

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092319\
 Data File : VX012609.D
 Acq On : 23 Sep 2019 17:07
 Operator : JC/SP
 Sample : VX0923WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0923WBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 10:05:46 AM

Quant Time: Sep 24 02:22:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	191195	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	339777	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	308139	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	133520	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	152362	54.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.44%	
35) Dibromofluoromethane	5.49	113	111218	54.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.92%	
50) Toluene-d8	8.71	98	425365	54.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.18%	
62) 4-Bromofluorobenzene	11.14	95	161889	52.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	41475	19.283	ug/l	97
3) Chloromethane	1.32	50	48261	19.540	ug/l	99
4) Vinyl Chloride	1.40	62	47750	19.451	ug/l	95
5) Bromomethane	1.63	94	23789	24.646	ug/l	99
6) Chloroethane	1.72	64	30549	18.459	ug/l	95
7) Trichlorofluoromethane	1.92	101	68805	19.962	ug/l	99
8) Diethyl Ether	2.18	74	27279	19.312	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	41876	19.947	ug/l	96
10) Methyl Iodide	2.50	142	35920	19.586	ug/l	95
11) Tert butyl alcohol	3.03	59	69465	99.877	ug/l	100
12) 1,1-Dichloroethene	2.36	96	40419	19.662	ug/l	91
13) Acrolein	2.28	56	28830	81.599	ug/l	94
14) Allyl chloride	2.72	41	80091	19.637	ug/l	98
15) Acrylonitrile	3.13	53	145127	102.852	ug/l	99
16) Acetone	2.44	43	136868	92.809	ug/l	99
17) Carbon Disulfide	2.56	76	106752	18.524	ug/l	97
18) Methyl Acetate	2.76	43	69764	20.091	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	158281	20.342	ug/l	99
20) Methylene Chloride	2.85	84	49190	19.721	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	45100	19.803	ug/l	97
22) Diisopropyl ether	3.84	45	157948	20.042	ug/l	93
23) Vinyl Acetate	3.80	43	695542	100.642	ug/l	99
24) 1,1-Dichloroethane	3.69	63	85529	19.966	ug/l	98
25) 2-Butanone	4.66	43	211357	99.955	ug/l	100
26) 2,2-Dichloropropane	4.57	77	71836	18.855	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	51630	19.538	ug/l	97
28) Bromochloromethane	5.01	49	27133	17.444	ug/l	98
29) Tetrahydrofuran	5.12	42	132929	103.140	ug/l	98
30) Chloroform	5.20	83	86902	19.829	ug/l	99
31) Cyclohexane	5.57	56	77092	19.893	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	76611	19.724	ug/l	99
36) 1,1-Dichloropropene	5.79	75	62552	19.099	ug/l	99
37) Ethyl Acetate	4.82	43	77982	20.367	ug/l	97
38) Carbon Tetrachloride	5.78	117	64593	19.415	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	75000	19.022	ug/l	99
40) Benzene	6.14	78	191795	19.903	ug/l	98
41) Methacrylonitrile	5.03	41	42738	19.894	ug/l	96
42) 1,2-Dichloroethane	6.18	62	74163	20.267	ug/l	99
43) Isopropyl Acetate	6.43	43	125497	19.599	ug/l	97
44) Trichloroethene	7.21	130	48890	19.846	ug/l	92
45) 1,2-Dichloropropane	7.51	63	49934	20.240	ug/l	99
46) Dibromomethane	7.65	93	32471	19.331	ug/l	96
47) Bromodichloromethane	7.89	83	65876	19.623	ug/l	99
48) Methyl methacrylate	7.76	41	60392	19.670	ug/l	95
49) 1,4-Dioxane	7.73	88	29244	419.935	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	397624	100.599	ug/l	97
52) Toluene	8.78	92	119140	19.672	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	71501	19.250	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	79243	19.539	ug/l	93
55) 1,1,2-Trichloroethane	9.21	97	47880	19.885	ug/l	96
56) Ethyl methacrylate	9.17	69	79919	19.756	ug/l	95
57) 1,3-Dichloropropane	9.37	76	83139	19.728	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	167618	92.311	ug/l	99
59) 2-Hexanone	9.49	43	309101	102.167	ug/l	97
60) Dibromochloromethane	9.58	129	47556	19.510	ug/l	99
61) 1,2-Dibromoethane	9.67	107	50704	20.234	ug/l	100
64) Tetrachloroethene	9.33	164	43041	20.034	ug/l	96
65) Chlorobenzene	10.14	112	124212	19.143	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	43552	18.525	ug/l	98
67) Ethyl Benzene	10.25	91	229032	19.461	ug/l	99
68) m/p-Xylenes	10.35	106	169214	38.382	ug/l	99
69) o-Xylene	10.70	106	83874	19.661	ug/l	99
70) Styrene	10.71	104	138862	19.417	ug/l	100
71) Bromoform	10.85	173	30084	18.377	ug/l #	99
73) Isopropylbenzene	11.01	105	219683	20.201	ug/l	99
74) N-amyl acetate	10.89	43	102923	19.839	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	74029	20.555	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	72442m	20.511	ug/l	
77) Bromobenzene	11.25	156	49265	20.016	ug/l	97
78) n-propylbenzene	11.35	91	243065	19.853	ug/l	100
79) 2-Chlorotoluene	11.42	91	150110	19.654	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	184059	20.183	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	22715	18.431	ug/l	99
82) 4-Chlorotoluene	11.51	91	174696	20.065	ug/l	98
83) tert-Butylbenzene	11.77	119	176861	20.105	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	188117	20.449	ug/l	99
85) sec-Butylbenzene	11.94	105	203793	19.918	ug/l	99
86) p-Isopropyltoluene	12.06	119	183089	19.831	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	89534	20.214	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	88178	19.701	ug/l	98
89) n-Butylbenzene	12.38	91	155968	19.172	ug/l	99
90) Hexachloroethane	12.59	117	30719	18.664	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	89054	20.083	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.99	75	17979	19.956	ug/l	96

