

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080819\
 Data File : VX011385.D
 Acq On : 08 Aug 2019 12:32
 Operator : JC/SP
 Sample : VX0808WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0808WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/9/2019 11:08:11 AM

Quant Time: Aug 09 04:41:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	164481	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	245536	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	227405	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	118578	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	88967	53.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.42%	
35) Dibromofluoromethane	5.49	113	77465	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
50) Toluene-d8	8.71	98	284449	47.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.02%	
62) 4-Bromofluorobenzene	11.13	95	102460	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.19	85	20912	16.462	ug/l 100
3) Chloromethane	1.32	50	23528	16.493	ug/l 96
4) Vinyl Chloride	1.40	62	26334	16.782	ug/l 100
5) Bromomethane	1.63	94	20344	18.178	ug/l 96
6) Chloroethane	1.71	64	18380	17.201	ug/l 96
7) Trichlorofluoromethane	1.92	101	48044	17.219	ug/l 100
8) Diethyl Ether	2.18	74	17116	17.180	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	26245	17.384	ug/l 98
10) Methyl Iodide	2.50	142	31179	16.381	ug/l 98
11) Tert butyl alcohol	3.03	59	29996	90.829	ug/l 98
12) 1,1-Dichloroethene	2.37	96	25996	17.371	ug/l 90
13) Acrolein	2.29	56	17148	83.258	ug/l 100
14) Allyl chloride	2.72	41	37403	18.748	ug/l 96
15) Acrylonitrile	3.14	53	75225	95.438	ug/l 98
16) Acetone	2.43	43	68148	86.436	ug/l 96
17) Carbon Disulfide	2.56	76	57623	16.408	ug/l 99
18) Methyl Acetate	2.76	43	35508	19.707	ug/l 100
19) Methyl tert-butyl Ether	3.19	73	85177	19.314	ug/l 97
20) Methylene Chloride	2.85	84	29967	17.355	ug/l 95
21) trans-1,2-Dichloroethene	3.16	96	28148	17.781	ug/l 93
22) Diisopropyl ether	3.85	45	84698	19.316	ug/l 98
23) Vinyl Acetate	3.81	43	355199	97.669	ug/l 99
24) 1,1-Dichloroethane	3.69	63	48096	18.602	ug/l 99
25) 2-Butanone	4.66	43	106351	94.827	ug/l 95
26) 2,2-Dichloropropane	4.57	77	37159	18.488	ug/l 97
27) cis-1,2-Dichloroethene	4.59	96	32248	17.686	ug/l 96
28) Bromochloromethane	5.01	49	23008	19.520	ug/l 93
29) Tetrahydrofuran	5.12	42	64549	93.867	ug/l 99
30) Chloroform	5.20	83	53141	18.911	ug/l 96
31) Cyclohexane	5.57	56	37236	17.456	ug/l 90
32) 1,1,1-Trichloroethane	5.49	97	45236	18.791	ug/l 97
36) 1,1-Dichloropropene	5.79	75	36790	17.161	ug/l 97
37) Ethyl Acetate	4.82	43	39102	18.184	ug/l 98
38) Carbon Tetrachloride	5.78	117	39003	18.084	ug/l 96

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 Misc : 5.0mL/MSVOA X/WATER
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 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	40550	15.958	ug/l	98
40) Benzene	6.13	78	114903	17.962	ug/l	99
41) Methacrylonitrile	5.03	41	21143	18.004	ug/l	98
42) 1,2-Dichloroethane	6.18	62	42089	19.457	ug/l	98
43) Isopropyl Acetate	6.44	43	62851	18.282	ug/l	99
44) Trichloroethene	7.21	130	33593	17.349	ug/l	98
45) 1,2-Dichloropropane	7.51	63	27944	16.867	ug/l	98
46) Dibromomethane	7.66	93	21787	18.014	ug/l	95
47) Bromodichloromethane	7.89	83	37859	18.489	ug/l	96
48) Methyl methacrylate	7.77	41	30401	18.790	ug/l	97
49) 1,4-Dioxane	7.74	88	15428	328.919	ug/l	91
51) 4-Methyl-2-Pentanone	8.64	43	212161	95.624	ug/l	99
52) Toluene	8.78	92	74761	17.676	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	38736	18.160	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	43316	18.109	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	32518	18.699	ug/l	97
56) Ethyl methacrylate	9.18	69	45454	18.341	ug/l	94
57) 1,3-Dichloropropane	9.37	76	51744	18.814	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	120006	98.486	ug/l	98
59) 2-Hexanone	9.49	43	163628	95.214	ug/l	99
60) Dibromochloromethane	9.58	129	32441	18.221	ug/l	98
61) 1,2-Dibromoethane	9.67	107	34252	18.230	ug/l	98
64) Tetrachloroethene	9.33	164	34271	17.746	ug/l	93
65) Chlorobenzene	10.13	112	85439	17.523	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	31083	18.621	ug/l	98
67) Ethyl Benzene	10.25	91	143155	17.531	ug/l	97
68) m/p-Xylenes	10.35	106	111416	35.275	ug/l	99
69) o-Xylene	10.69	106	53581	17.265	ug/l	98
70) Styrene	10.71	104	90436	17.612	ug/l	98
71) Bromoform	10.85	173	23508	17.693	ug/l #	99
73) Isopropylbenzene	11.02	105	147092	18.137	ug/l	99
74) N-amyl acetate	10.90	43	55780	19.035	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	50660	18.745	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	42556m	19.707	ug/l	
77) Bromobenzene	11.26	156	40584	18.047	ug/l	97
78) n-propylbenzene	11.36	91	161900	17.952	ug/l	98
79) 2-Chlorotoluene	11.42	91	96363	17.927	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	122184	17.998	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	12315	18.377	ug/l	92
82) 4-Chlorotoluene	11.51	91	113028	18.042	ug/l	98
83) tert-Butylbenzene	11.77	119	117803	17.693	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	124667	18.444	ug/l	99
85) sec-Butylbenzene	11.94	105	141292	17.662	ug/l	99
86) p-Isopropyltoluene	12.06	119	127052	17.264	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	70077	17.636	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	70040	17.094	ug/l	97
89) n-Butylbenzene	12.38	91	107117	16.894	ug/l	100
90) Hexachloroethane	12.59	117	18541	17.041	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	70964	17.775	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	10483	20.021	ug/l	92

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBSD01

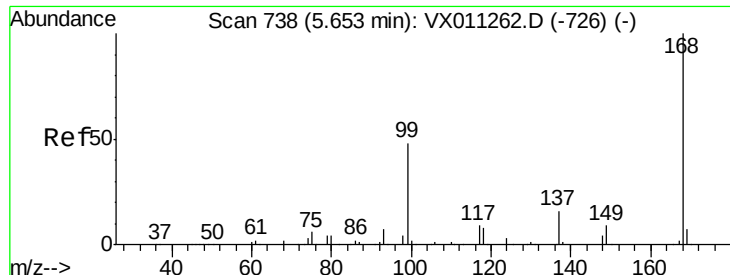
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	45310	17.113	ug/l	99
94) Hexachlorobutadiene	13.78	225	23714	17.653	ug/l	97
95) Naphthalene	13.83	128	142158	18.360	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	47708	17.724	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011385.D

Acq: 08 Aug 2019 12:32

Instrument :

MSVOA_X

ClientSampleId :

VX0808WBSD01

Tot Ion:168 Resp: 164481

Ion Ratio Lower Upper

168 100

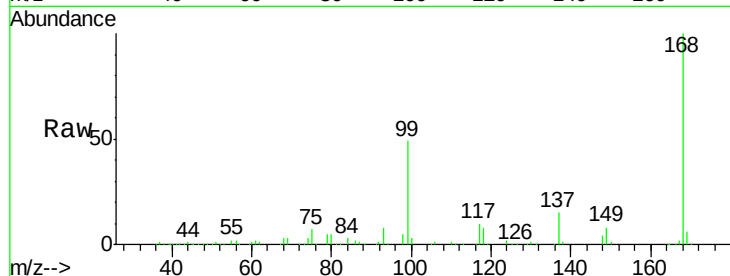
99 49.3 38.5 57.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

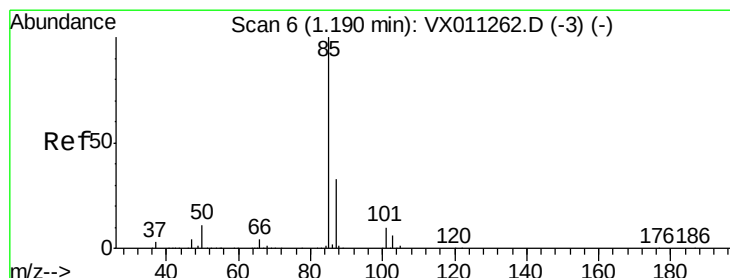
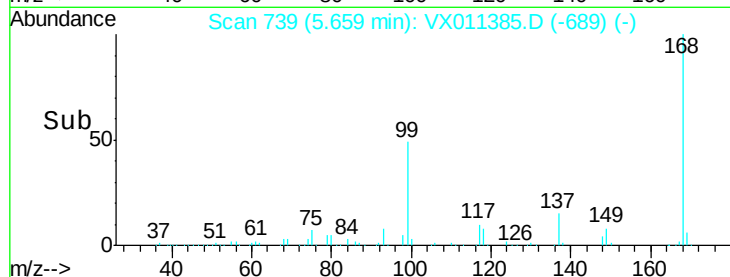
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 16.462 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011385.D

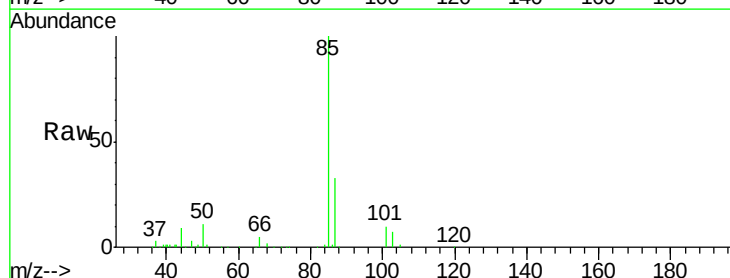
Acq: 08 Aug 2019 12:32

Tgt Ion: 85 Resp: 20912

Ion Ratio Lower Upper

85 100

87 32.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

25000

20000

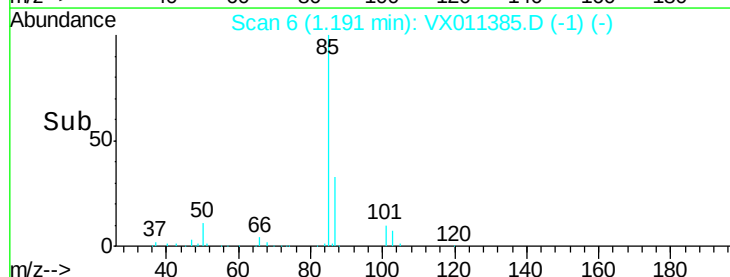
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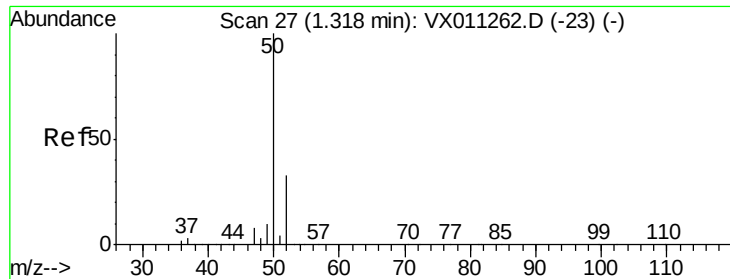
10000

5000

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 16.493 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011385.D

Acq: 08 Aug 2019 12:32

Instrument :

MSVOA_X

ClientSampleId :

VX0808WBSD01

Tot Ion: 50 Resp: 23528

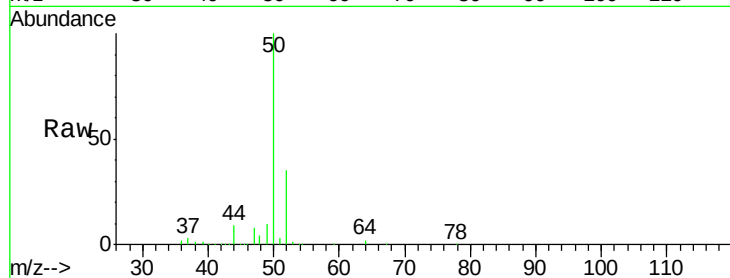
Ion Ratio Lower Upper

50 100

52 35.3 26.4 39.6

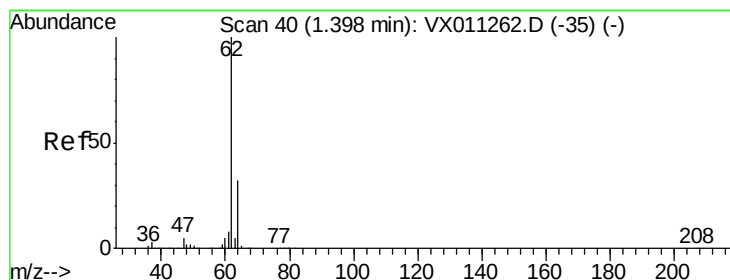
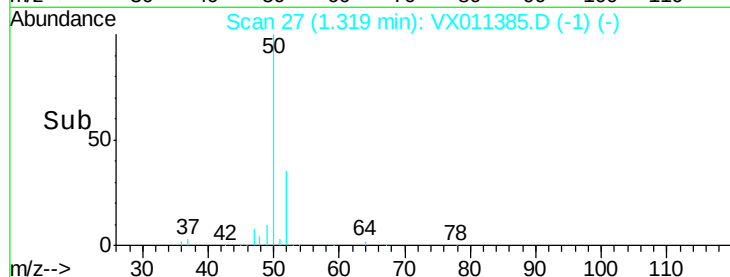
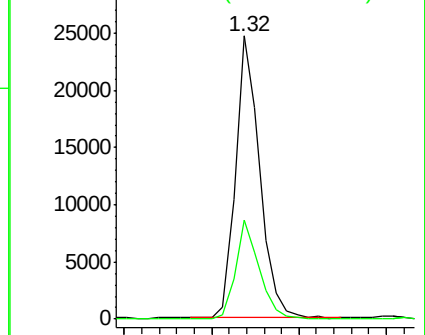
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 16.782 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011385.D

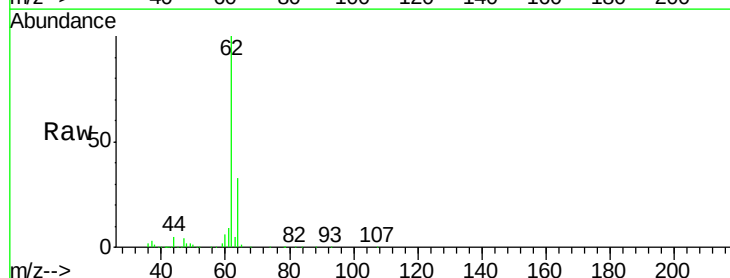
Acq: 08 Aug 2019 12:32

Tgt Ion: 62 Resp: 26334

Ion Ratio Lower Upper

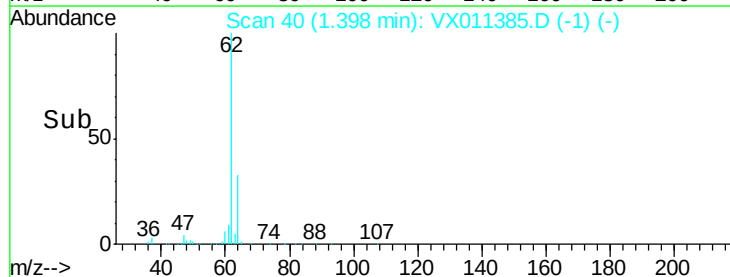
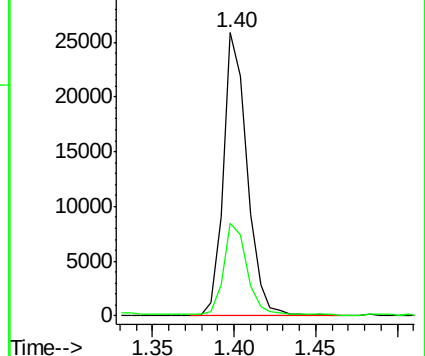
62 100

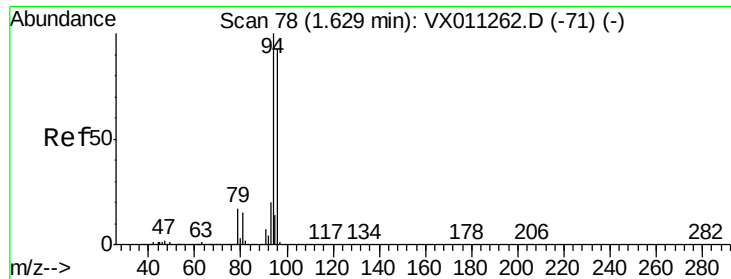
64 32.4 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 18.178 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011385.D

Acq: 08 Aug 2019 12:32

Instrument :

MSVOA_X

ClientSampleId :

VX0808WBSD01

Tot Ion: 94 Resp: 20344

Ion Ratio Lower Upper

94 100

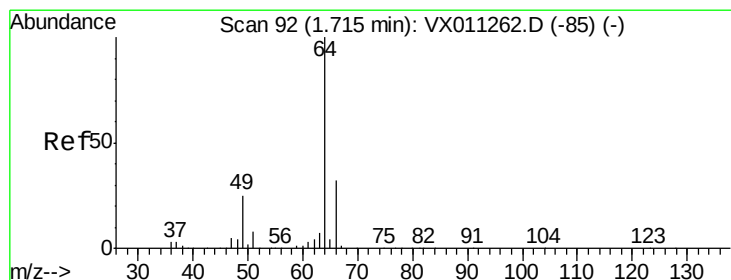
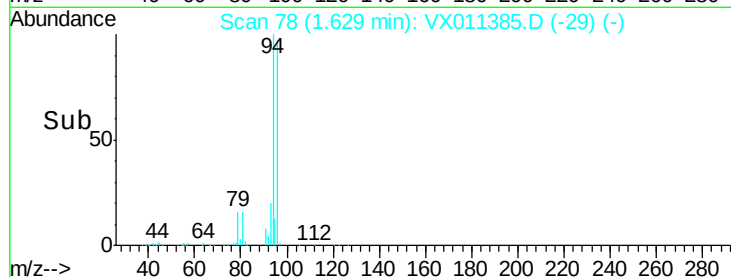
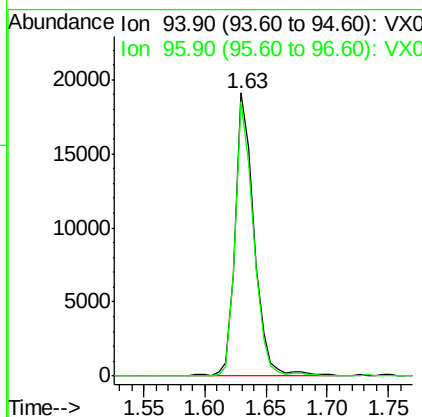
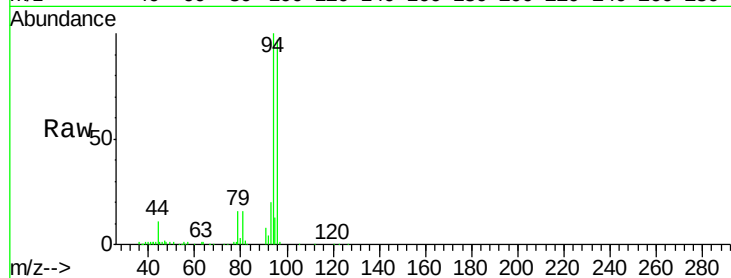
96 96.7 74.6 112.0

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#6

Chloroethane

Concen: 17.201 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011385.D

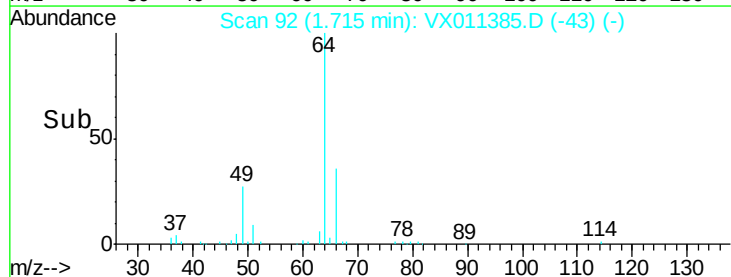
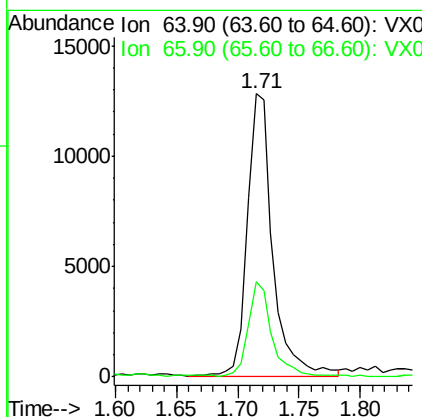
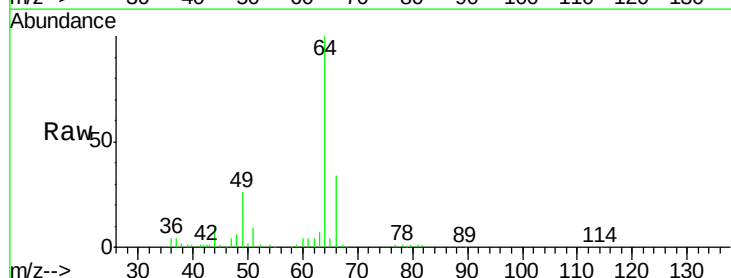
Acq: 08 Aug 2019 12:32

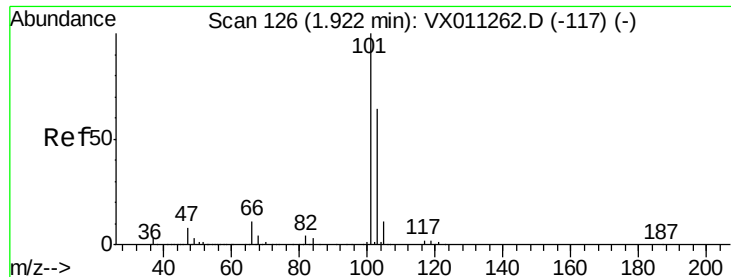
Tgt Ion: 64 Resp: 18380

Ion Ratio Lower Upper

64 100

66 33.5 25.1 37.7





#7

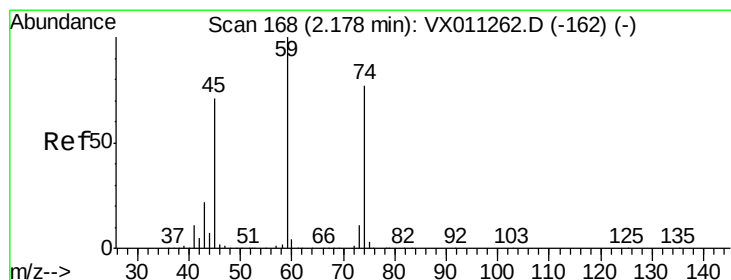
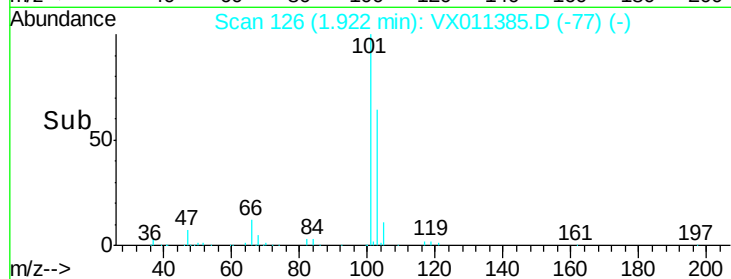
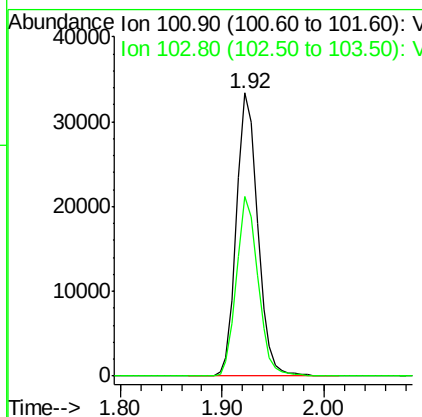
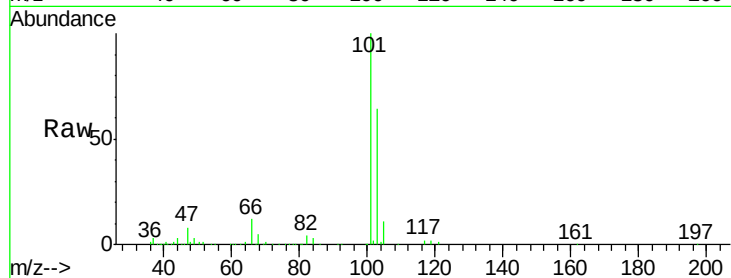
Trichlorofluoromethane
Concen: 17.219 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX011385.D
Acq: 08 Aug 2019 12:32

Instrument :
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ClientSampleId :
VX0808WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		48044		
103	63.7	50.9	76.3		

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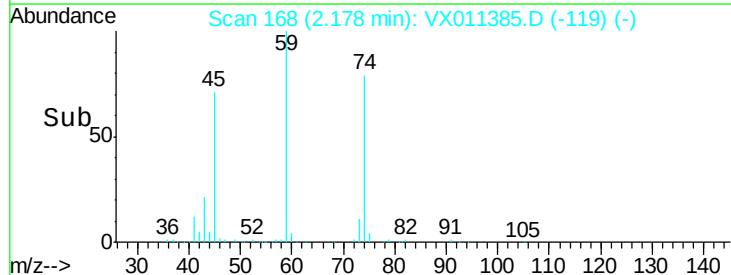
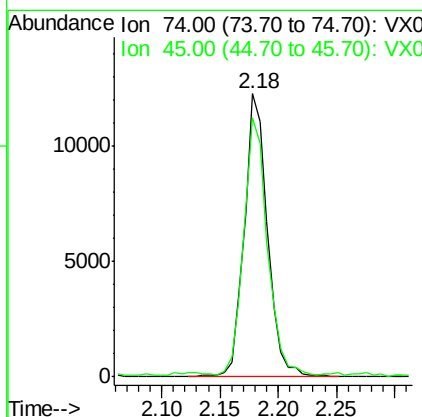
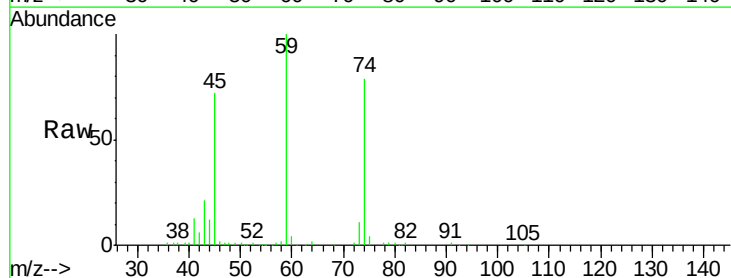
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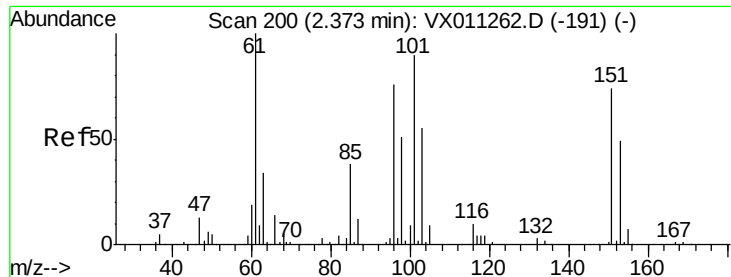


#8

Diethyl Ether
Concen: 17.180 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011385.D
Acq: 08 Aug 2019 12:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		17116		
45	93.1	46.1	138.3		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.384 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX011385.D

Acq: 08 Aug 2019 12:32

Instrument :

MSVOA_X

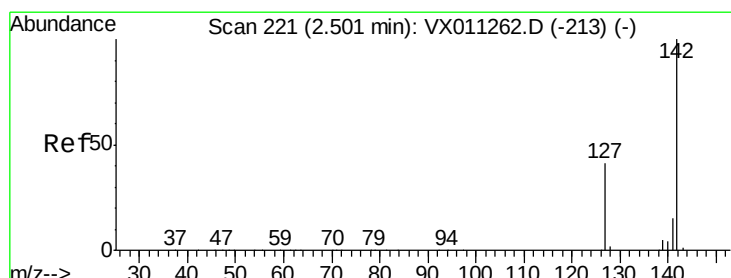
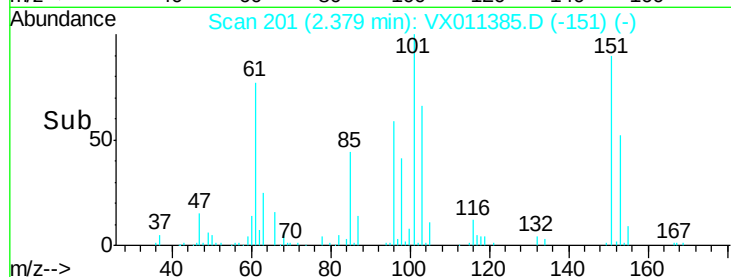
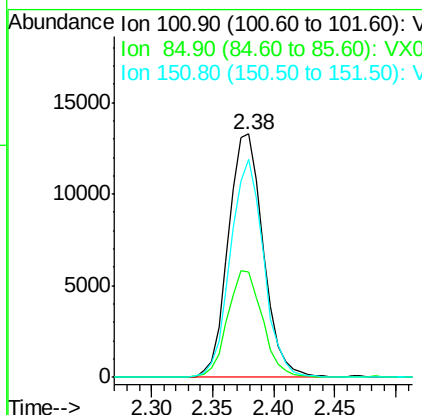
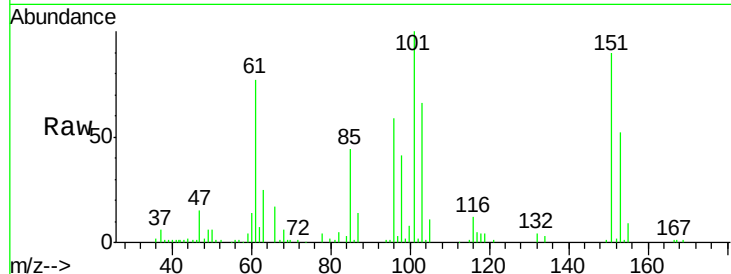
ClientSampled :

VX0808WBSD01

Tot Ion:	101	Resp:	26245
Ion Ratio	Lower	Upper	
101	100		
85	43.8	33.8	50.6
151	85.1	69.5	104.3

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#10

Methyl Iodide

Concen: 16.381 ug/l

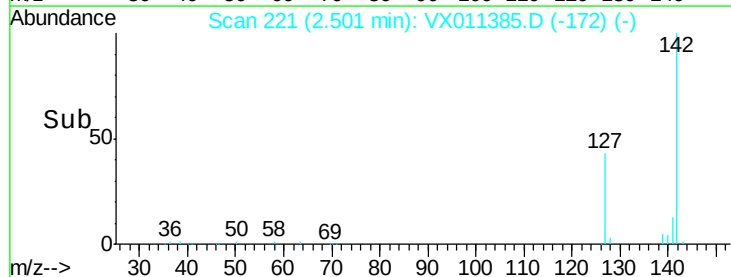
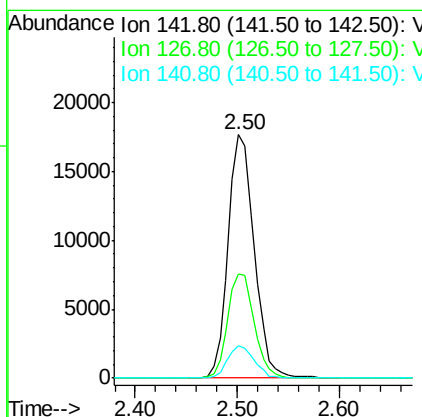
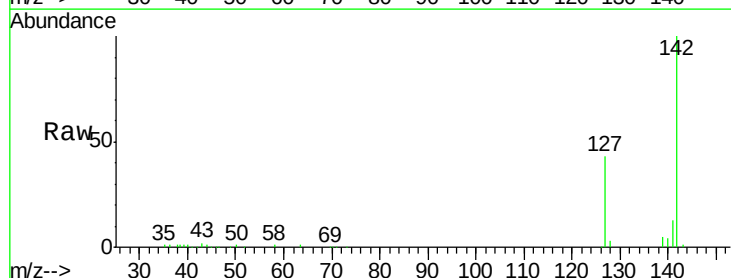
RT: 2.50 min Scan# 221

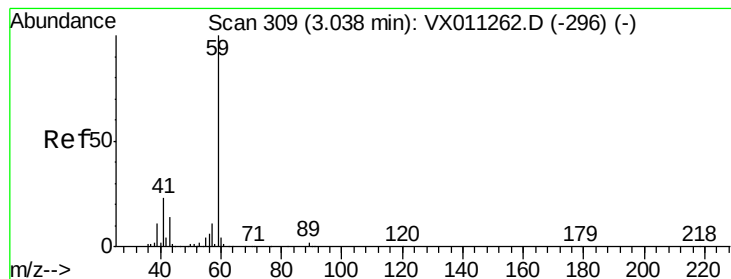
Delta R.T. 0.00 min

Lab File: VX011385.D

Acq: 08 Aug 2019 12:32

Tgt Ion:	142	Resp:	31179
Ion Ratio	Lower	Upper	
142	100		
127	43.7	33.8	50.8
141	13.6	11.4	17.2





