

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091819\
 Data File : VX012475.D
 Acq On : 18 Sep 2019 15:47
 Operator : JC/SP
 Sample : VX0918WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

Manual Integrations
 APPROVED

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 9/19/2019 1:04:35 PM

Quant Time: Sep 19 07:12:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	204332	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	338509	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	301665	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	143583	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	123637	42.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.44%	
35) Dibromofluoromethane	5.49	113	89169	43.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.04%	
50) Toluene-d8	8.71	98	328740	43.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.70%	
62) 4-Bromofluorobenzene	11.13	95	132161	41.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	25375	18.859	ug/l	100
3) Chloromethane	1.32	50	20785	18.503	ug/l	96
4) Vinyl Chloride	1.40	62	23131	19.051	ug/l	98
5) Bromomethane	1.63	94	10482	21.974	ug/l	93
6) Chloroethane	1.71	64	17425	18.340	ug/l #	88
7) Trichlorofluoromethane	1.92	101	43487	19.538	ug/l	99
8) Diethyl Ether	2.18	74	18751	18.652	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	30830	19.145	ug/l	99
10) Methyl Iodide	2.50	142	22948	19.572	ug/l	96
11) Tert butyl alcohol	3.03	59	68539	88.497	ug/l	99
12) 1,1-Dichloroethene	2.36	96	24269	18.892	ug/l	92
13) Acrolein	2.28	56	19460	74.496	ug/l	95
14) Allyl chloride	2.72	41	54767	18.312	ug/l	99
15) Acrylonitrile	3.13	53	121184	95.494	ug/l	98
16) Acetone	2.43	43	134410	95.530	ug/l	100
17) Carbon Disulfide	2.56	76	29503	17.459	ug/l	97
18) Methyl Acetate	2.76	43	56784	18.608	ug/l	97
19) Methyl tert-butyl Ether	3.18	73	129379	18.471	ug/l	95
20) Methylene Chloride	2.84	84	33002	18.621	ug/l	94
21) trans-1,2-Dichloroethene	3.16	96	25451	19.078	ug/l	95
22) Diisopropyl ether	3.84	45	128859	18.401	ug/l	97
23) Vinyl Acetate	3.80	43	541920	94.074	ug/l	98
24) 1,1-Dichloroethane	3.69	63	62533	18.663	ug/l	99
25) 2-Butanone	4.66	43	187459	92.281	ug/l	97
26) 2,2-Dichloropropane	4.58	77	61448	18.648	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	37282	18.708	ug/l	98
28) Bromochloromethane	5.00	49	34785	20.138	ug/l	98
29) Tetrahydrofuran	5.11	42	108692	96.855	ug/l	98
30) Chloroform	5.20	83	71054	18.465	ug/l	100
31) Cyclohexane	5.58	56	38465	19.018	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	60047	18.670	ug/l	100
36) 1,1-Dichloropropene	5.79	75	38749	18.835	ug/l	97
37) Ethyl Acetate	4.82	43	63648	20.155	ug/l	98
38) Carbon Tetrachloride	5.78	117	47814	18.687	ug/l	94

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Manual Integrations
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Quant Time: Sep 19 07:12:38 2019
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 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	40255	20.128	ug/l	97
40) Benzene	6.13	78	128198	19.596	ug/l	99
41) Methacrylonitrile	5.03	41	37869	18.623	ug/l	97
42) 1,2-Dichloroethane	6.19	62	57496	18.949	ug/l	99
43) Isopropyl Acetate	6.43	43	103924	18.335	ug/l	99
44) Trichloroethene	7.20	130	34482	20.037	ug/l	97
45) 1,2-Dichloropropane	7.51	63	38498	19.154	ug/l	98
46) Dibromomethane	7.65	93	24762	19.038	ug/l	99
47) Bromodichloromethane	7.89	83	52890	18.263	ug/l	96
48) Methyl methacrylate	7.76	41	49489	18.523	ug/l	99
49) 1,4-Dioxane	7.73	88	23720	364.771	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	351608	94.595	ug/l	99
52) Toluene	8.78	92	81734	19.389	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	55167	18.325	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	58958	18.917	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	41208	18.974	ug/l	97
56) Ethyl methacrylate	9.17	69	63535	18.711	ug/l	99
57) 1,3-Dichloropropane	9.37	76	67223	19.400	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	182883	104.046	ug/l	100
59) 2-Hexanone	9.49	43	271833	93.740	ug/l	98
60) Dibromochloromethane	9.58	129	40792	18.439	ug/l	98
61) 1,2-Dibromoethane	9.67	107	39536	19.932	ug/l	99
64) Tetrachloroethene	9.33	164	30974	22.407	ug/l	97
65) Chlorobenzene	10.14	112	96687	19.419	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	40356	19.530	ug/l	99
67) Ethyl Benzene	10.25	91	165131	19.304	ug/l	99
68) m/p-Xylenes	10.36	106	123011	39.522	ug/l	99
69) o-Xylene	10.70	106	63200	19.745	ug/l	99
70) Styrene	10.71	104	111227	19.640	ug/l	99
71) Bromoform	10.85	173	28670	18.059	ug/l #	99
73) Isopropylbenzene	11.01	105	178691	19.835	ug/l	100
74) N-amyl acetate	10.89	43	91759	18.918	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	68417	19.360	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	65635m	19.900	ug/l	
77) Bromobenzene	11.25	156	44360	20.190	ug/l	97
78) n-propylbenzene	11.35	91	196726	19.592	ug/l	99
79) 2-Chlorotoluene	11.42	91	125293	19.181	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	151092	19.665	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	19768	18.531	ug/l	95
82) 4-Chlorotoluene	11.51	91	144618	19.290	ug/l	99
83) tert-Butylbenzene	11.76	119	154380	18.752	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	154474	19.581	ug/l	100
85) sec-Butylbenzene	11.94	105	175142	19.306	ug/l	99
86) p-Isopropyltoluene	12.06	119	162314	19.484	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	82142	19.875	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	82549	19.444	ug/l	99
89) n-Butylbenzene	12.39	91	136926	18.422	ug/l	98
90) Hexachloroethane	12.59	117	27141	17.769	ug/l	92
91) 1,2-Dichlorobenzene	12.39	146	84534	19.569	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.99	75	17156	18.725	ug/l	98

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Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

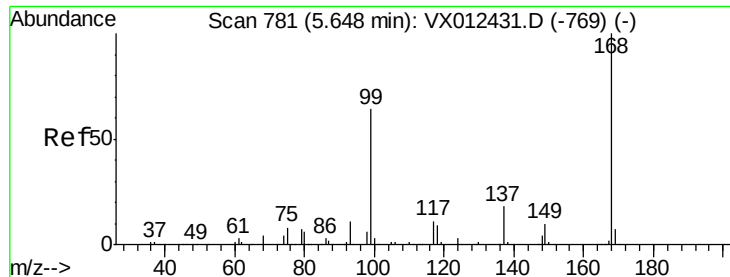
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Sep 17 15:27:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	54280	19.508	ug/l	99
94) Hexachlorobutadiene	13.78	225	24737	18.863	ug/l	96
95) Naphthalene	13.83	128	201225	20.325	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	56185	19.816	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012475.D

Acq: 18 Sep 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tot Ion:168 Resp: 204332

Ion Ratio Lower Upper

168 100

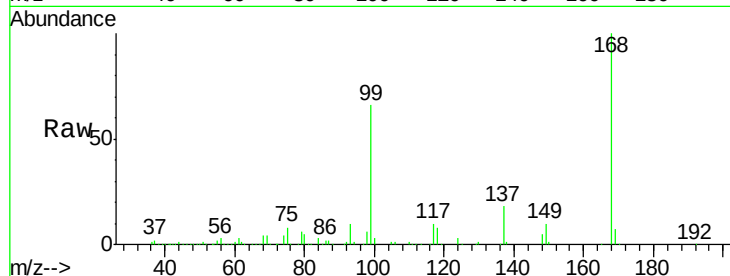
99 65.3 51.4 77.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

80000

60000

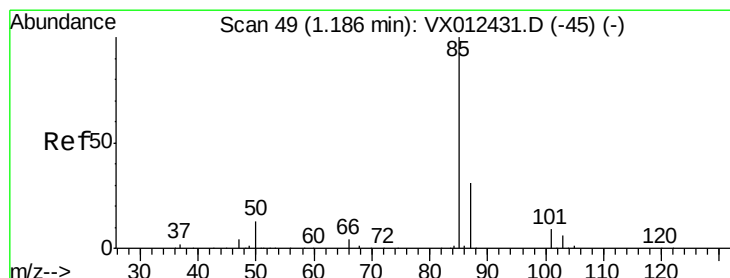
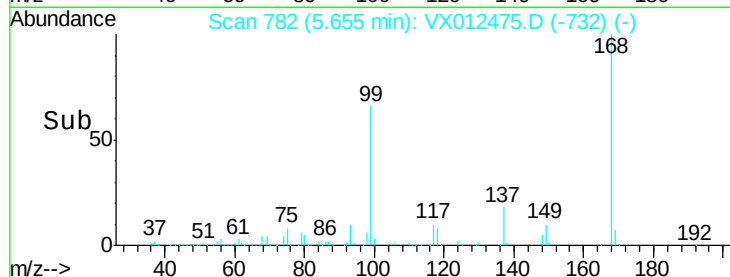
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 18.859 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012475.D

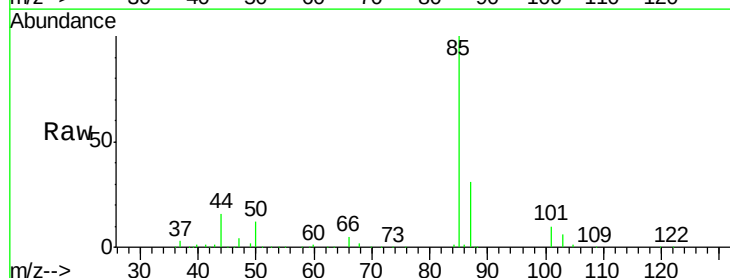
Acq: 18 Sep 2019 15:47

Tgt Ion: 85 Resp: 25375

Ion Ratio Lower Upper

85 100

87 31.4 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

25000

20000

15000

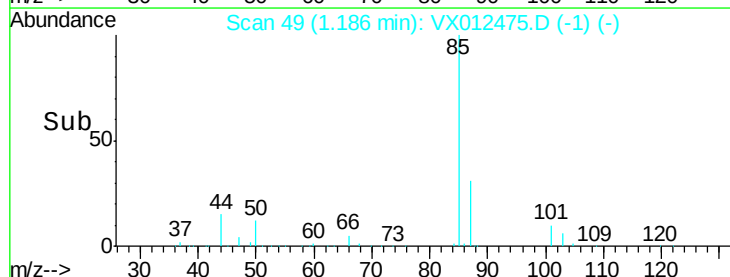
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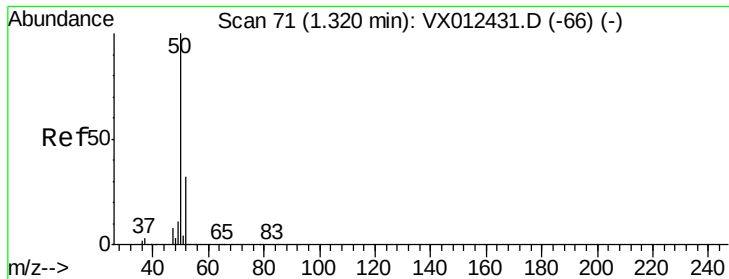
5000

0

Time-->

1.15 1.20 1.25





#3

Chloromethane

Concen: 18.503 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012475.D

Acq: 18 Sep 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tot Ion: 50 Resp: 20785

Ion Ratio Lower Upper

50 100

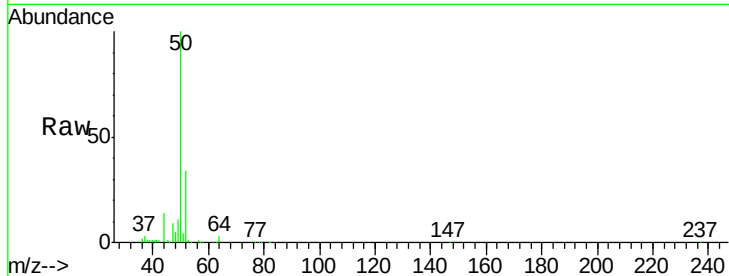
52 34.3 25.7 38.5

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

20000

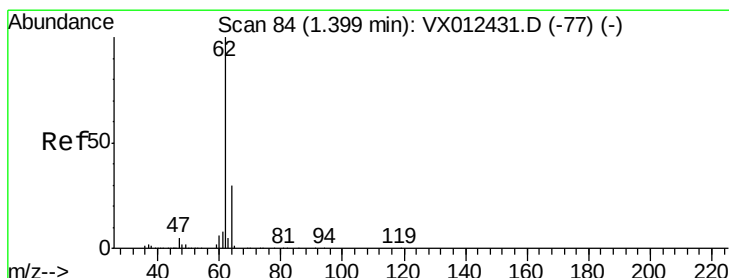
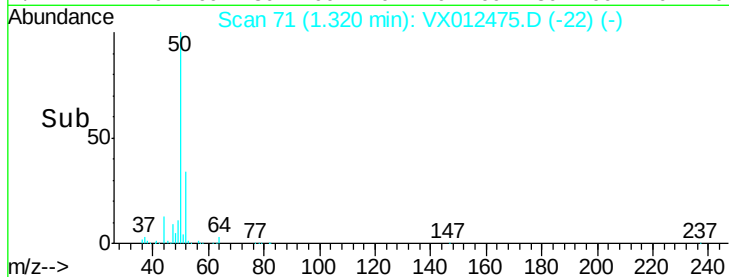
15000

10000

5000

0

Time-->



#4

Vinyl Chloride

Concen: 19.051 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012475.D

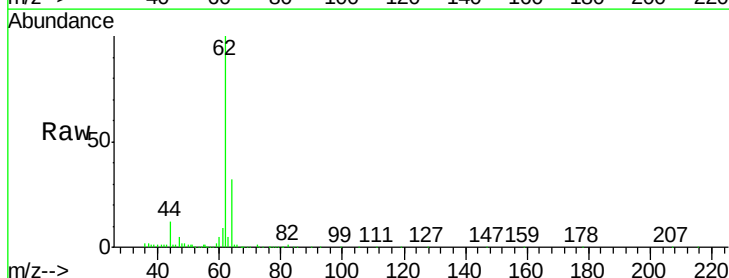
Acq: 18 Sep 2019 15:47

Tgt Ion: 62 Resp: 23131

Ion Ratio Lower Upper

62 100

64 31.2 24.2 36.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

25000

20000

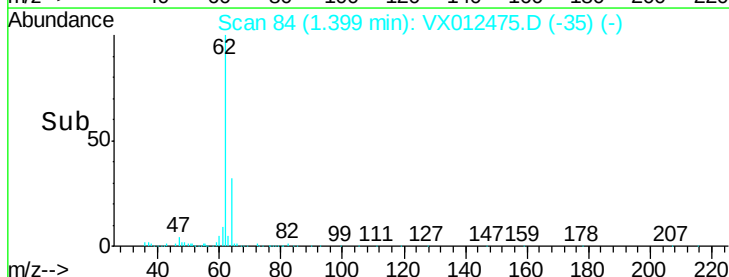
15000

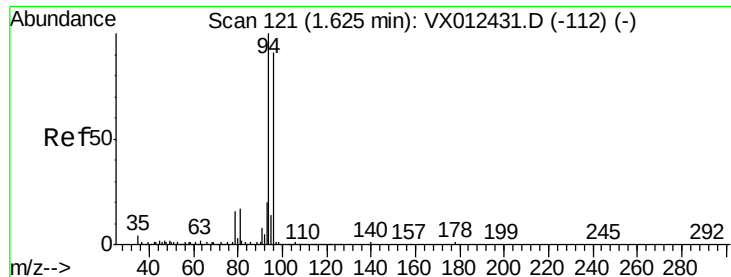
10000

5000

0

Time-->





#5

Bromomethane

Concen: 21.974 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012475.D

Acq: 18 Sep 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tot Ion: 94 Resp: 10482

Ion Ratio Lower Upper

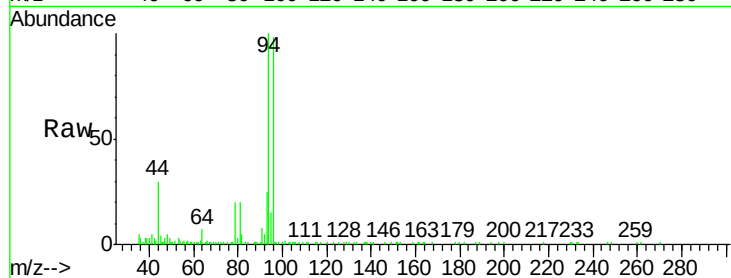
94 100

96 98.0 72.8 109.2

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

10000

8000

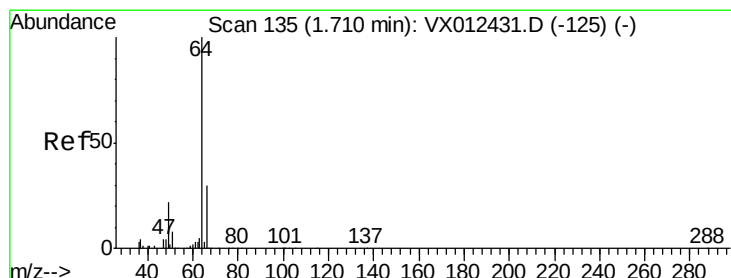
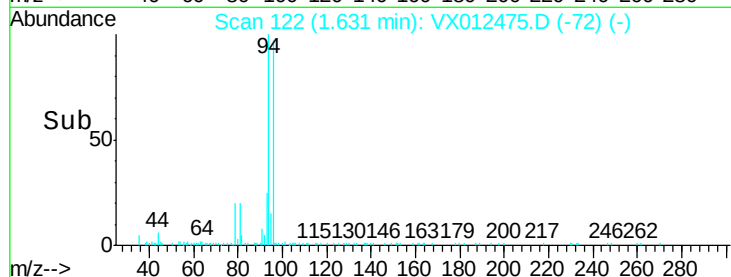
6000

4000

2000

0

Time-->



#6

Chloroethane

Concen: 18.340 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX012475.D

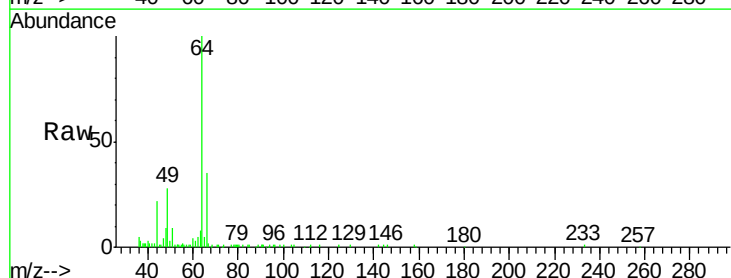
Acq: 18 Sep 2019 15:47

Tgt Ion: 64 Resp: 17425

Ion Ratio Lower Upper

64 100

66 36.3 24.0 36.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

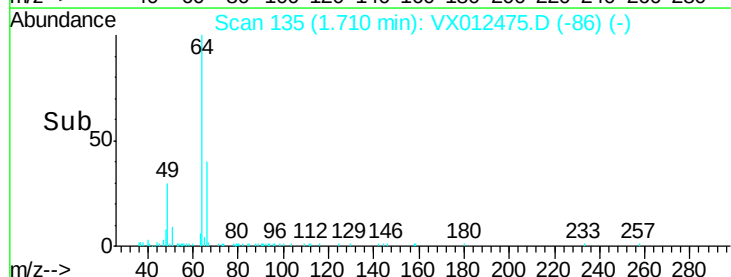
1.71

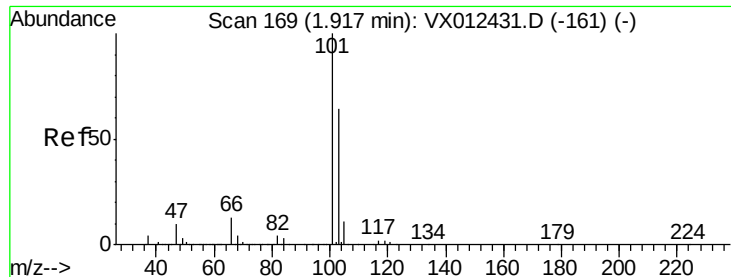
10000

5000

0

Time-->





#7

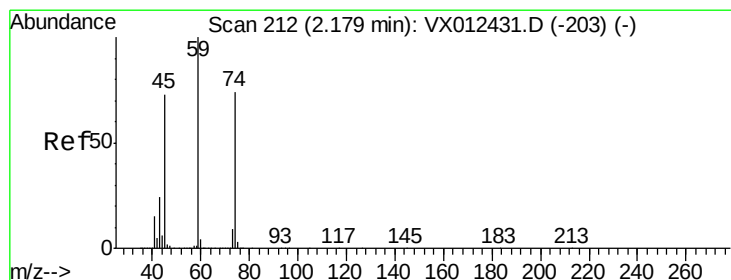
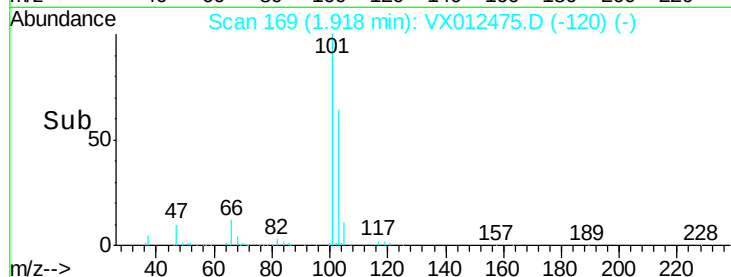
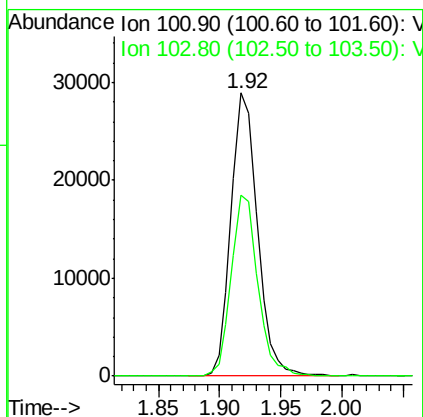
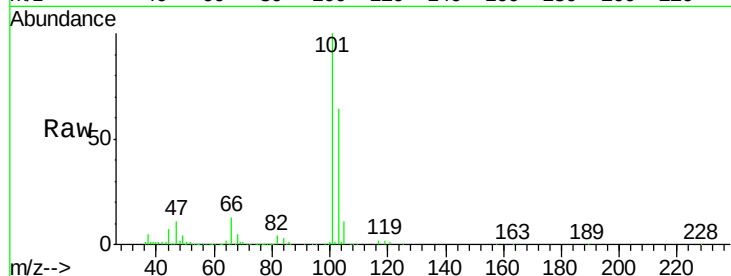
Trichlorofluoromethane
 Concen: 19.538 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX012475.D
 Acq: 18 Sep 2019 15:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.0	76.4

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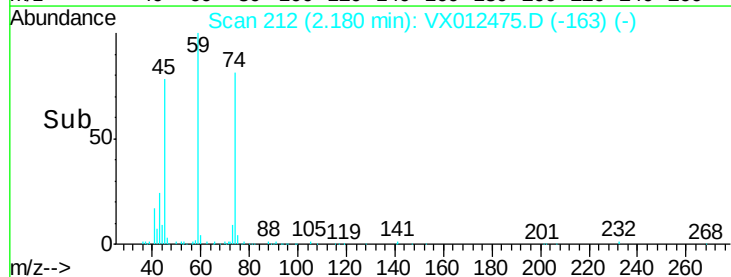
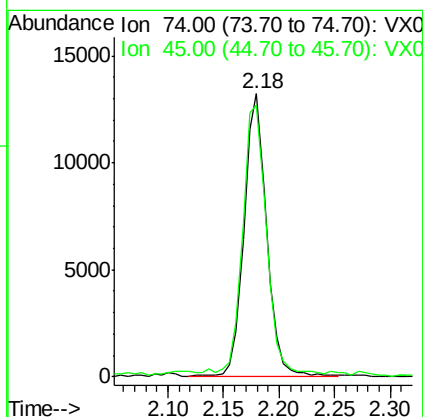
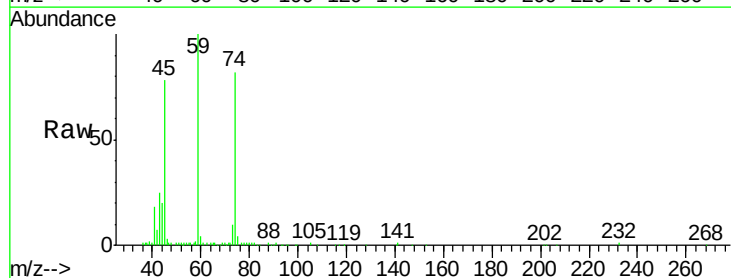
MMDadoda
 9/19/2019 1:04:35 PM

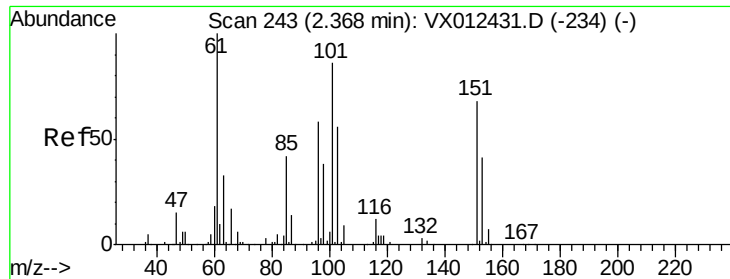


#8

Diethyl Ether
 Concen: 18.652 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX012475.D
 Acq: 18 Sep 2019 15:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.8	49.9	149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.145 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX012475.D

Acq: 18 Sep 2019 15:47

Instrument :

MSVOA_X

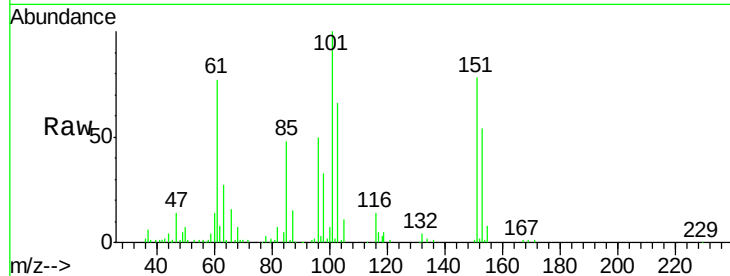
ClientSampleId :

VX0918WBSD01

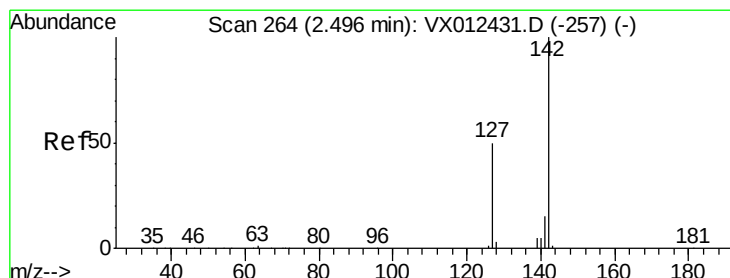
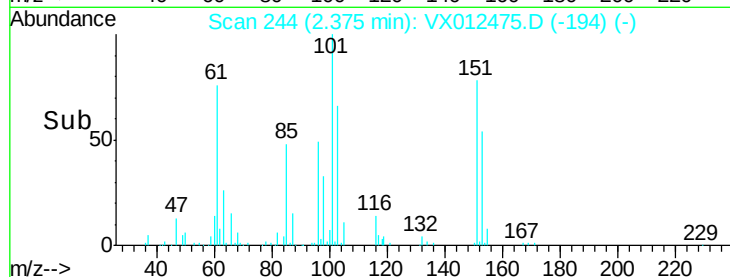
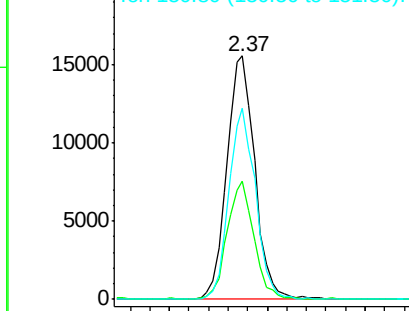
Tot Ion:	101	Resp:	30830
Ion Ratio	Lower	Upper	
101	100		
85	46.4	37.3	55.9
151	74.5	61.0	91.4

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.572 ug/l

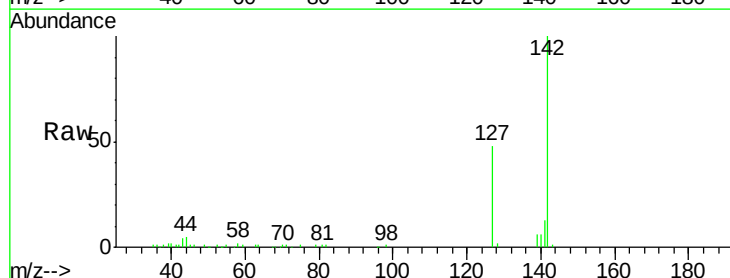
RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

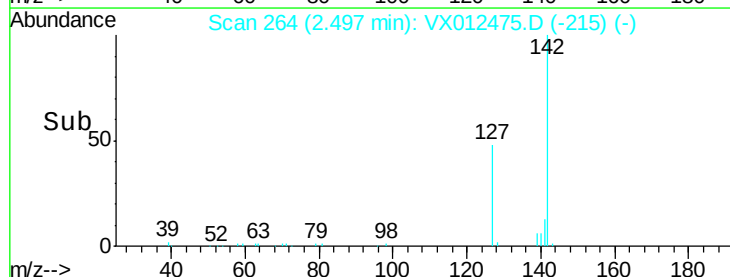
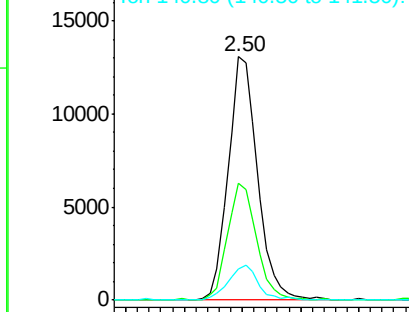
Lab File: VX012475.D

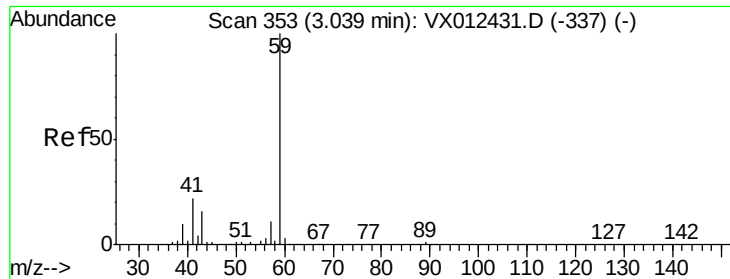
Acq: 18 Sep 2019 15:47

Tgt Ion:	142	Resp:	22948
Ion Ratio	Lower	Upper	
142	100		
127	47.4	40.8	61.2
141	14.7	12.1	18.1



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

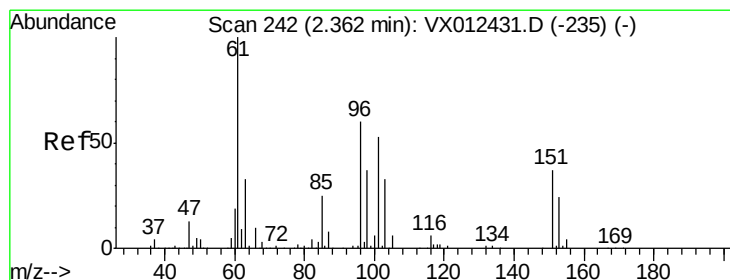
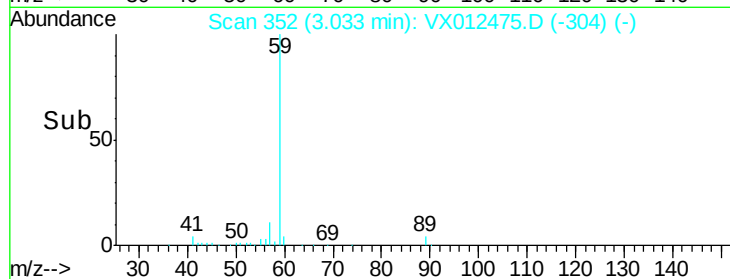
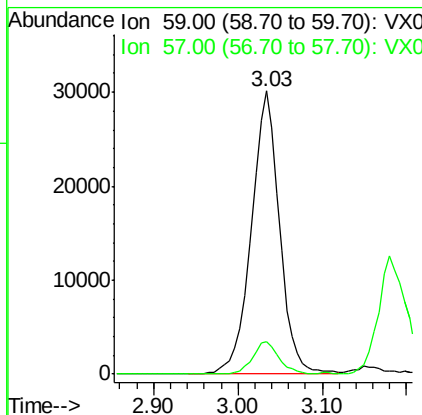
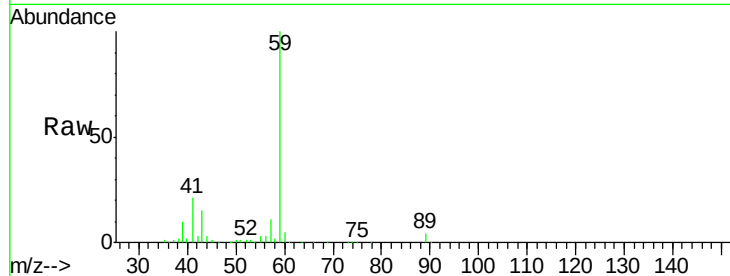
Tert butyl alcohol
 Concen: 88.497 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VX012475.D
 Acq: 18 Sep 2019 15:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.3	12.5

