

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091919\
 Data File : VX012539.D
 Acq On : 19 Sep 2019 19:27
 Operator : JC/SP
 Sample : K4887-02MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z2-0157MS

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 10:45:49 AM

Quant Time: Sep 20 06:58:30 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	183455	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	314057	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	287449	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	137313	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	125609	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	
35) Dibromofluoromethane	5.49	113	89812	47.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.50%	
50) Toluene-d8	8.71	98	335859	47.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.48%	
62) 4-Bromofluorobenzene	11.13	95	137382	47.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	57416	46.934	ug/l	95
3) Chloromethane	1.32	50	52168	51.724	ug/l	98
4) Vinyl Chloride	1.40	62	55269	50.701	ug/l	95
5) Bromomethane	1.63	94	19638	45.854	ug/l	96
6) Chloroethane	1.71	64	38522	45.158	ug/l	99
7) Trichlorofluoromethane	1.92	101	103555	51.821	ug/l	97
8) Diethyl Ether	2.18	74	45056	49.919	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	71100	49.176	ug/l	99
10) Methyl Iodide	2.50	142	59153	47.882	ug/l	97
11) Tert butyl alcohol	3.04	59	143625	214.574	ug/l	98
12) 1,1-Dichloroethene	2.36	96	59008	51.160	ug/l	96
13) Acrolein	2.28	56	57846	250.554	ug/l	99
14) Allyl chloride	2.72	41	134346	50.031	ug/l	100
15) Acrylonitrile	3.13	53	296642	260.357	ug/l	98
16) Acetone	2.44	43	270054	223.958	ug/l	99
17) Carbon Disulfide	2.56	76	70394	43.403	ug/l	99
18) Methyl Acetate	2.77	43	124899	45.587	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	319862	50.863	ug/l	92
20) Methylene Chloride	2.84	84	79343	49.862	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	60738	50.711	ug/l	95
22) Diisopropyl ether	3.84	45	320428	50.964	ug/l	99
23) Vinyl Acetate	3.80	43	1226624	237.166	ug/l	100
24) 1,1-Dichloroethane	3.69	63	156039	51.870	ug/l	99
25) 2-Butanone	4.66	43	429433	235.456	ug/l	97
26) 2,2-Dichloropropane	4.57	77	120075	40.586	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	93962	52.516	ug/l	97
28) Bromochloromethane	5.00	49	79605	51.329	ug/l	99
29) Tetrahydrofuran	5.12	42	263991	262.011	ug/l	99
30) Chloroform	5.20	83	169585	49.086	ug/l	99
31) Cyclohexane	5.57	56	275929	151.947	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	144321	49.980	ug/l	99
36) 1,1-Dichloropropene	5.79	75	91499	47.938	ug/l	96
37) Ethyl Acetate	4.83	43	140183	47.847	ug/l	99
38) Carbon Tetrachloride	5.78	117	116625	49.128	ug/l	99

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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	274965	148.189	ug/l	99
40) Benzene	6.13	78	308722	50.864	ug/l	98
41) Methacrylonitrile	5.03	41	95224	50.476	ug/l	98
42) 1,2-Dichloroethane	6.19	62	140727	49.989	ug/l	100
43) Isopropyl Acetate	6.44	43	253294	48.168	ug/l	100
44) Trichloroethene	7.20	130	81998	51.357	ug/l	92
45) 1,2-Dichloropropane	7.51	63	94635	50.750	ug/l	99
46) Dibromomethane	7.65	93	60974	50.529	ug/l	99
47) Bromodichloromethane	7.89	83	134208	49.950	ug/l	99
48) Methyl methacrylate	7.76	41	132691	53.530	ug/l	95
49) 1,4-Dioxane	7.73	88	52004	861.994	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	877914	254.579	ug/l	100
52) Toluene	8.78	92	200880	51.362	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	139485	49.942	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	143773	49.723	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	98699	48.984	ug/l	98
56) Ethyl methacrylate	9.17	69	166023	52.700	ug/l	98
57) 1,3-Dichloropropane	9.37	76	165732	51.552	ug/l	100
59) 2-Hexanone	9.49	43	664807	247.104	ug/l	99
60) Dibromochloromethane	9.58	129	105031	51.174	ug/l	98
61) 1,2-Dibromoethane	9.67	107	95828	52.073	ug/l	99
64) Tetrachloroethene	9.33	164	76995	58.454	ug/l	93
65) Chlorobenzene	10.14	112	233909	49.303	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	99934	50.753	ug/l	98
67) Ethyl Benzene	10.25	91	721712	88.542	ug/l	98
68) m/p-Xylenes	10.36	106	941741	317.538	ug/l	99
69) o-Xylene	10.70	106	156676	51.369	ug/l	99
70) Stvrene	10.71	104	278623	51.631	ug/l	99
71) Bromoform	10.86	173	75902	45.071	ug/l #	100
73) Isopropylbenzene	11.01	105	799646	92.814	ug/l	100
74) N-amyl acetate	10.89	43	215418	46.441	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	167924	49.686	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	161119m	51.081	ug/l	
77) Bromobenzene	11.25	156	106354	50.616	ug/l	99
78) n-propylbenzene	11.35	91	852135	88.742	ug/l	100
79) 2-Chlorotoluene	11.42	91	408056m	65.321	ug/l	
80) 1,3,5-Trimethylbenzene	11.50	105	886873	120.701	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	48699	42.858	ug/l	97
82) 4-Chlorotoluene	11.51	91	411356	57.375	ug/l	92
83) tert-Butylbenzene	11.77	119	384318	48.812	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	1915422	253.886	ug/l	99
85) sec-Butylbenzene	11.94	105	469215	54.083	ug/l	99
86) p-Isopropyltoluene	12.06	119	424318	53.262	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	197155	49.881	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	201969	49.745	ug/l	99
89) n-Butylbenzene	12.39	91	366083	51.502	ug/l	95
90) Hexachloroethane	12.59	117	80595	55.173	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	208054	50.363	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	46560	53.139	ug/l	96
93) 1,2,4-Trichlorobenzene	13.64	180	138359	51.997	ug/l	99

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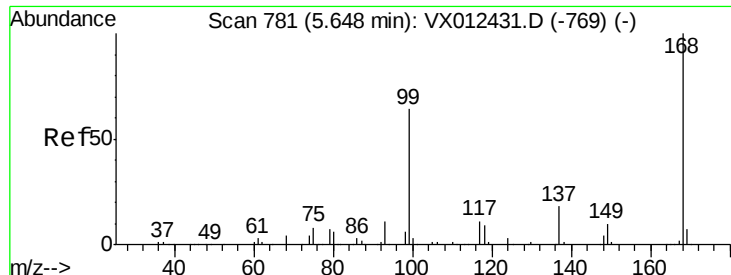
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	55035	43.883	ug/l	98
95) Naphthalene	13.83	128	735352	77.667	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	140883	51.957	ug/l	97

(#) = 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: VX012539.D

Acq: 19 Sep 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

Z2-0157MS

Tot Ion:168 Resp: 183455

Ion Ratio Lower Upper

168 100

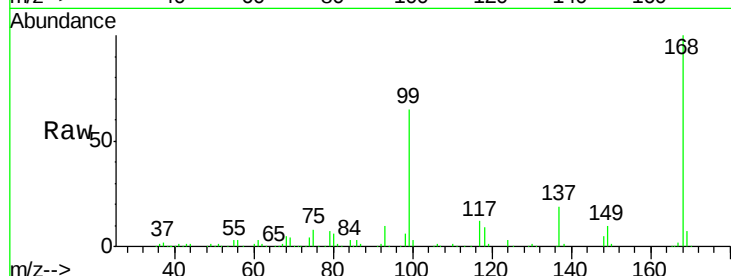
99 64.9 51.4 77.2

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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

60000

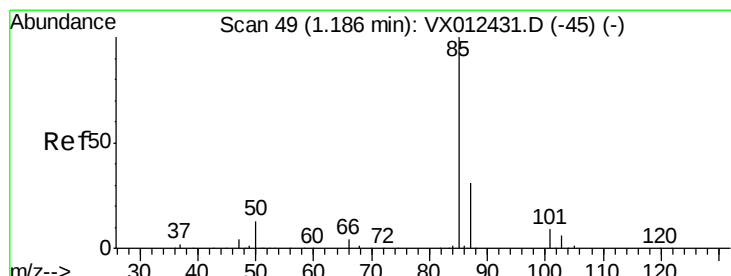
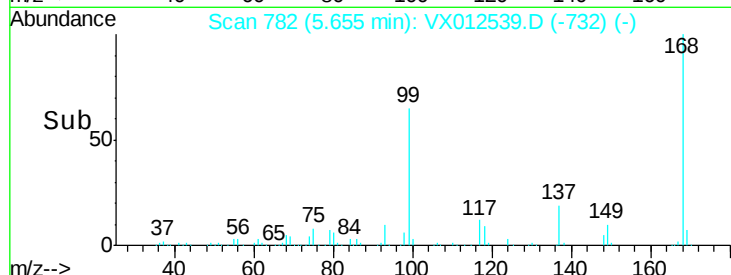
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 46.934 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012539.D

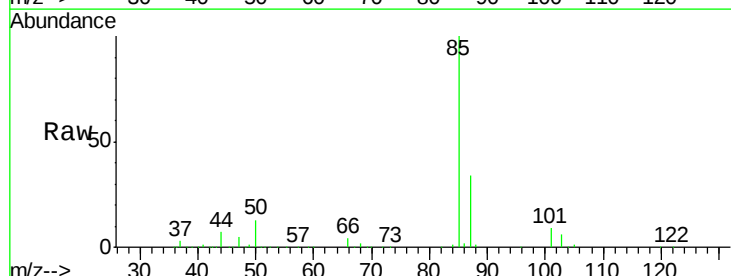
Acq: 19 Sep 2019 19:27

Tgt Ion: 85 Resp: 57416

Ion Ratio Lower Upper

85 100

87 34.1 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

60000

50000

40000

30000

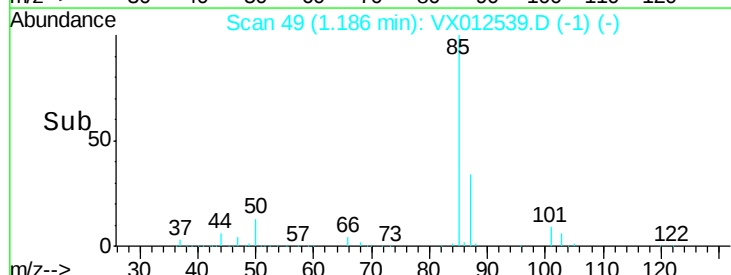
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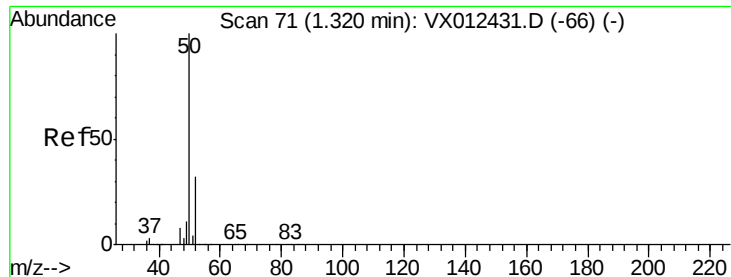
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0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 51.724 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012539.D

Acq: 19 Sep 2019 19:27

Instrument :

MSVOA_X

ClientSampled :

Z2-0157MS

Tot Ion: 50 Resp: 52168

Ion Ratio Lower Upper

50 100

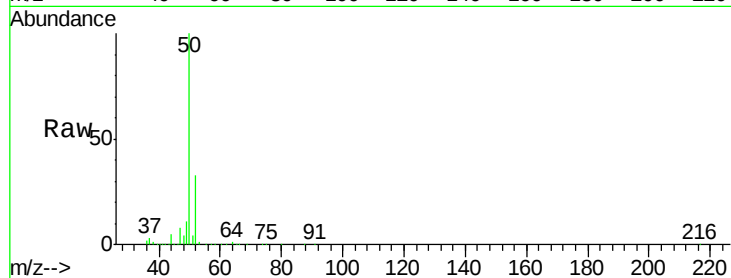
52 33.3 25.7 38.5

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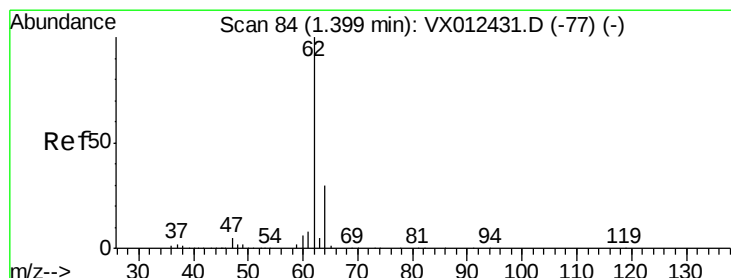
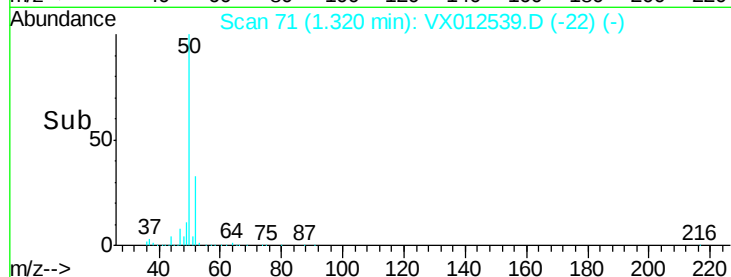
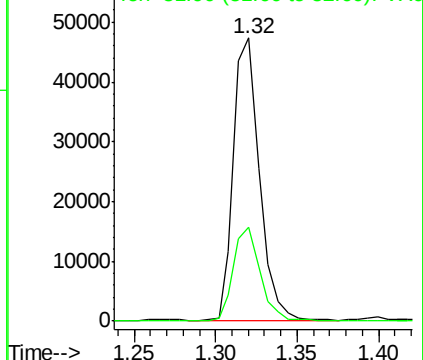
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 50.701 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012539.D

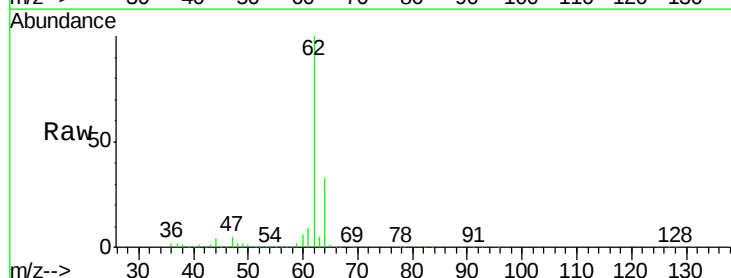
Acq: 19 Sep 2019 19:27

Tgt Ion: 62 Resp: 55269

Ion Ratio Lower Upper

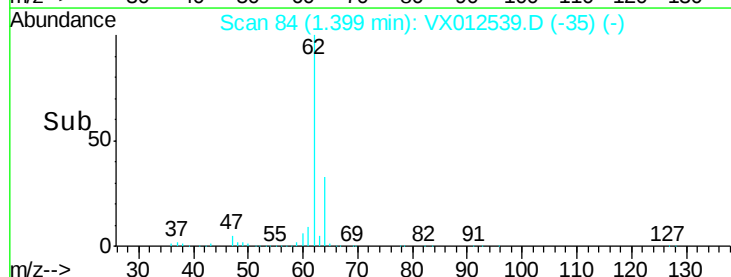
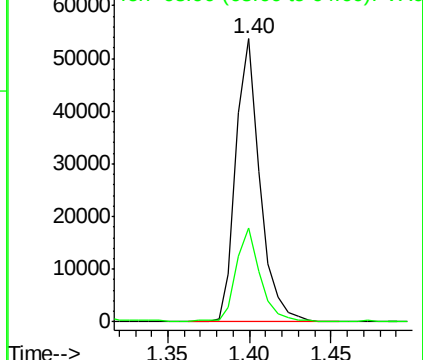
62 100

64 33.1 24.2 36.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 45.854 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012539.D

Acq: 19 Sep 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

Z2-0157MS

Tot Ion: 94 Resp: 19638

Ion Ratio Lower Upper

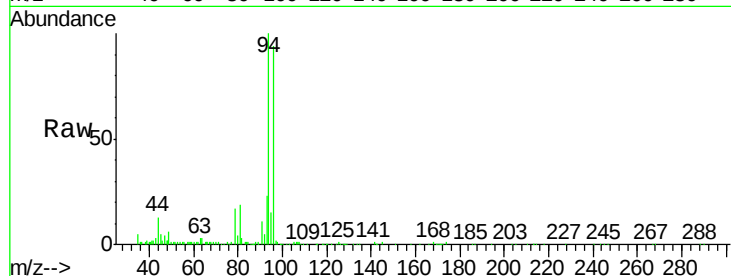
94 100

96 94.7 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

20000

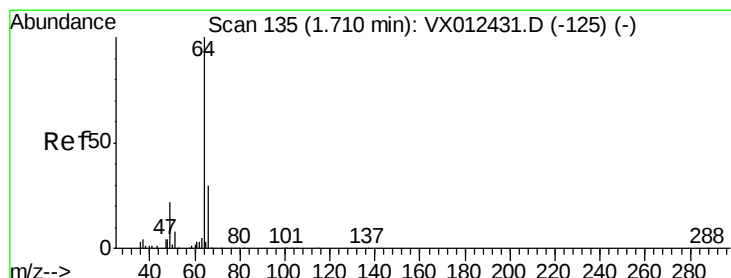
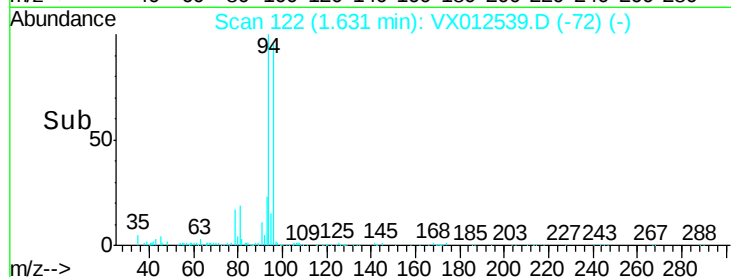
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 45.158 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX012539.D

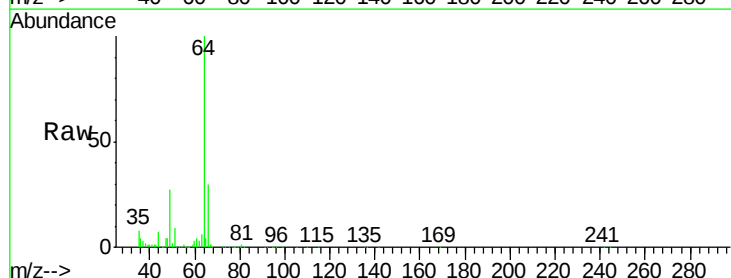
Acq: 19 Sep 2019 19:27

Tgt Ion: 64 Resp: 38522

Ion Ratio Lower Upper

64 100

66 30.5 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

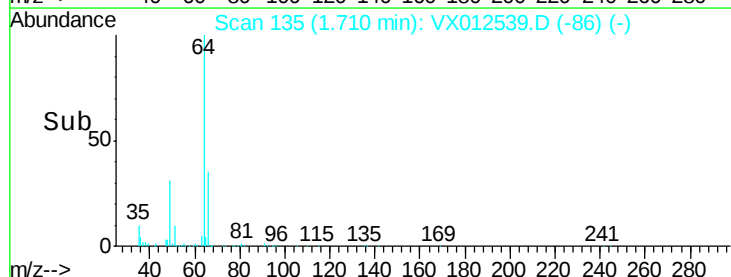
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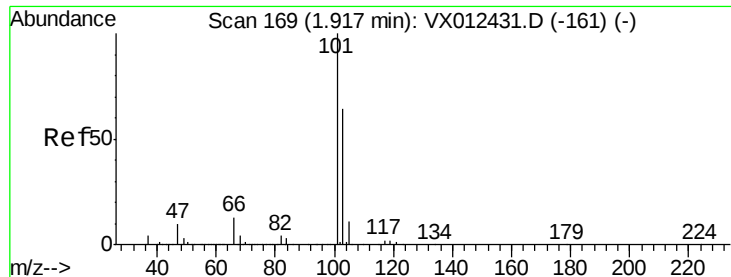
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0

Time-->





#7

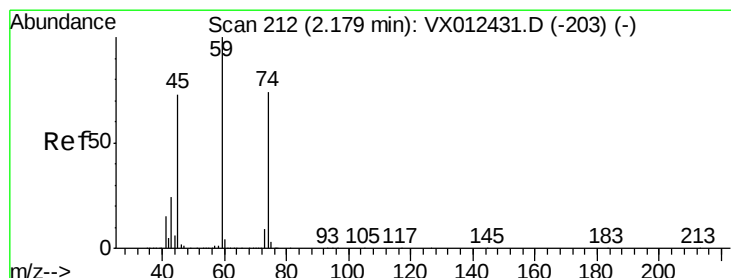
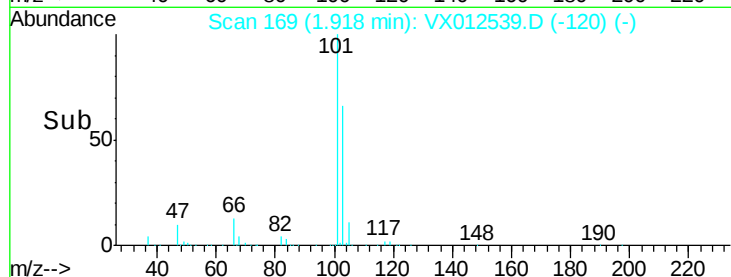
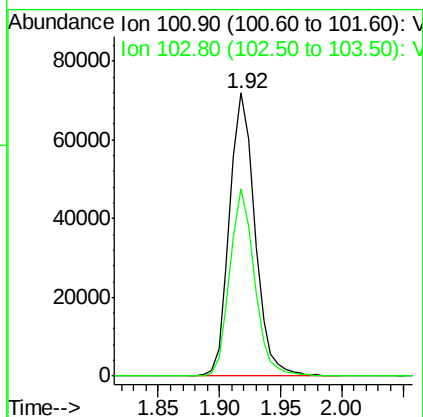
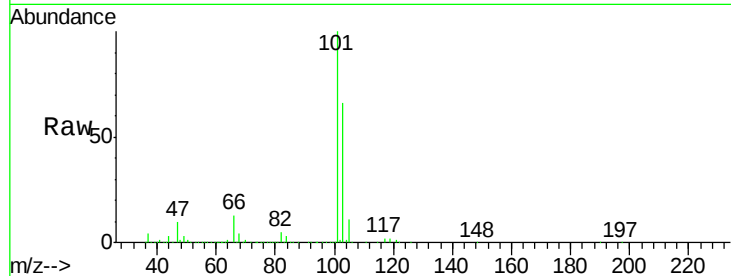
Trichlorofluoromethane
Concen: 51.821 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX012539.D
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ClientSampleId :
Z2-0157MS

Tot Ion	Ratio	Resp	Lower	Upper
101	100	103555		
103	66.1	51.0	76.4	

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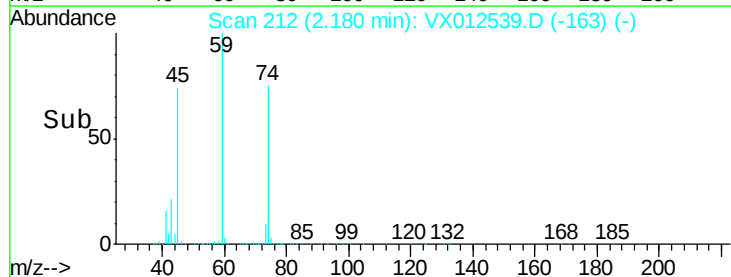
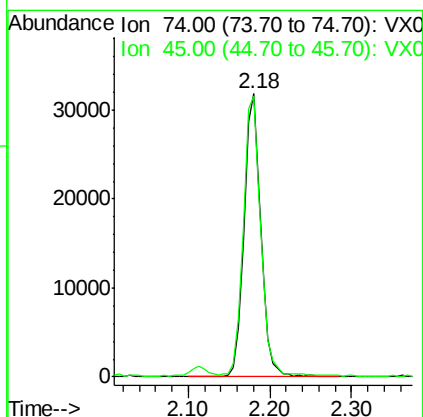
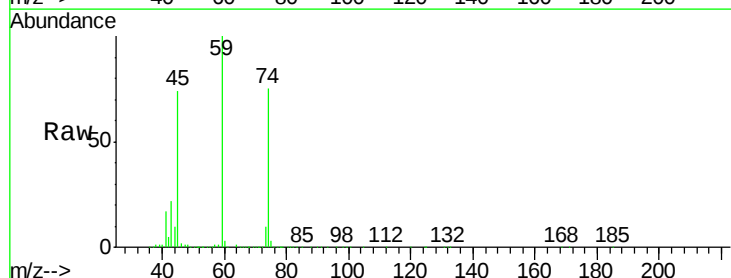
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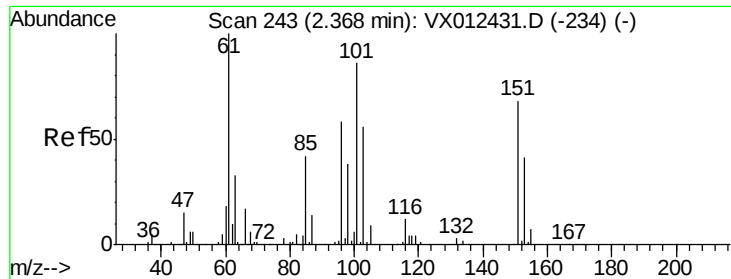


#8

Diethyl Ether
Concen: 49.919 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX012539.D
Acq: 19 Sep 2019 19:27

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	45056		
45	101.4	49.9	149.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.176 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX012539.D

Acq: 19 Sep 2019 19:27

Instrument :

MSVOA_X

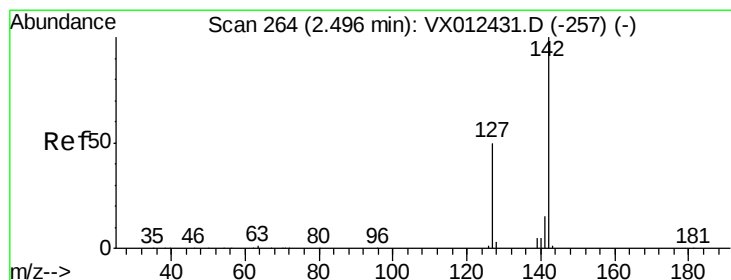
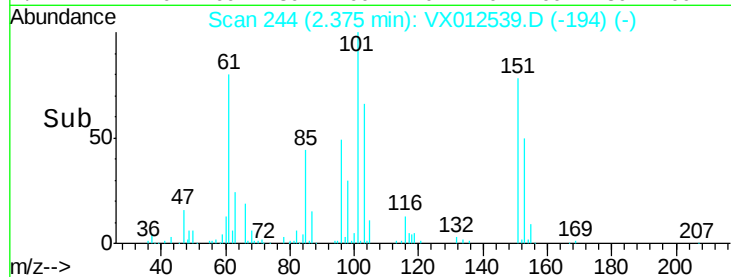
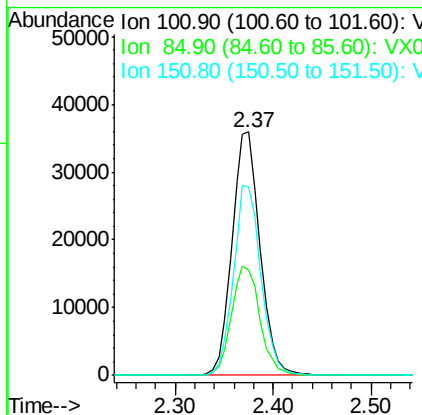
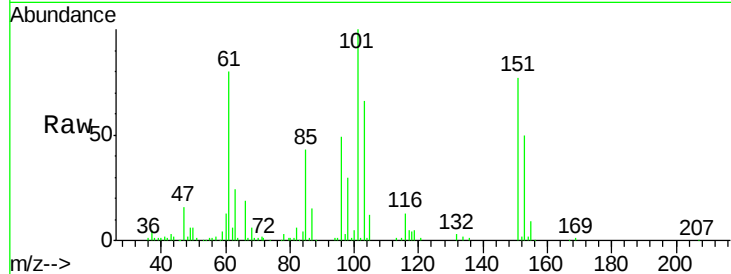
ClientSampleId :

Z2-0157MS

Tot Ion:	101	Resp:	71100
Ion Ratio	Lower	Upper	
101	100		
85	45.6	37.3	55.9
151	76.9	61.0	91.4

Manual Integrations
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9/20/2019 10:45:49 AM



#10

Methyl Iodide

Concen: 47.882 ug/l

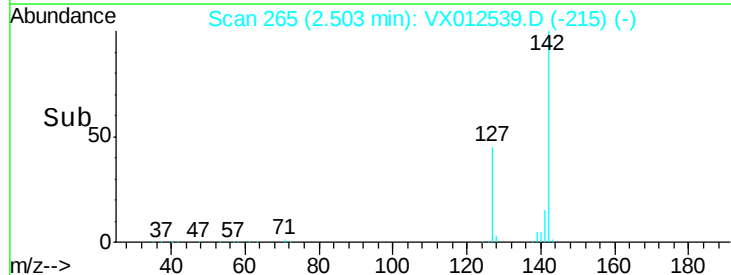
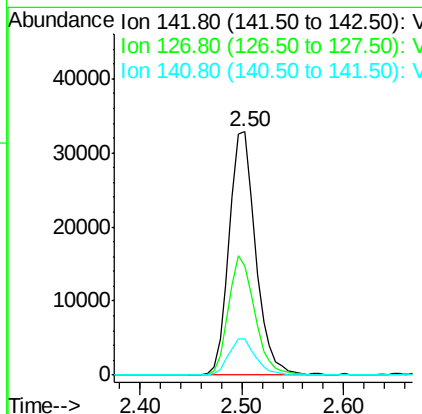
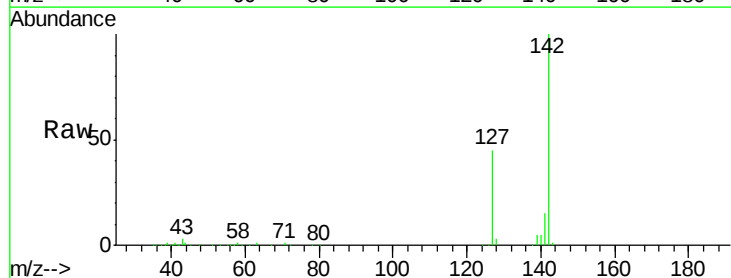
RT: 2.50 min Scan# 265

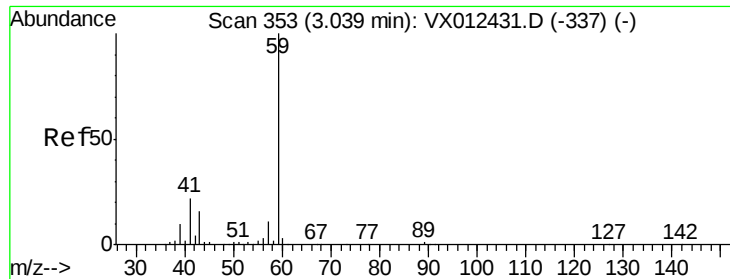
Delta R.T. 0.01 min

Lab File: VX012539.D

Acq: 19 Sep 2019 19:27

Tgt Ion:	142	Resp:	59153
Ion Ratio	Lower	Upper	
142	100		
127	48.1	40.8	61.2
141	14.8	12.1	18.1





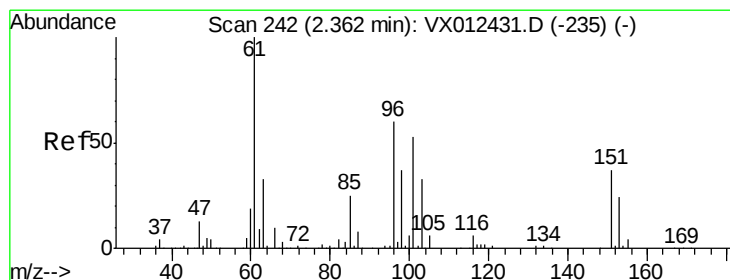
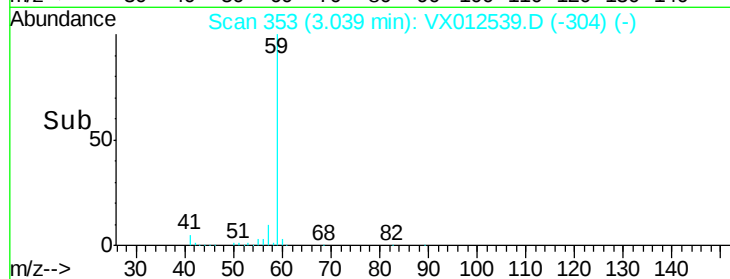
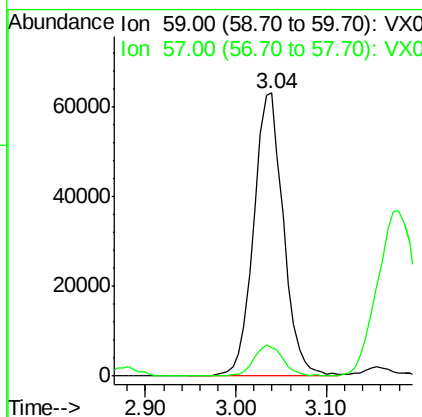
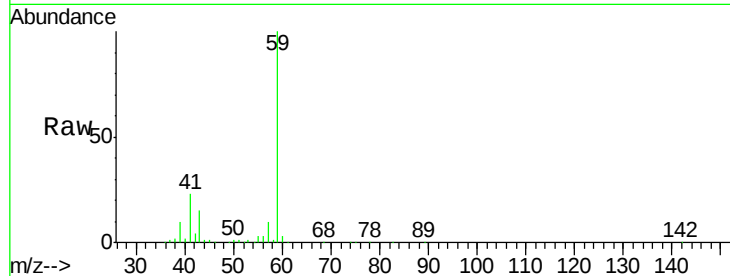
#11
Tert butyl alcohol
Concen: 214.574 ug/l
RT: 3.04 min Scan# 353
Delta R.T. 0.00 min
Lab File: VX012539.D
Acq: 19 Sep 2019 19:27