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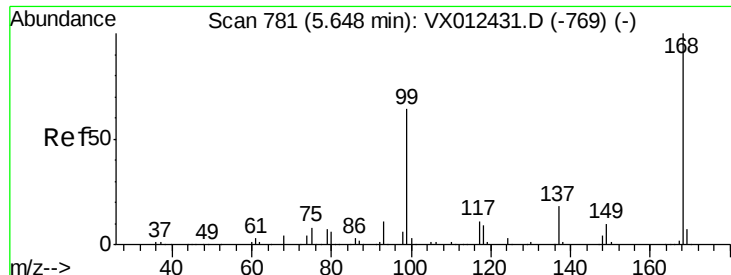
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	51515	19.049	ug/l	99
94) Hexachlorobutadiene	13.77	225	21819	18.754	ug/l	98
95) Naphthalene	13.83	128	199732	20.413	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	54945	20.282	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012609.D

Acq: 23 Sep 2019 17:07

Instrument :

MSVOA_X

ClientSampleId :

VX0923WBSD02

Tot Ion:168 Resp: 191195

Ion Ratio Lower Upper

168 100

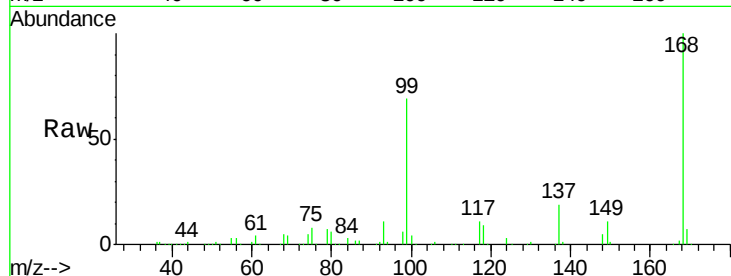
99 69.0 51.4 77.2

Manual Integrations

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9/24/2019 10:05:46 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