Manual Integrations
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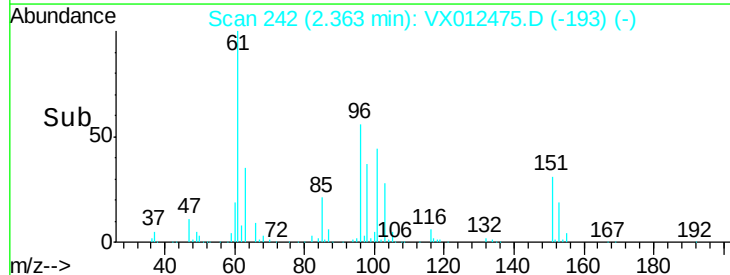
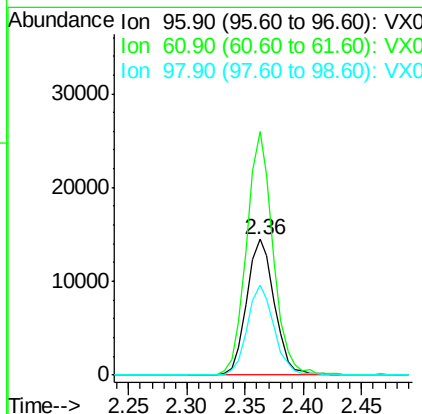
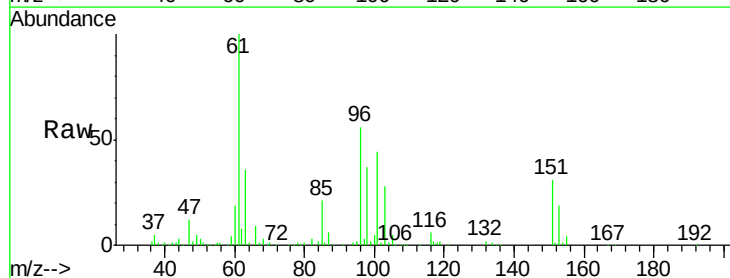
MMDadoda
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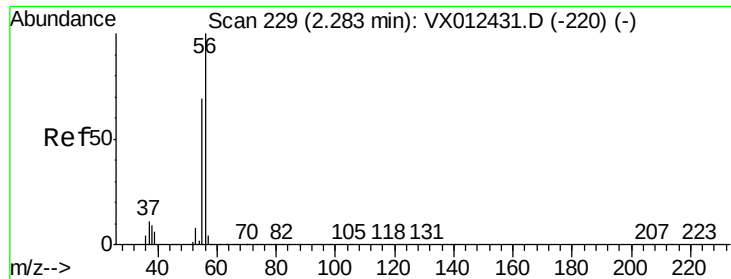


#12

1,1-Dichloroethene
 Concen: 18.892 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VX012475.D
 Acq: 18 Sep 2019 15:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	179.3	133.8	200.6
98	66.5	49.9	74.9





#13

Acrolein

Concen: 74.496 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012475.D

Acq: 18 Sep 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tot Ion: 56 Resp: 19460

Ion Ratio Lower Upper

56 100

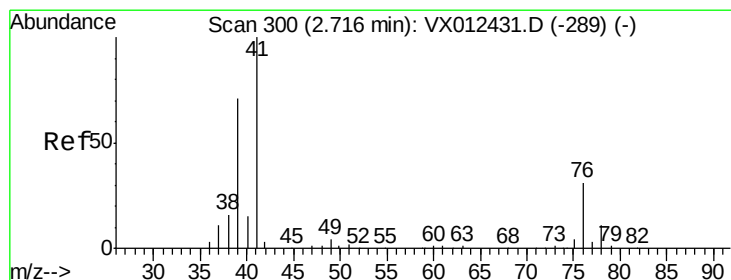
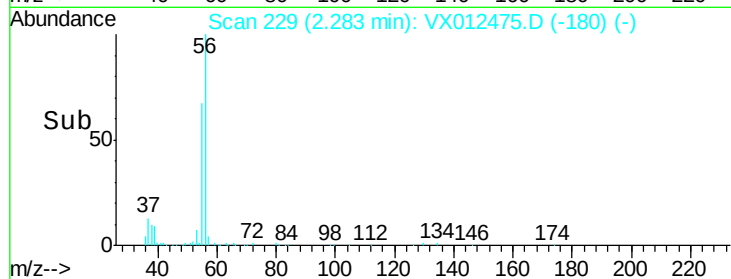
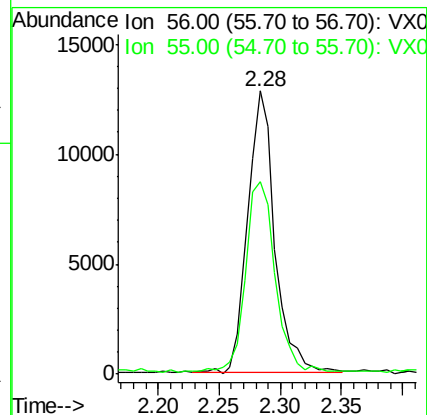
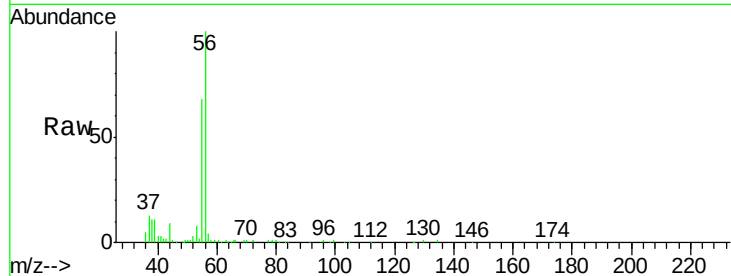
55 73.7 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 18.312 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX012475.D

Acq: 18 Sep 2019 15:47

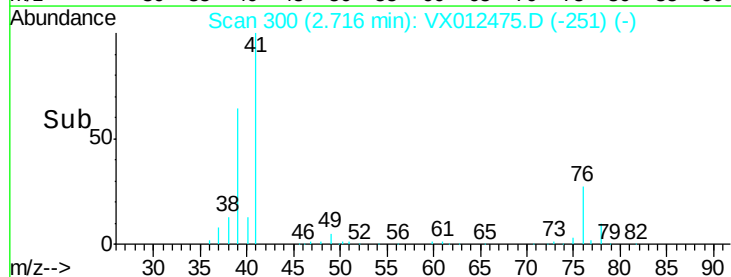
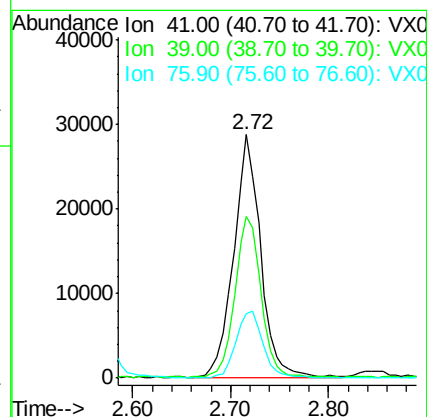
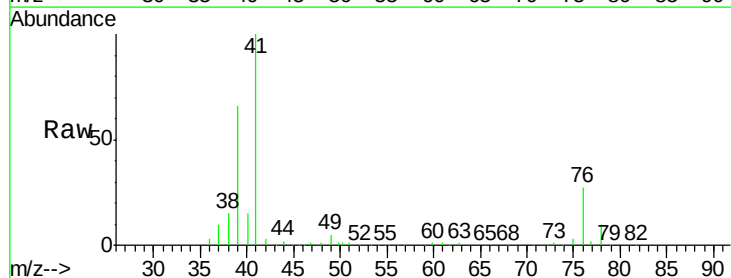
Tgt Ion: 41 Resp: 54767

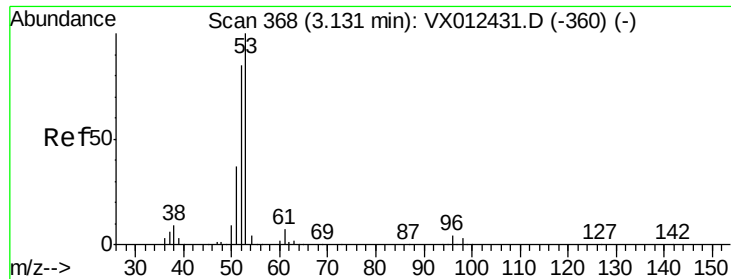
Ion Ratio Lower Upper

41 100

39 65.3 51.3 76.9

76 27.8 22.6 33.8





#15

Acrylonitrile

Concen: 95.494 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012475.D

Acq: 18 Sep 2019 15:47

Instrument :

MSVOA_X

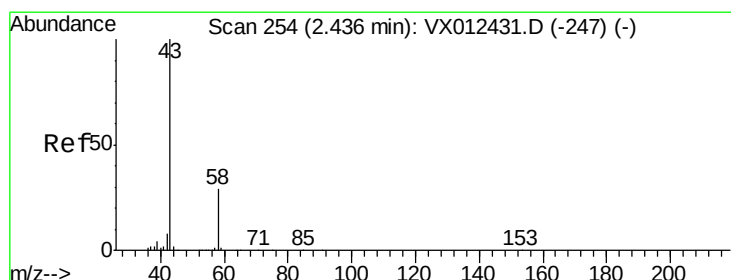
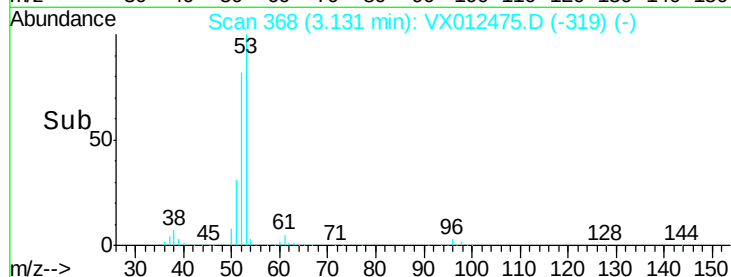
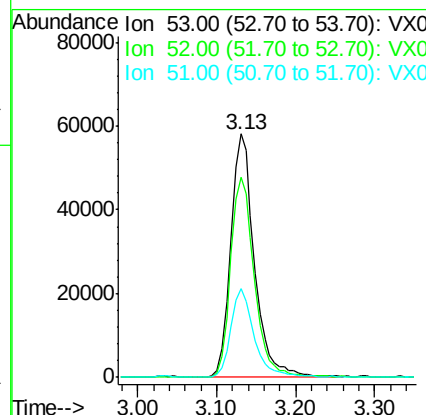
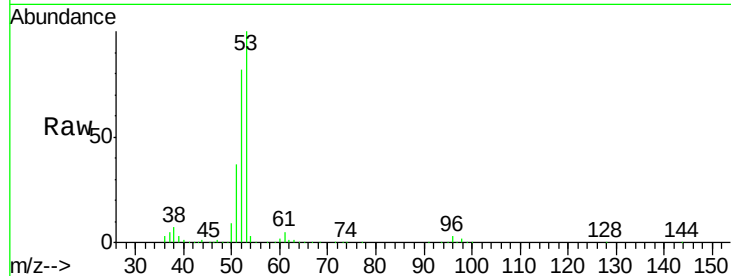
ClientSampleId :

VX0918WBSD01

Tot Ion:	53	Resp:	121184
Ion	Ratio	Lower	Upper
53	100		
52	82.2	67.0	100.4
51	36.1	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 95.530 ug/l

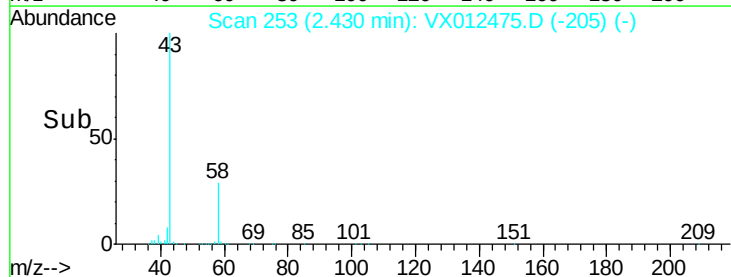
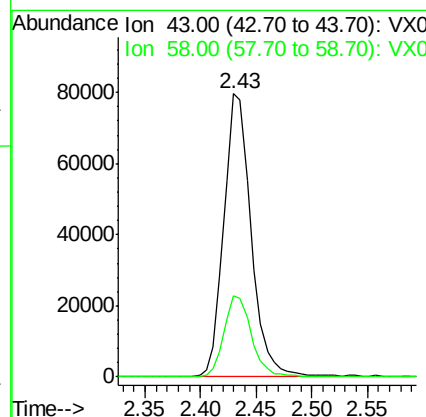
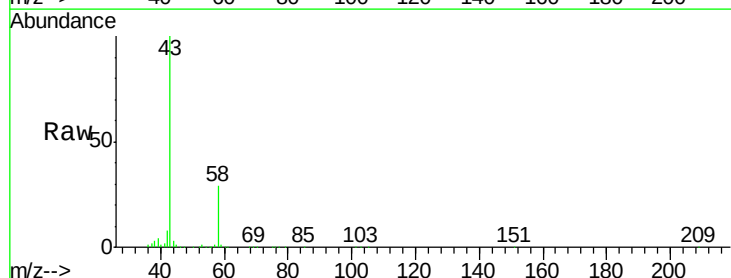
RT: 2.43 min Scan# 253

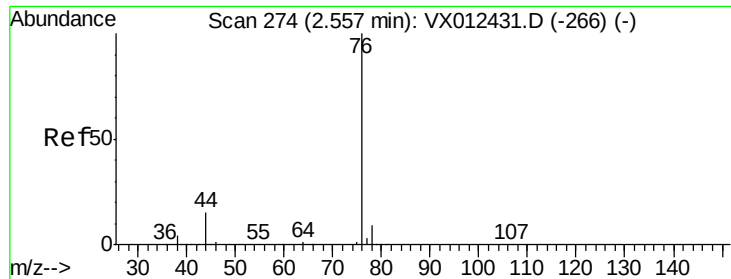
Delta R.T. -0.01 min

Lab File: VX012475.D

Acq: 18 Sep 2019 15:47

Tgt Ion:	43	Resp:	134410
Ion	Ratio	Lower	Upper
43	100		
58	28.9	23.3	34.9





#17

Carbon Disulfide

Concen: 17.459 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012475.D

Acq: 18 Sep 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tot Ion: 76 Resp: 29503

Ion Ratio Lower Upper

76 100

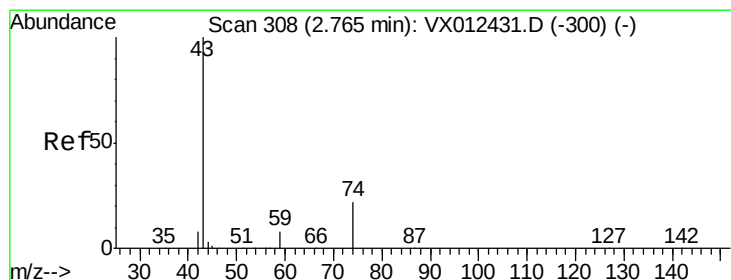
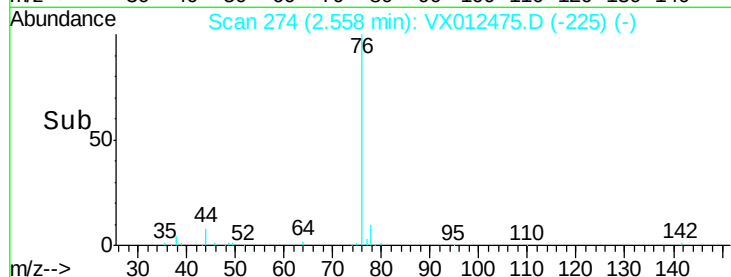
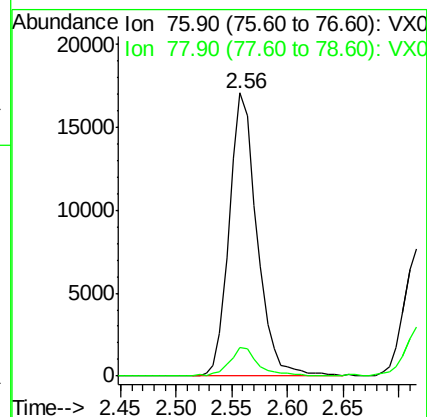
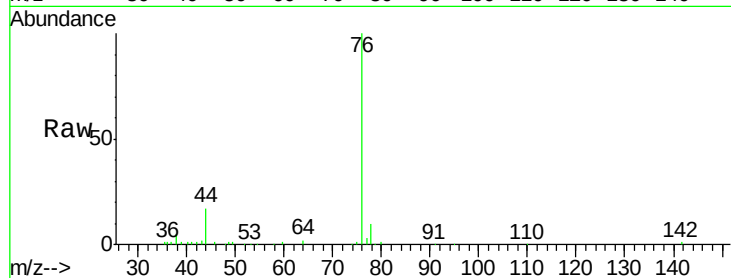
78 10.0 7.3 10.9

Manual Integrations

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#18

Methyl Acetate

Concen: 18.608 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX012475.D

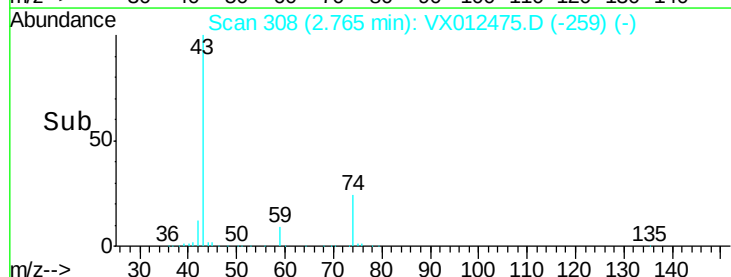
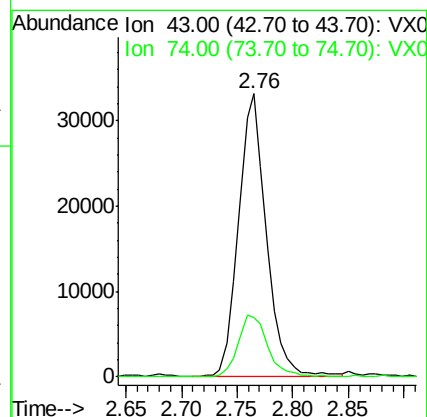
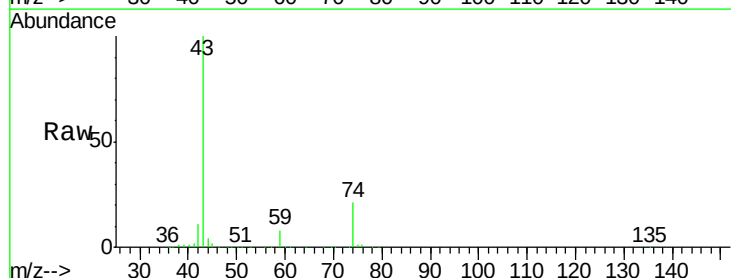
Acq: 18 Sep 2019 15:47

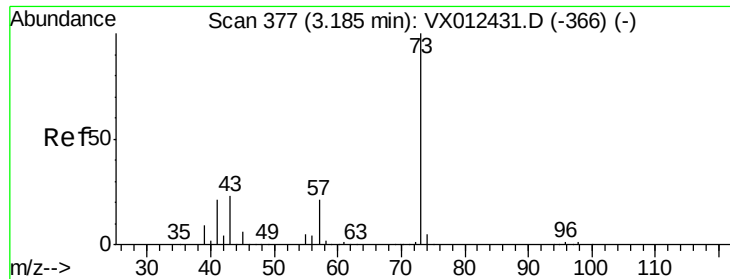
Tgt Ion: 43 Resp: 56784

Ion Ratio Lower Upper

43 100

74 23.7 17.7 26.5





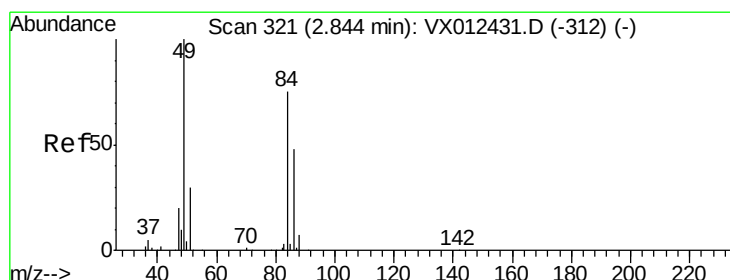
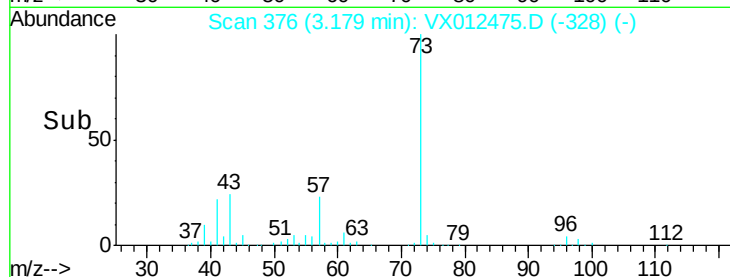
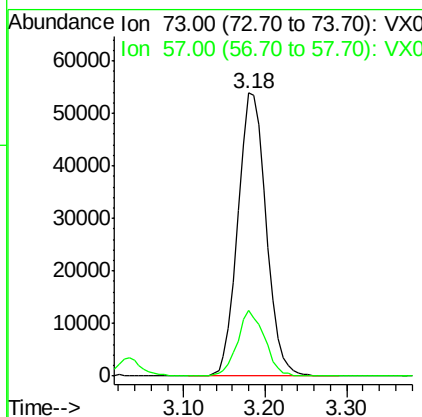
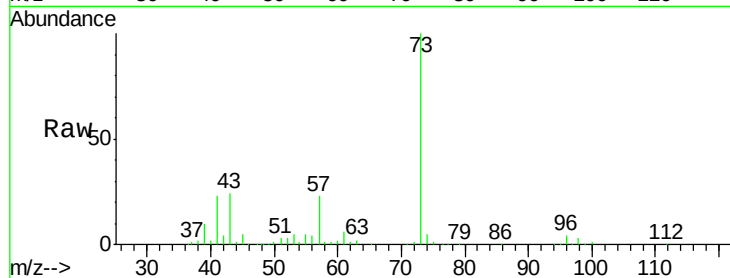
#19
Methyl tert-butyl Ether
Concen: 18.471 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX012475.D
Acq: 18 Sep 2019 15:47

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tot Ion: 73 Resp: 129379
Ion Ratio Lower Upper
73 100
57 23.4 16.8 25.2

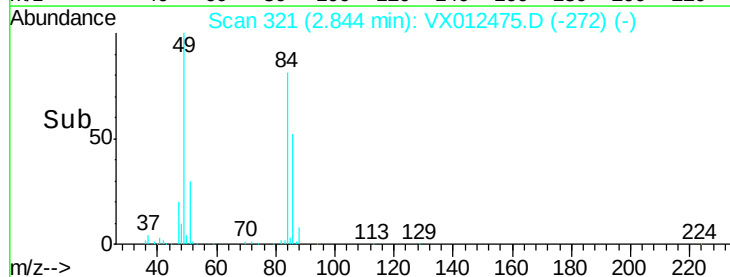
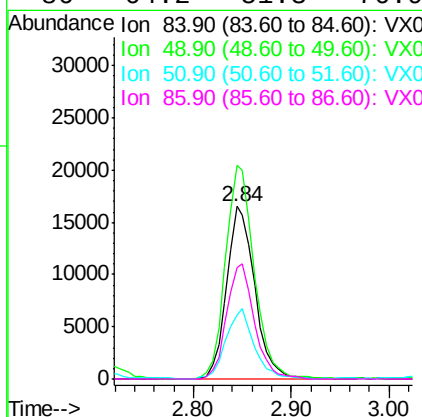
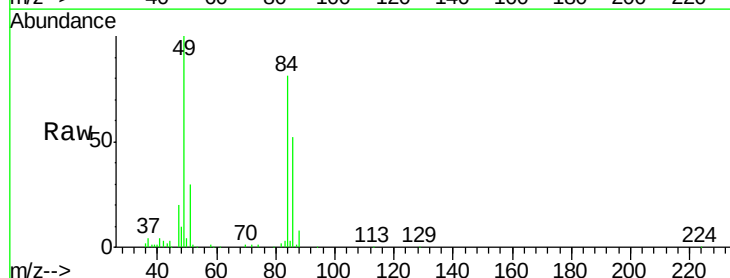
Manual Integrations
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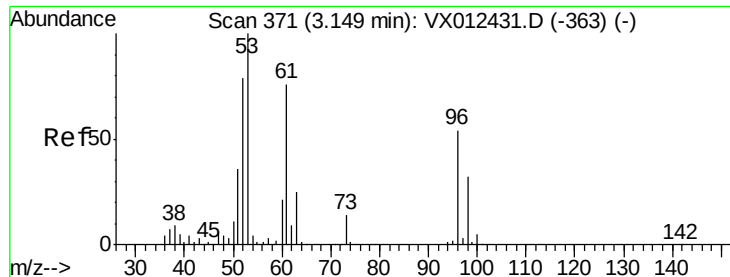
MMDadoda
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#20
Methylene Chloride
Concen: 18.621 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012475.D
Acq: 18 Sep 2019 15:47

Tgt Ion: 84 Resp: 33002
Ion Ratio Lower Upper
84 100
49 123.6 106.8 160.2
51 37.3 32.3 48.5
86 64.2 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 19.078 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012475.D

Acq: 18 Sep 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tot Ion: 96 Resp: 25451

Ion Ratio Lower Upper

96 100

61 147.4 112.0 168.0

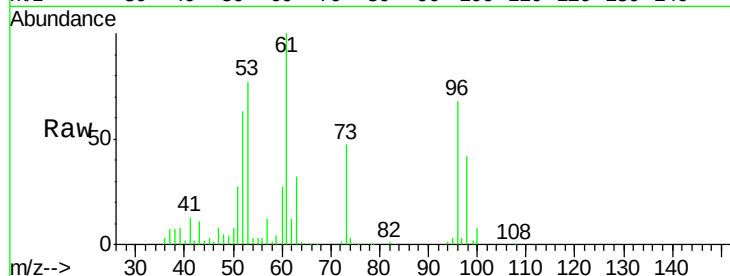
98 61.6 47.8 71.8

Manual Integrations

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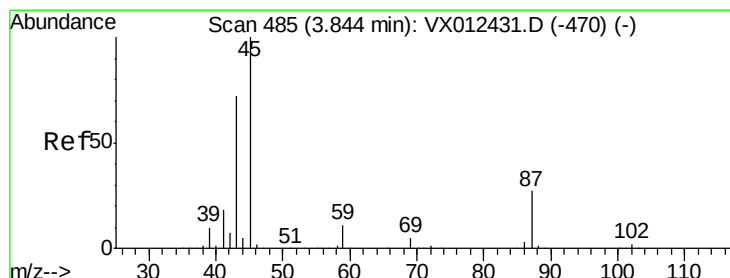
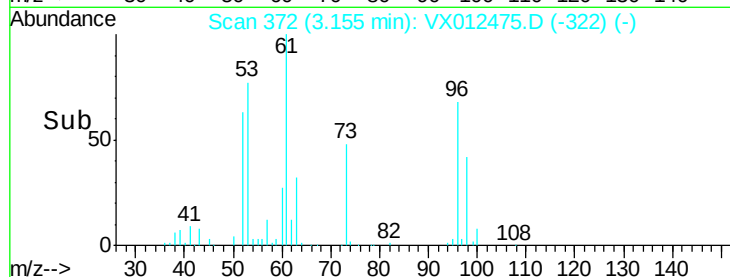
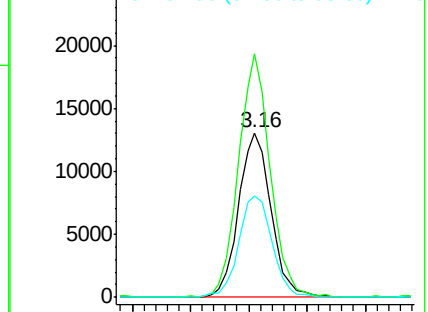


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 18.401 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX012475.D

Acq: 18 Sep 2019 15:47

Tgt Ion: 45 Resp: 128859

Ion Ratio Lower Upper

45 100

43 76.1 57.8 86.8

87 26.5 21.3 31.9

59 11.4 8.5 12.7

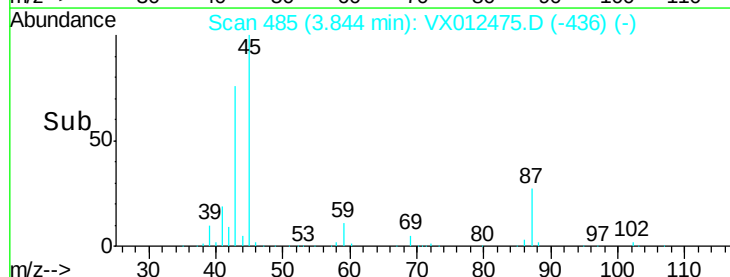
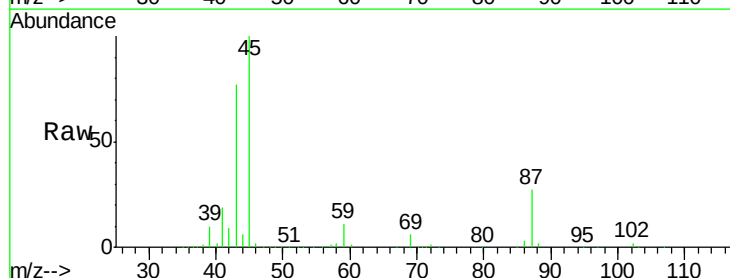
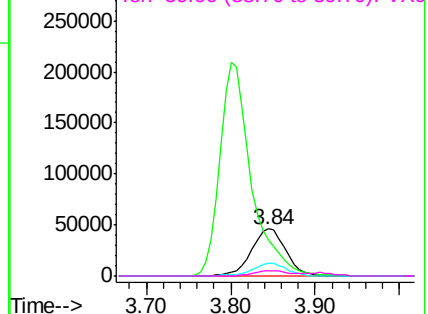
Abundance

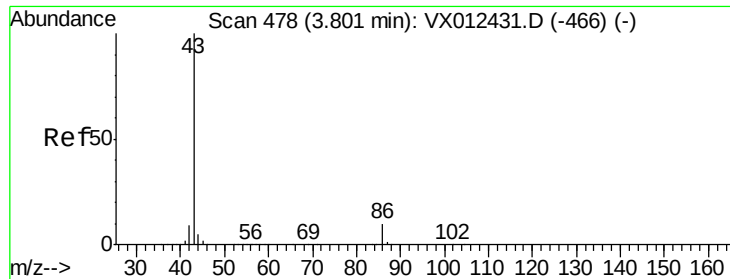
Ion 45.00 (44.70 to 45.70): VX0

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: 94.074 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012475.D

Acq: 18 Sep 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tot Ion: 43 Resp: 541920

Ion Ratio Lower Upper

43 100

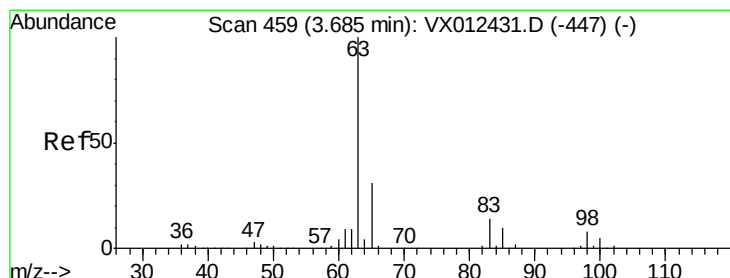
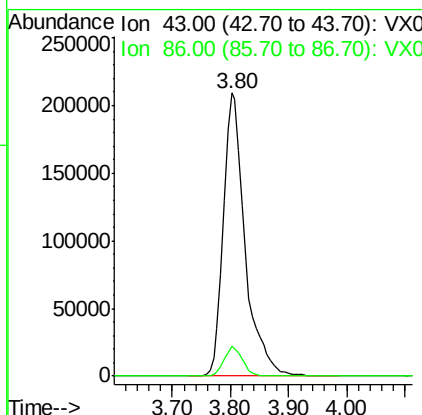
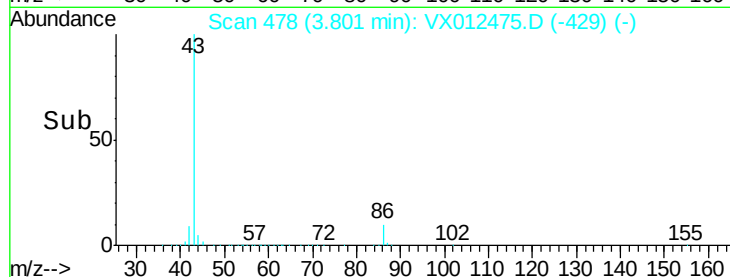
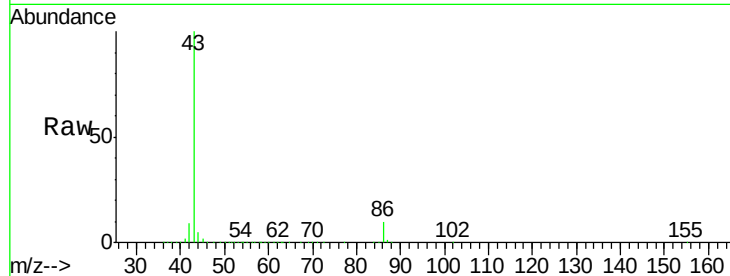
86 10.4 7.8 11.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 18.663 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012475.D