#11

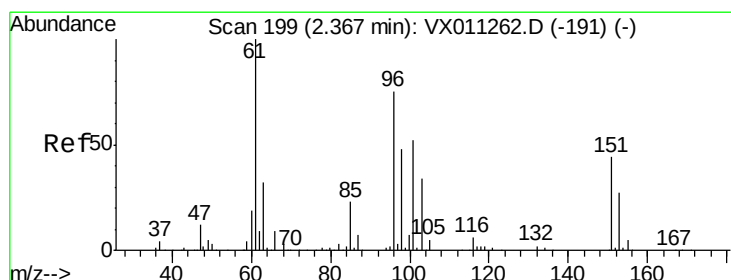
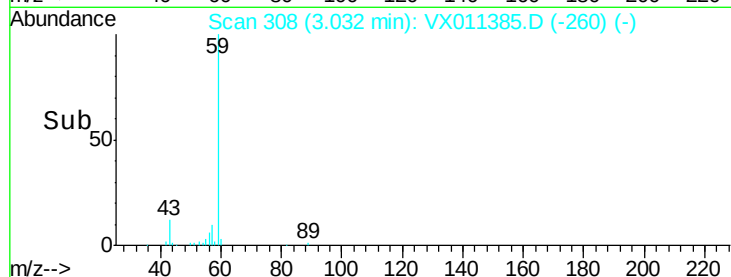
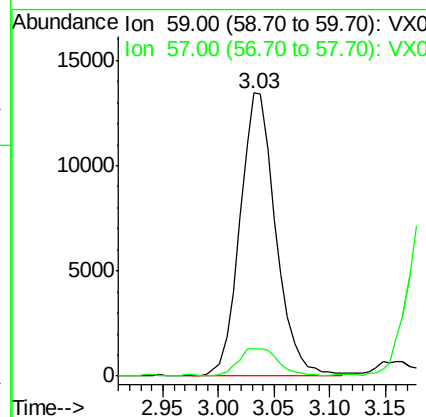
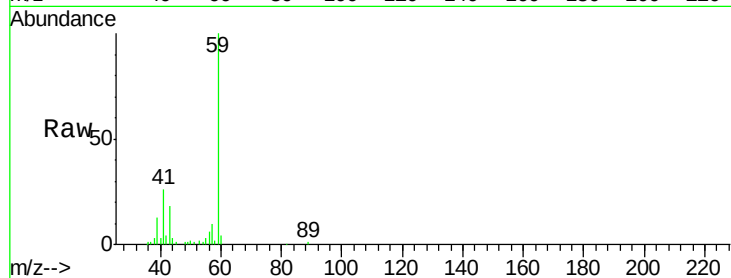
Tert butyl alcohol
 Concen: 90.829 ug/l
 RT: 3.03 min Scan# 308
 Delta R.T. -0.01 min
 Lab File: VX011385.D
 Acq: 08 Aug 2019 12:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0808WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.3	12.5

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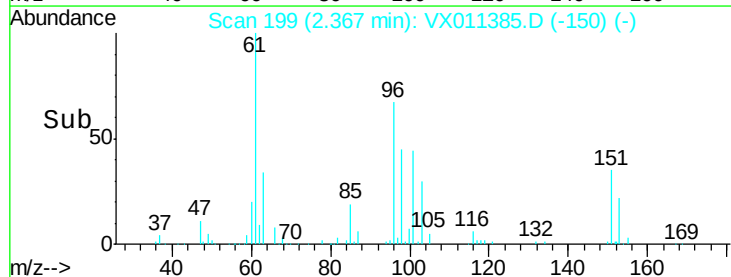
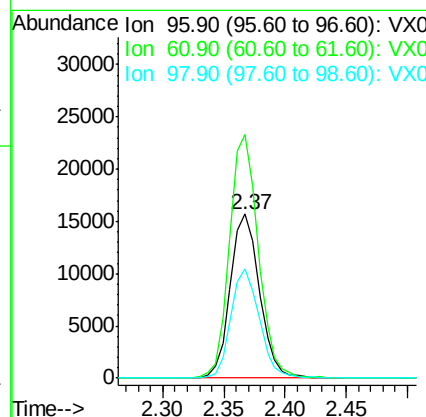
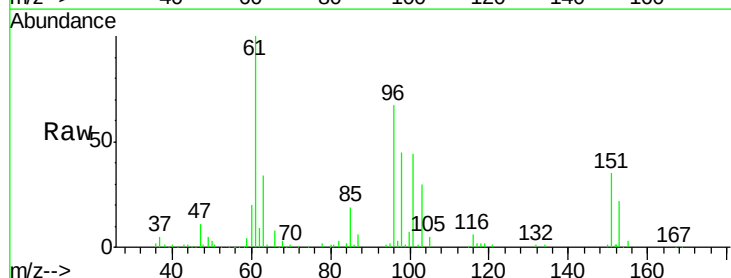
MMDadoda
 8/9/2019 11:08:11 AM

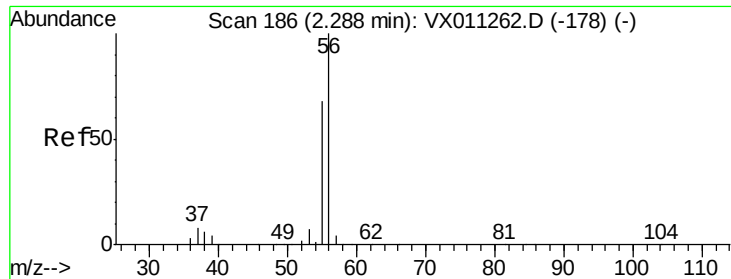


#12

1,1-Dichloroethene
 Concen: 17.371 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. 0.00 min
 Lab File: VX011385.D
 Acq: 08 Aug 2019 12:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.4	106.2	159.2
98	66.3	50.6	75.8





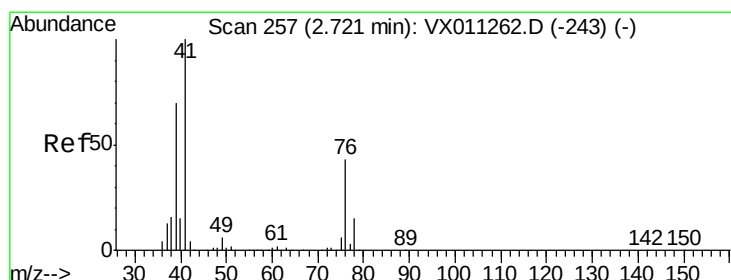
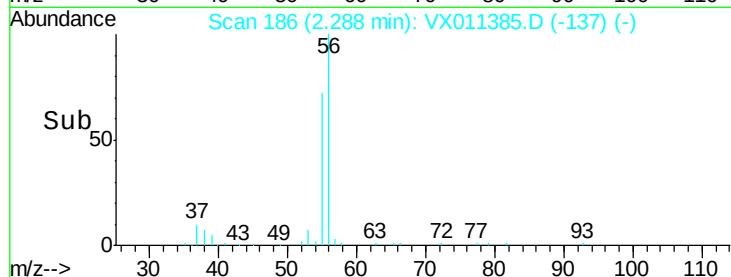
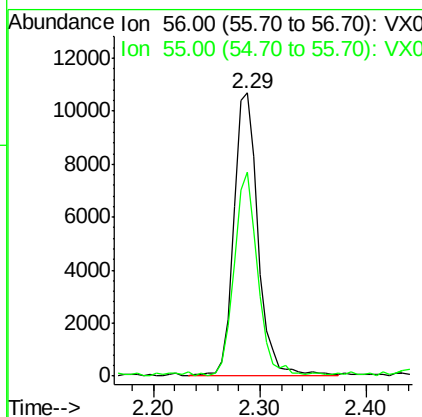
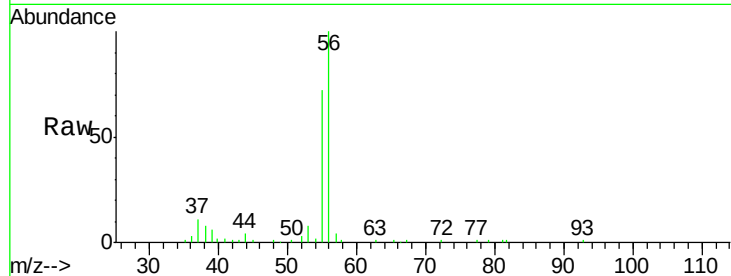
#13
Acrolein
Concen: 83.258 ug/l
RT: 2.29 min Scan# 186
Delta R.T. 0.00 min
Lab File: VX011385.D
Acq: 08 Aug 2019 12:32

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBSD01

Tot Ion	56	Resp	17148
Ion Ratio	100	Lower	Upper
55	69.9	56.0	84.0

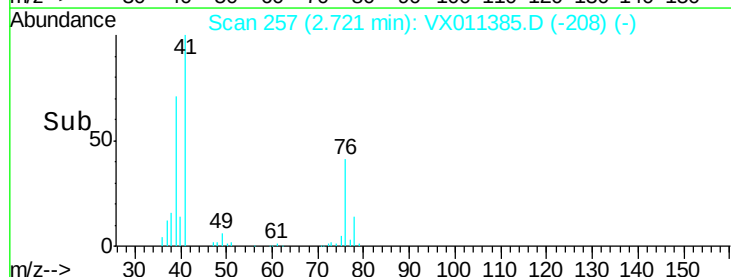
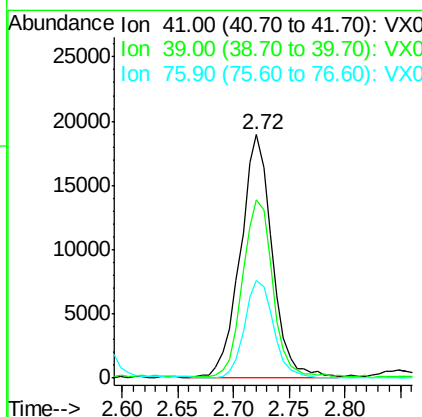
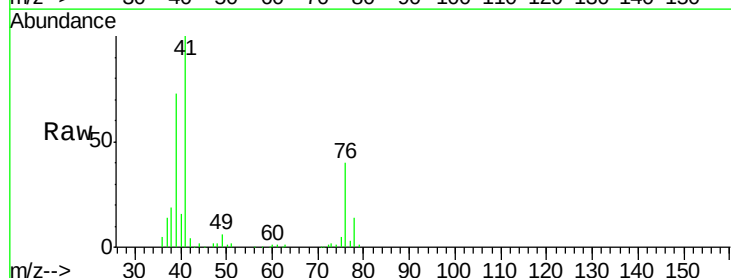
Manual Integrations
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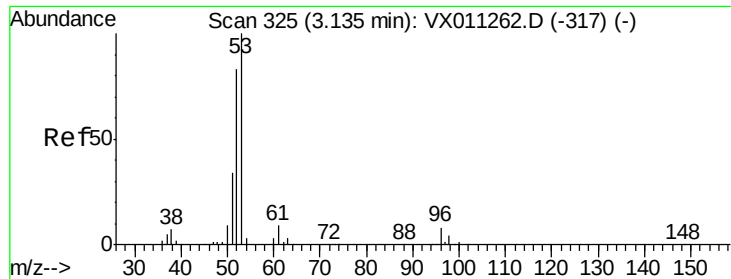
MMDadoda
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#14
Allyl chloride
Concen: 18.748 ug/l
RT: 2.72 min Scan# 257
Delta R.T. 0.00 min
Lab File: VX011385.D
Acq: 08 Aug 2019 12:32

Tgt Ion	41	Resp	37403
Ion Ratio	100	Lower	Upper
39	69.3	52.8	79.2
76	37.0	31.1	46.7





#15

Acrylonitrile

Concen: 95.438 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011385.D

Acq: 08 Aug 2019 12:32

Instrument :

MSVOA_X

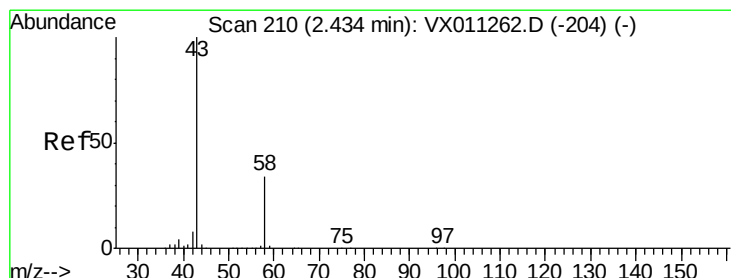
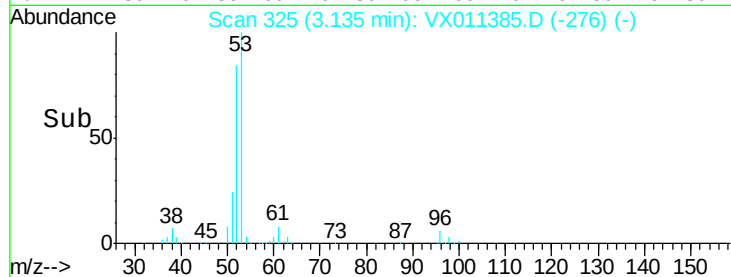
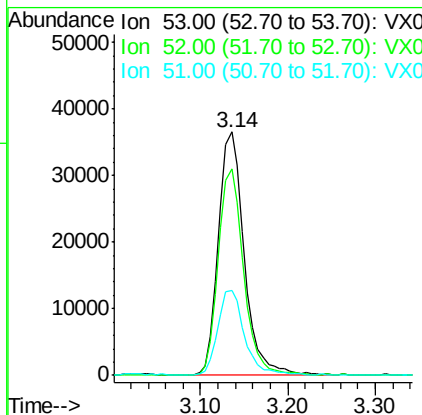
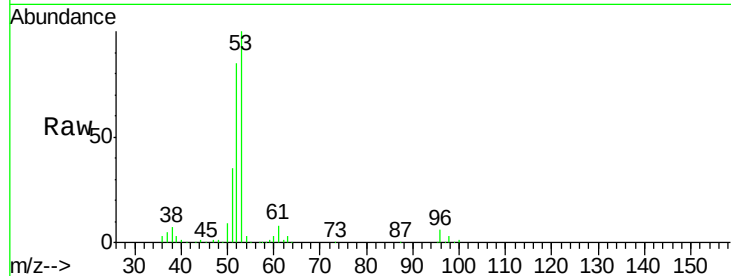
ClientSampleId :

VX0808WBSD01

Tot Ion:	53	Resp:	75225
Ion Ratio	Lower	Upper	
53	100		
52	83.0	65.5	98.3
51	36.4	27.9	41.9

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#16

Acetone

Concen: 86.436 ug/l

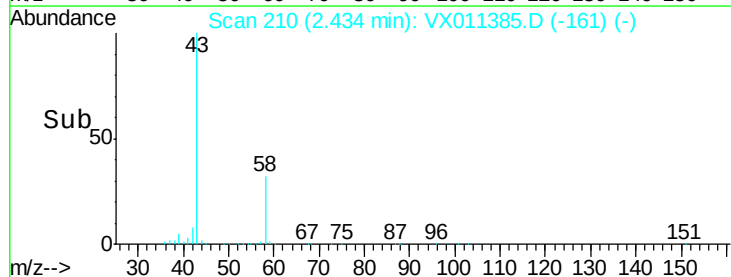
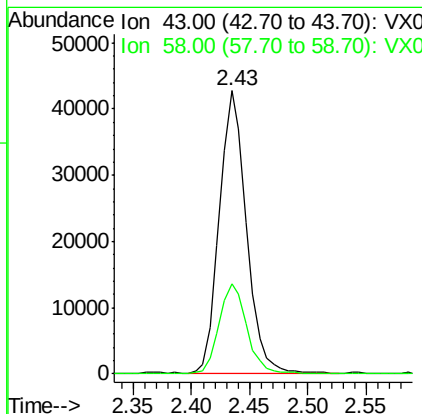
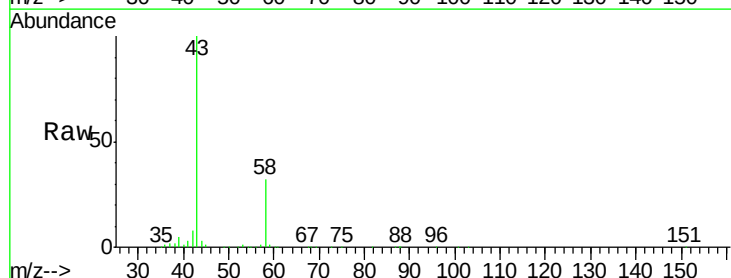
RT: 2.43 min Scan# 210

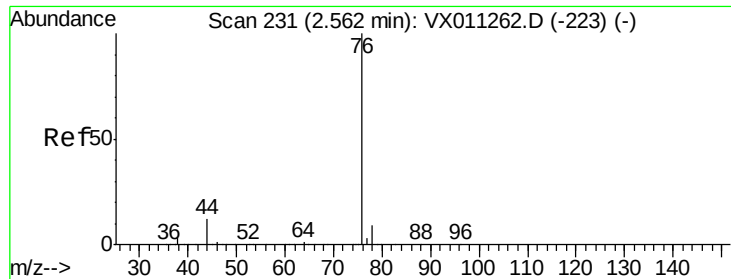
Delta R.T. 0.00 min

Lab File: VX011385.D

Acq: 08 Aug 2019 12:32

Tgt Ion:	43	Resp:	68148
Ion Ratio	Lower	Upper	
43	100		
58	31.8	27.4	41.0





#17

Carbon Disulfide

Concen: 16.408 ug/l

RT: 2.56 min Scan# 231

Delta R.T. 0.00 min

Lab File: VX011385.D

Acq: 08 Aug 2019 12:32

Instrument :

MSVOA_X

ClientSampleId :

VX0808WBSD01

Tot Ion: 76 Resp: 57623

Ion Ratio Lower Upper

76 100

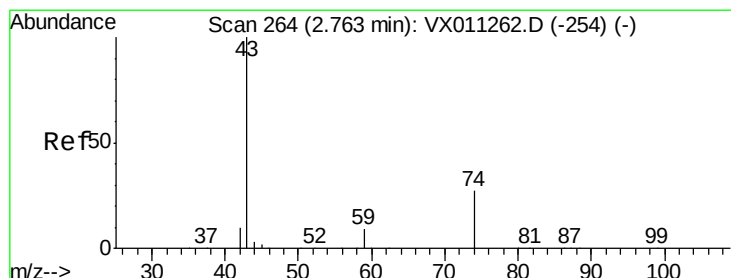
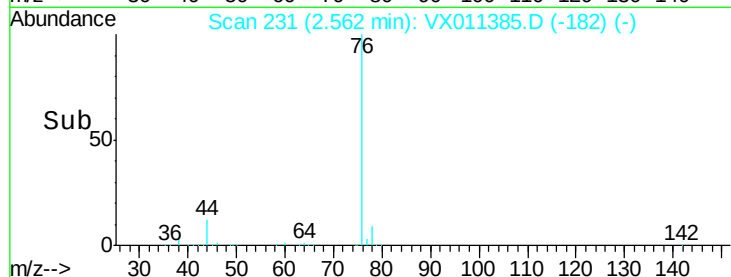
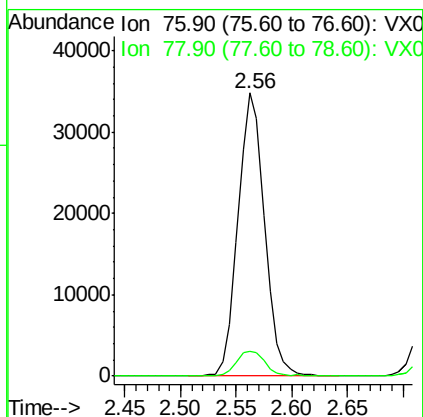
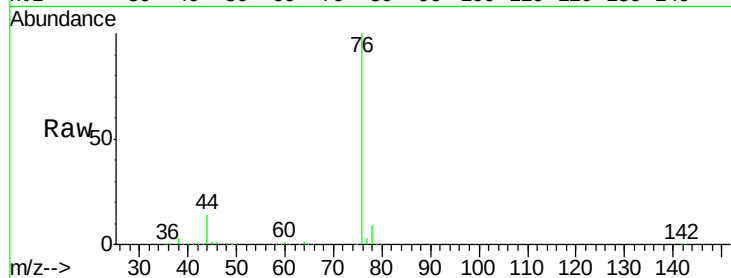
78 8.8 7.4 11.0

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#18

Methyl Acetate

Concen: 19.707 ug/l

RT: 2.76 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011385.D

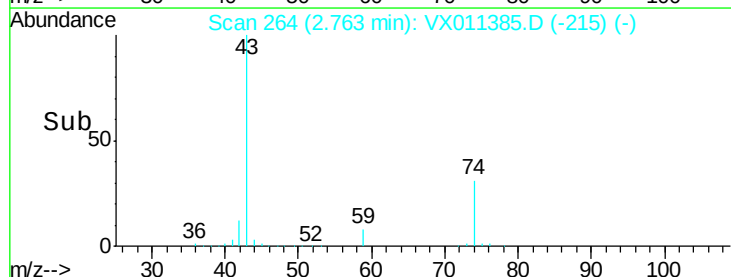
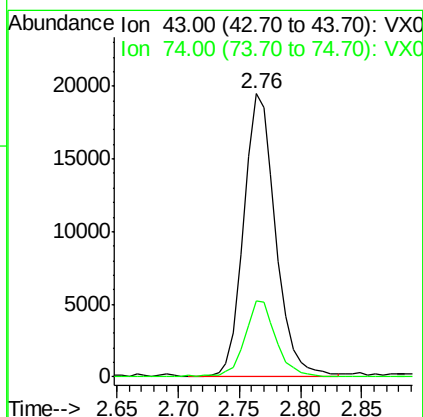
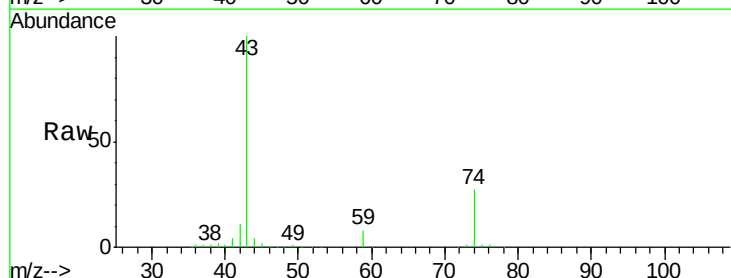
Acq: 08 Aug 2019 12:32

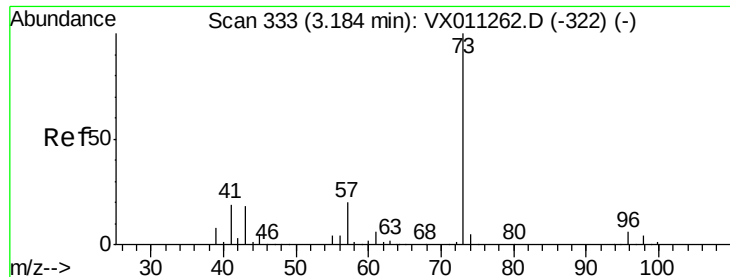
Tgt Ion: 43 Resp: 35508

Ion Ratio Lower Upper

43 100

74 26.4 21.0 31.6





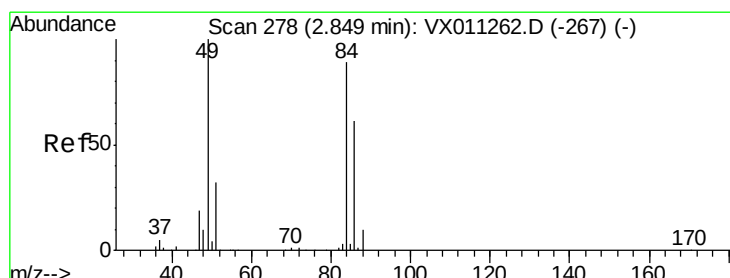
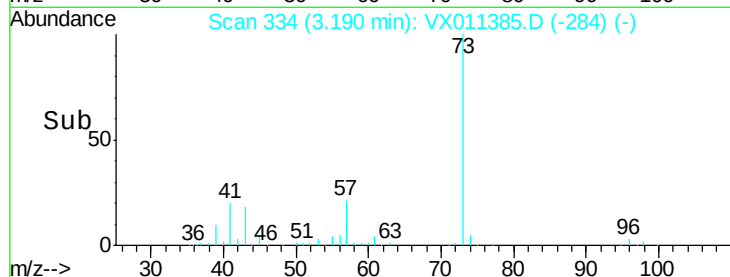
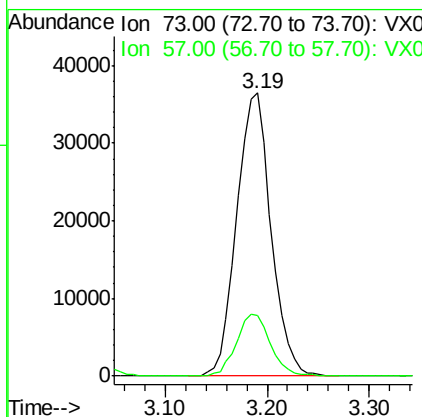
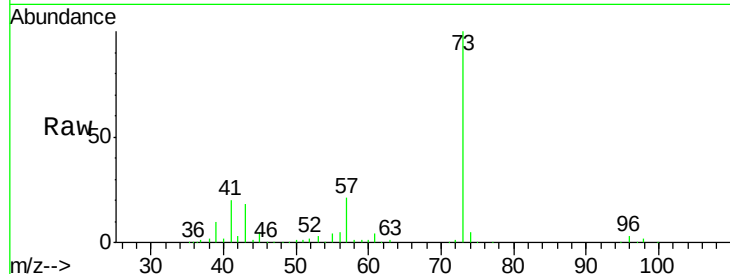
#19
Methyl tert-butyl Ether
Concen: 19.314 ug/l
RT: 3.19 min Scan# 334
Delta R.T. 0.01 min
Lab File: VX011385.D
Acq: 08 Aug 2019 12:32

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.5	16.2	24.2

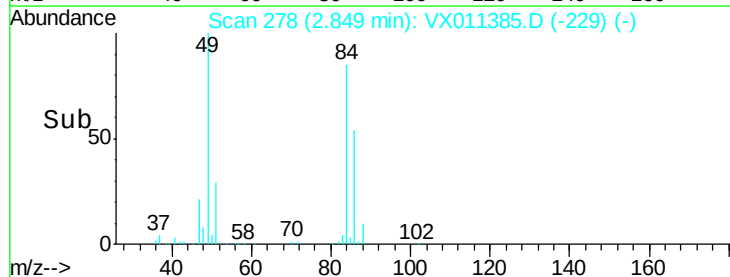
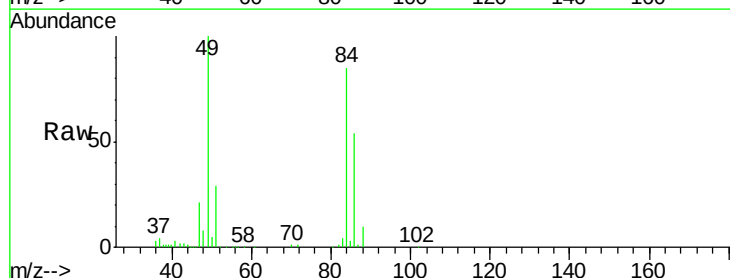
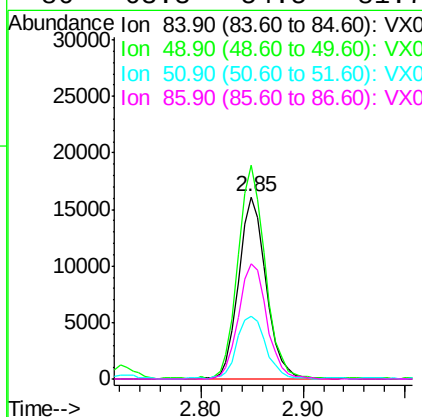
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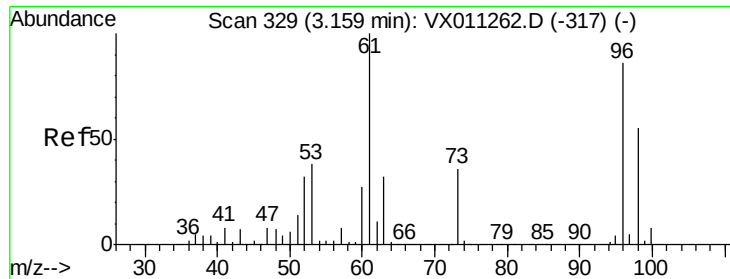
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#20
Methylene Chloride
Concen: 17.355 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011385.D
Acq: 08 Aug 2019 12:32

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.9	89.3	133.9
51	33.7	28.3	42.5
86	63.3	54.5	81.7





#21

trans-1,2-Dichloroethene

Concen: 17.781 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011385.D

Acq: 08 Aug 2019 12:32

Instrument :

MSVOA_X

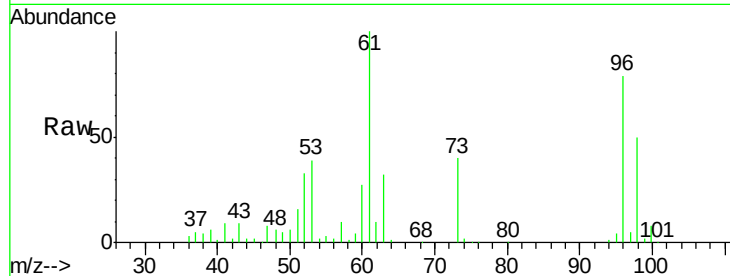
ClientSampleId :

VX0808WBSD01

Tot Ion:	96	Resp:	28148
Ion	Ratio	Lower	Upper
96	100		
61	126.6	92.8	139.2
98	63.4	51.2	76.8

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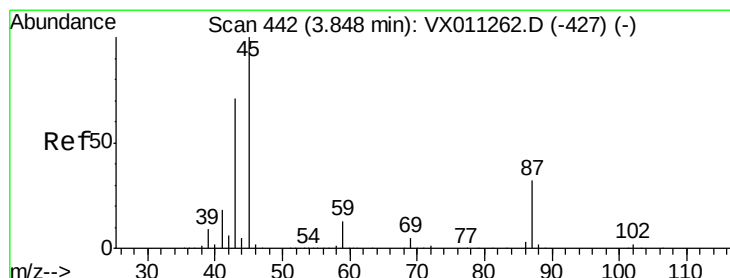
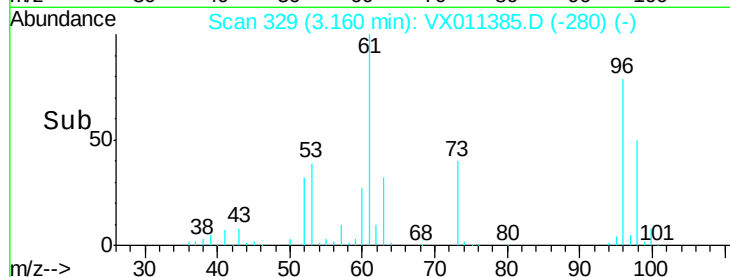
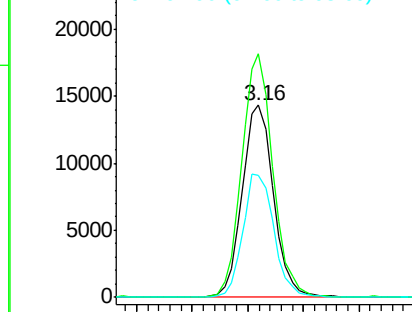


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 19.316 ug/l

RT: 3.85 min Scan# 442

Delta R.T. 0.00 min

Lab File: VX011385.D

Acq: 08 Aug 2019 12:32

Tgt Ion:	45	Resp:	84698
Ion	Ratio	Lower	Upper
45	100		
43	71.9	56.8	85.2
87	29.7	25.8	38.6
59	11.7	10.3	15.5

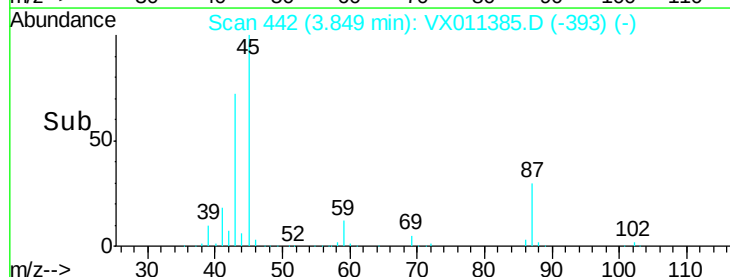
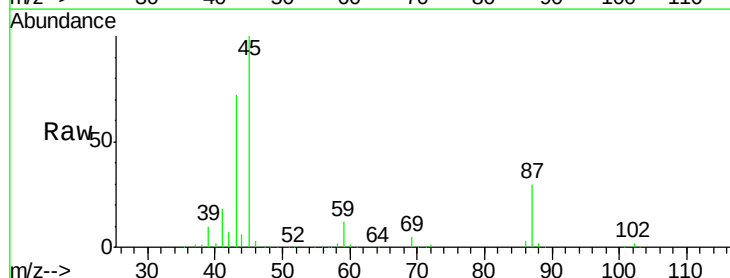
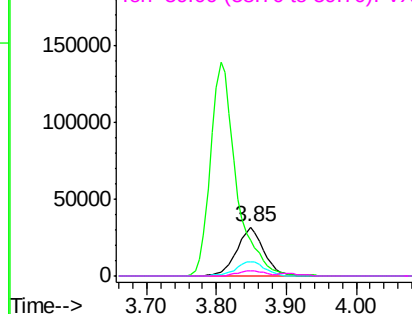
Abundance

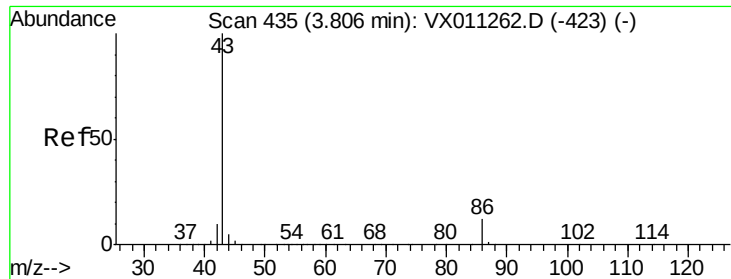
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 97.669 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011385.D

Acq: 08 Aug 2019 12:32

Instrument :

MSVOA_X

ClientSampleId :