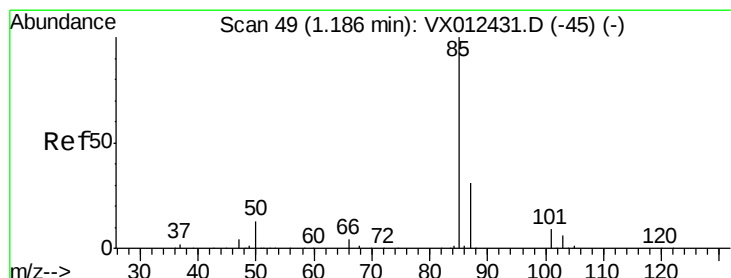
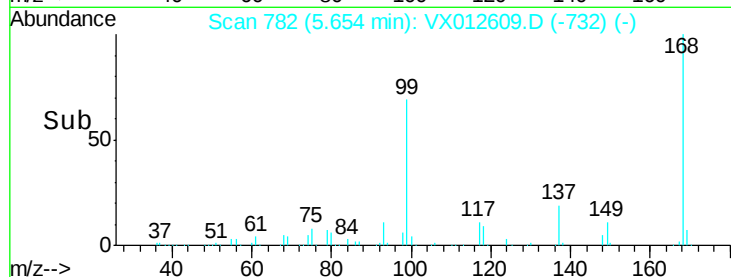
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.283 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.01 min

Lab File: VX012609.D

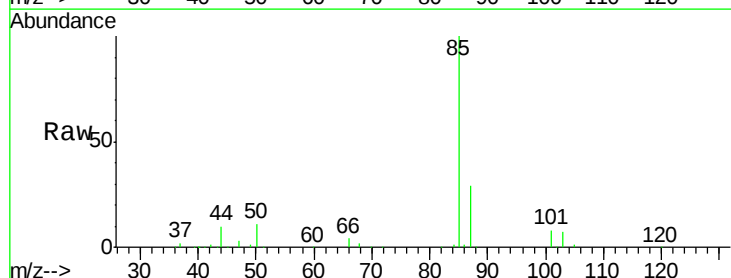
Acq: 23 Sep 2019 17:07

Tgt Ion: 85 Resp: 41475

Ion Ratio Lower Upper

85 100

87 29.3 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

40000

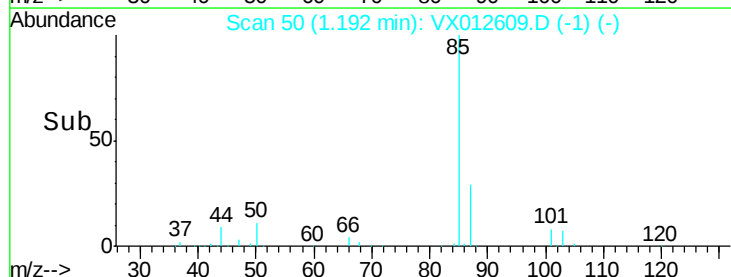
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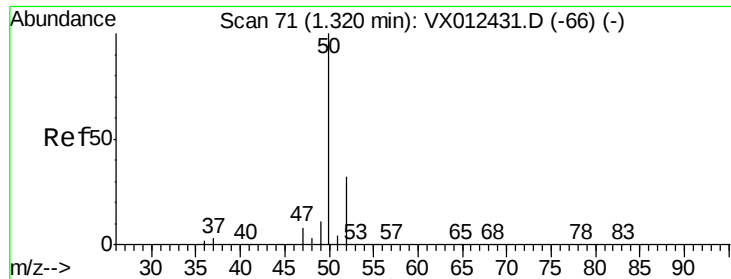
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10000

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Time-->





#3

Chloromethane

Concen: 19.540 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012609.D

Acq: 23 Sep 2019 17:07

Instrument :

MSVOA_X

ClientSampleId :

