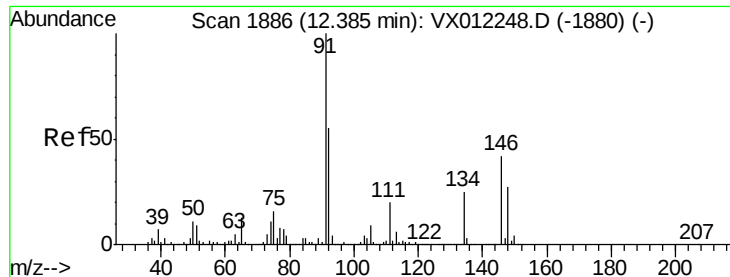
Tgt Ion: 117 Resp: 24636

Ion Ratio Lower Upper

117 100

201 65.6 32.2 96.6





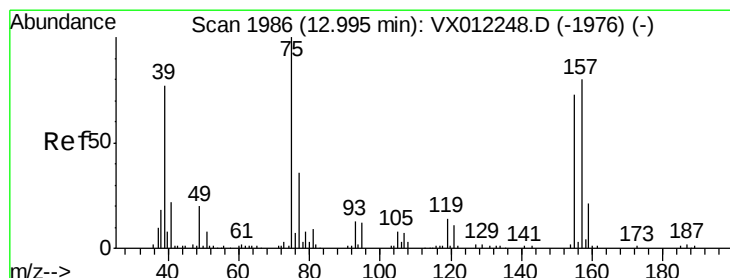
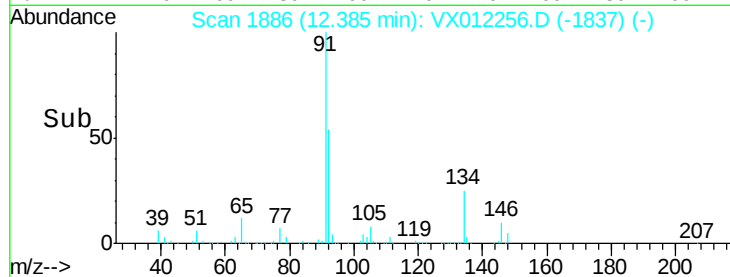
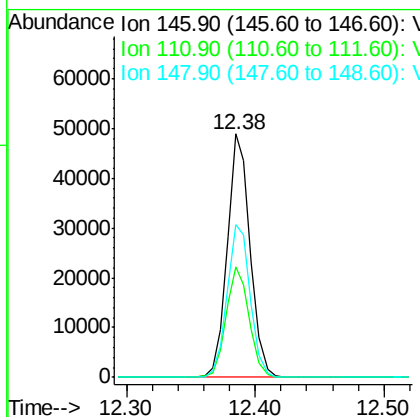
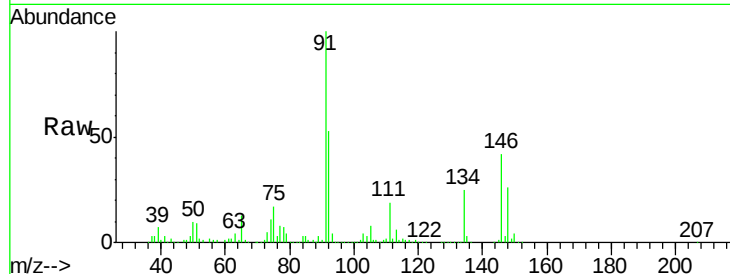
#91
 1,2-Dichlorobenzene
 Concen: 20.121 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012256.D
 Acq: 10 Sep 2019 15:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.8	23.2	69.6
148	63.9	32.4	97.0