Instrument :
MSVOA_X
ClientSampleId :
Z2-0157MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.3	12.5

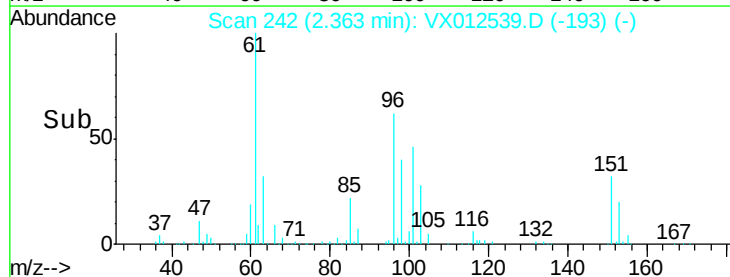
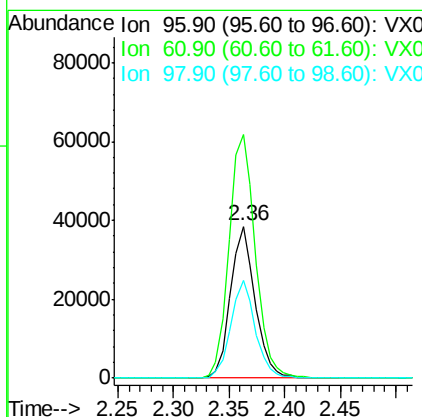
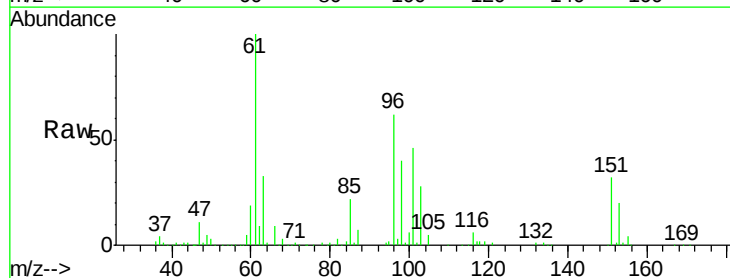
Manual Integrations
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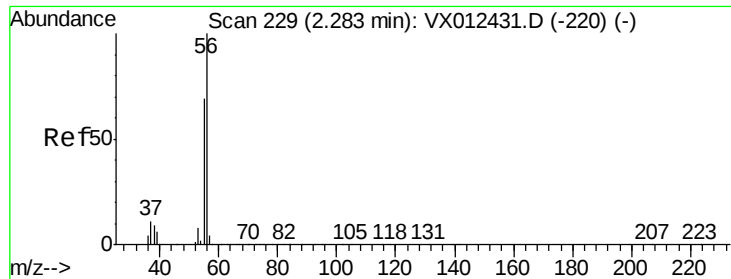
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#12
1,1-Dichloroethene
Concen: 51.160 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX012539.D
Acq: 19 Sep 2019 19:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.6	133.8	200.6
98	64.7	49.9	74.9





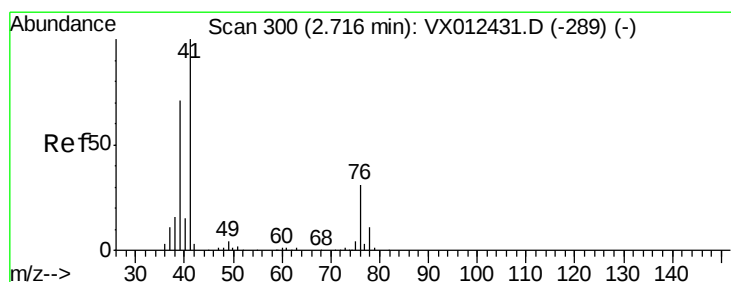
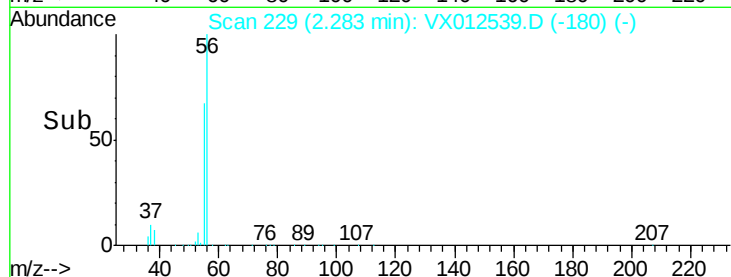
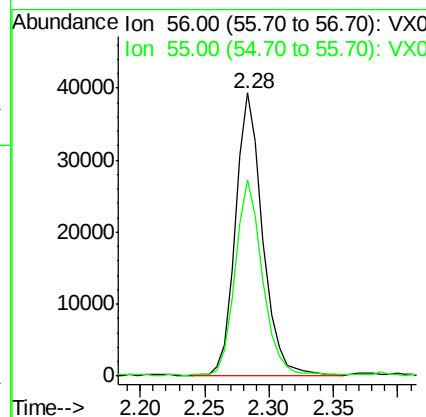
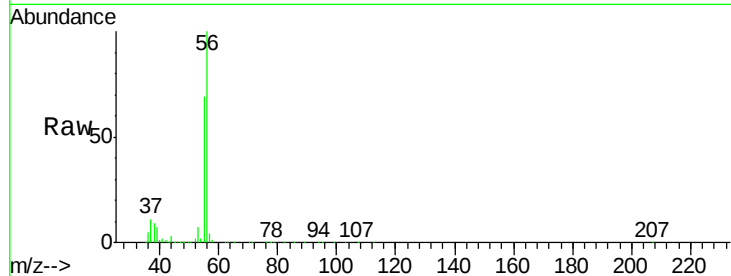
#13
Acrolein
Concen: 250.554 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX012539.D
Acq: 19 Sep 2019 19:27

Instrument :
MSVOA_X
ClientSampleId :
Z2-0157MS

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.2	55.8	83.8

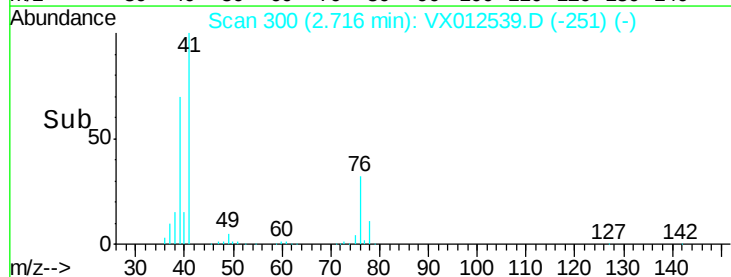
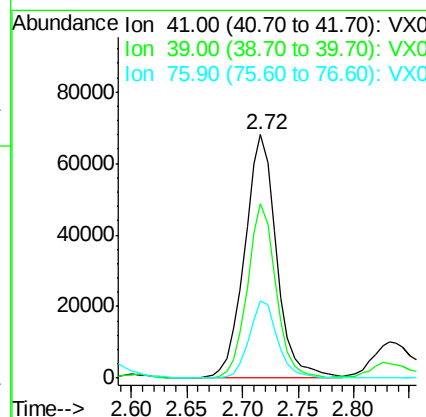
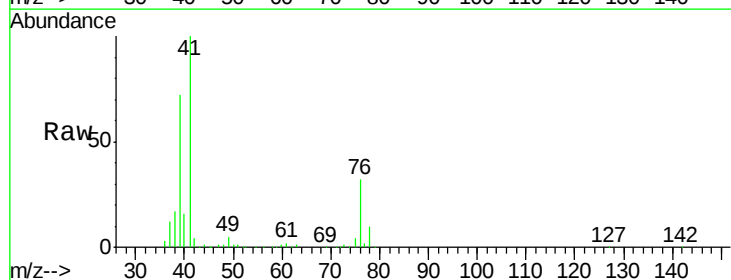
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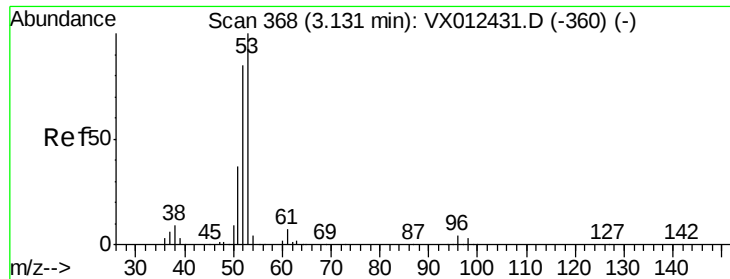
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#14
Allyl chloride
Concen: 50.031 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX012539.D
Acq: 19 Sep 2019 19:27

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.2	51.3	76.9
76	28.0	22.6	33.8





#15

Acrylonitrile

Concen: 260.357 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012539.D

Acq: 19 Sep 2019 19:27

Instrument :

MSVOA_X

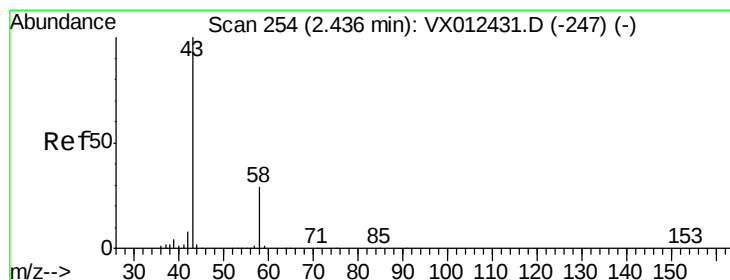
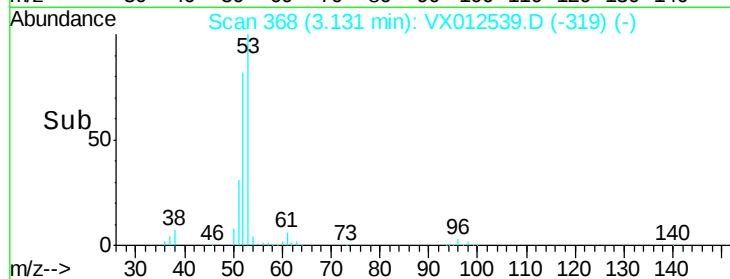
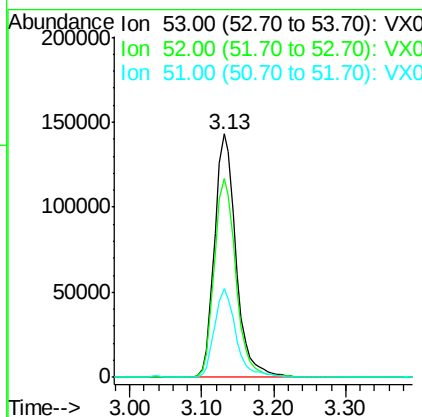
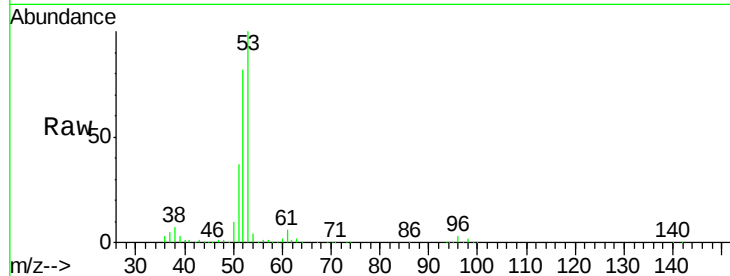
ClientSampleId :

Z2-0157MS

Tot Ion:	53	Resp:	296642
Ion Ratio	Lower	Upper	
53	100		
52	81.7	67.0	100.4
51	36.7	29.6	44.4

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#16

Acetone

Concen: 223.958 ug/l

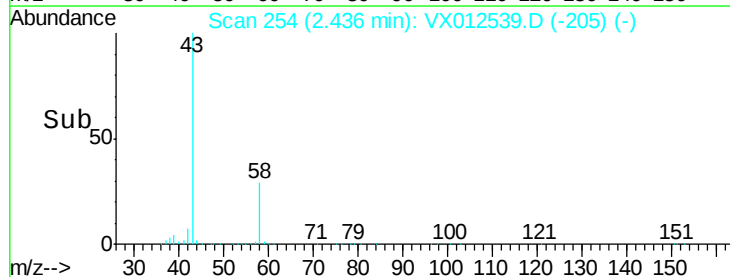
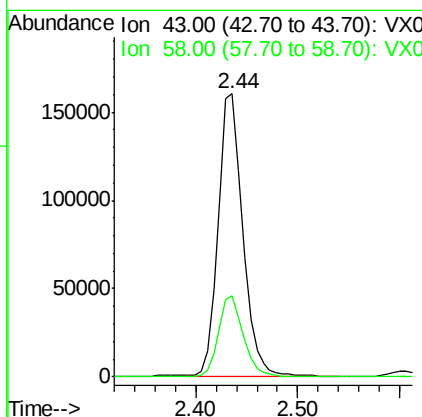
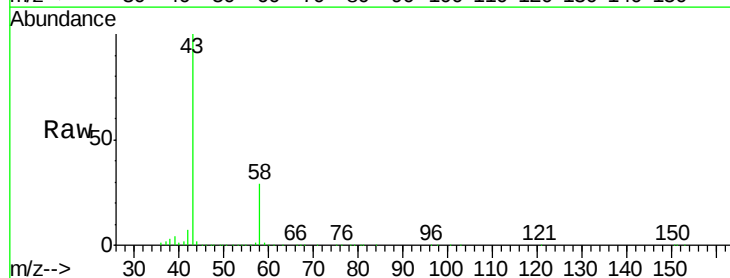
RT: 2.44 min Scan# 254

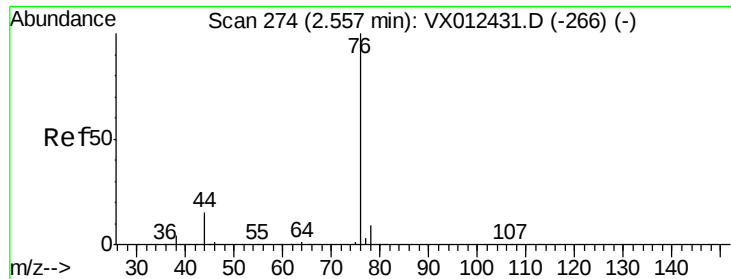
Delta R.T. 0.00 min

Lab File: VX012539.D

Acq: 19 Sep 2019 19:27

Tgt Ion:	43	Resp:	270054
Ion Ratio	Lower	Upper	
43	100		
58	28.6	23.3	34.9





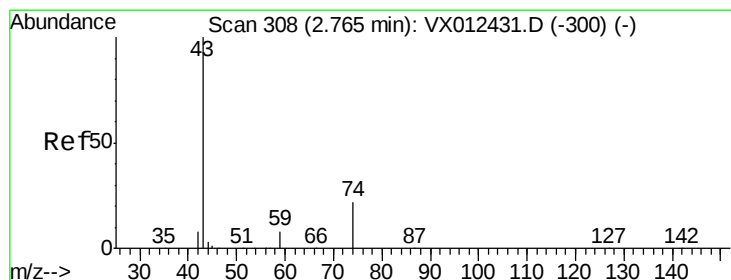
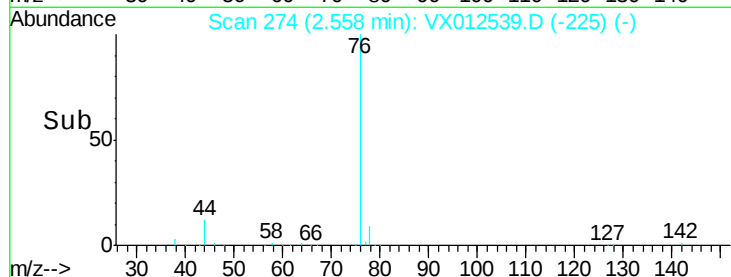
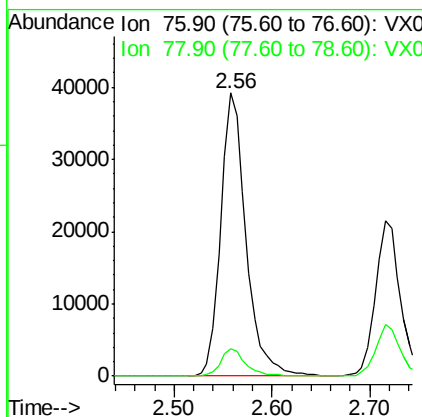
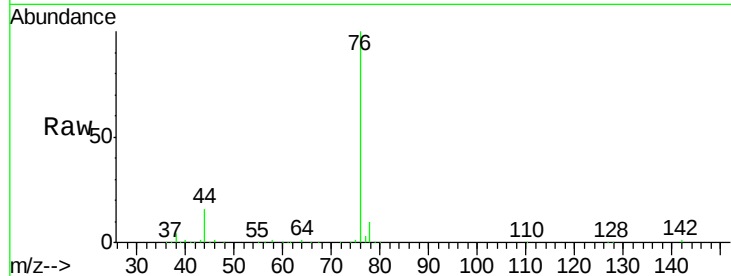
#17
Carbon Disulfide
Concen: 43.403 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX012539.D
Acq: 19 Sep 2019 19:27

Instrument :
MSVOA_X
ClientSampleId :
Z2-0157MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.3	10.9

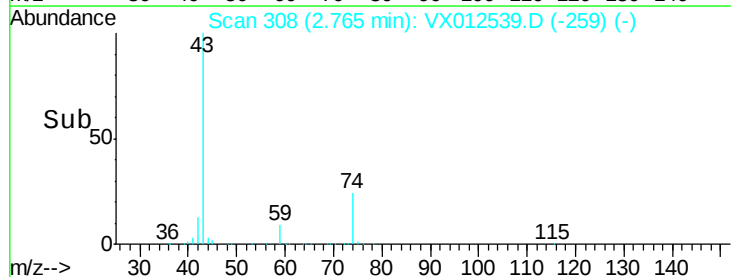
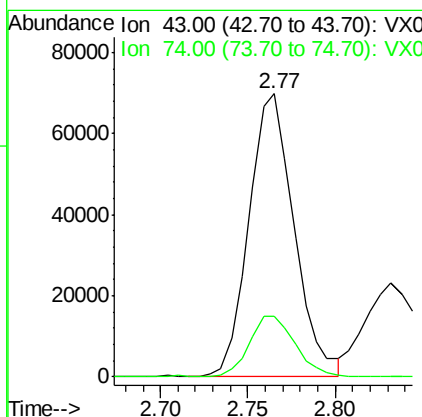
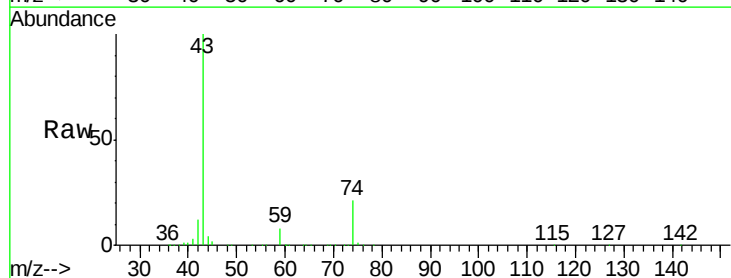
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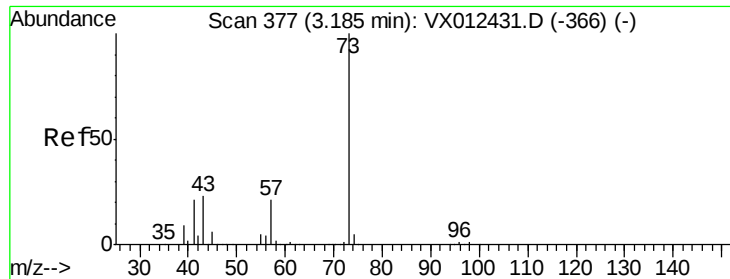
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#18
Methyl Acetate
Concen: 45.587 ug/l
RT: 2.77 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX012539.D
Acq: 19 Sep 2019 19:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.4	17.7	26.5





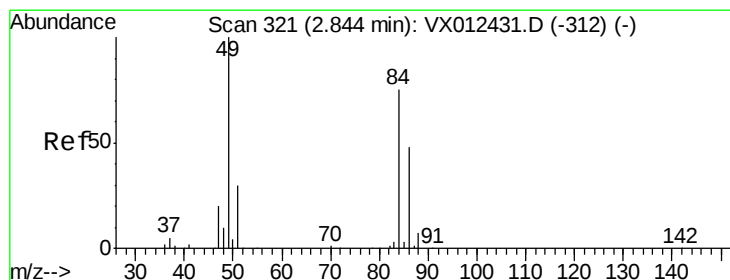
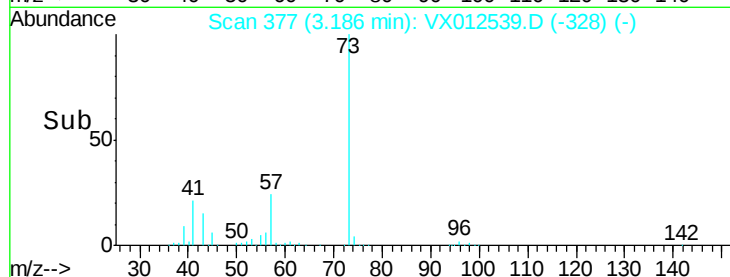
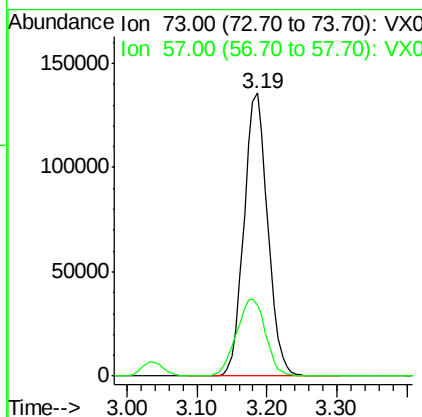
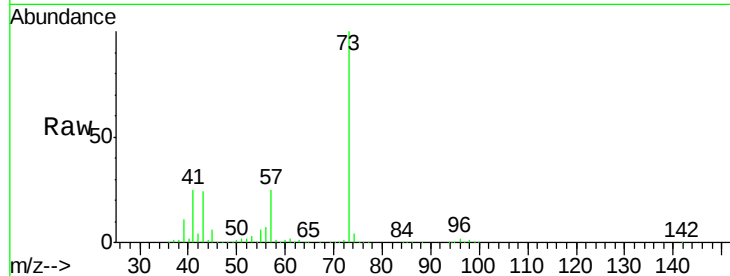
#19
Methyl tert-butyl Ether
Concen: 50.863 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX012539.D
Acq: 19 Sep 2019 19:27

Instrument :
MSVOA_X
ClientSampleId :
Z2-0157MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	25.0	16.8	25.2

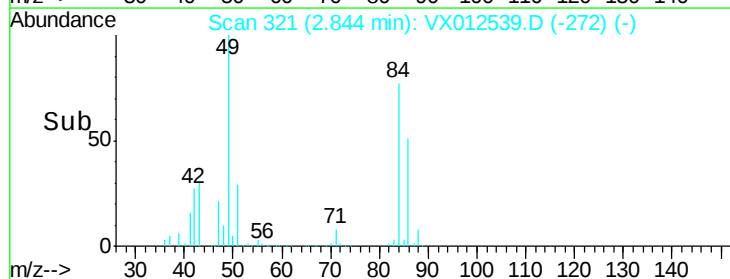
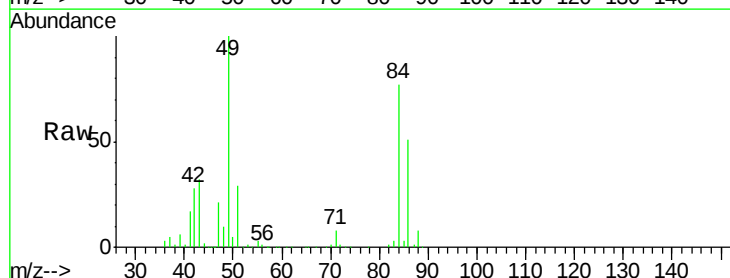
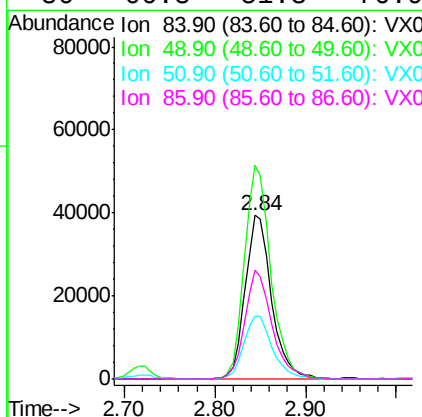
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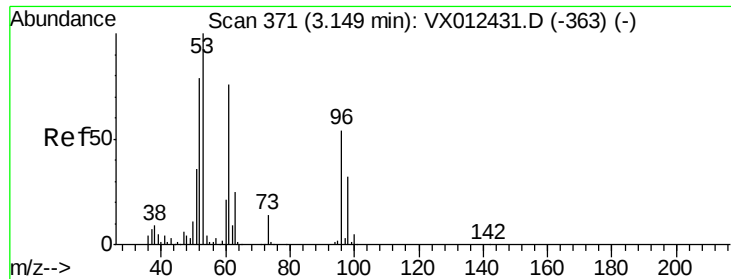
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#20
Methylene Chloride
Concen: 49.862 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012539.D
Acq: 19 Sep 2019 19:27

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.2	106.8	160.2
51	37.9	32.3	48.5
86	66.8	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 50.711 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012539.D

Acq: 19 Sep 2019 19:27

Instrument :

MSVOA_X

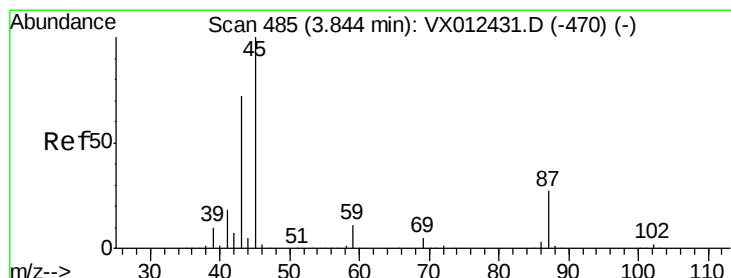
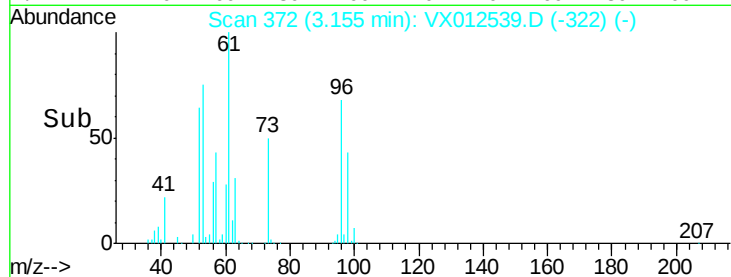
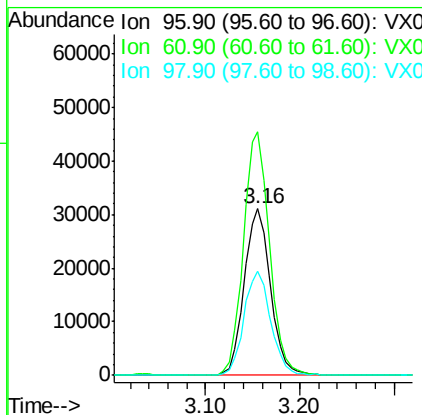
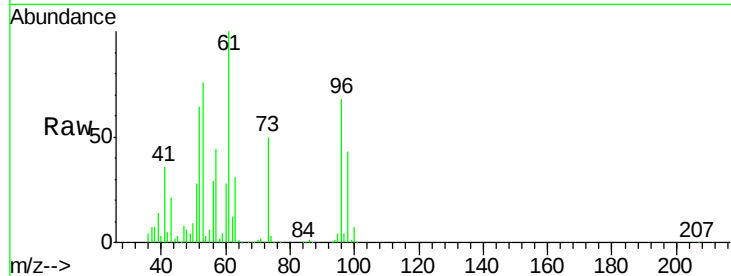
ClientSampleId :

Z2-0157MS

Tot Ion:	96	Resp:	60738
Ion	Ratio	Lower	Upper
96	100		
61	146.2	112.0	168.0
98	62.5	47.8	71.8

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#22

Diisopropyl ether

Concen: 50.964 ug/l

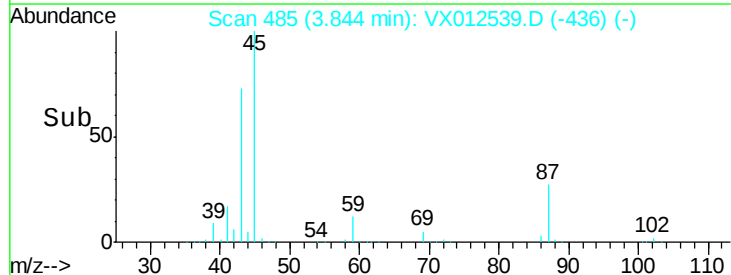
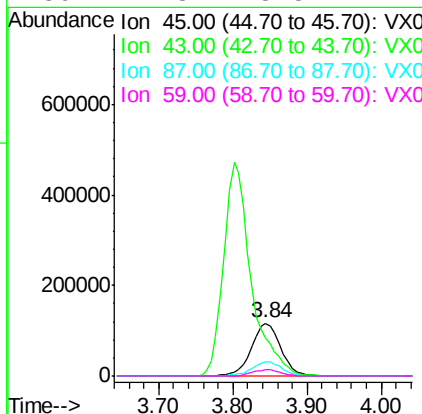
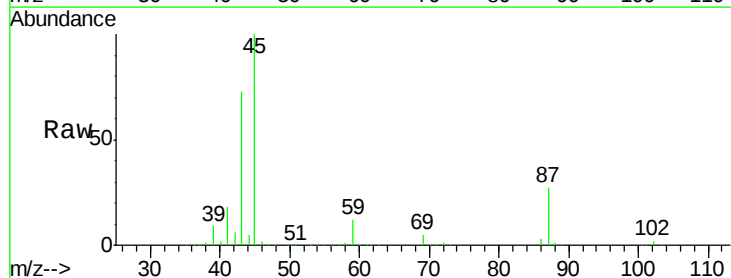
RT: 3.84 min Scan# 485

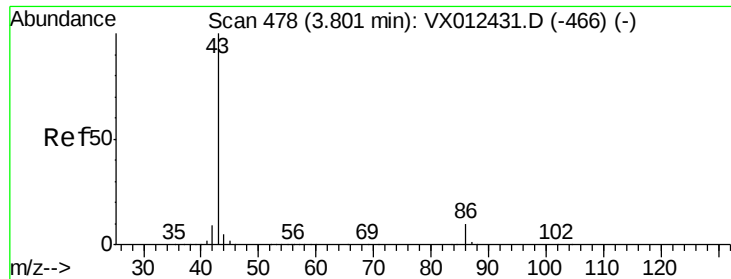
Delta R.T. 0.00 min

Lab File: VX012539.D

Acq: 19 Sep 2019 19:27

Tgt Ion:	45	Resp:	320428
Ion	Ratio	Lower	Upper
45	100		
43	73.0	57.8	86.8
87	26.7	21.3	31.9
59	11.8	8.5	12.7





#23

Vinyl Acetate

Concen: 237.166 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012539.D

Acq: 19 Sep 2019 19:27

Instrument :

MSVOA_X

ClientSampleID :