VX0808WBSD01

Tot Ion: 43 Resp: 355199

Ion Ratio Lower Upper

43 100

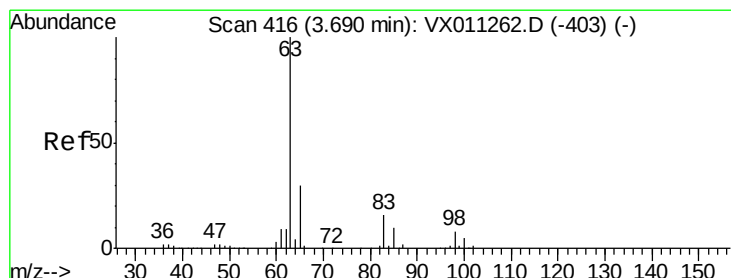
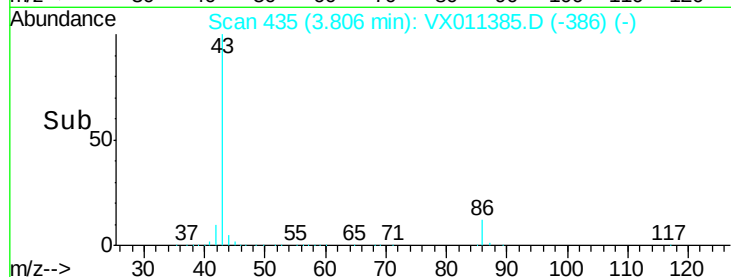
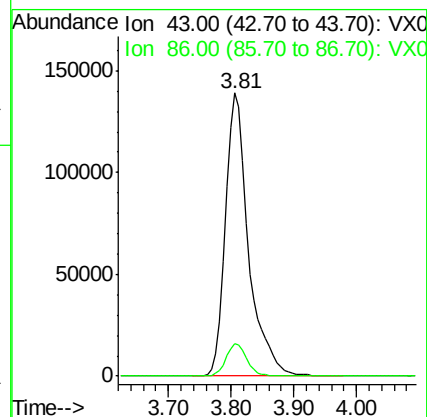
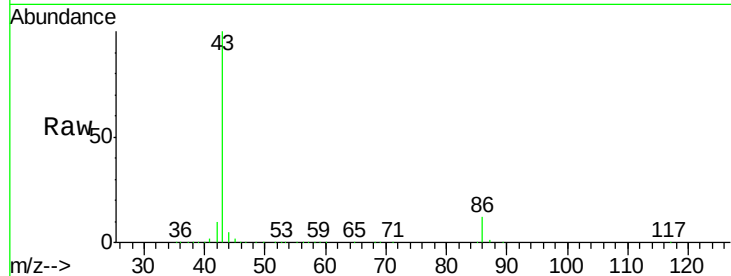
86 11.6 9.6 14.4

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#24

1,1-Dichloroethane

Concen: 18.602 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011385.D

Acq: 08 Aug 2019 12:32

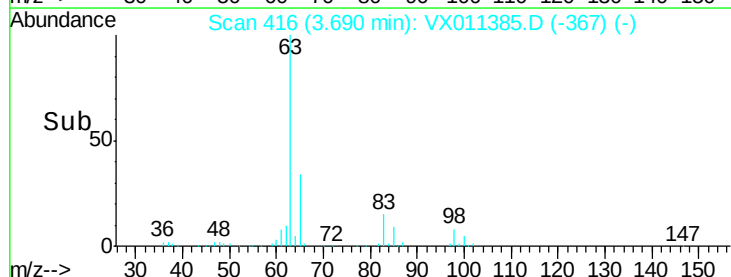
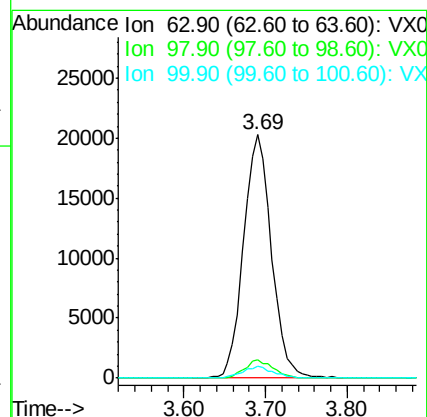
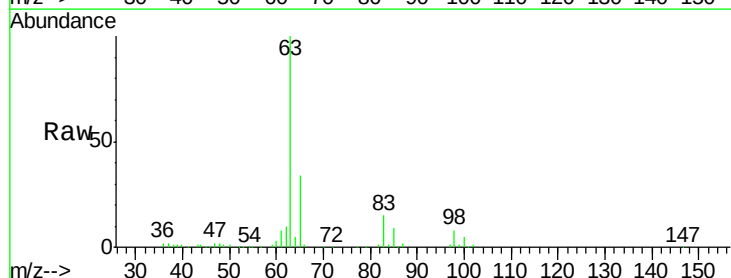
Tgt Ion: 63 Resp: 48096

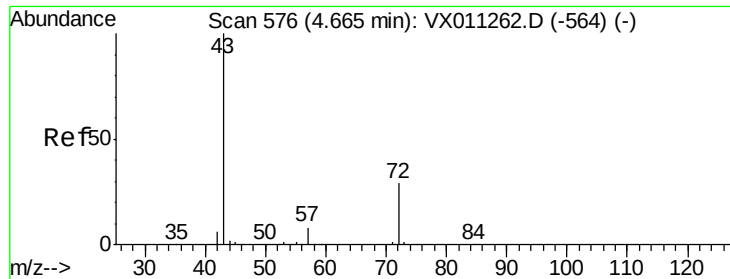
Ion Ratio Lower Upper

63 100

98 7.6 3.9 11.5

100 5.0 2.7 8.1





#25

2-Butanone

Concen: 94.827 ug/l

RT: 4.66 min Scan# 575

Delta R.T. -0.01 min

Lab File: VX011385.D

Acq: 08 Aug 2019 12:32

Instrument :

MSVOA_X

ClientSampleId :

VX0808WBSD01

Tot Ion: 43 Resp: 106351

Ion Ratio Lower Upper

43 100

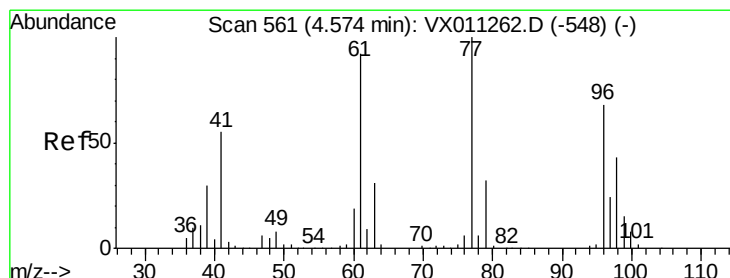
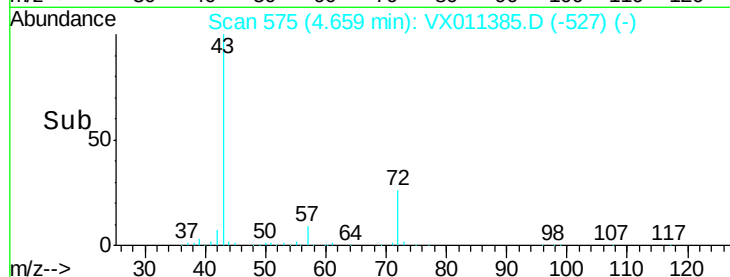
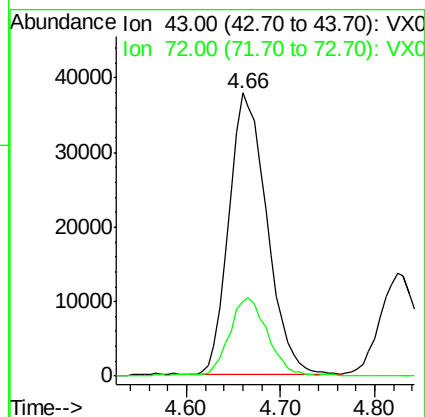
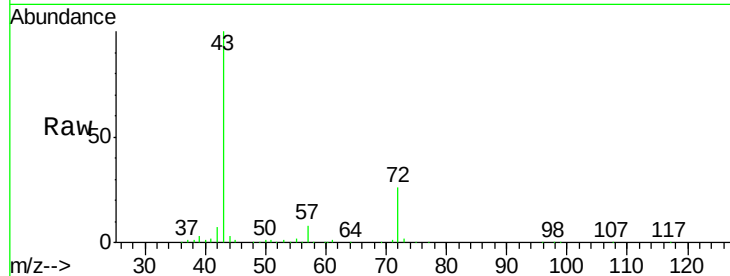
72 26.2 23.2 34.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.488 ug/l

RT: 4.57 min Scan# 561

Delta R.T. 0.00 min

Lab File: VX011385.D

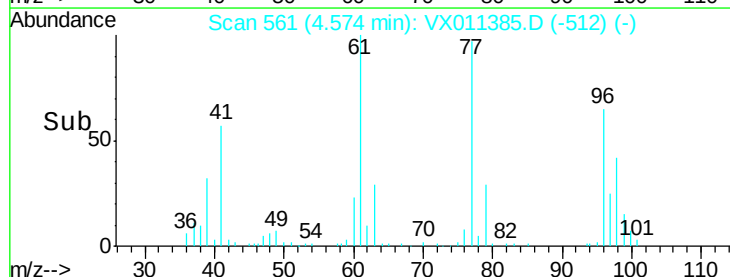
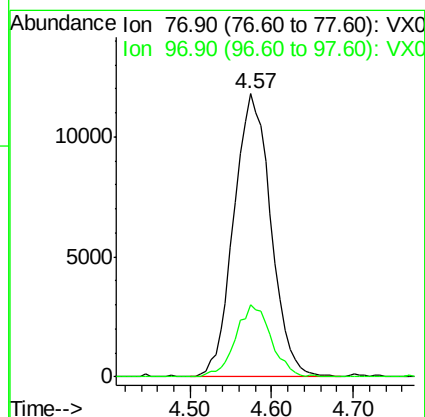
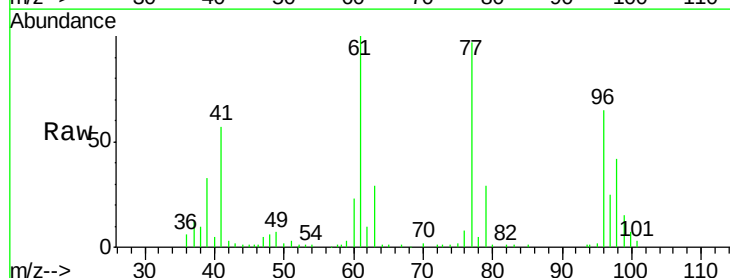
Acq: 08 Aug 2019 12:32

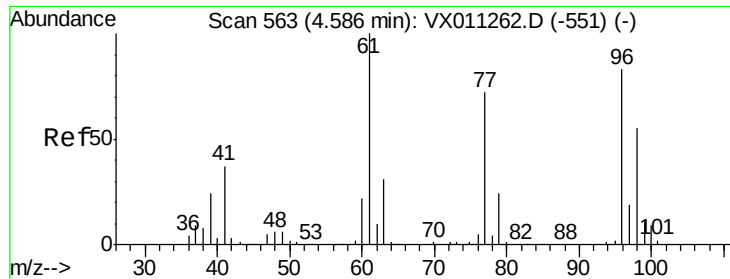
Tgt Ion: 77 Resp: 37159

Ion Ratio Lower Upper

77 100

97 24.3 12.8 38.4





#27

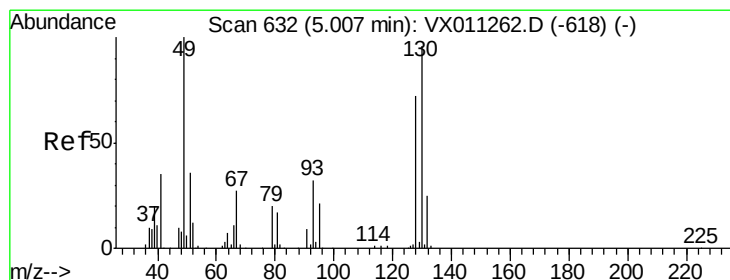
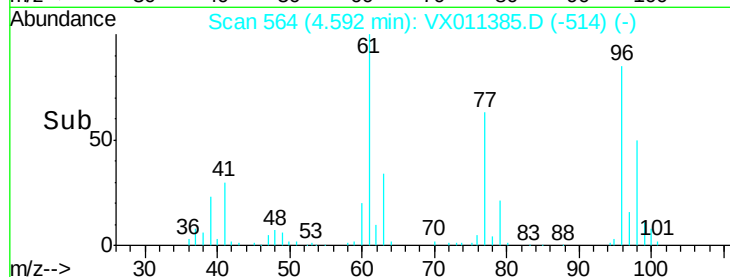
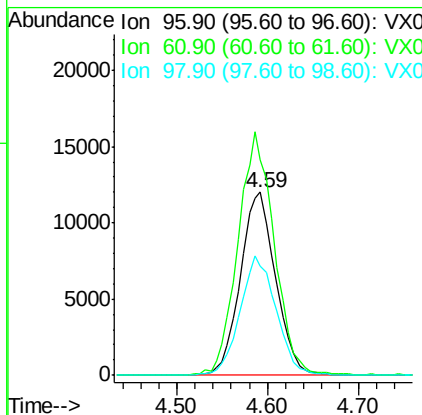
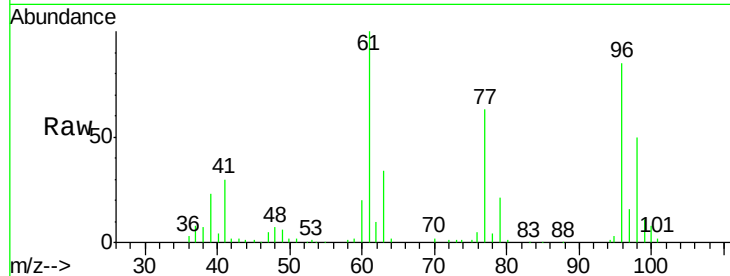
cis-1,2-Dichloroethene
Concen: 17.686 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.01 min
Lab File: VX011385.D
Acq: 08 Aug 2019 12:32

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	32248		
61	137.2		0.0	260.2
98	66.6		0.0	133.2

Manual Integrations
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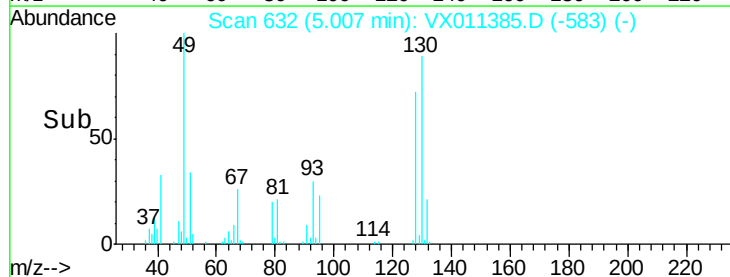
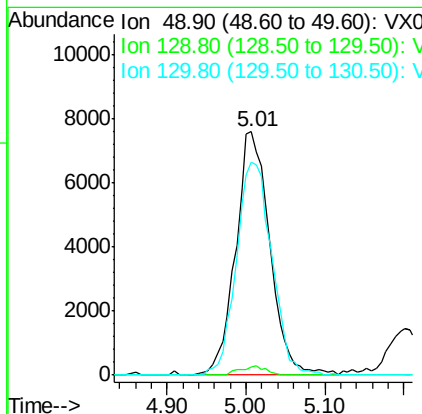
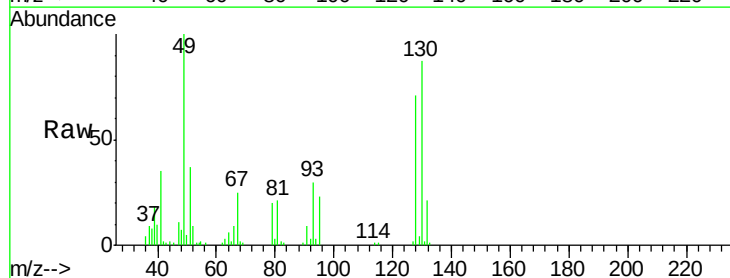
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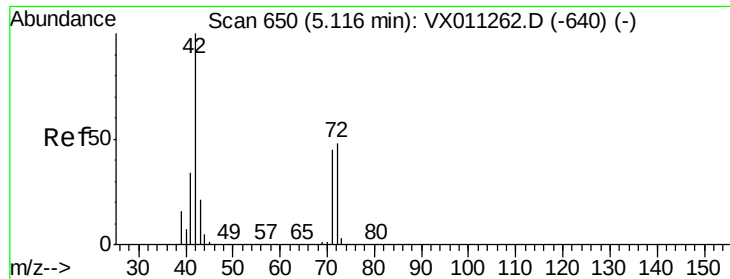


#28

Bromochloromethane
Concen: 19.520 ug/l
RT: 5.01 min Scan# 632
Delta R.T. 0.00 min
Lab File: VX011385.D
Acq: 08 Aug 2019 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	23008		
129	2.8		0.0	5.8
130	90.2		77.9	116.9





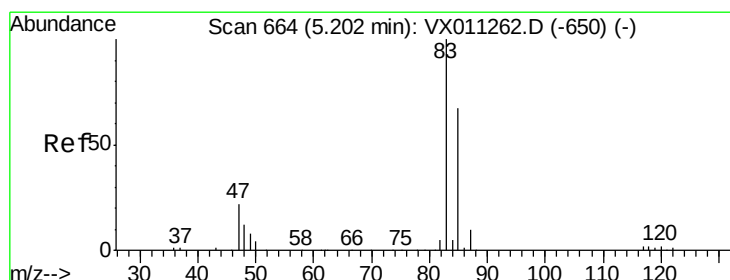
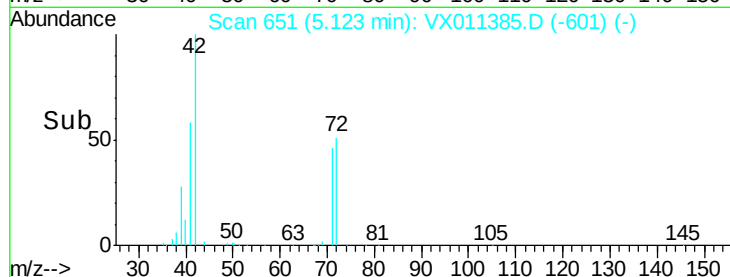
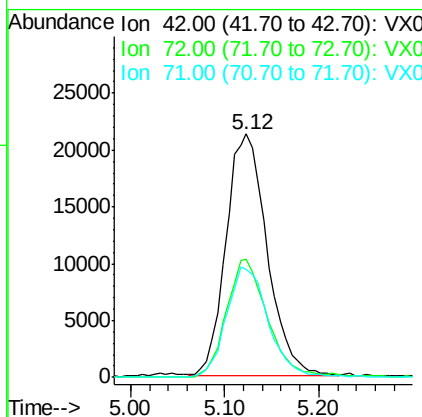
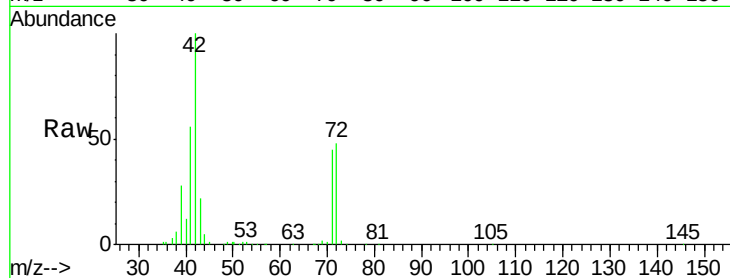
#29
Tetrahydrofuran
Concen: 93.867 ug/l
RT: 5.12 min Scan# 651
Delta R.T. 0.01 min
Lab File: VX011385.D
Acq: 08 Aug 2019 12:32

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.7	39.9	59.9
71	46.5	36.9	55.3

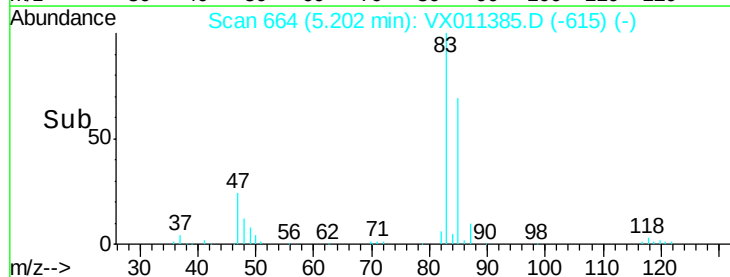
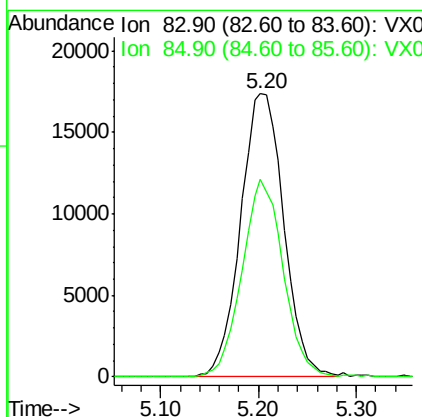
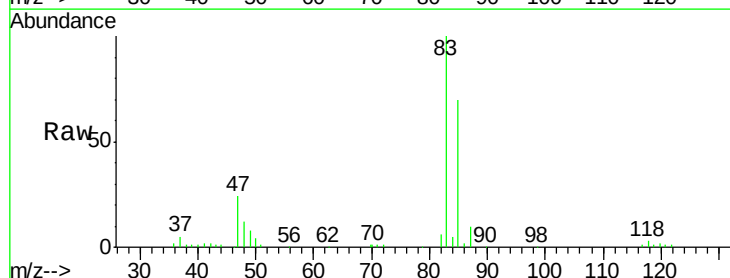
Manual Integrations
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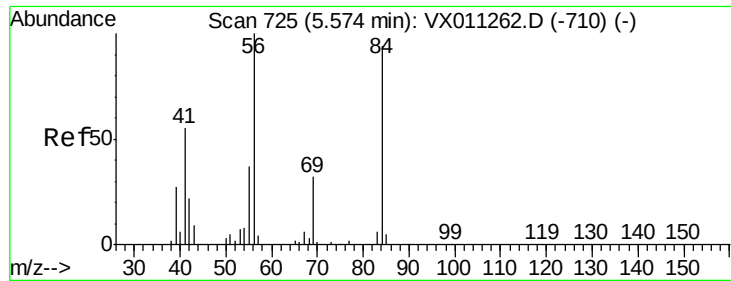
MMDadoda
8/9/2019 11:08:11 AM



#30
Chloroform
Concen: 18.911 ug/l
RT: 5.20 min Scan# 664
Delta R.T. 0.00 min
Lab File: VX011385.D
Acq: 08 Aug 2019 12:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	70.0	53.4	80.0





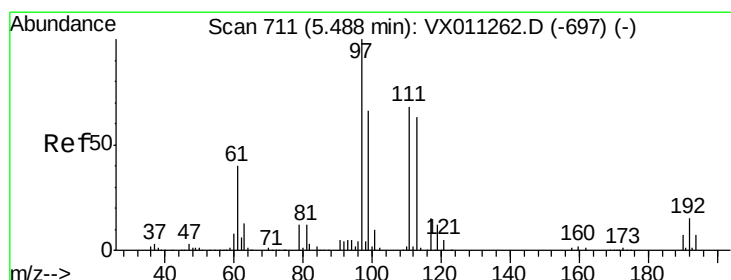
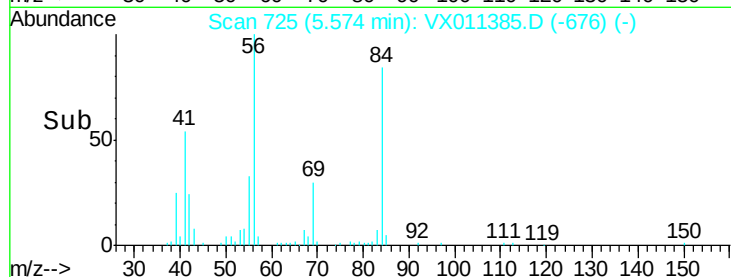
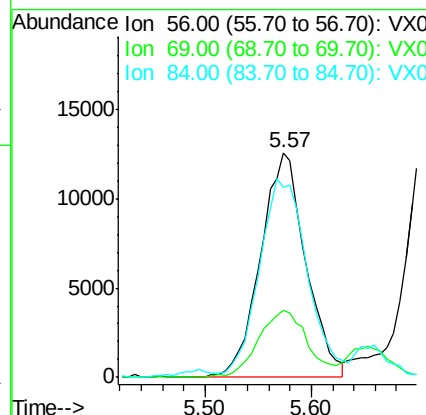
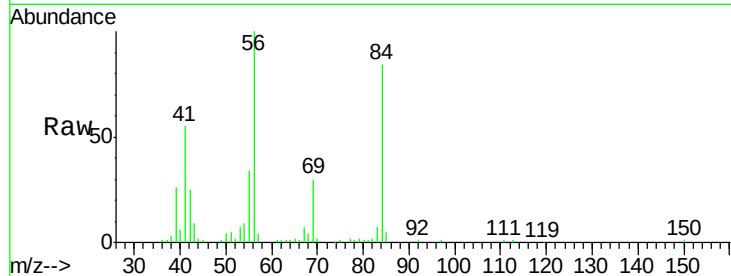
#31
Cyclohexane
Concen: 17.456 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX011385.D
Acq: 08 Aug 2019 12:32

Instrument :
MSVOA_X
ClientSampled :
VX0808WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.6	25.5	38.3
84	81.6	75.0	112.4

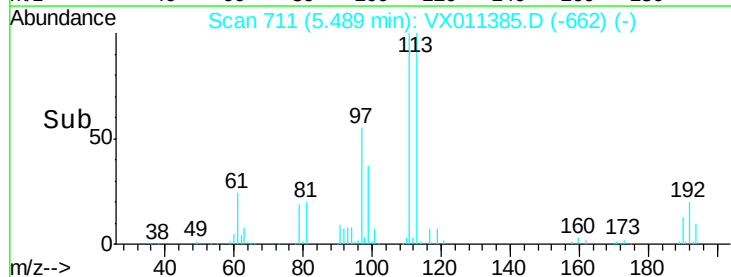
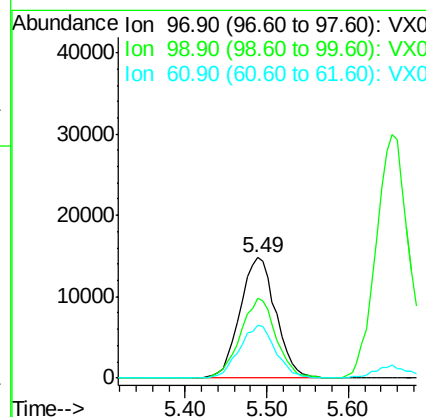
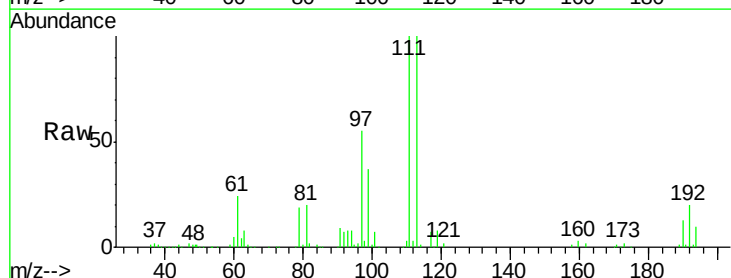
Manual Integrations
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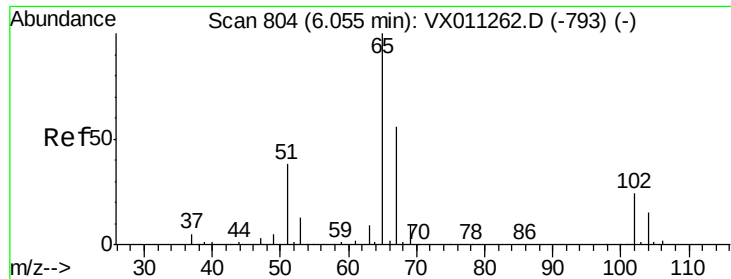
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#32
1,1,1-Trichloroethane
Concen: 18.791 ug/l
RT: 5.49 min Scan# 711
Delta R.T. 0.00 min
Lab File: VX011385.D
Acq: 08 Aug 2019 12:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.6	77.4
61	44.1	32.3	48.5





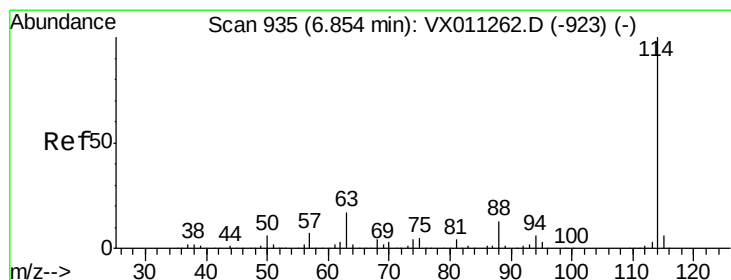
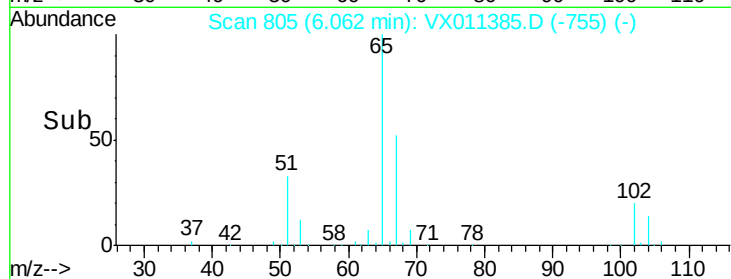
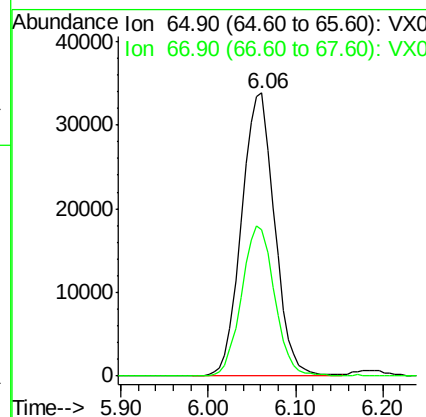
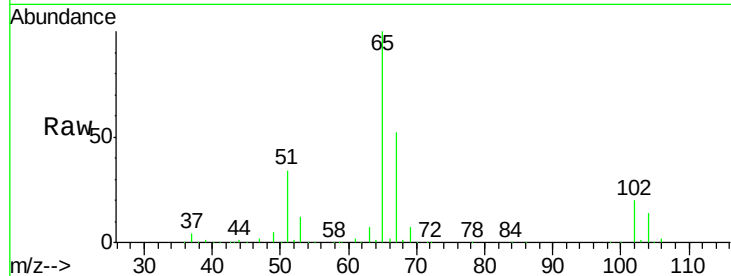
#33
 1,2-Dichloroethane-d4
 Concen: 53.711 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.01 min
 Lab File: VX011385.D
 Acq: 08 Aug 2019 12:32

Instrument :
 MSVOA_X
 ClientSampled :
 VX0808WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	88967		
67	52.8	0.0	110.6	

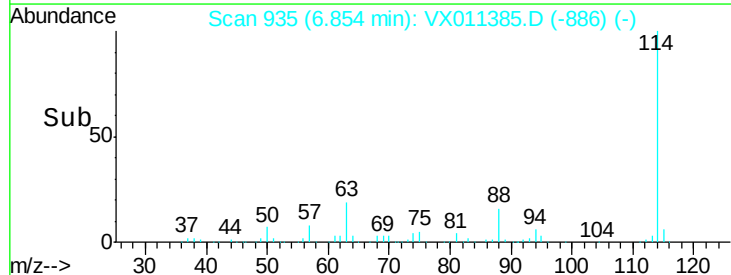
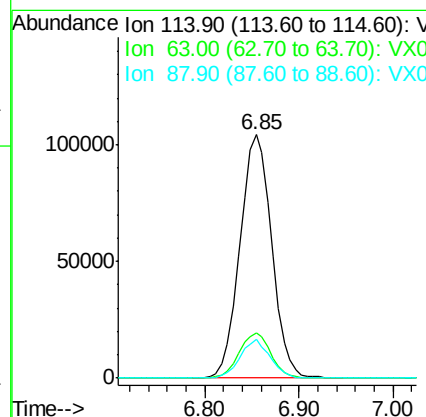
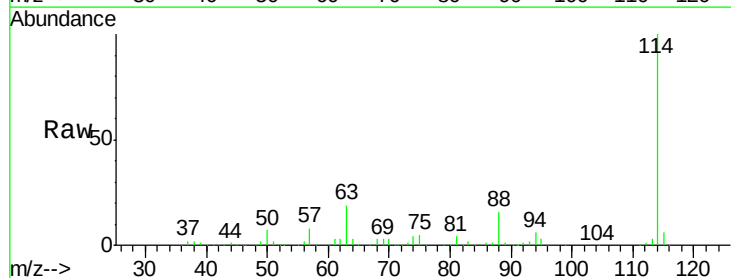
Manual Integrations
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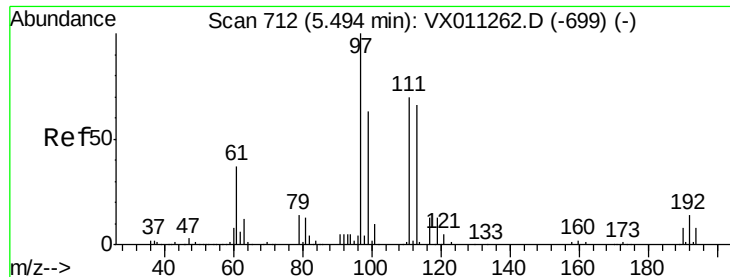
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011385.D
 Acq: 08 Aug 2019 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	245536		
63	18.5	0.0	34.0	
88	15.8	0.0	26.4	





#35

Dibromofluoromethane

Concen: 48.324 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011385.D

Acq: 08 Aug 2019 12:32

Instrument :