VX0923WBSD02

Tot Ion: 50 Resp: 48261

Ion Ratio Lower Upper

50 100

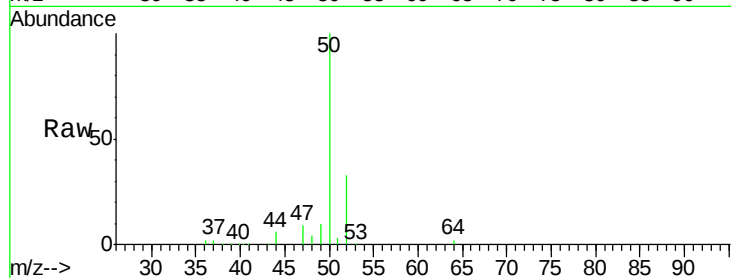
52 32.6 25.7 38.5

Manual Integrations

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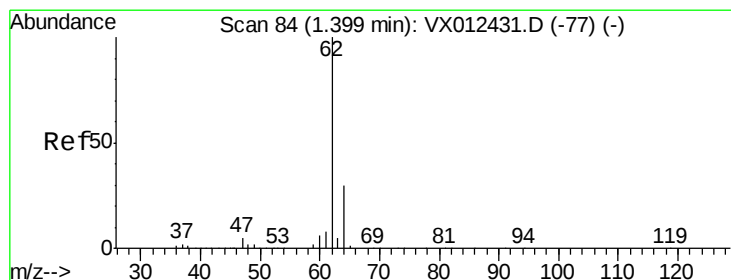
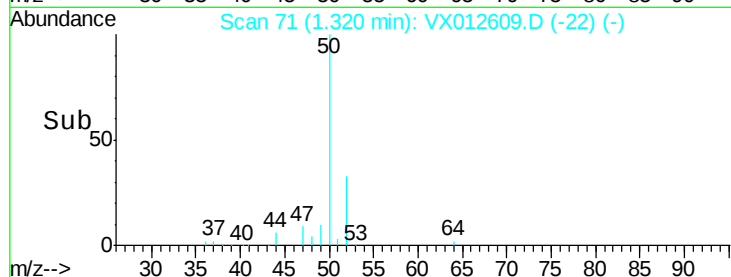
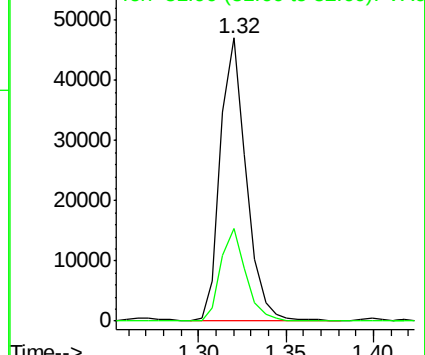
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.451 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012609.D