Acq: 18 Sep 2019 15:47

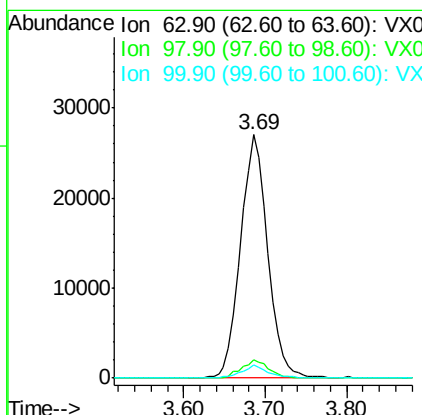
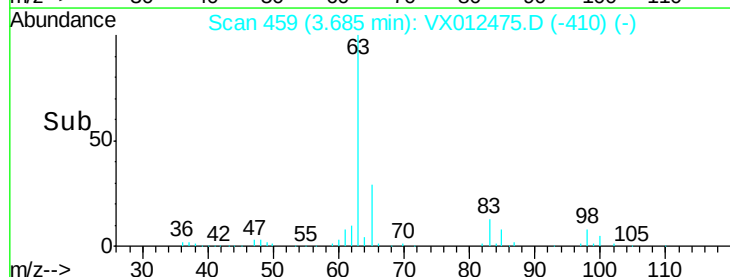
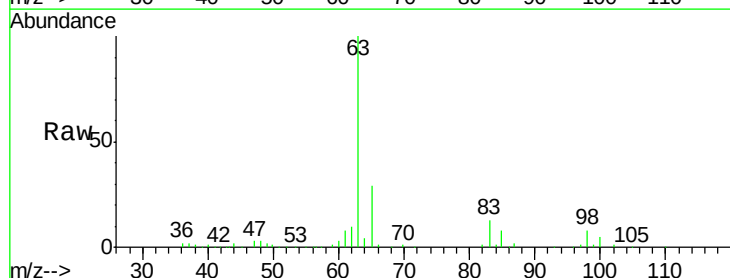
Tgt Ion: 63 Resp: 62533

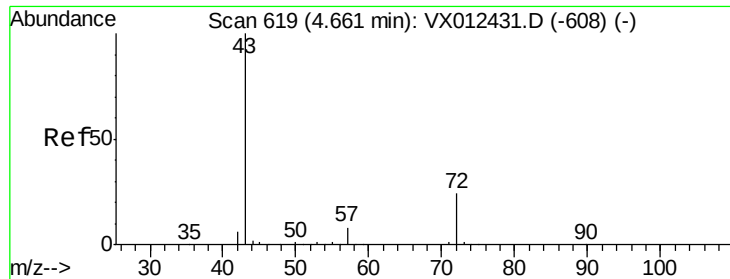
Ion Ratio Lower Upper

63 100

98 7.6 3.9 11.7

100 5.4 2.3 6.9





#25

2-Butanone

Concen: 92.281 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX012475.D

Acq: 18 Sep 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tot Ion: 43 Resp: 187459

Ion Ratio Lower Upper

43 100

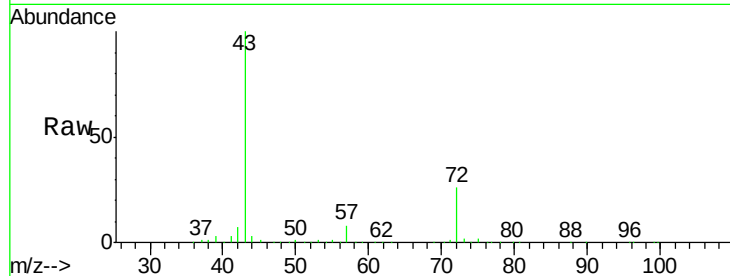
72 25.4 19.2 28.8

Manual Integrations

APPROVED

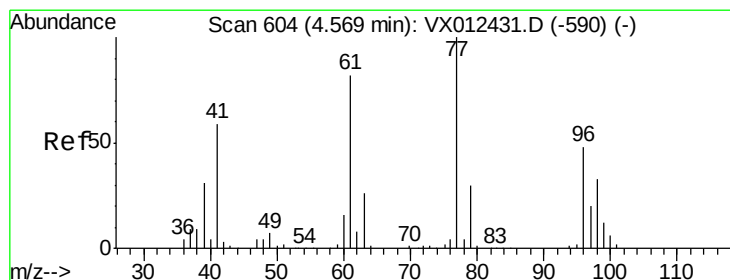
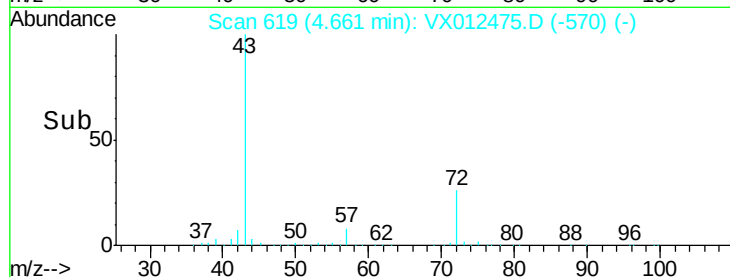
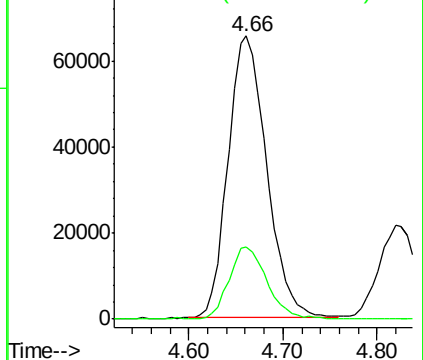
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 18.648 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX012475.D

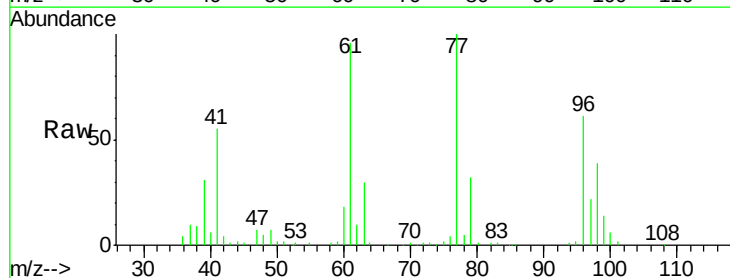
Acq: 18 Sep 2019 15:47

Tgt Ion: 77 Resp: 61448

Ion Ratio Lower Upper

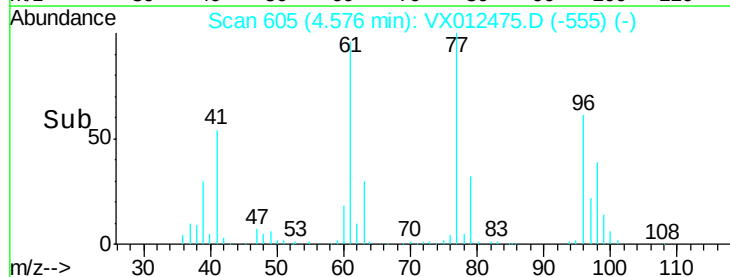
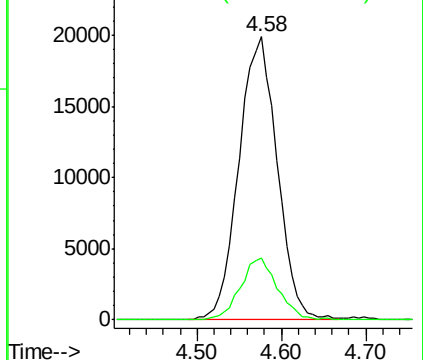
77 100

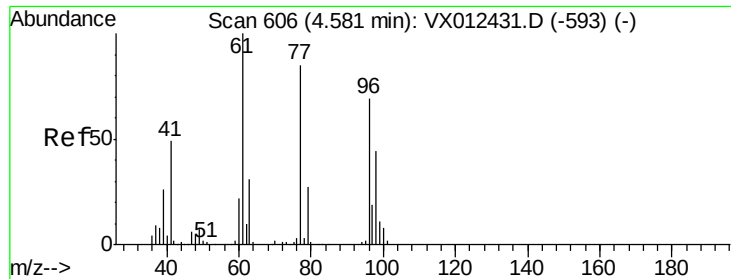
97 21.2 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

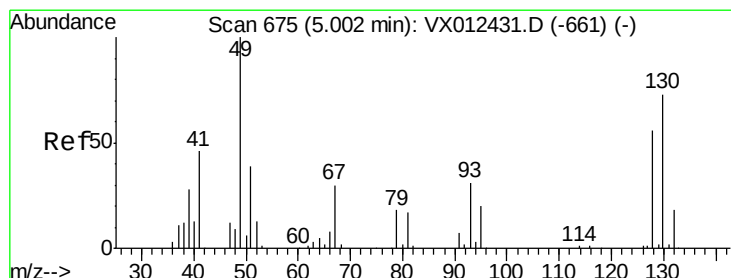
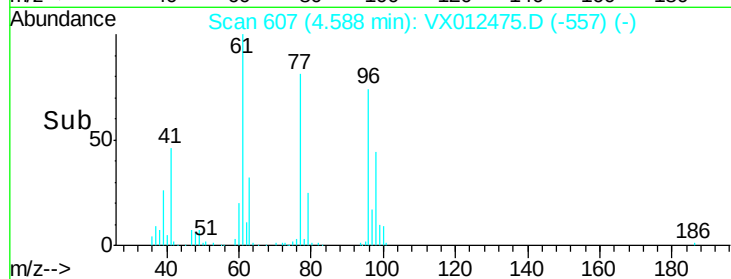
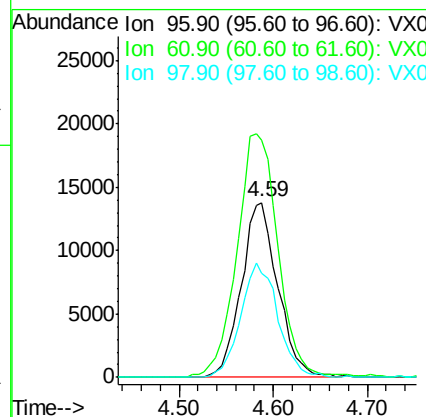
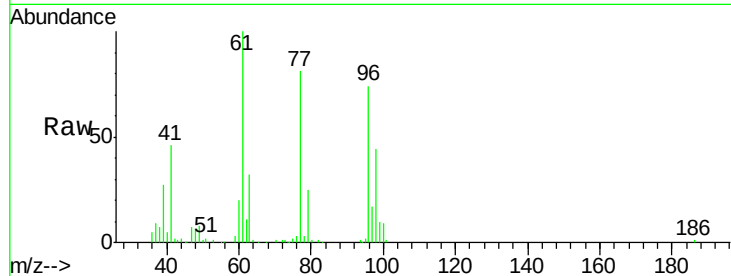
cis-1,2-Dichloroethene
Concen: 18.708 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX012475.D
Acq: 18 Sep 2019 15:47

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	156.0	0.0	319.4	
98	66.7	0.0	130.6	

Manual Integrations
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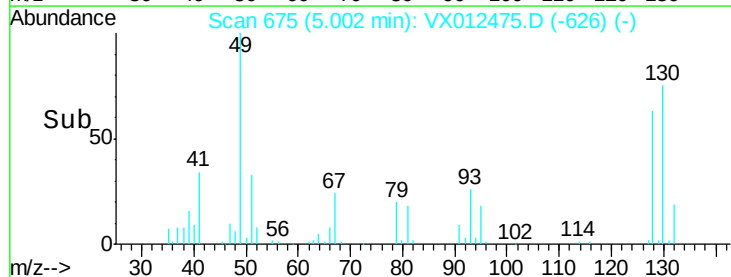
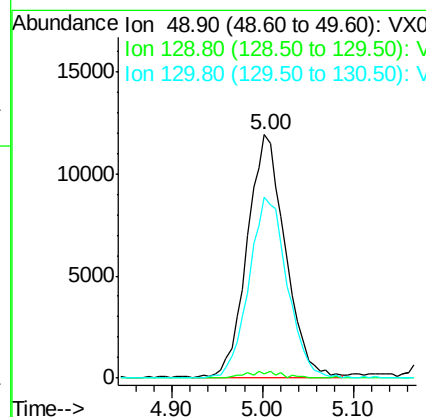
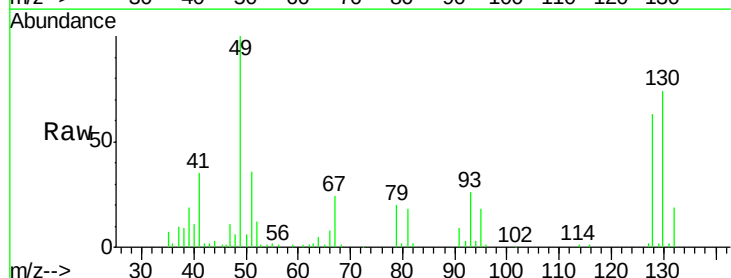
MMDadoda
9/19/2019 1:04:35 PM

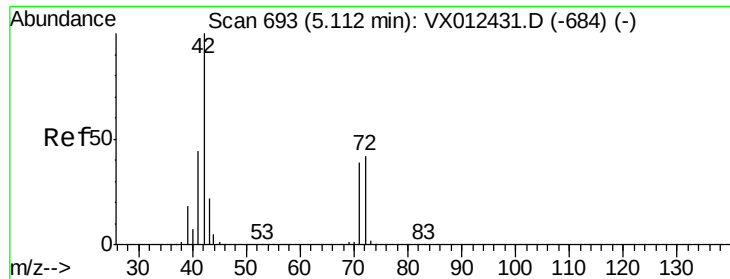


#28

Bromochloromethane
Concen: 20.138 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX012475.D
Acq: 18 Sep 2019 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.4	0.0	3.8	
130	74.6	58.2	87.4	





#29

Tetrahydrofuran

Concen: 96.855 ug/l

RT: 5.11 min Scan# 693

Delta R.T. 0.00 min

Lab File: VX012475.D

Acq: 18 Sep 2019 15:47

Instrument :

MSVOA_X

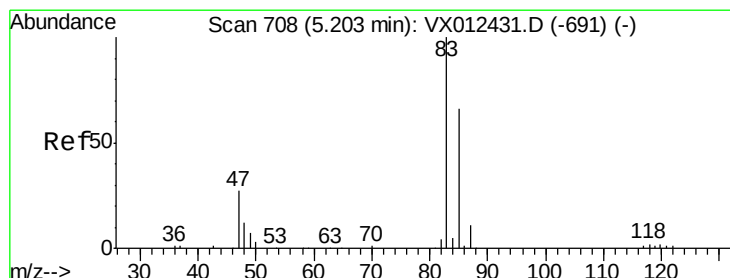
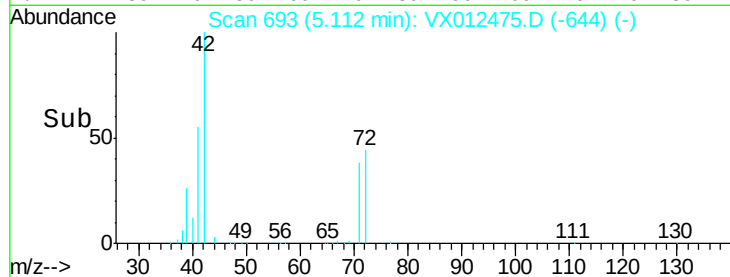
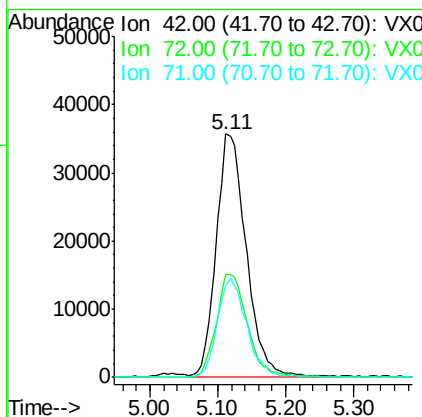
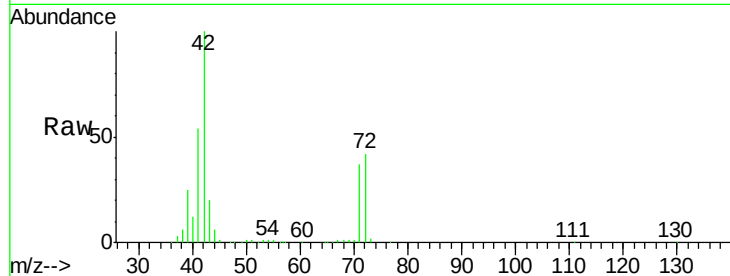
ClientSampleId :

VX0918WBSD01

Tot Ion:	42	Resp:	108692
Ion Ratio	Lower	Upper	
42	100		
72	44.2	34.0	51.0
71	39.7	31.5	47.3

Manual Integrations
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#30

Chloroform

Concen: 18.465 ug/l

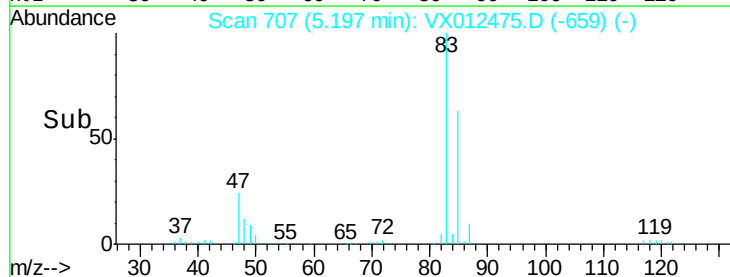
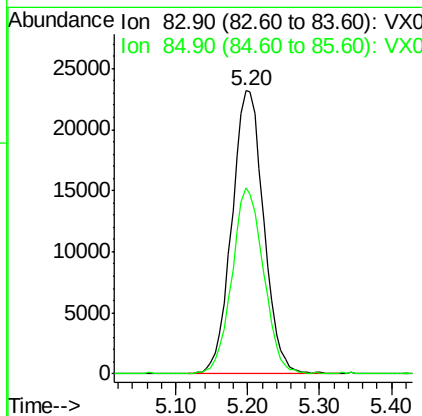
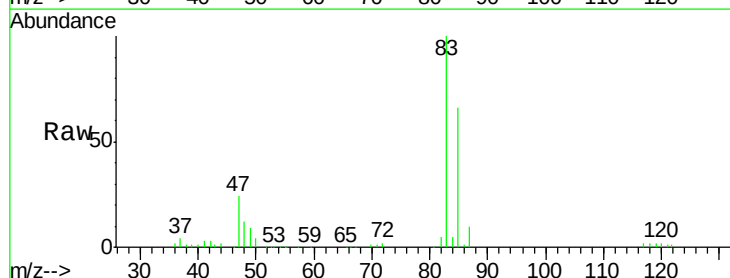
RT: 5.20 min Scan# 707

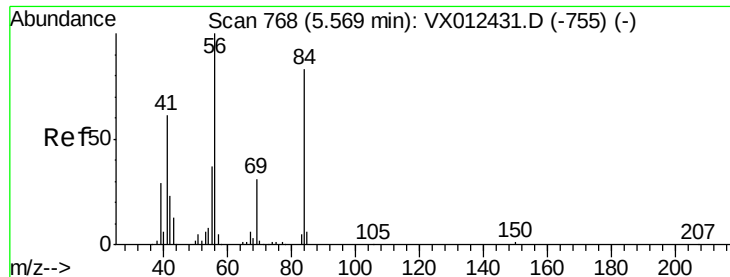
Delta R.T. -0.01 min

Lab File: VX012475.D

Acq: 18 Sep 2019 15:47

Tgt Ion:	83	Resp:	71054
Ion Ratio	Lower	Upper	
83	100		
85	65.9	53.0	79.4





#31

Cyclohexane

Concen: 19.018 ug/l

RT: 5.58 min Scan# 769

Delta R.T. 0.01 min

Lab File: VX012475.D

Acq: 18 Sep 2019 15:47

Instrument :

MSVOA_X

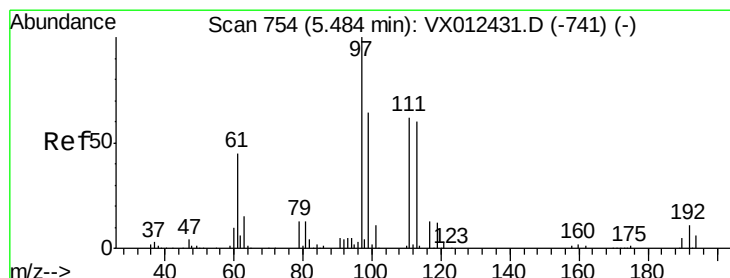
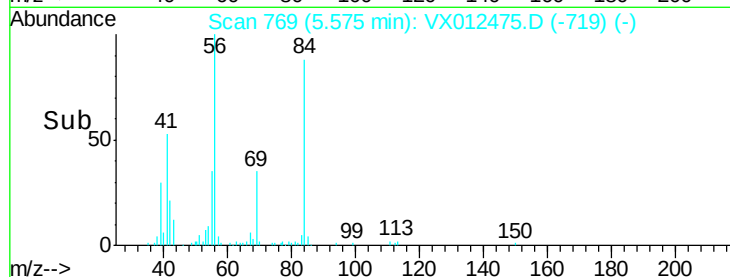
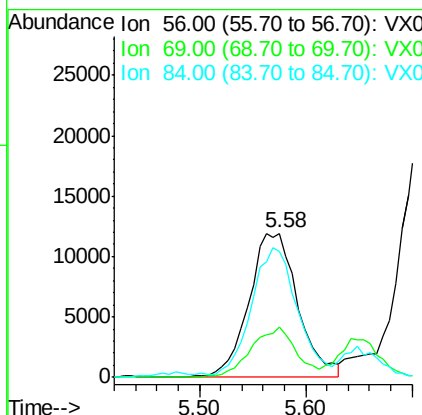
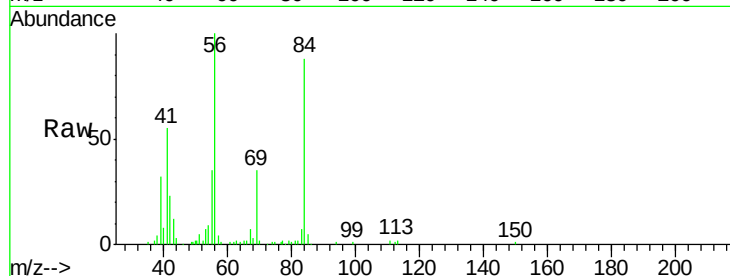
ClientSampleId :

VX0918WBSD01

Tot Ion:	56	Resp:	38465
Ion Ratio	Lower	Upper	
56	100		
69	34.5	25.0	37.6
84	85.6	66.4	99.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.670 ug/l

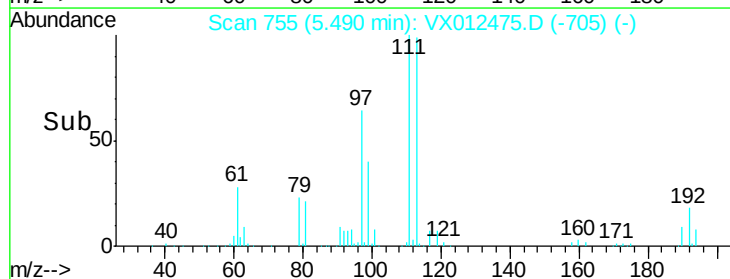
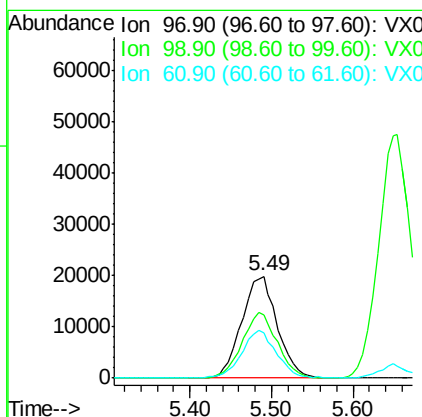
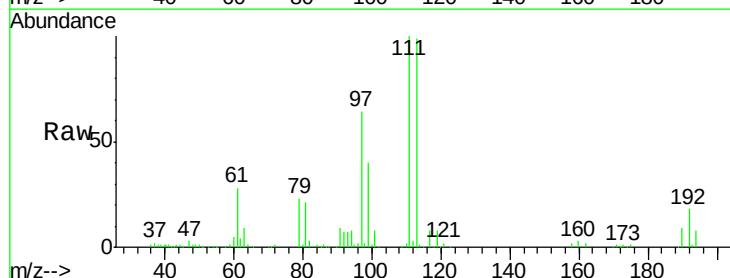
RT: 5.49 min Scan# 755

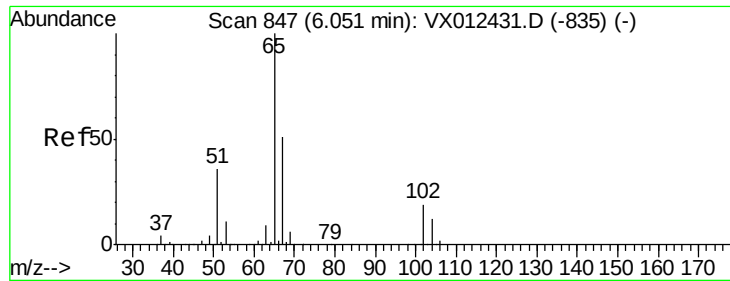
Delta R.T. 0.01 min

Lab File: VX012475.D

Acq: 18 Sep 2019 15:47

Tgt Ion:	97	Resp:	60047
Ion Ratio	Lower	Upper	
97	100		
99	64.1	51.3	76.9
61	45.3	36.1	54.1





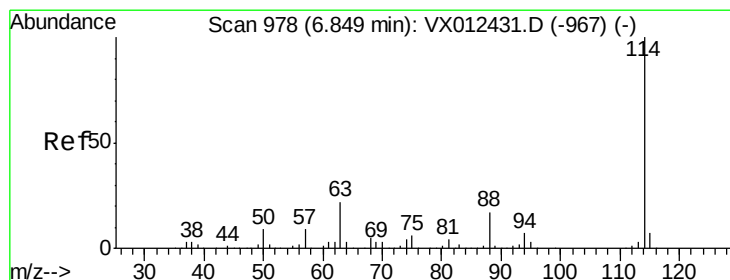
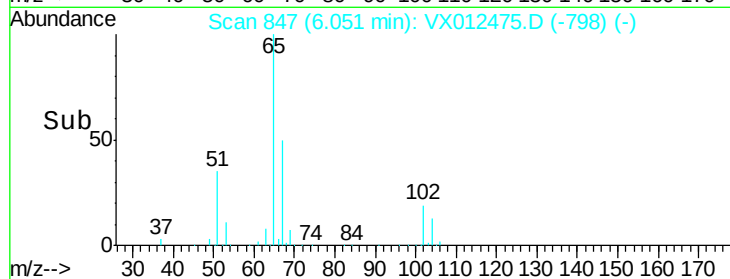
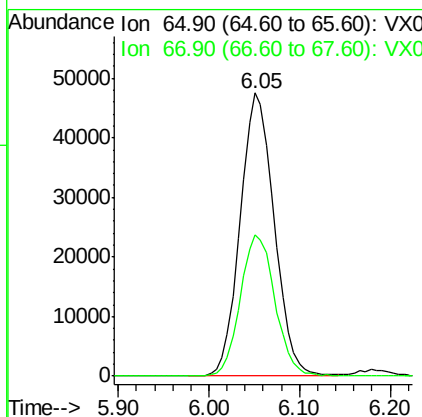
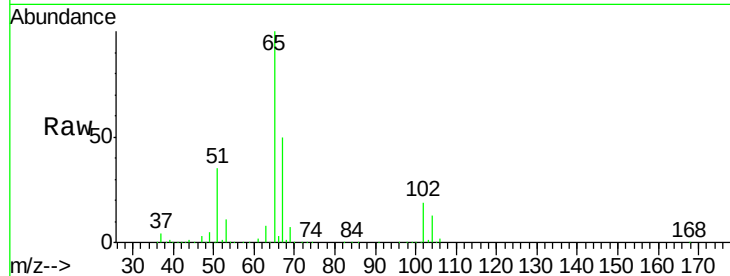
#33
 1,2-Dichloroethane-d4
 Concen: 42.219 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012475.D
 Acq: 18 Sep 2019 15:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	123637		
67	50.8	0.0	101.2	

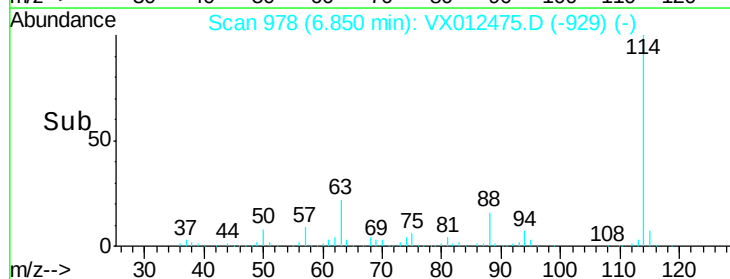
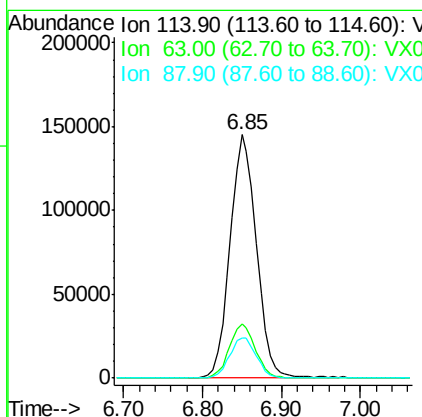
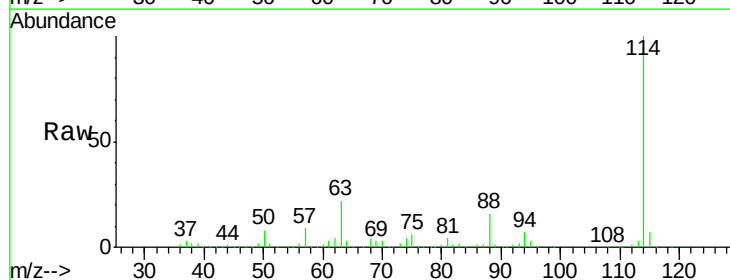
Manual Integrations
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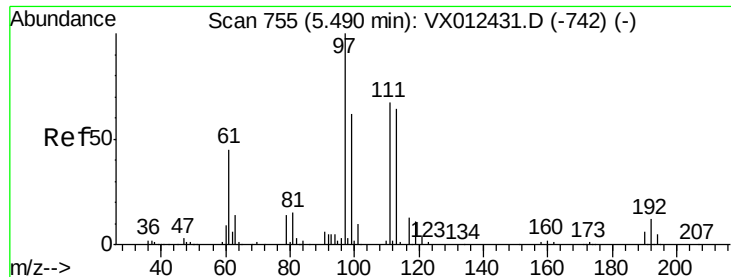
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012475.D
 Acq: 18 Sep 2019 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	338509		
63	22.4	0.0	43.2	
88	16.4	0.0	33.2	





#35

Dibromofluoromethane

Concen: 43.521 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012475.D

Acq: 18 Sep 2019 15:47

Instrument :

MSVOA_X

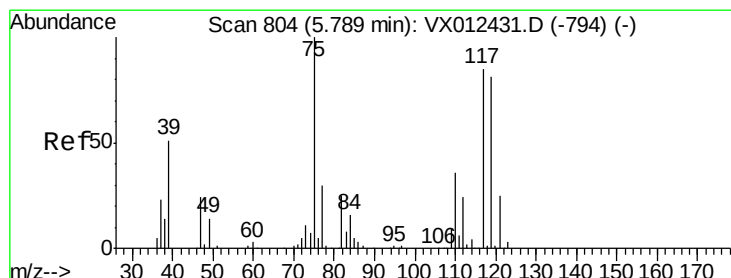
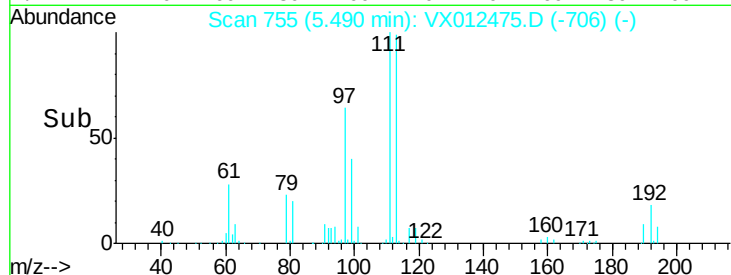
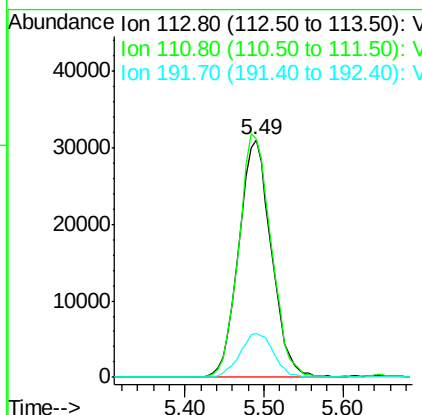
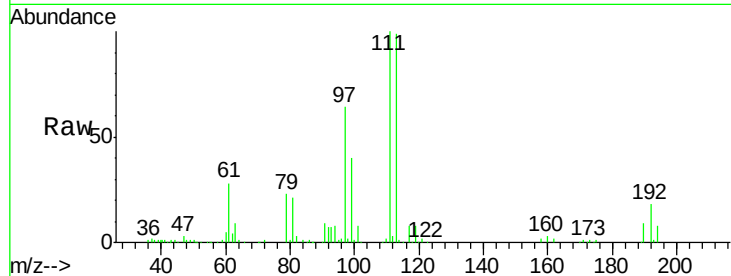
ClientSampleId :