MSVOA_X

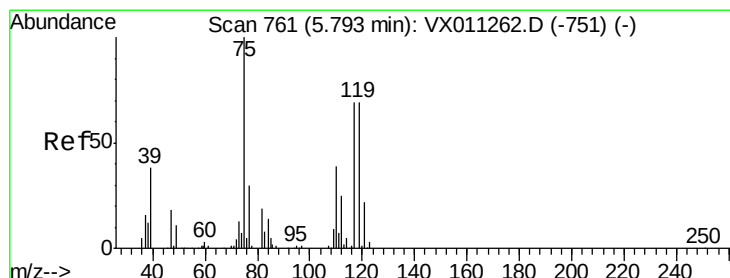
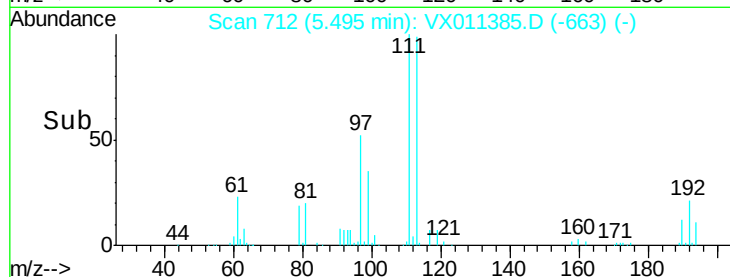
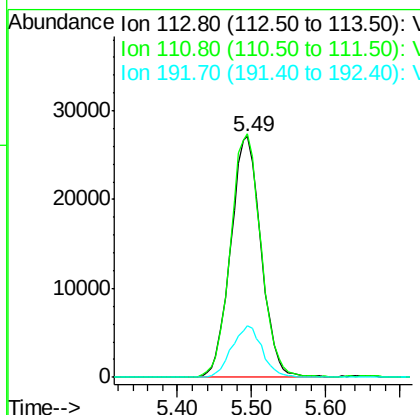
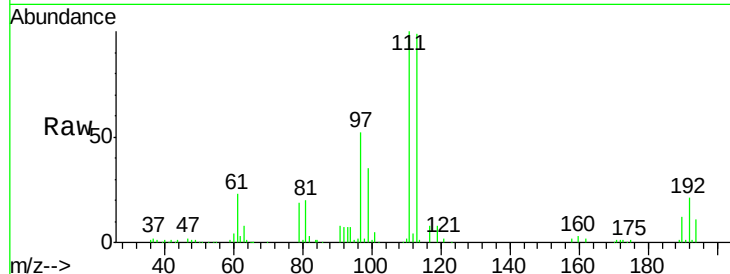
ClientSampleId :

VX0808WBSD01

Tot Ion:	113	Resp:	77465
Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.9	122.9
192	21.4	17.8	26.8

Manual Integrations
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8/9/2019 11:08:11 AM



#36

1,1-Dichloropropene

Concen: 17.161 ug/l

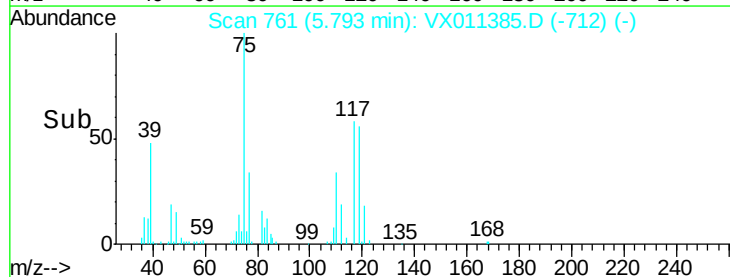
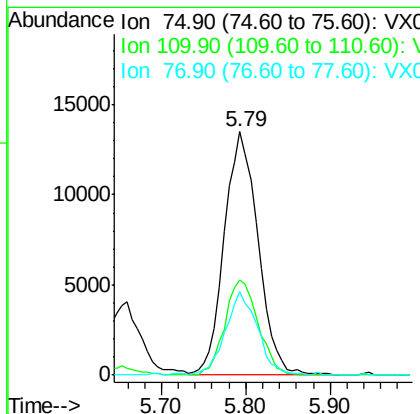
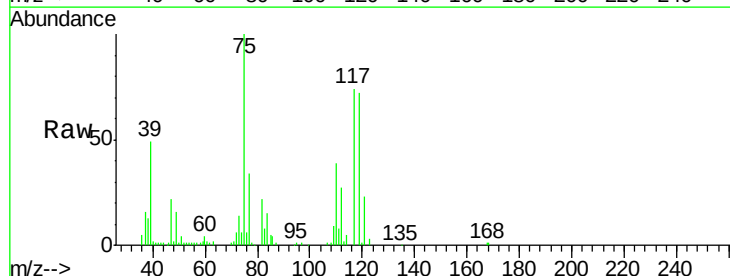
RT: 5.79 min Scan# 761

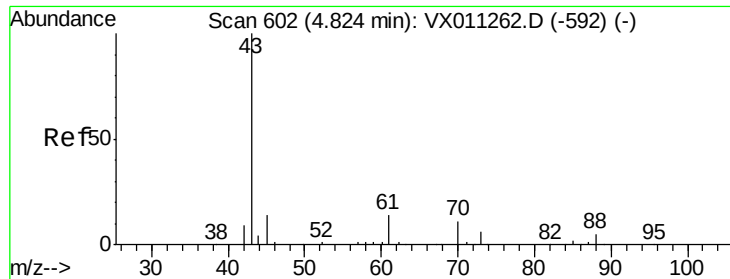
Delta R.T. 0.00 min

Lab File: VX011385.D

Acq: 08 Aug 2019 12:32

Tgt Ion:	75	Resp:	36790
Ion	Ratio	Lower	Upper
75	100		
110	38.4	20.0	59.9
77	32.6	24.8	37.2





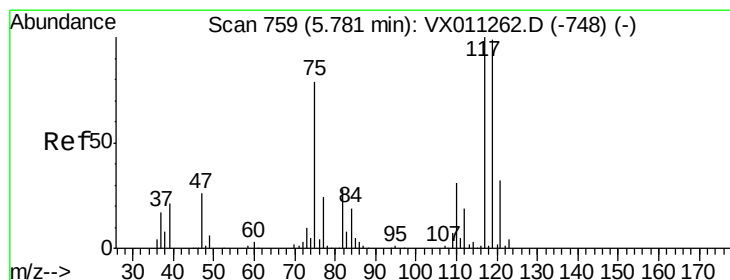
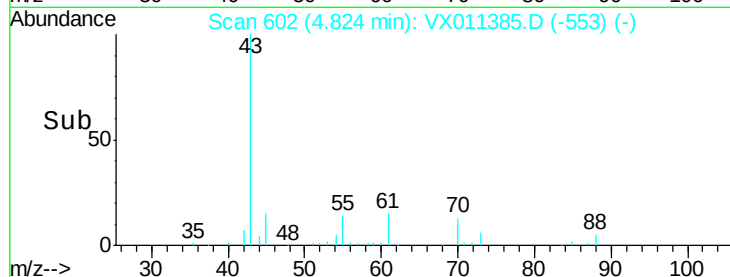
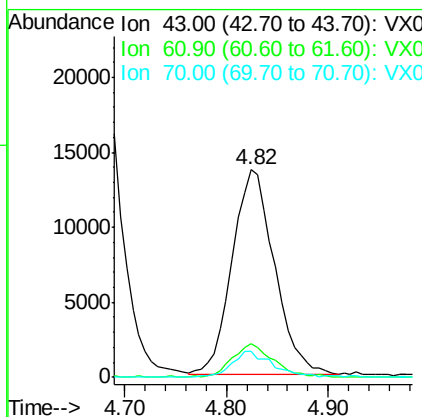
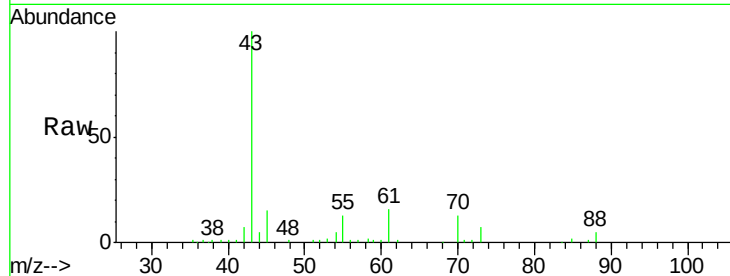
#37
Ethyl Acetate
Concen: 18.184 ug/l
RT: 4.82 min Scan# 602
Delta R.T. 0.00 min
Lab File: VX011385.D
Acq: 08 Aug 2019 12:32

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.0	12.6	18.8
70	12.4	9.1	13.7

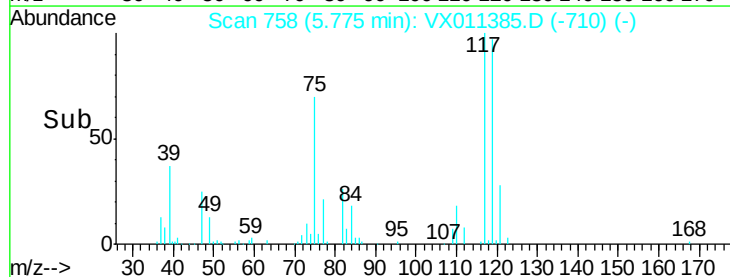
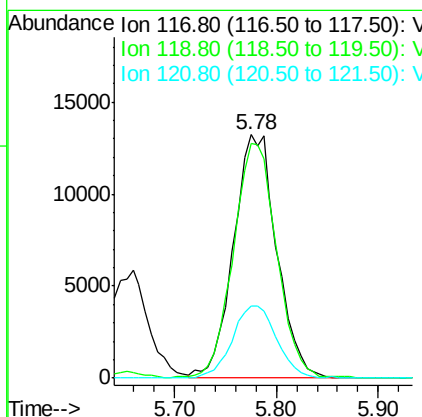
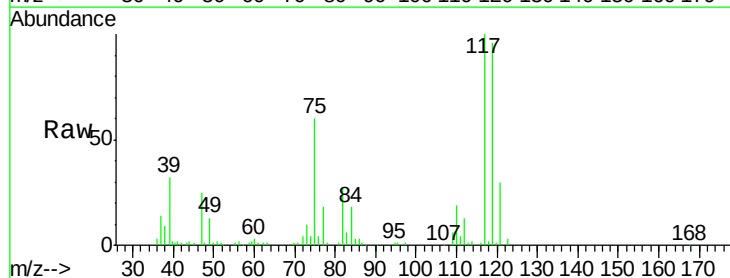
Manual Integrations
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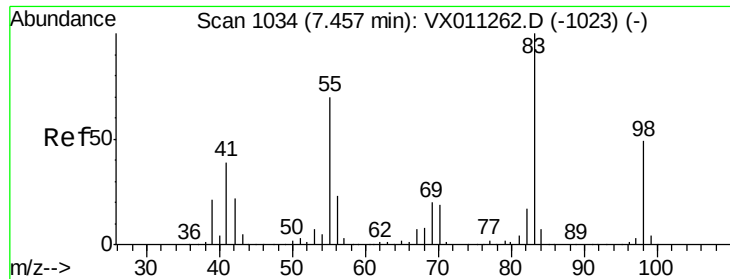
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#38
Carbon Tetrachloride
Concen: 18.084 ug/l
RT: 5.78 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX011385.D
Acq: 08 Aug 2019 12:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	79.0	118.4
121	29.5	25.9	38.9





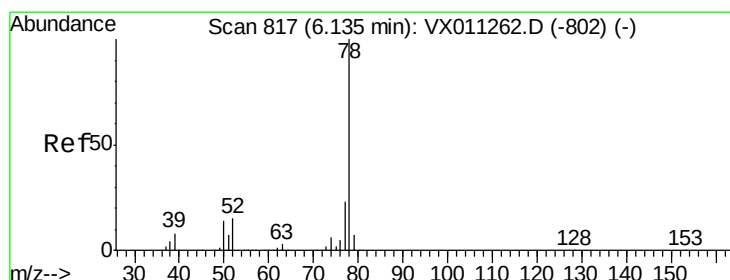
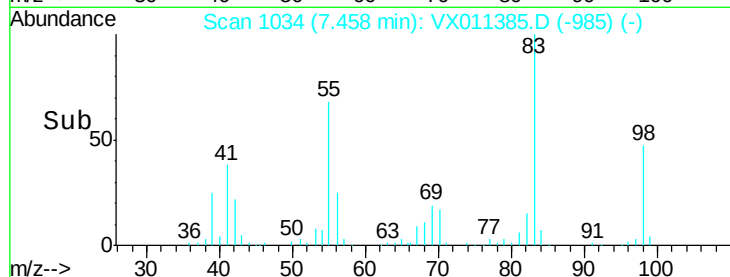
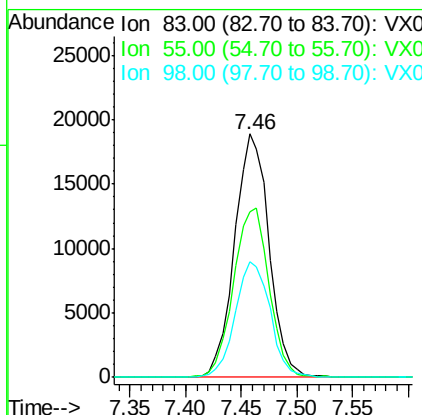
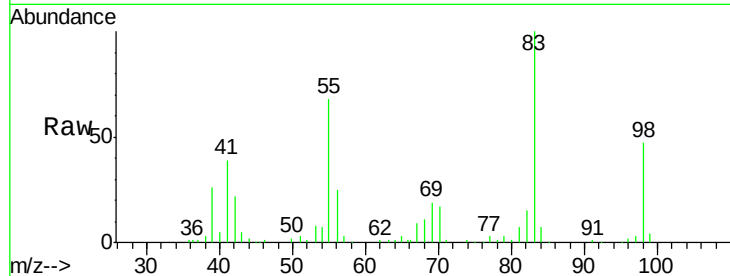
#39
Methylvlcyclohexane
Concen: 15.958 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011385.D
Acq: 08 Aug 2019 12:32

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBSD01

Tot Ion	83	Resp	40550
Ion Ratio	100	Lower	Upper
55	68.1	56.1	84.1
98	47.3	39.0	58.4

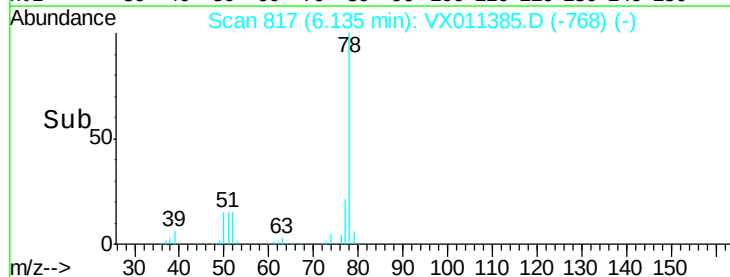
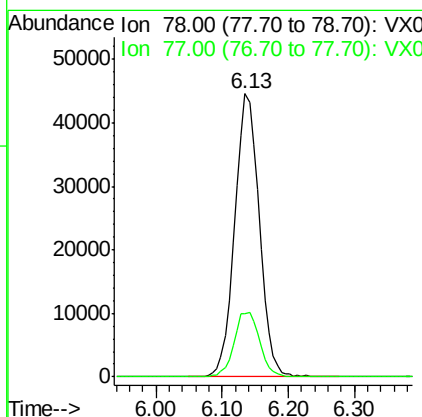
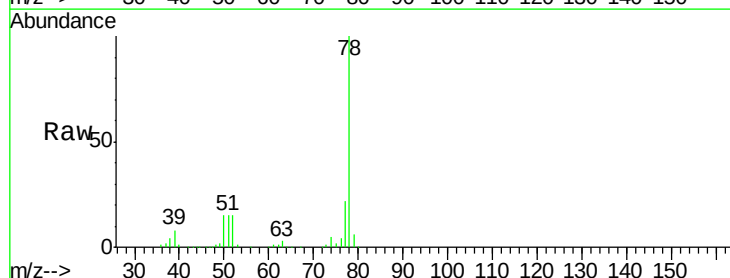
Manual Integrations
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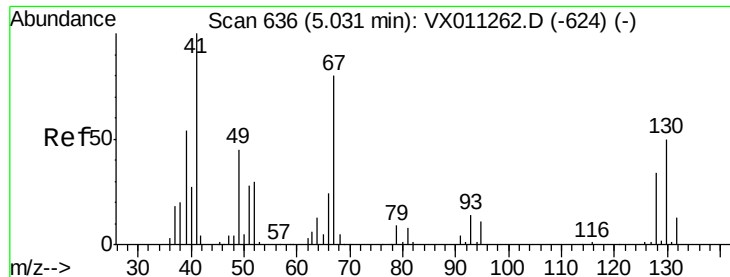
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#40
Benzene
Concen: 17.962 ug/l
RT: 6.13 min Scan# 817
Delta R.T. 0.00 min
Lab File: VX011385.D
Acq: 08 Aug 2019 12:32

Tgt Ion	78	Resp	114903
Ion Ratio	100	Lower	Upper
77	22.4	18.2	27.2





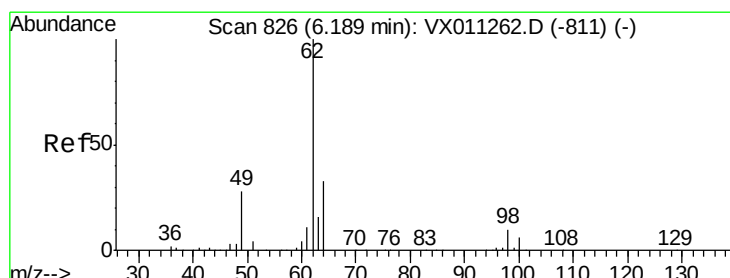
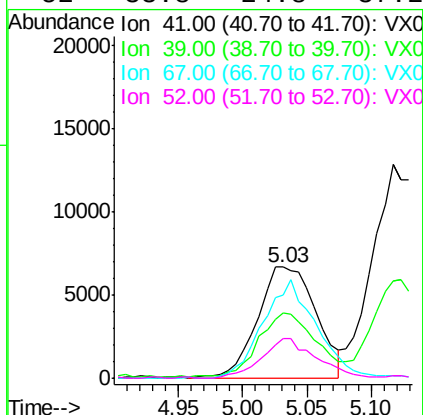
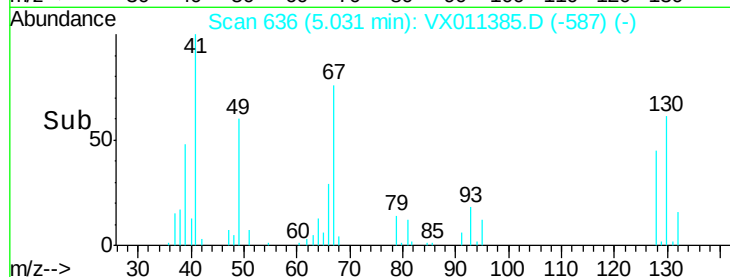
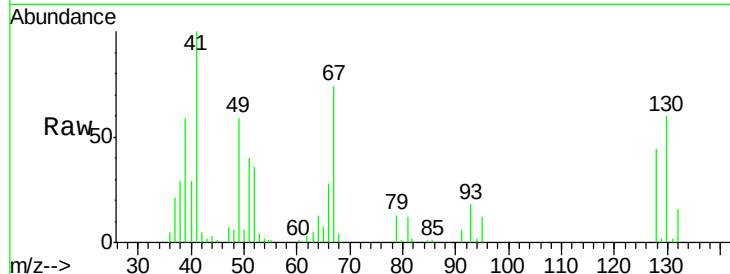
#41
Methacrylonitrile
Concen: 18.004 ug/l
RT: 5.03 min Scan# 636
Delta R.T. 0.00 min
Lab File: VX011385.D
Acq: 08 Aug 2019 12:32

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
21143	41	100		
	39	55.3	43.0	64.6
	67	81.3	65.1	97.7
	52	33.8	24.8	37.2

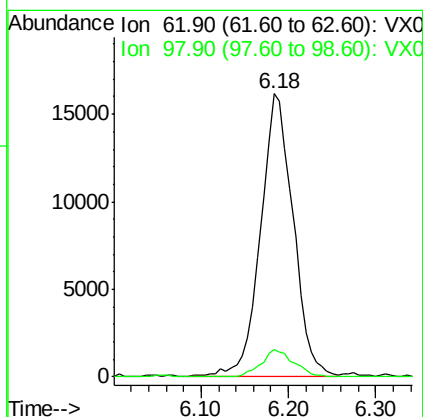
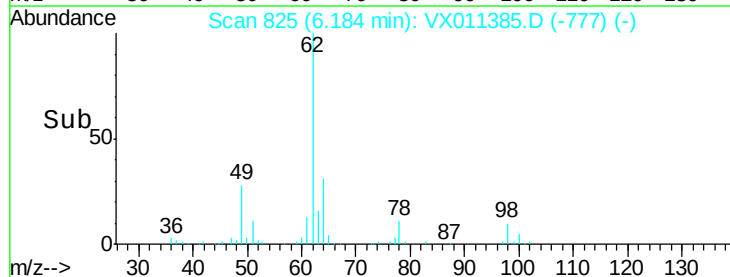
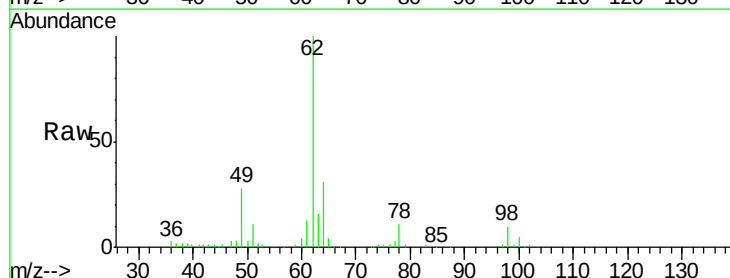
Manual Integrations
APPROVED

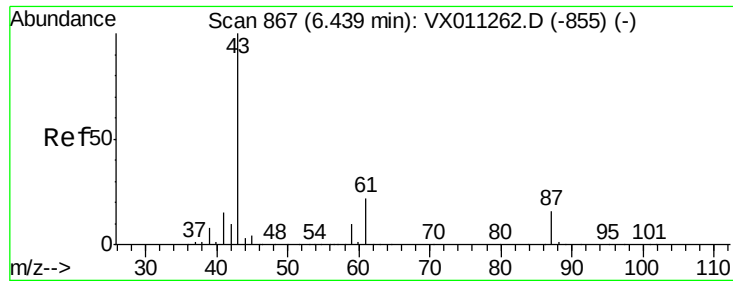
MMDadoda
8/9/2019 11:08:11 AM



#42
1,2-Dichloroethane
Concen: 19.457 ug/l
RT: 6.18 min Scan# 825
Delta R.T. -0.01 min
Lab File: VX011385.D
Acq: 08 Aug 2019 12:32

Tgt Ion	Ion	Ratio	Lower	Upper
42089	62	100		
	98	9.5	0.0	20.6





#43

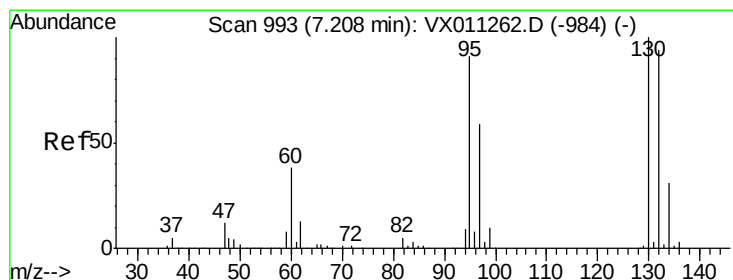
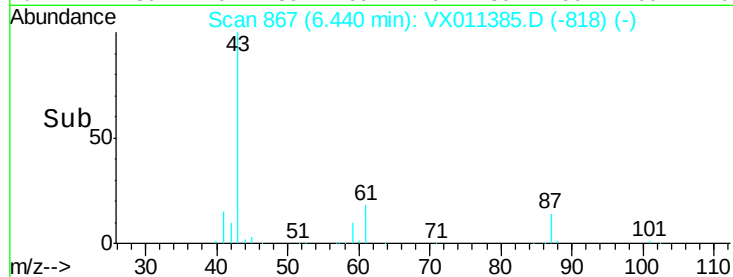
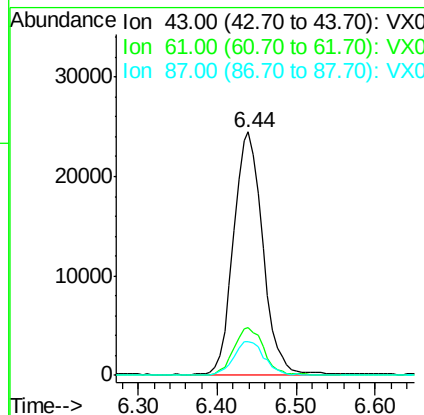
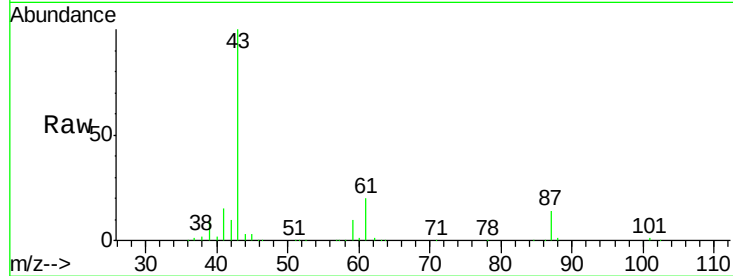
Isopropyl Acetate
 Concen: 18.282 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. 0.00 min
 Lab File: VX011385.D
 Acq: 08 Aug 2019 12:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0808WBSD01

Tot Ion:	43	Resp:	62851
Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.5	24.7
87	14.6	12.1	18.1

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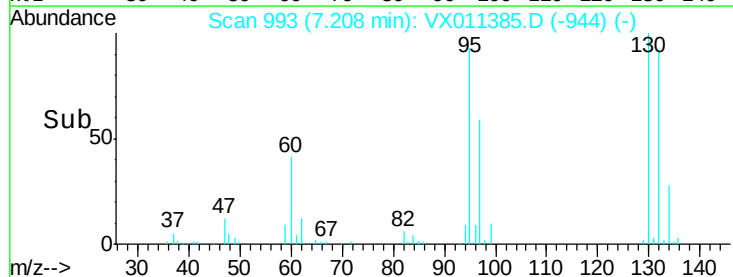
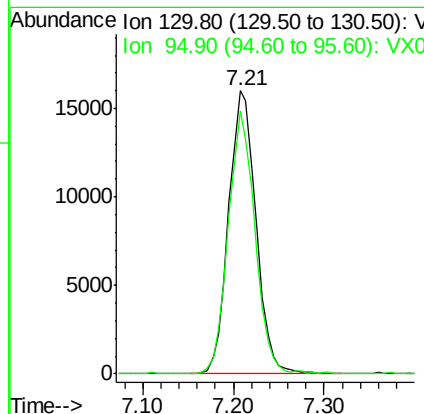
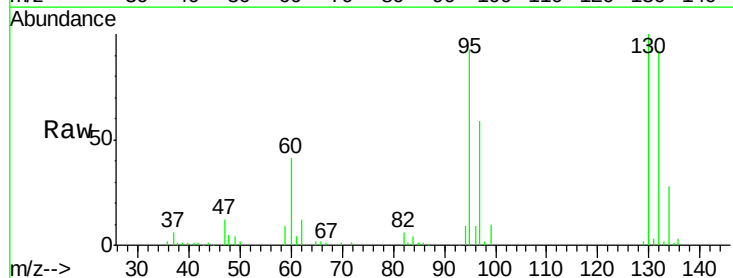
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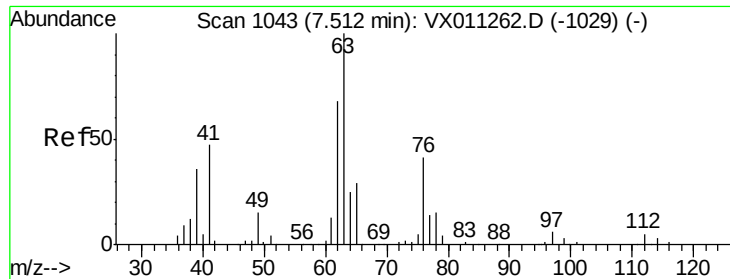


#44

Trichloroethene
 Concen: 17.349 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VX011385.D
 Acq: 08 Aug 2019 12:32

Tgt Ion:	130	Resp:	33593
Ion	Ratio	Lower	Upper
130	100		
95	92.9	0.0	182.6





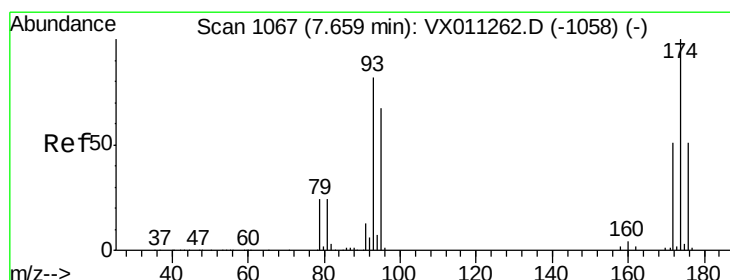
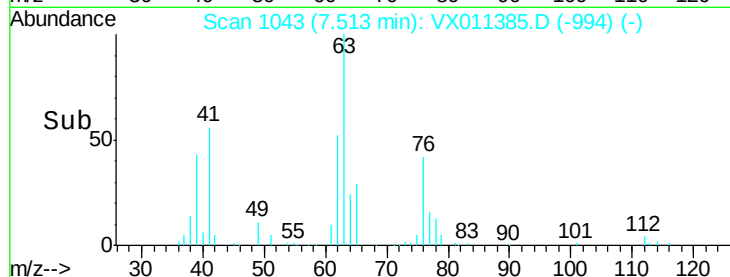
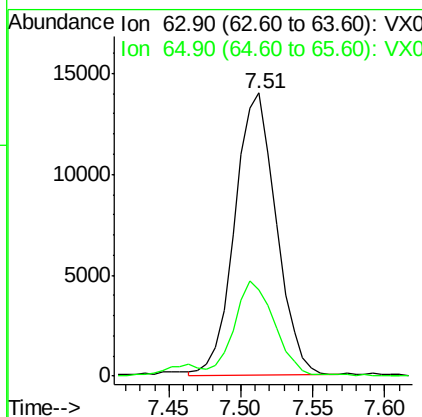
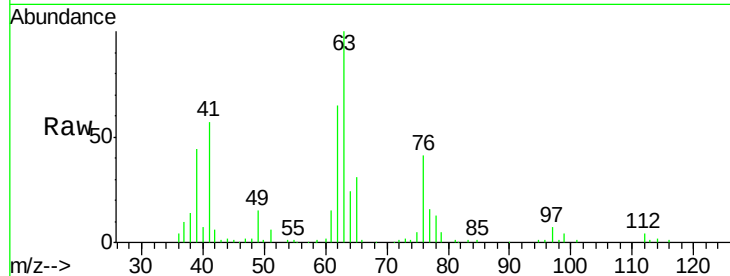
#45
 1,2-Dichloropropane
 Concen: 16.867 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX011385.D
 Acq: 08 Aug 2019 12:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0808WBSD01

Tot Ion: 63 Resp: 27944
 Ion Ratio Lower Upper
 63 100
 65 30.1 23.3 34.9

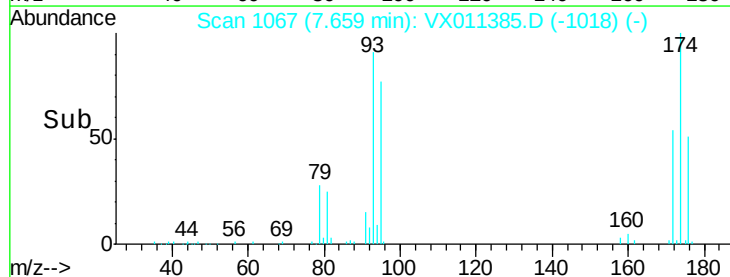
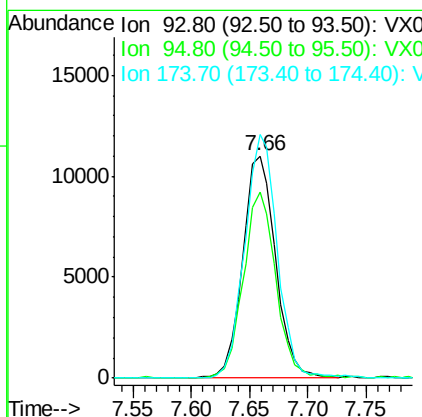
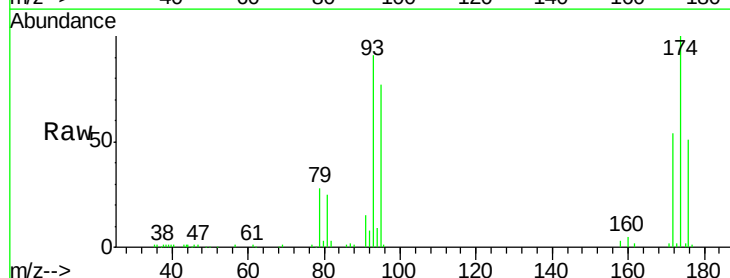
Manual Integrations
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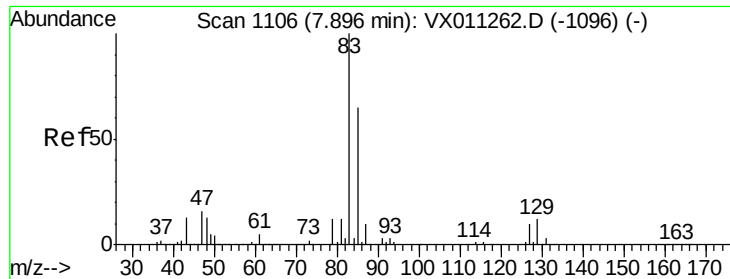
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#46
 Dibromomethane
 Concen: 18.014 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX011385.D
 Acq: 08 Aug 2019 12:32