Z2-0157MS

Tot Ion: 43 Resp: 1226624

Ion Ratio Lower Upper

43 100

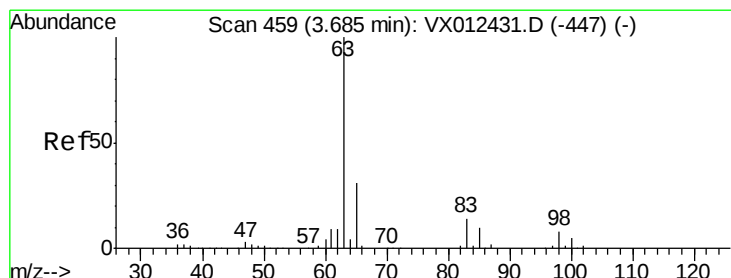
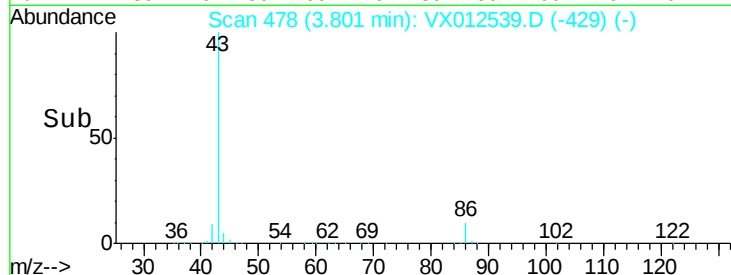
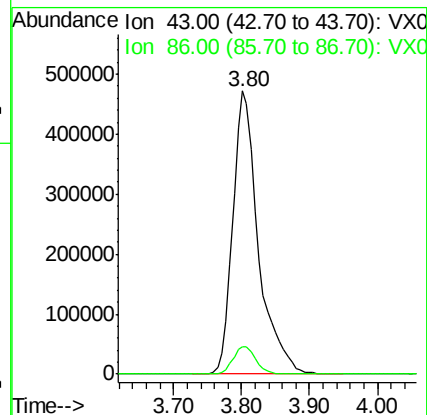
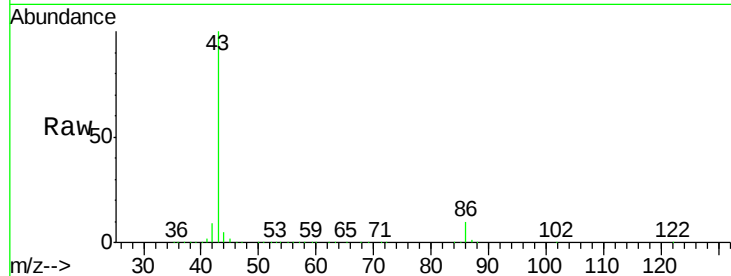
86 9.7 7.8 11.8

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#24

1,1-Dichloroethane

Concen: 51.870 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012539.D

Acq: 19 Sep 2019 19:27

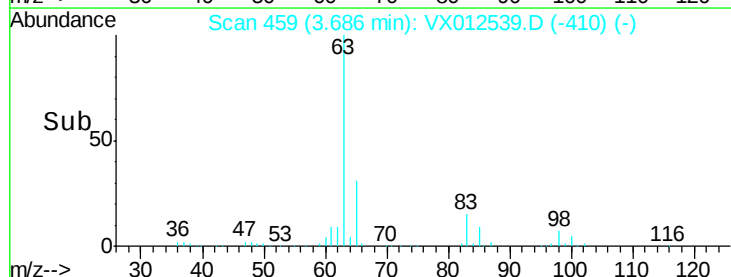
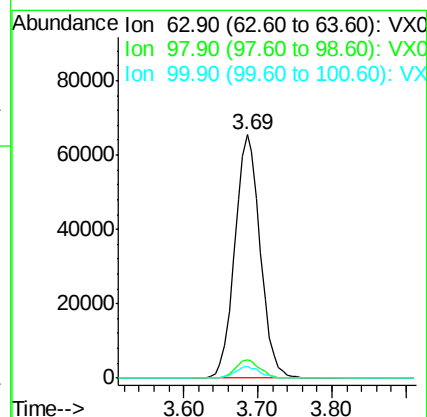
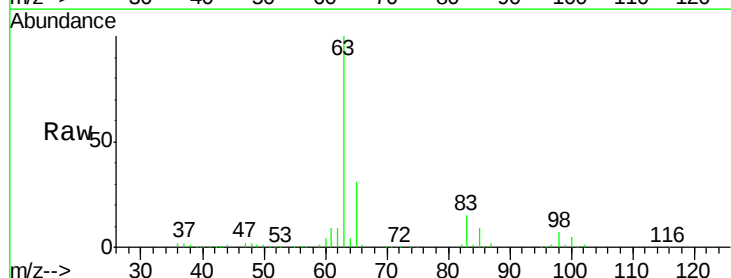
Tgt Ion: 63 Resp: 156039

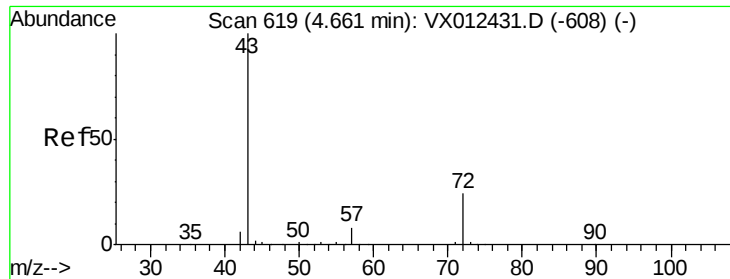
Ion Ratio Lower Upper

63 100

98 7.4 3.9 11.7

100 4.9 2.3 6.9





#25

2-Butanone

Concen: 235.456 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX012539.D

Acq: 19 Sep 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

Z2-0157MS

Tot Ion: 43 Resp: 429433

Ion Ratio Lower Upper

43 100

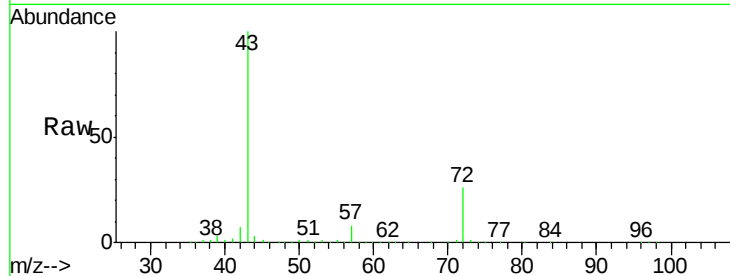
72 25.4 19.2 28.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

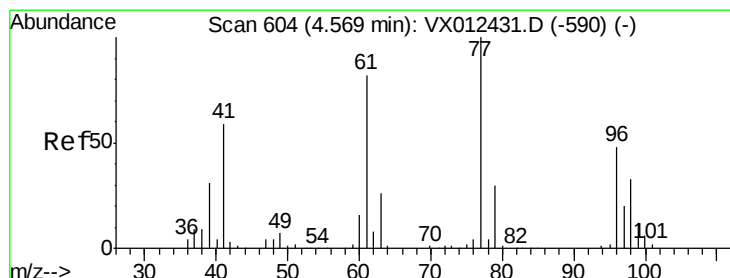
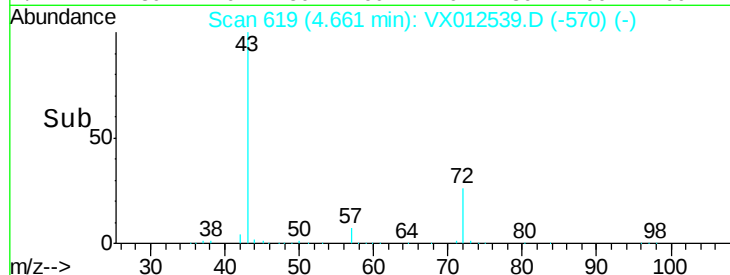
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 40.586 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX012539.D

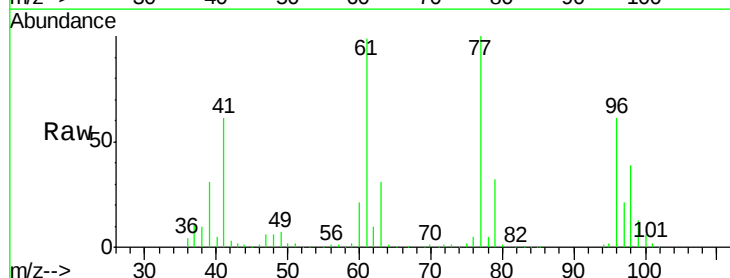
Acq: 19 Sep 2019 19:27

Tgt Ion: 77 Resp: 120075

Ion Ratio Lower Upper

77 100

97 21.9 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

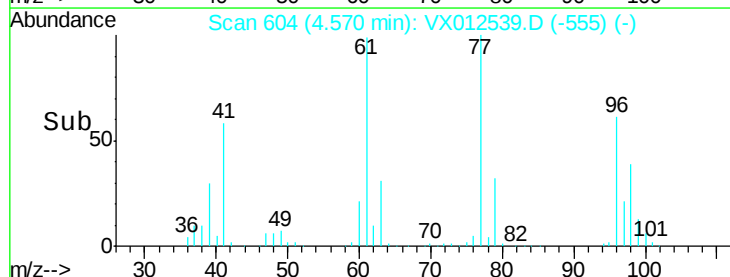
20000

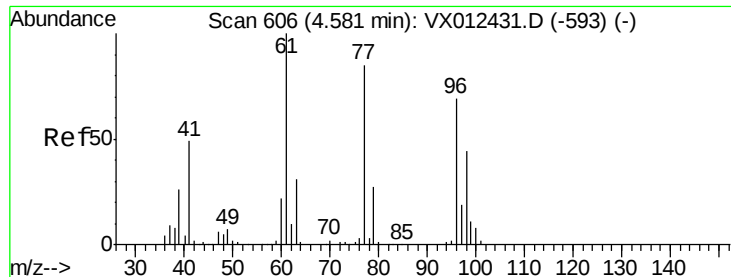
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

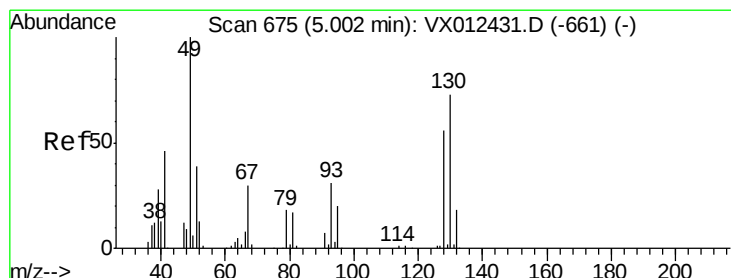
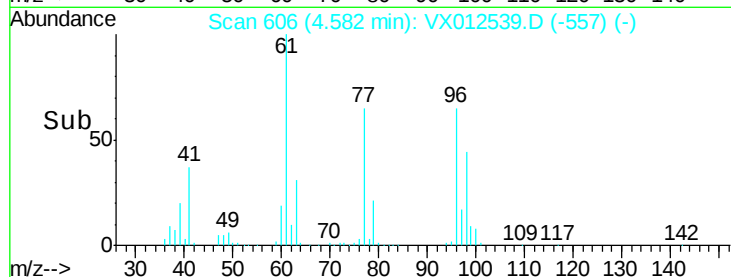
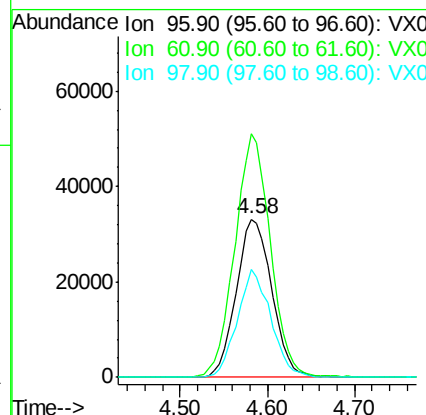
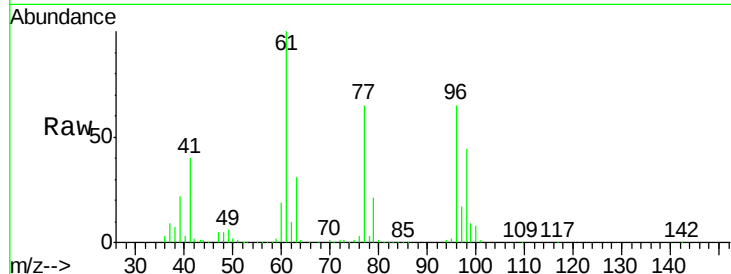
cis-1,2-Dichloroethene
Concen: 52.516 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX012539.D
Acq: 19 Sep 2019 19:27

Instrument :
MSVOA_X
ClientSampleId :
Z2-0157MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	154.1	0.0	319.4	
98	64.4	0.0	130.6	

Manual Integrations
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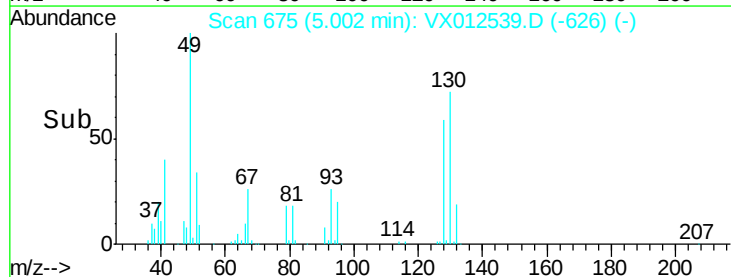
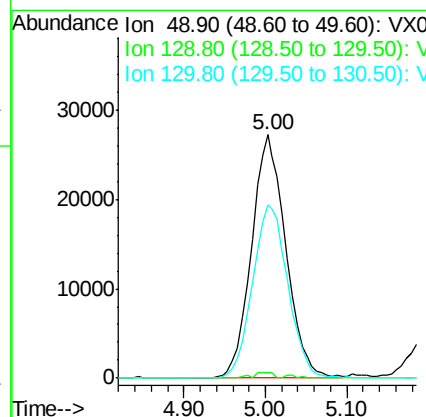
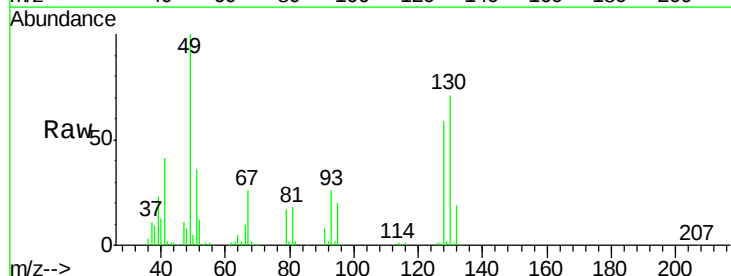
MMDadoda
9/20/2019 10:45:49 AM

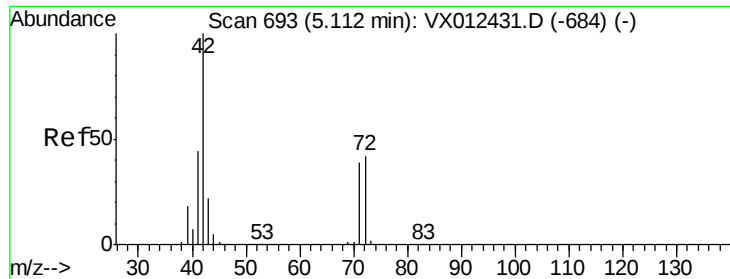


#28

Bromochloromethane
Concen: 51.329 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX012539.D
Acq: 19 Sep 2019 19:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.3	0.0	3.8	
130	73.4	58.2	87.4	





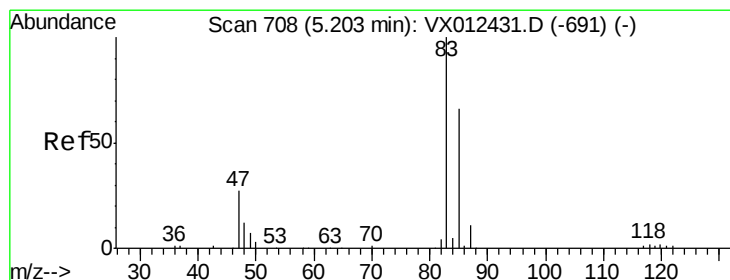
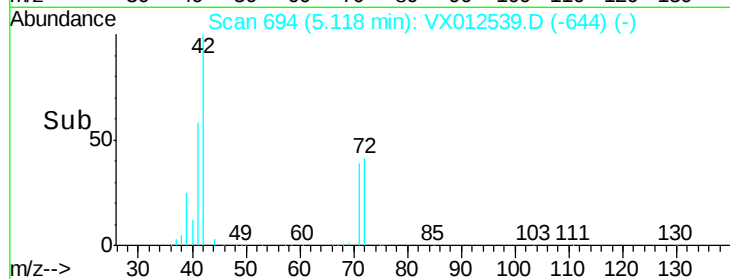
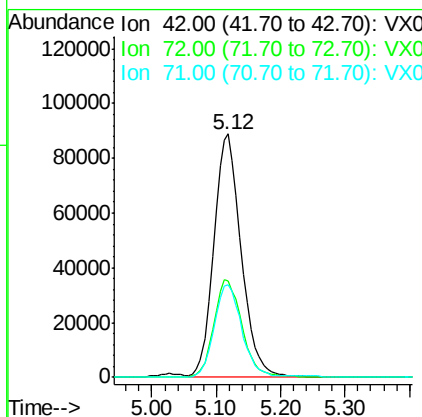
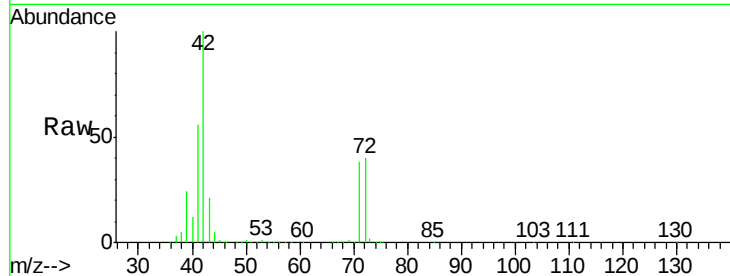
#29
Tetrahydrofuran
Concen: 262.011 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012539.D
Acq: 19 Sep 2019 19:27

Instrument :
MSVOA_X
ClientSampleId :
Z2-0157MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	34.0	51.0
71	39.0	31.5	47.3

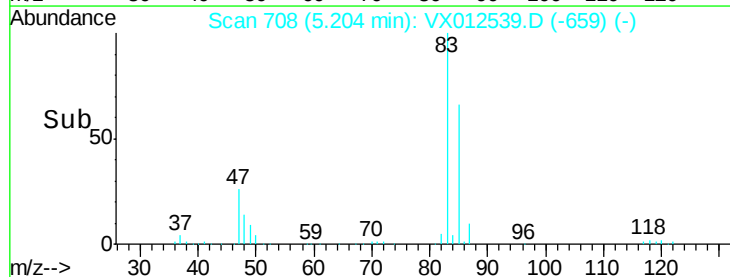
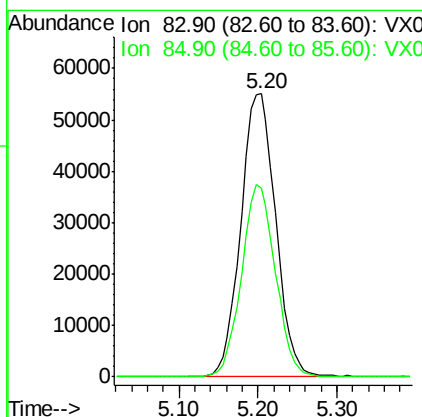
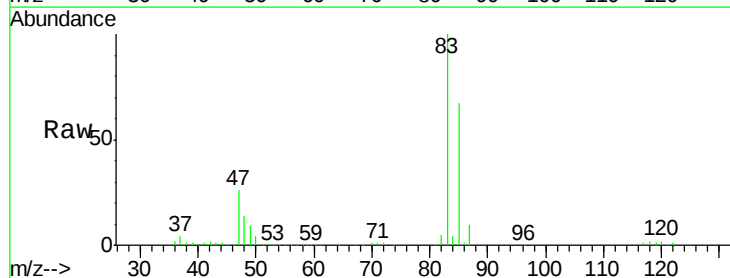
Manual Integrations
APPROVED

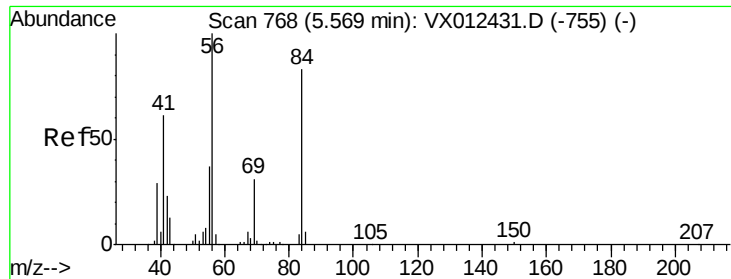
MMDadoda
9/20/2019 10:45:49 AM



#30
Chloroform
Concen: 49.086 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.00 min
Lab File: VX012539.D
Acq: 19 Sep 2019 19:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	53.0	79.4





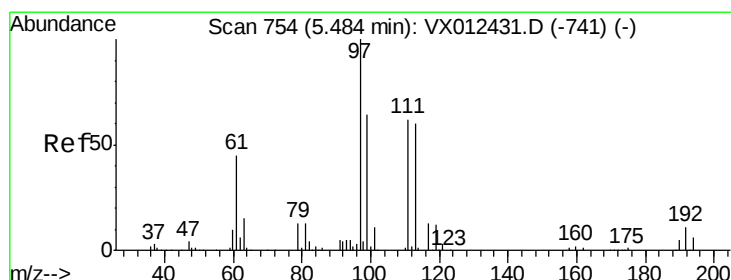
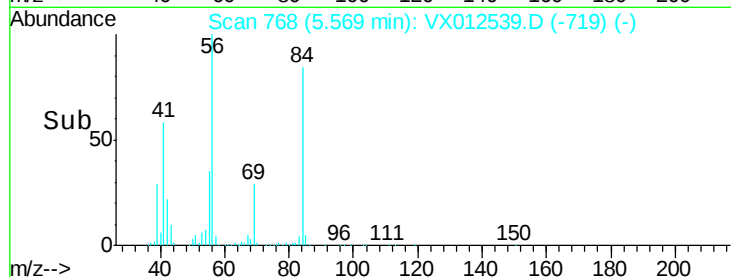
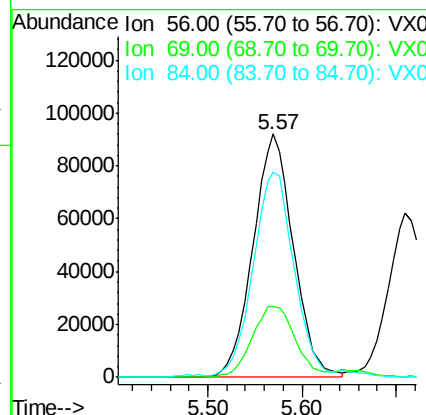
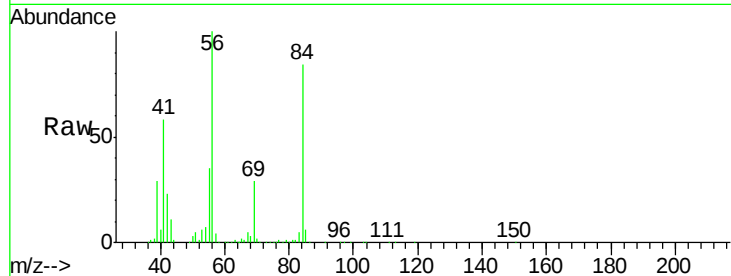
#31
Cyclohexane
Concen: 151.947 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX012539.D
Acq: 19 Sep 2019 19:27

Instrument :
MSVOA_X
ClientSampleId :
Z2-0157MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		275929		
69	29.2	25.0	37.6		
84	83.6	66.4	99.6		

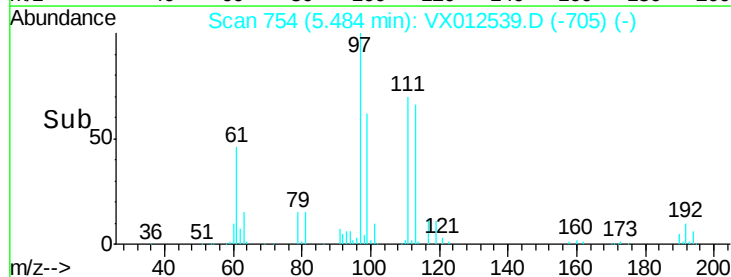
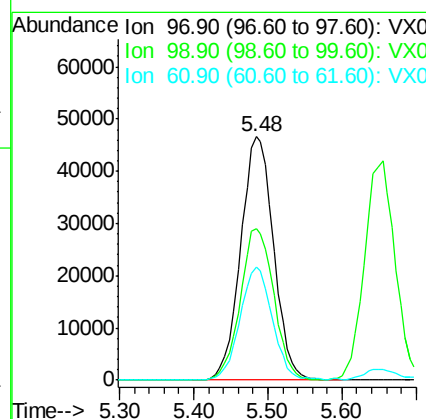
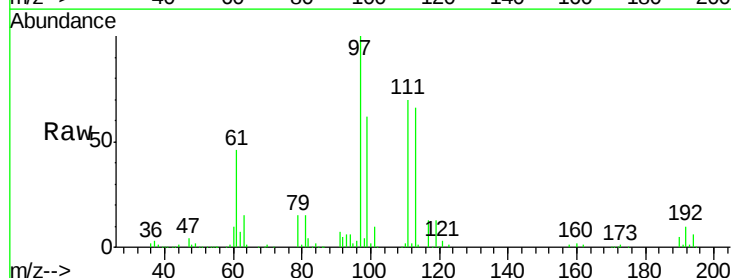
Manual Integrations
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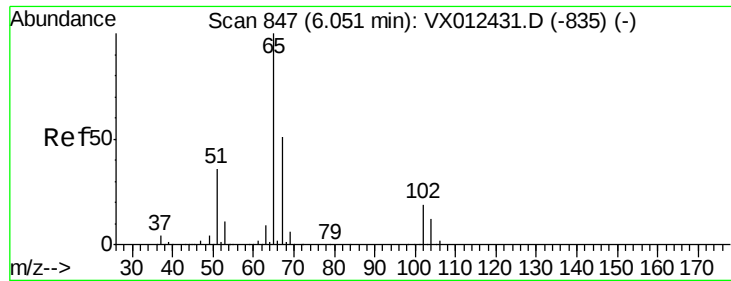
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#32
1,1,1-Trichloroethane
Concen: 49.980 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX012539.D
Acq: 19 Sep 2019 19:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		144321		
99	63.5	51.3	76.9		
61	45.9	36.1	54.1		





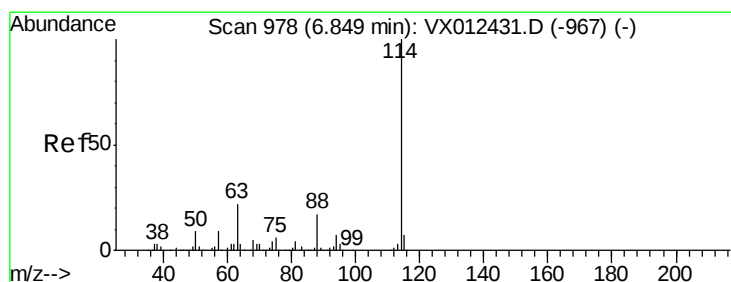
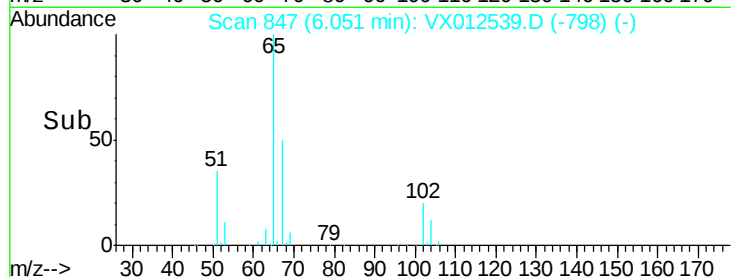
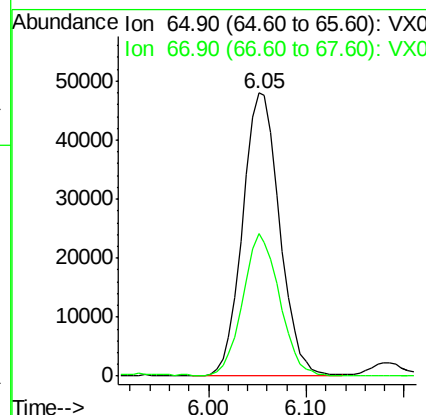
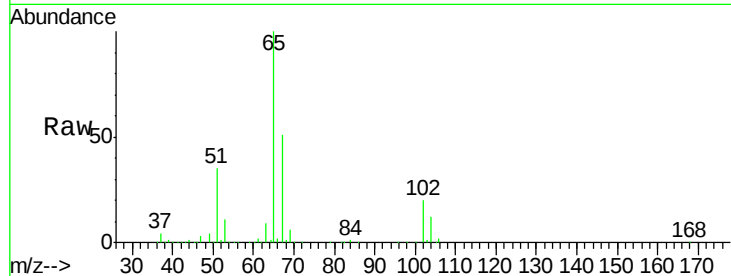
#33
 1,2-Dichloroethane-d4
 Concen: 47.773 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012539.D
 Acq: 19 Sep 2019 19:27

Instrument :
 MSVOA_X
 ClientSampled :
 Z2-0157MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	49.8	0.0	101.2	

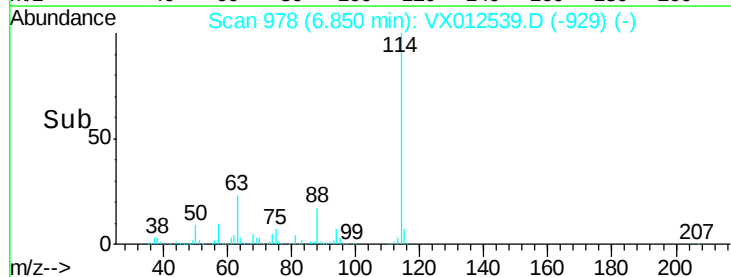
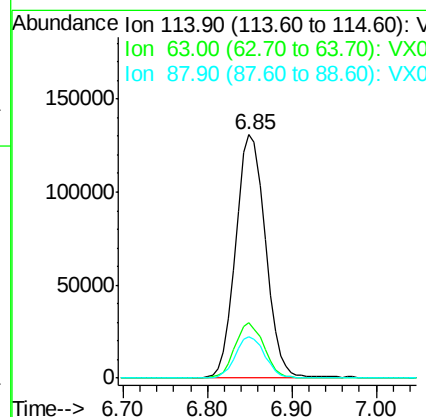
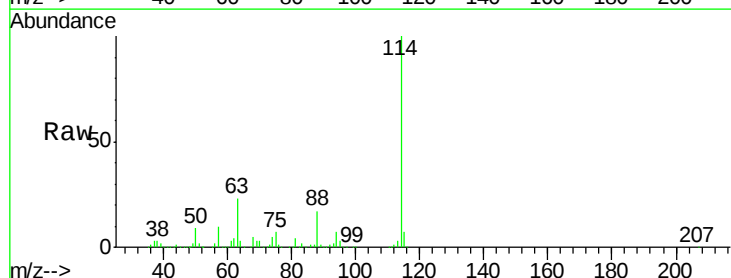
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012539.D
 Acq: 19 Sep 2019 19:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.6	0.0	43.2	
88	17.1	0.0	33.2	





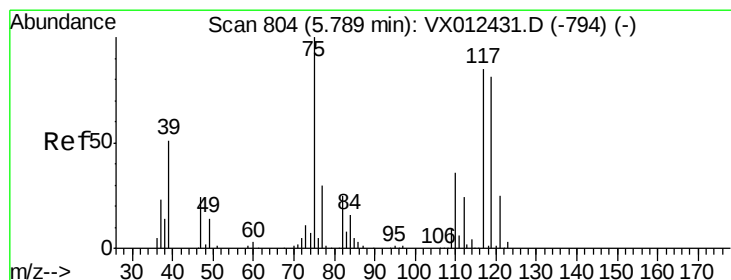
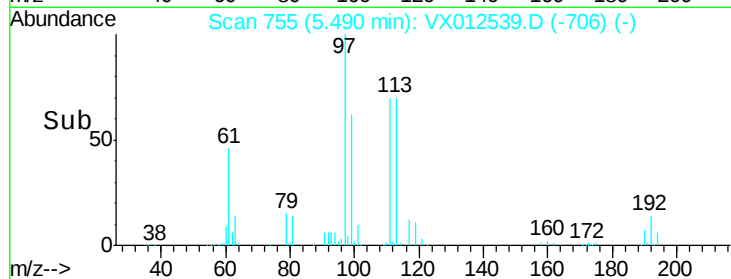
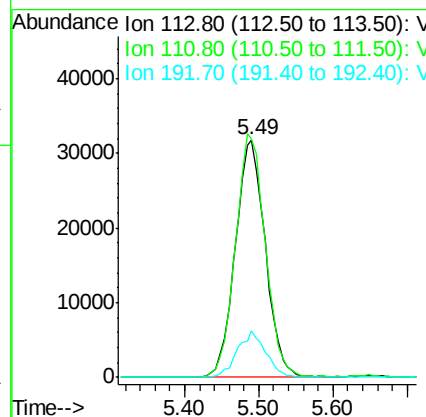
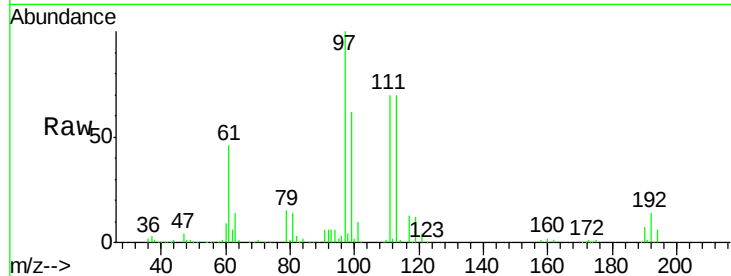
#35
 Dibromofluoromethane
 Concen: 47.248 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012539.D
 Acq: 19 Sep 2019 19:27

Instrument :
 MSVOA_X
 ClientSampleId :
 Z2-0157MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	89812		
111	102.2	83.4	125.2	
192	18.5	14.4	21.6	