VX0918WBSD01

Tot Ion:	113	Resp:	89169
Ion	Ratio	Lower	Upper
113	100		
111	102.4	83.4	125.2
192	19.2	14.4	21.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.835 ug/l

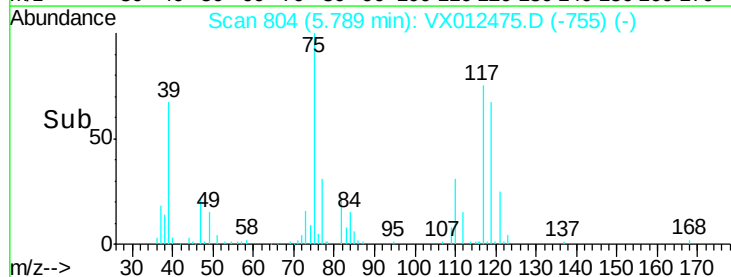
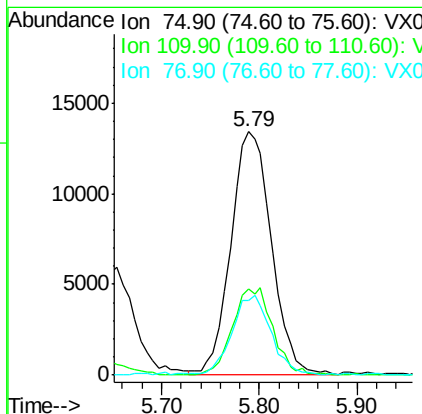
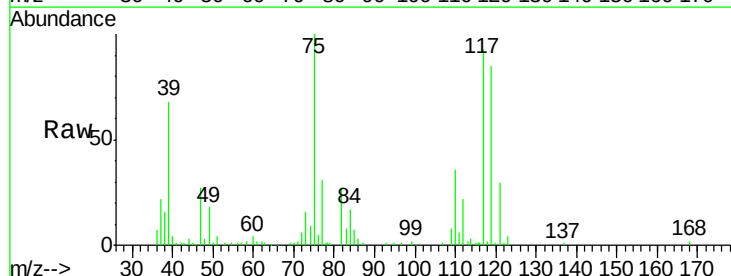
RT: 5.79 min Scan# 804

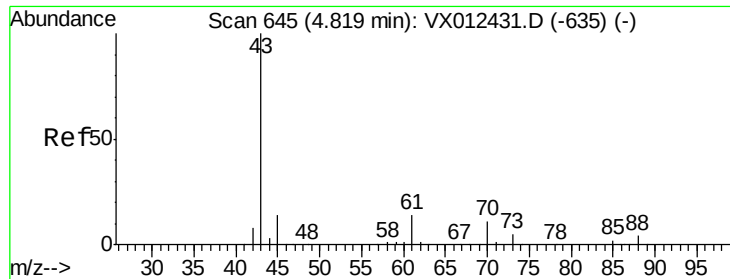
Delta R.T. 0.00 min

Lab File: VX012475.D

Acq: 18 Sep 2019 15:47

Tgt Ion:	75	Resp:	38749
Ion	Ratio	Lower	Upper
75	100		
110	35.3	16.7	50.0
77	31.7	24.2	36.2





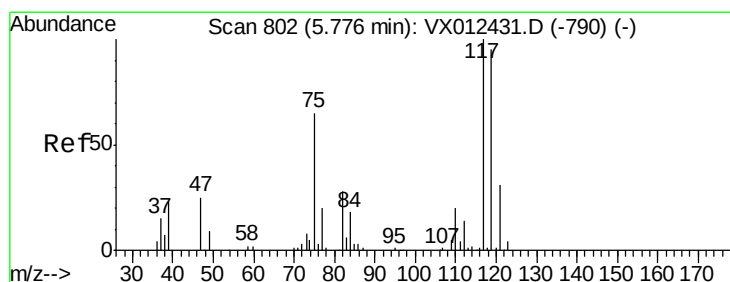
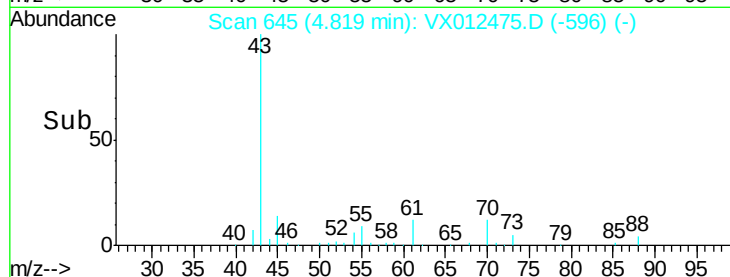
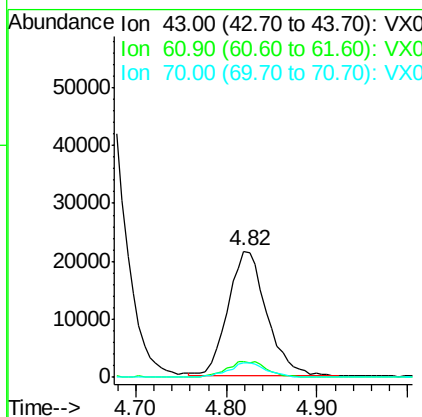
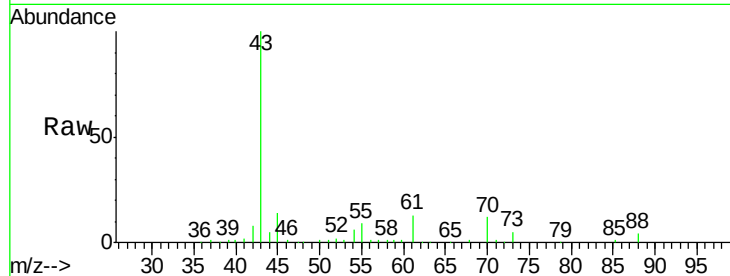
#37
Ethyl Acetate
Concen: 20.155 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX012475.D
Acq: 18 Sep 2019 15:47

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.2	15.4
70	11.5	8.7	13.1

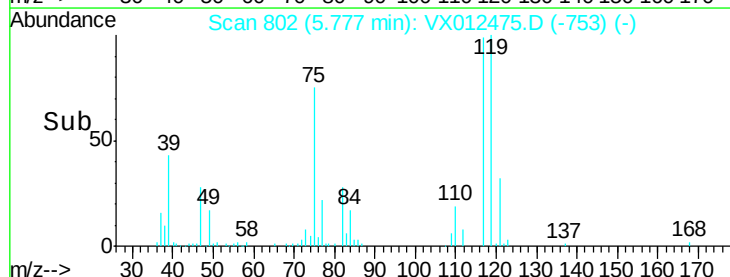
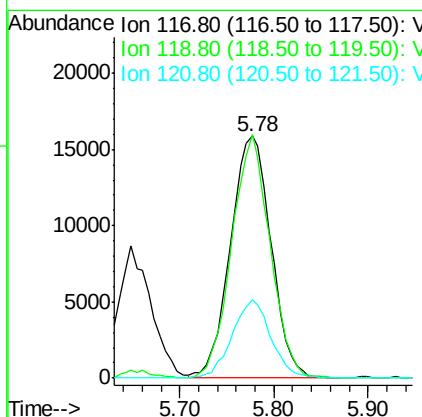
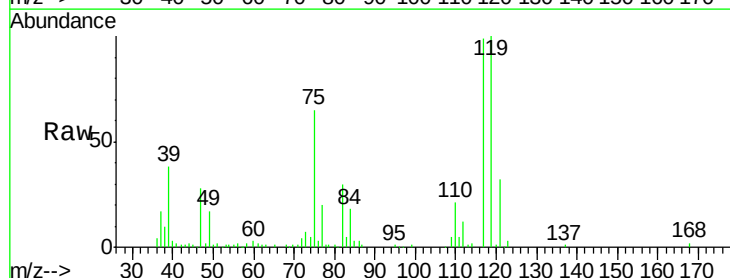
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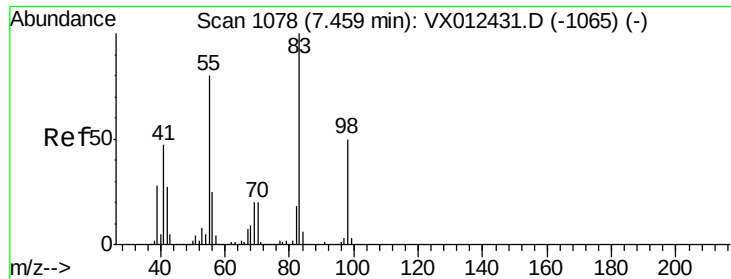
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.687 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX012475.D
Acq: 18 Sep 2019 15:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.7	75.7	113.5
121	32.7	24.2	36.4





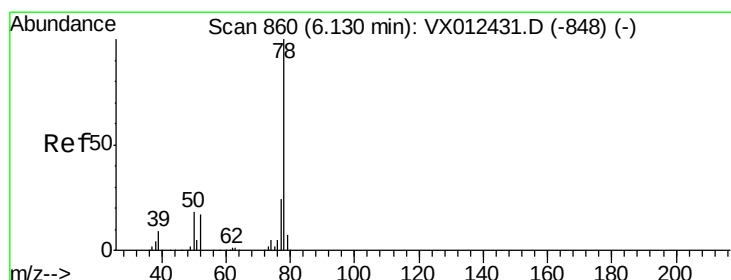
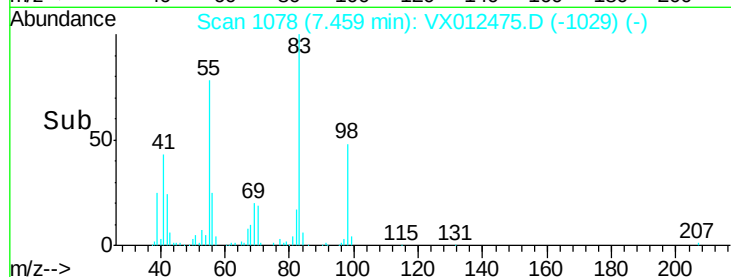
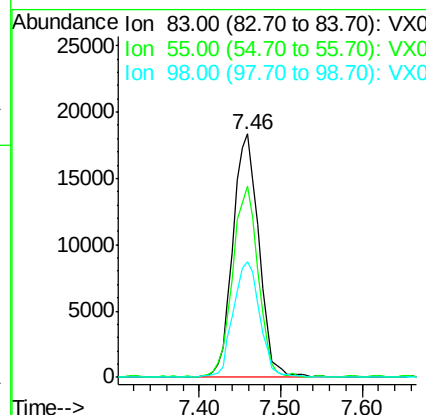
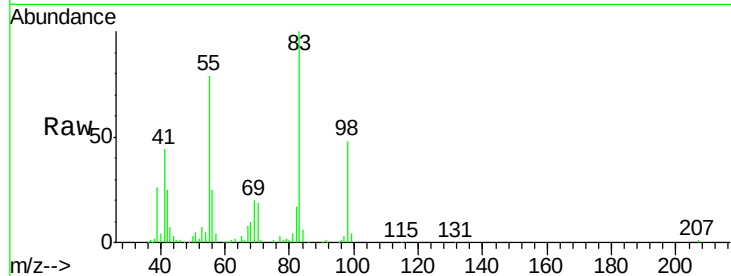
#39
Methylvlcyclohexane
Concen: 20.128 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX012475.D
Acq: 18 Sep 2019 15:47

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	78.5	64.4	96.6	
98	47.7	40.1	60.1	

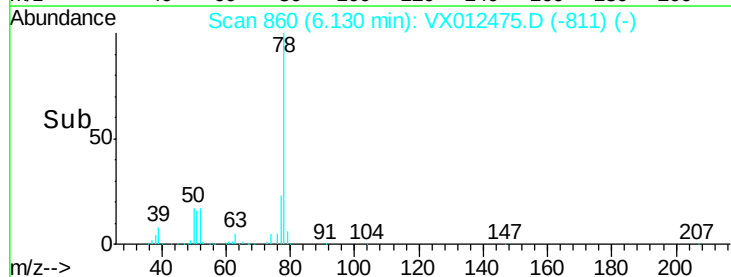
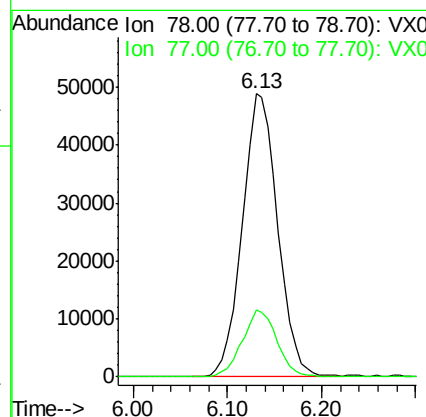
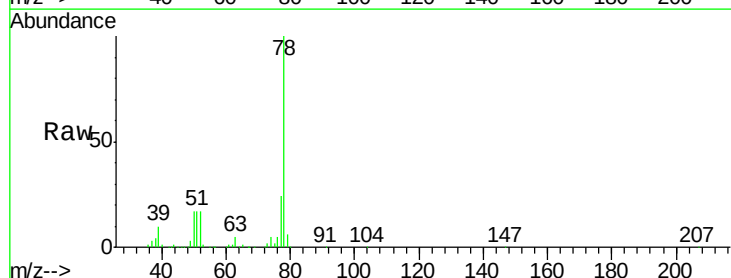
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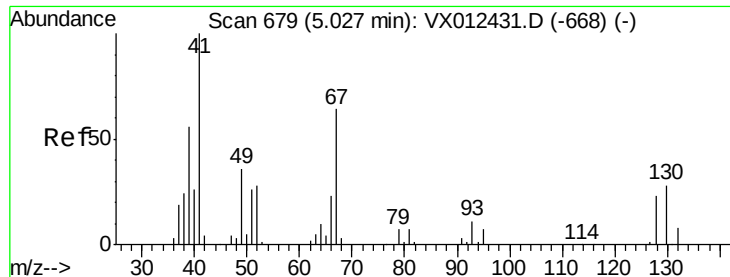
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#40
Benzene
Concen: 19.596 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX012475.D
Acq: 18 Sep 2019 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.6	19.2	28.8	





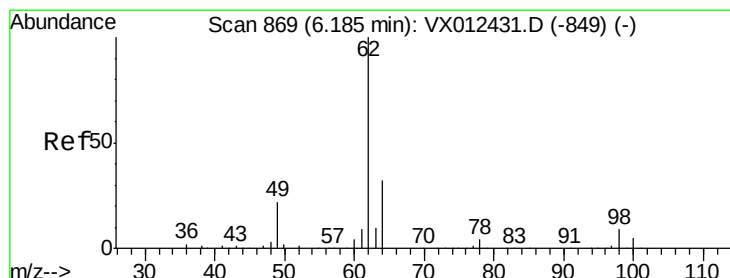
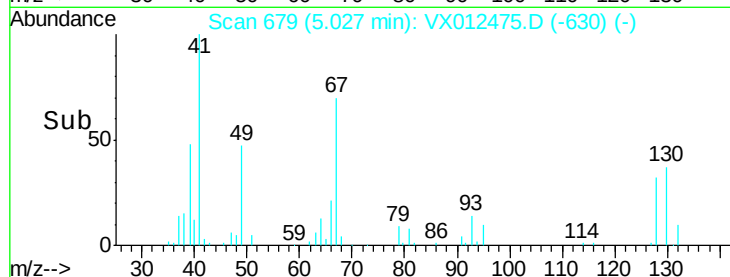
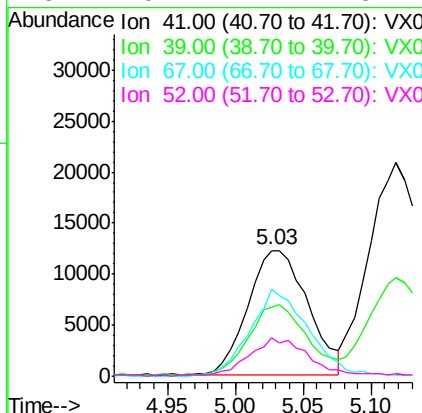
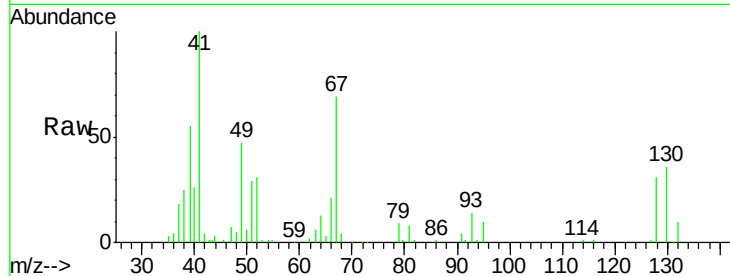
#41
Methacrylonitrile
Concen: 18.623 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX012475.D
Acq: 18 Sep 2019 15:47

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	41.00 (40.70 to 41.70): VX0	100		
39	39.00 (38.70 to 39.70): VX0	54.9	46.0	69.0
67	67.00 (66.70 to 67.70): VX0	67.9	52.2	78.2
52	52.00 (51.70 to 52.70): VX0	29.7	22.7	34.1

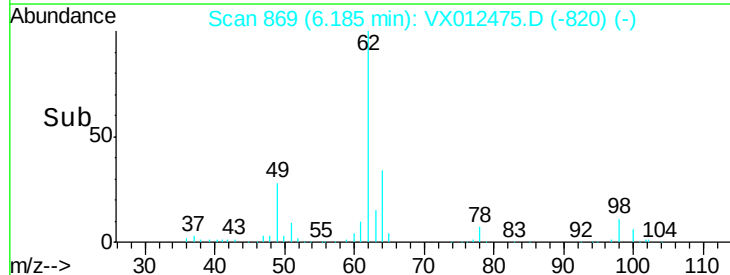
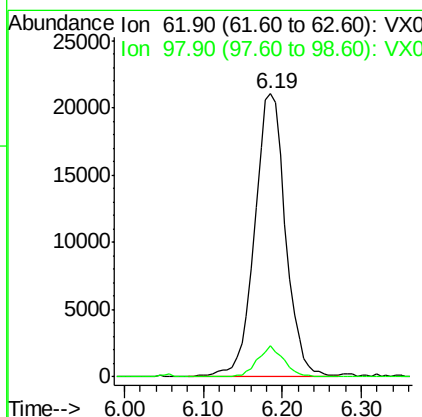
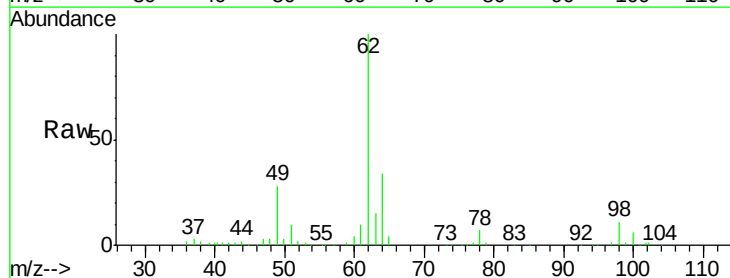
Manual Integrations
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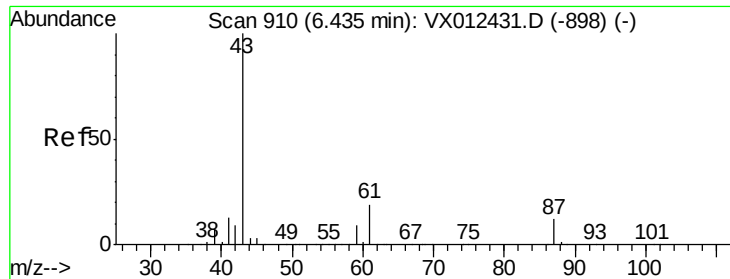
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#42
1,2-Dichloroethane
Concen: 18.949 ug/l
RT: 6.19 min Scan# 869
Delta R.T. 0.00 min
Lab File: VX012475.D
Acq: 18 Sep 2019 15:47

Tgt Ion	Ion	Ratio	Lower	Upper
62	61.90 (61.60 to 62.60): VX0	100		
98	97.90 (97.60 to 98.60): VX0	9.4	0.0	17.8





#43

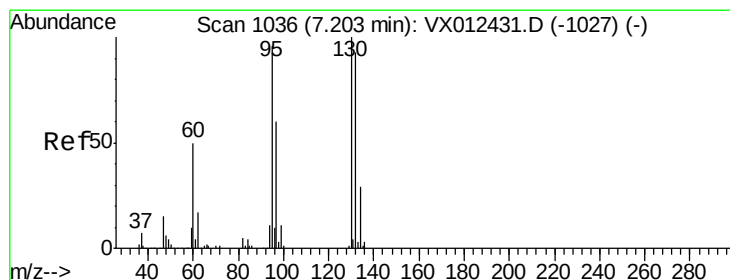
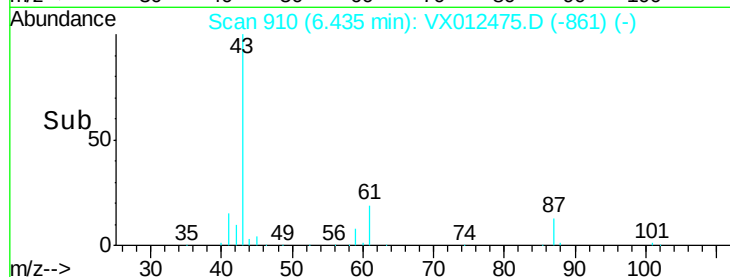
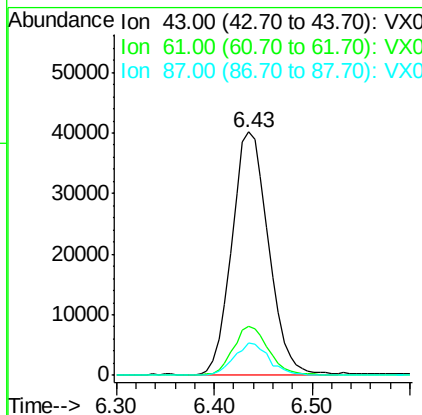
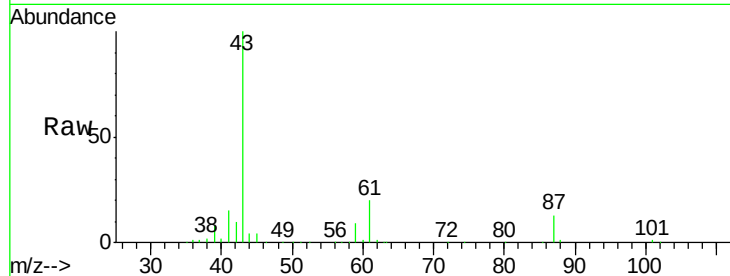
Isopropyl Acetate
 Concen: 18.335 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX012475.D
 Acq: 18 Sep 2019 15:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.8	15.4	23.0
87	12.9	9.8	14.8

Manual Integrations
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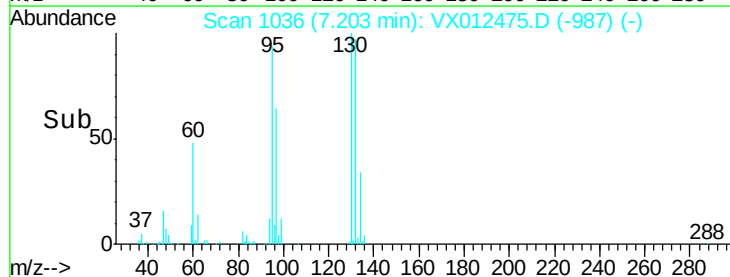
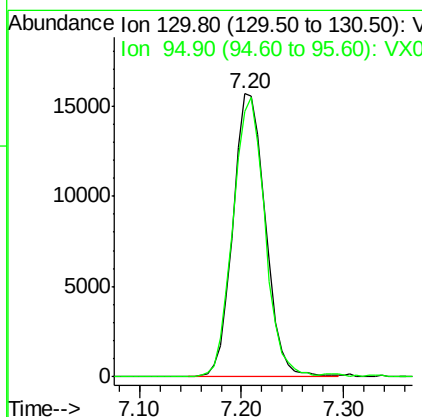
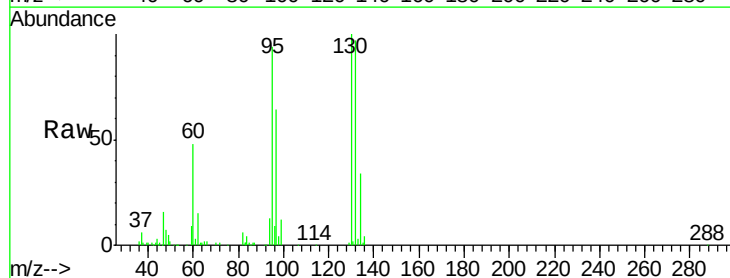
MMDadoda
 9/19/2019 1:04:35 PM

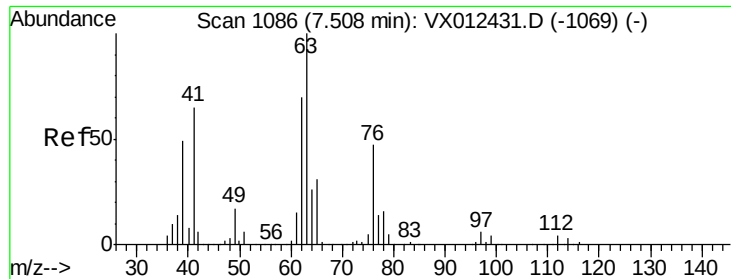


#44

Trichloroethene
 Concen: 20.037 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: VX012475.D
 Acq: 18 Sep 2019 15:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.9	0.0	193.0





#45

1,2-Dichloropropane

Concen: 19.154 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX012475.D

Acq: 18 Sep 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tot Ion: 63 Resp: 38498

Ion Ratio Lower Upper

63 100

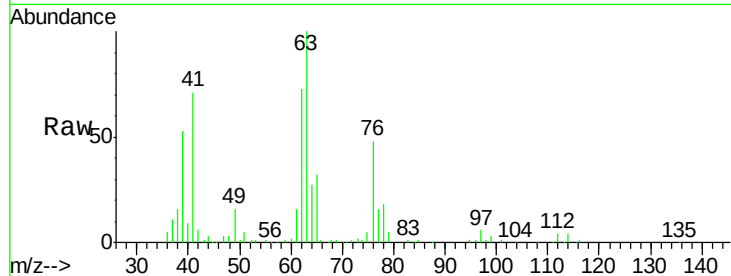
65 32.3 25.0 37.6

Manual Integrations

APPROVED

MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

20000

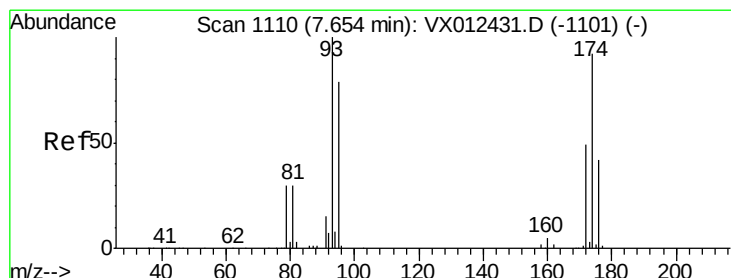
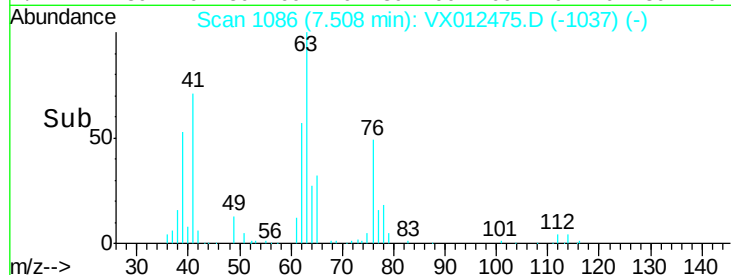
15000

10000

5000

0

Time--> 7.30 7.40 7.50 7.60



#46

Dibromomethane

Concen: 19.038 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX012475.D

Acq: 18 Sep 2019 15:47

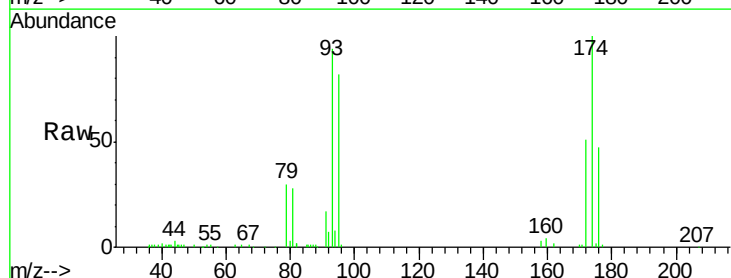
Tgt Ion: 93 Resp: 24762

Ion Ratio Lower Upper

93 100

95 83.4 66.6 100.0

174 95.6 77.4 116.0



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

7.65

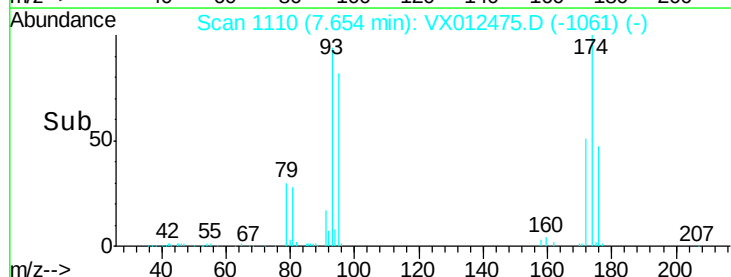
15000

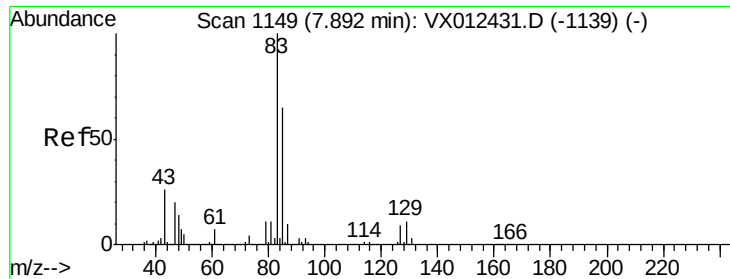
10000

5000

0

Time--> 7.55 7.60 7.65 7.70 7.75





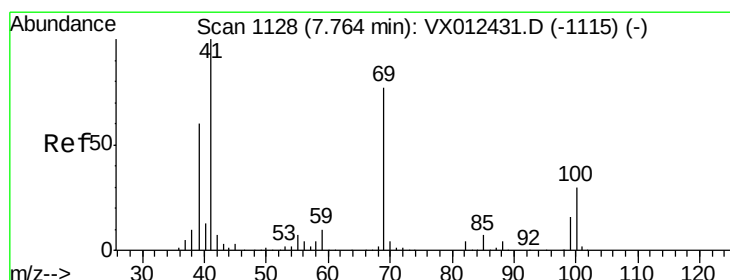
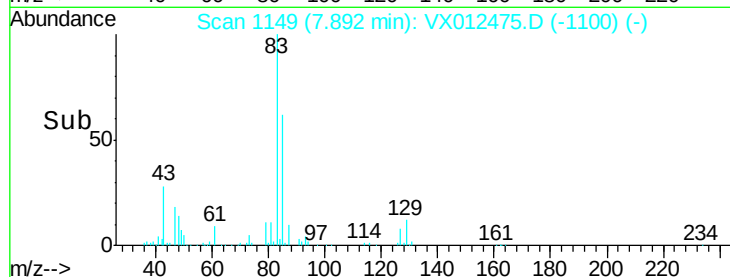
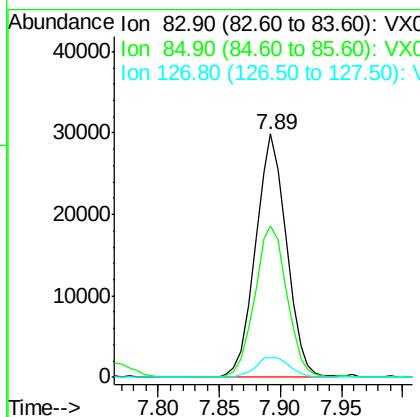
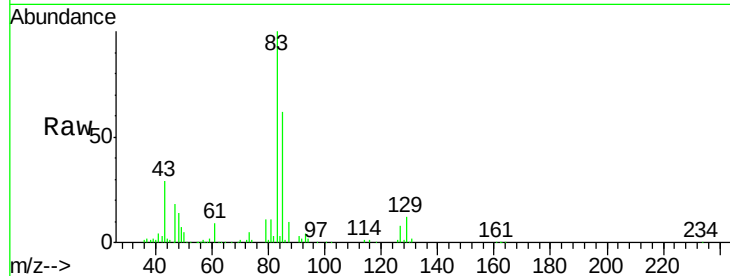
#47
 Bromodichloromethane
 Concen: 18.263 ug/l
 RT: 7.89 min Scan# 1149
 Delta R.T. 0.00 min
 Lab File: VX012475.D
 Acq: 18 Sep 2019 15:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	52890		
85	61.8		51.8	77.6
127	8.3		7.3	10.9