Tgt Ion: 93 Resp: 21787
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.4 99.6
 174 108.4 93.4 140.2





#47

Bromodichloromethane

Concen: 18.489 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX011385.D

Acq: 08 Aug 2019 12:32

Instrument :

MSVOA_X

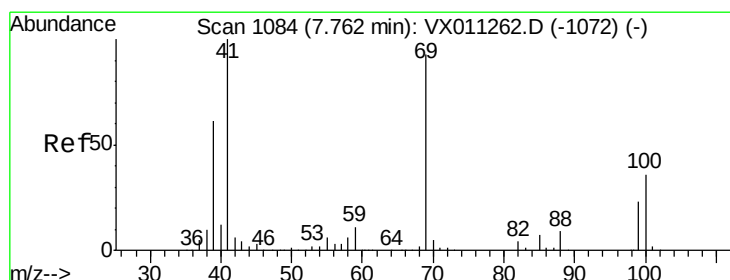
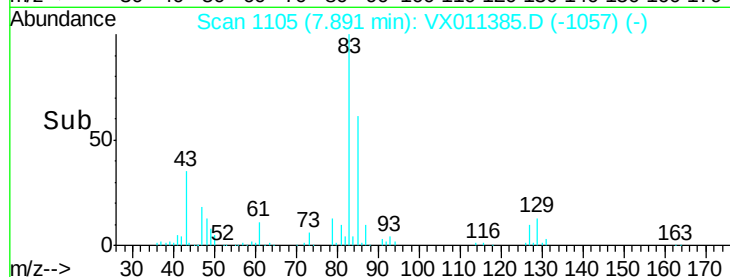
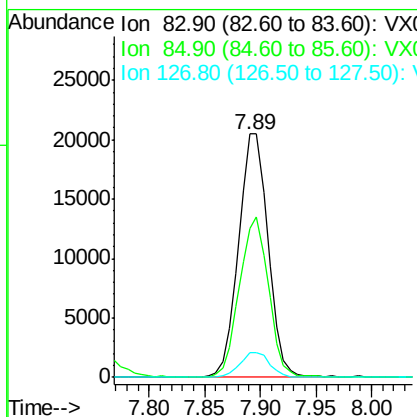
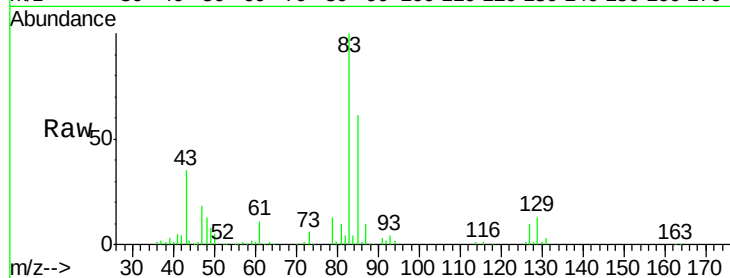
ClientSampleId :

VX0808WBSD01

Tot Ion:	83	Resp:	37859
Ion	Ratio	Lower	Upper
83	100		
85	61.2	52.2	78.2
127	9.9	7.8	11.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.790 ug/l

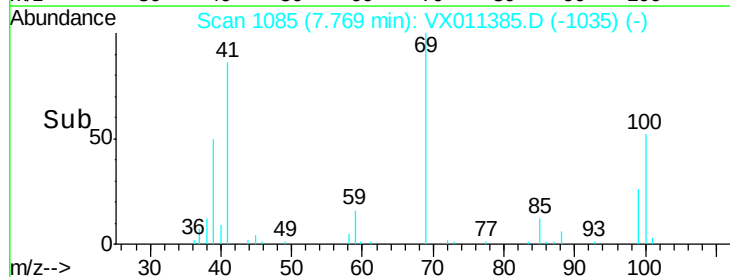
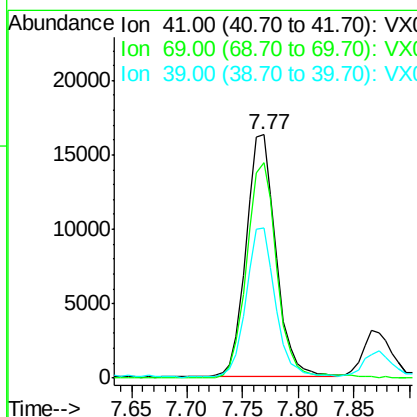
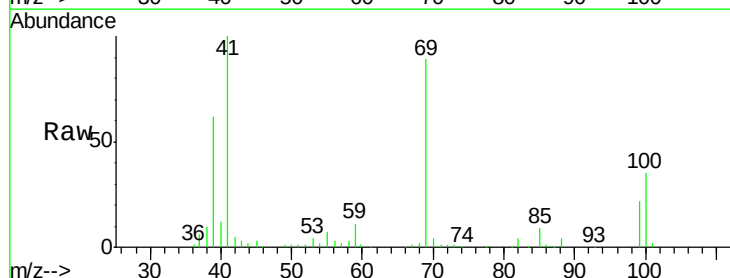
RT: 7.77 min Scan# 1085

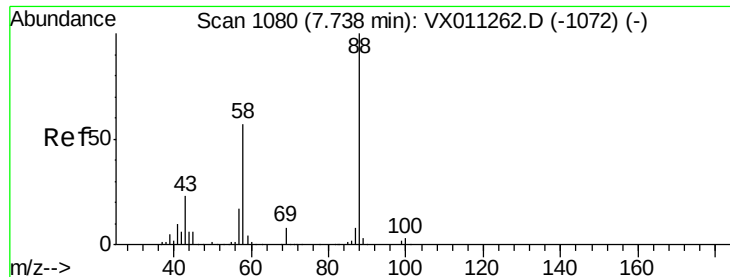
Delta R.T. 0.01 min

Lab File: VX011385.D

Acq: 08 Aug 2019 12:32

Tgt Ion:	41	Resp:	30401
Ion	Ratio	Lower	Upper
41	100		
69	89.0	74.5	111.7
39	61.0	48.6	72.8





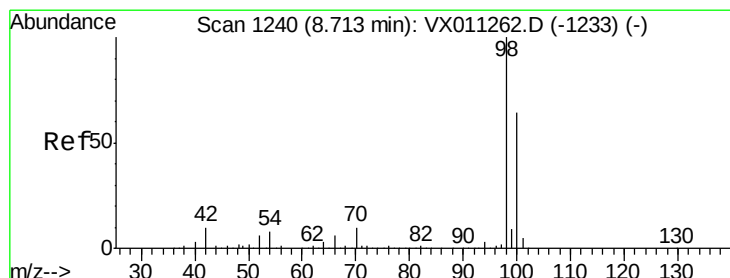
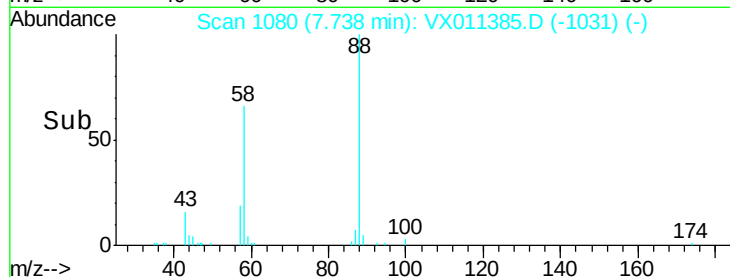
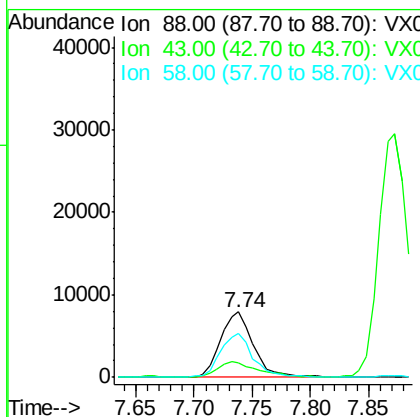
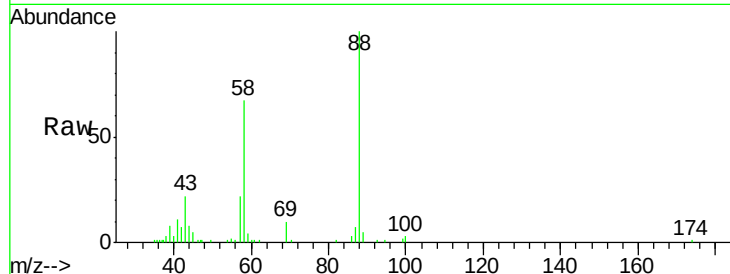
#49
1,4-Dioxane
Concen: 328.919 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX011385.D
Acq: 08 Aug 2019 12:32

Instrument :
MSVOA_X
ClientSampled :
VX0808WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	31.5	22.2	33.2	
58	67.6	47.8	71.8	

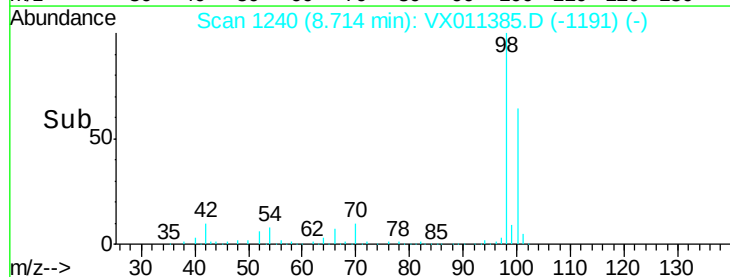
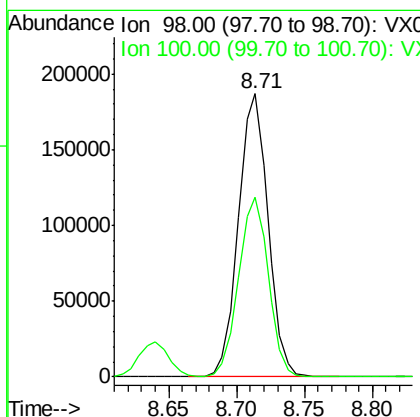
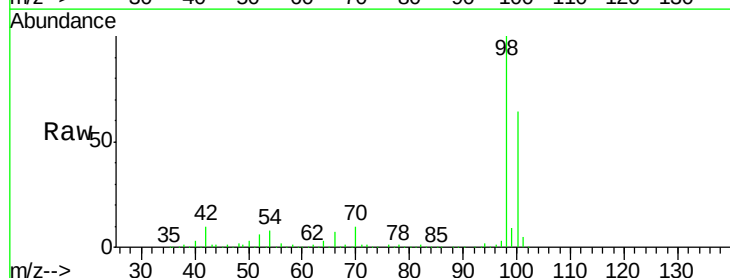
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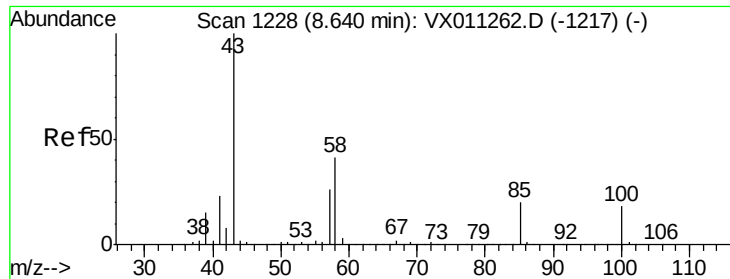
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#50
Toluene-d8
Concen: 47.008 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011385.D
Acq: 08 Aug 2019 12:32

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





#51

4-Methyl-2-Pentanone

Concen: 95.624 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX011385.D

Acq: 08 Aug 2019 12:32

Instrument :

MSVOA_X

ClientSampled :

VX0808WBSD01

Tot Ion: 43 Resp: 212161

Ion Ratio Lower Upper

43 100

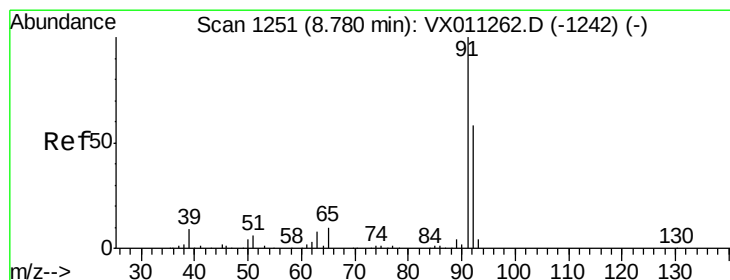
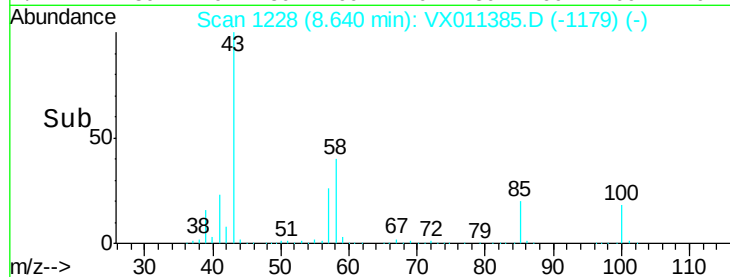
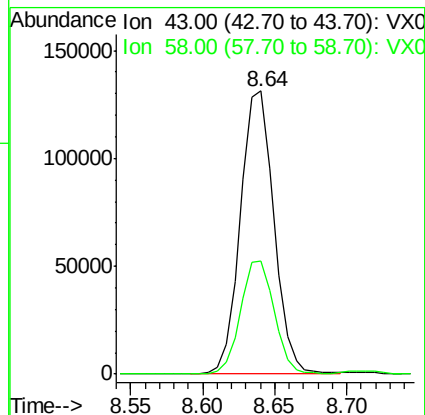
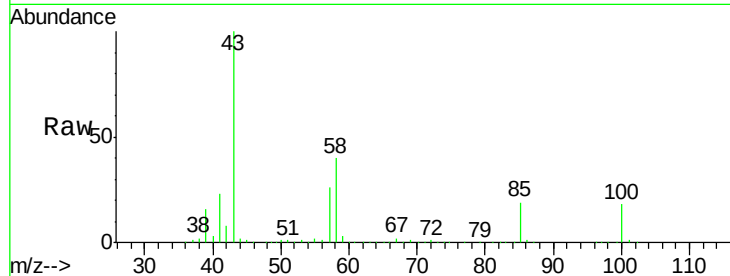
58 40.0 32.3 48.5

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#52

Toluene

Concen: 17.676 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011385.D

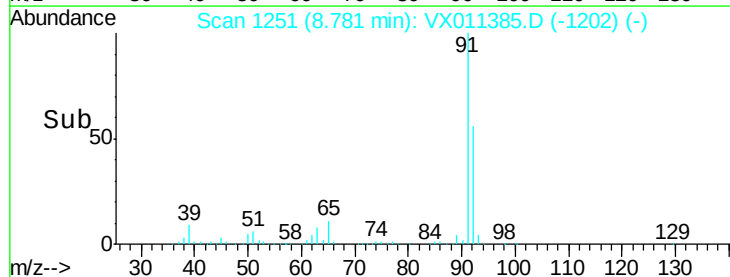
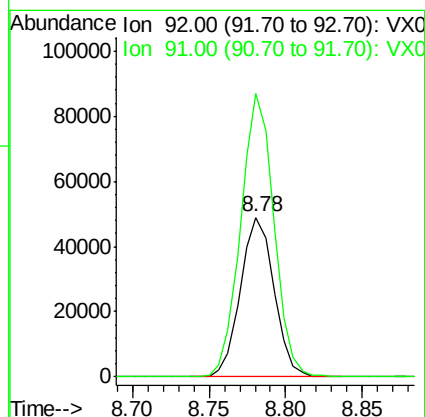
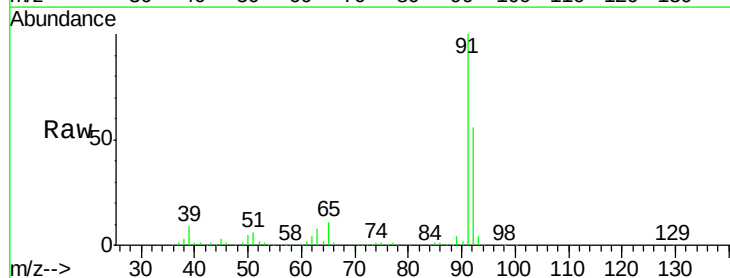
Acq: 08 Aug 2019 12:32

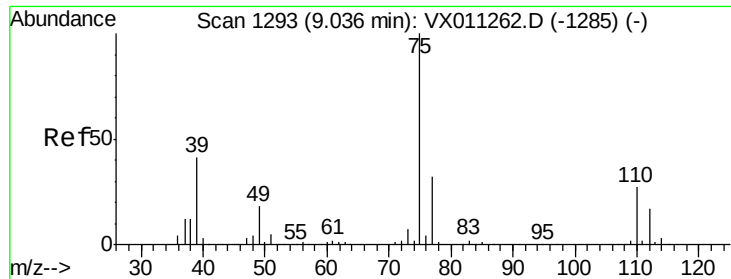
Tgt Ion: 92 Resp: 74761

Ion Ratio Lower Upper

92 100

91 175.4 139.4 209.0





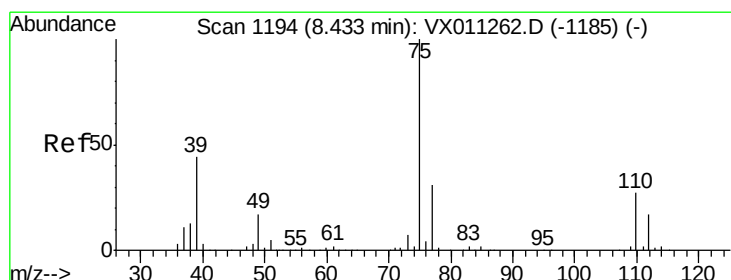
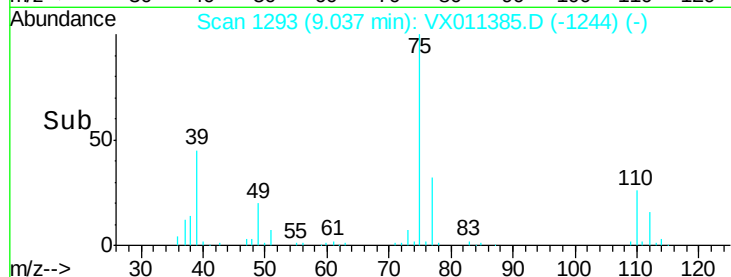
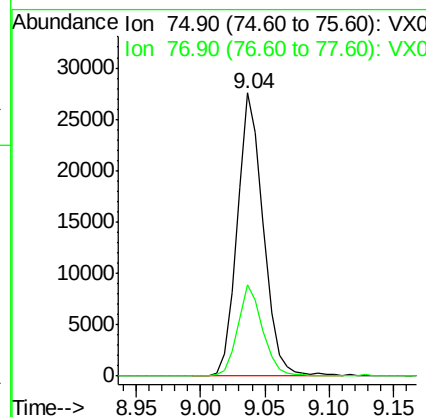
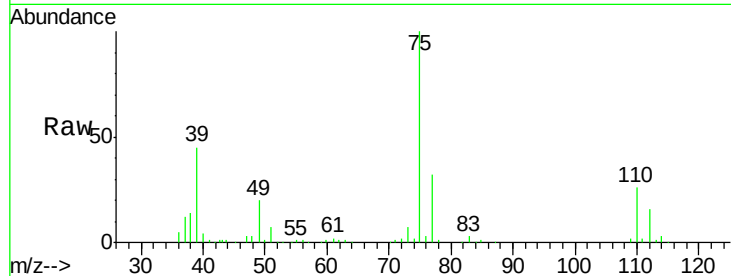
#53
 t-1,3-Dichloropropene
 Concen: 18.160 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. 0.00 min
 Lab File: VX011385.D
 Acq: 08 Aug 2019 12:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0808WBSD01

Tot Ion: 75 Resp: 38736
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.4 38.0

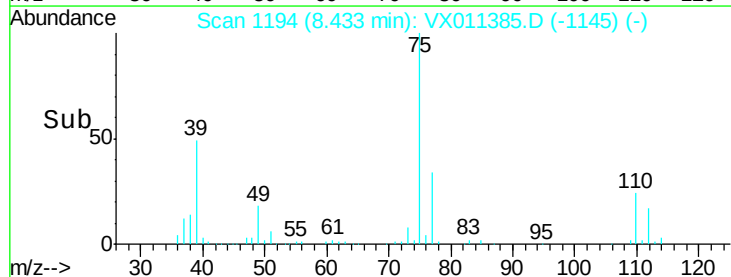
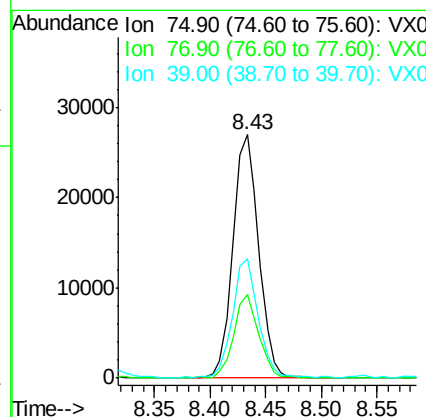
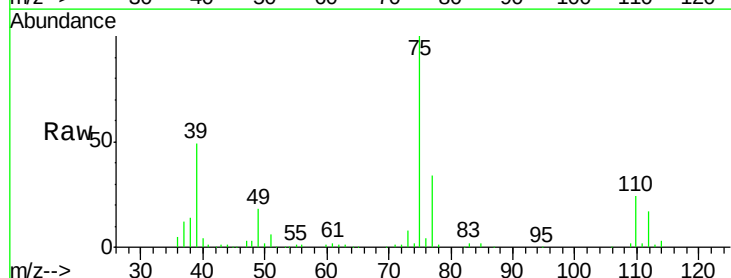
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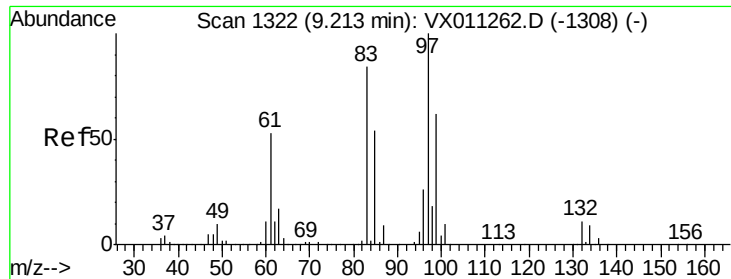
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#54
 cis-1,3-Dichloropropene
 Concen: 18.109 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX011385.D
 Acq: 08 Aug 2019 12:32

Tgt Ion: 75 Resp: 43316
 Ion Ratio Lower Upper
 75 100
 77 34.1 25.0 37.6
 39 48.7 35.3 52.9





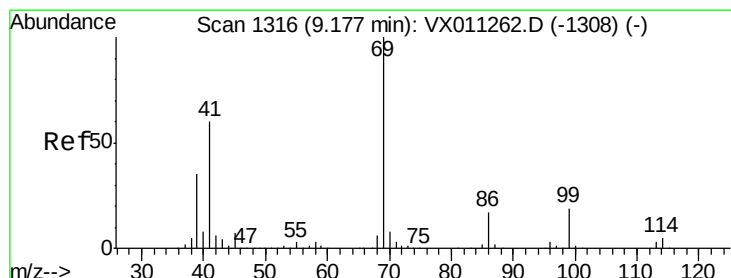
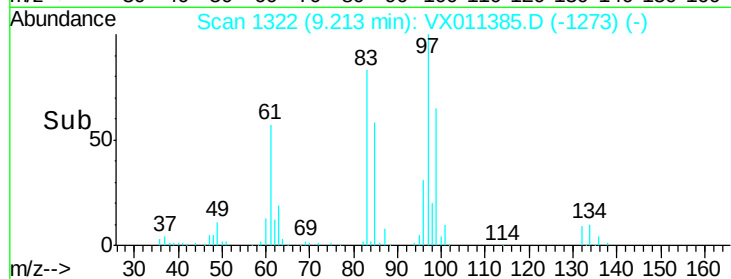
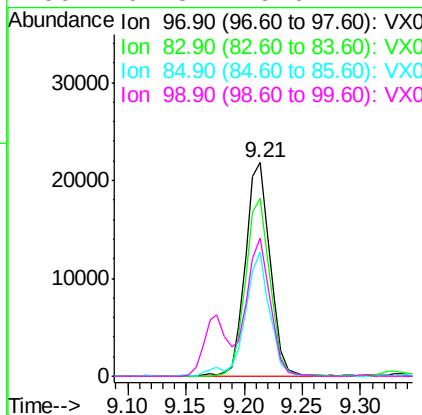
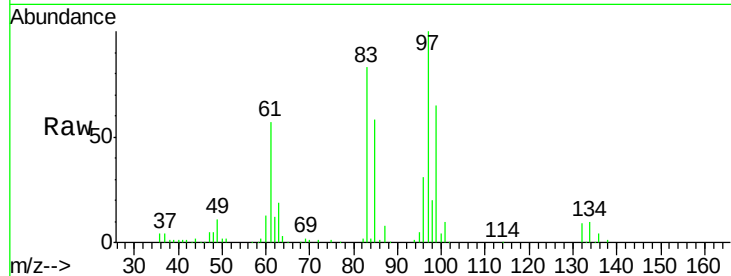
#55
 1,1,2-Trichloroethane
 Concen: 18.699 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX011385.D
 Acq: 08 Aug 2019 12:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0808WBSD01

Tot Ion:	97	Resp:	32518
Ion	Ratio	Lower	Upper
97	100		
83	83.2	67.6	101.4
85	58.1	43.4	65.0
99	64.8	49.6	74.4

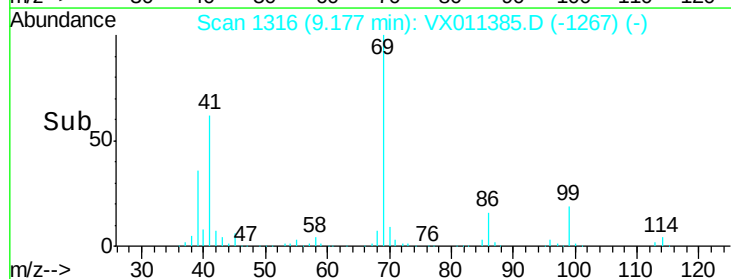
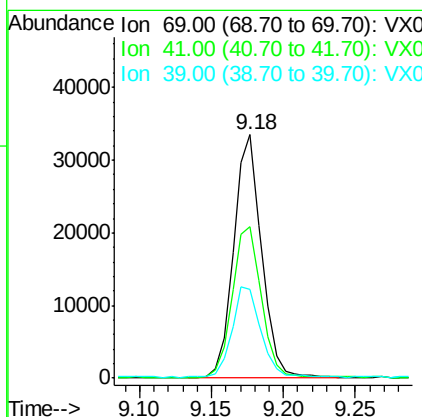
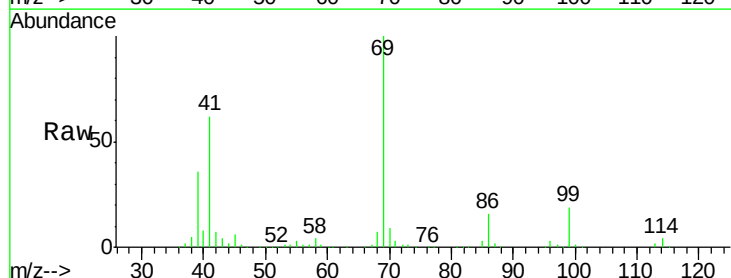
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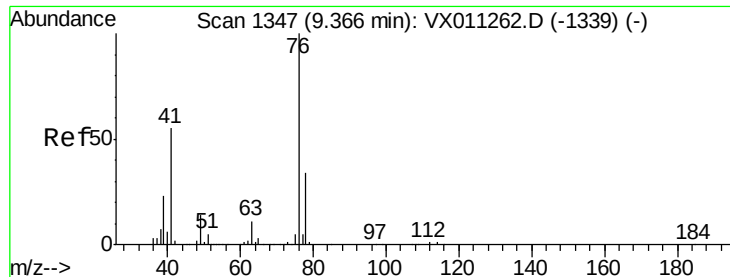
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#56
 Ethyl methacrylate
 Concen: 18.341 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX011385.D
 Acq: 08 Aug 2019 12:32

Tgt Ion:	69	Resp:	45454
Ion	Ratio	Lower	Upper
69	100		
41	66.3	48.6	73.0
39	39.3	29.4	44.2





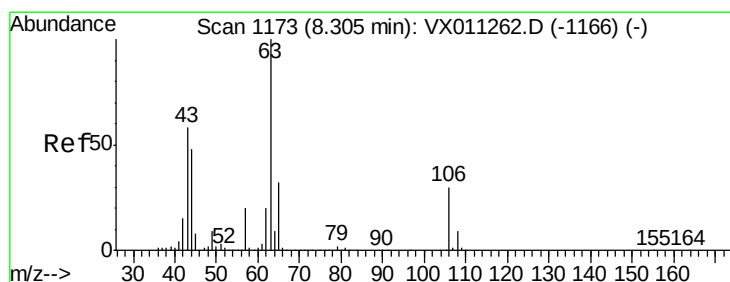
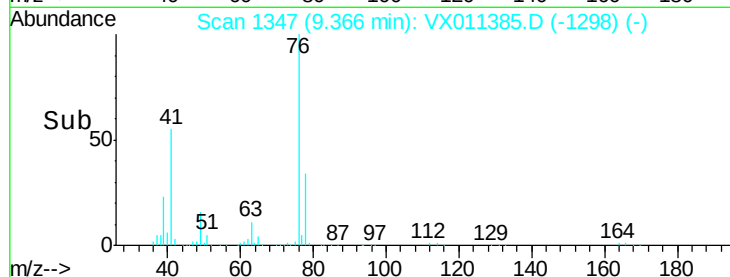
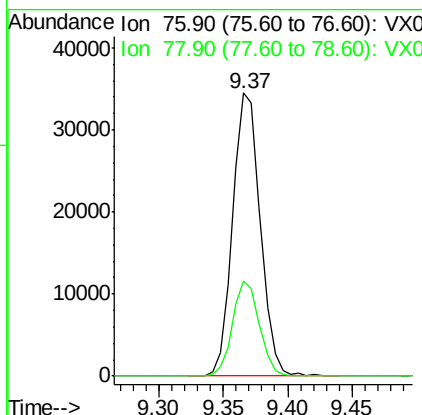
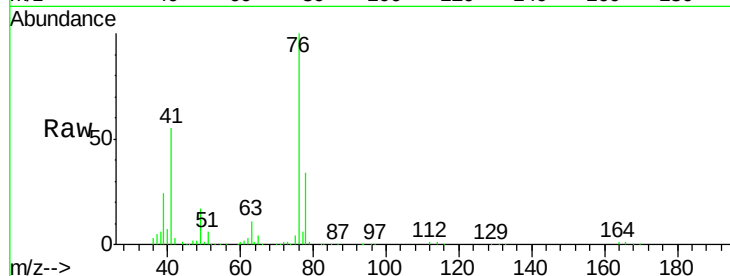
#57
 1,3-Dichloropropane
 Concen: 18.814 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VX011385.D
 Acq: 08 Aug 2019 12:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0808WBSD01

Tot Ion: 76 Resp: 51744
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.6 40.0

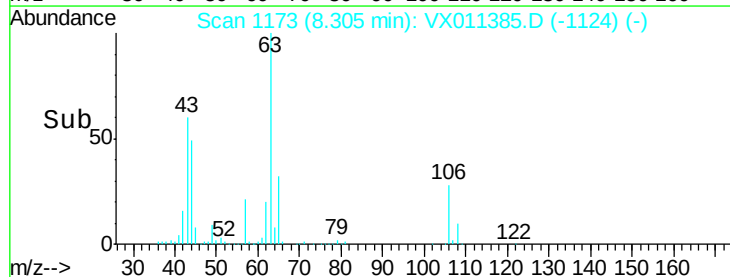
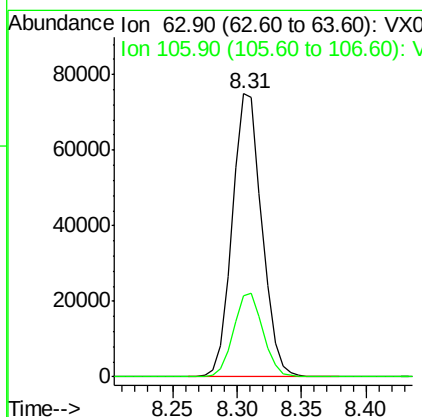
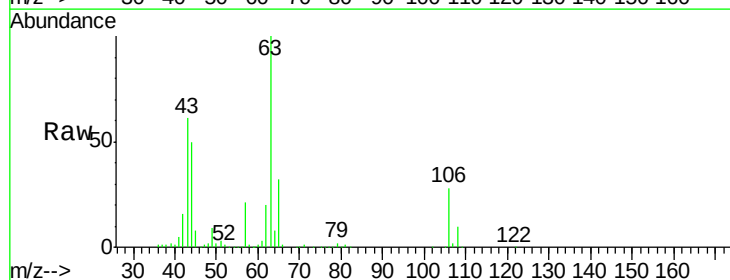
Manual Integrations
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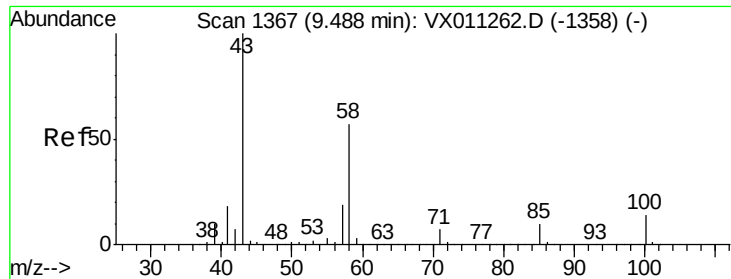
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#58
 2-Chloroethyl Vinyl ether
 Concen: 98.486 ug/l
 RT: 8.31 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VX011385.D
 Acq: 08 Aug 2019 12:32