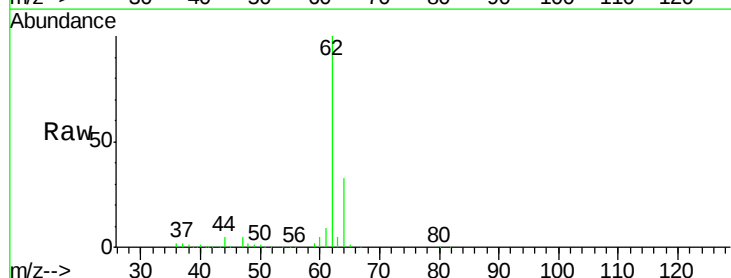
Acq: 23 Sep 2019 17:07

Tgt Ion: 62 Resp: 47750

Ion Ratio Lower Upper

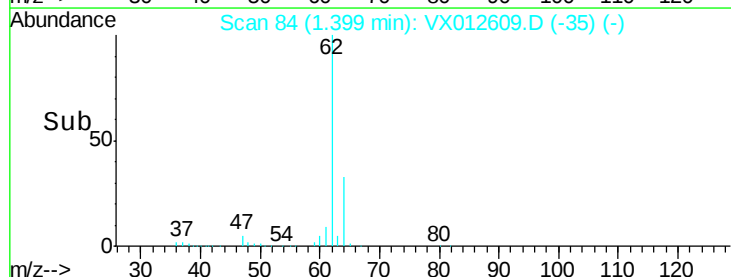
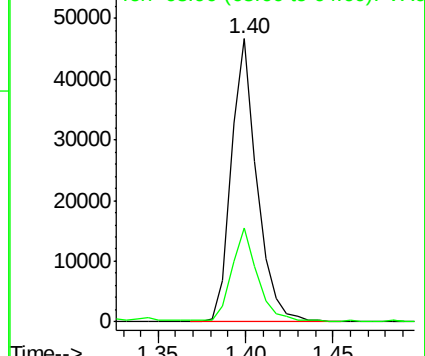
62 100

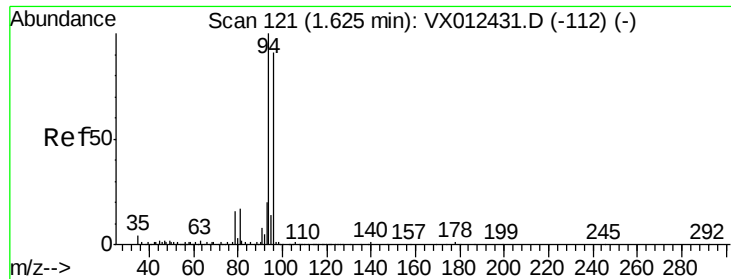
64 33.1 24.2 36.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 24.646 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012609.D

Acq: 23 Sep 2019 17:07

Instrument :

MSVOA_X

ClientSampleId :

VX0923WBSD02

Tot Ion: 94 Resp: 23789

Ion Ratio Lower Upper

94 100

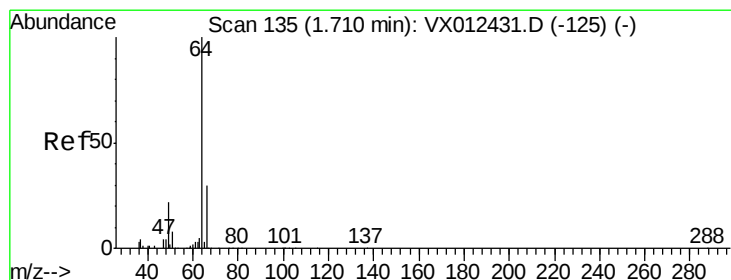
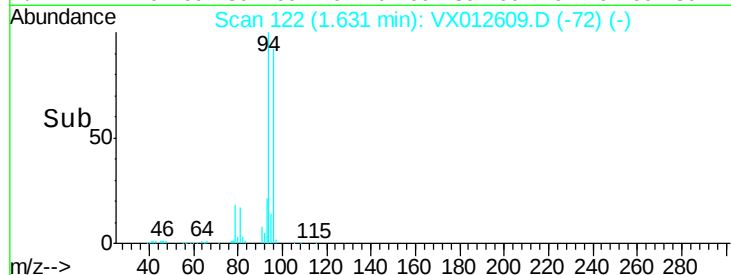
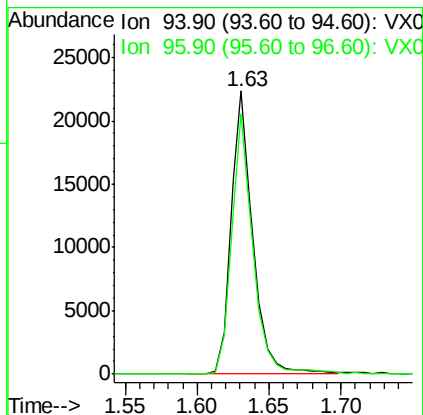
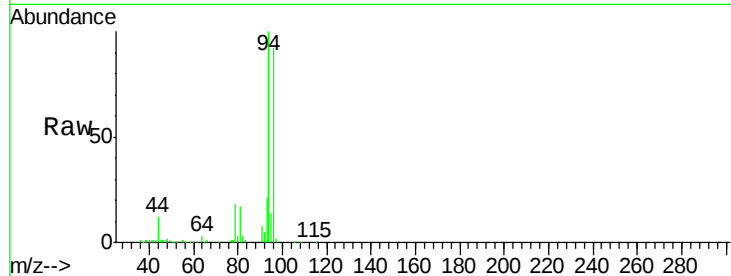
96 91.8 72.8 109.2