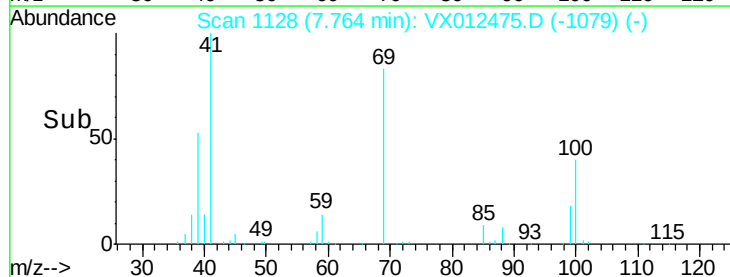
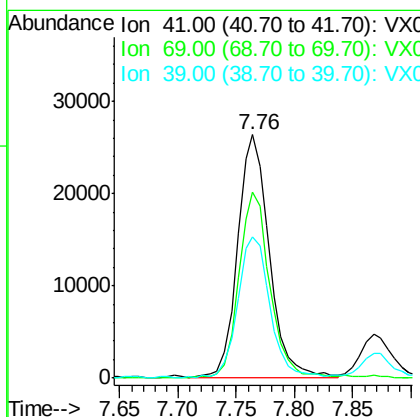
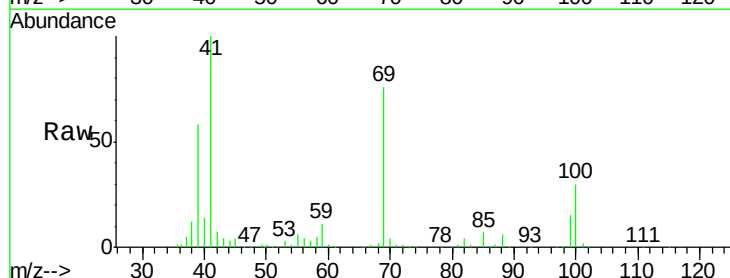
Manual Integrations
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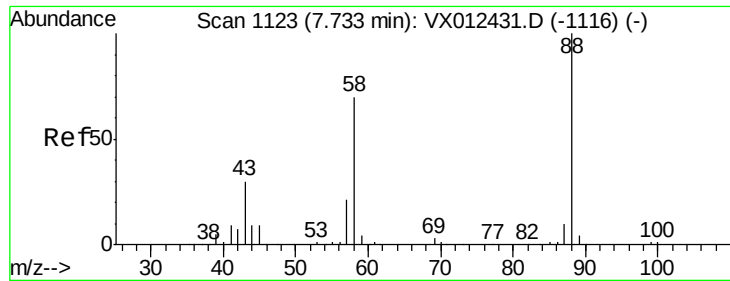
MMDadoda
 9/19/2019 1:04:35 PM



#48
 Methyl methacrylate
 Concen: 18.523 ug/l
 RT: 7.76 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VX012475.D
 Acq: 18 Sep 2019 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	49489		
69	75.8		59.9	89.9
39	58.6		47.8	71.6





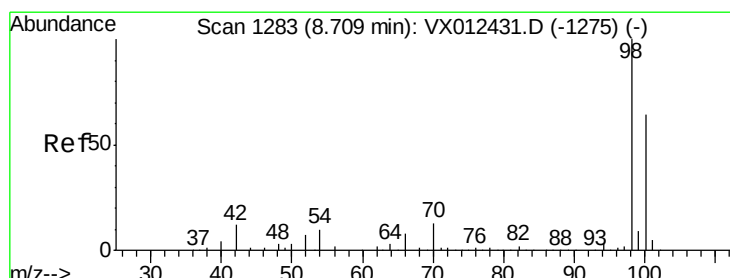
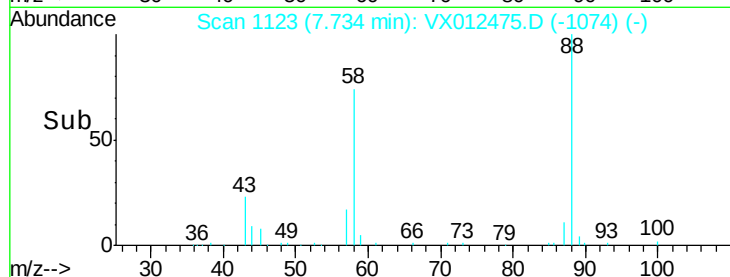
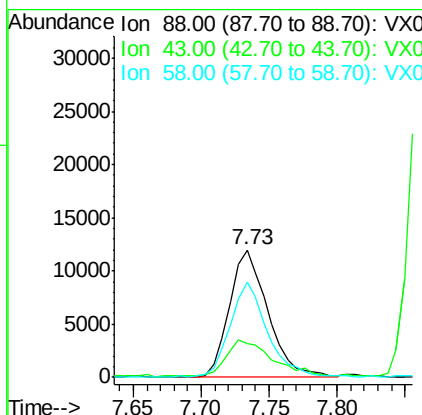
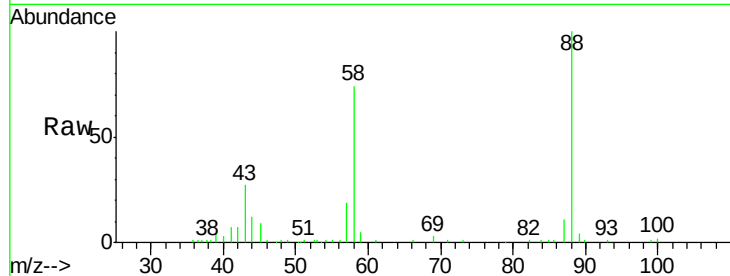
#49
1,4-Dioxane
Concen: 364.771 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX012475.D
Acq: 18 Sep 2019 15:47

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.7	29.4	44.0
58	73.8	57.5	86.3

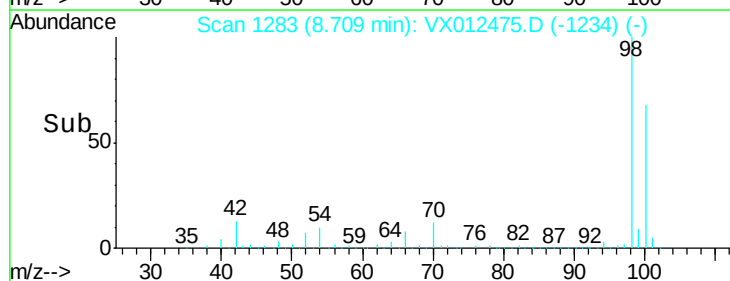
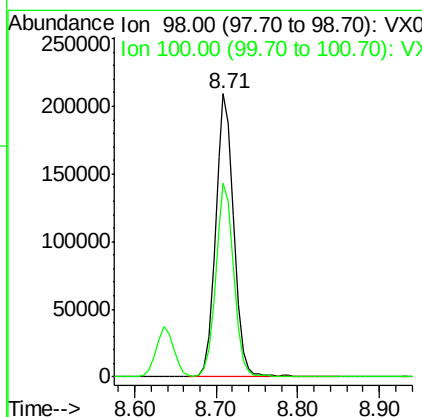
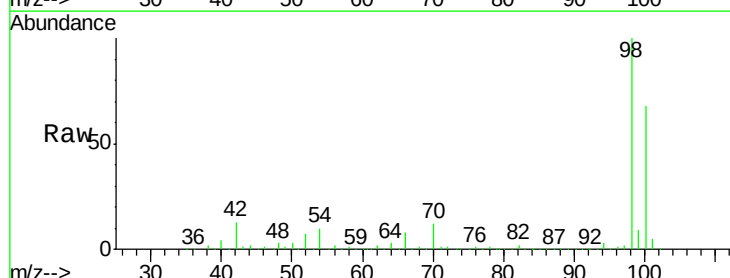
Manual Integrations
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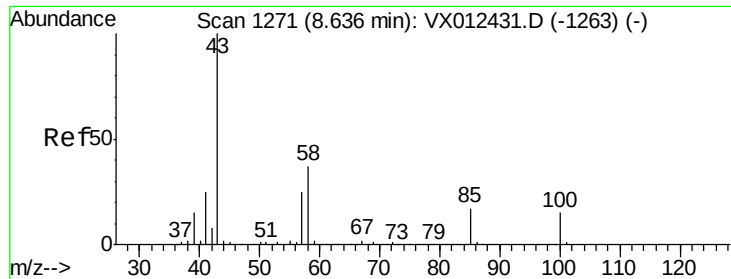
MMDadoda
9/19/2019 1:04:35 PM



#50
Toluene-d8
Concen: 43.348 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012475.D
Acq: 18 Sep 2019 15:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.8	53.4	80.2





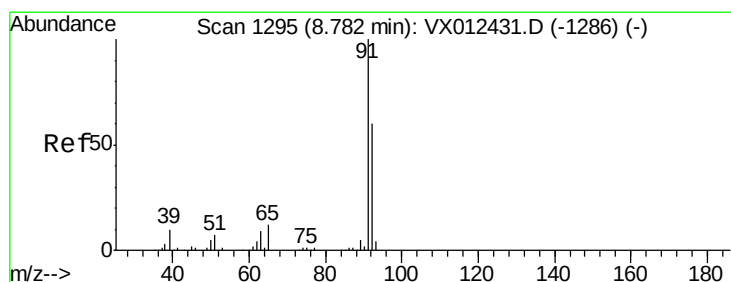
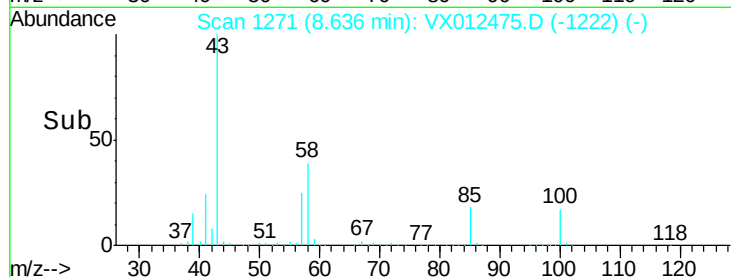
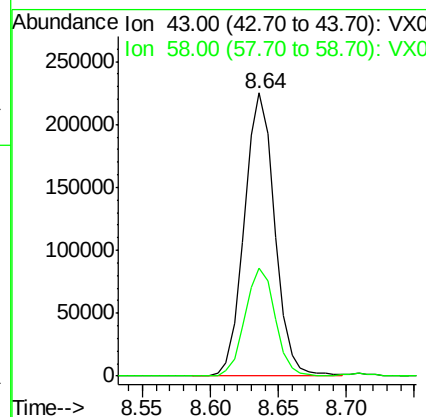
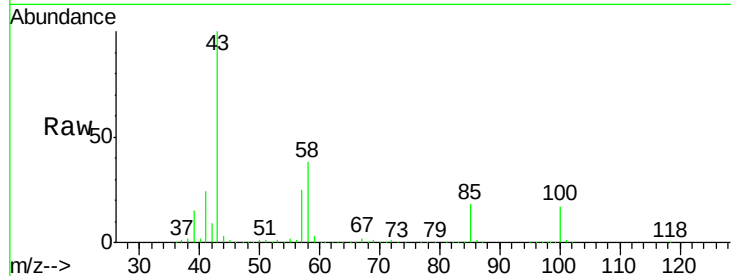
#51
4-Methyl-2-Pentanone
Concen: 94.595 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX012475.D
Acq: 18 Sep 2019 15:47

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tot Ion	43	Resp	351608
Ion Ratio	100	Lower	Upper
43	100		
58	38.0	29.8	44.6

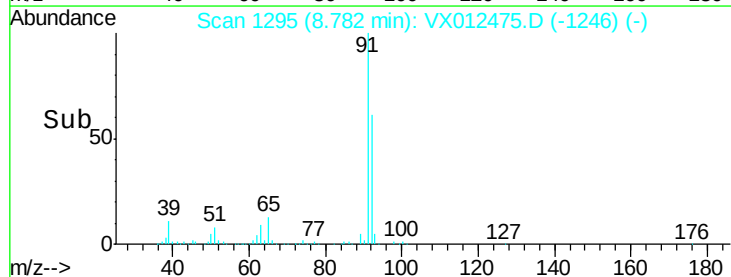
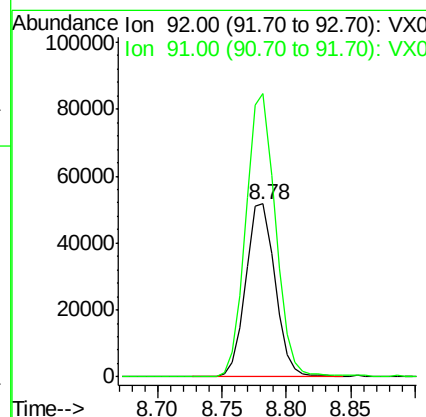
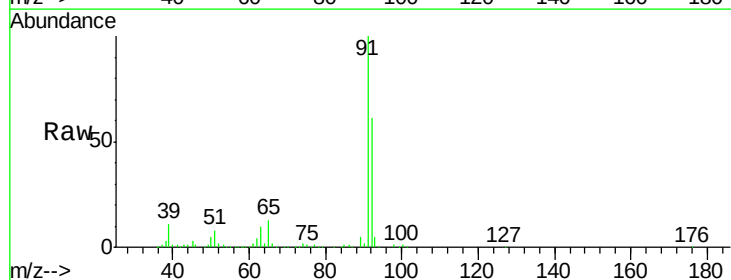
Manual Integrations
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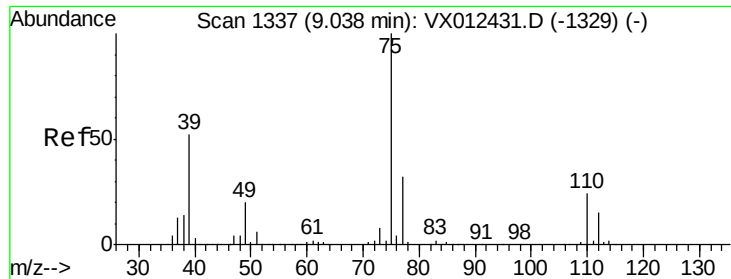
MMDadoda
9/19/2019 1:04:35 PM



#52
Toluene
Concen: 19.389 ug/l
RT: 8.78 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VX012475.D
Acq: 18 Sep 2019 15:47

Tgt Ion	92	Resp	81734
Ion Ratio	100	Lower	Upper
92	100		
91	165.4	135.4	203.0





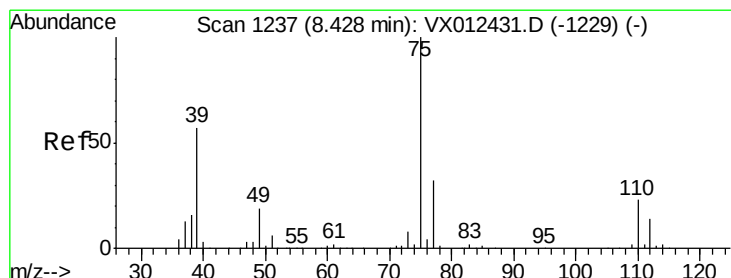
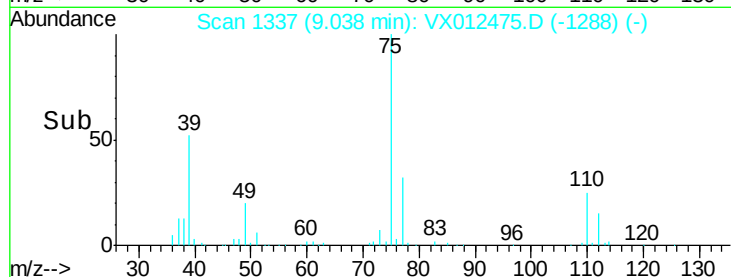
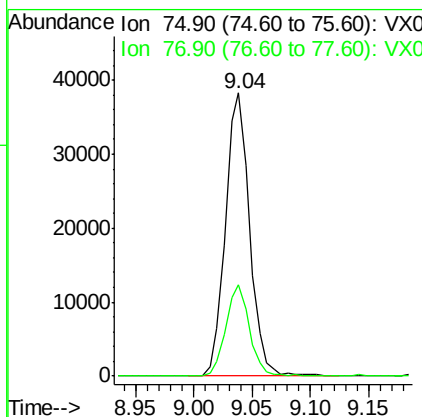
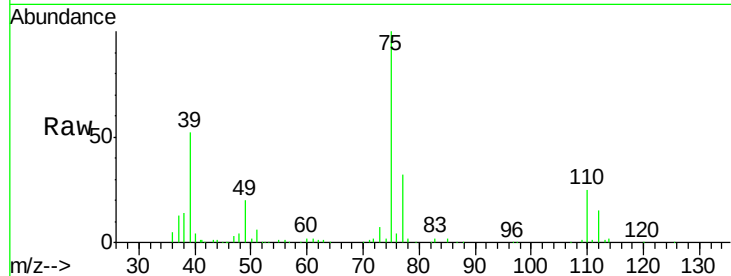
#53
 t-1,3-Dichloropropene
 Concen: 18.325 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VX012475.D
 Acq: 18 Sep 2019 15:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

Tot Ion: 75 Resp: 55167
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.2 37.8

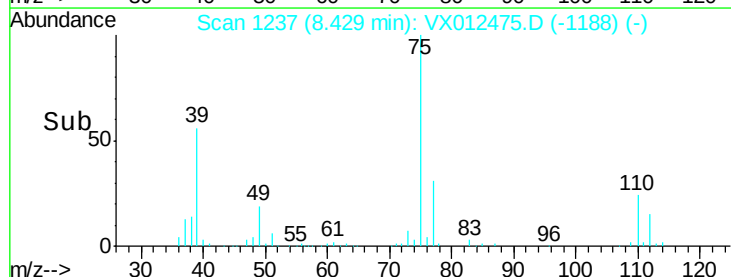
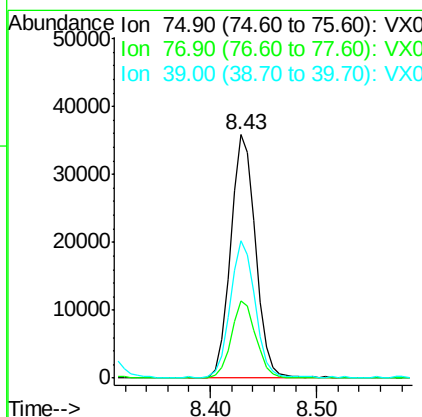
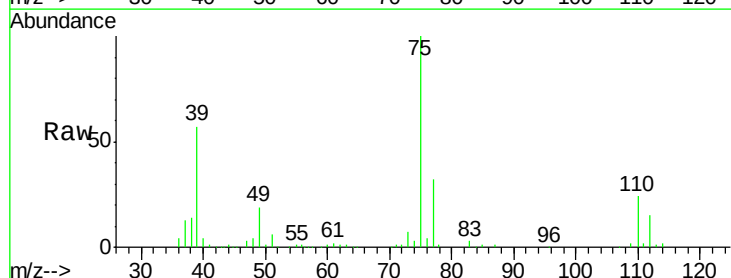
Manual Integrations
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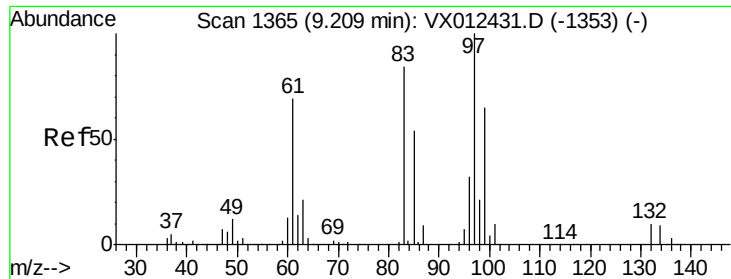
MMDadoda
 9/19/2019 1:04:35 PM



#54
 cis-1,3-Dichloropropene
 Concen: 18.917 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX012475.D
 Acq: 18 Sep 2019 15:47

Tgt Ion: 75 Resp: 58958
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.8 38.8
 39 56.2 45.5 68.3





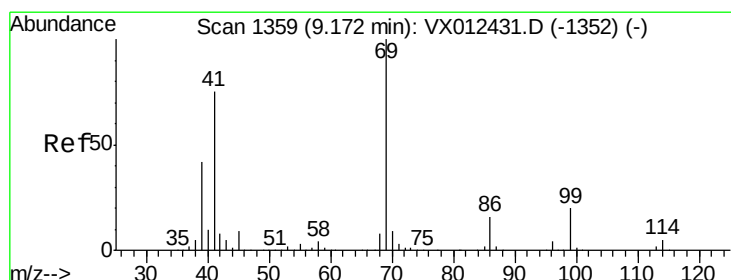
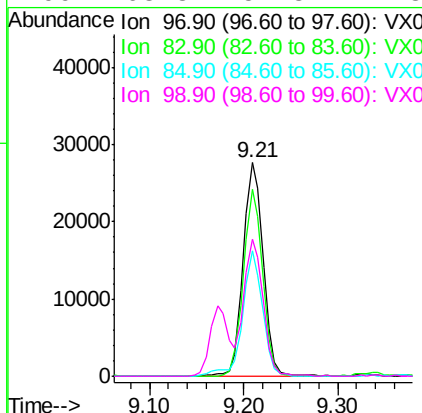
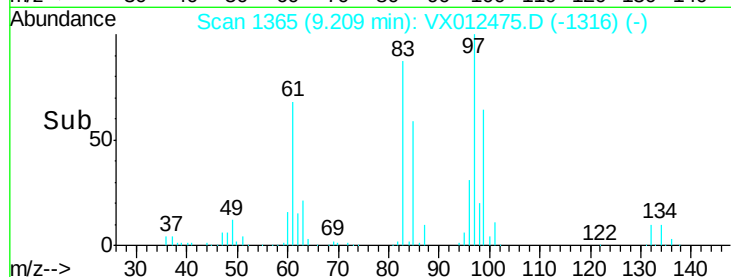
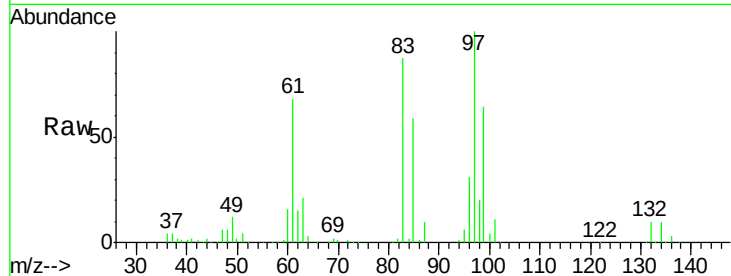
#55
 1,1,2-Trichloroethane
 Concen: 18.974 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012475.D
 Acq: 18 Sep 2019 15:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

Tot Ion:	97	Resp:	41208
Ion	Ratio	Lower	Upper
97	100		
83	87.3	67.4	101.2
85	58.9	43.5	65.3
99	63.8	51.8	77.8

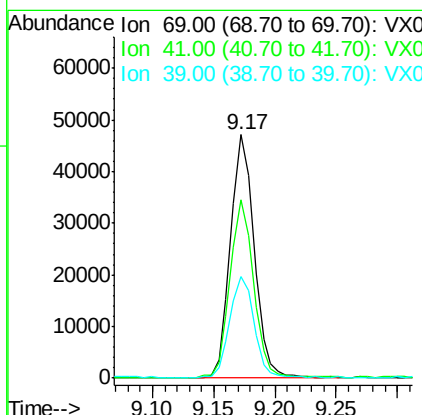
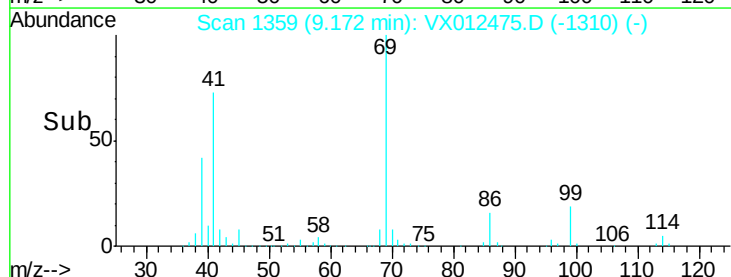
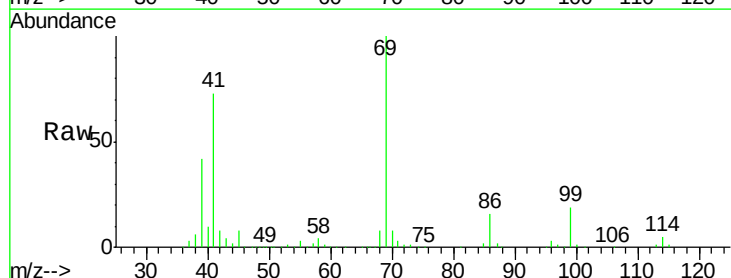
Manual Integrations
 APPROVED

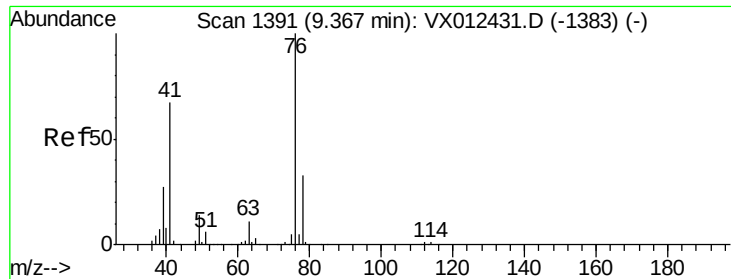
MMDadoda
 9/19/2019 1:04:35 PM



#56
 Ethyl methacrylate
 Concen: 18.711 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012475.D
 Acq: 18 Sep 2019 15:47

Tgt Ion:	69	Resp:	63535
Ion	Ratio	Lower	Upper
69	100		
41	72.0	58.4	87.6
39	42.4	33.4	50.0





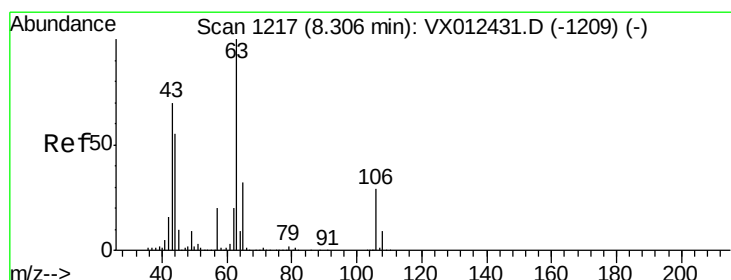
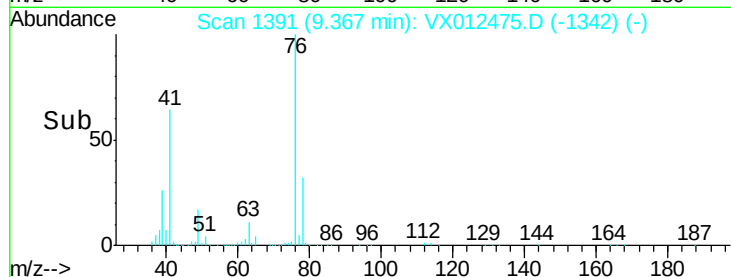
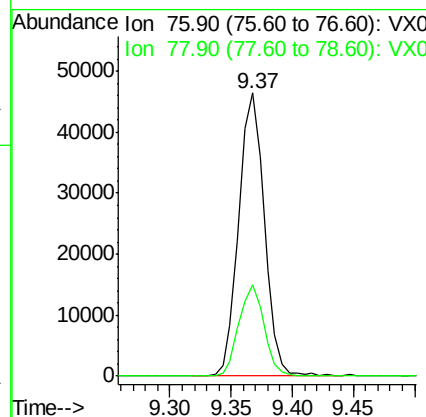
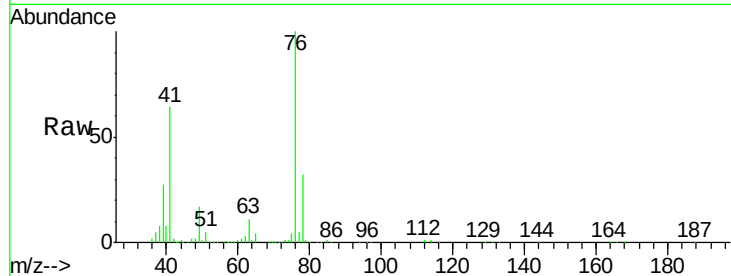
#57
 1,3-Dichloropropane
 Concen: 19.400 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX012475.D
 Acq: 18 Sep 2019 15:47

Instrument :
 MSVOA_X
 ClientSampled :
 VX0918WBSD01

Tot Ion: 76 Resp: 67223
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.2 39.2

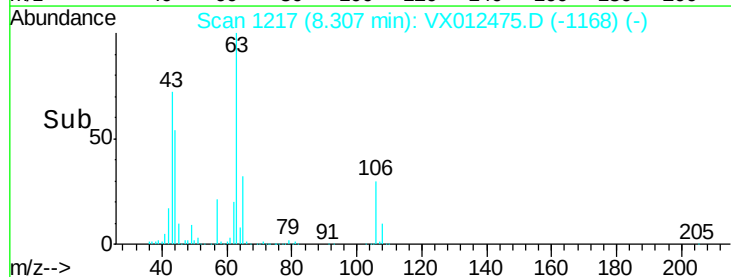
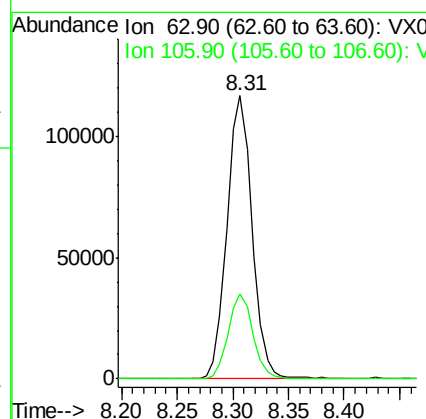
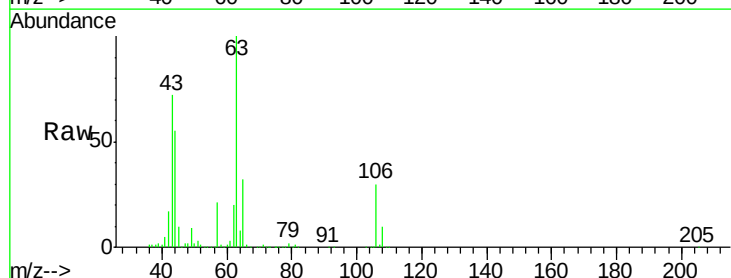
Manual Integrations
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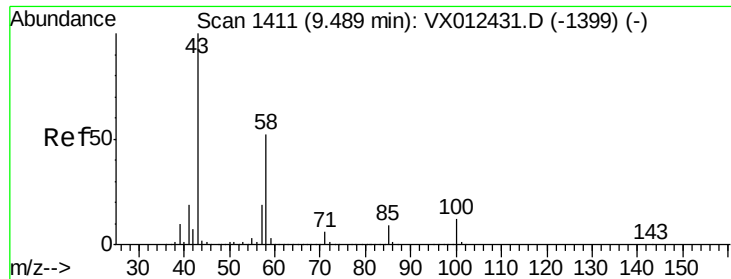
MMDadoda
 9/19/2019 1:04:35 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.046 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VX012475.D
 Acq: 18 Sep 2019 15:47

Tgt Ion: 63 Resp: 182883
 Ion Ratio Lower Upper
 63 100
 106 29.6 23.8 35.6





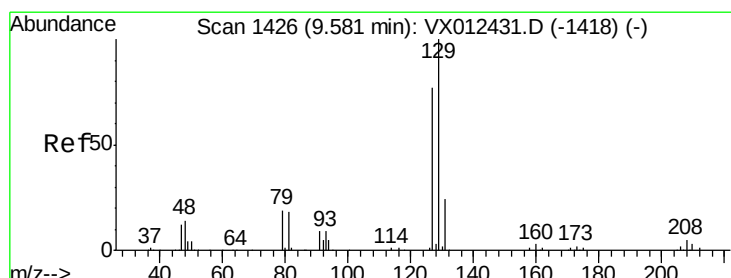
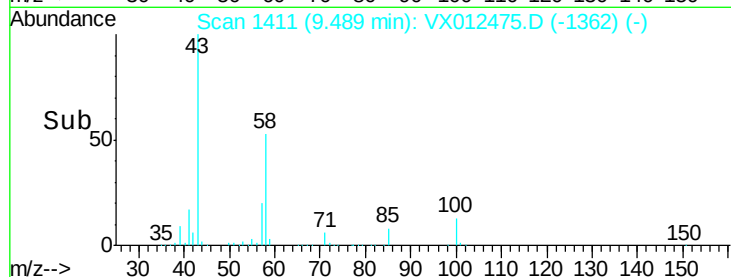
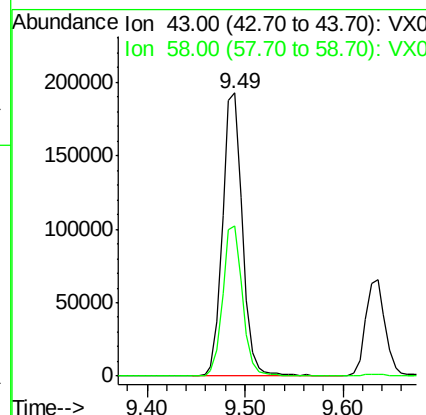
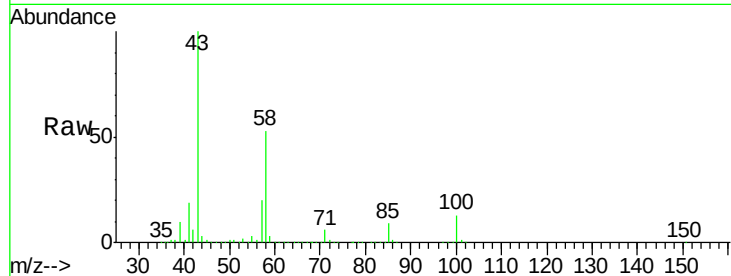
#59
2-Hexanone
Concen: 93.740 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.00 min
Lab File: VX012475.D
Acq: 18 Sep 2019 15:47