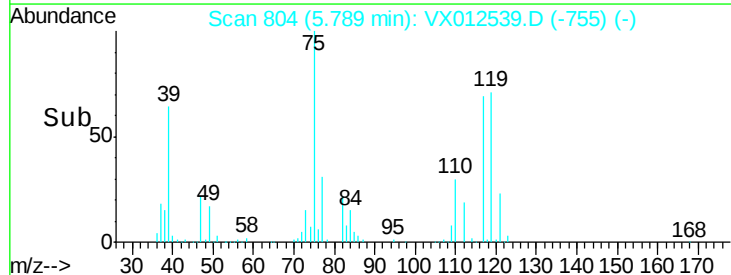
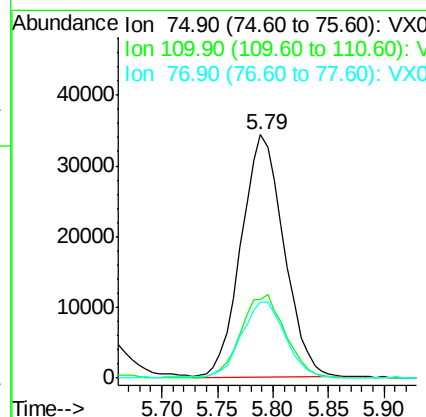
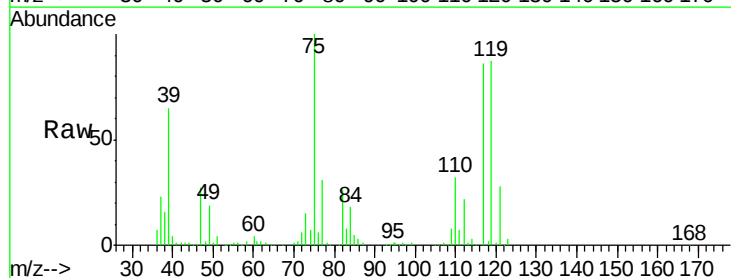
Manual Integrations
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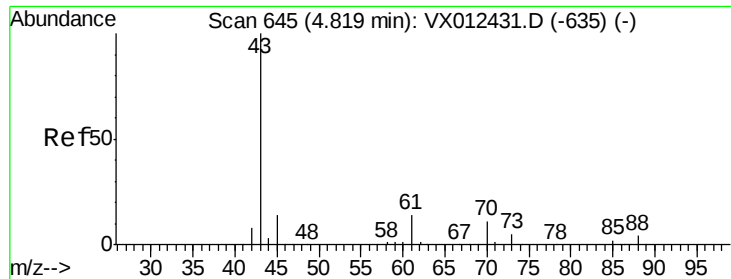
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#36
 1,1-Dichloropropene
 Concen: 47.938 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX012539.D
 Acq: 19 Sep 2019 19:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	91499		
110	35.7	16.7	50.0	
77	32.2	24.2	36.2	





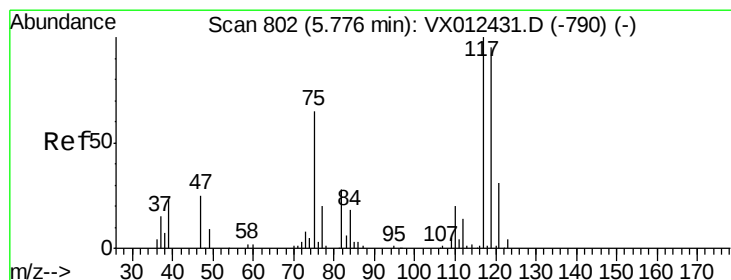
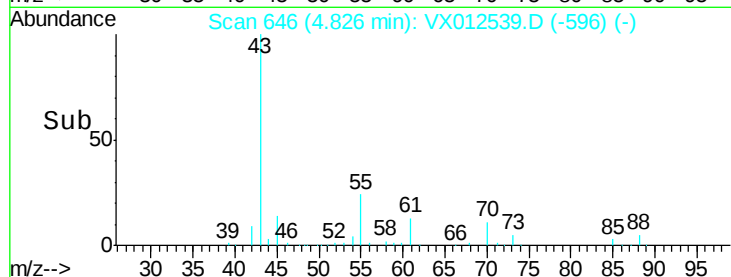
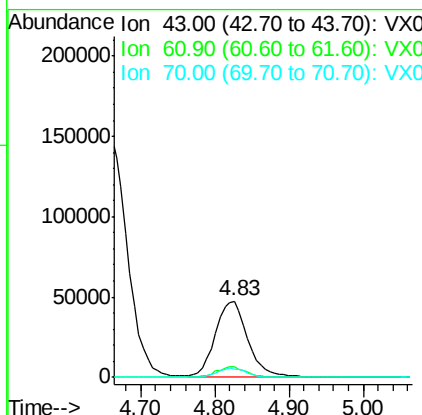
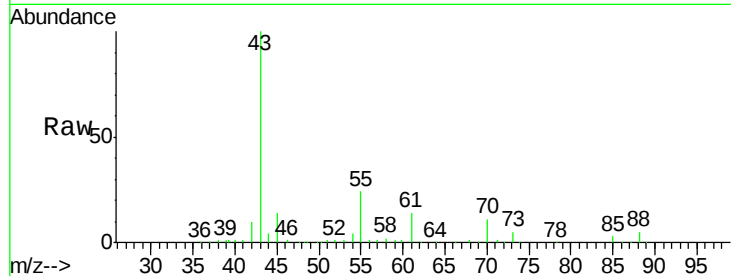
#37
Ethyl Acetate
Concen: 47.847 ug/l
RT: 4.83 min Scan# 646
Delta R.T. 0.01 min
Lab File: VX012539.D
Acq: 19 Sep 2019 19:27

Instrument :
MSVOA_X
ClientSampleId :
Z2-0157MS

Tot Ion	43	Resp	140183
Ion Ratio	100	Lower	Upper
43	100		
61	13.1	10.2	15.4
70	11.5	8.7	13.1

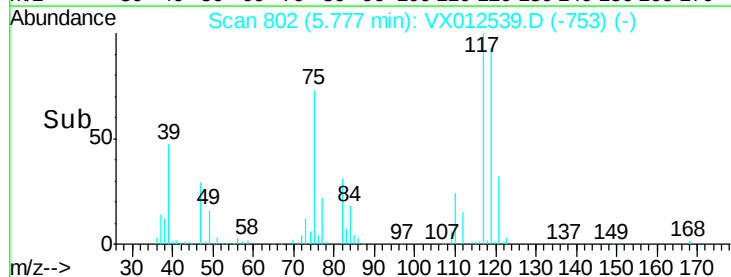
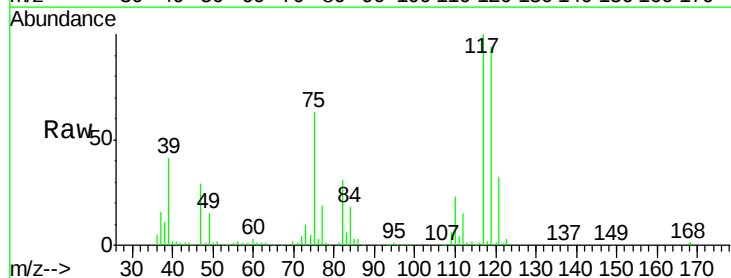
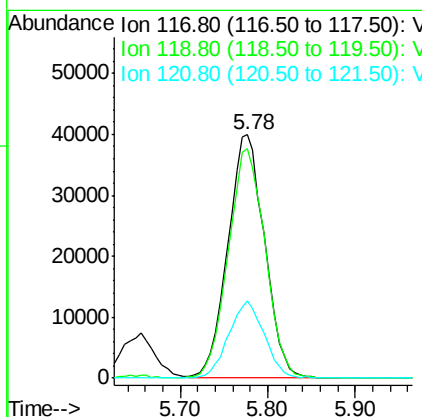
Manual Integrations
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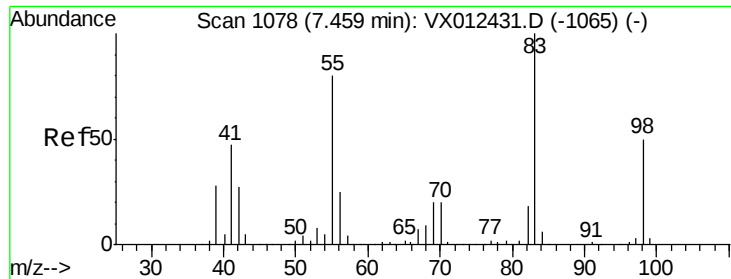
MMDadoda
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#38
Carbon Tetrachloride
Concen: 49.128 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX012539.D
Acq: 19 Sep 2019 19:27

Tgt Ion	117	Resp	116625
Ion Ratio	100	Lower	Upper
117	100		
119	94.2	75.7	113.5
121	31.8	24.2	36.4





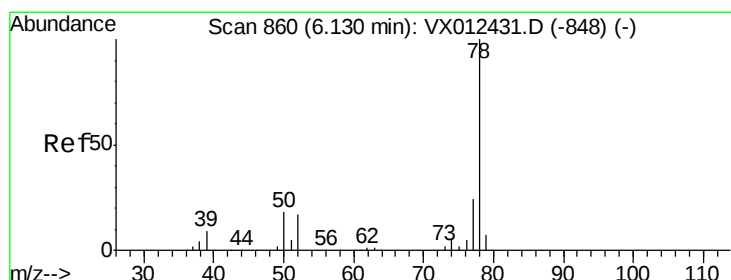
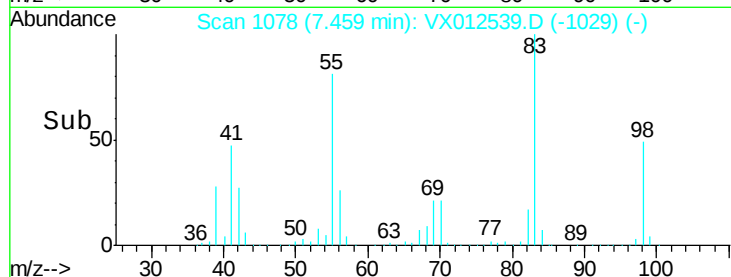
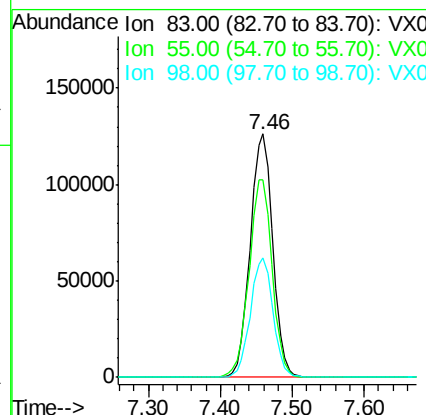
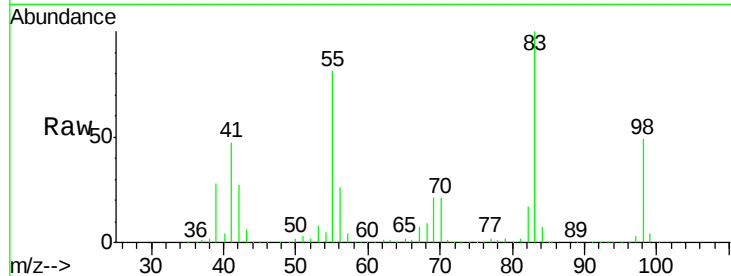
#39
Methvlcvclohexane
Concen: 148.189 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX012539.D
Acq: 19 Sep 2019 19:27

Instrument :
MSVOA_X
ClientSampleId :
Z2-0157MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100	274965		
55	80.9	64.4	96.6	
98	49.0	40.1	60.1	

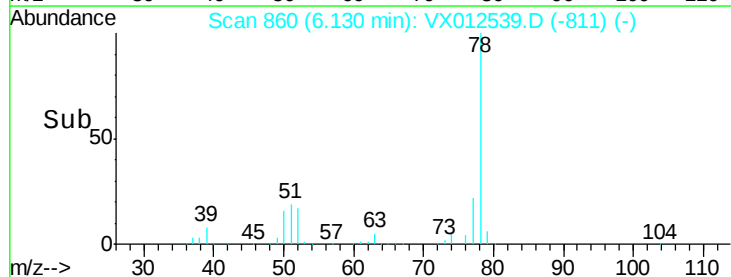
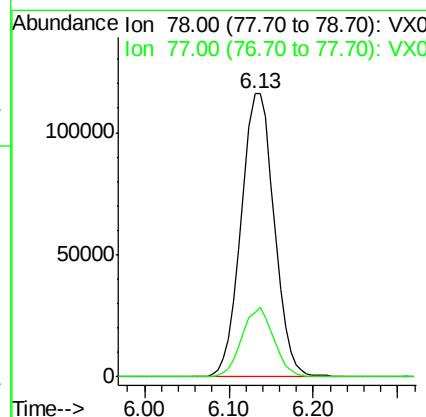
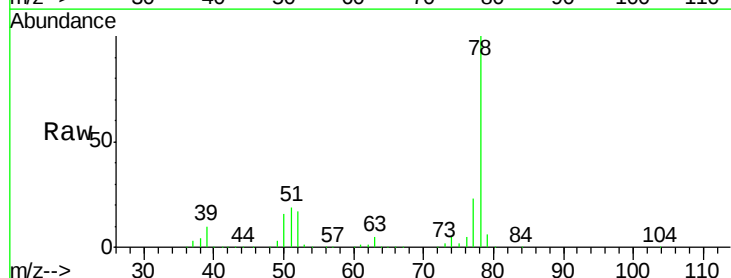
Manual Integrations
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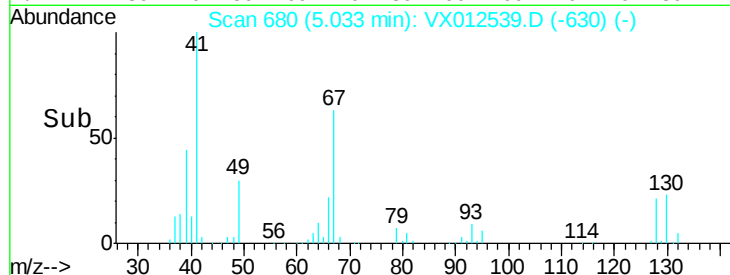
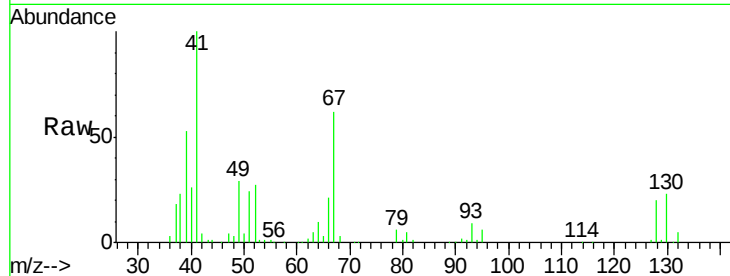
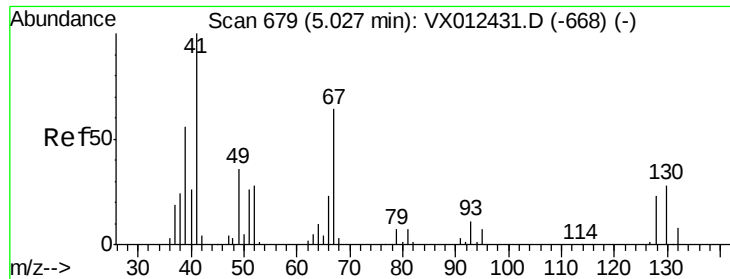
MMDadoda
9/20/2019 10:45:49 AM



#40
Benzene
Concen: 50.864 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX012539.D
Acq: 19 Sep 2019 19:27

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	308722		
77	22.9	19.2	28.8	





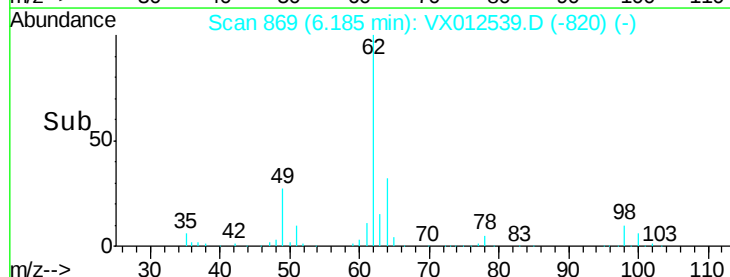
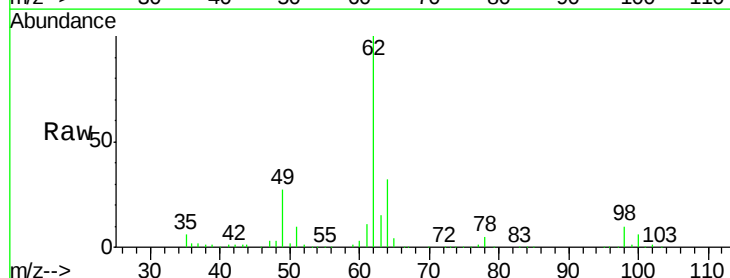
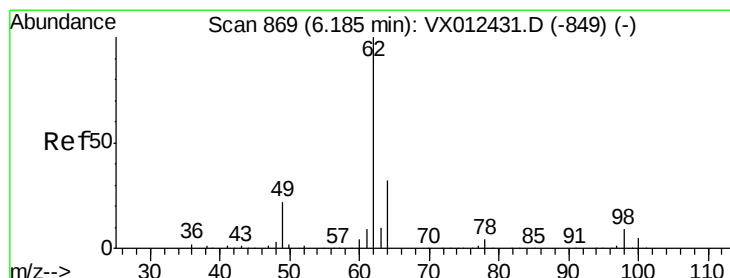
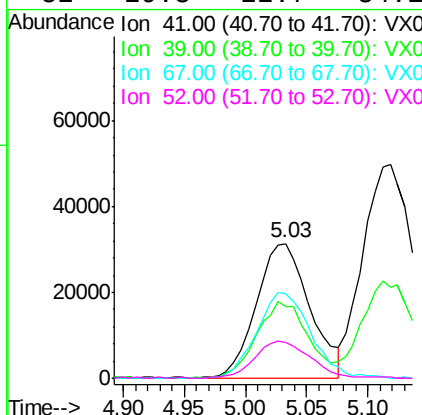
#41
Methacrylonitrile
Concen: 50.476 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX012539.D
Acq: 19 Sep 2019 19:27

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		95224		
39	54.1	46.0	69.0		
67	64.5	52.2	78.2		
52	29.3	22.7	34.1		

Instrument :
MSVOA_X
ClientSampled :
Z2-0157MS

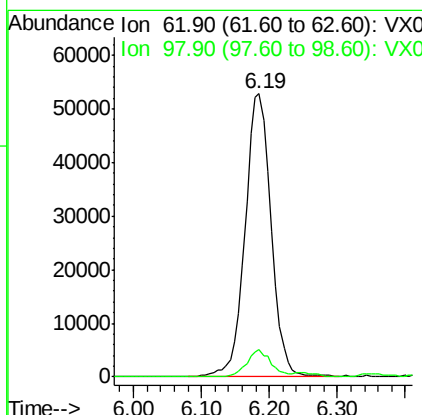
Manual Integrations
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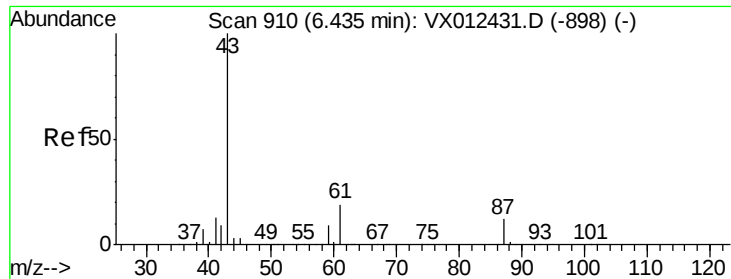
MMDadoda
9/20/2019 10:45:49 AM



#42
1,2-Dichloroethane
Concen: 49.989 ug/l
RT: 6.19 min Scan# 869
Delta R.T. 0.00 min
Lab File: VX012539.D
Acq: 19 Sep 2019 19:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		140727		
98	9.0	0.0	17.8		





#43

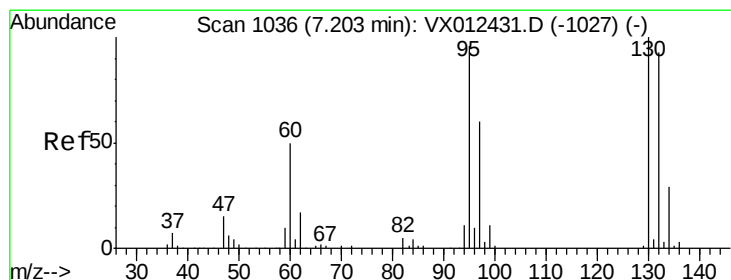
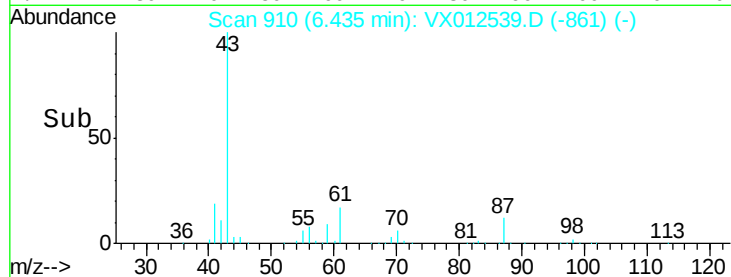
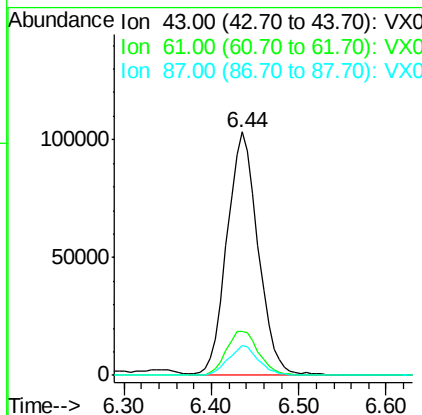
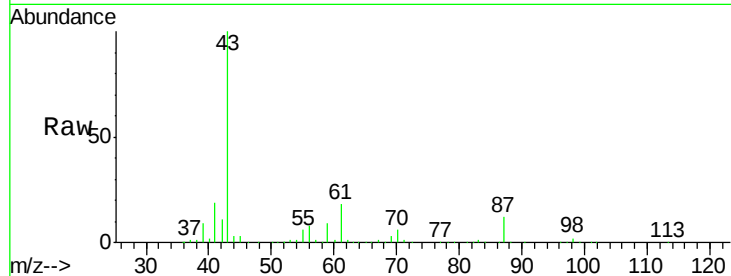
Isopropyl Acetate
 Concen: 48.168 ug/l
 RT: 6.44 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX012539.D
 Acq: 19 Sep 2019 19:27

Instrument :
 MSVOA_X
 ClientSampleId :
 Z2-0157MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.4	23.0
87	12.1	9.8	14.8

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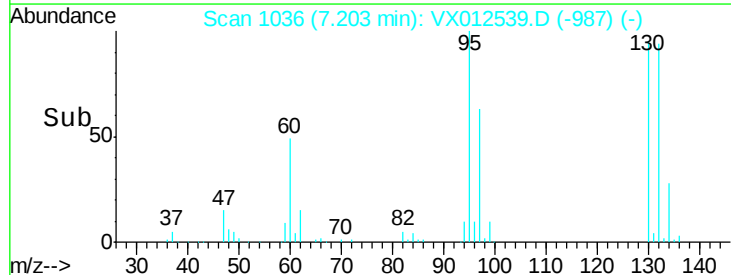
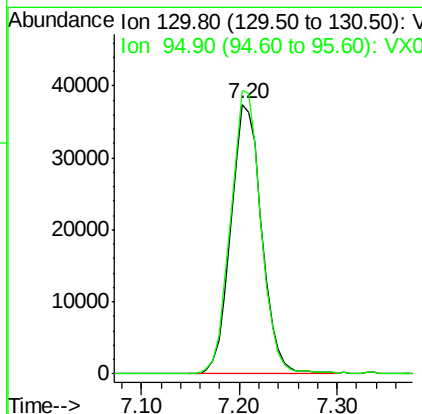
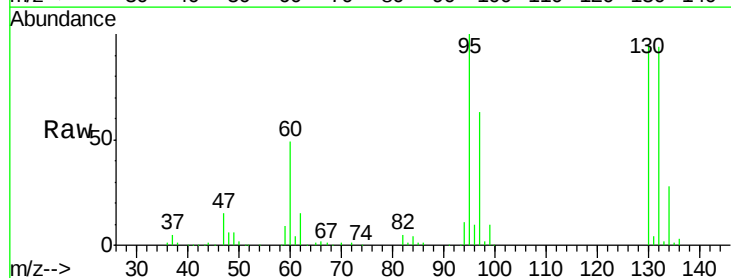
MMDadoda
 9/20/2019 10:45:49 AM



#44

Trichloroethene
 Concen: 51.357 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: VX012539.D
 Acq: 19 Sep 2019 19:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.8	0.0	193.0





#45

1,2-Dichloropropane

Concen: 50.750 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX012539.D

Acq: 19 Sep 2019 19:27

Instrument :

MSVOA_X

ClientSampled :

Z2-0157MS

Tot Ion: 63 Resp: 94635

Ion Ratio Lower Upper

63 100

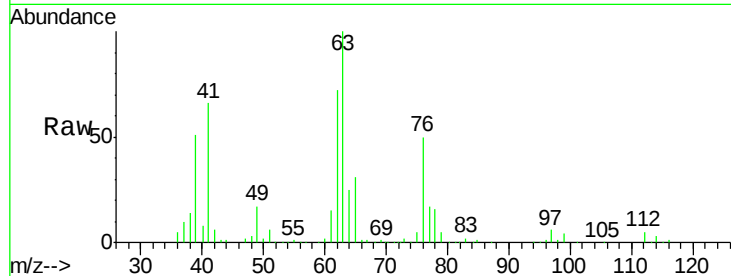
65 31.0 25.0 37.6

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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

40000

30000

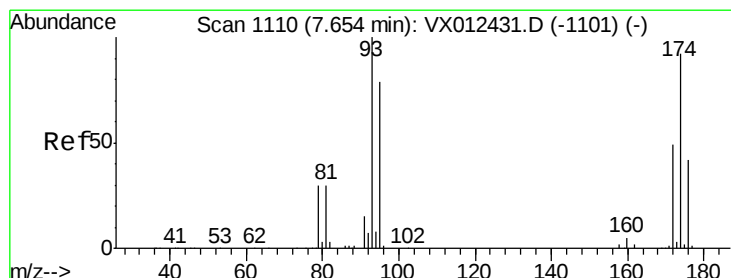
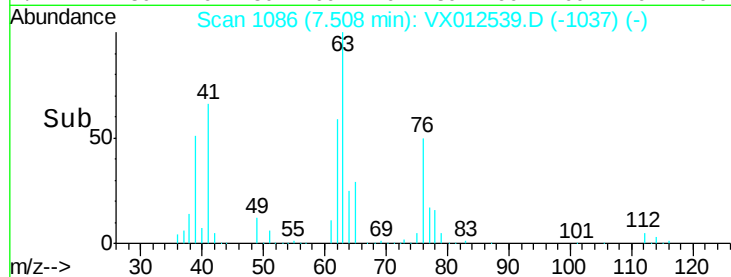
20000

10000

0

7.40 7.50 7.60

Time-->



#46

Dibromomethane

Concen: 50.529 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX012539.D

Acq: 19 Sep 2019 19:27

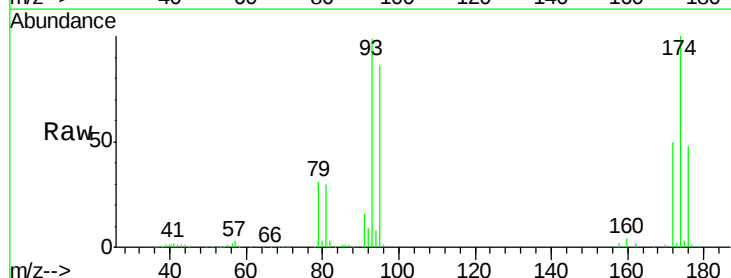
Tgt Ion: 93 Resp: 60974

Ion Ratio Lower Upper

93 100

95 82.7 66.6 100.0

174 94.6 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

40000

30000

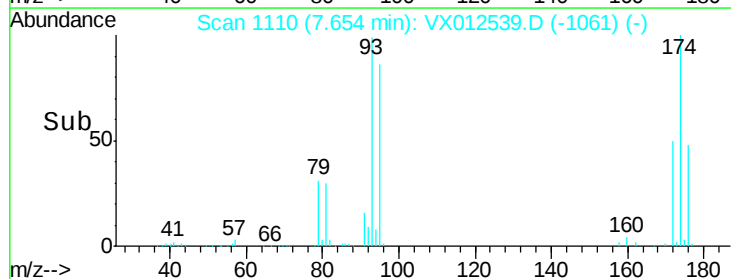
20000

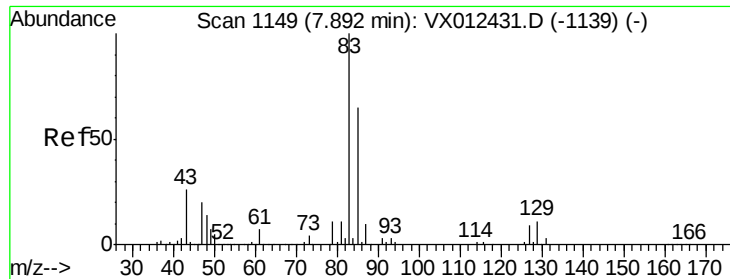
10000

0

7.60 7.70

Time-->





#47

Bromodichloromethane

Concen: 49.950 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX012539.D

Acq: 19 Sep 2019 19:27

Instrument :

MSVOA_X

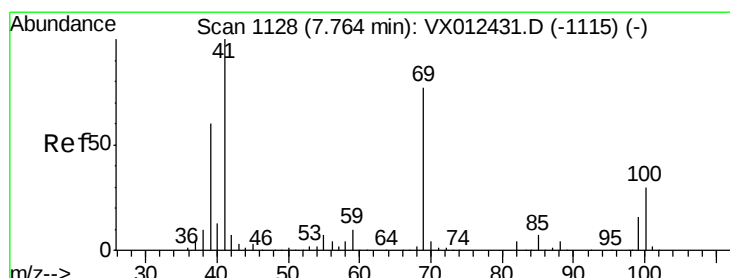
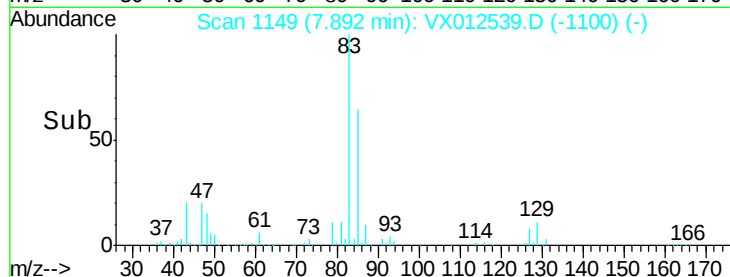
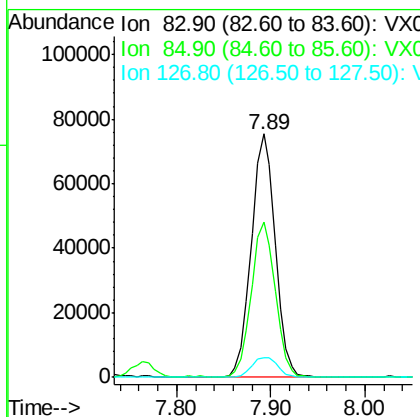
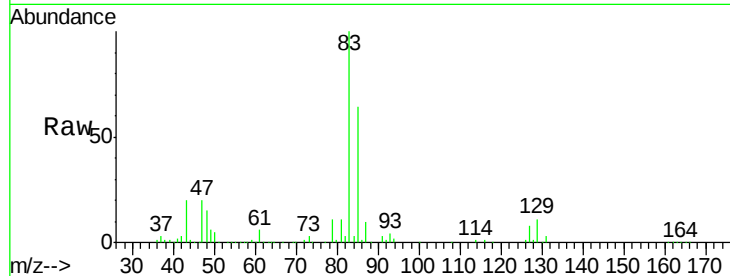
ClientSampleId :

Z2-0157MS

Tot Ion:	83	Resp:	134208
Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.8	77.6
127	7.9	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.530 ug/l