Manual Integrations

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#6

Chloroethane

Concen: 18.459 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX012609.D

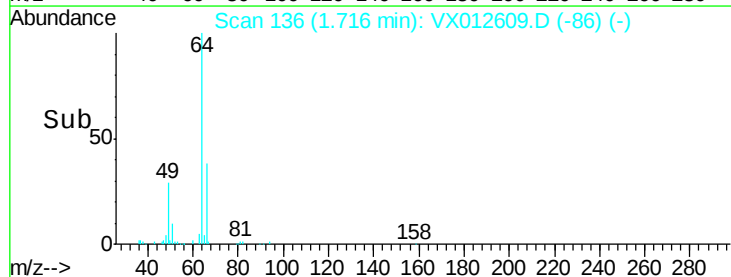
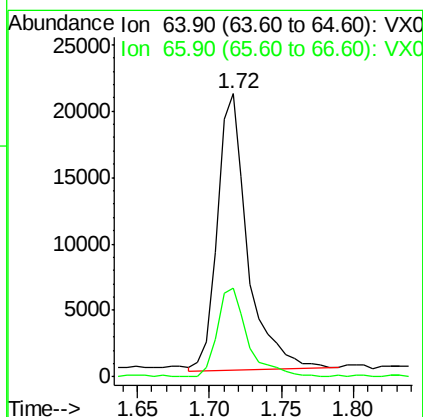
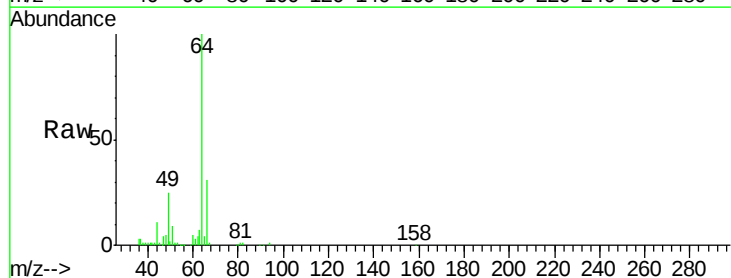
Acq: 23 Sep 2019 17:07