Tgt Ion: 63 Resp: 120006
 Ion Ratio Lower Upper
 63 100
 106 29.3 24.4 36.6





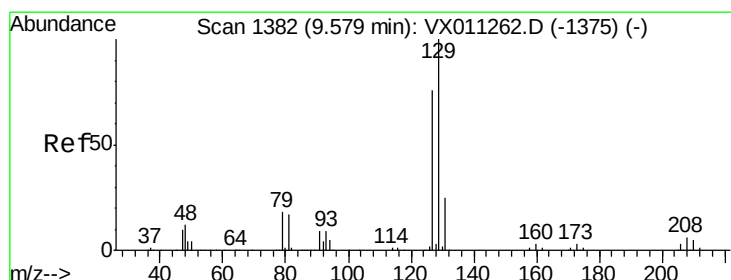
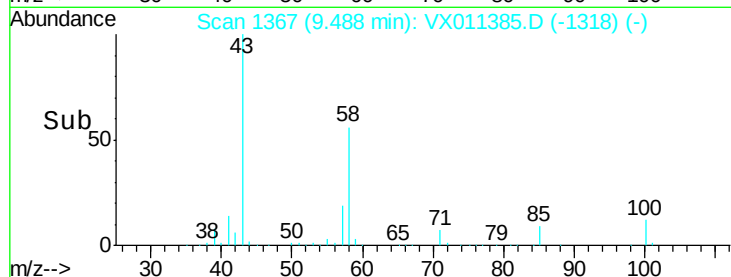
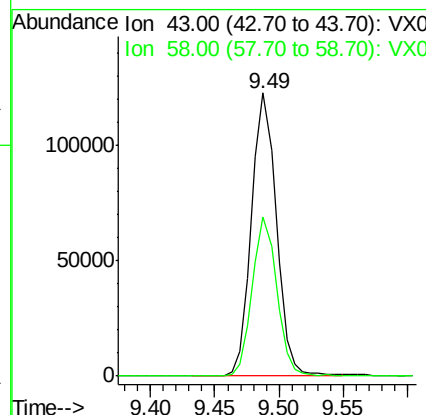
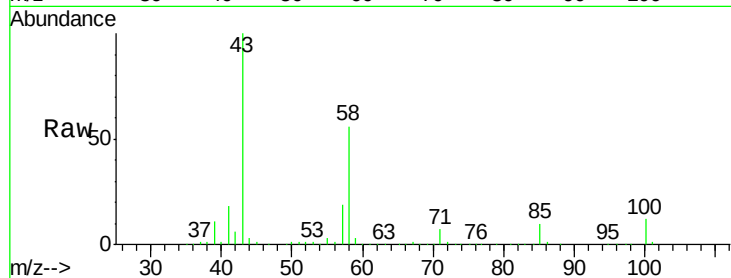
#59
2-Hexanone
Concen: 95.214 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011385.D
Acq: 08 Aug 2019 12:32

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBSD01

Tot Ion: 43 Resp: 163628
Ion Ratio Lower Upper
43 100
58 55.6 28.2 84.6

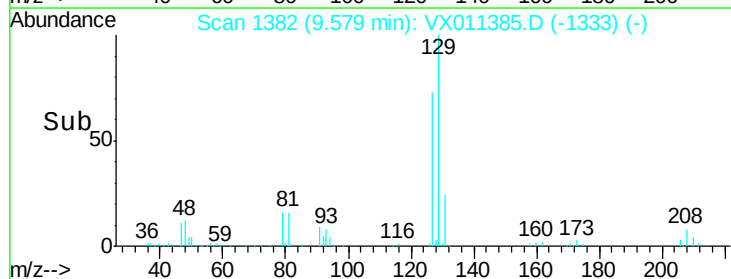
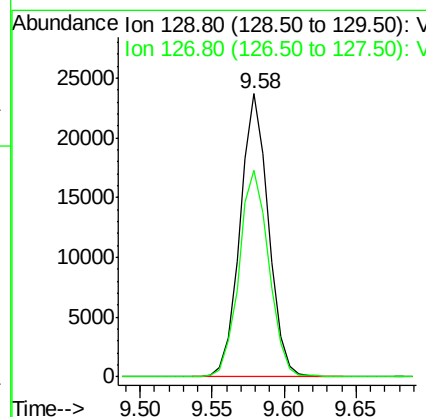
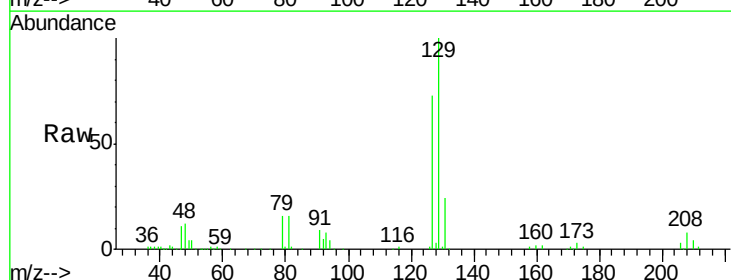
Manual Integrations
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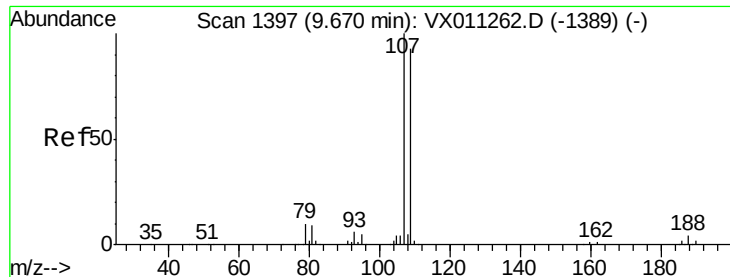
MMDadoda
8/9/2019 11:08:11 AM



#60
Dibromochloromethane
Concen: 18.221 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011385.D
Acq: 08 Aug 2019 12:32

Tgt Ion: 129 Resp: 32441
Ion Ratio Lower Upper
129 100
127 76.7 39.2 117.6





#61

1,2-Dibromoethane

Concen: 18.230 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011385.D

Acq: 08 Aug 2019 12:32

Instrument :

MSVOA_X

ClientSampleId :

VX0808WBSD01

Tot Ion:107 Resp: 34252

Ion Ratio Lower Upper

107 100

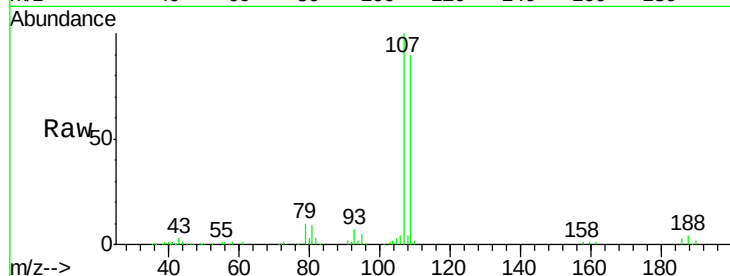
109 93.3 76.6 114.8

Manual Integrations

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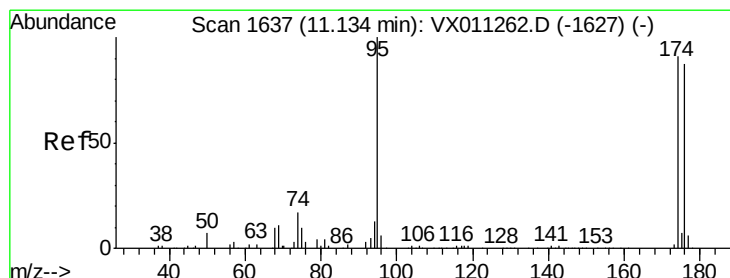
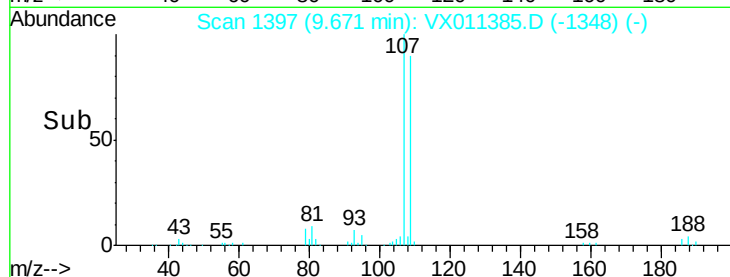
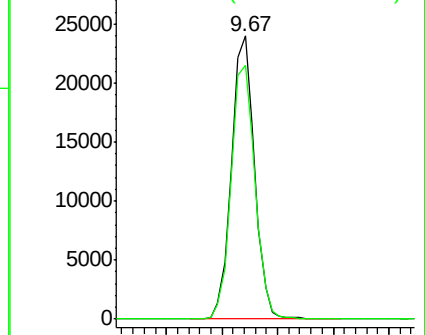
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.427 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011385.D

Acq: 08 Aug 2019 12:32

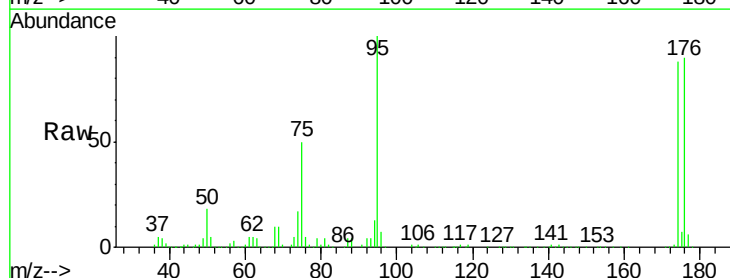
Tgt Ion: 95 Resp: 102460

Ion Ratio Lower Upper

95 100

174 92.5 0.0 191.2

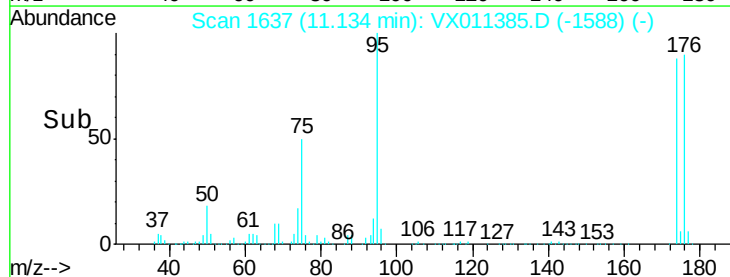
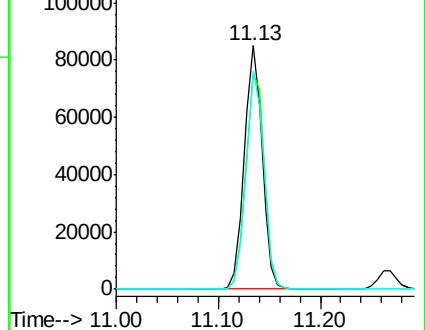
176 89.8 0.0 184.8

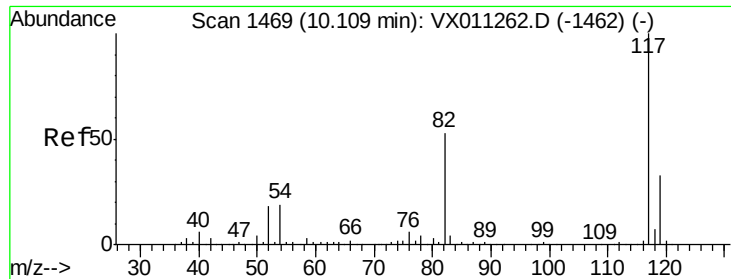


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





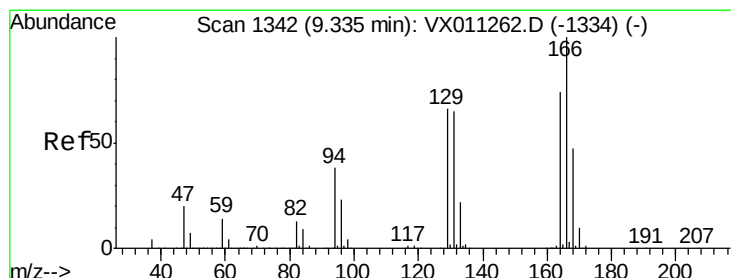
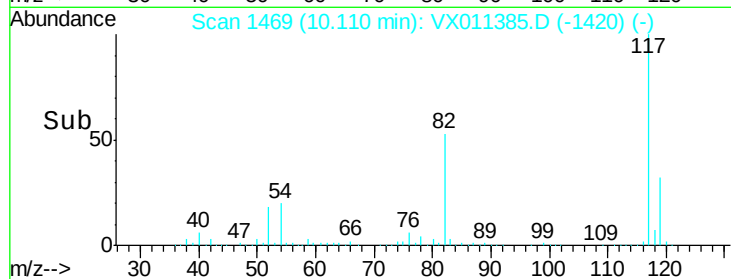
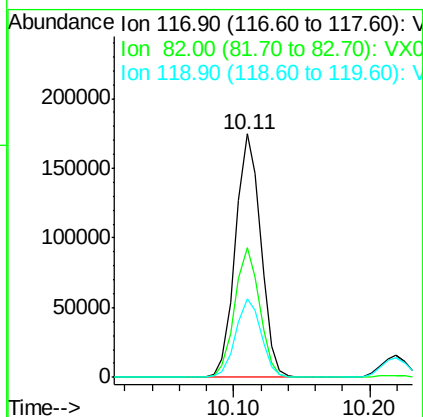
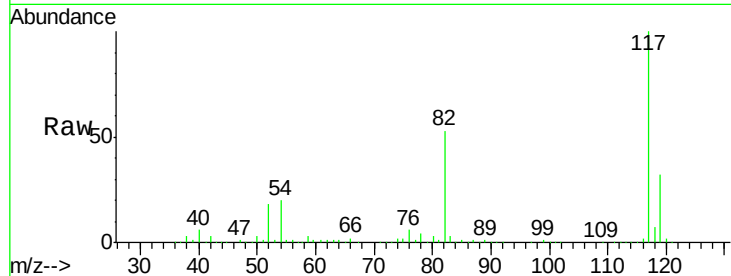
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011385.D
Acq: 08 Aug 2019 12:32

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	42.2	63.2
119	32.2	26.6	39.8

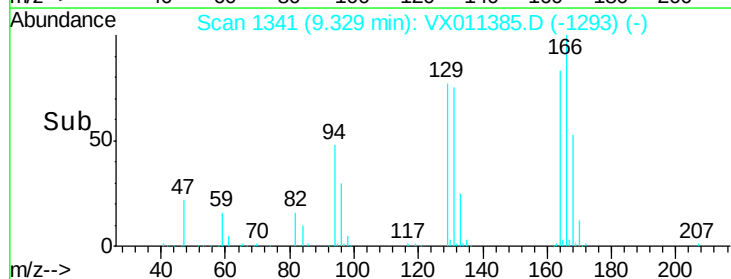
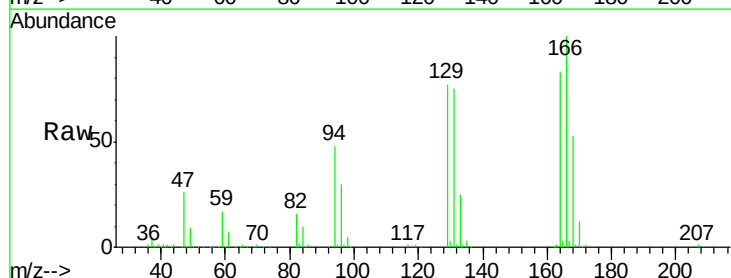
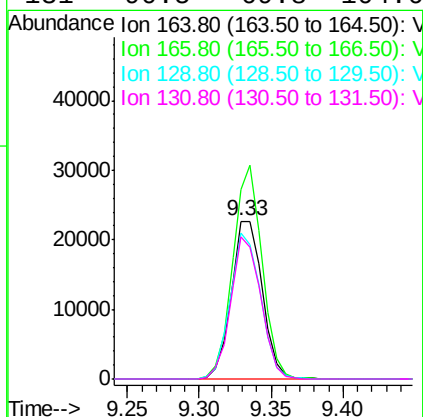
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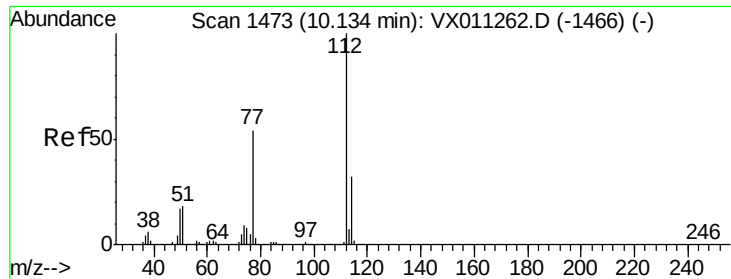
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#64
Tetrachloroethene
Concen: 17.746 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX011385.D
Acq: 08 Aug 2019 12:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.0	107.5	161.3
129	92.6	71.0	106.4
131	90.5	69.8	104.6





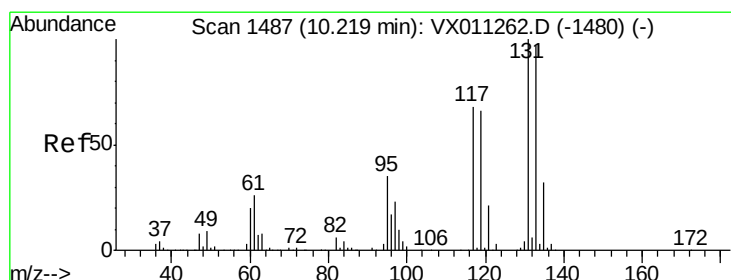
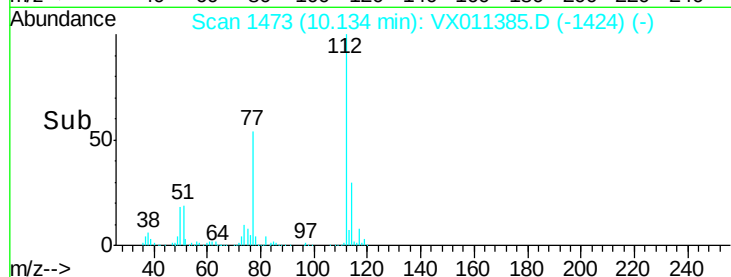
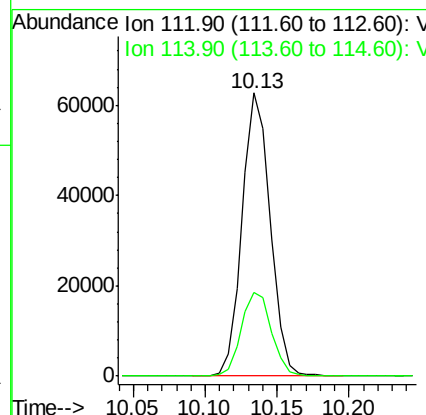
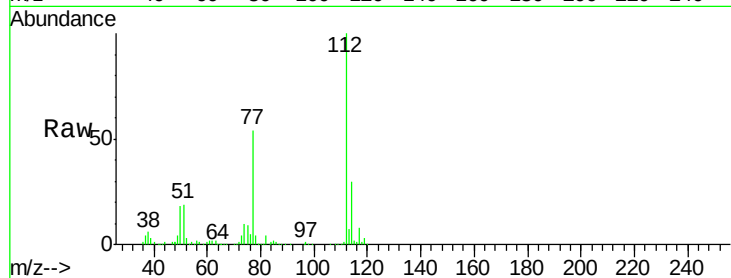
#65
Chlorobenzene
Concen: 17.523 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011385.D
Acq: 08 Aug 2019 12:32

Instrument :
MSVOA_X
ClientSampled :
VX0808WBSD01

Tot Ion:112 Resp: 85439
Ion Ratio Lower Upper
112 100
114 29.7 25.9 38.9

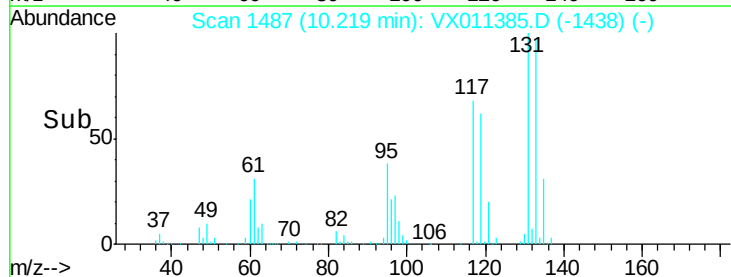
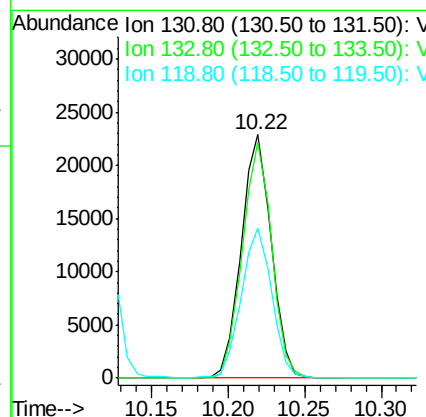
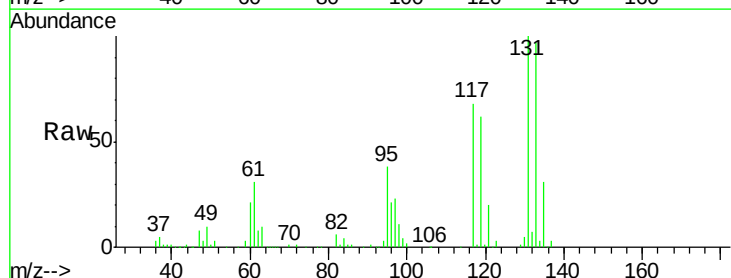
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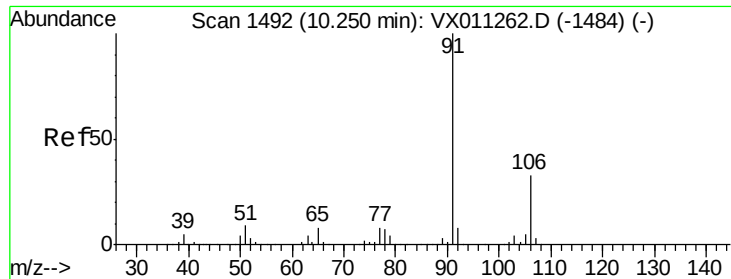
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.621 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX011385.D
Acq: 08 Aug 2019 12:32

Tgt Ion:131 Resp: 31083
Ion Ratio Lower Upper
131 100
133 94.8 47.7 143.1
119 62.8 32.8 98.3





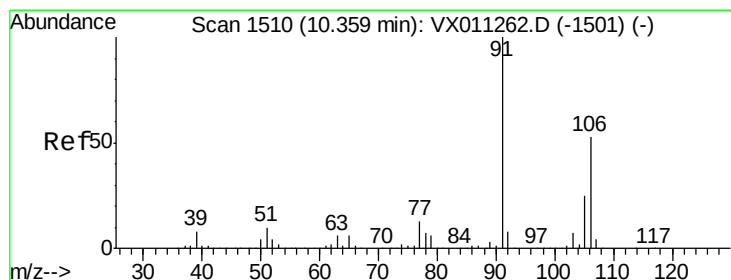
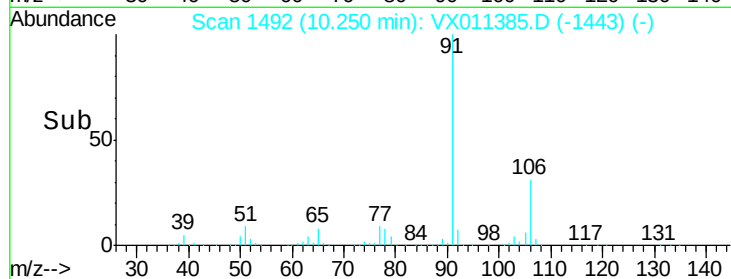
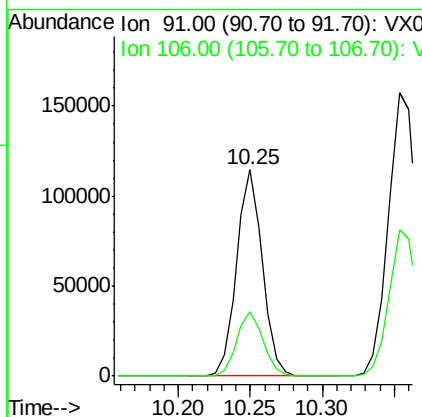
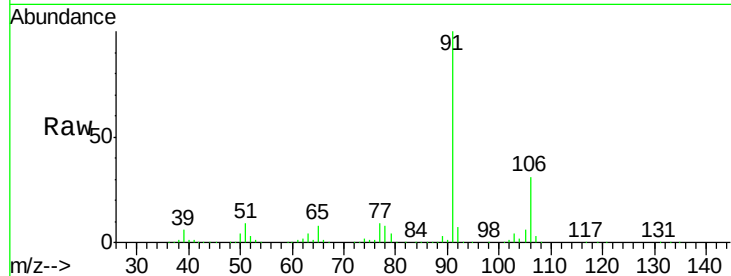
#67
Ethyl Benzene
Concen: 17.531 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011385.D
Acq: 08 Aug 2019 12:32

Instrument :
MSVOA_X
ClientSampled :
VX0808WBSD01

Tot Ion: 91 Resp: 143155
Ion Ratio Lower Upper
91 100
106 31.3 26.2 39.4

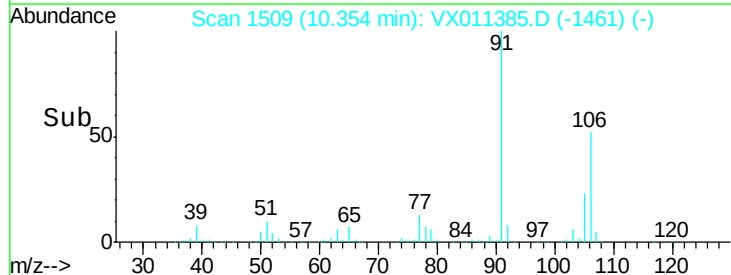
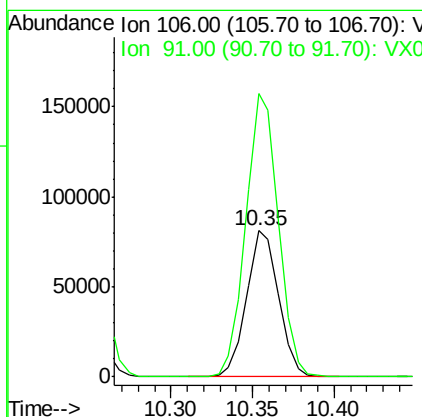
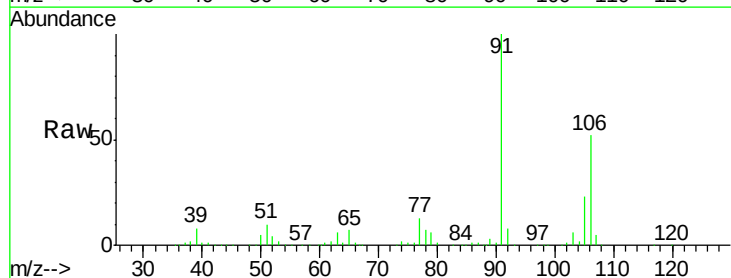
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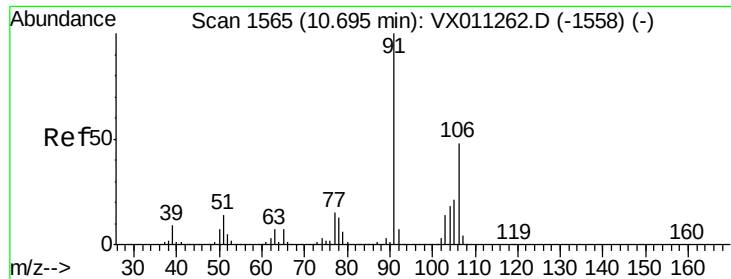
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#68
m/p-Xylenes
Concen: 35.275 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX011385.D
Acq: 08 Aug 2019 12:32

Tgt Ion: 106 Resp: 111416
Ion Ratio Lower Upper
106 100
91 196.6 155.9 233.9





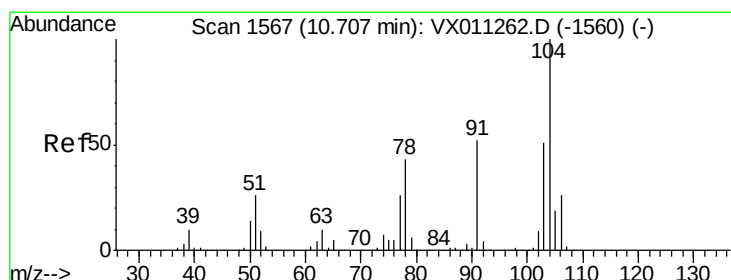
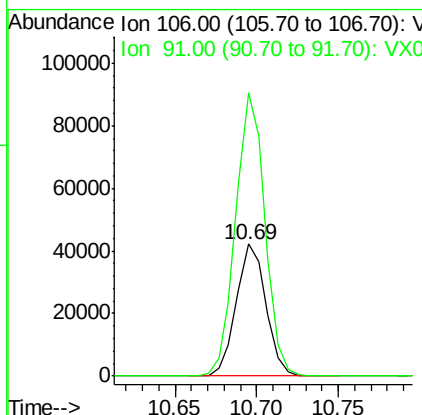
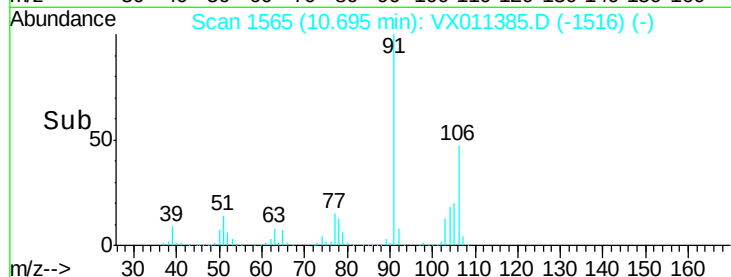
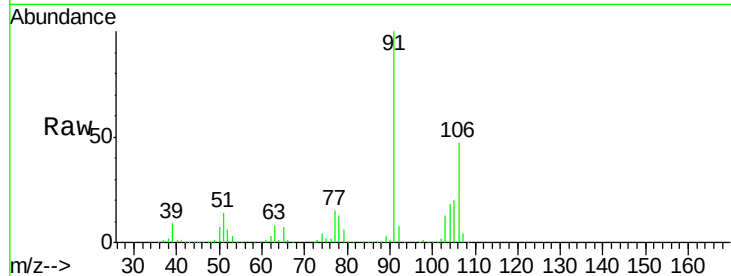
#69
o-Xylene
Concen: 17.265 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011385.D
Acq: 08 Aug 2019 12:32

Instrument :
MSVOA_X
ClientSampled :
VX0808WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	210.9	103.8	53581	311.3	

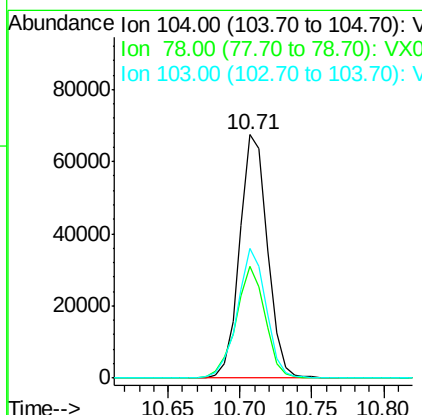
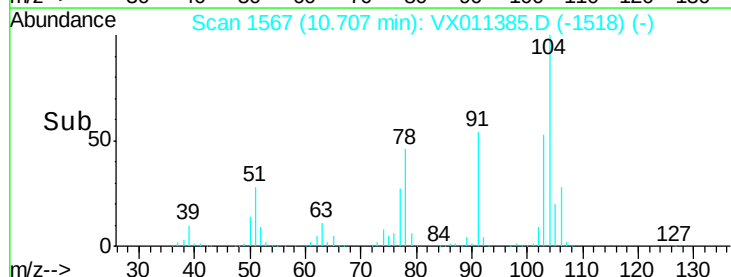
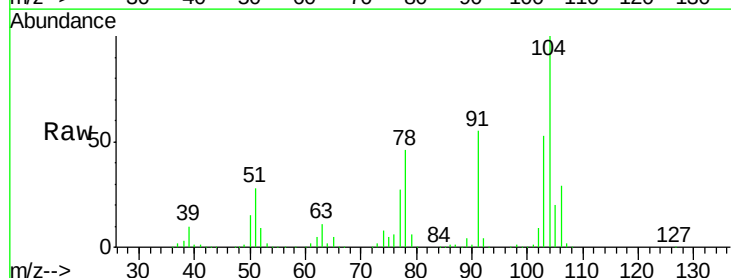
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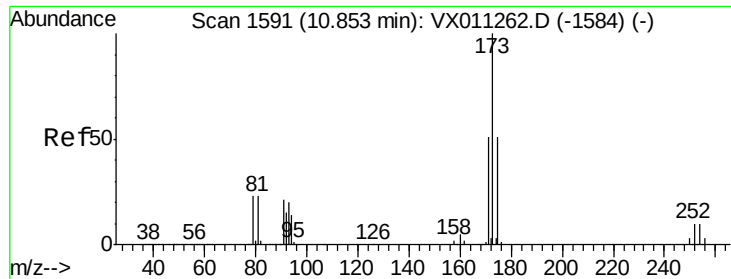
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#70
Styrene
Concen: 17.612 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011385.D
Acq: 08 Aug 2019 12:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	48.7	36.9	90436	55.3	
103	55.5	44.4		66.6	





#71

Bromoform

Concen: 17.693 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011385.D

Acq: 08 Aug 2019 12:32

Instrument :

MSVOA_X

ClientSampled :