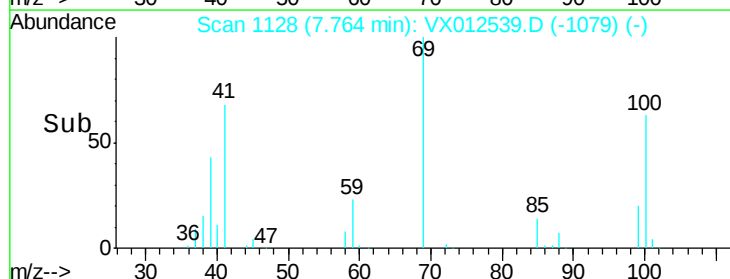
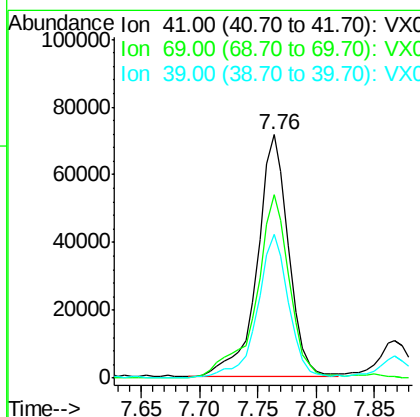
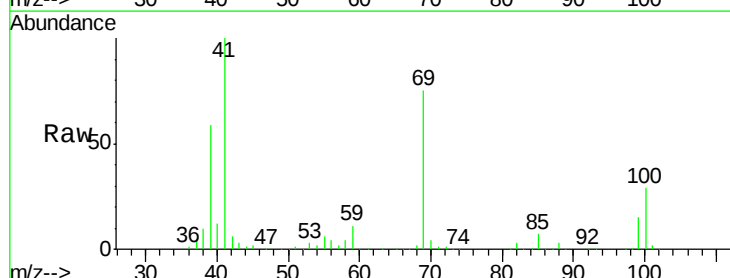
RT: 7.76 min Scan# 1128

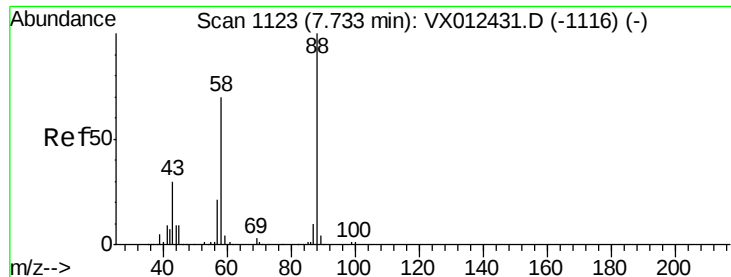
Delta R.T. 0.00 min

Lab File: VX012539.D

Acq: 19 Sep 2019 19:27

Tgt Ion:	41	Resp:	132691
Ion	Ratio	Lower	Upper
41	100		
69	81.8	59.9	89.9
39	59.0	47.8	71.6





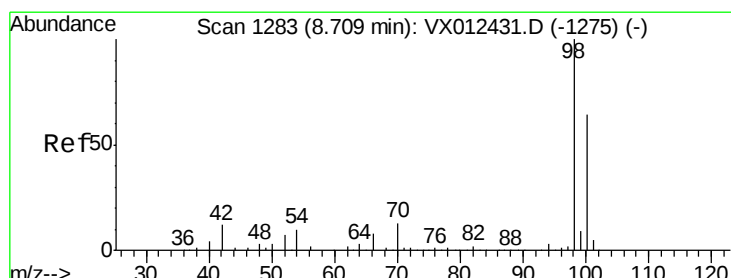
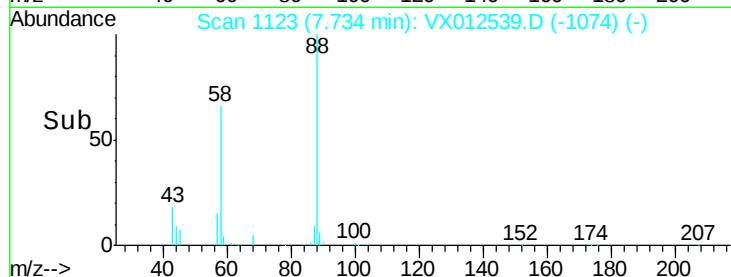
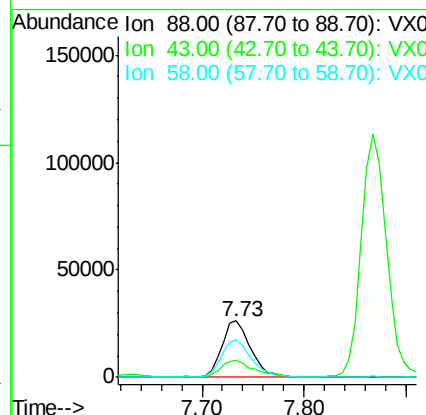
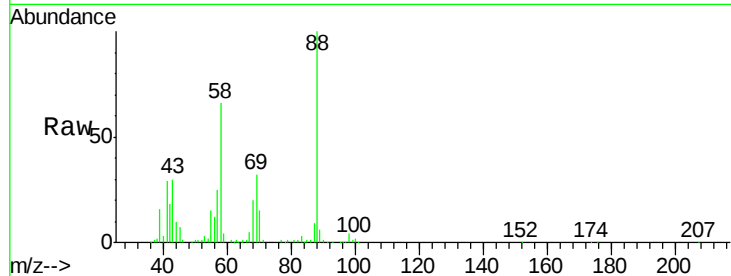
#49
1,4-Dioxane
Concen: 861.994 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX012539.D
Acq: 19 Sep 2019 19:27

Instrument :
MSVOA_X
ClientSampleId :
Z2-0157MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.2	29.4	44.0
58	69.1	57.5	86.3

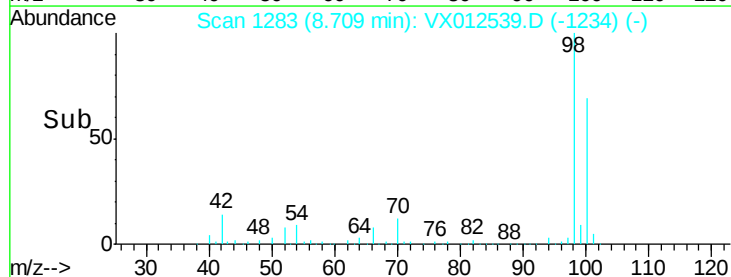
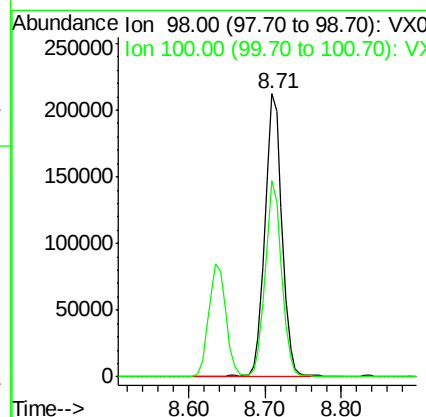
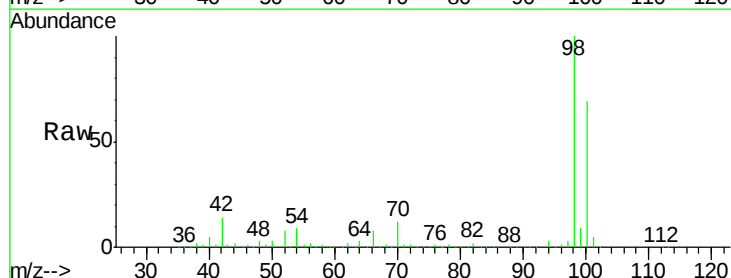
Manual Integrations
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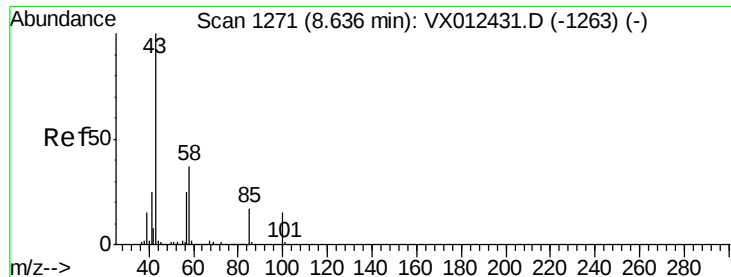
MMDadoda
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#50
Toluene-d8
Concen: 47.735 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012539.D
Acq: 19 Sep 2019 19:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 254.579 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012539.D

Acq: 19 Sep 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

Z2-0157MS

Tot Ion: 43 Resp: 877914

Ion Ratio Lower Upper

43 100

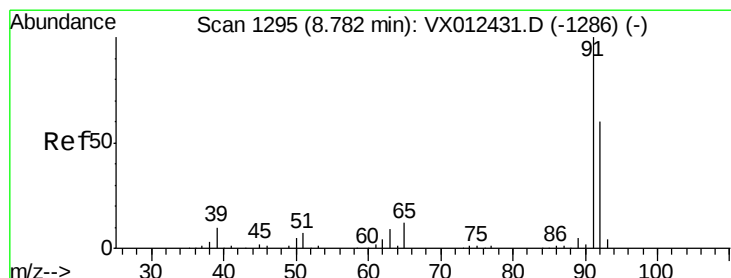
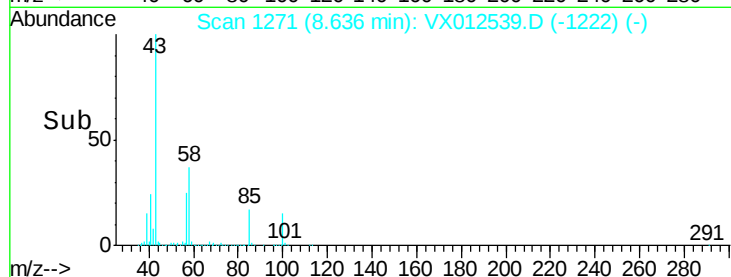
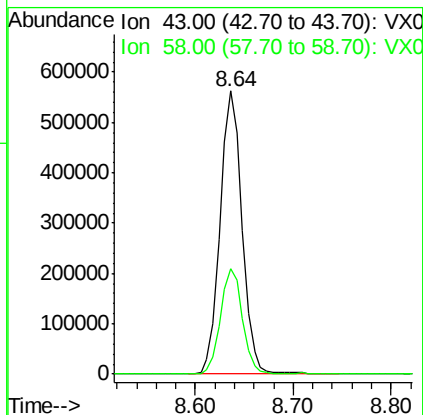
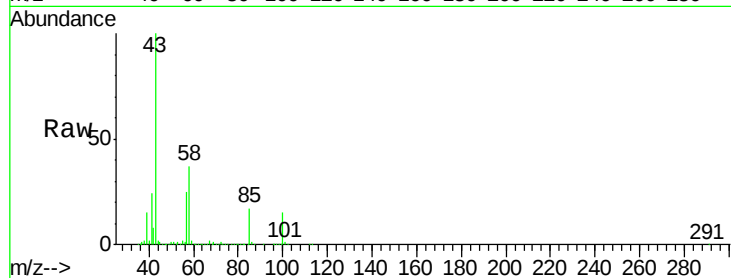
58 37.2 29.8 44.6

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#52

Toluene

Concen: 51.362 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX012539.D

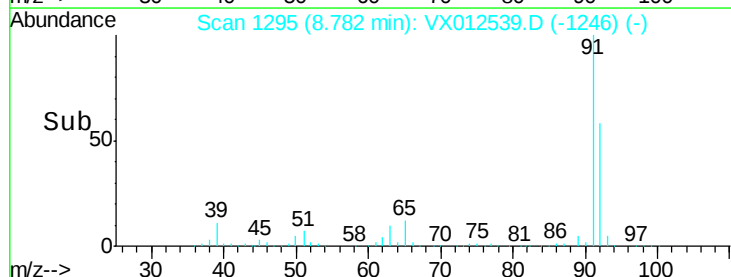
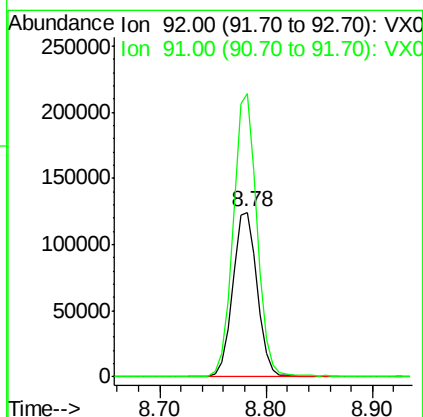
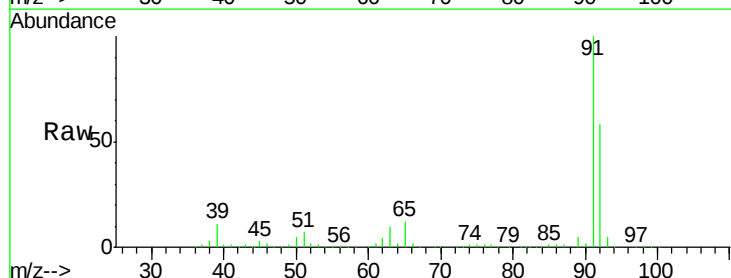
Acq: 19 Sep 2019 19:27

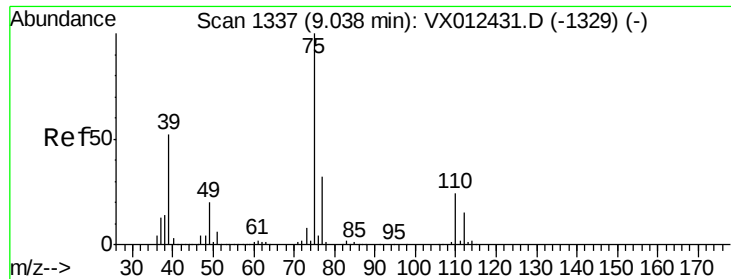
Tgt Ion: 92 Resp: 200880

Ion Ratio Lower Upper

92 100

91 166.6 135.4 203.0





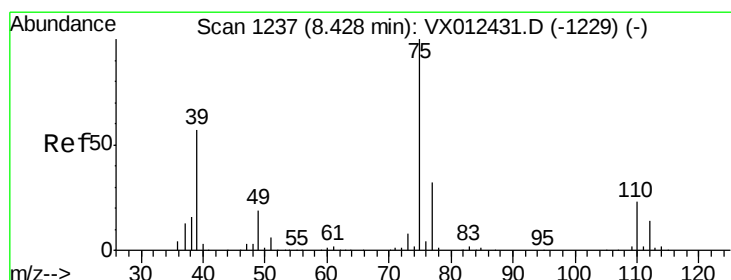
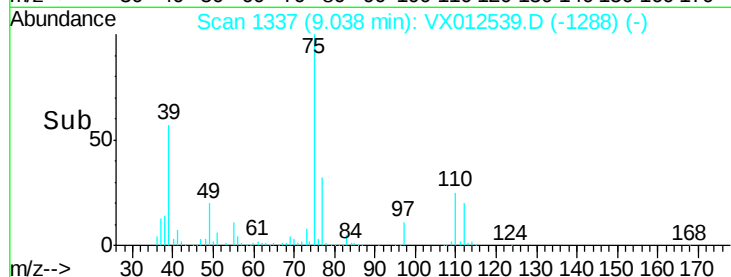
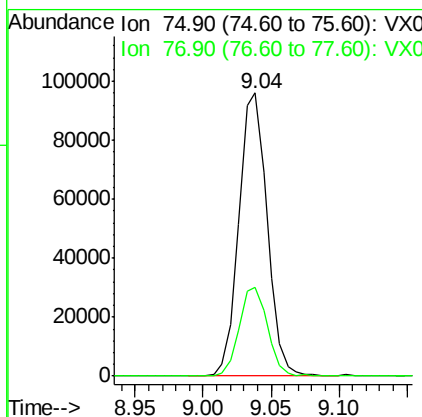
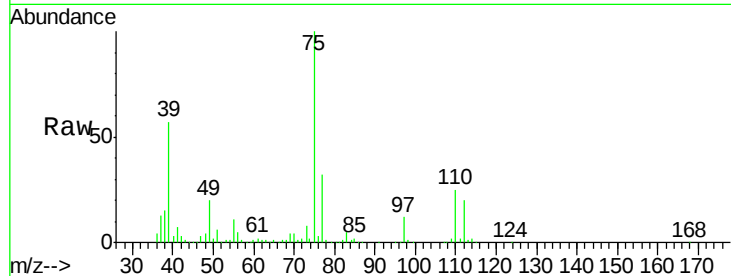
#53
t-1,3-Dichloropropene
Concen: 49.942 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX012539.D
Acq: 19 Sep 2019 19:27

Instrument :
MSVOA_X
ClientSampled :
Z2-0157MS

Tot Ion: 75 Resp: 139485
Ion Ratio Lower Upper
75 100
77 31.5 25.2 37.8

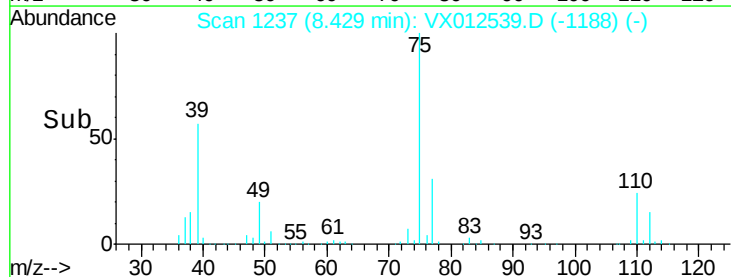
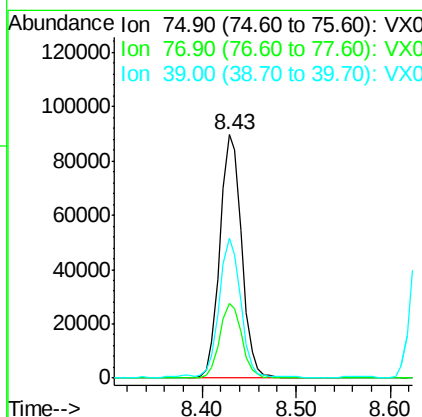
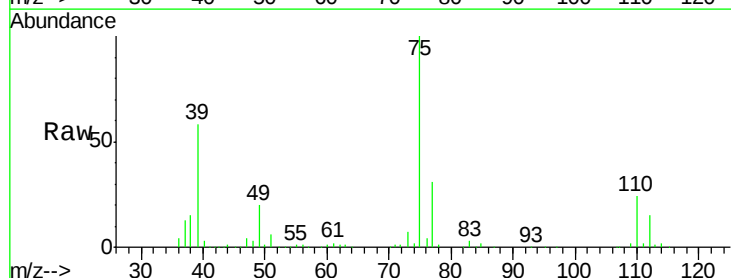
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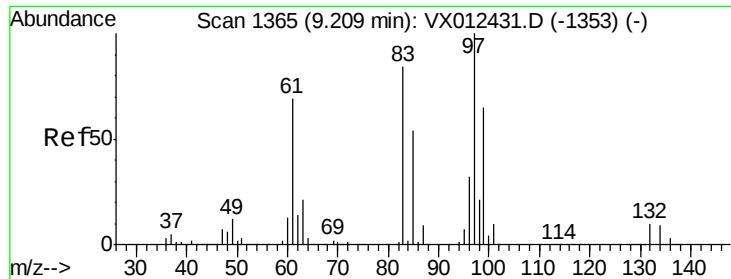
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#54
cis-1,3-Dichloropropene
Concen: 49.723 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX012539.D
Acq: 19 Sep 2019 19:27

Tgt Ion: 75 Resp: 143773
Ion Ratio Lower Upper
75 100
77 30.4 25.8 38.8
39 57.2 45.5 68.3





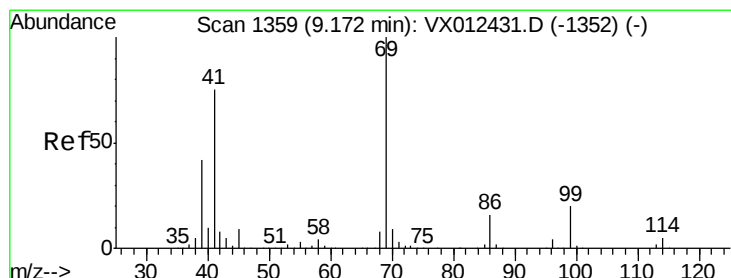
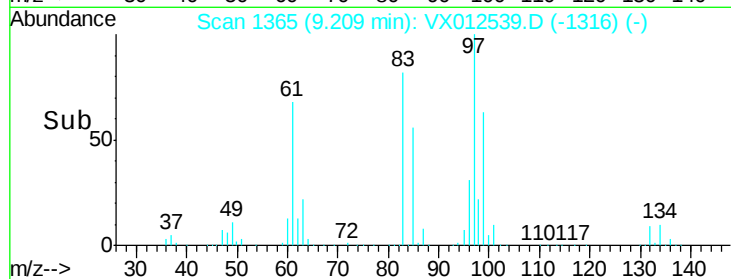
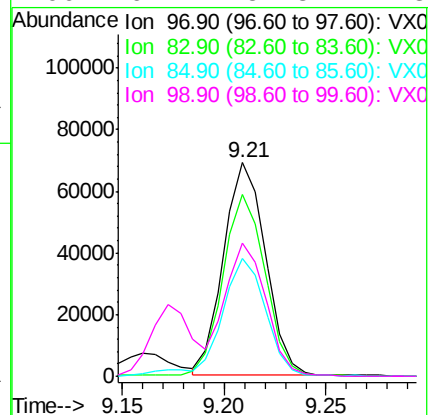
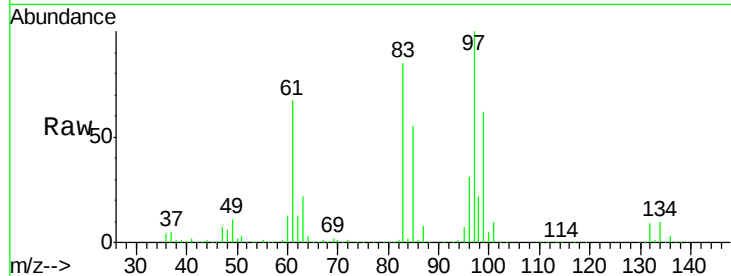
#55
 1,1,2-Trichloroethane
 Concen: 48.984 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012539.D
 Acq: 19 Sep 2019 19:27

Instrument :
 MSVOA_X
 ClientSampleId :
 Z2-0157MS

Tot Ion:	97	Resp:	98699
Ion	Ratio	Lower	Upper
97	100		
83	85.0	67.4	101.2
85	55.3	43.5	65.3
99	62.4	51.8	77.8

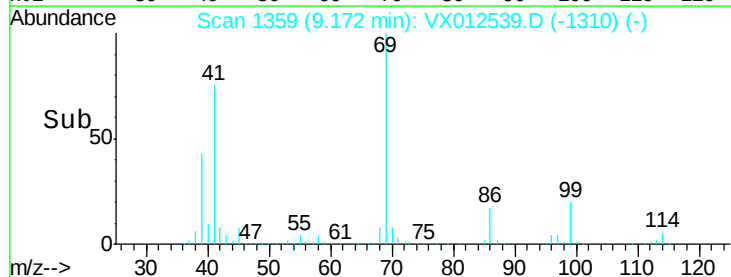
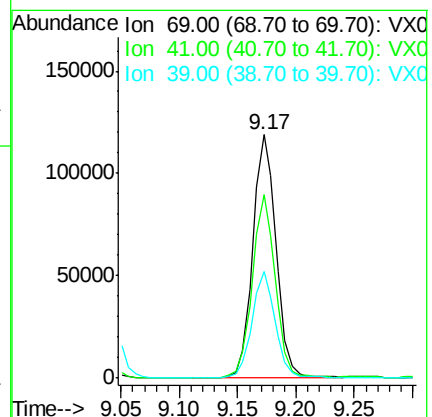
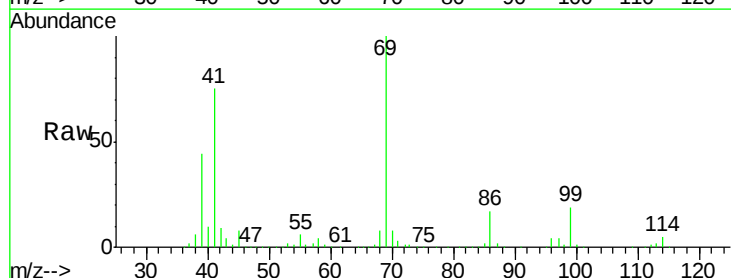
Manual Integrations
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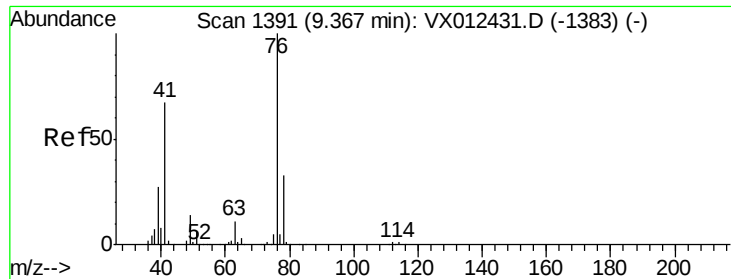
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#56
 Ethyl methacrylate
 Concen: 52.700 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012539.D
 Acq: 19 Sep 2019 19:27

Tgt Ion:	69	Resp:	166023
Ion	Ratio	Lower	Upper
69	100		
41	74.4	58.4	87.6
39	42.9	33.4	50.0





#57

1,3-Dichloropropane

Concen: 51.552 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX012539.D

Acq: 19 Sep 2019 19:27

Instrument :

MSVOA_X

ClientSampled :

Z2-0157MS

Tot Ion: 76 Resp: 165732

Ion Ratio Lower Upper

76 100

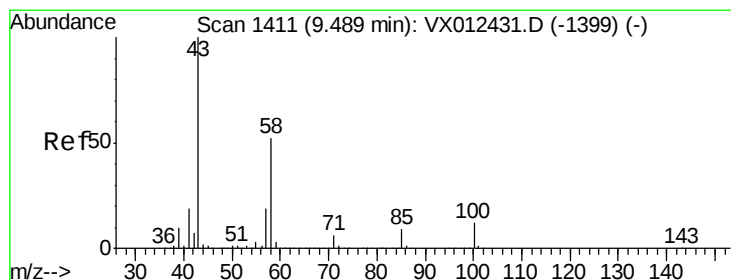
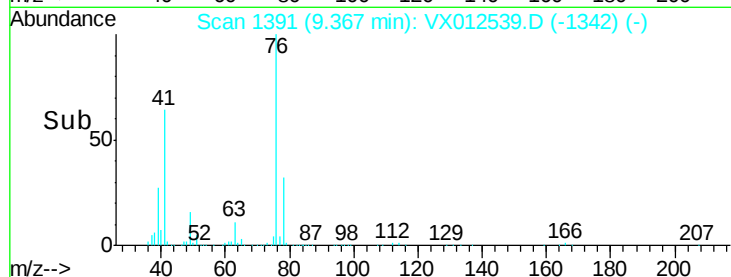
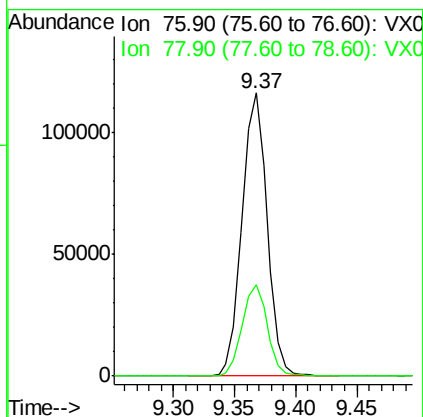
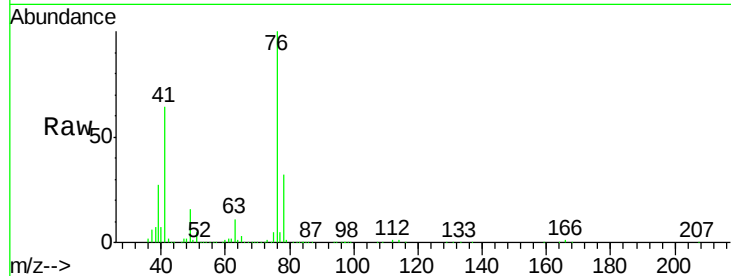
78 32.5 26.2 39.2

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#59

2-Hexanone

Concen: 247.104 ug/l

RT: 9.49 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VX012539.D

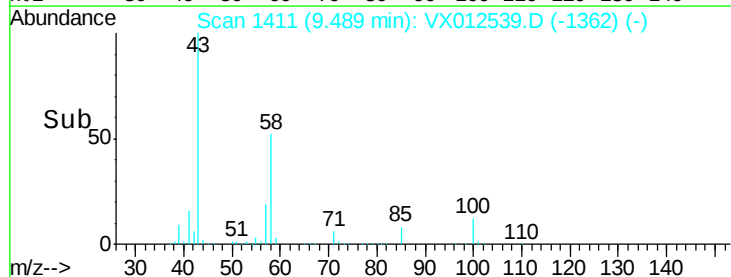
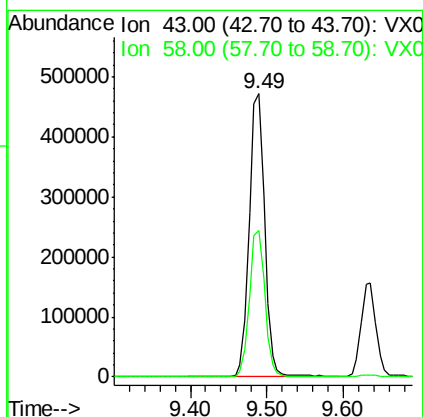
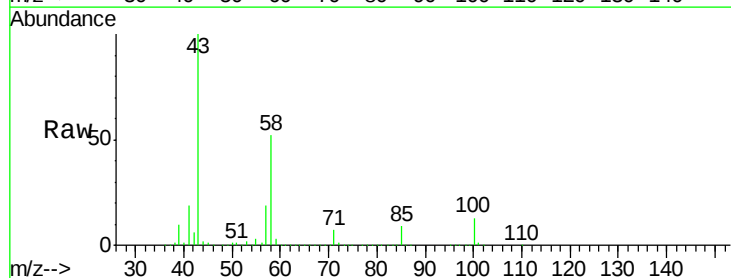
Acq: 19 Sep 2019 19:27

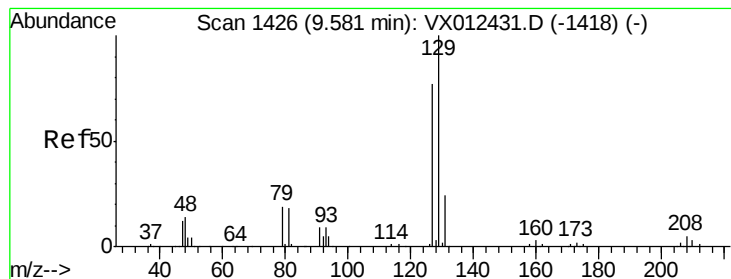
Tgt Ion: 43 Resp: 664807

Ion Ratio Lower Upper

43 100

58 51.9 25.7 77.1





#60

Dibromochloromethane

Concen: 51.174 ug/l

RT: 9.58 min Scan# 1426

Delta R.T. 0.00 min

Lab File: VX012539.D

Acq: 19 Sep 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

Z2-0157MS

Tot Ion:129 Resp: 105031

Ion Ratio Lower Upper

129 100

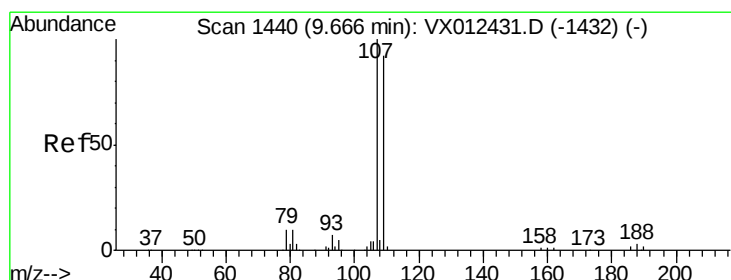
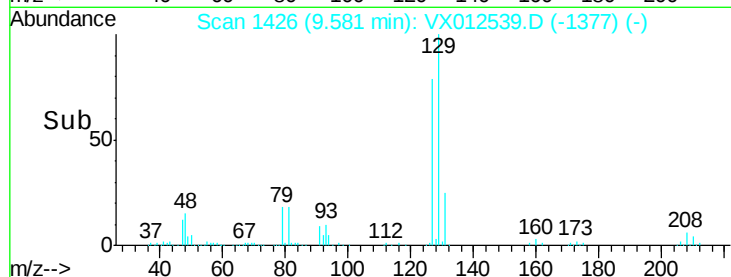
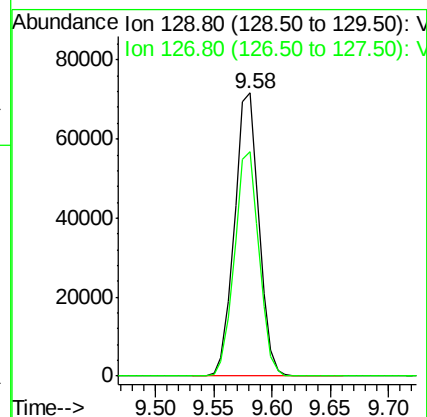
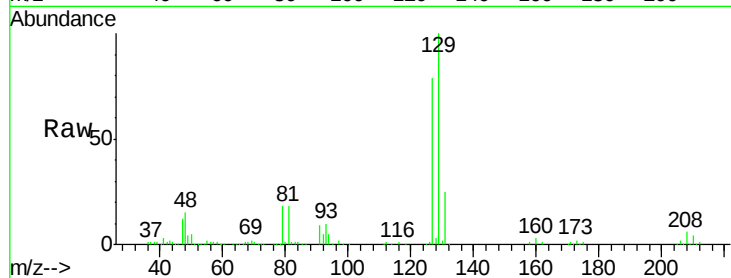
127 79.6 38.9 116.6