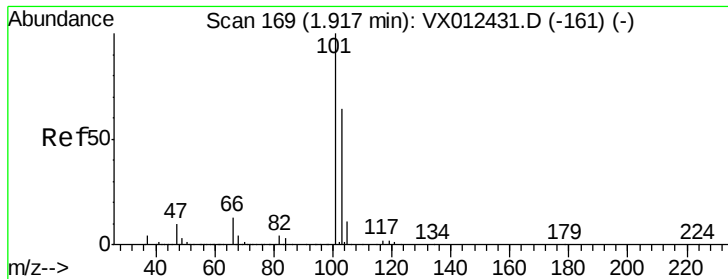
Tgt Ion: 64 Resp: 30549

Ion Ratio Lower Upper

64 100

66 32.6 24.0 36.0





#7

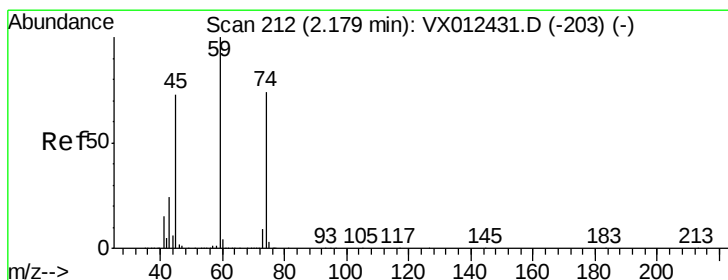
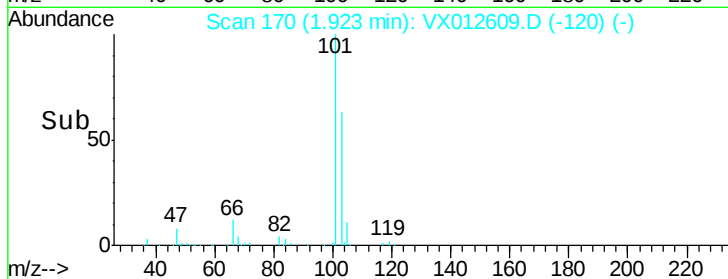
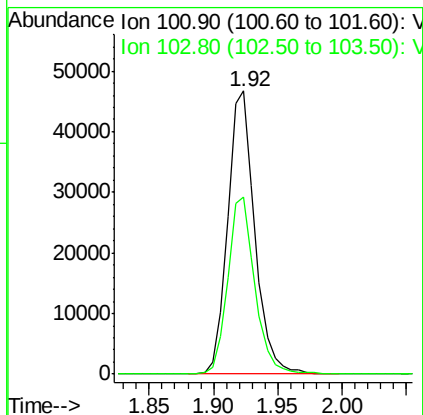
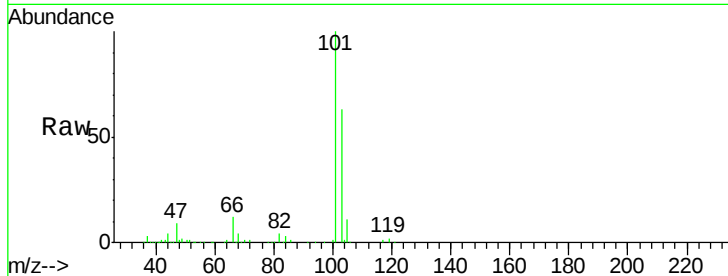
Trichlorofluoromethane
 Concen: 19.962 ug/l
 RT: 1.92 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX012609.D
 Acq: 23 Sep 2019 17:07

Instrument :
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 VX0923WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.6	51.0	76.4

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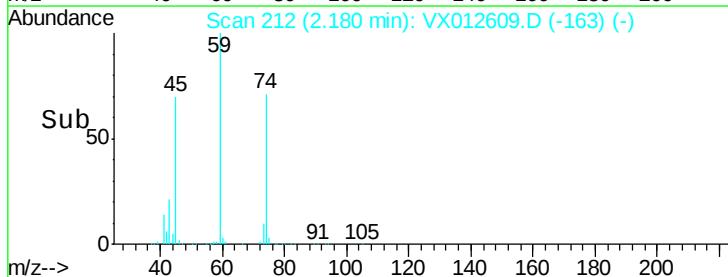
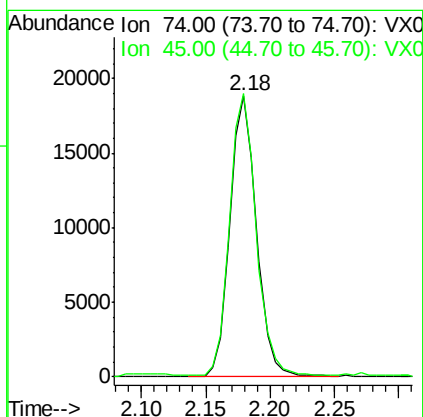
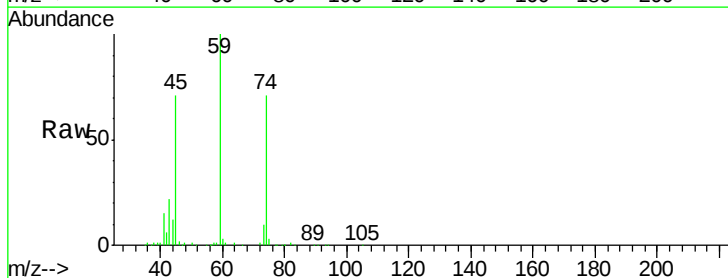
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 9/24/2019 10:05:46 AM