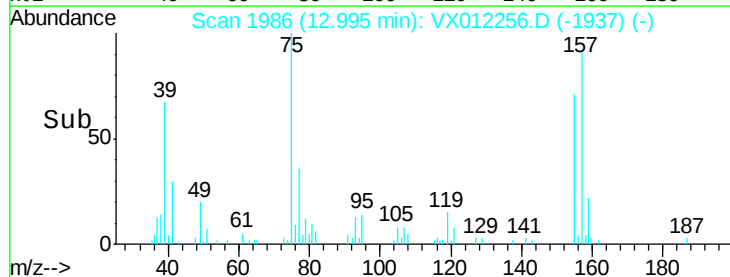
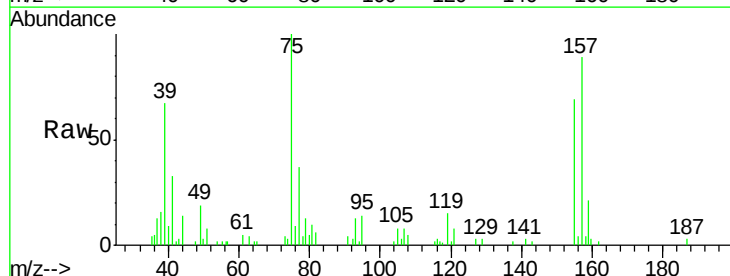
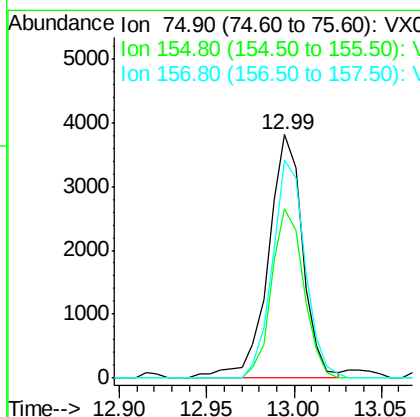
Manual Integrations
 APPROVED

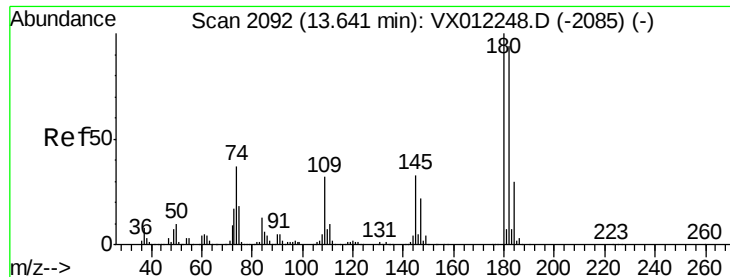
MMDadoda
 9/12/2019 8:59:57 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.156 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012256.D
 Acq: 10 Sep 2019 15:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	64.5	35.3	105.7
157	84.2	43.2	129.6