Manual Integrations

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#61

1,2-Dibromoethane

Concen: 52.073 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012539.D

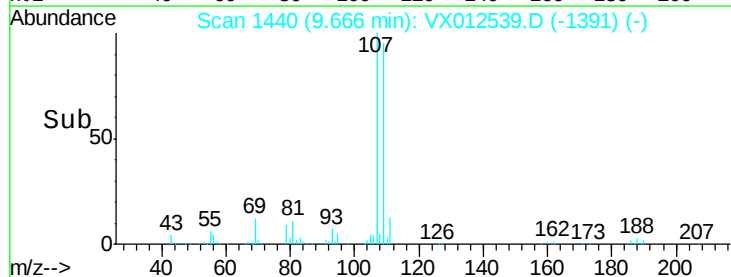
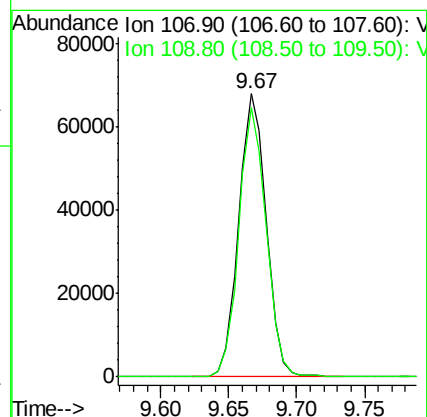
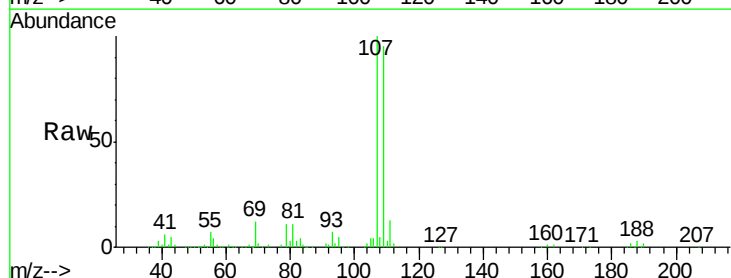
Acq: 19 Sep 2019 19:27

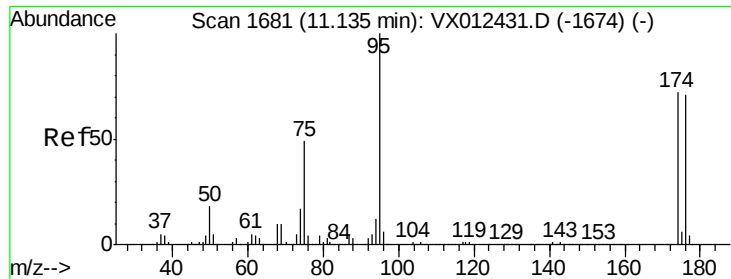
Tgt Ion:107 Resp: 95828

Ion Ratio Lower Upper

107 100

109 94.5 74.7 112.1





#62

4-Bromofluorobenzene

Concen: 47.027 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012539.D

Acq: 19 Sep 2019 19:27

Instrument :

MSVOA_X

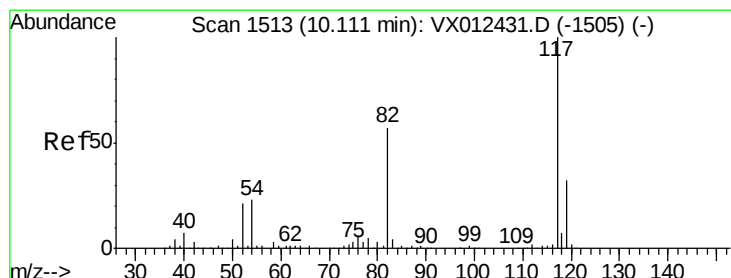
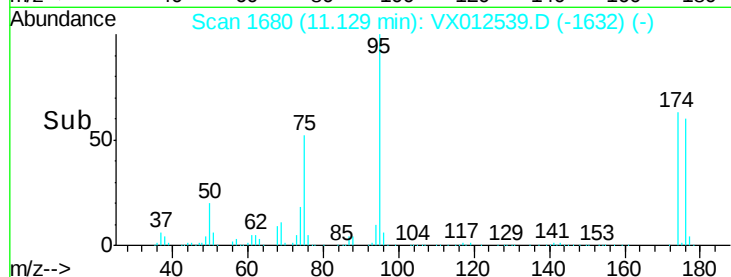
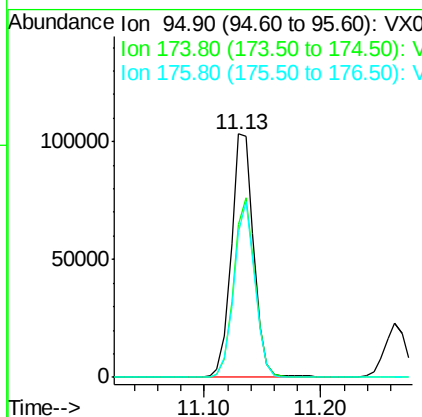
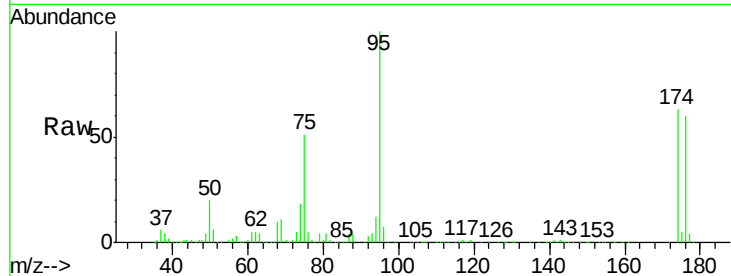
ClientSampled :

Z2-0157MS

Tot Ion:	95	Resp:	137382
Ion Ratio	Lower	Upper	
95	100		
174	70.3	0.0	140.0
176	67.6	0.0	135.4

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

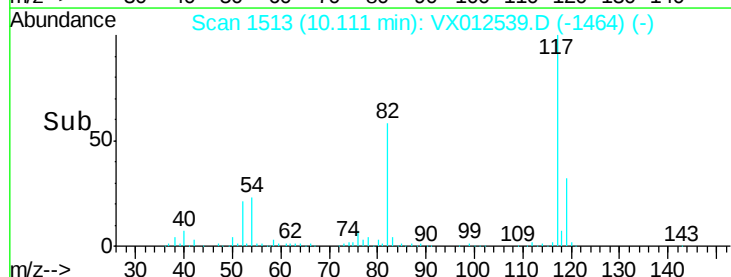
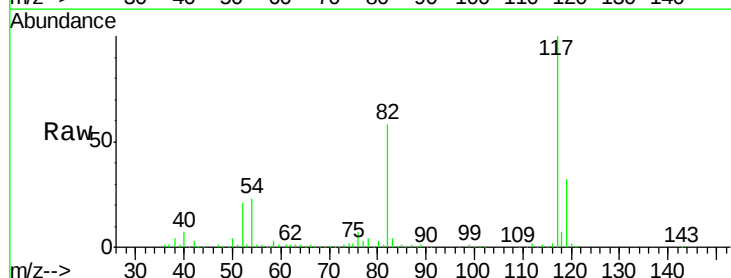
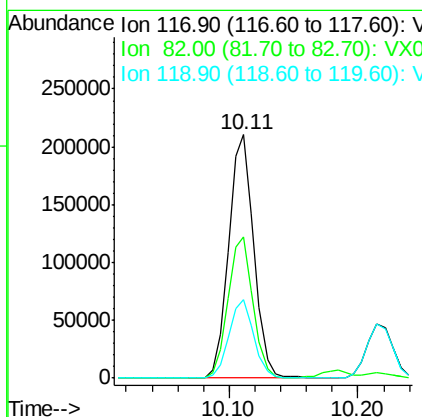
RT: 10.11 min Scan# 1513

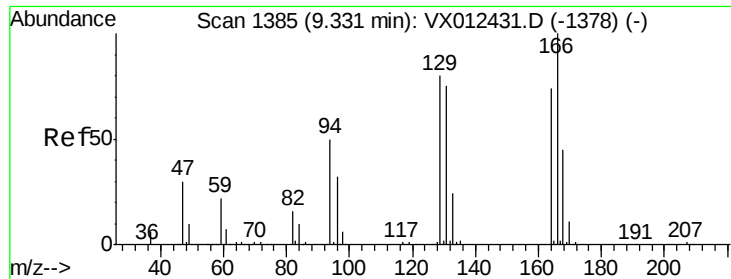
Delta R.T. 0.00 min

Lab File: VX012539.D

Acq: 19 Sep 2019 19:27

Tgt Ion:	117	Resp:	287449
Ion Ratio	Lower	Upper	
117	100		
82	58.0	45.9	68.9
119	32.3	25.3	37.9





#64

Tetrachloroethene

Concen: 58.454 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX012539.D

Acq: 19 Sep 2019 19:27

Instrument :

MSVOA_X

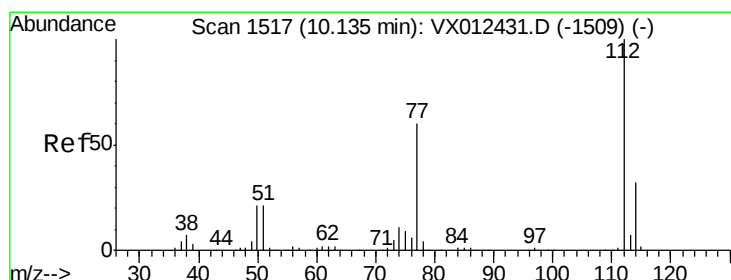
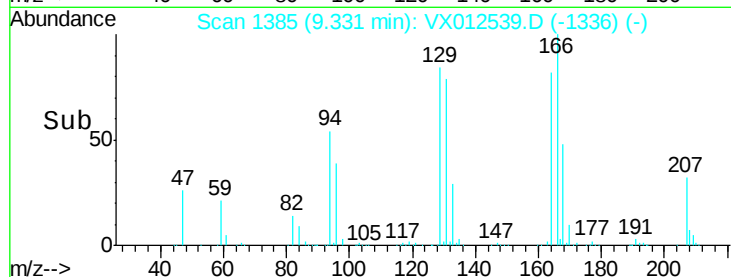
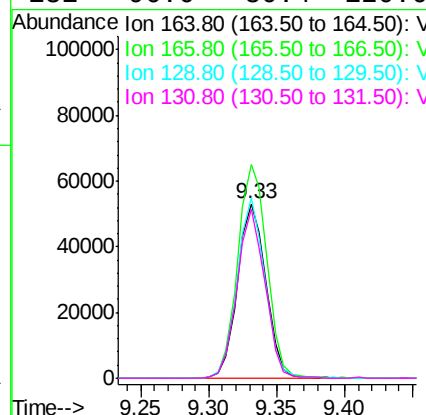
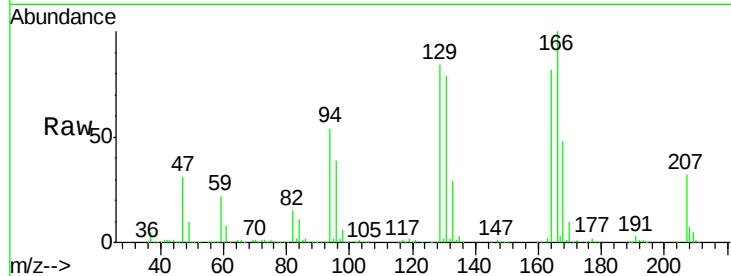
ClientSampled :

Z2-0157MS

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	122.3	107.8	161.6	
129	103.2	86.2	129.2	
131	96.6	80.4	120.6	

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#65

Chlorobenzene

Concen: 49.303 ug/l

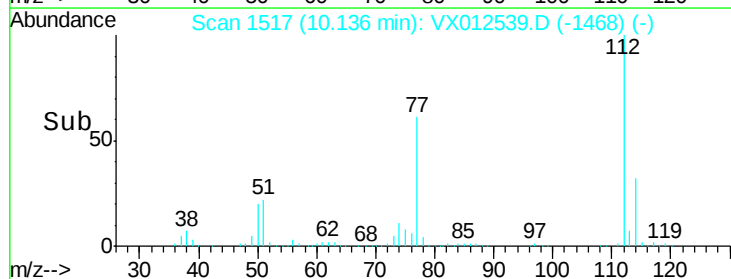
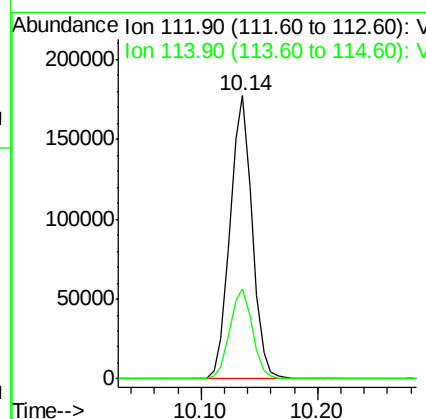
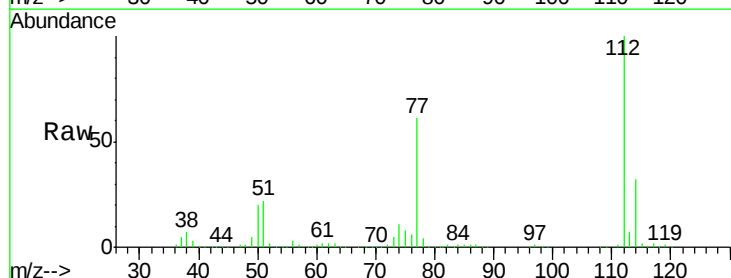
RT: 10.14 min Scan# 1517

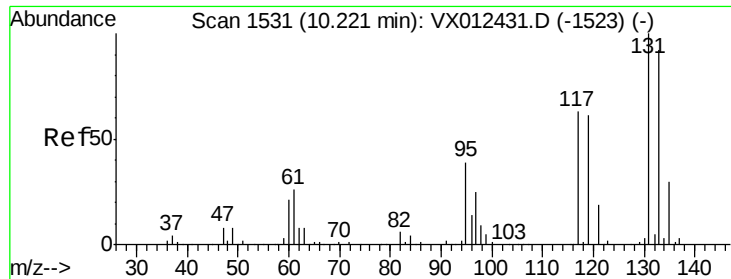
Delta R.T. 0.00 min

Lab File: VX012539.D

Acq: 19 Sep 2019 19:27

Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
114	31.8	25.4	38.0	





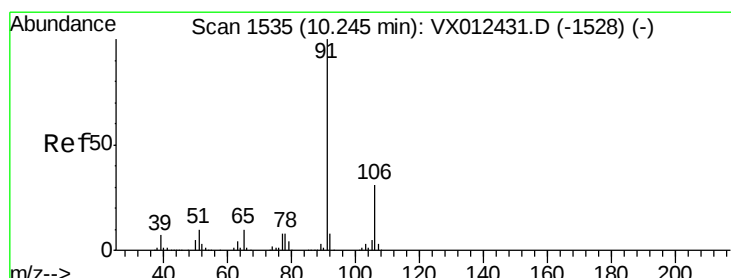
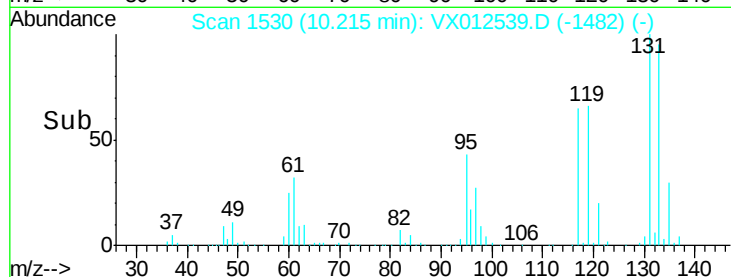
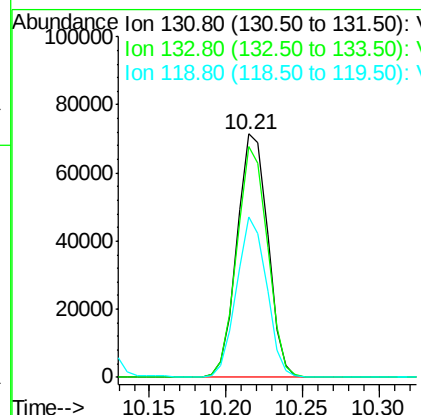
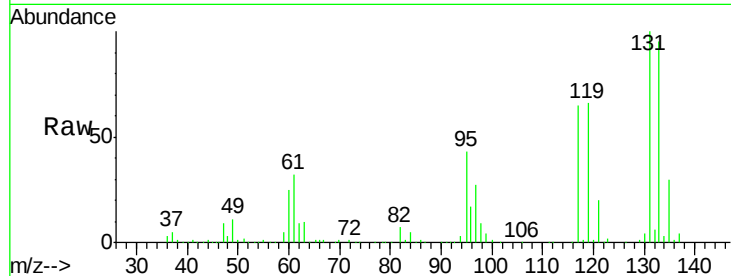
#66
 1,1,1,2-Tetrachloroethane
 Concen: 50.753 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VX012539.D
 Acq: 19 Sep 2019 19:27

Instrument :
 MSVOA_X
 ClientSampleId :
 Z2-0157MS

Tot Ion	Ratio	Lower	Upper
131	100		
133	94.3	47.6	142.9
119	64.5	31.3	93.8

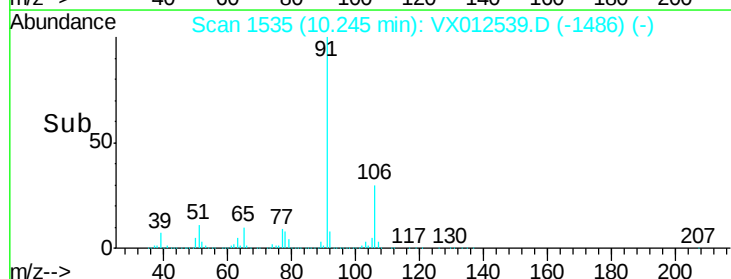
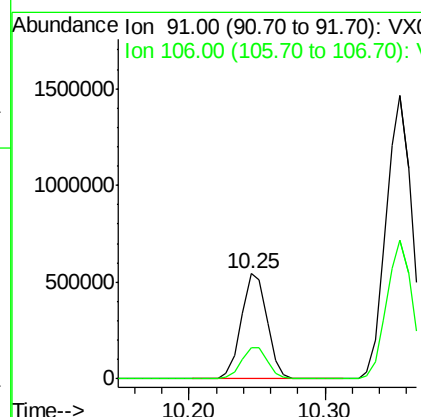
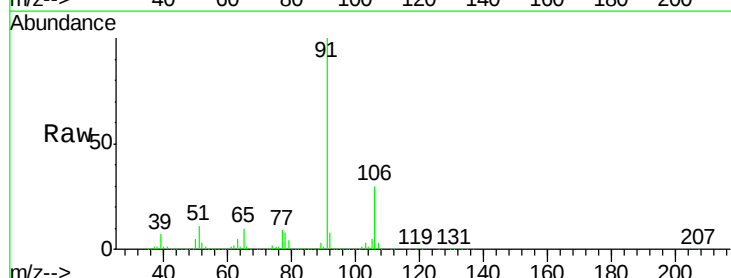
Manual Integrations
 APPROVED

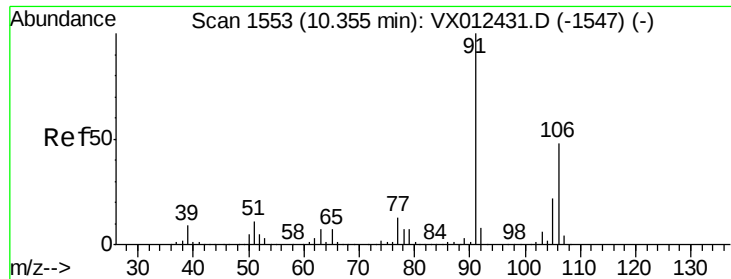
MMDadoda
 9/20/2019 10:45:49 AM



#67
 Ethyl Benzene
 Concen: 88.542 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VX012539.D
 Acq: 19 Sep 2019 19:27

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.7	24.6	37.0





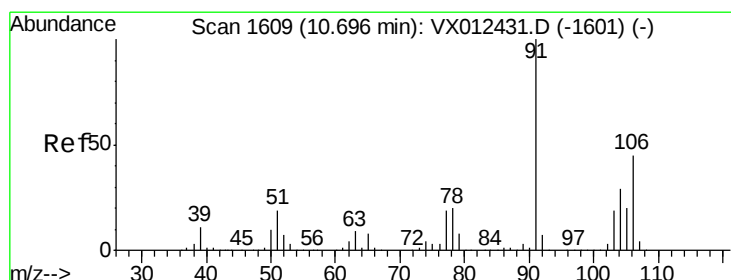
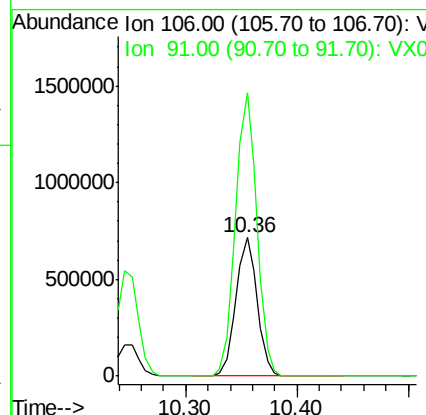
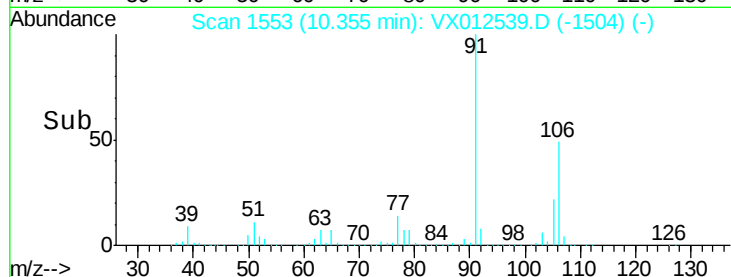
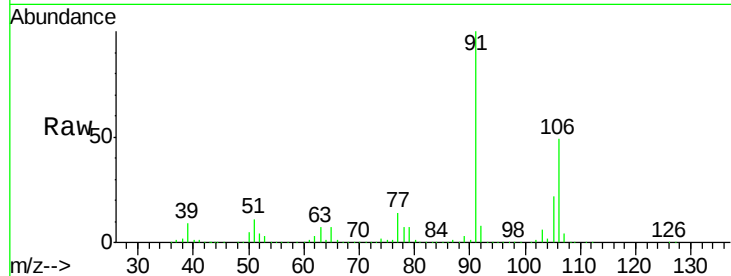
#68
m/p-Xylenes
Concen: 317.538 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012539.D
Acq: 19 Sep 2019 19:27

Instrument :
MSVOA_X
ClientSampleId :
Z2-0157MS

Tot Ion:106 Resp: 941741
Ion Ratio Lower Upper
106 100
91 207.0 166.6 250.0

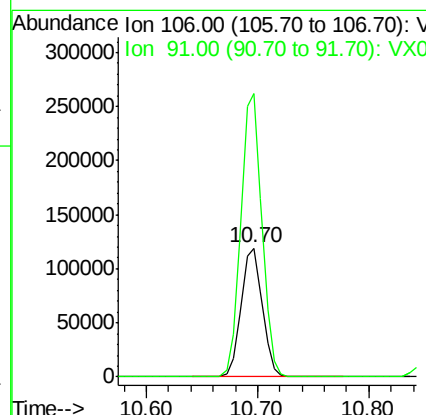
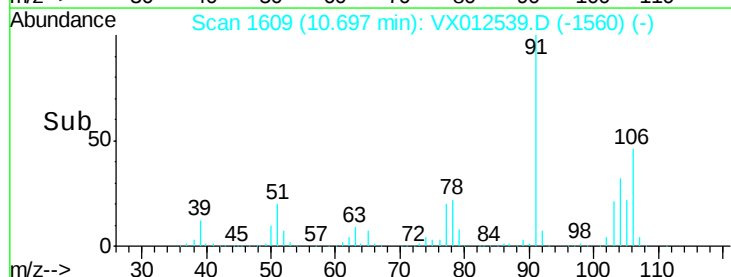
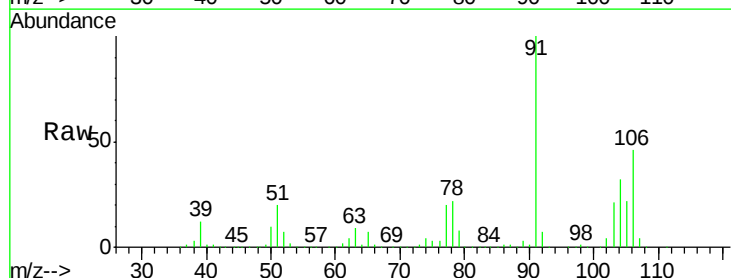
Manual Integrations
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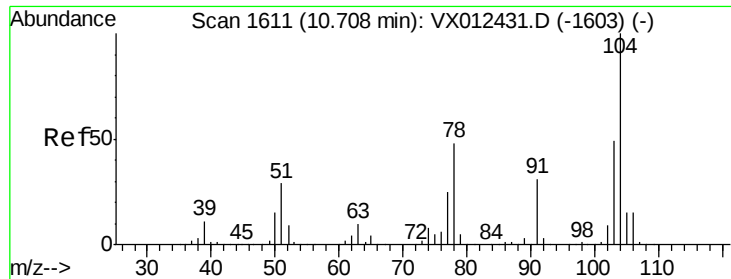
MMDadoda
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#69
o-Xylene
Concen: 51.369 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012539.D
Acq: 19 Sep 2019 19:27

Tgt Ion:106 Resp: 156676
Ion Ratio Lower Upper
106 100
91 217.6 109.4 328.2





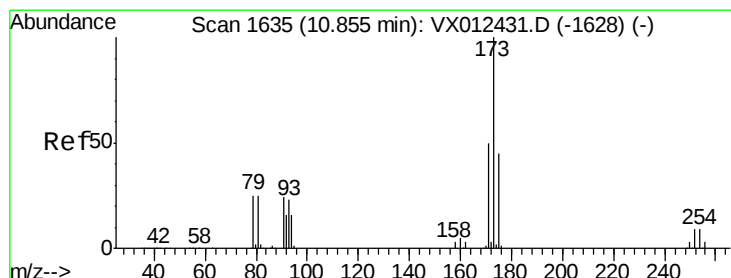
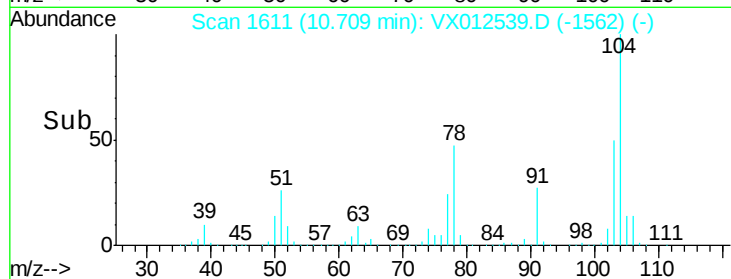
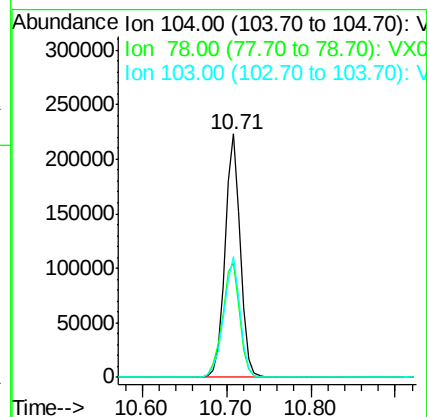
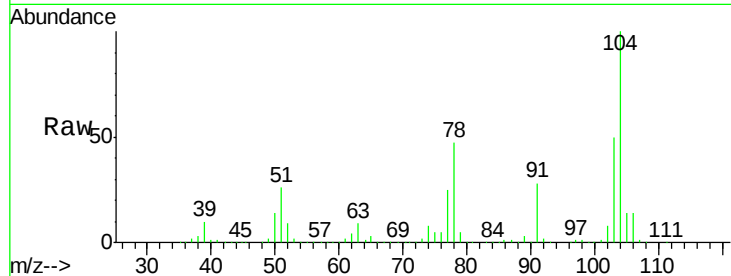
#70
Stvrene
Concen: 51.631 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012539.D
Acq: 19 Sep 2019 19:27

Instrument :
MSVOA_X
ClientSampleId :
Z2-0157MS

Tot Ion	Ratio	Resp	Lower	Upper
104	100	278623		
78	53.7		43.4	65.2
103	53.4		43.3	64.9

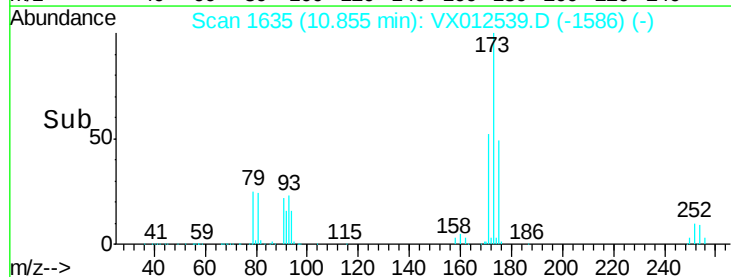
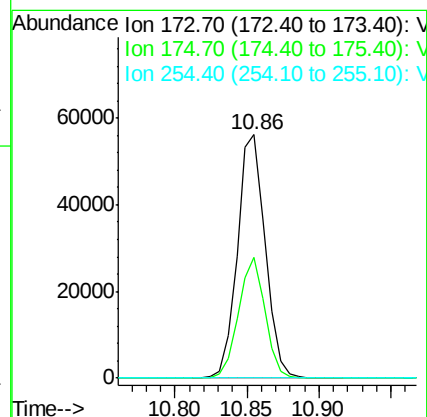
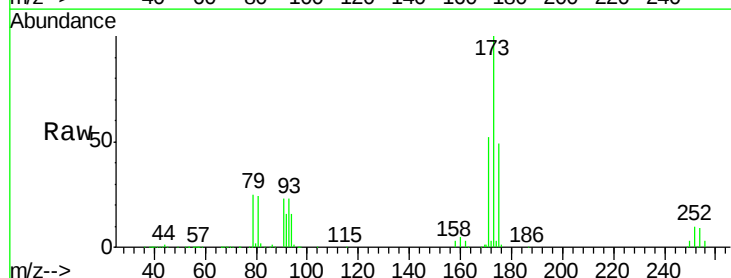
Manual Integrations
APPROVED

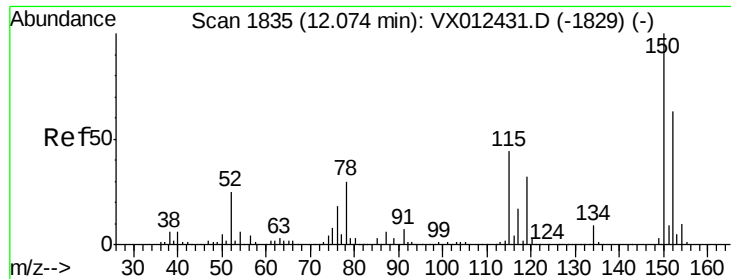
MMDadoda
9/20/2019 10:45:49 AM



#71
Bromoform
Concen: 45.071 ug/l
RT: 10.86 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX012539.D
Acq: 19 Sep 2019 19:27

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	75902		
175	47.3		23.7	71.1
254	0.2		0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012539.D

Acq: 19 Sep 2019 19:27

Instrument :

MSVOA_X

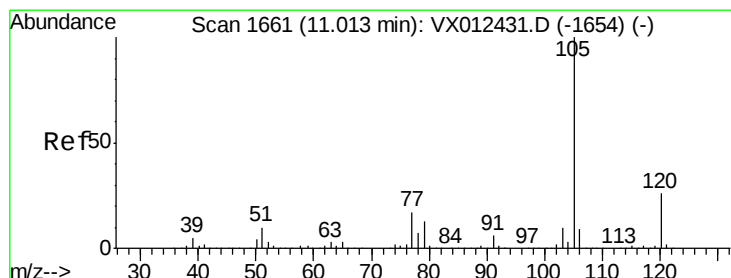
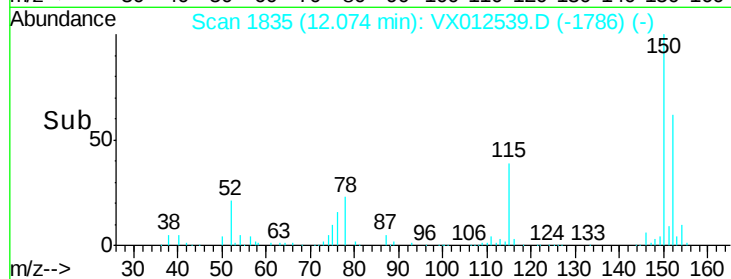
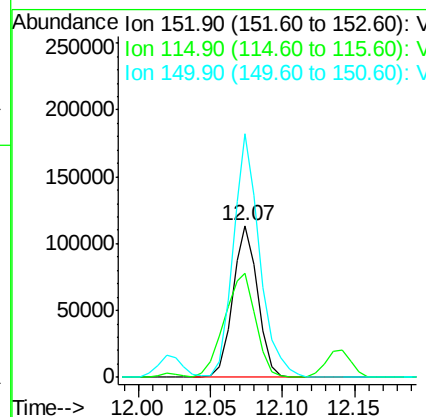
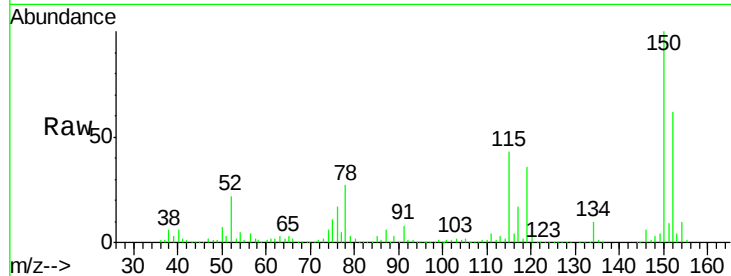
ClientSampleId :