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tot Ion: 43 Resp: 271833
Ion Ratio Lower Upper
43 100
58 52.7 25.7 77.1

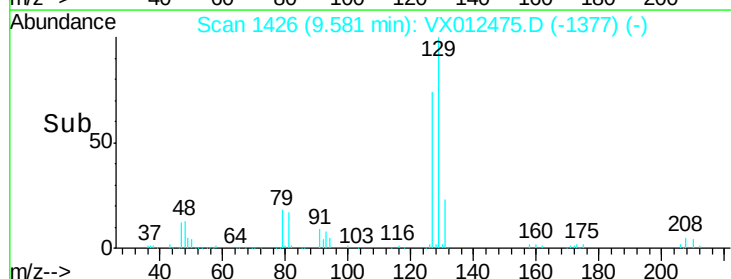
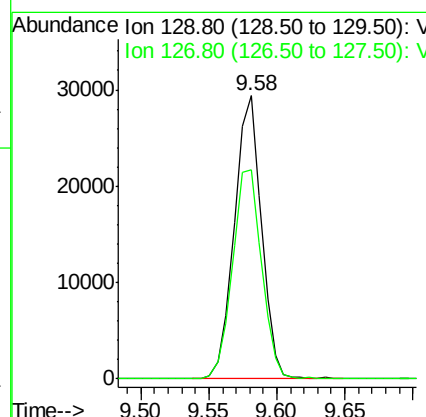
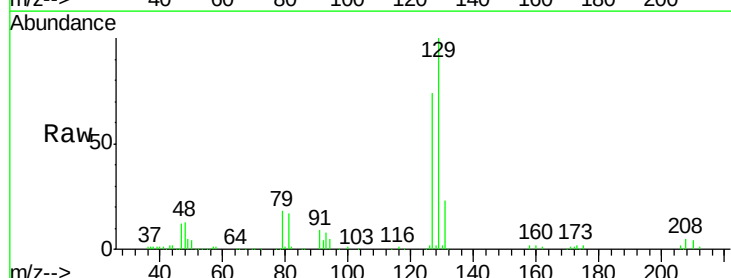
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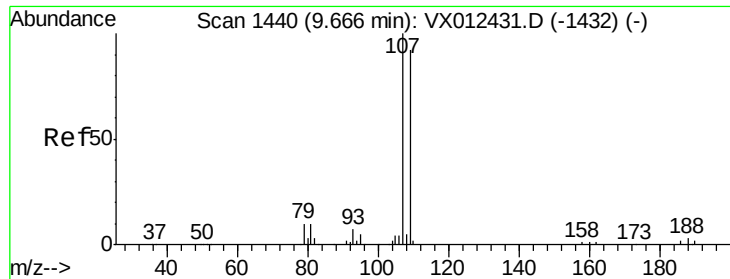
MMDadoda
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#60
Dibromochloromethane
Concen: 18.439 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX012475.D
Acq: 18 Sep 2019 15:47

Tgt Ion: 129 Resp: 40792
Ion Ratio Lower Upper
129 100
127 79.2 38.9 116.6





#61

1,2-Dibromoethane

Concen: 19.932 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012475.D

Acq: 18 Sep 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tot Ion:107 Resp: 39536

Ion Ratio Lower Upper

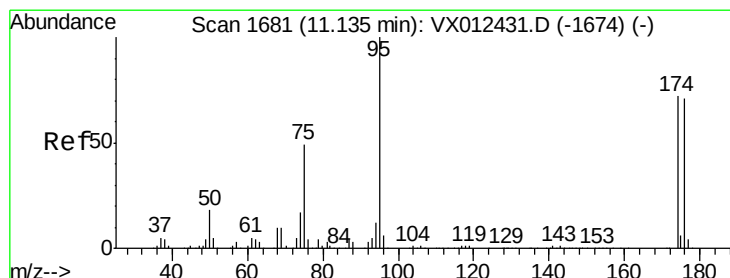
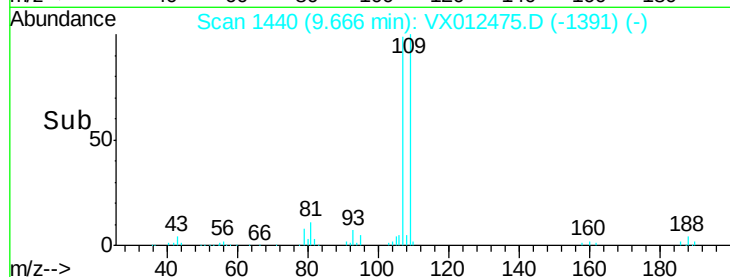
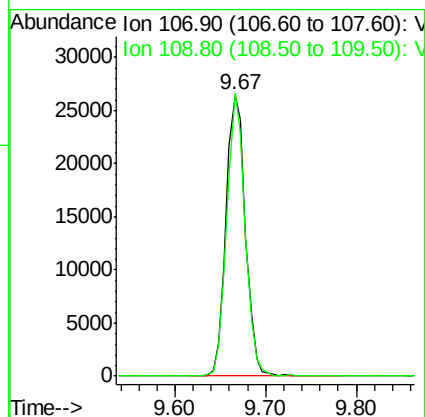
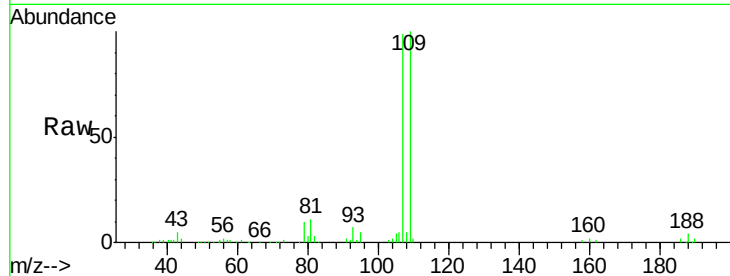
107 100

109 94.7 74.7 112.1

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#62

4-Bromofluorobenzene

Concen: 41.972 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012475.D

Acq: 18 Sep 2019 15:47

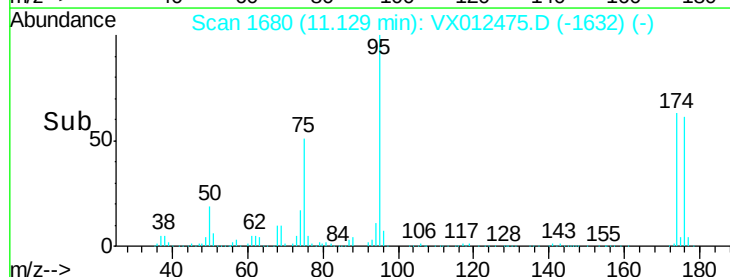
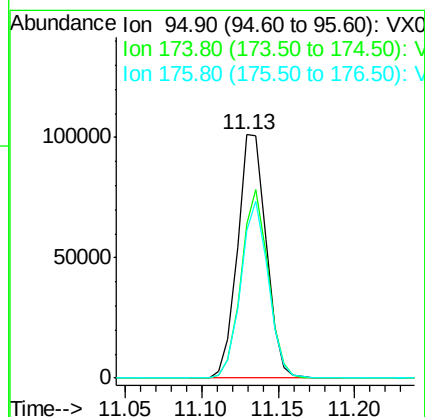
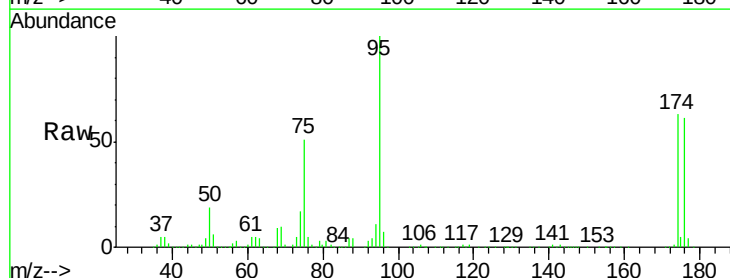
Tgt Ion: 95 Resp: 132161

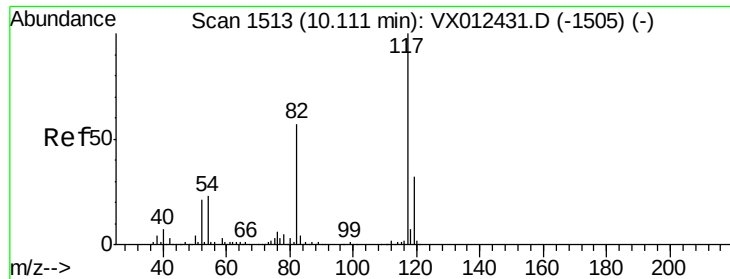
Ion Ratio Lower Upper

95 100

174 72.4 0.0 140.0

176 69.2 0.0 135.4





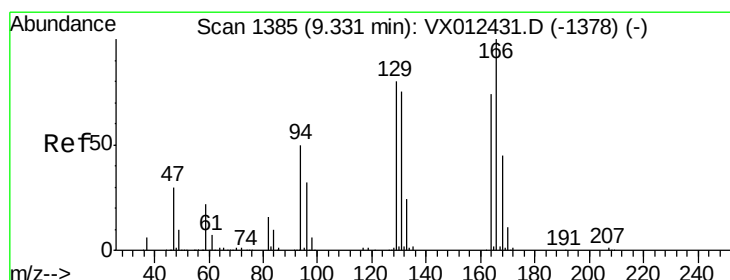
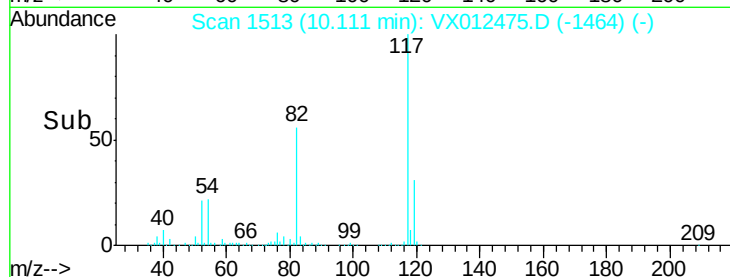
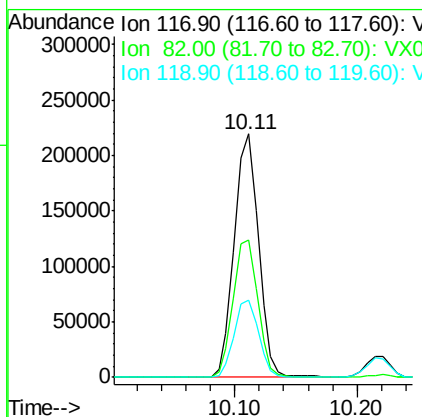
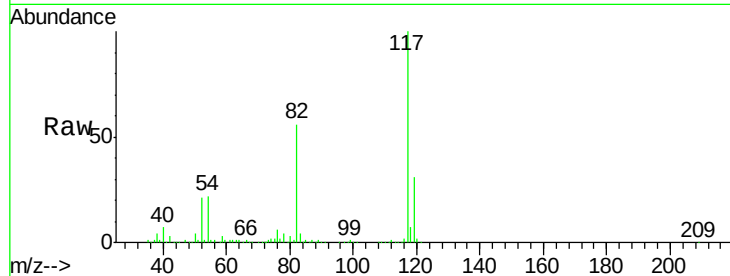
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012475.D
Acq: 18 Sep 2019 15:47

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	301665		
82	56.2	45.9	68.9	
119	31.5	25.3	37.9	

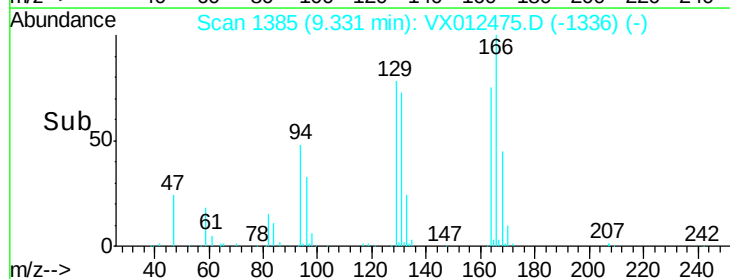
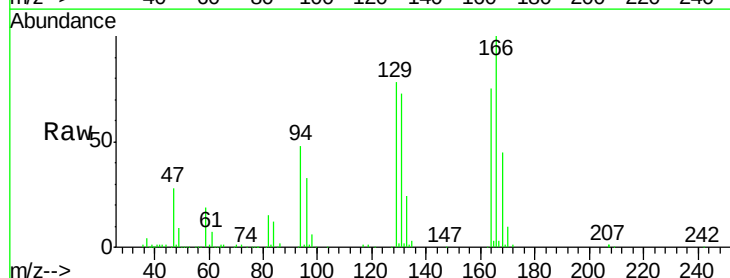
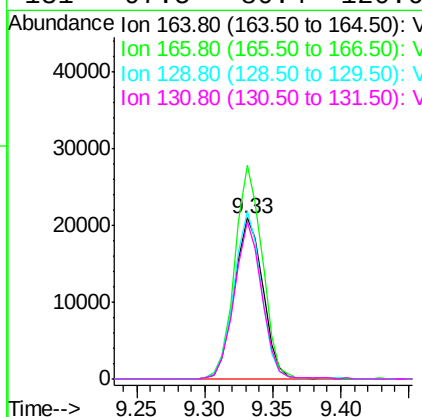
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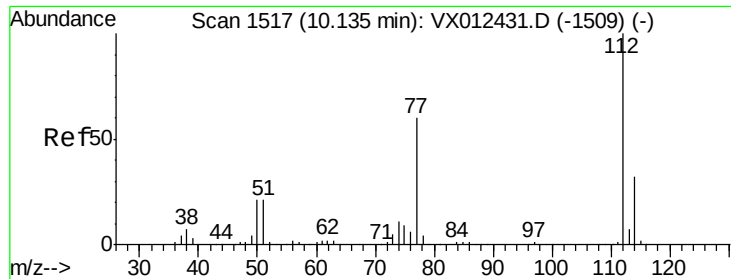
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#64
Tetrachloroethene
Concen: 22.407 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012475.D
Acq: 18 Sep 2019 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	30974		
166	132.8	107.8	161.6	
129	104.0	86.2	129.2	
131	97.5	80.4	120.6	





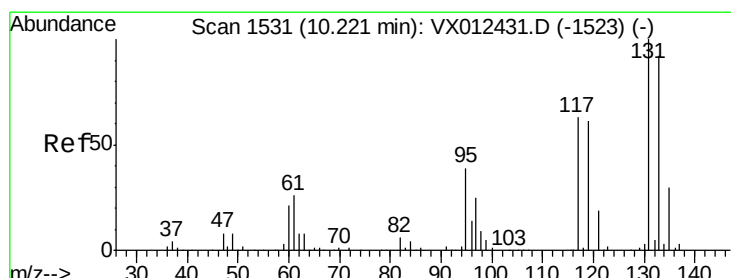
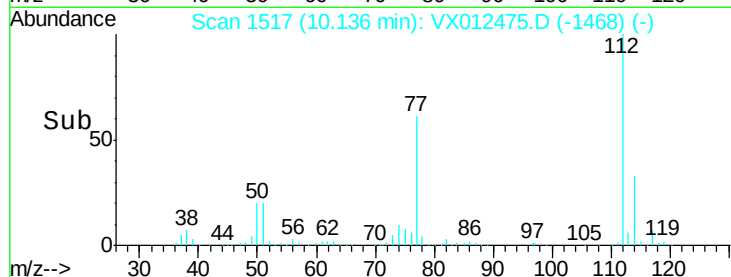
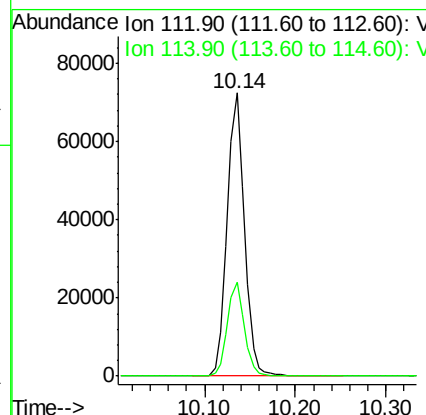
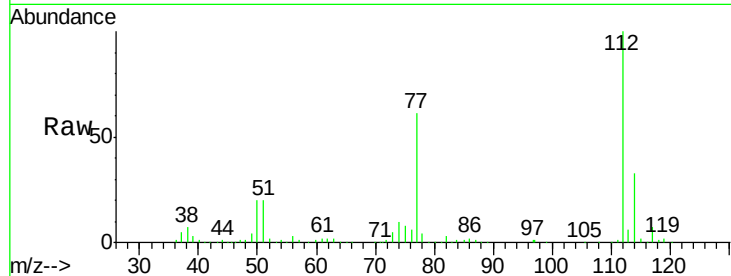
#65
Chlorobenzene
Concen: 19.419 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX012475.D
Acq: 18 Sep 2019 15:47

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tot Ion:112 Resp: 96687
Ion Ratio Lower Upper
112 100
114 33.1 25.4 38.0

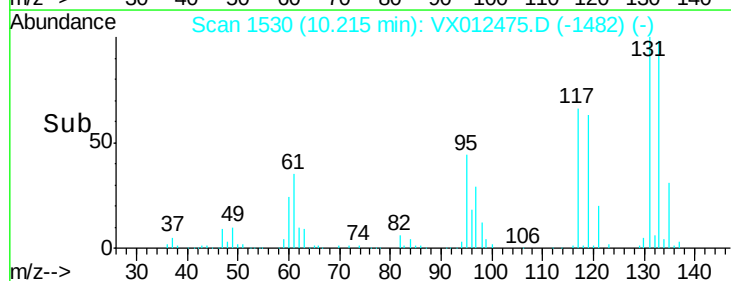
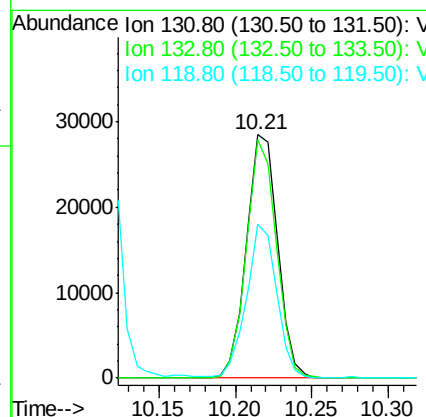
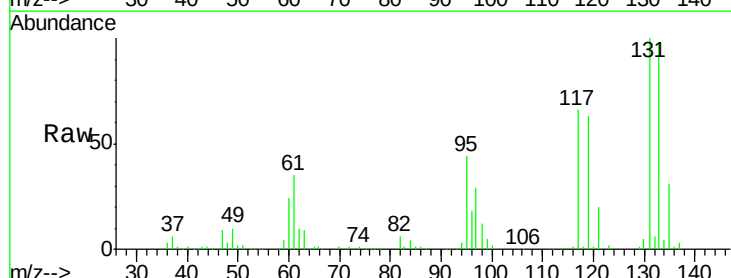
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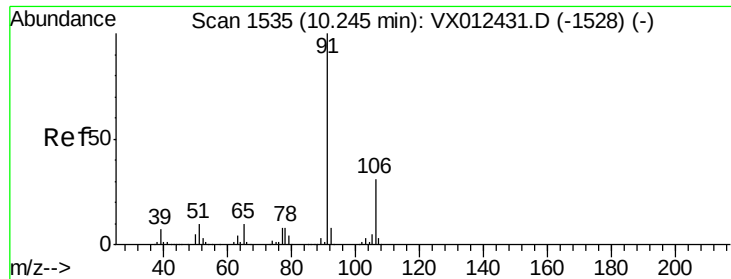
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.530 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VX012475.D
Acq: 18 Sep 2019 15:47

Tgt Ion:131 Resp: 40356
Ion Ratio Lower Upper
131 100
133 94.5 47.6 142.9
119 61.5 31.3 93.8





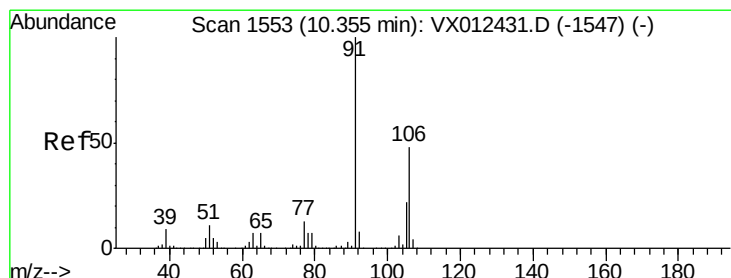
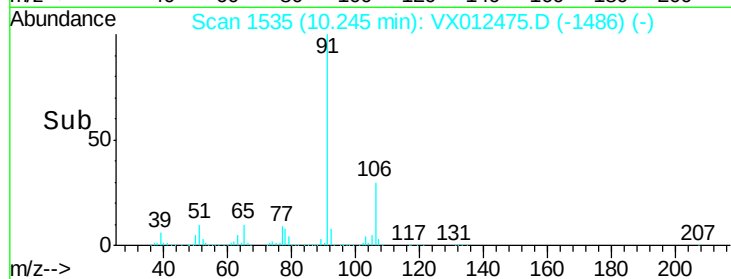
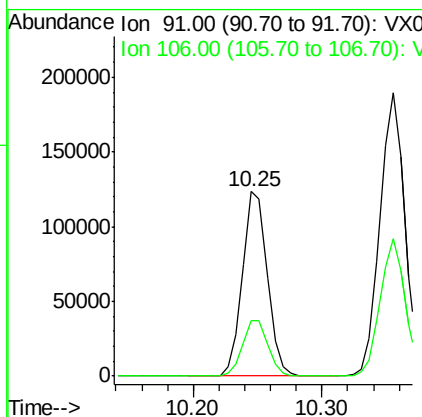
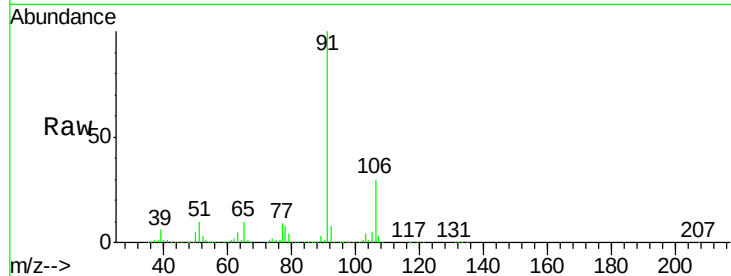
#67
Ethyl Benzene
Concen: 19.304 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX012475.D
Acq: 18 Sep 2019 15:47

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tot Ion: 91 Resp: 165131
Ion Ratio Lower Upper
91 100
106 30.3 24.6 37.0

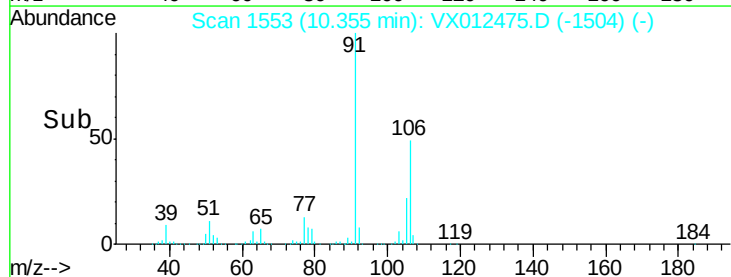
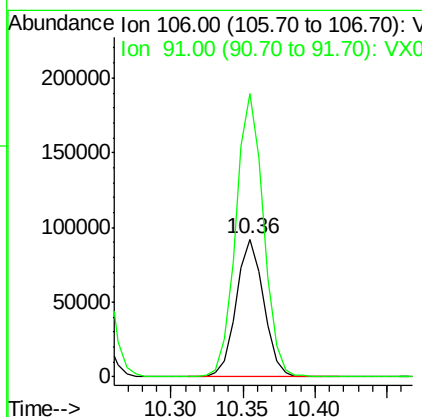
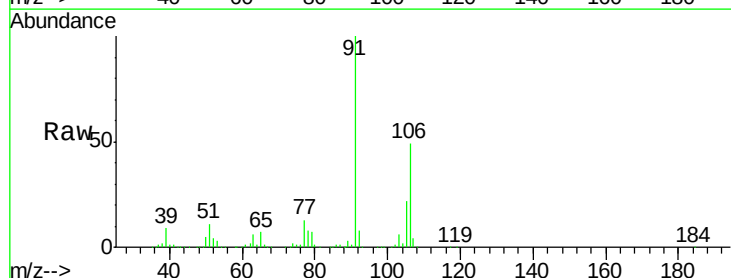
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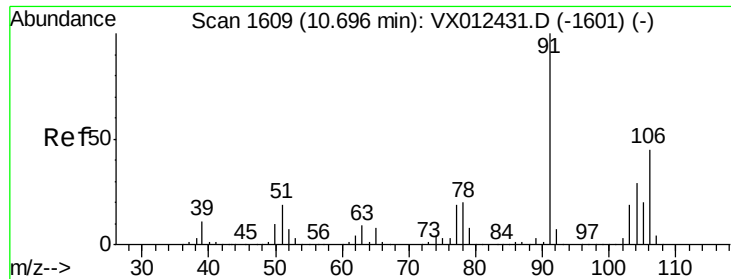
MMDadoda
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#68
m/p-Xylenes
Concen: 39.522 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012475.D
Acq: 18 Sep 2019 15:47

Tgt Ion: 106 Resp: 123011
Ion Ratio Lower Upper
106 100
91 206.2 166.6 250.0





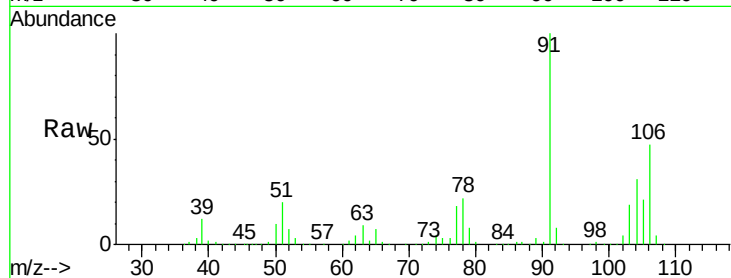
#69
o-Xylene
Concen: 19.745 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012475.D
Acq: 18 Sep 2019 15:47

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

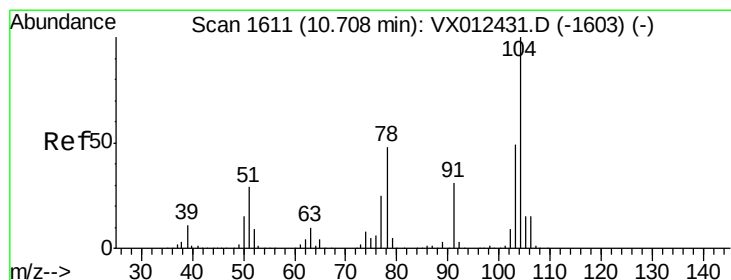
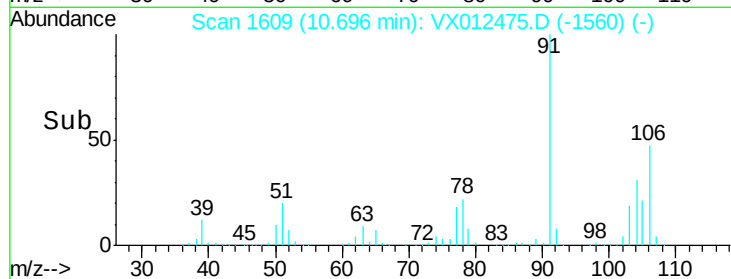
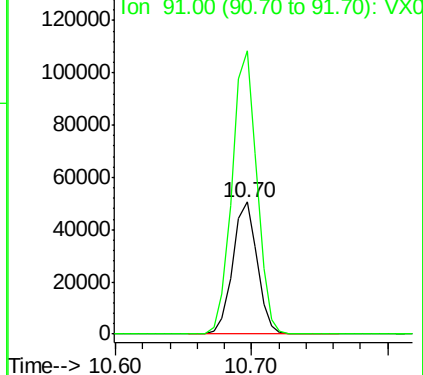
Tot Ion:106 Resp: 63200
Ion Ratio Lower Upper
106 100
91 217.9 109.4 328.2

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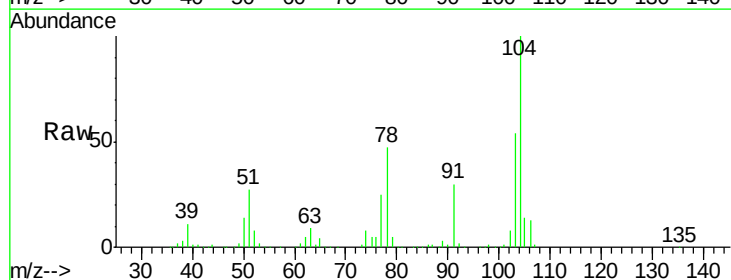


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

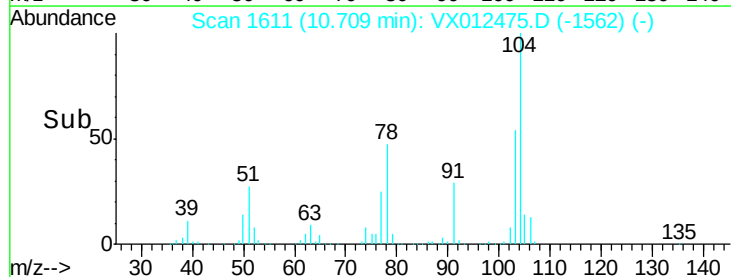
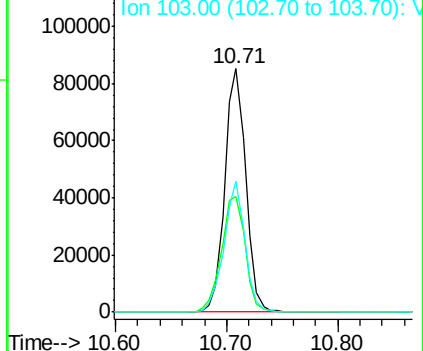


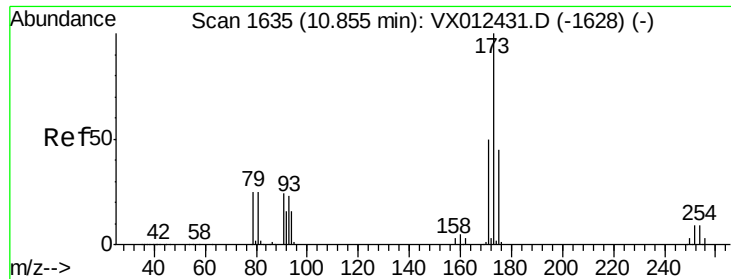
#70
Styrene
Concen: 19.640 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012475.D
Acq: 18 Sep 2019 15:47

Tgt Ion:104 Resp: 111227
Ion Ratio Lower Upper
104 100
78 54.0 43.4 65.2
103 53.6 43.3 64.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 18.059 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012475.D

Acq: 18 Sep 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tot Ion:173 Resp: 28670

Ion Ratio Lower Upper

173 100

175 46.9 23.7 71.1

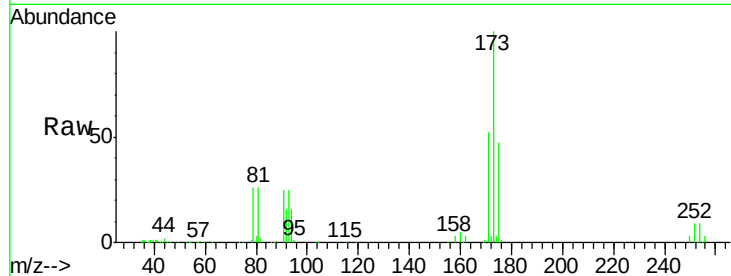
254 0.2 0.1 0.1#

Manual Integrations

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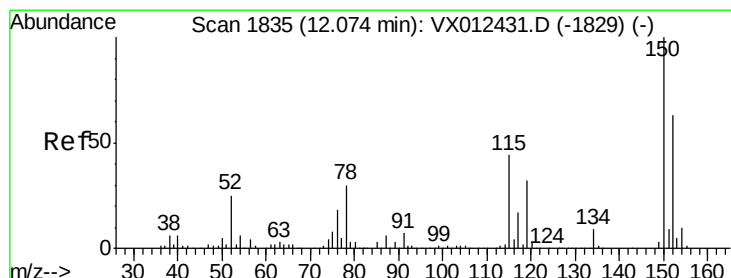
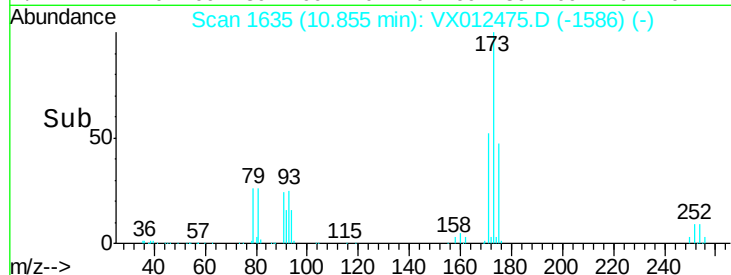
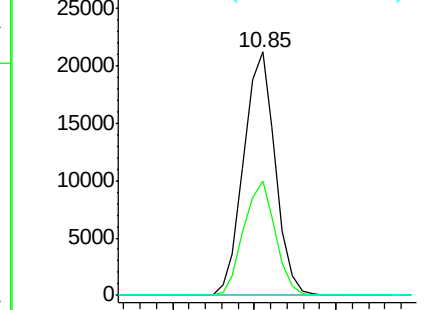
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012475.D