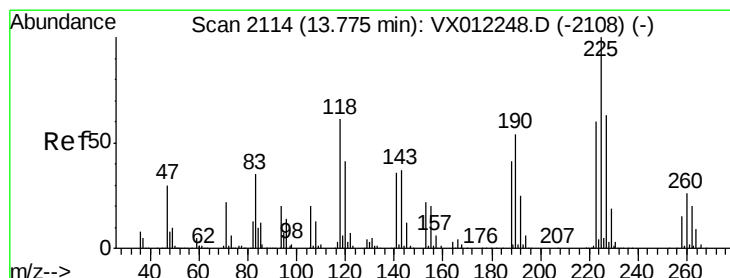
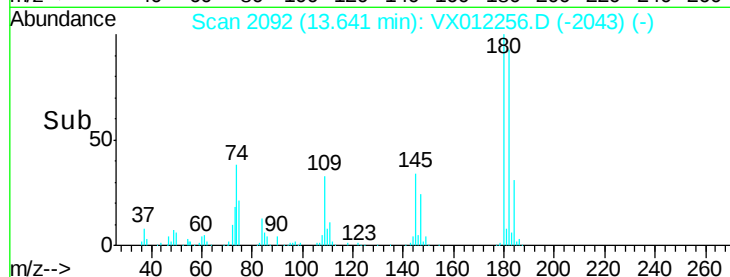
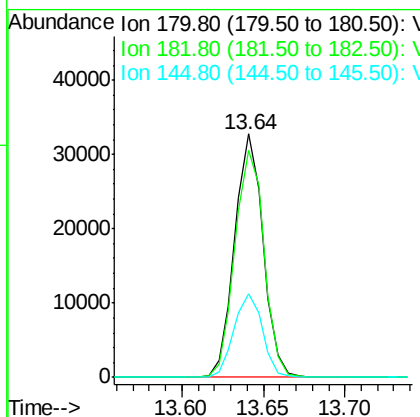
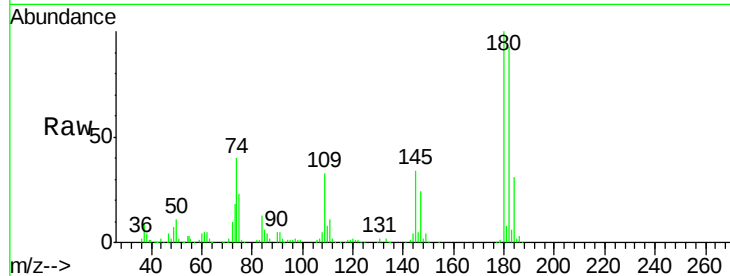
#93
1,2,4-Trichlorobenzene
Concen: 19.022 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. -0.00 min
Lab File: VX012256.D
Acq: 10 Sep 2019 15:31

Instrument :
MSVOA_X
ClientSampleId :
VX0910SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	39694		
182	96.1	46.9	140.8	
145	34.4	17.1	51.2	

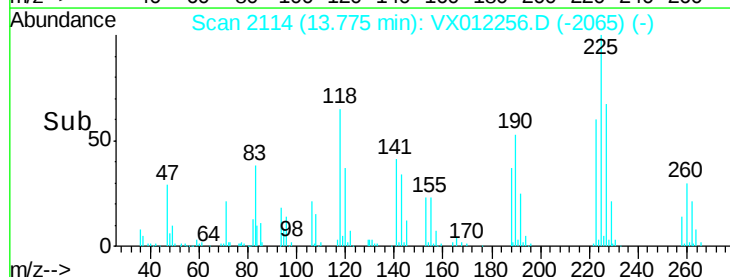
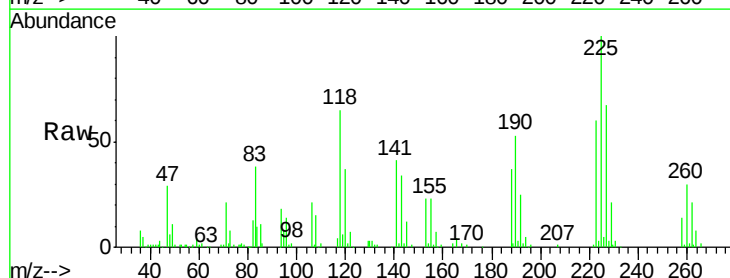
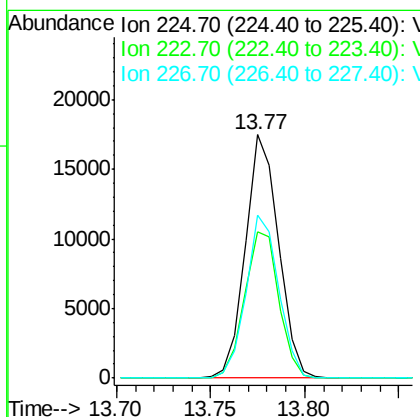
Manual Integrations
APPROVED