Z2-0157MS

Tot Ion:	152	Resp:	137313
Ion Ratio	Lower	Upper	
152	100		
115	85.5	44.1	132.3
150	170.5	0.0	343.8

Manual Integrations
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#73

Isopropylbenzene

Concen: 92.814 ug/l

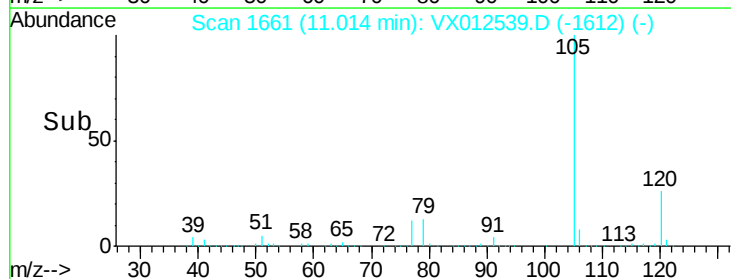
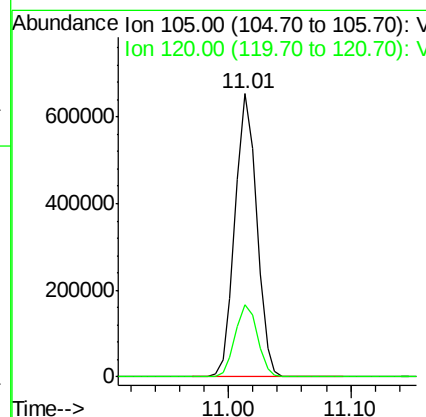
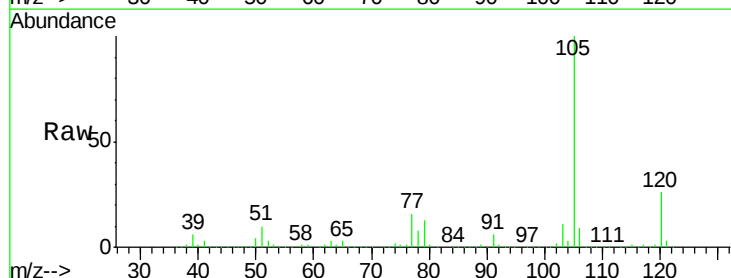
RT: 11.01 min Scan# 1661

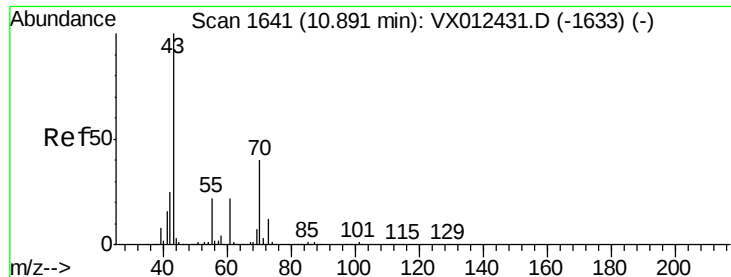
Delta R.T. 0.00 min

Lab File: VX012539.D

Acq: 19 Sep 2019 19:27

Tgt Ion:	105	Resp:	799646
Ion Ratio	Lower	Upper	
105	100		
120	26.0	12.9	38.7





#74

N-amvl acetate

Concen: 46.441 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012539.D

Acq: 19 Sep 2019 19:27

Instrument :

MSVOA_X

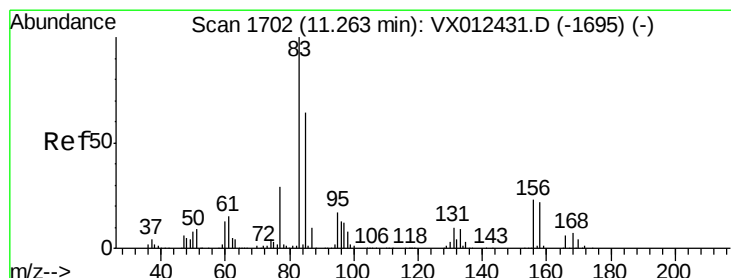
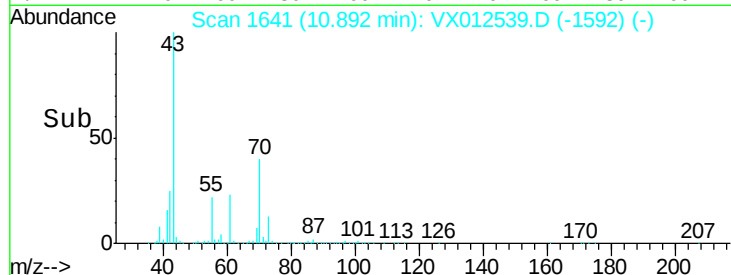
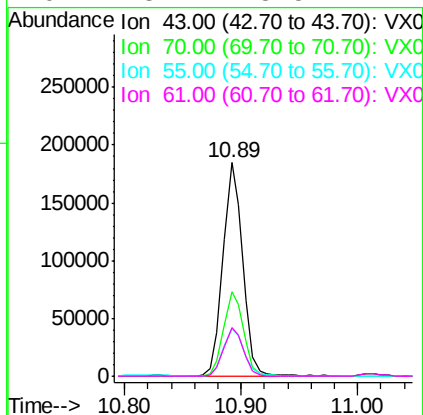
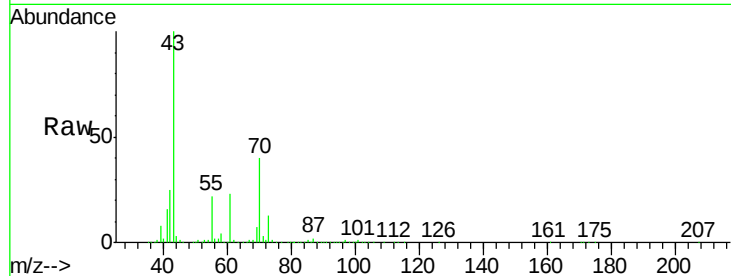
ClientSampled :

Z2-0157MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		215418		
70	40.6	32.4	48.6		
55	23.9	18.2	27.4		
61	23.2	18.5	27.7		

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 49.686 ug/l

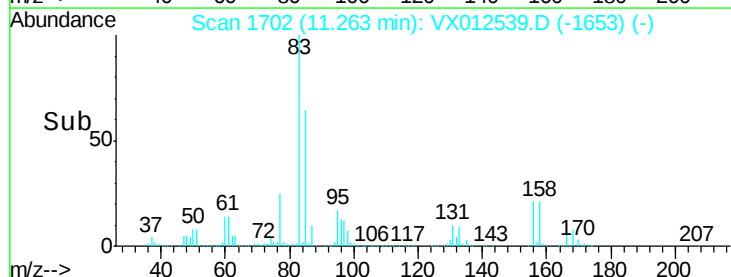
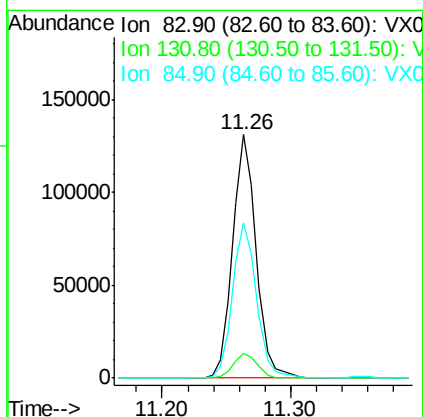
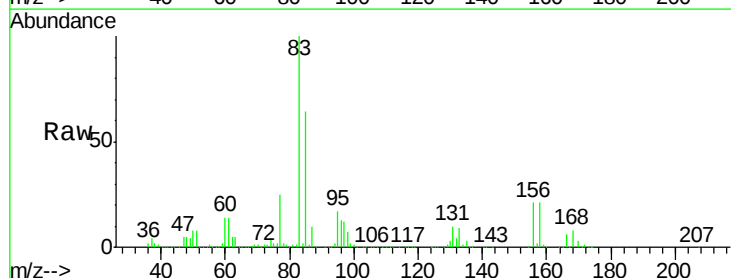
RT: 11.26 min Scan# 1702

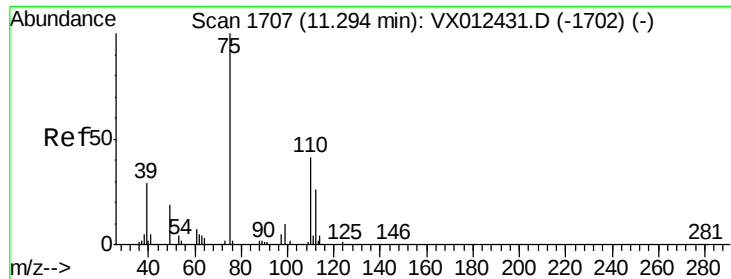
Delta R.T. 0.00 min

Lab File: VX012539.D

Acq: 19 Sep 2019 19:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		167924		
131	10.4	5.2	15.6		
85	65.0	32.0	96.0		





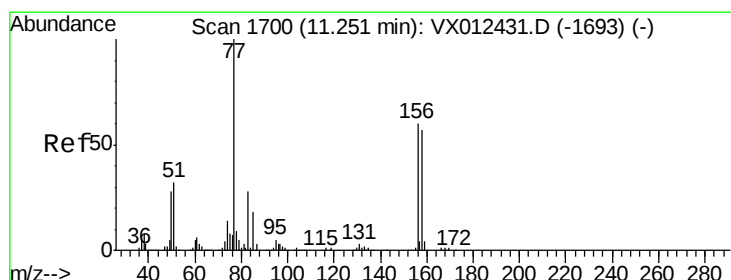
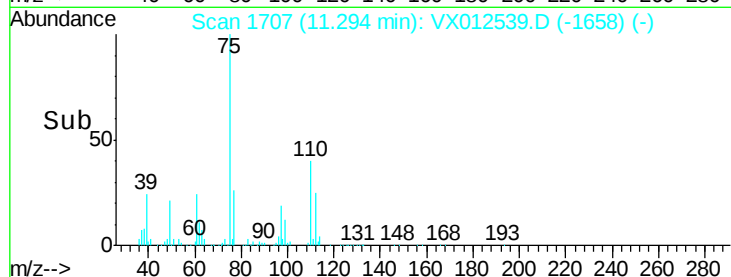
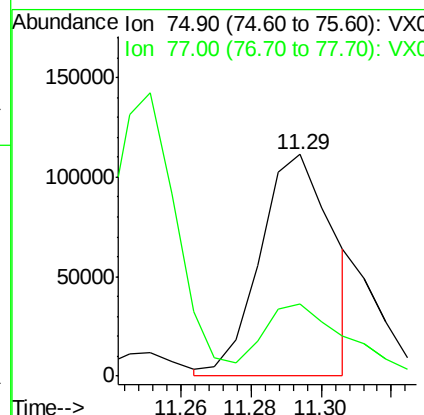
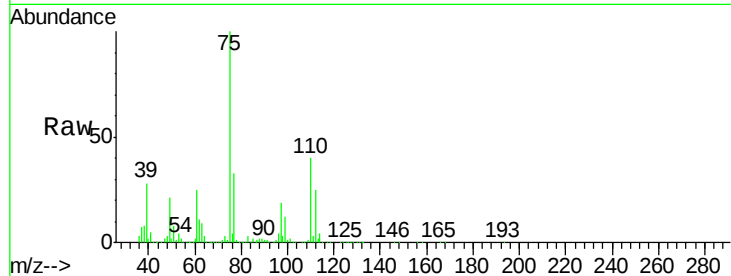
#76
 1,2,3-Trichloropropane
 Concen: 51.081 ug/l m
 RT: 11.29 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VX012539.D
 Acq: 19 Sep 2019 19:27

Instrument :
 MSVOA_X
 ClientSampleId :
 Z2-0157MS

Tot Ion: 75 Resp: 161119
 Ion Ratio Lower Upper
 75 100
 77 37.4 19.7 59.0

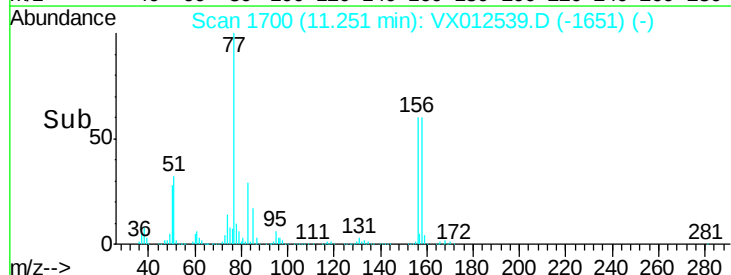
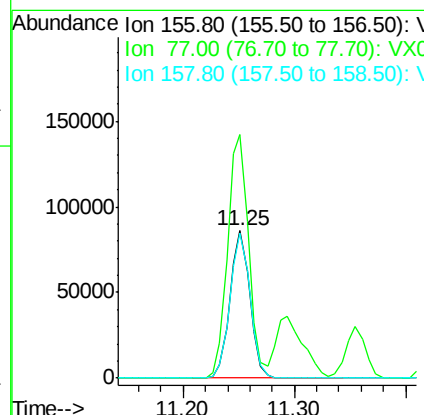
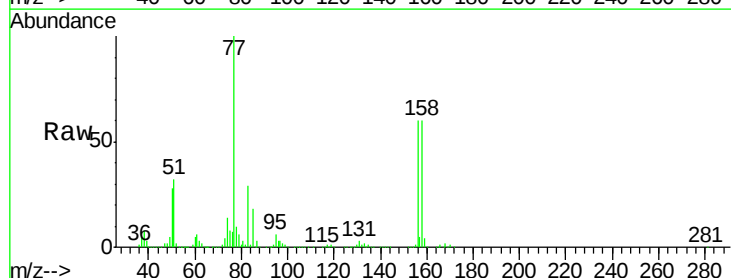
Manual Integrations
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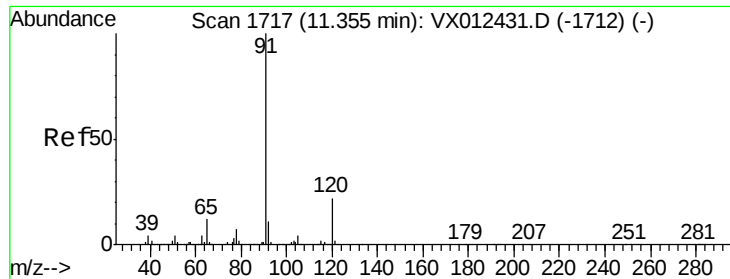
MMDadoda
 9/20/2019 10:45:49 AM



#77
 Bromobenzene
 Concen: 50.616 ug/l
 RT: 11.25 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VX012539.D
 Acq: 19 Sep 2019 19:27

Tgt Ion: 156 Resp: 106354
 Ion Ratio Lower Upper
 156 100
 77 174.5 87.3 261.8
 158 99.4 48.5 145.6





#78

n-propylbenzene

Concen: 88.742 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012539.D

Acq: 19 Sep 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

Z2-0157MS

Tot Ion: 91 Resp: 852135

Ion Ratio Lower Upper

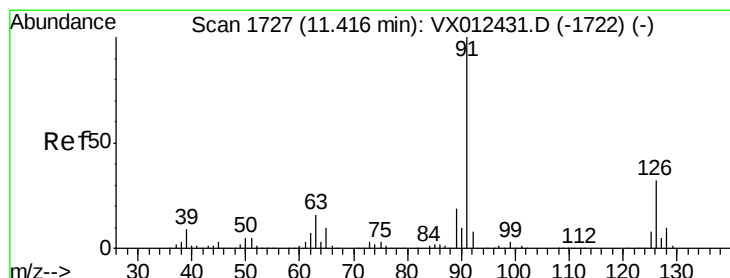
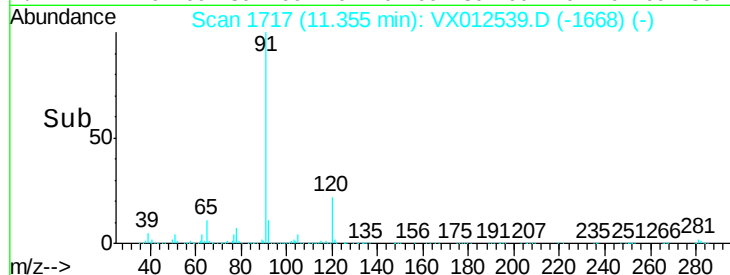
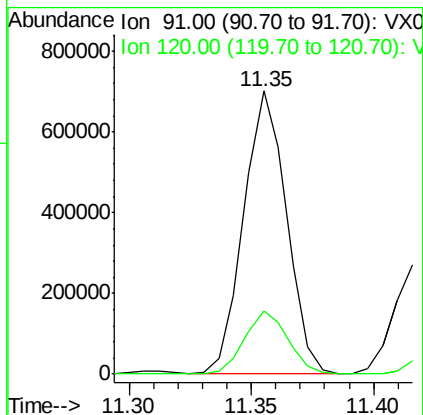
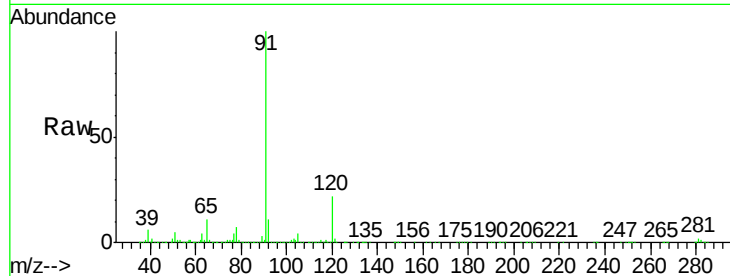
91 100

120 22.6 11.3 33.8

Manual Integrations
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#79

2-Chlorotoluene

Concen: 65.321 ug/l m

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX012539.D

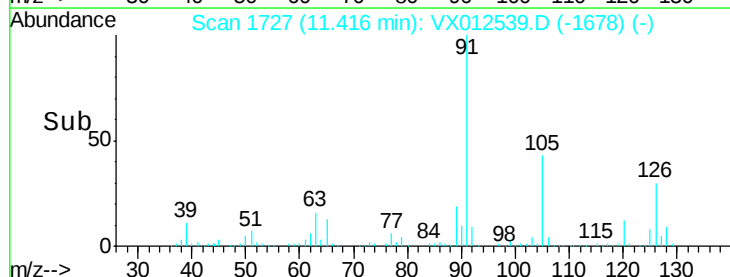
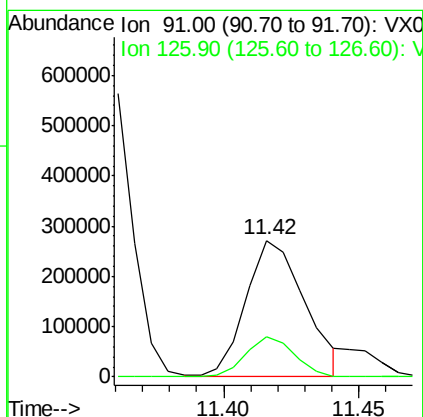
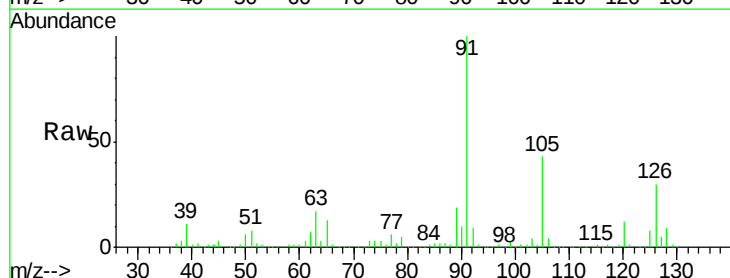
Acq: 19 Sep 2019 19:27

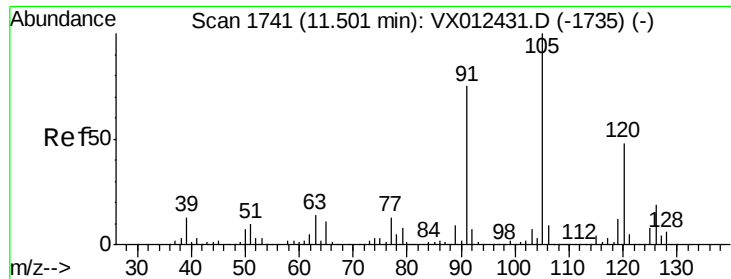
Tgt Ion: 91 Resp: 408056

Ion Ratio Lower Upper

91 100

126 24.6 16.4 49.4





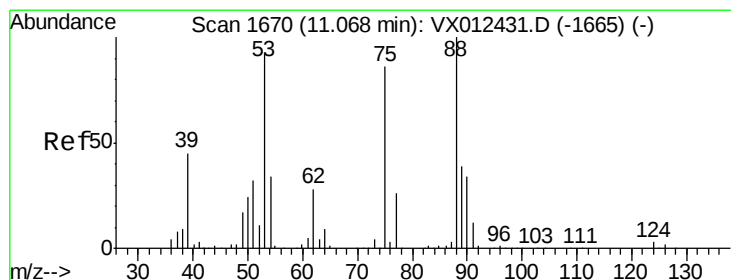
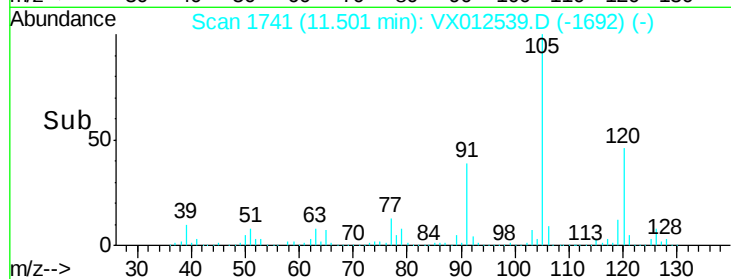
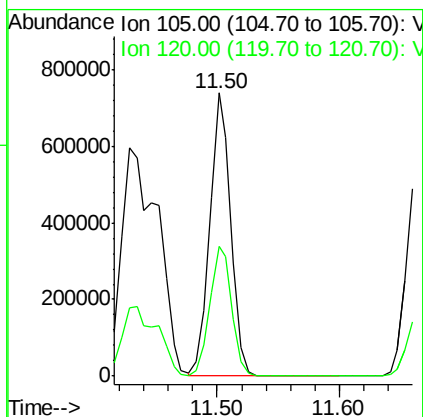
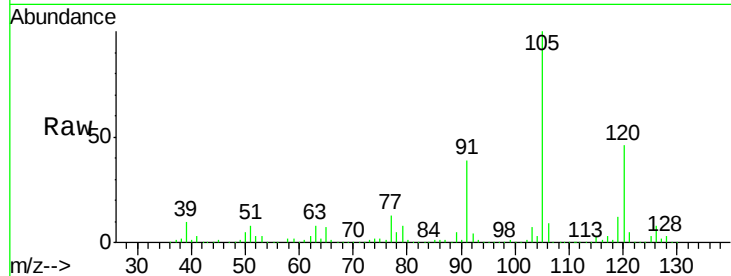
#80
 1,3,5-Trimethylbenzene
 Concen: 120.701 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012539.D
 Acq: 19 Sep 2019 19:27

Instrument :
 MSVOA_X
 ClientSampled :
 Z2-0157MS

Tot Ion:105 Resp: 886873
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.3 72.8

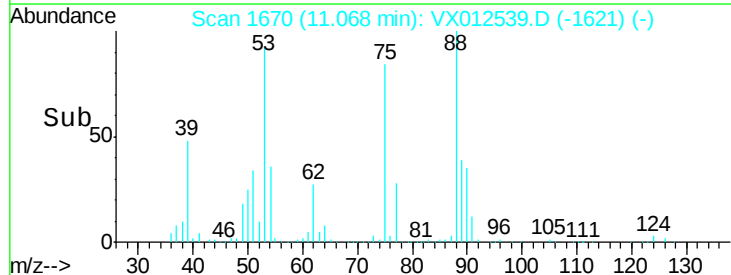
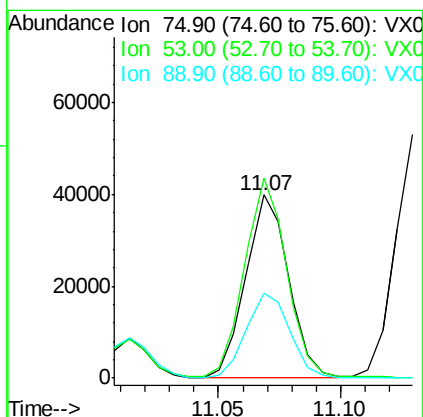
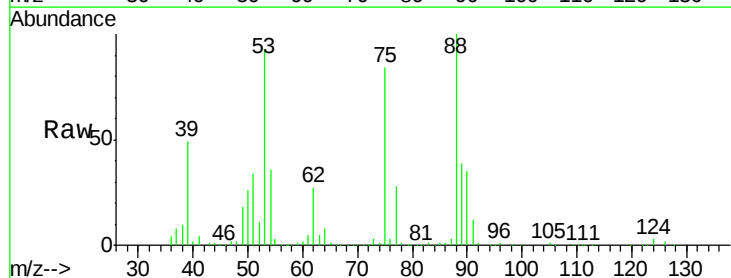
Manual Integrations
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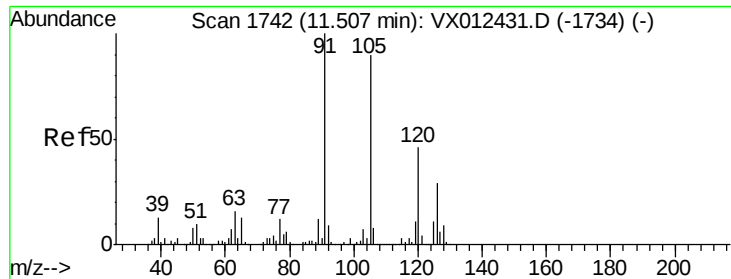
MMDadoda
 9/20/2019 10:45:49 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 42.858 ug/l
 RT: 11.07 min Scan# 1670
 Delta R.T. 0.00 min
 Lab File: VX012539.D
 Acq: 19 Sep 2019 19:27

Tgt Ion: 75 Resp: 48699
 Ion Ratio Lower Upper
 75 100
 53 107.9 83.6 125.4
 89 47.9 36.3 54.5





#82

4-Chlorotoluene

Concen: 57.375 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX012539.D

Acq: 19 Sep 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

Z2-0157MS

Tot Ion: 91 Resp: 411356

Ion Ratio Lower Upper

91 100

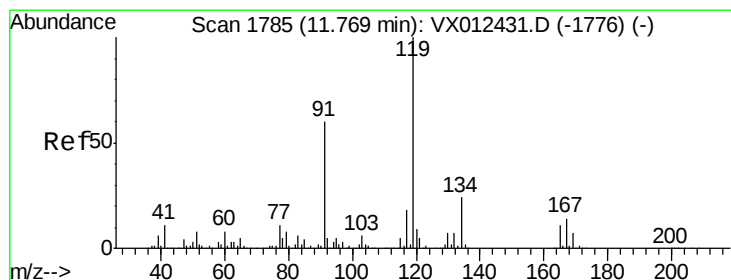
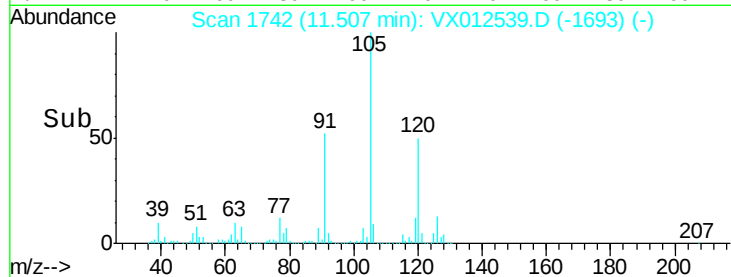
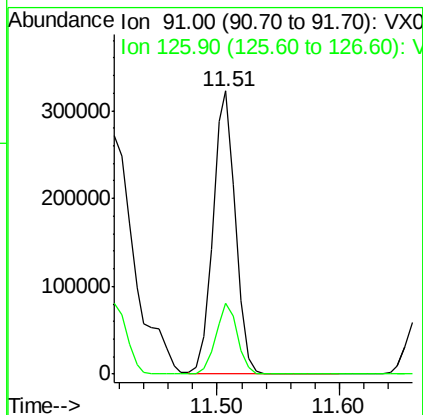
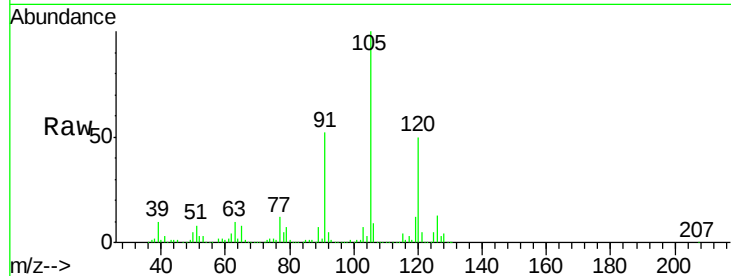
126 24.3 14.4 43.0

Manual Integrations

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#83

tert-Butylbenzene

Concen: 48.812 ug/l

RT: 11.77 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VX012539.D

Acq: 19 Sep 2019 19:27

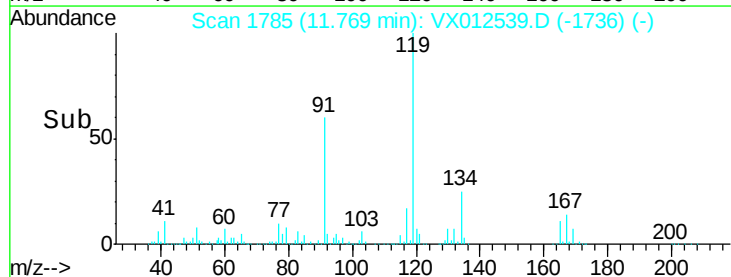
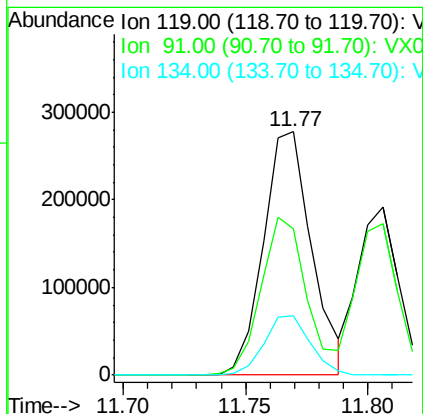
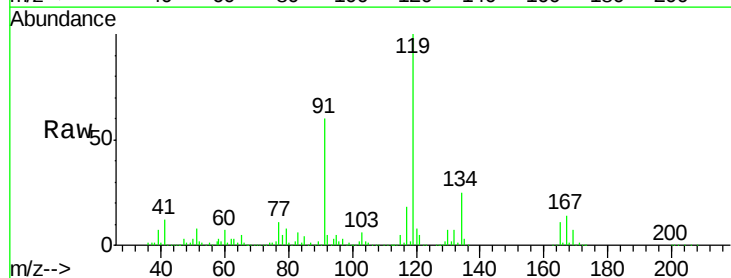
Tgt Ion: 119 Resp: 384318

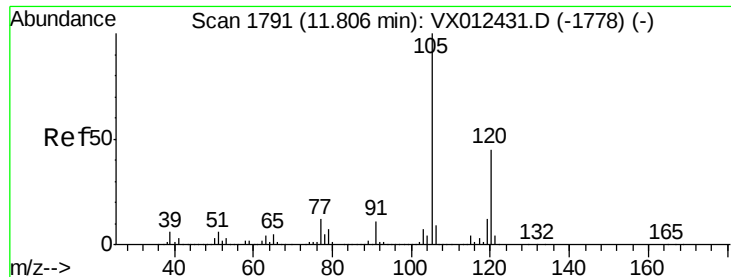
Ion Ratio Lower Upper

119 100

91 62.2 30.0 90.0

134 23.4 11.3 33.9





#84

1,2,4-Trimethylbenzene

Concen: 253.886 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX012539.D

Acq: 19 Sep 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

Z2-0157MS

Tot Ion:105 Resp: 1915422

Ion Ratio Lower Upper

105 100

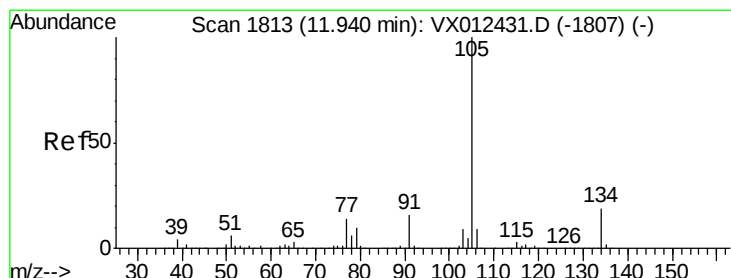
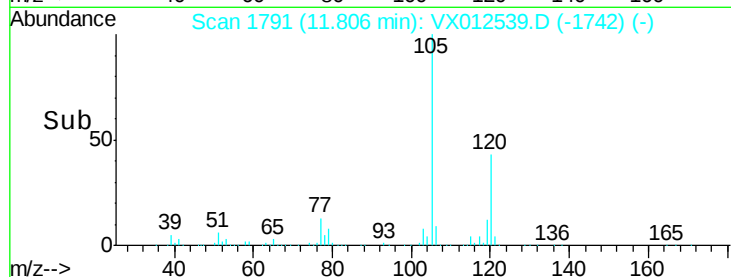
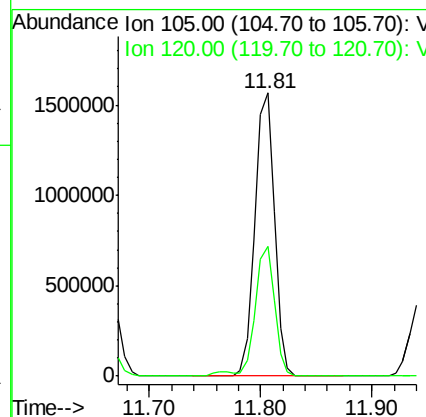
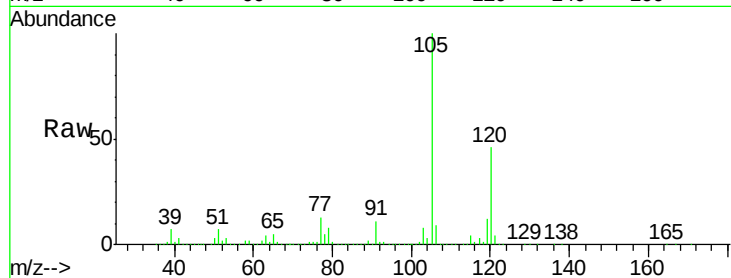
120 45.0 22.2 66.6