VX0808WBSD01

Tot Ion:173 Resp: 23508

Ion Ratio Lower Upper

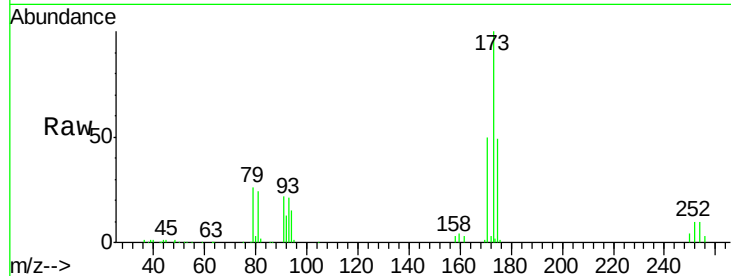
173 100

175 48.2 24.4 73.4

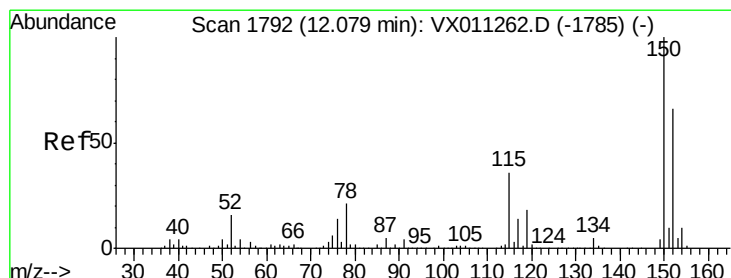
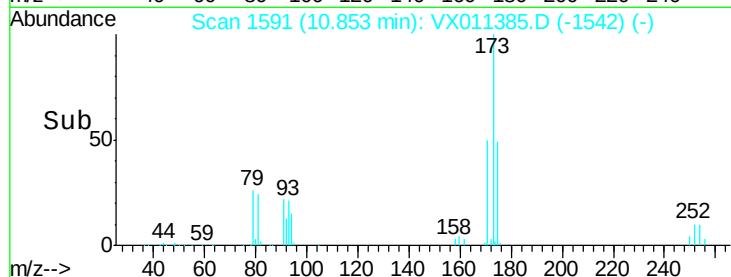
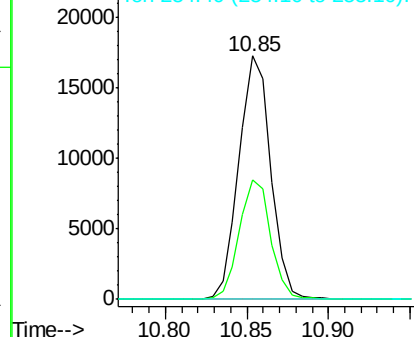
254 0.1 0.2 0.2#

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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# 1791

Delta R.T. -0.01 min

Lab File: VX011385.D

Acq: 08 Aug 2019 12:32

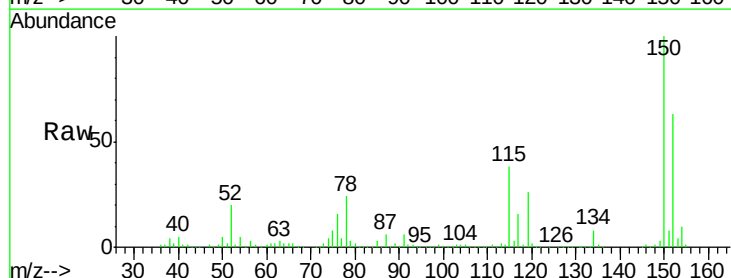
Tgt Ion:152 Resp: 118578

Ion Ratio Lower Upper

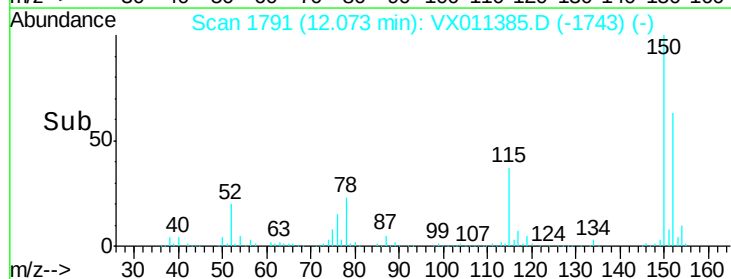
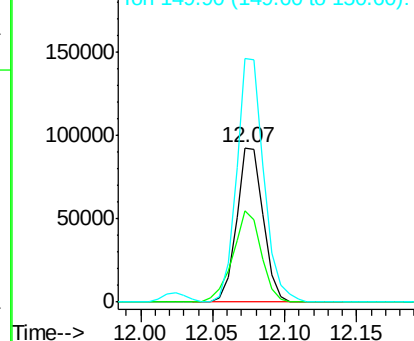
152 100

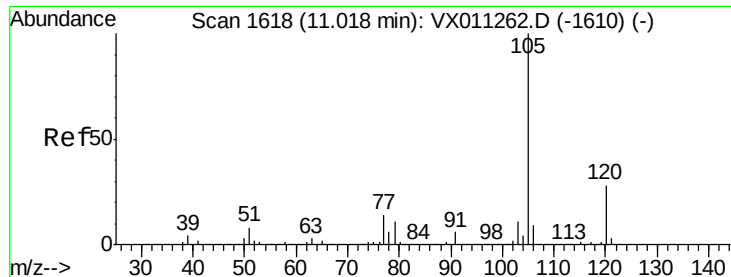
115 63.8 40.0 119.9

150 163.0 0.0 350.4



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: 18.137 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011385.D

Acq: 08 Aug 2019 12:32

Instrument :

MSVOA_X

ClientSampled :

VX0808WBSD01

Tot Ion: 105 Resp: 147092

Ion Ratio Lower Upper

105 100

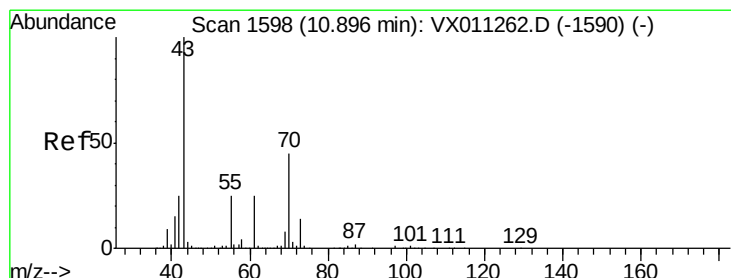
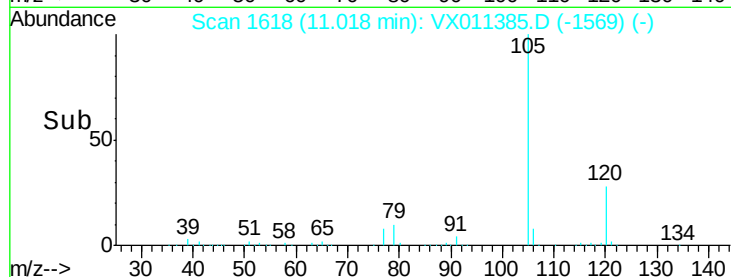
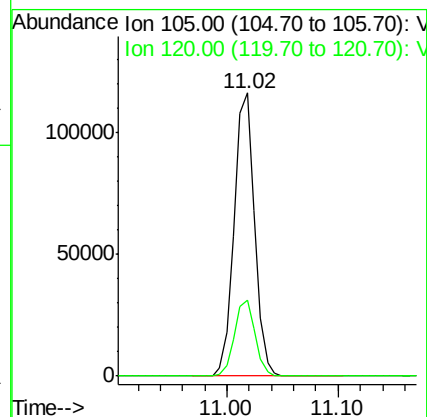
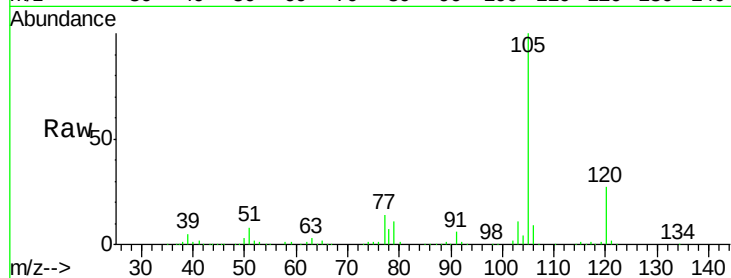
120 27.0 13.7 41.1

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#74

N-ethyl acetate

Concen: 19.035 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011385.D

Acq: 08 Aug 2019 12:32

Tgt Ion: 43 Resp: 55780

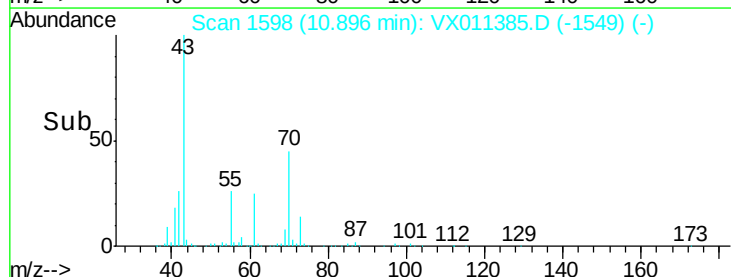
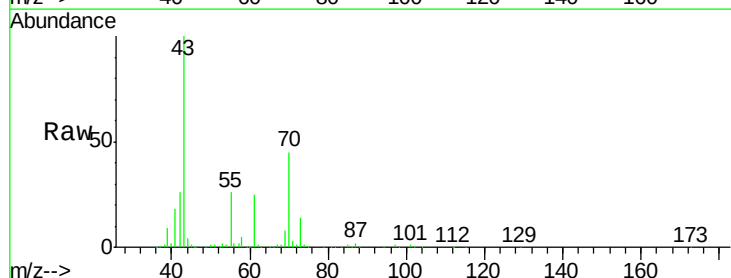
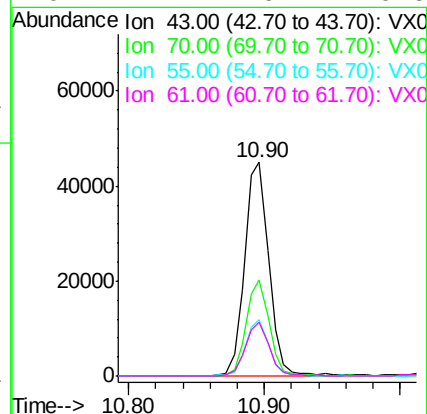
Ion Ratio Lower Upper

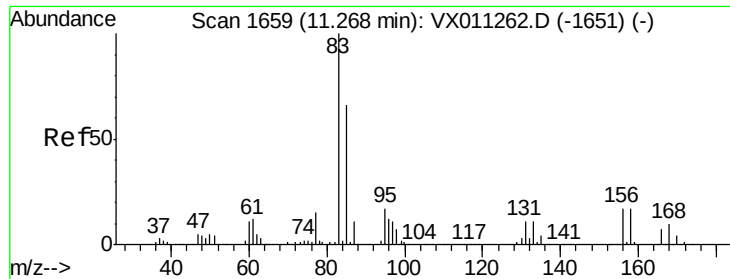
43 100

70 43.6 35.9 53.9

55 25.6 19.8 29.6

61 24.7 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 18.745 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011385.D

Acq: 08 Aug 2019 12:32

Instrument :

MSVOA_X

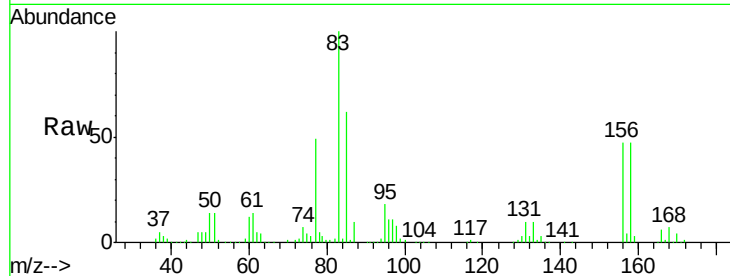
ClientSampled :

VX0808WBSD01

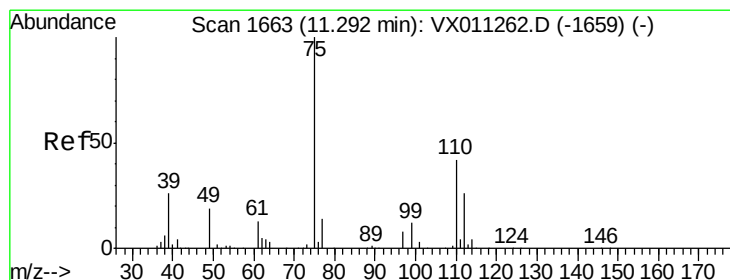
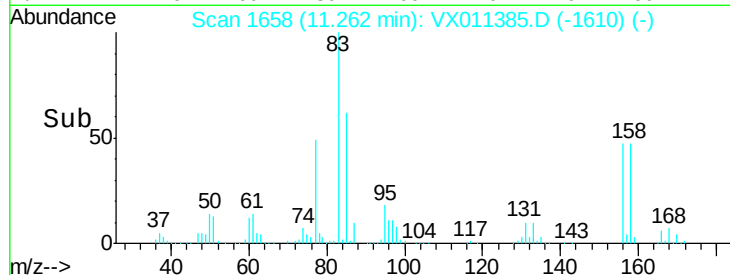
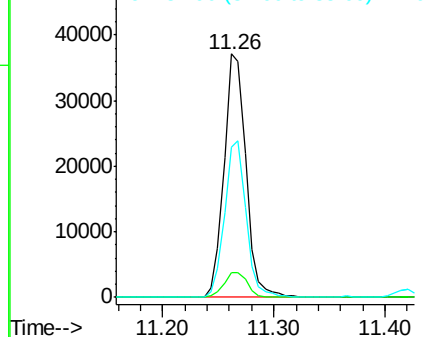
Tot Ion:	83	Resp:	50660
Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.6	16.8
85	63.3	32.1	96.5

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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 19.707 ug/l m

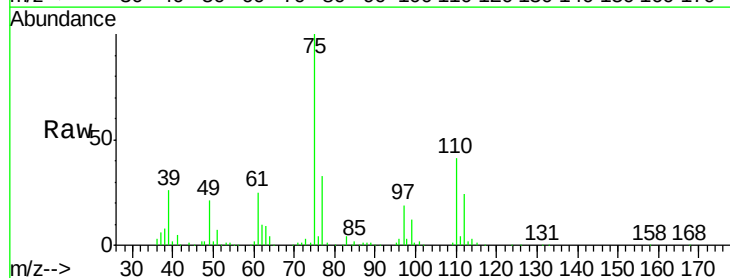
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

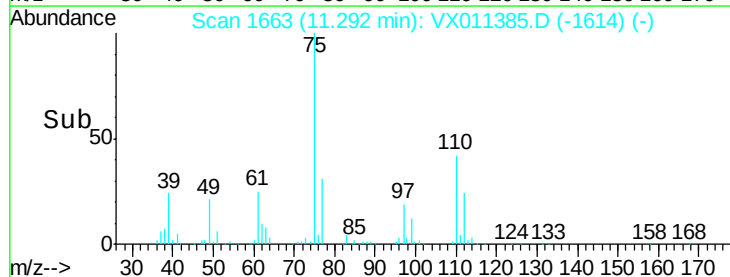
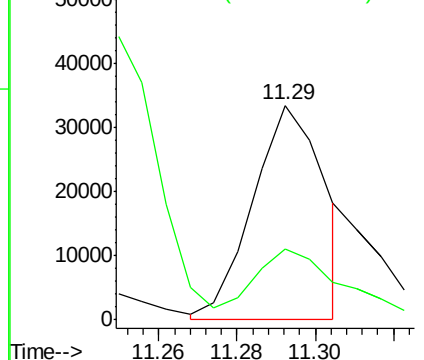
Lab File: VX011385.D

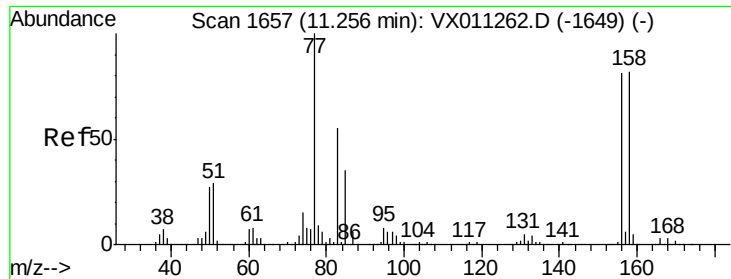
Acq: 08 Aug 2019 12:32

Tgt Ion:	75	Resp:	42556
Ion	Ratio	Lower	Upper
75	100		
77	40.9	21.1	63.4



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 18.047 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX011385.D

Acq: 08 Aug 2019 12:32

Instrument :

MSVOA_X

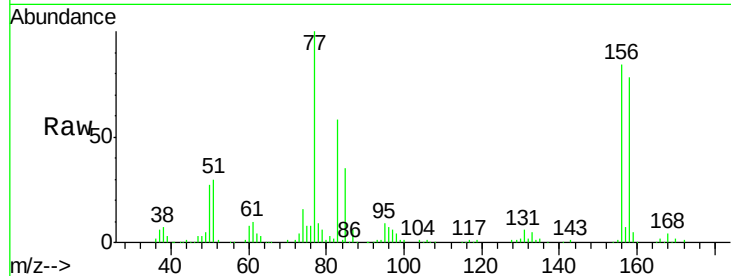
ClientSampleId :

VX0808WBSD01

Tot Ion:	156	Resp:	40584
Ion	Ratio	Lower	Upper
156	100		
77	135.6	66.2	198.6
158	95.7	49.1	147.3

Manual Integrations
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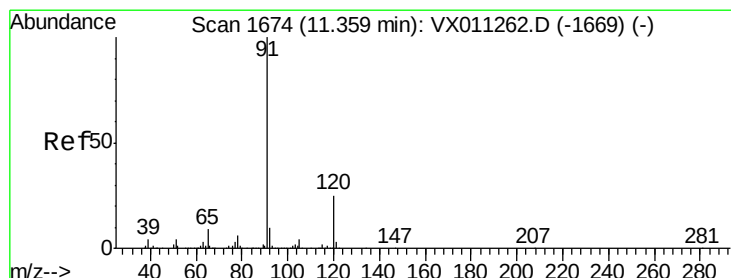
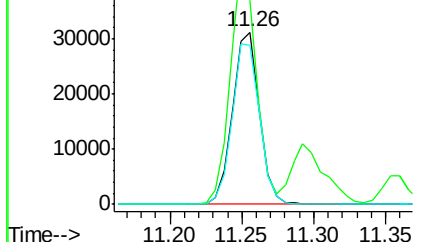
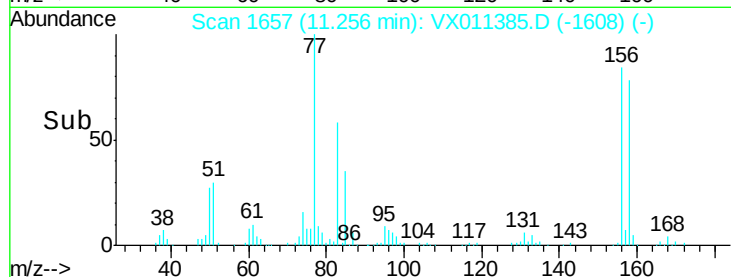
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.952 ug/l

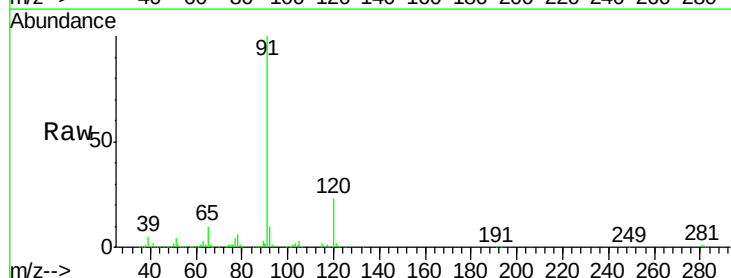
RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011385.D

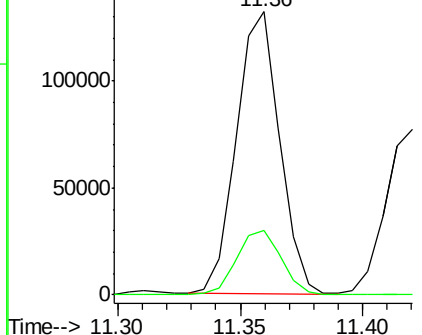
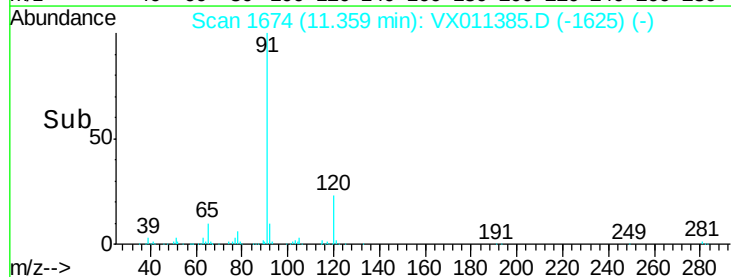
Acq: 08 Aug 2019 12:32

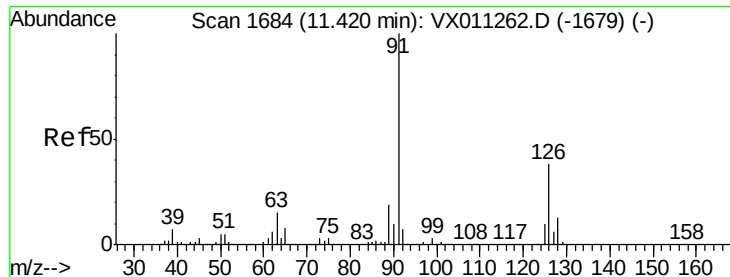
Tgt Ion:	91	Resp:	161900
Ion	Ratio	Lower	Upper
91	100		
120	23.7	12.4	37.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.927 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX011385.D

Acq: 08 Aug 2019 12:32

Instrument :

MSVOA_X

ClientSampled :

VX0808WBSD01

Tot Ion: 91 Resp: 96363

Ion Ratio Lower Upper

91 100

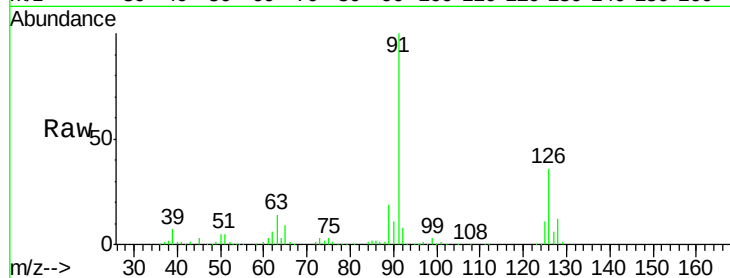
126 36.2 18.5 55.5

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

150000

100000

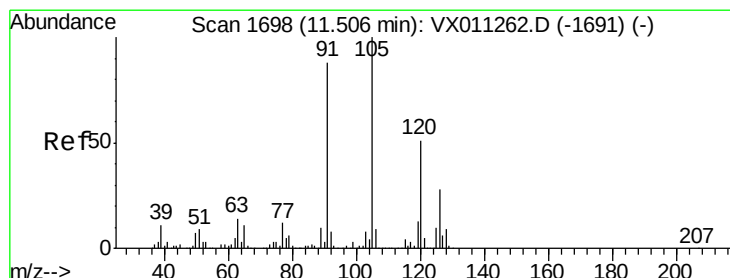
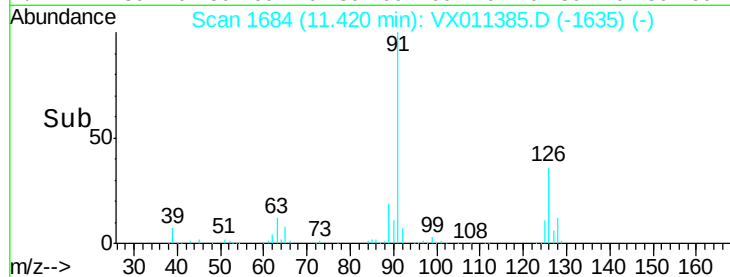
50000

0

11.42

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 17.998 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011385.D

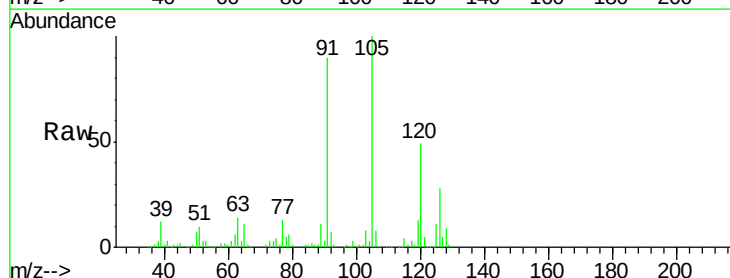
Acq: 08 Aug 2019 12:32

Tgt Ion:105 Resp: 122184

Ion Ratio Lower Upper

105 100

120 48.8 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

120000

100000

80000

60000

40000

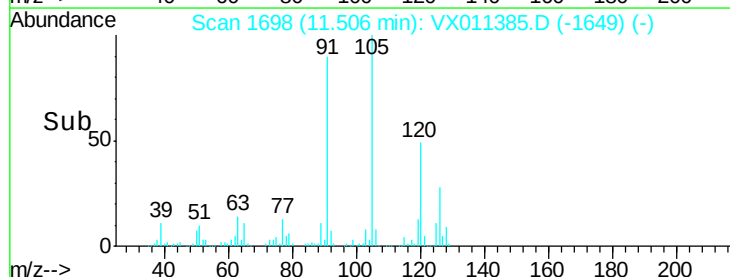
20000

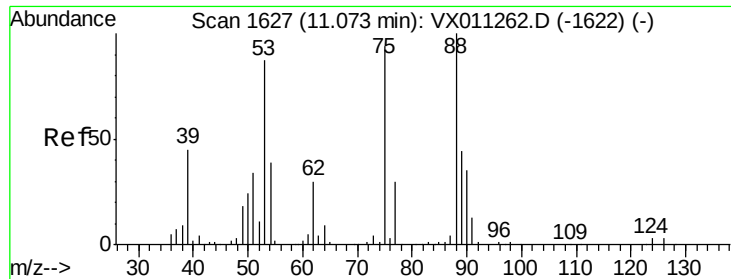
0

11.51

11.60

Time-->





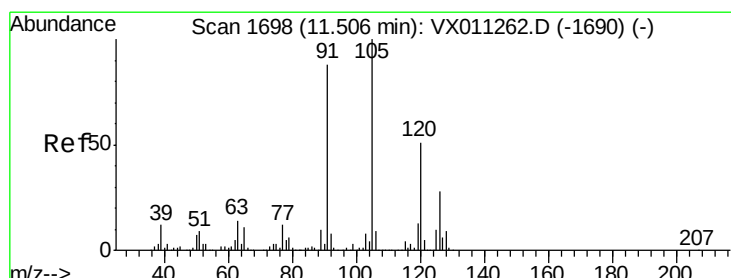
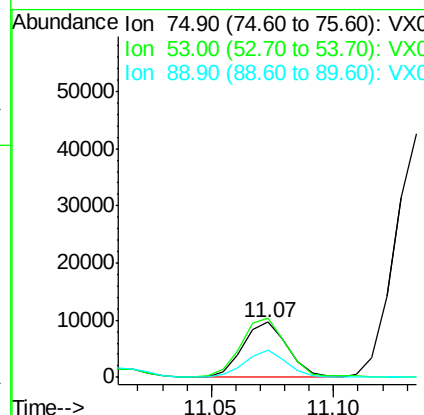
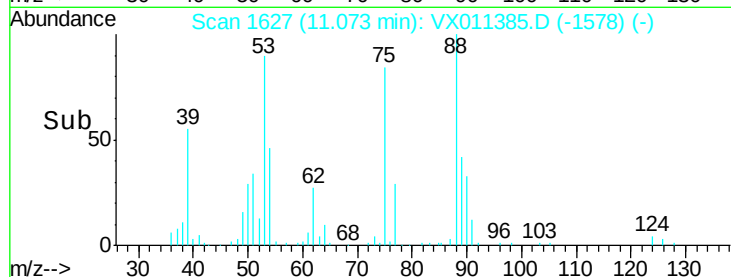
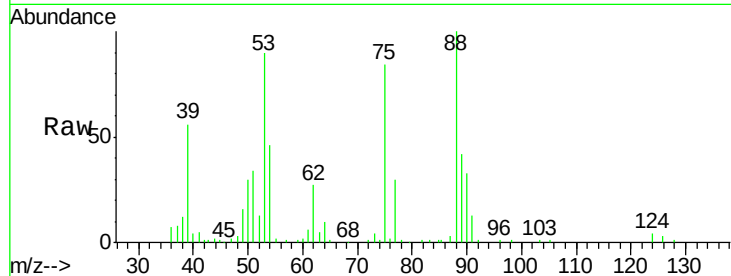
#81
trans-1,4-Dichloro-2-butene
Concen: 18.377 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011385.D
Acq: 08 Aug 2019 12:32

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.2	78.2	117.4
89	46.9	37.9	56.9

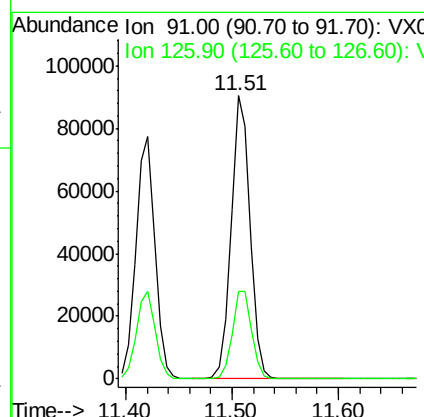
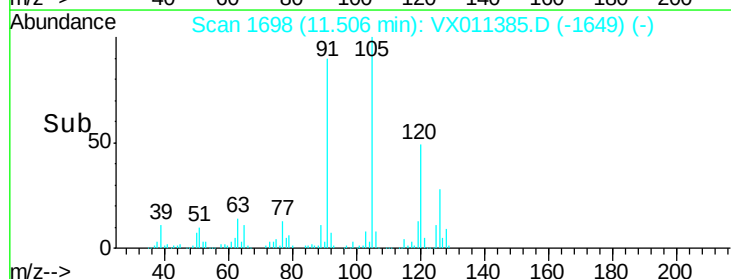
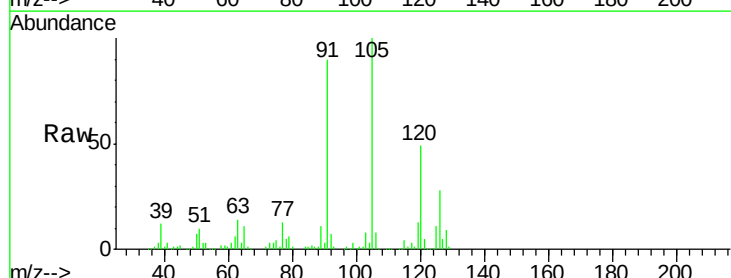
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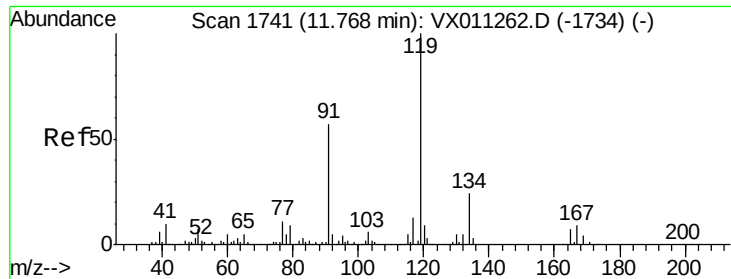
MMDadoda
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#82
4-Chlorotoluene
Concen: 18.042 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011385.D
Acq: 08 Aug 2019 12:32

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	16.4	49.2





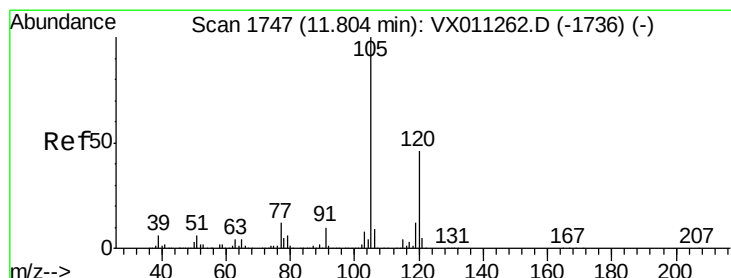
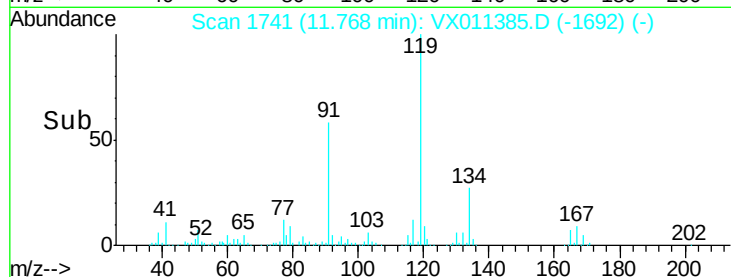
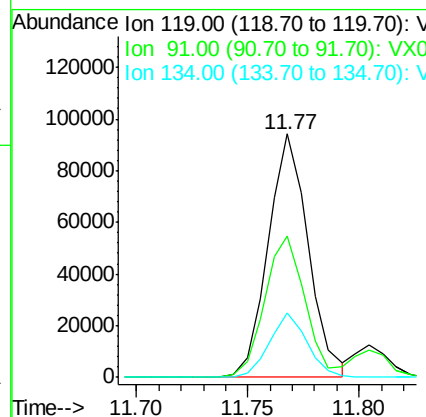
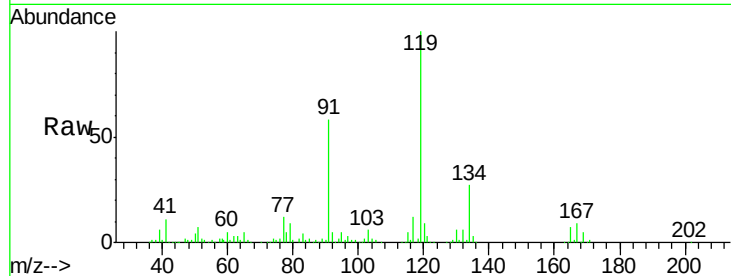
#83
 tert-Butylbenzene
 Concen: 17.693 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011385.D
 Acq: 08 Aug 2019 12:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0808WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	117803		
91	58.7	28.0	84.0	
134	24.9	11.9	35.5	