Acq: 18 Sep 2019 15:47

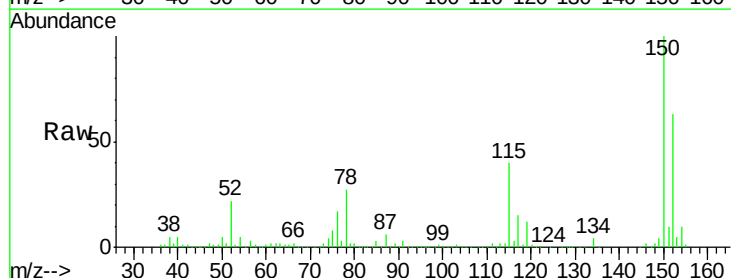
Tgt Ion:152 Resp: 143583

Ion Ratio Lower Upper

152 100

115 71.7 44.1 132.3

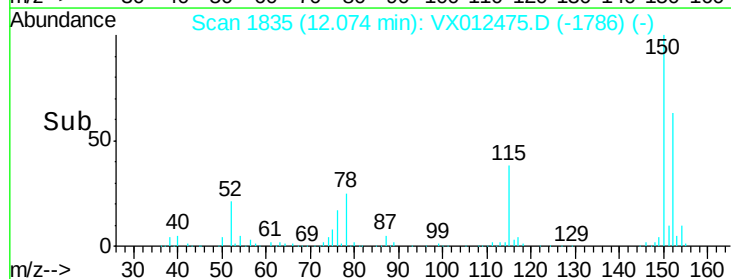
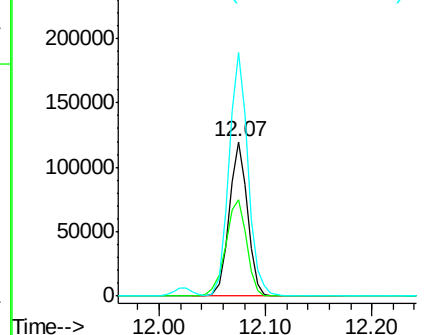
150 164.5 0.0 343.8

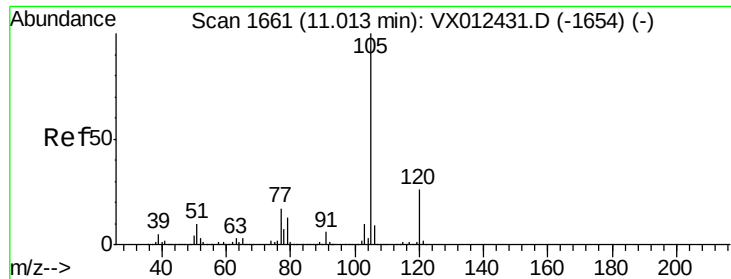


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.835 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012475.D

Acq: 18 Sep 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tot Ion:105 Resp: 178691

Ion Ratio Lower Upper

105 100

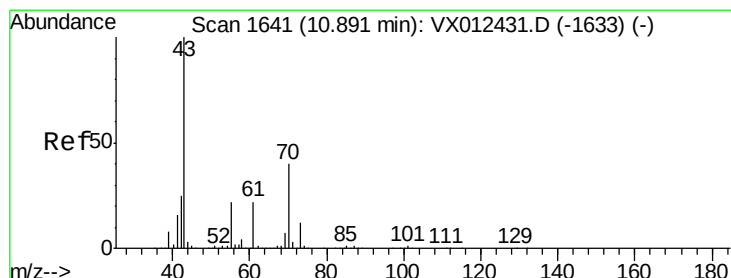
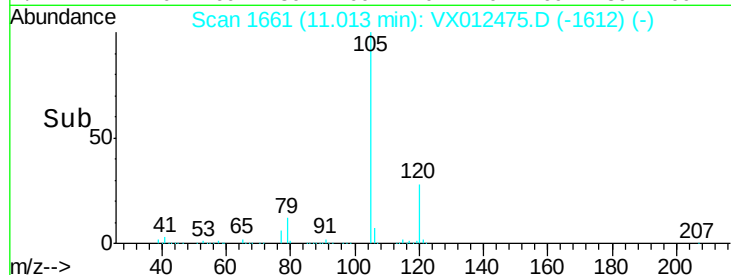
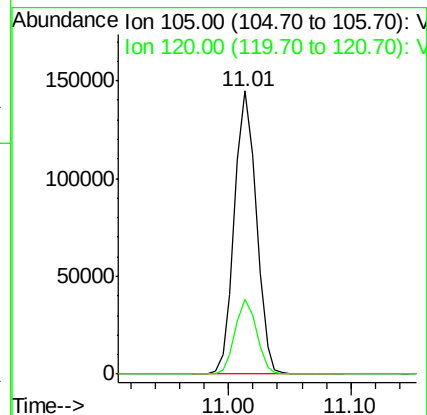
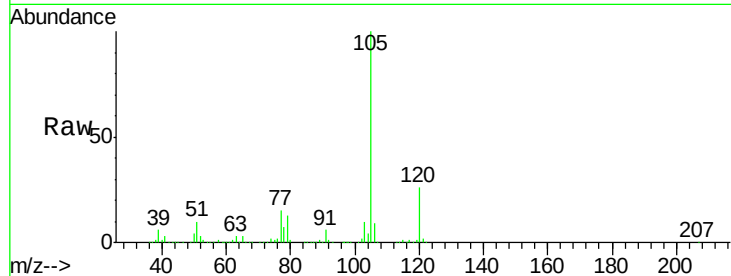
120 25.9 12.9 38.7

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#74

N-ethyl acetate

Concen: 18.918 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012475.D

Acq: 18 Sep 2019 15:47

Tgt Ion: 43 Resp: 91759

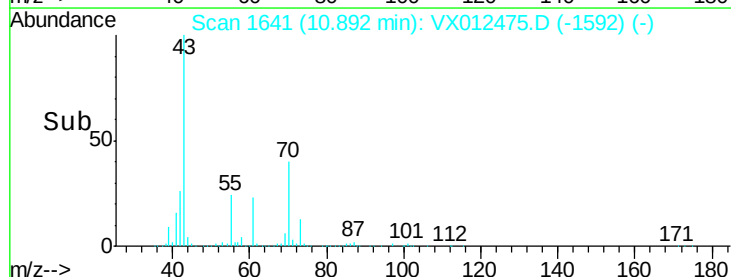
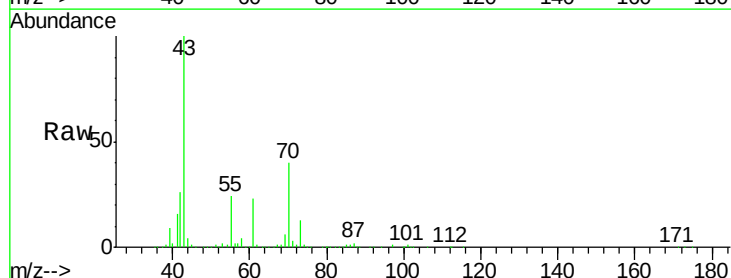
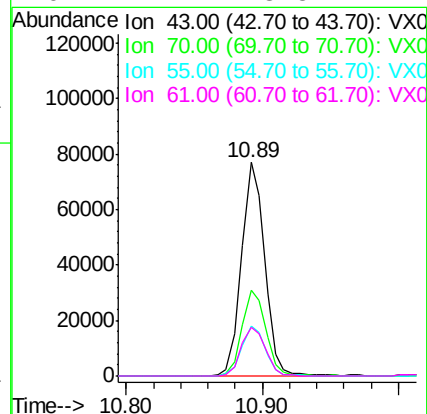
Ion Ratio Lower Upper

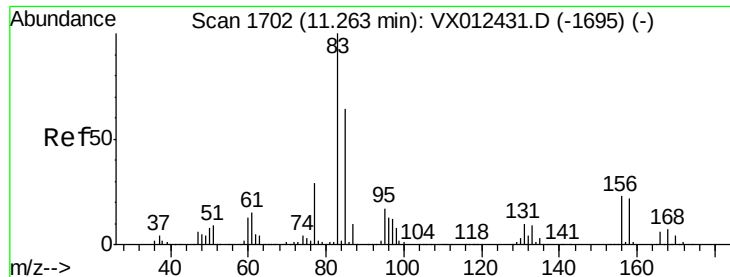
43 100

70 41.4 32.4 48.6

55 24.0 18.2 27.4

61 24.2 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.360 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012475.D

Acq: 18 Sep 2019 15:47

Instrument :

MSVOA_X

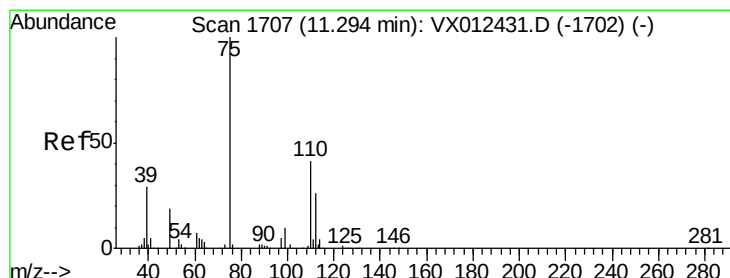
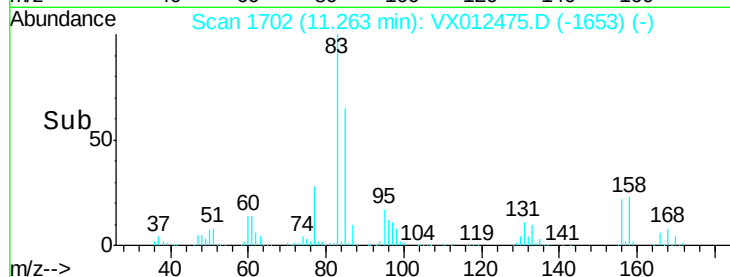
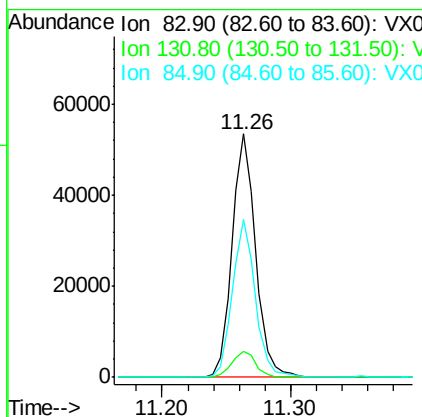
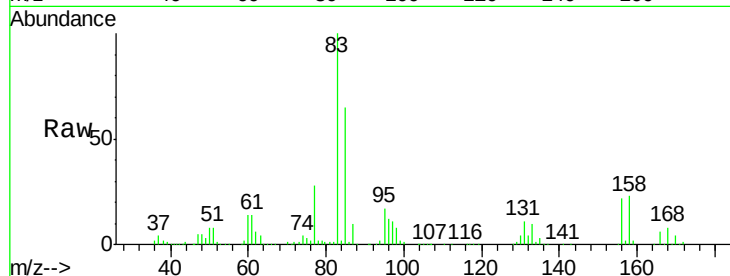
ClientSampled :

VX0918WBSD01

Tot Ion:	83	Resp:	68417
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.2	15.6
85	63.8	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 19.900 ug/l m

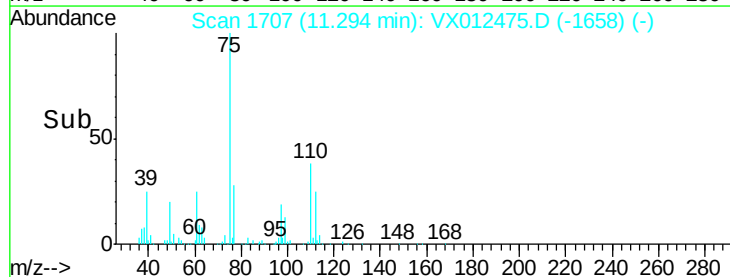
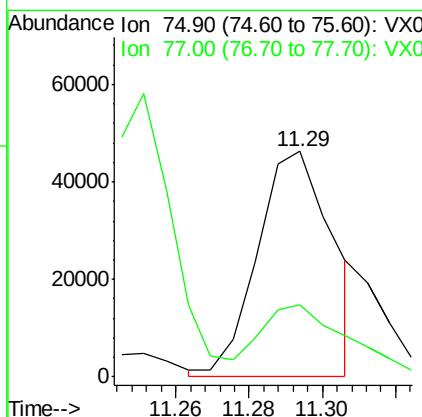
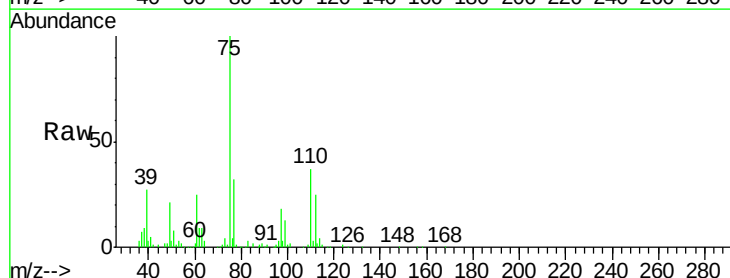
RT: 11.29 min Scan# 1707

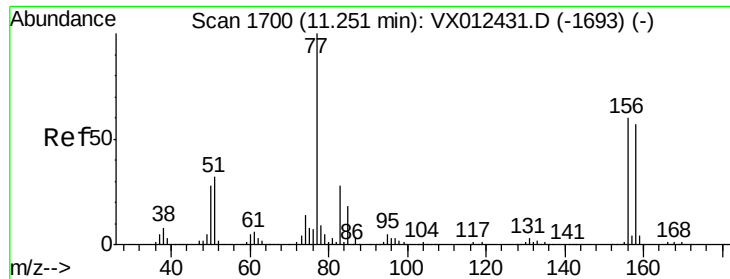
Delta R.T. 0.00 min

Lab File: VX012475.D

Acq: 18 Sep 2019 15:47

Tgt Ion:	75	Resp:	65635
Ion Ratio	Lower	Upper	
75	100		
77	37.5	19.7	59.0





#77

Bromobenzene

Concen: 20.190 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012475.D

Acq: 18 Sep 2019 15:47

Instrument :

MSVOA_X

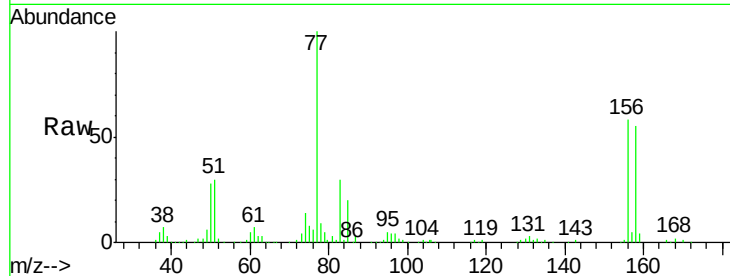
ClientSampleId :

VX0918WBSD01

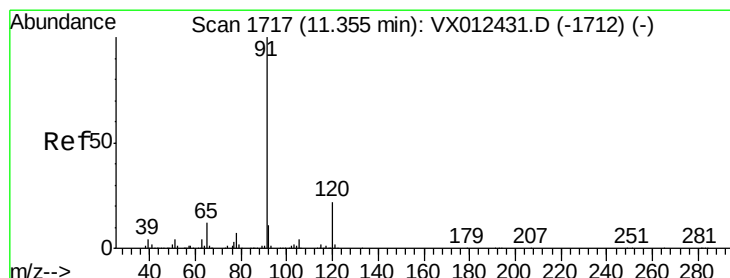
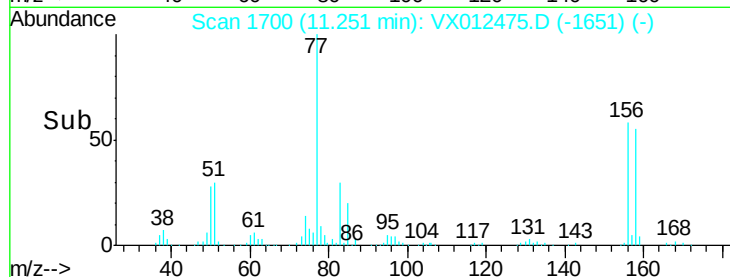
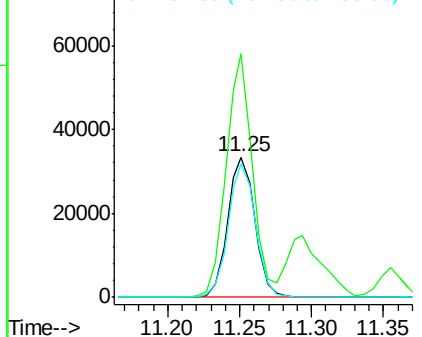
Tot Ion:	156	Resp:	44360
Ion	Ratio	Lower	Upper
156	100		
77	168.6	87.3	261.8
158	96.0	48.5	145.6

Manual Integrations
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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: 19.592 ug/l

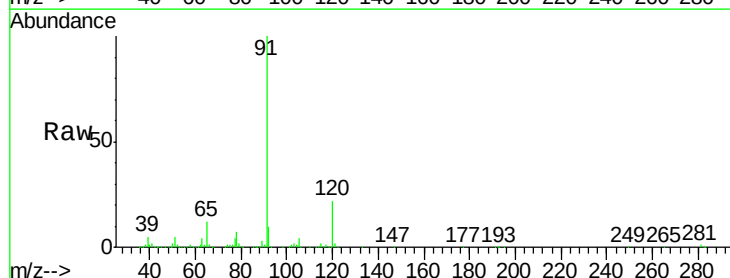
RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

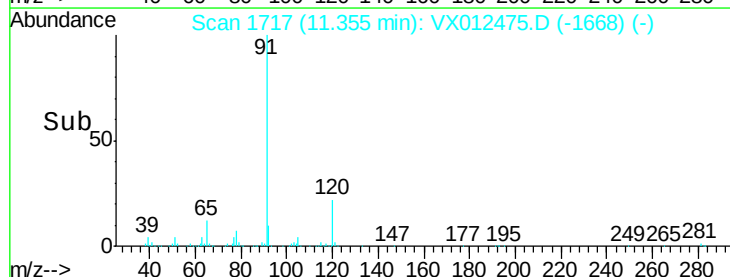
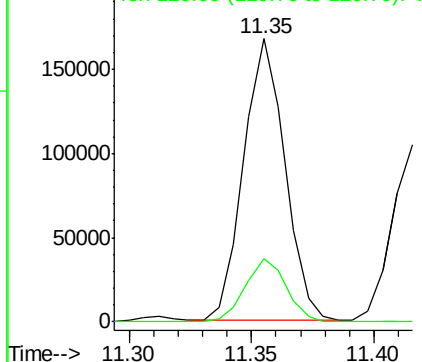
Lab File: VX012475.D

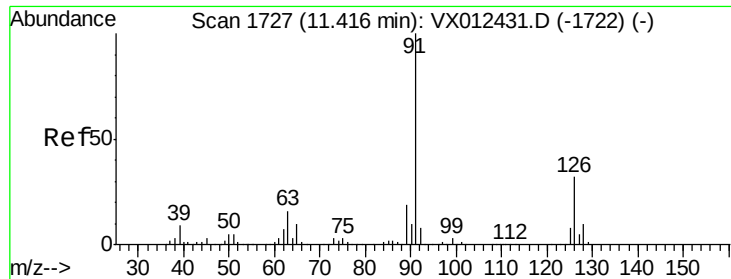
Acq: 18 Sep 2019 15:47

Tgt Ion:	91	Resp:	196726
Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.3	33.8



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.181 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX012475.D

Acq: 18 Sep 2019 15:47

Instrument :

MSVOA_X

ClientSampled :

VX0918WBSD01

Tot Ion: 91 Resp: 125293

Ion Ratio Lower Upper

91 100

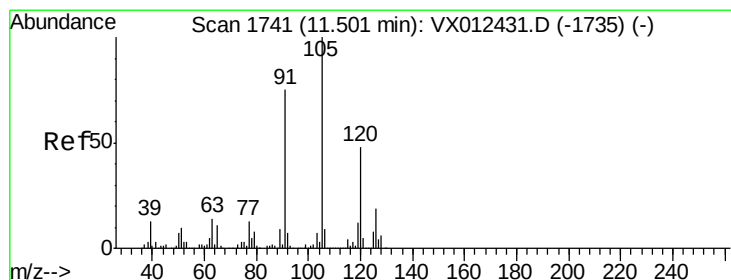
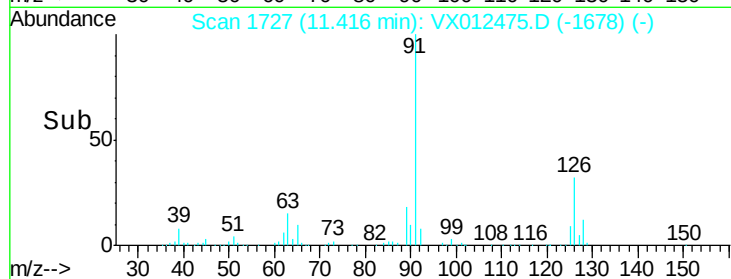
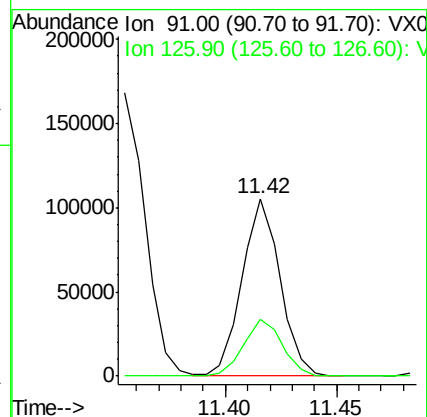
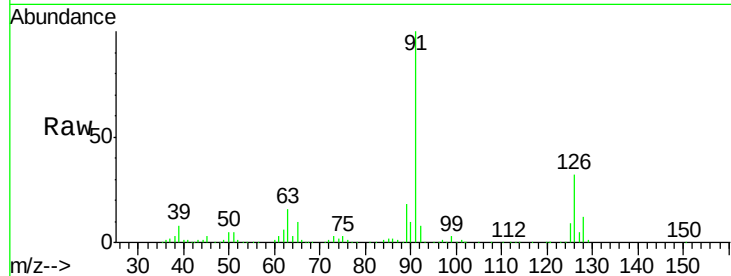
126 32.5 16.4 49.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.665 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX012475.D

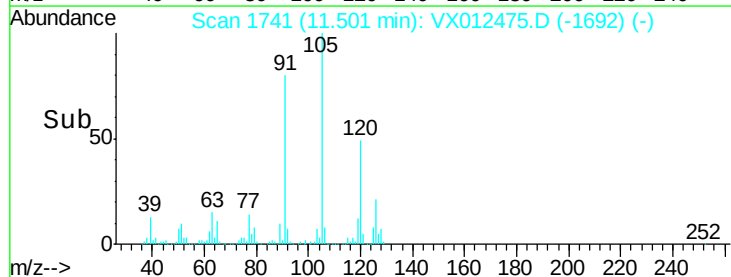
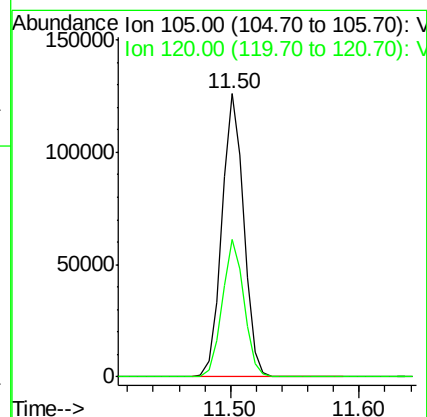
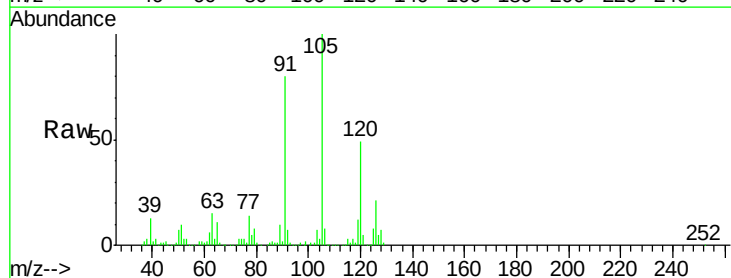
Acq: 18 Sep 2019 15:47

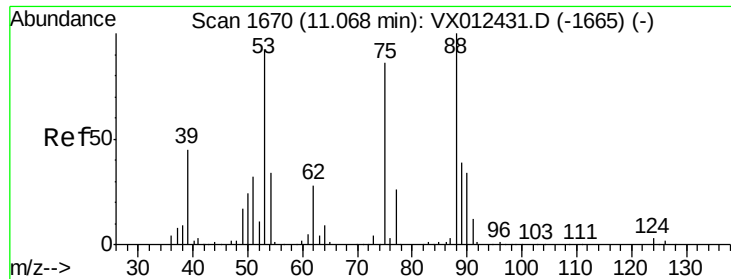
Tgt Ion: 105 Resp: 151092

Ion Ratio Lower Upper

105 100

120 48.4 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.531 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX012475.D

Acq: 18 Sep 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tot Ion: 75 Resp: 19768

Ion Ratio Lower Upper

75 100

53 111.4 83.6 125.4

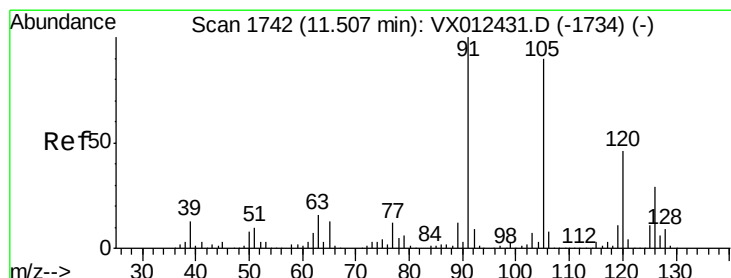
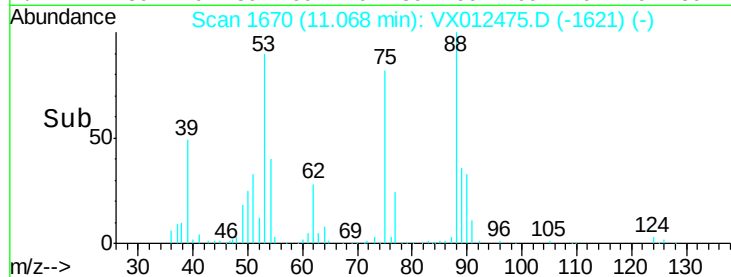
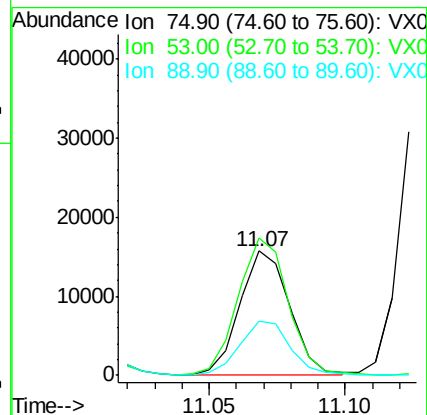
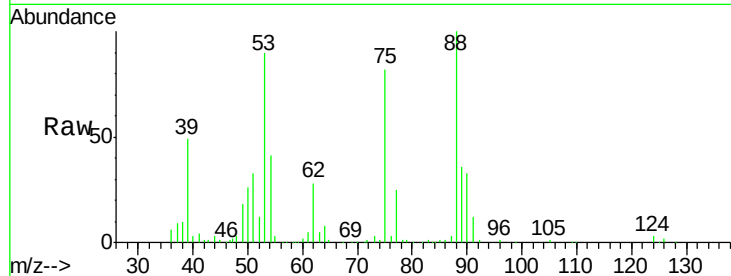
89 45.4 36.3 54.5

Manual Integrations

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#82

4-Chlorotoluene

Concen: 19.290 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX012475.D

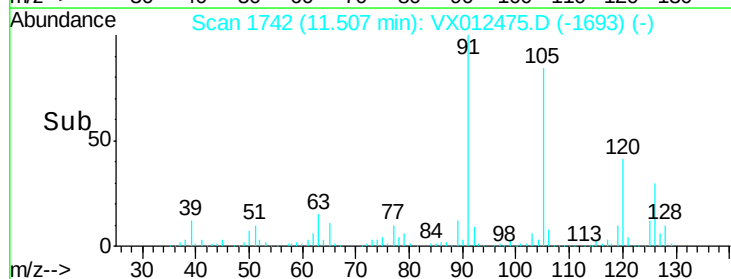
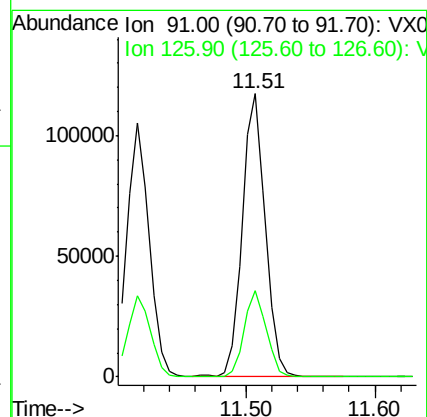
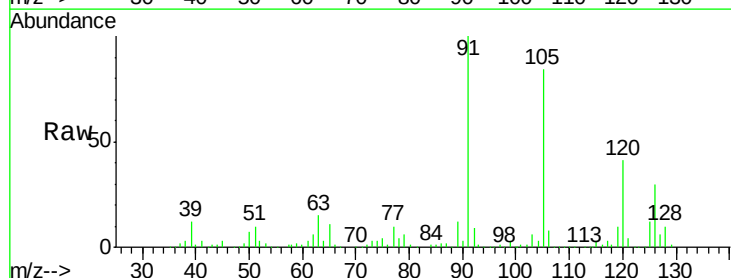
Acq: 18 Sep 2019 15:47

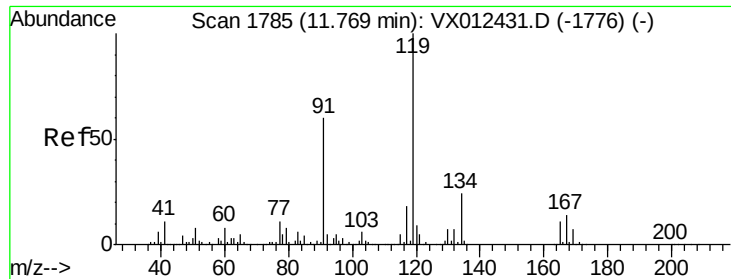
Tgt Ion: 91 Resp: 144618

Ion Ratio Lower Upper

91 100

126 29.3 14.4 43.0





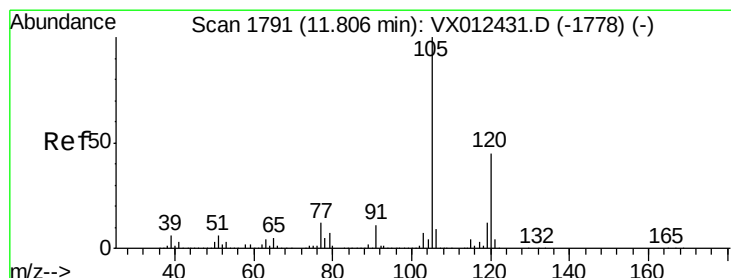
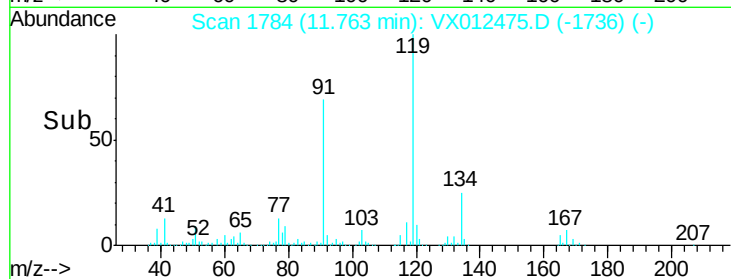
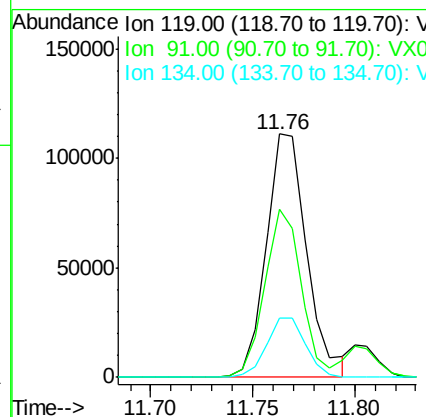
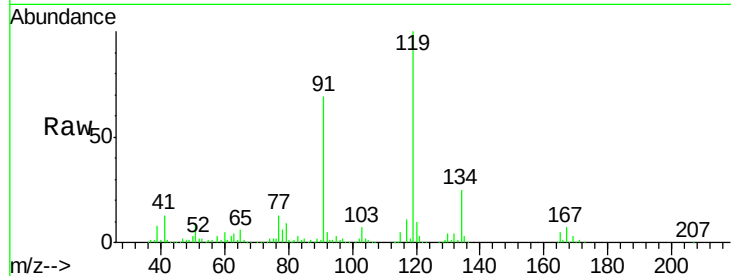
#83
 tert-Butylbenzene
 Concen: 18.752 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: VX012475.D
 Acq: 18 Sep 2019 15:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	154380		
91	62.4	30.0	90.0	
134	23.4	11.3	33.9	