Manual Integrations

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#85

sec-Butylbenzene

Concen: 54.083 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012539.D

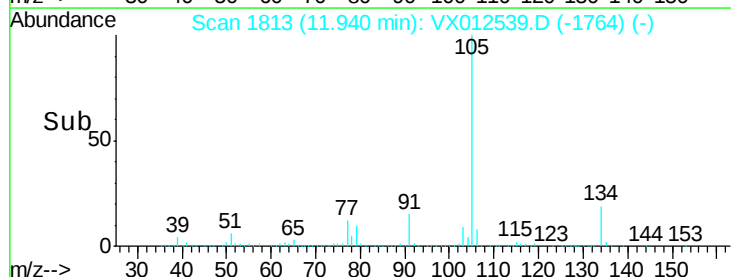
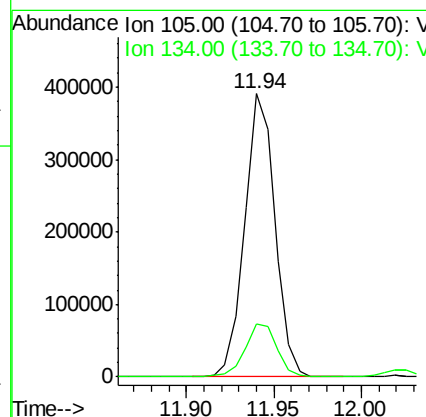
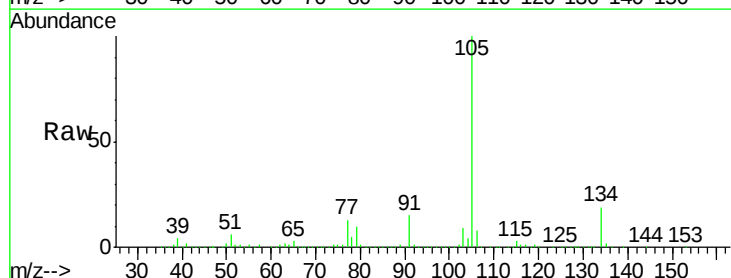
Acq: 19 Sep 2019 19:27

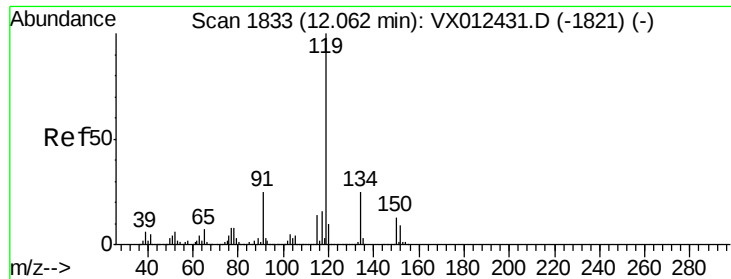
Tgt Ion:105 Resp: 469215

Ion Ratio Lower Upper

105 100

134 20.0 9.8 29.4





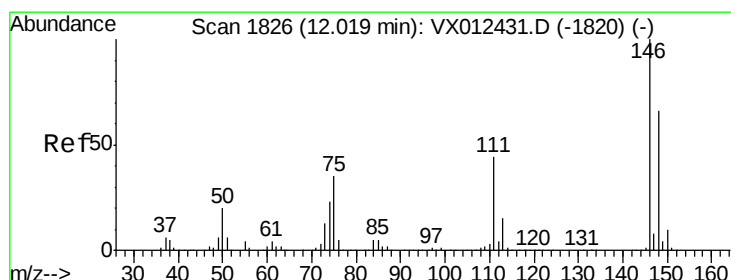
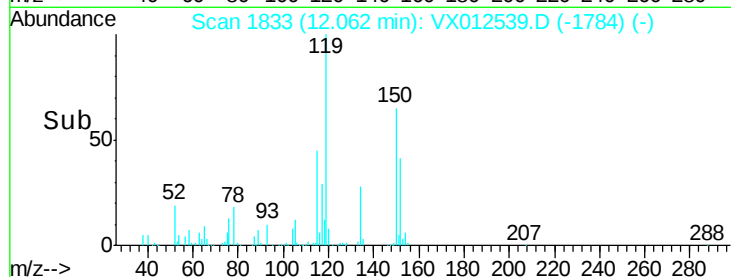
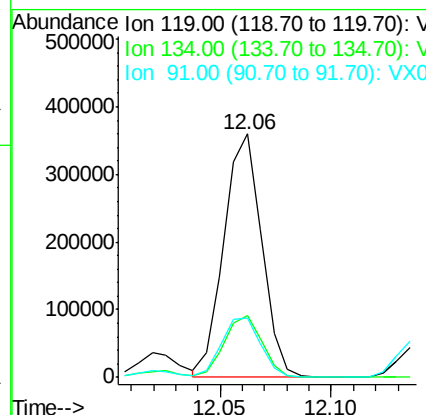
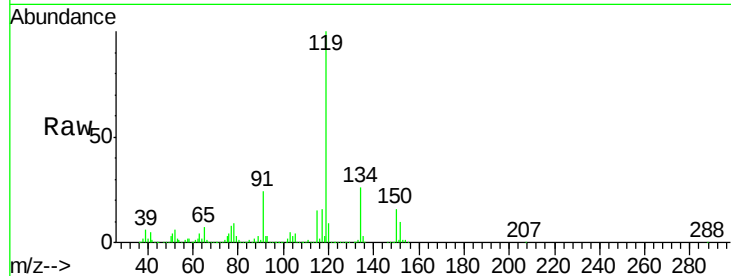
#86
p-Isopropyltoluene
Concen: 53.262 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX012539.D
Acq: 19 Sep 2019 19:27

Instrument :
MSVOA_X
ClientSampleId :
Z2-0157MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	424318		
134	25.6	12.7	38.1	
91	25.5	12.8	38.4	

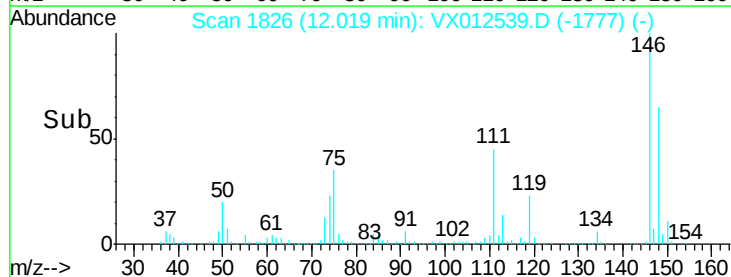
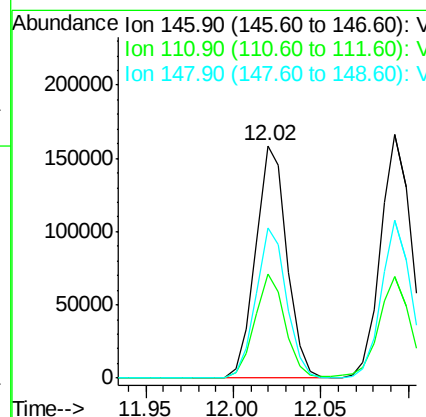
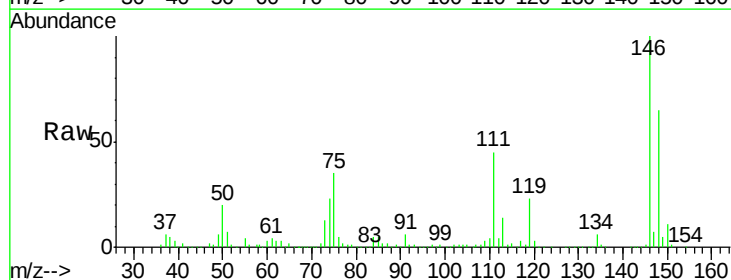
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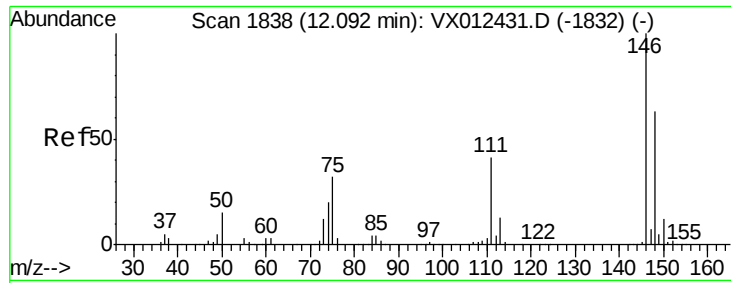
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#87
1,3-Dichlorobenzene
Concen: 49.881 ug/l
RT: 12.02 min Scan# 1826
Delta R.T. 0.00 min
Lab File: VX012539.D
Acq: 19 Sep 2019 19:27

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	197155		
111	43.5	21.3	64.0	
148	63.0	32.4	97.2	





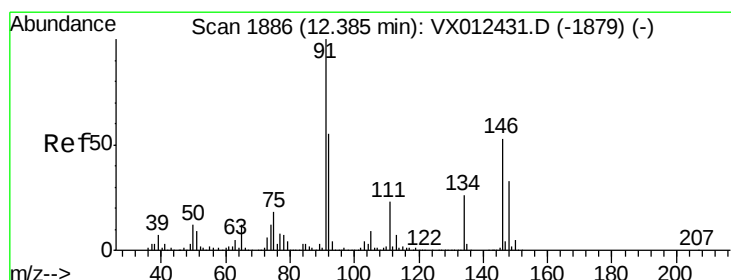
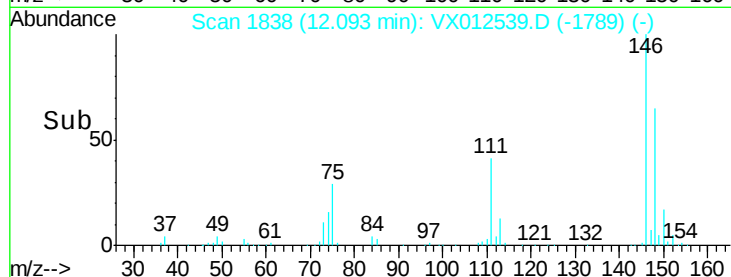
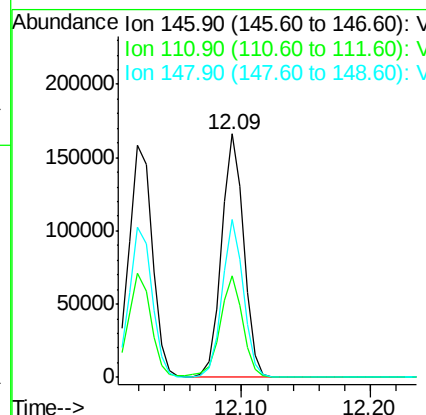
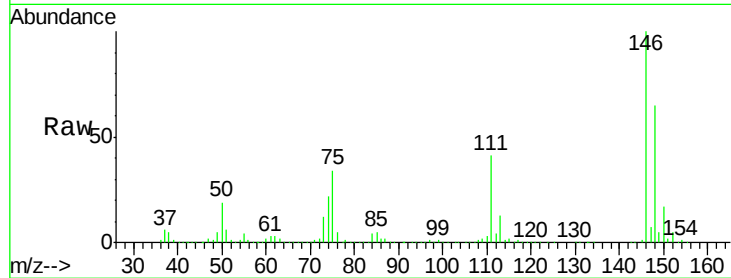
#88
 1,4-Dichlorobenzene
 Concen: 49.745 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012539.D
 Acq: 19 Sep 2019 19:27

Instrument :
 MSVOA_X
 ClientSampled :
 Z2-0157MS

Tot Ion	Ratio	Resp	Lower	Upper
146	100	201969		
111	42.1		21.1	63.3
148	62.5		32.1	96.5

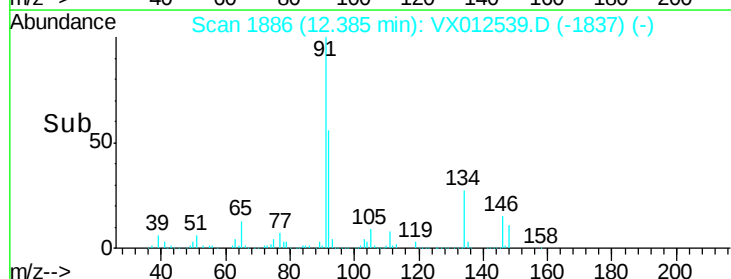
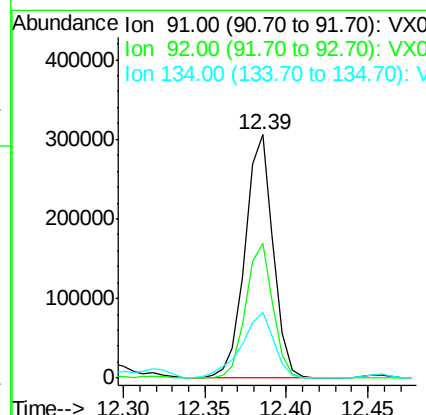
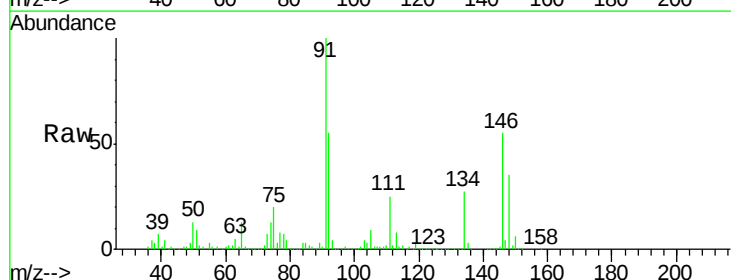
Manual Integrations
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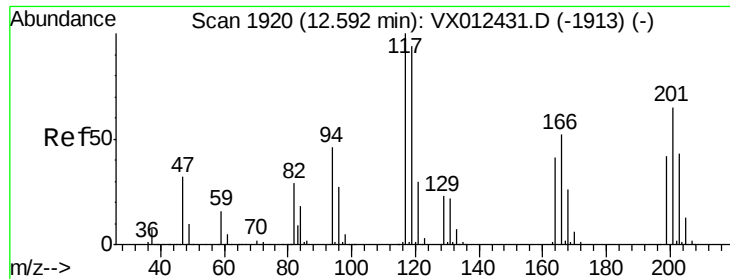
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#89
 n-Butylbenzene
 Concen: 51.502 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012539.D
 Acq: 19 Sep 2019 19:27

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	366083		
92	53.4		27.7	83.0
134	31.5		12.9	38.6





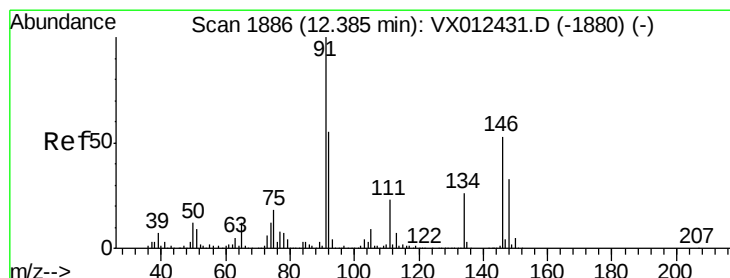
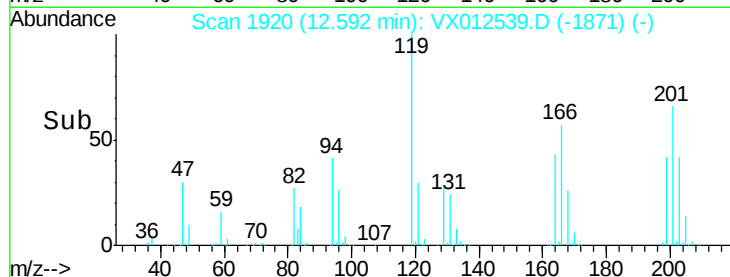
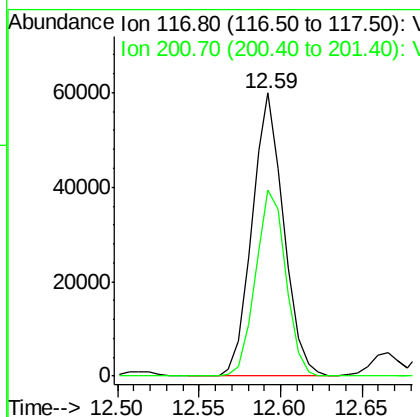
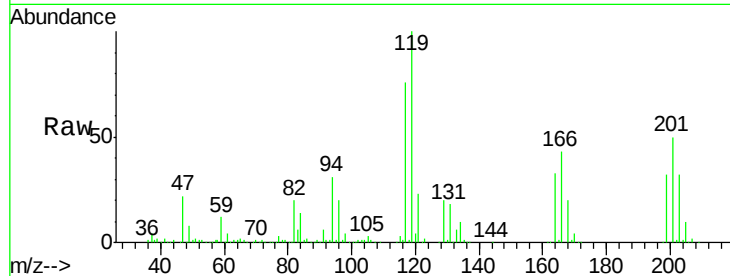
#90
Hexachloroethane
Concen: 55.173 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012539.D
Acq: 19 Sep 2019 19:27

Instrument :
MSVOA_X
ClientSampleId :
Z2-0157MS

Tot Ion	Ratio	Resp	Lower	Upper
117	100	80595		
201	62.6	33.3	99.8	

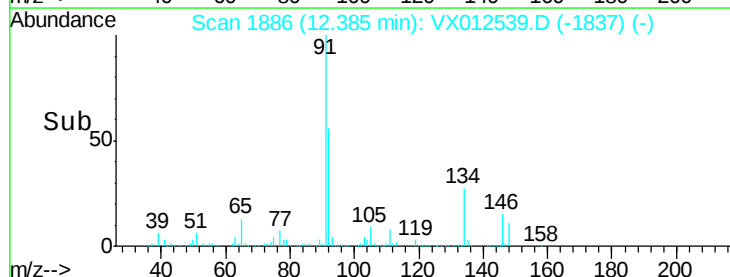
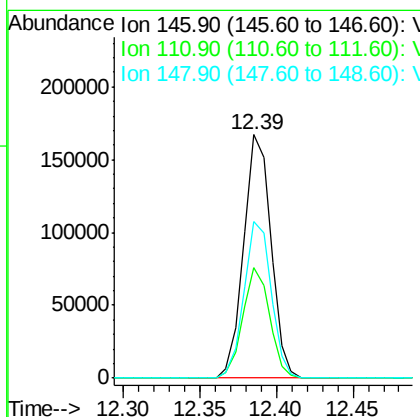
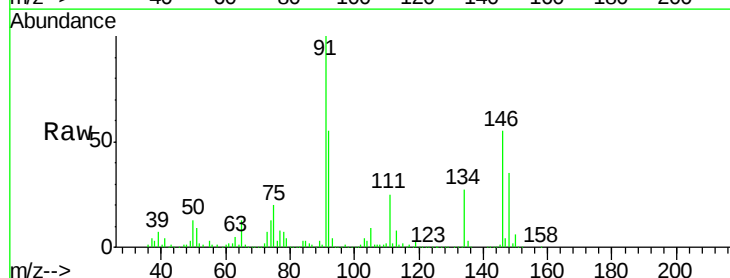
Manual Integrations
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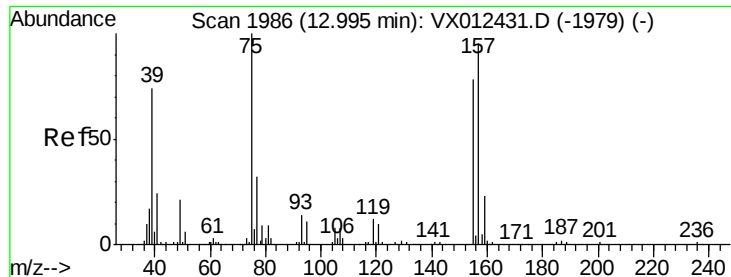
MMDadoda
9/20/2019 10:45:49 AM



#91
1,2-Dichlorobenzene
Concen: 50.363 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012539.D
Acq: 19 Sep 2019 19:27

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	208054		
111	44.6	22.1	66.1	
148	64.2	31.3	93.9	





#92

1,2-Dibromo-3-Chloropropane

Concen: 53.139 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VX012539.D

Acq: 19 Sep 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

Z2-0157MS

Tot Ion: 75 Resp: 46560

Ion Ratio Lower Upper

75 100

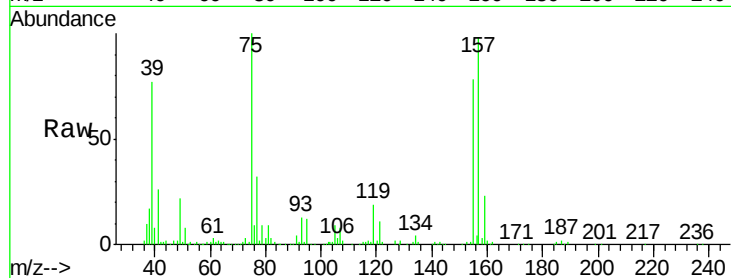
155 76.7 38.6 115.8

157 94.6 50.6 151.9

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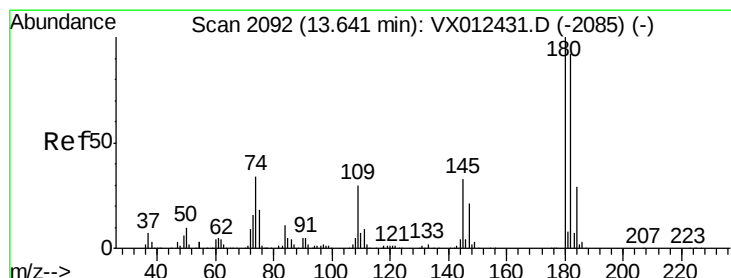
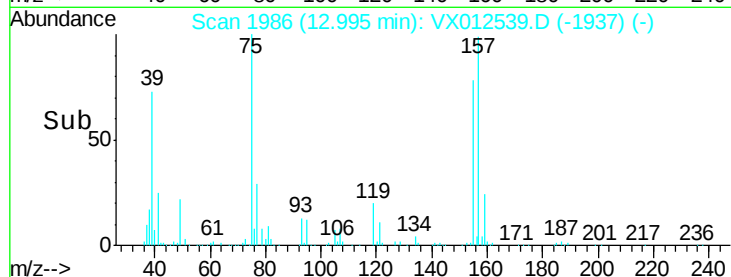
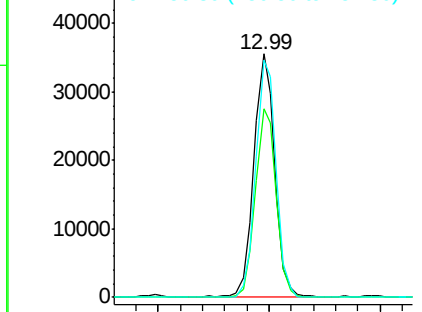
9/20/2019 10:45:49 AM



Abundance Ion 74.90 (74.60 to 75.60): VX

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 51.997 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX012539.D

Acq: 19 Sep 2019 19:27

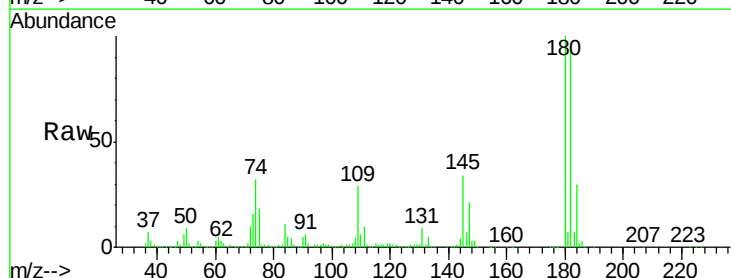
Tgt Ion: 180 Resp: 138359

Ion Ratio Lower Upper

180 100

182 93.0 47.0 141.0

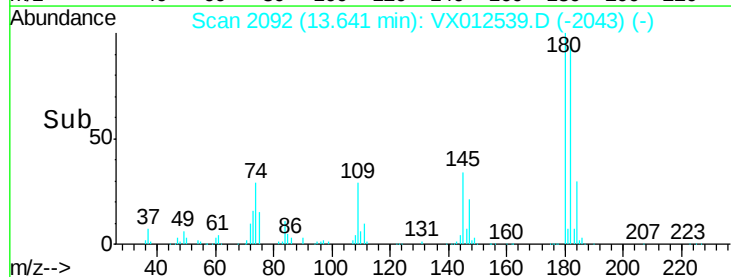
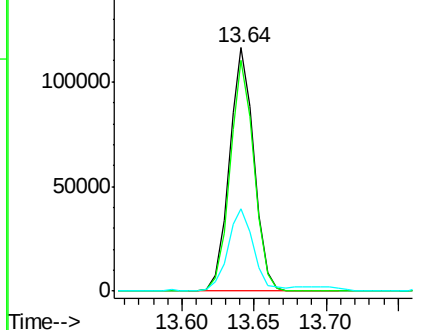
145 35.2 16.8 50.4

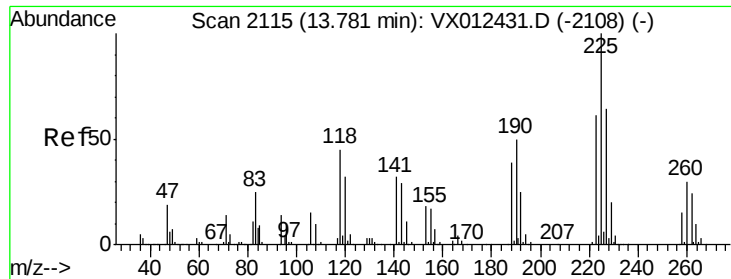


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





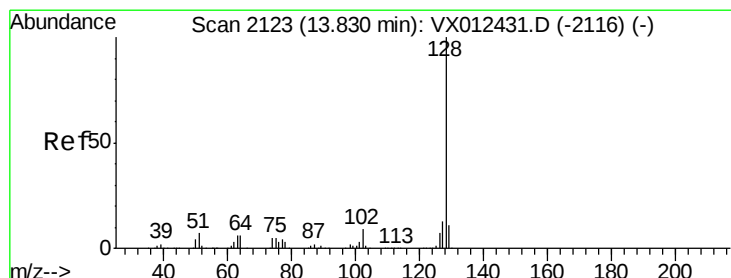
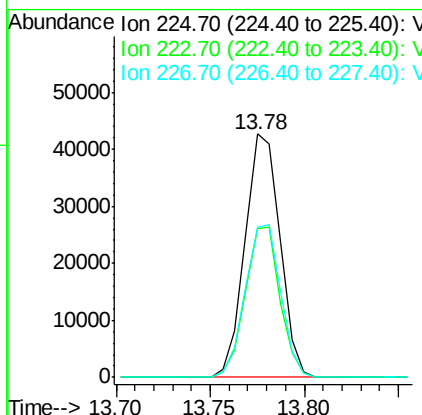
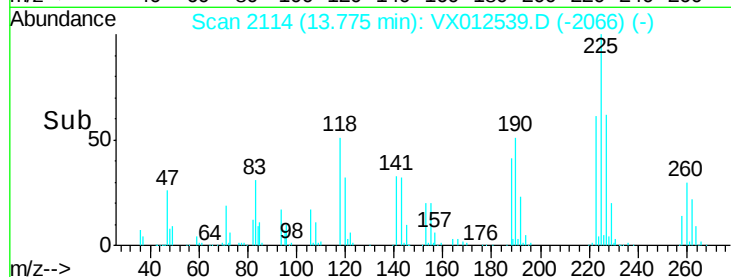
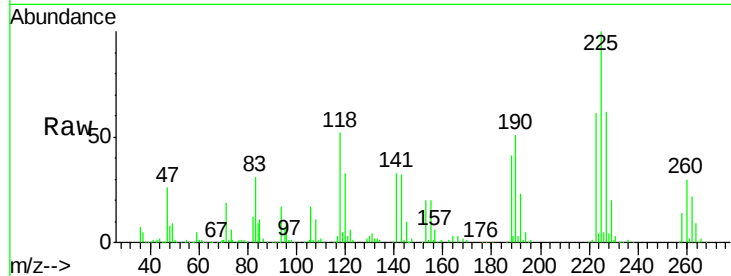
#94
Hexachlorobutadiene
Concen: 43.883 ug/l
RT: 13.78 min Scan# 2114
Delta R.T. -0.01 min
Lab File: VX012539.D
Acq: 19 Sep 2019 19:27

Instrument :
MSVOA_X
ClientSampleId :
Z2-0157MS

Tot Ion	Ratio	Resp Lower	Upper
225	100		
223	61.2	32.0	96.2
227	63.8	31.9	95.5

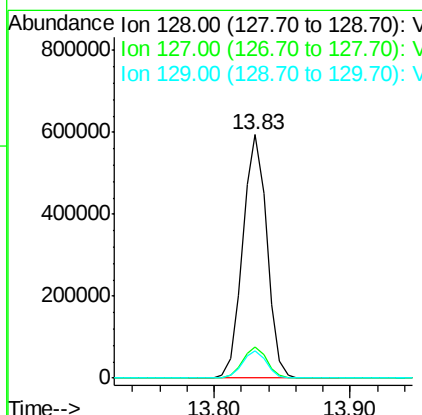
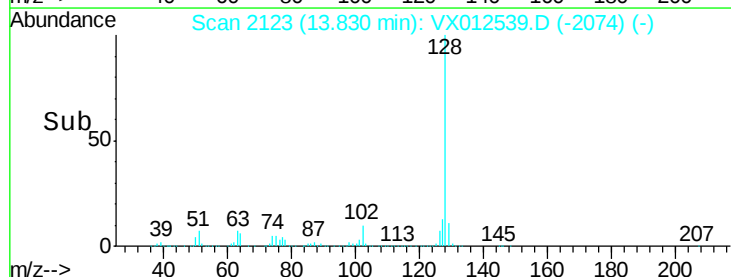
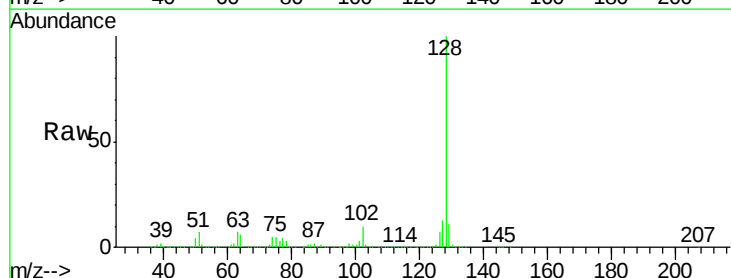
Manual Integrations
APPROVED

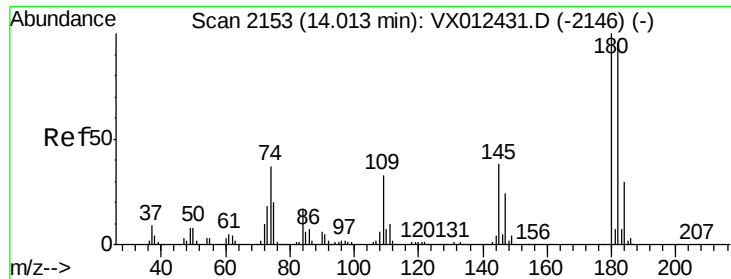
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9/20/2019 10:45:49 AM



#95
Naphthalene
Concen: 77.667 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012539.D
Acq: 19 Sep 2019 19:27

Tgt Ion	Ratio	Resp Lower	Upper
128	100		
127	12.9	10.2	15.4
129	11.2	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 51.957 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VX012539.D
 Acq: 19 Sep 2019 19:27

Instrument :
 MSVOA_X
 ClientSampleId :
 Z2-0157MS

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	96.1	47.1	141.3
145	38.3	18.0	54.0

Manual Integrations
 APPROVED

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 9/20/2019 10:45:49 AM