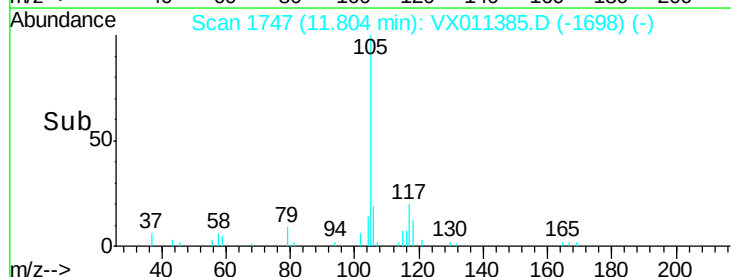
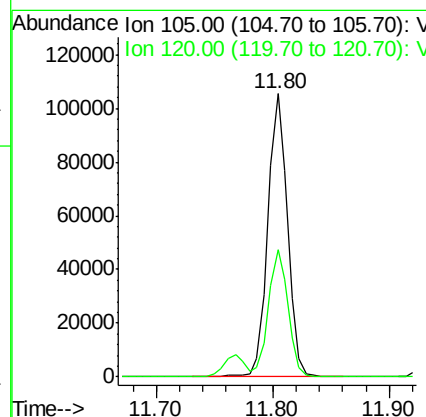
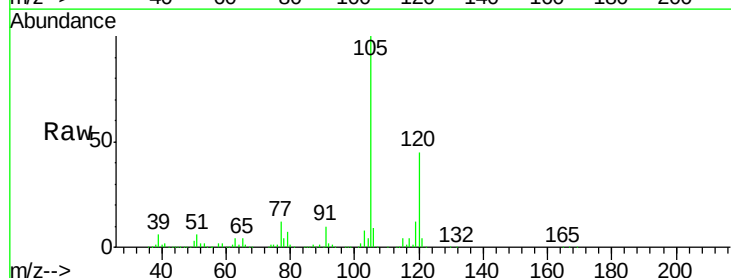
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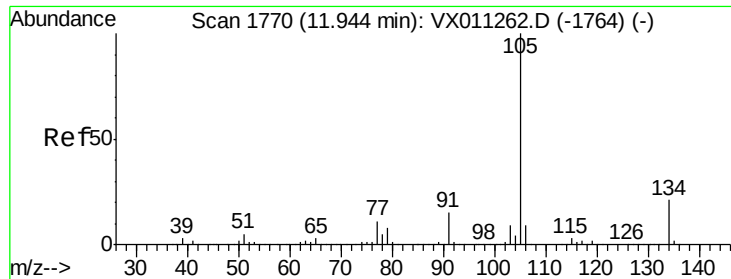
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.444 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011385.D
 Acq: 08 Aug 2019 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	124667		
120	45.0	23.0	69.0	





#85

sec-Butylbenzene

Concen: 17.662 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011385.D

Acq: 08 Aug 2019 12:32

Instrument :

MSVOA_X

ClientSampled :

VX0808WBSD01

Tot Ion:105 Resp: 141292

Ion Ratio Lower Upper

105 100

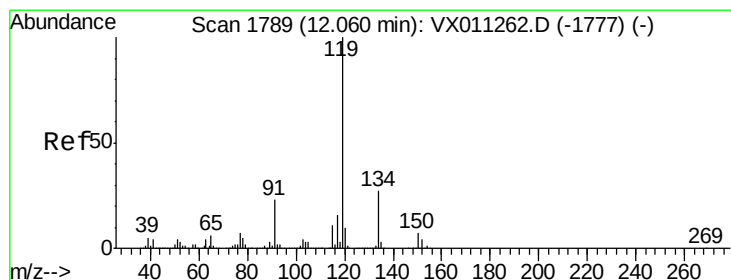
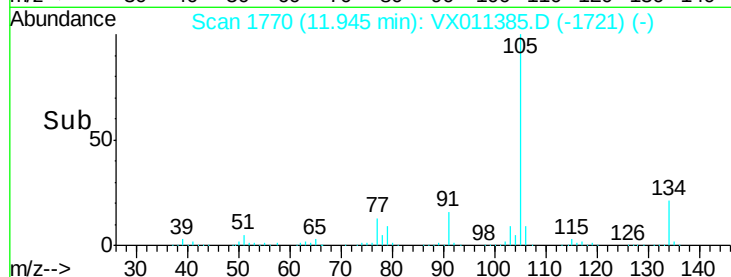
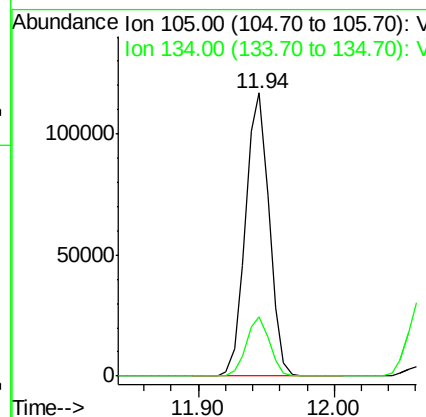
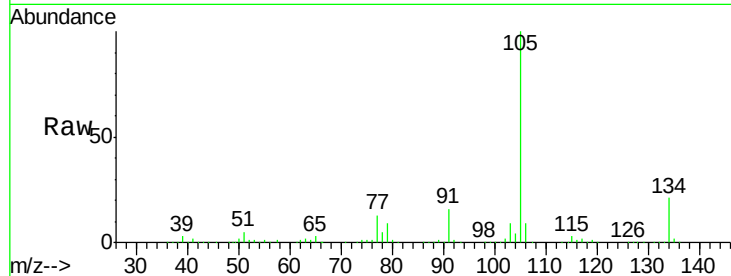
134 20.5 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 17.264 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011385.D

Acq: 08 Aug 2019 12:32

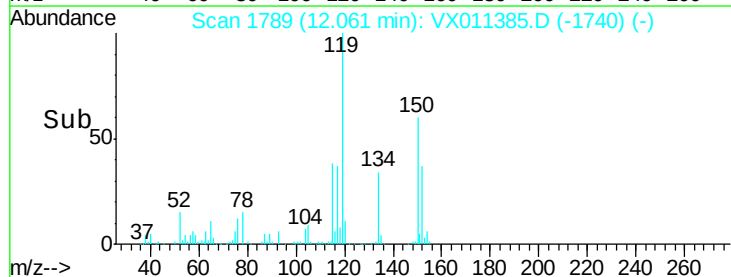
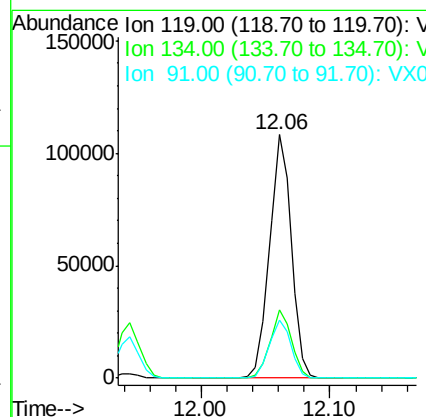
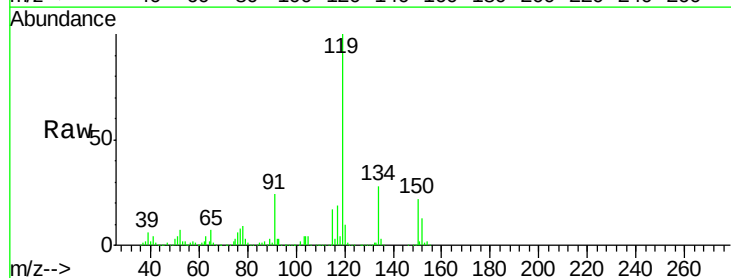
Tgt Ion:119 Resp: 127052

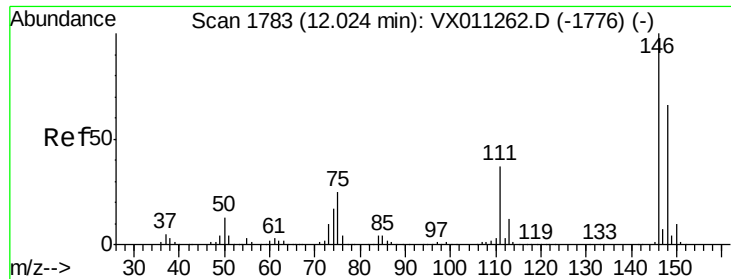
Ion Ratio Lower Upper

119 100

134 27.6 13.7 41.0

91 23.9 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 17.636 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX011385.D

Acq: 08 Aug 2019 12:32

Instrument :

MSVOA_X

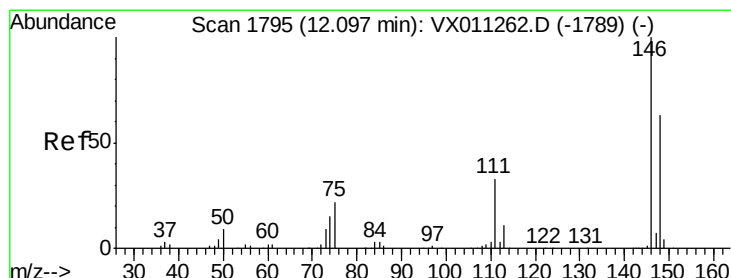
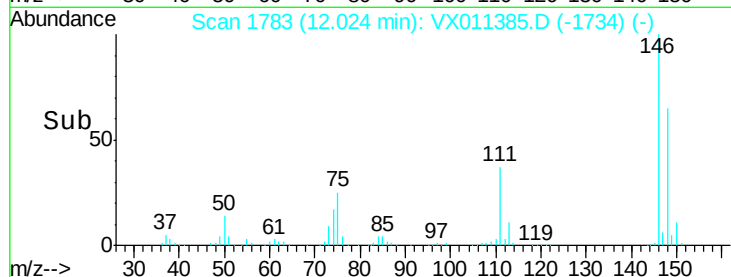
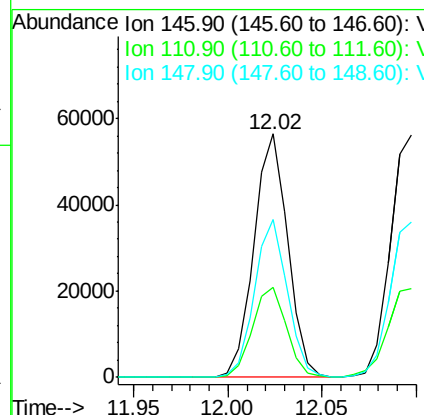
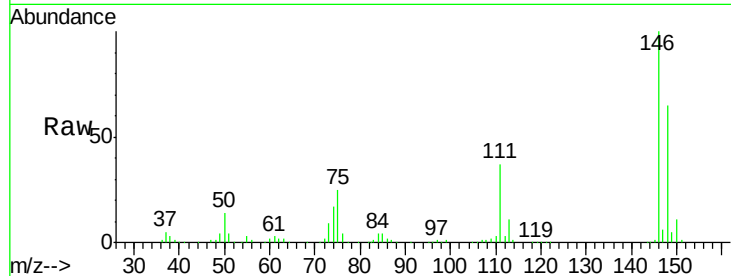
ClientSampled :

VX0808WBSD01

Tot Ion:	146	Resp:	70077
Ion Ratio	Lower	Upper	
146	100		
111	37.3	18.6	55.8
148	63.1	32.5	97.5

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#88

1,4-Dichlorobenzene

Concen: 17.094 ug/l

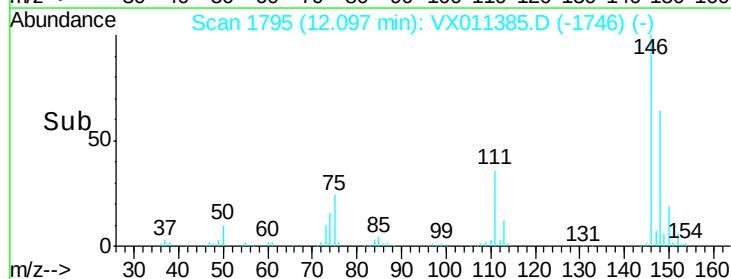
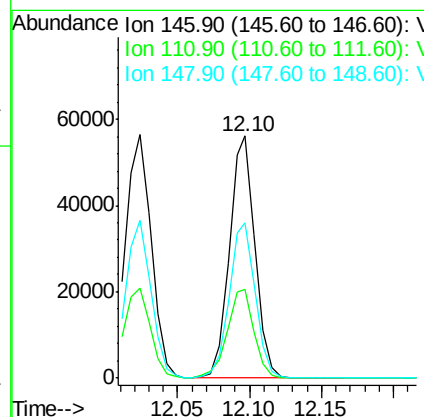
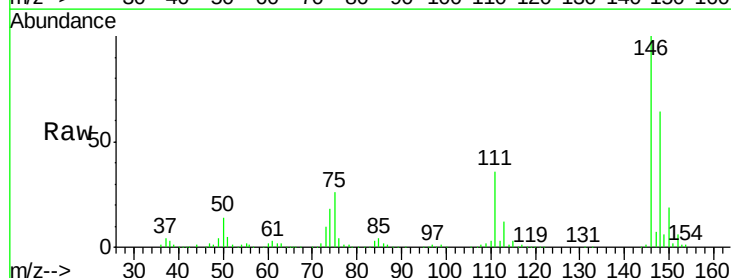
RT: 12.10 min Scan# 1795

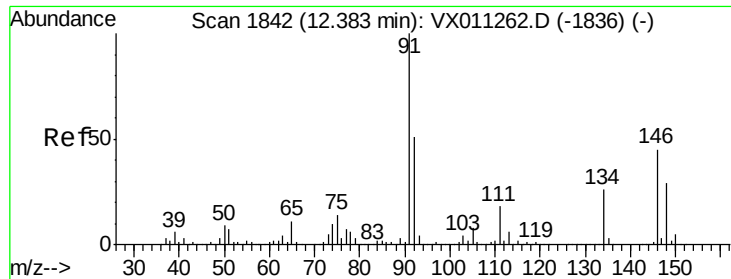
Delta R.T. 0.00 min

Lab File: VX011385.D

Acq: 08 Aug 2019 12:32

Tgt Ion:	146	Resp:	70040
Ion Ratio	Lower	Upper	
146	100		
111	38.5	17.8	53.4
148	65.6	31.8	95.3





#89

n-Butylbenzene

Concen: 16.894 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX011385.D

Acq: 08 Aug 2019 12:32

Instrument :

MSVOA_X

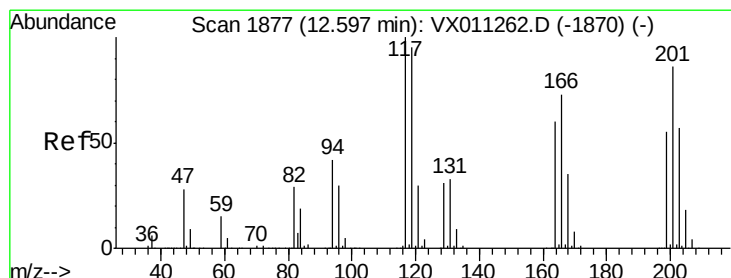
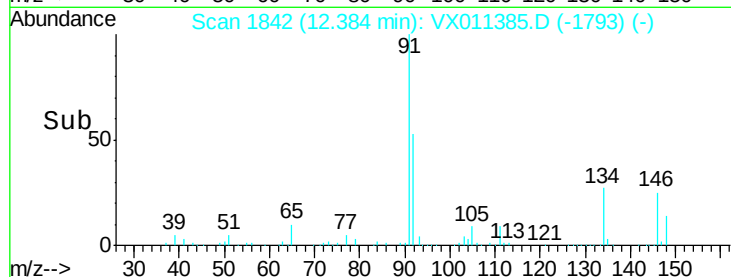
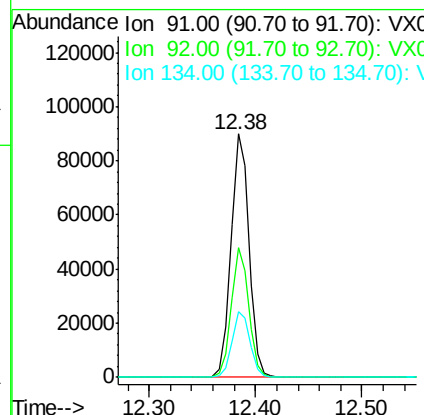
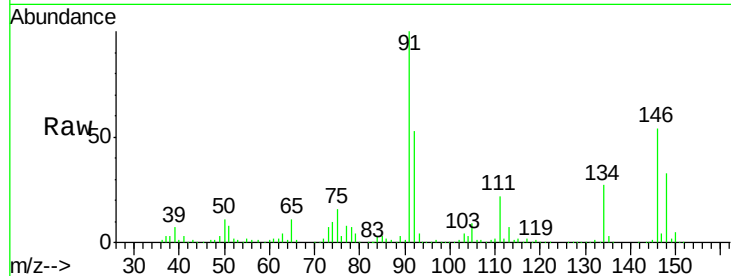
ClientSampleId :

VX0808WBSD01

Tot Ion:	91	Resp:	107117
Ion Ratio		Lower	Upper
91	100		
92	51.5	25.8	77.3
134	26.9	13.7	41.0

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#90

Hexachloroethane

Concen: 17.041 ug/l

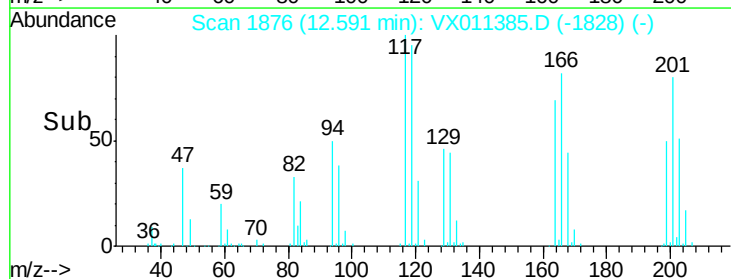
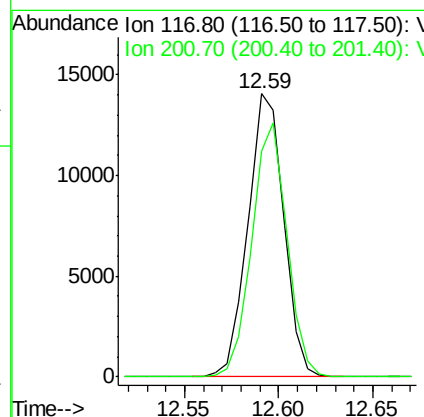
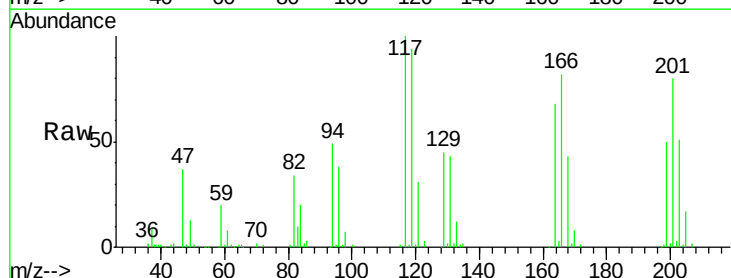
RT: 12.59 min Scan# 1876

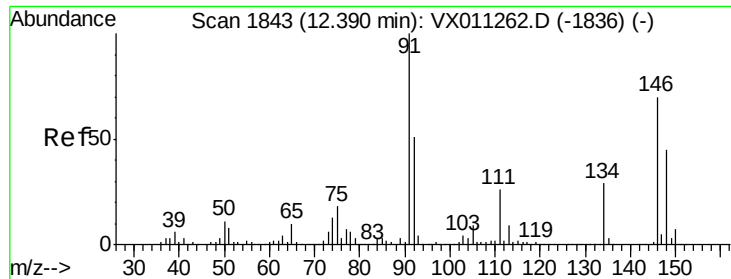
Delta R.T. -0.01 min

Lab File: VX011385.D

Acq: 08 Aug 2019 12:32

Tgt Ion:	117	Resp:	18541
Ion Ratio		Lower	Upper
117	100		
201	87.3	41.8	125.4





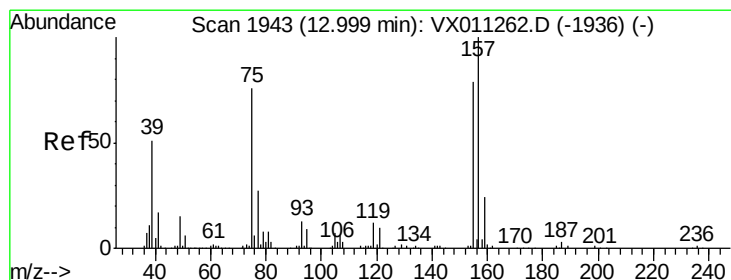
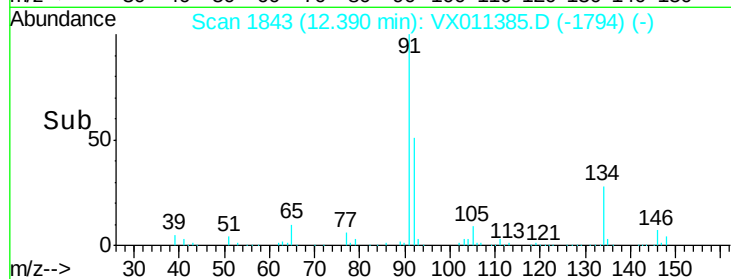
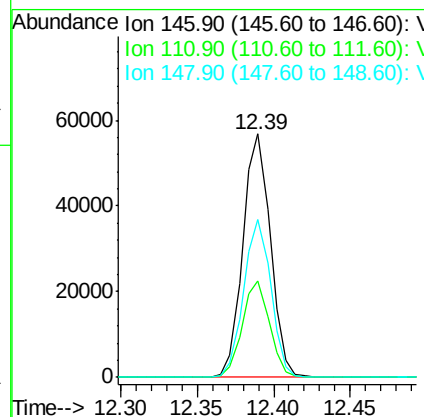
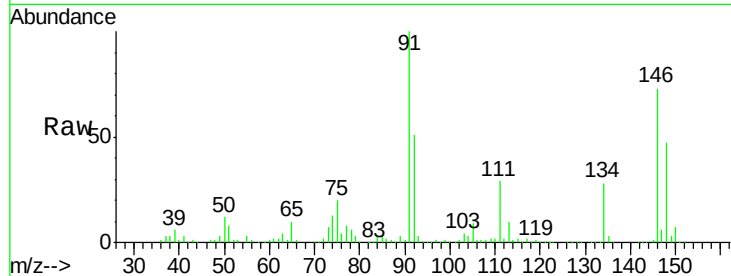
#91
 1,2-Dichlorobenzene
 Concen: 17.775 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011385.D
 Acq: 08 Aug 2019 12:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0808WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.1	57.1
148	64.3	32.3	96.8

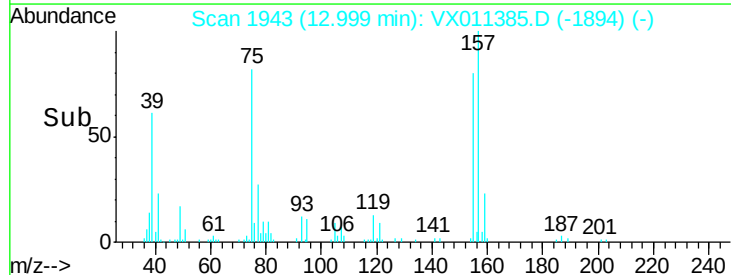
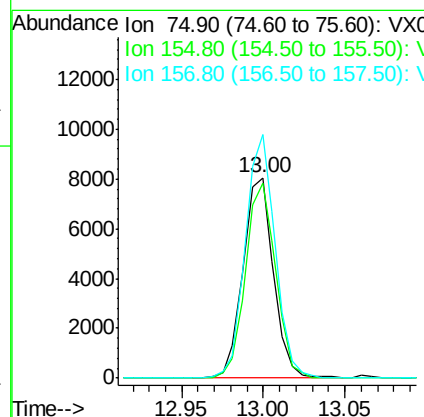
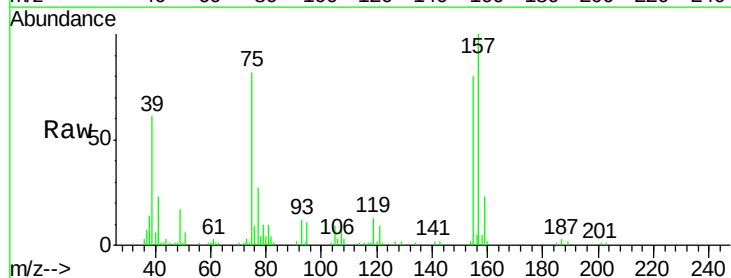
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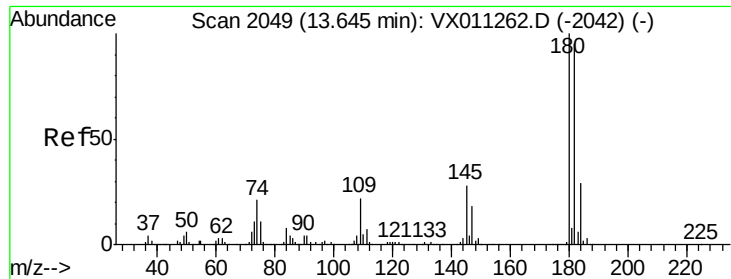
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.021 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX011385.D
 Acq: 08 Aug 2019 12:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.0	51.9	155.8
157	118.8	64.3	192.7





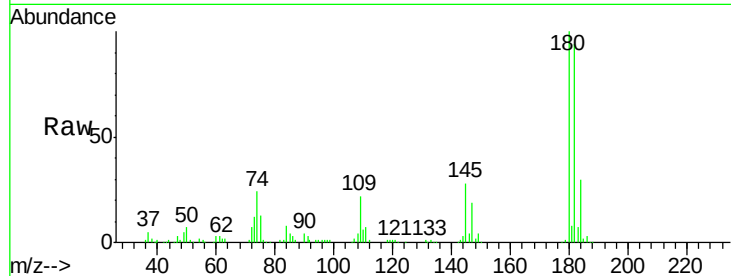
#93
 1,2,4-Trichlorobenzene
 Concen: 17.113 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX011385.D
 Acq: 08 Aug 2019 12:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0808WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	45310		
182	96.3		47.8	143.4
145	28.3		14.8	44.3

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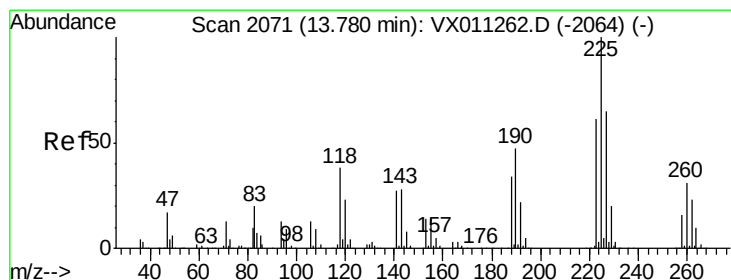
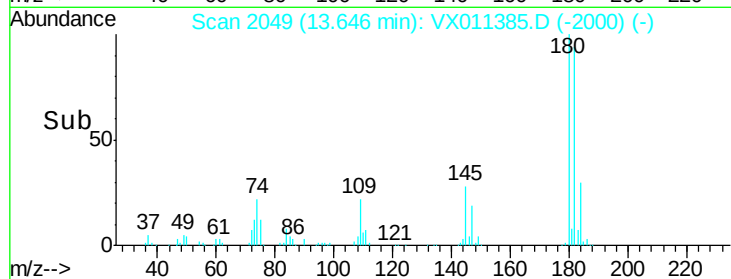
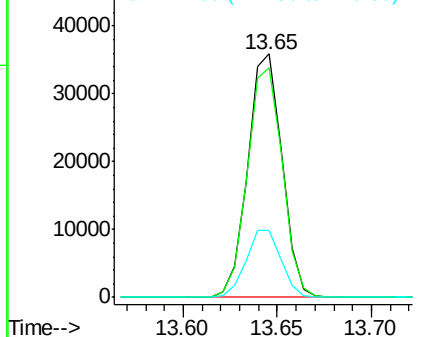


Abundance

Ion 179.80 (179.50 to 180.50): V

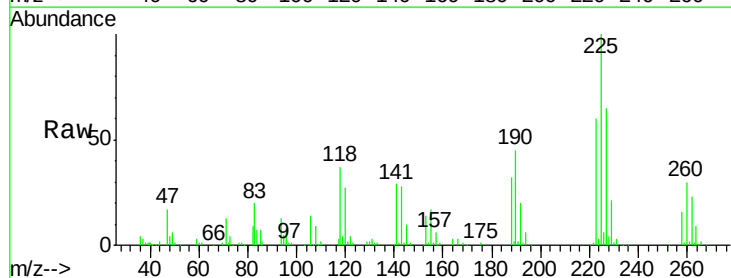
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 17.653 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011385.D
 Acq: 08 Aug 2019 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	23714		
223	60.5		31.0	93.0
227	61.6		32.2	96.6

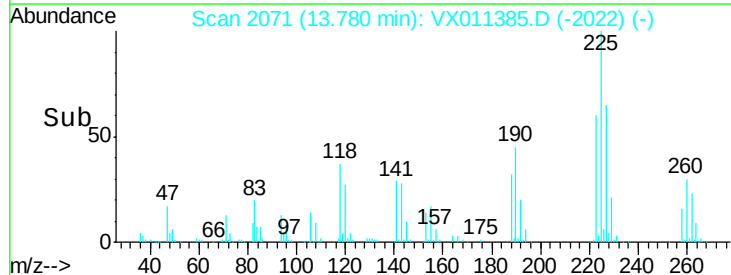
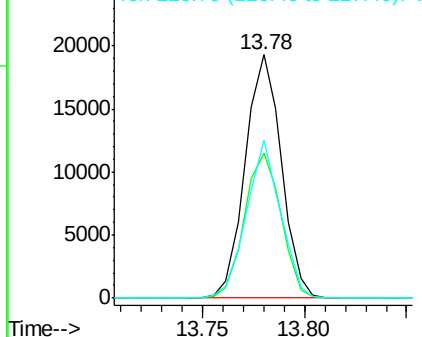


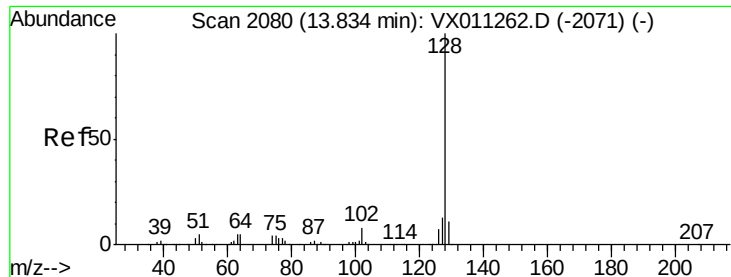
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.360 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX011385.D

Acq: 08 Aug 2019 12:32

Instrument :

MSVOA_X

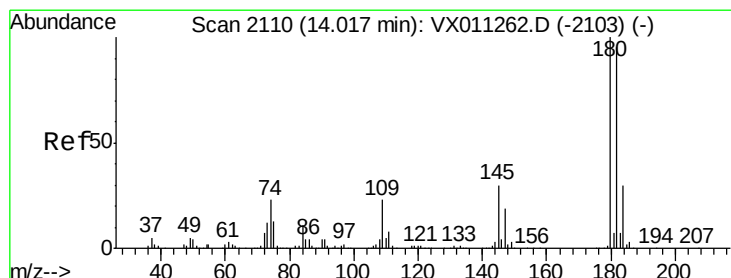
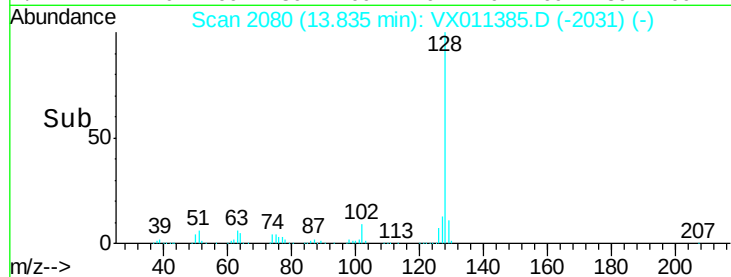
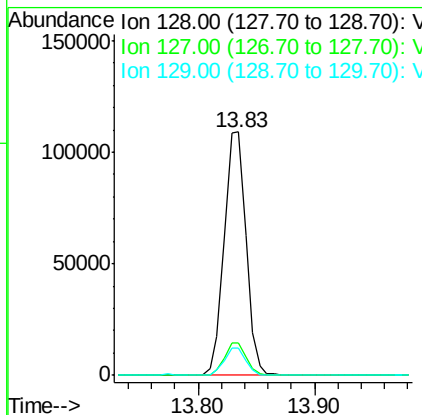
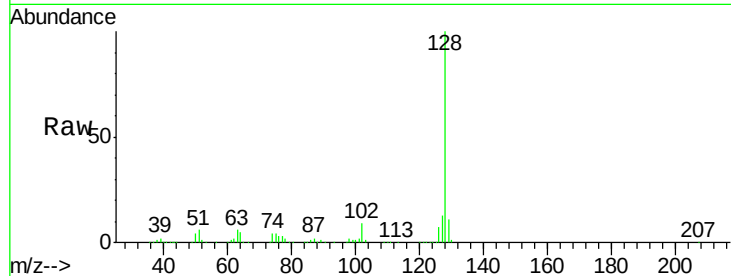
ClientSampleId :

VX0808WBSD01

Tot Ion:	128	Resp:	142158
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	11.2	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
8/9/2019 11:08:11 AM



#96

1,2,3-Trichlorobenzene

Concen: 17.724 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX011385.D

Acq: 08 Aug 2019 12:32

Tgt Ion:	180	Resp:	47708
Ion Ratio	Lower	Upper	
180	100		
182	93.9	47.4	142.3
145	31.4	15.2	45.6