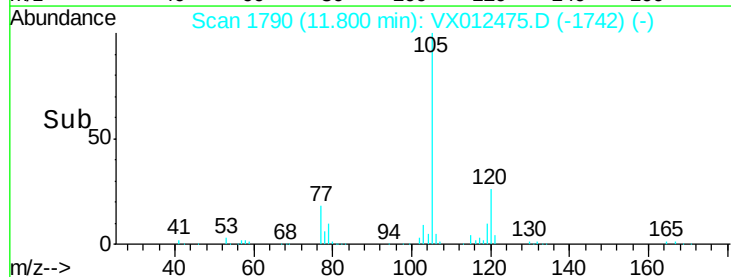
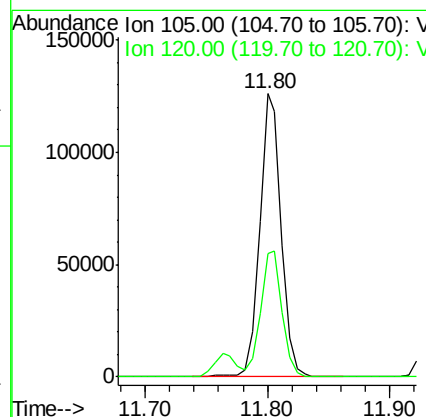
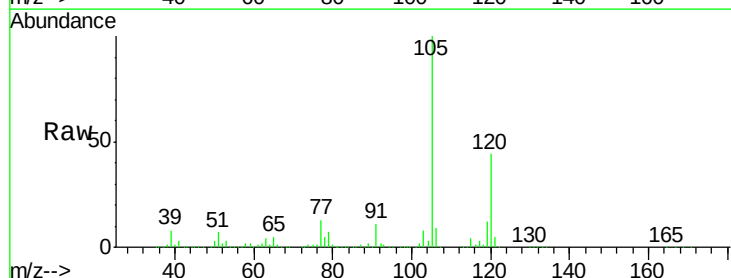
Manual Integrations
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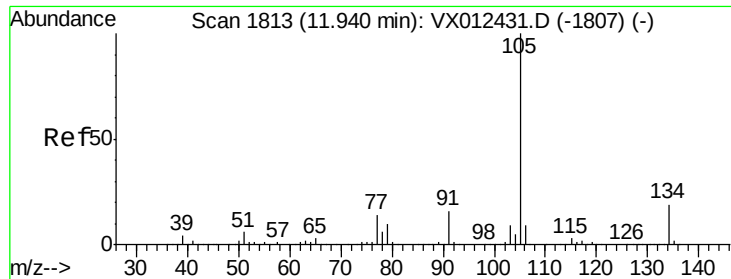
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.581 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: VX012475.D
 Acq: 18 Sep 2019 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	154474		
120	44.6	22.2	66.6	





#85

sec-Butylbenzene

Concen: 19.306 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012475.D

Acq: 18 Sep 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tot Ion:105 Resp: 175142

Ion Ratio Lower Upper

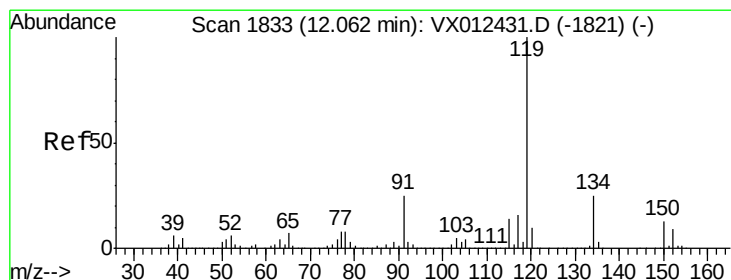
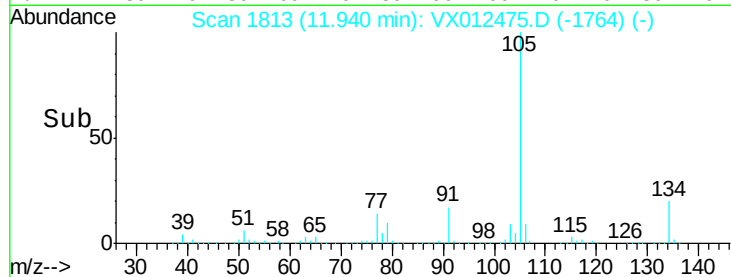
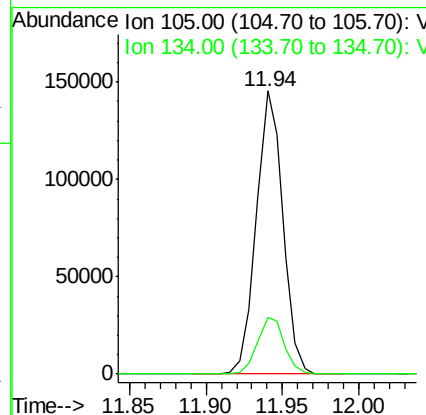
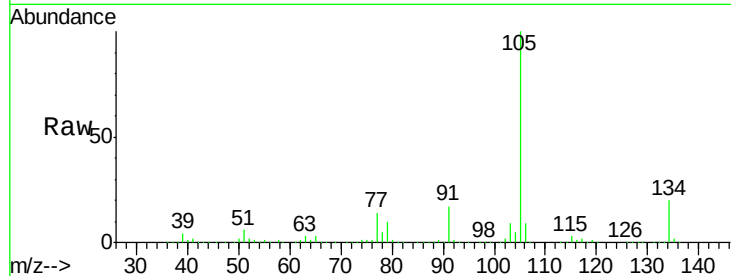
105 100

134 20.2 9.8 29.4

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#86

p-Isopropyltoluene

Concen: 19.484 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012475.D

Acq: 18 Sep 2019 15:47

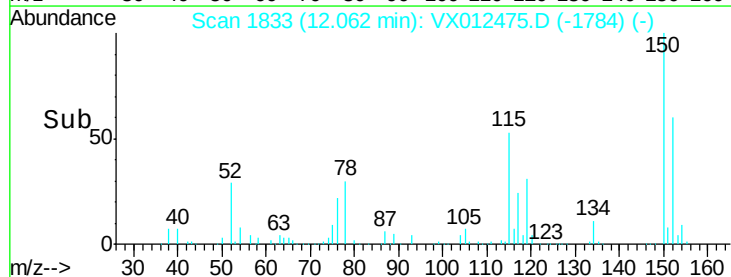
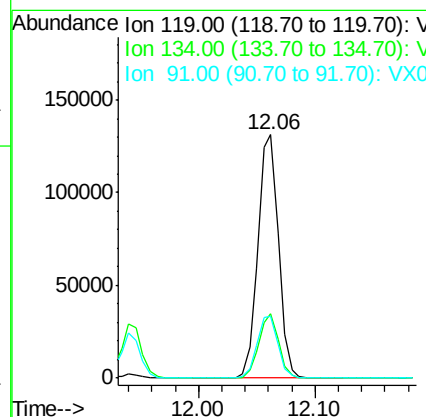
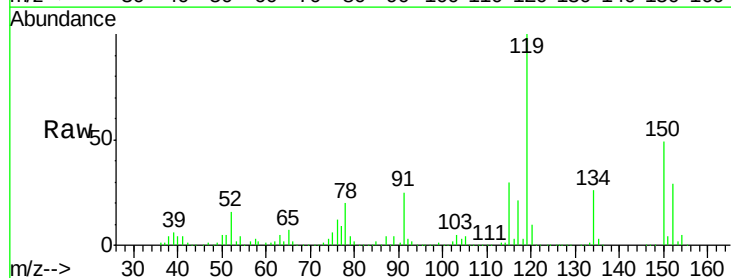
Tgt Ion:119 Resp: 162314

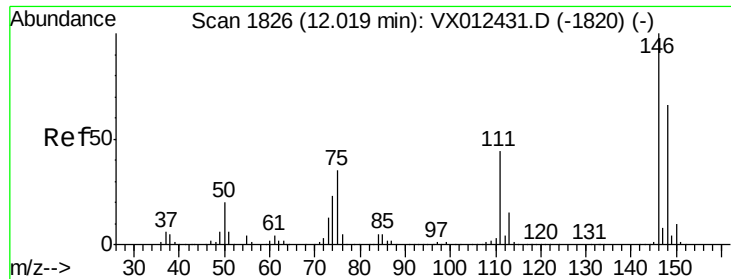
Ion Ratio Lower Upper

119 100

134 25.4 12.7 38.1

91 25.8 12.8 38.4





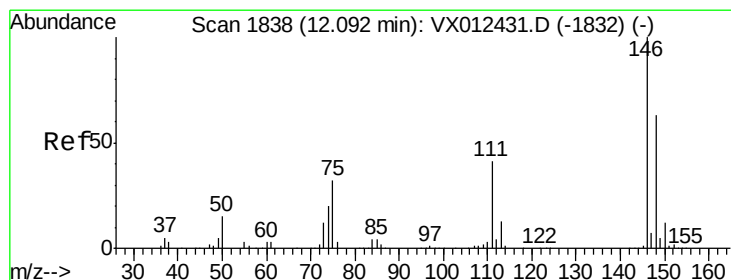
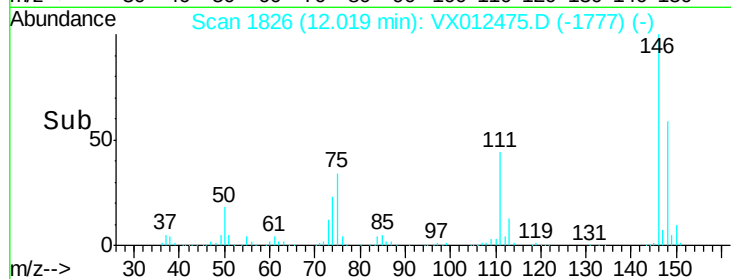
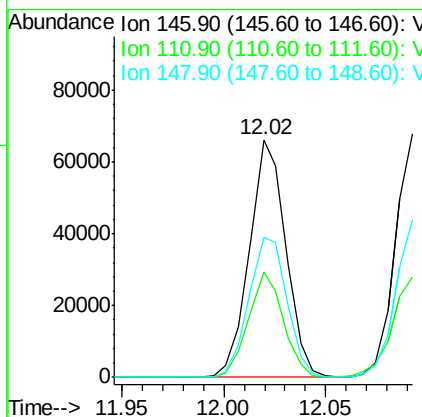
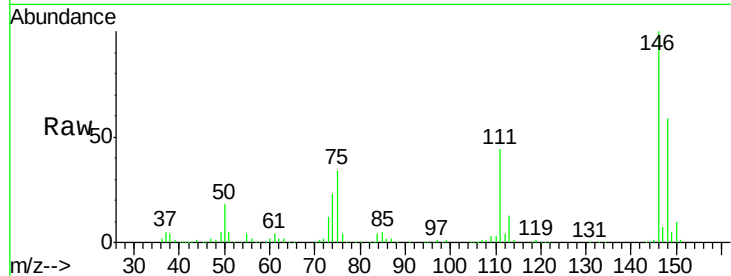
#87
 1,3-Dichlorobenzene
 Concen: 19.875 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012475.D
 Acq: 18 Sep 2019 15:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.3	64.0
148	62.0	32.4	97.2

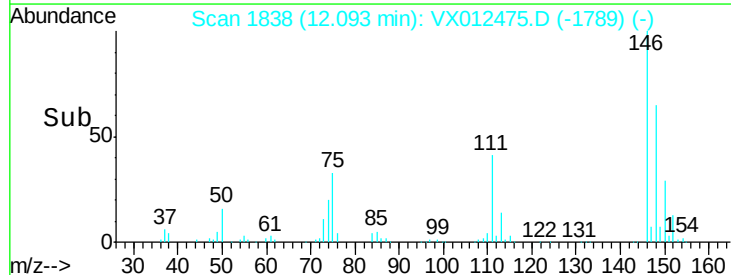
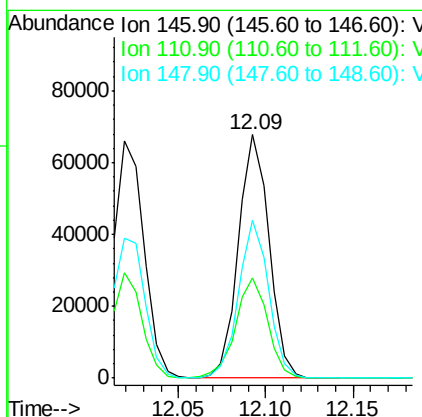
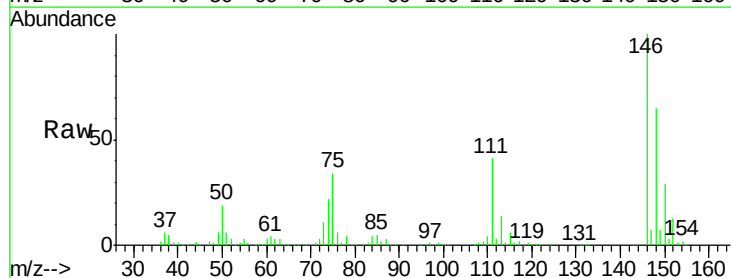
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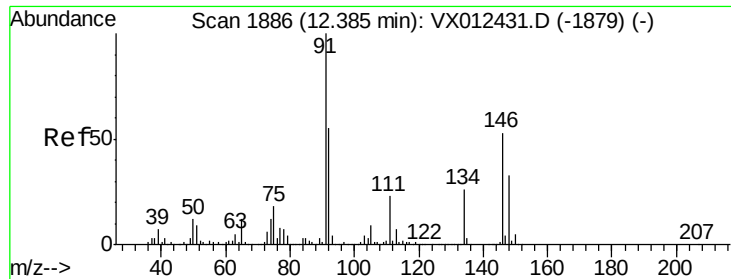
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#88
 1,4-Dichlorobenzene
 Concen: 19.444 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012475.D
 Acq: 18 Sep 2019 15:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.1	63.3
148	64.1	32.1	96.5





#89

n-Butylbenzene

Concen: 18.422 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012475.D

Acq: 18 Sep 2019 15:47

Instrument :

MSVOA_X

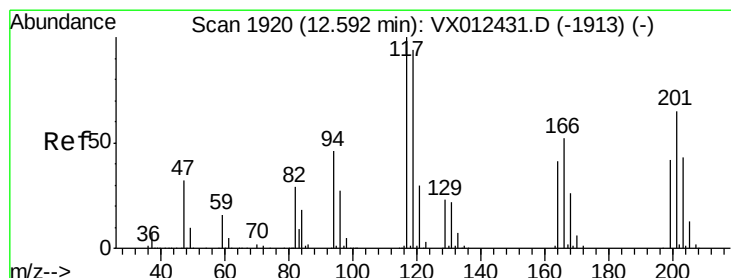
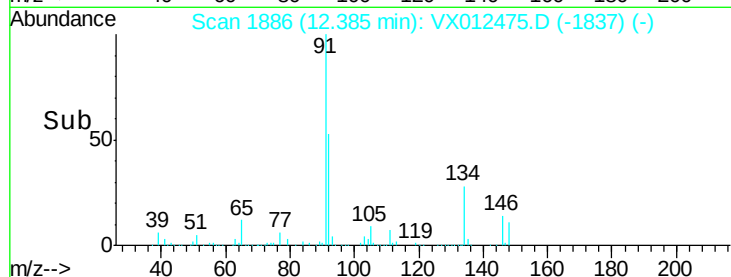
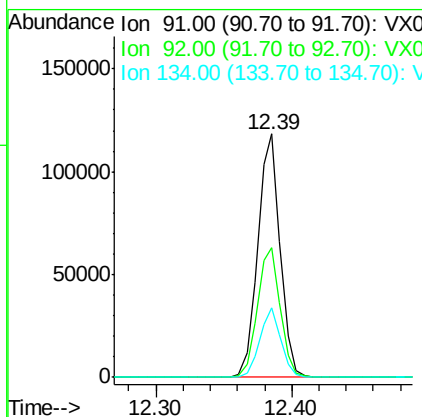
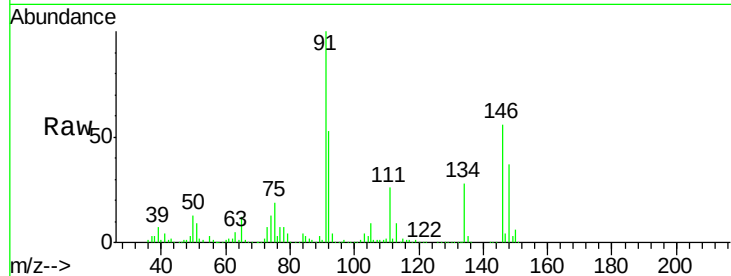
ClientSampleId :

VX0918WBSD01

Tot Ion:	91	Resp:	136926
Ion Ratio	Lower	Upper	
91	100		
92	54.6	27.7	83.0
134	27.2	12.9	38.6

Manual Integrations
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#90

Hexachloroethane

Concen: 17.769 ug/l

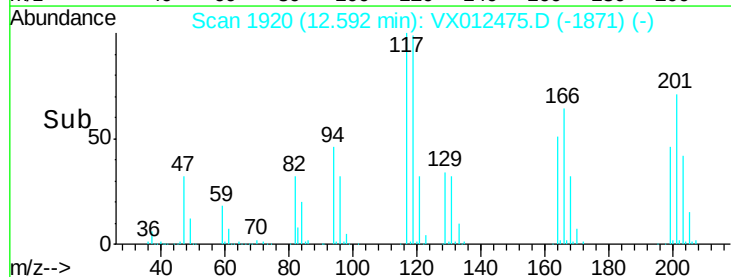
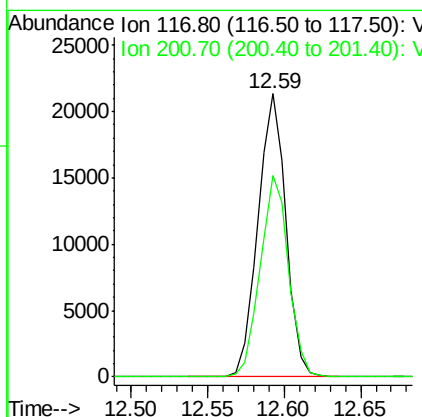
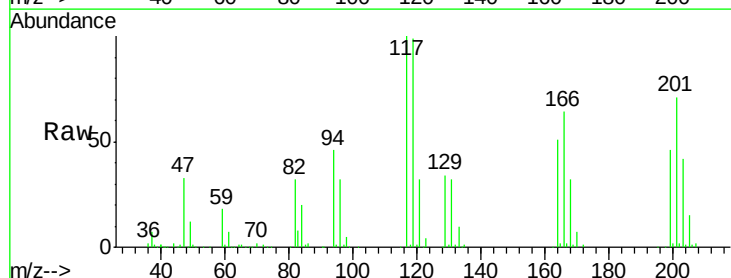
RT: 12.59 min Scan# 1920

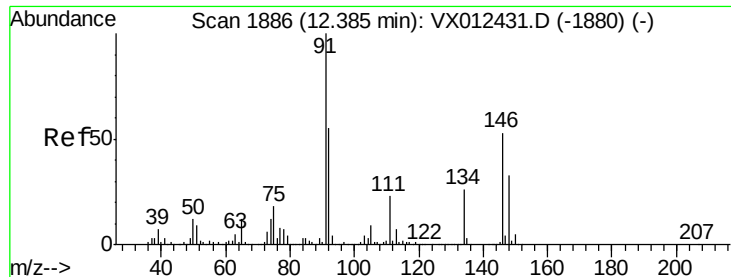
Delta R.T. 0.00 min

Lab File: VX012475.D

Acq: 18 Sep 2019 15:47

Tgt Ion:	117	Resp:	27141
Ion Ratio	Lower	Upper	
117	100		
201	72.5	33.3	99.8





#91

1,2-Dichlorobenzene

Concen: 19.569 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012475.D

Acq: 18 Sep 2019 15:47

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tot Ion:146 Resp: 84534

Ion Ratio Lower Upper

146 100

111 45.4 22.1 66.1

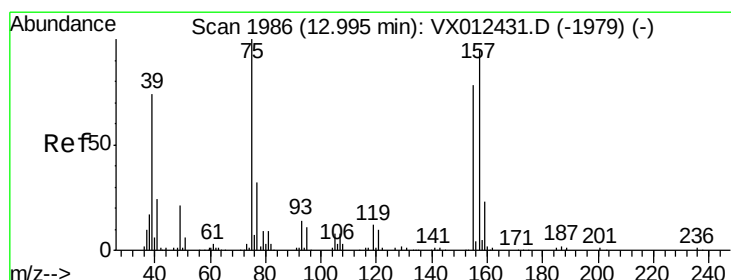
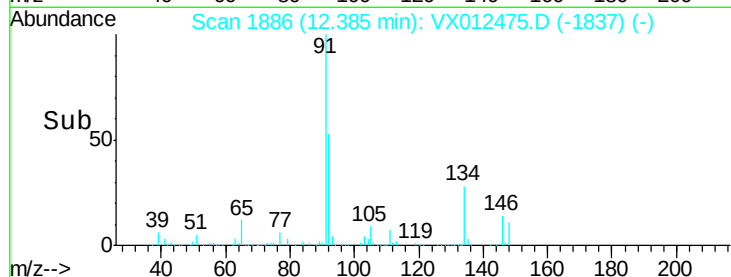
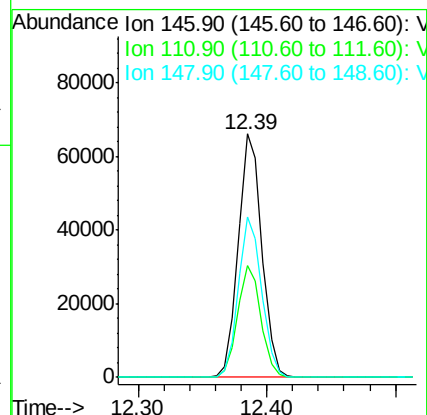
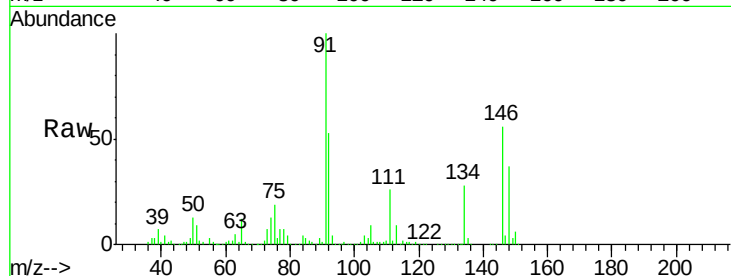
148 65.3 31.3 93.9

Manual Integrations

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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.725 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VX012475.D

Acq: 18 Sep 2019 15:47

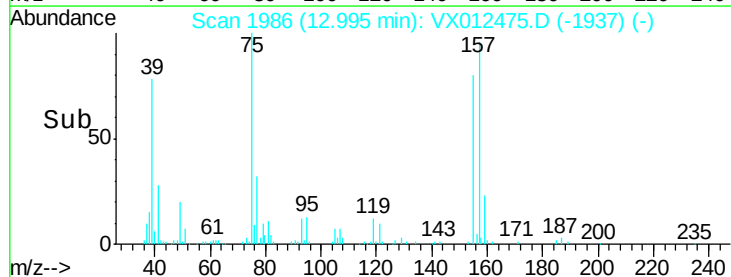
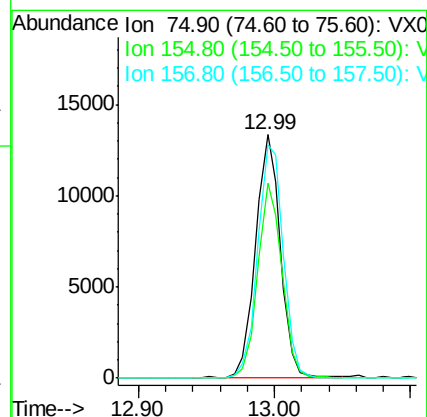
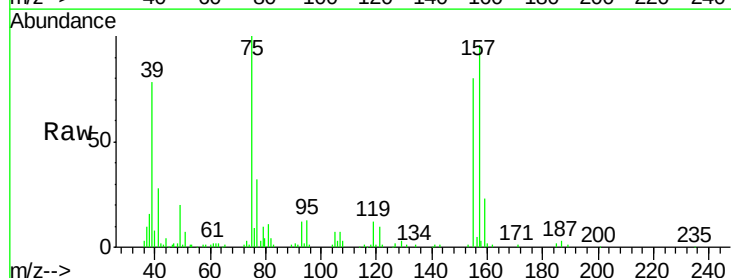
Tgt Ion: 75 Resp: 17156

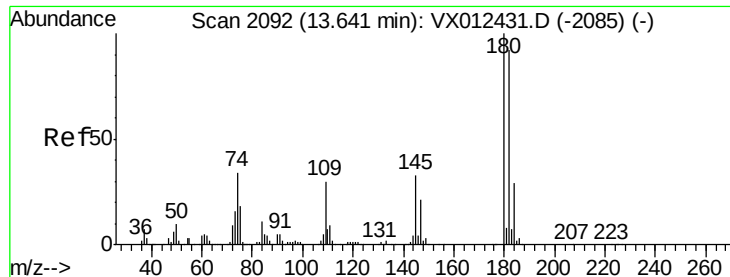
Ion Ratio Lower Upper

75 100

155 78.1 38.6 115.8

157 98.4 50.6 151.9





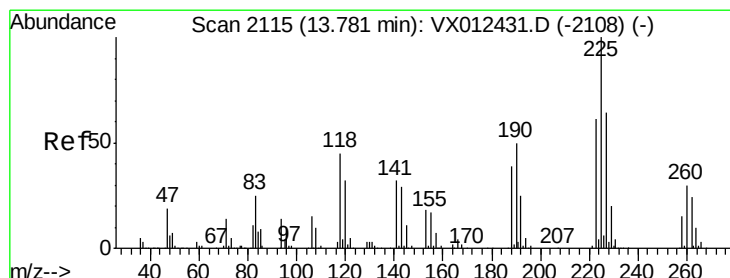
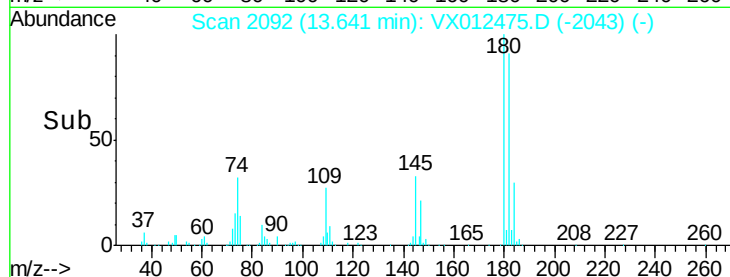
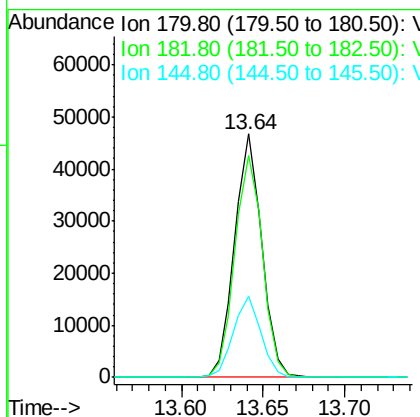
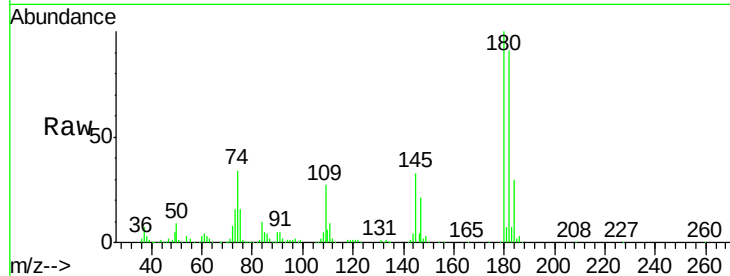
#93
 1,2,4-Trichlorobenzene
 Concen: 19.508 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012475.D
 Acq: 18 Sep 2019 15:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	54280		
182	92.8		47.0	141.0
145	33.6		16.8	50.4

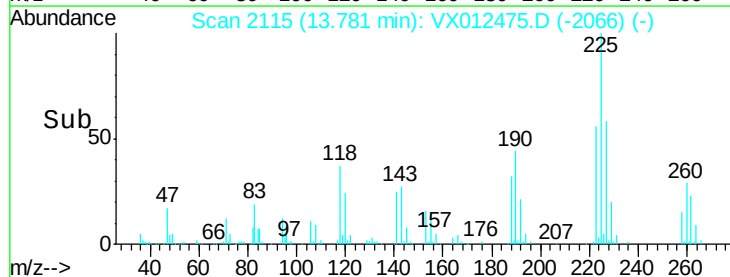
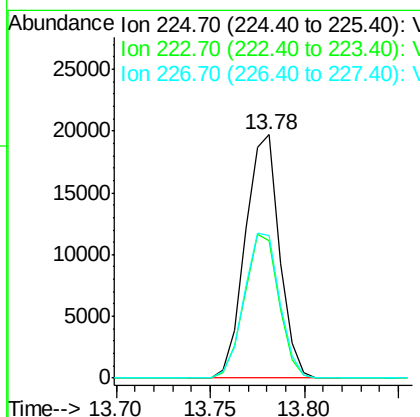
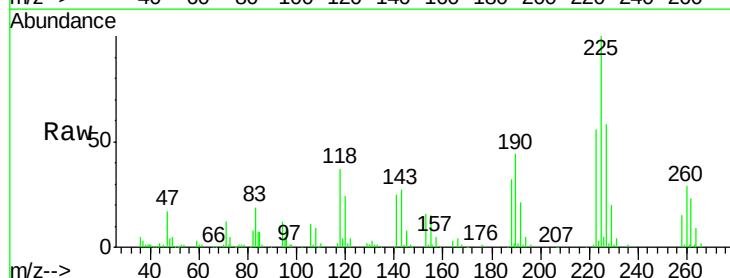
Manual Integrations
 APPROVED

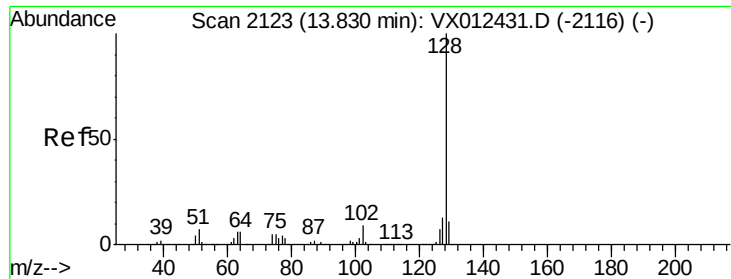
MMDadoda
 9/19/2019 1:04:35 PM



#94
 Hexachlorobutadiene
 Concen: 18.863 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VX012475.D
 Acq: 18 Sep 2019 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	24737		
223	59.6		32.0	96.2
227	61.7		31.9	95.5





#95

Naphthalene

Concen: 20.325 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX012475.D

Acq: 18 Sep 2019 15:47

Instrument :

MSVOA_X

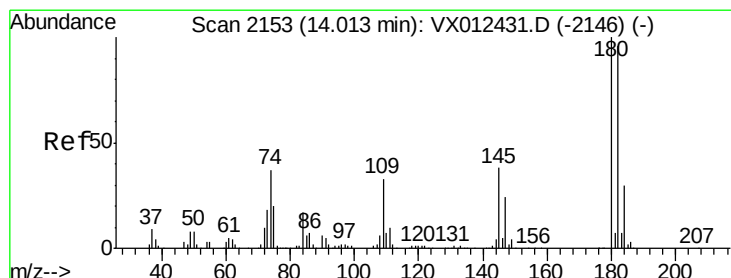
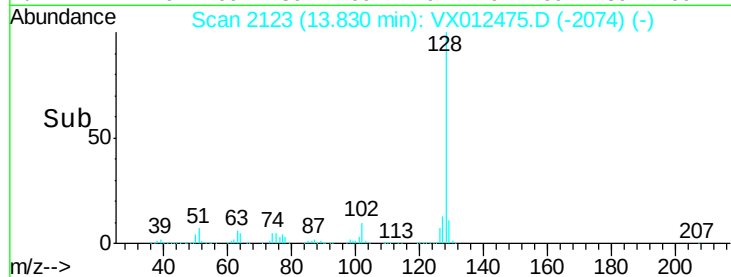
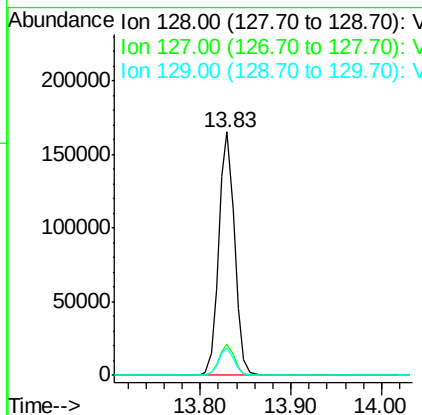
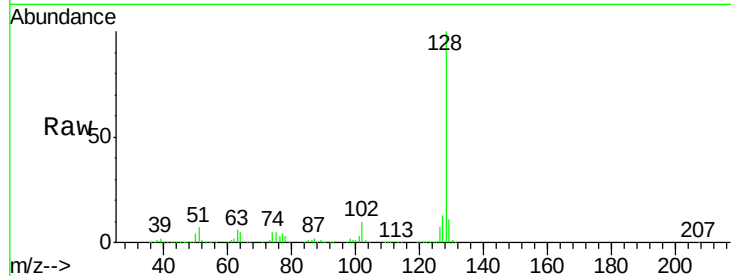
ClientSampleId :

VX0918WBSD01

Tot Ion:	128	Resp:	201225
Ion Ratio		Lower	Upper
128	100		
127	12.5	10.2	15.4
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/19/2019 1:04:35 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.816 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX012475.D

Acq: 18 Sep 2019 15:47

Tgt Ion:	180	Resp:	56185
Ion Ratio		Lower	Upper
180	100		
182	95.5	47.1	141.3
145	35.3	18.0	54.0