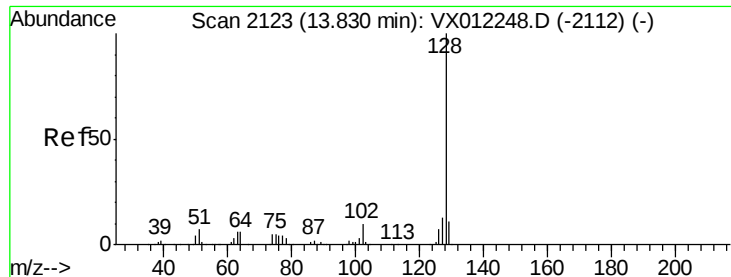
MMDadoda
9/12/2019 8:59:57 AM



#94
Hexachlorobutadiene
Concen: 20.577 ug/l
RT: 13.77 min Scan# 2114
Delta R.T. -0.00 min
Lab File: VX012256.D
Acq: 10 Sep 2019 15:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	21361		
223	62.1	32.1	96.5	
227	65.9	32.5	97.5	





#95

Naphthalene

Concen: 17.081 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX012256.D

Acq: 10 Sep 2019 15:31

Instrument :

MSVOA_X

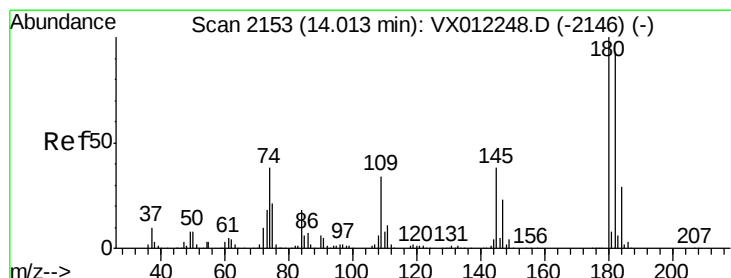
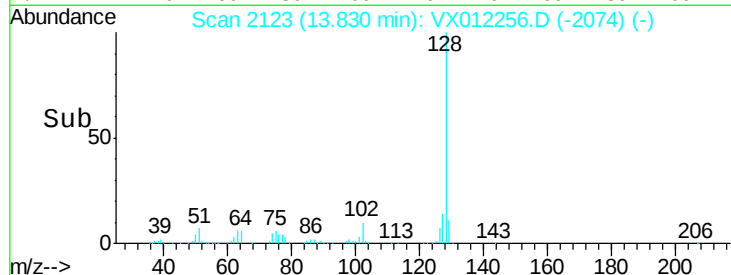
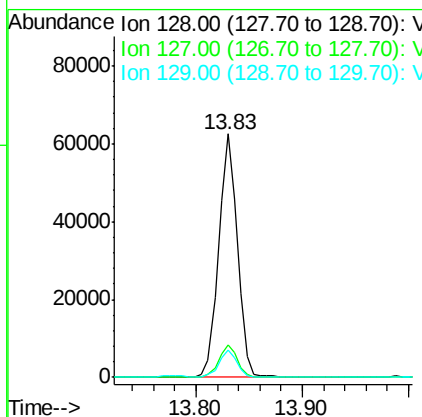
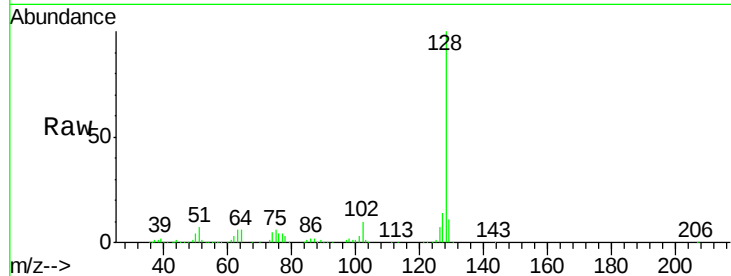
ClientSampleId :

VX0910SBS02

Tot Ion:	128	Resp:	76491
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.2	15.2
129	10.8	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
9/12/2019 8:59:57 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.265 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VX012256.D

Acq: 10 Sep 2019 15:31

Tgt Ion:	180	Resp:	33722
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.0	141.0
145	37.2	18.6	55.8