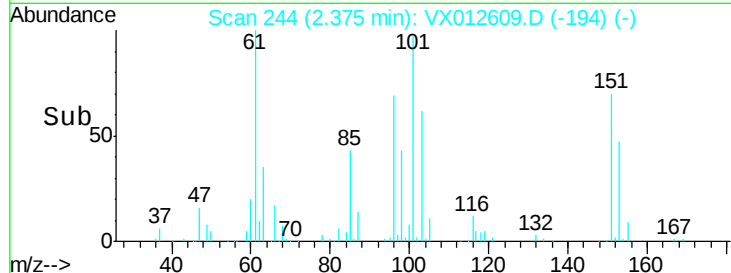
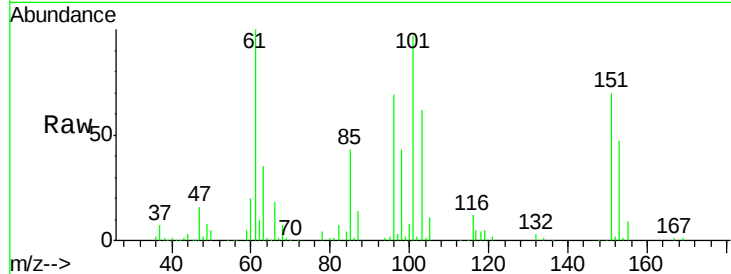
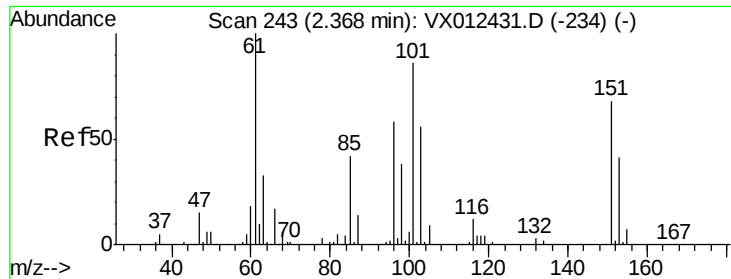


#8

Diethyl Ether
 Concen: 19.312 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX012609.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.2	49.9	149.7





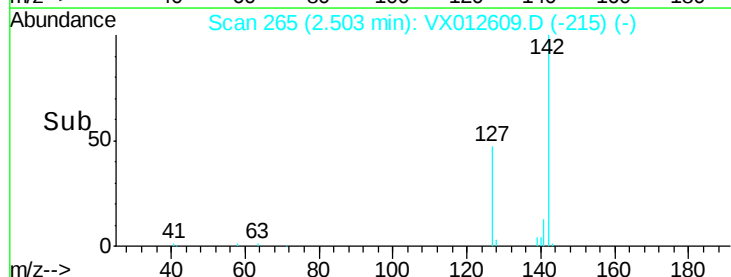
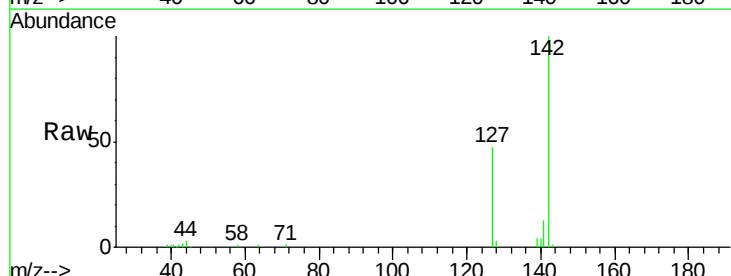
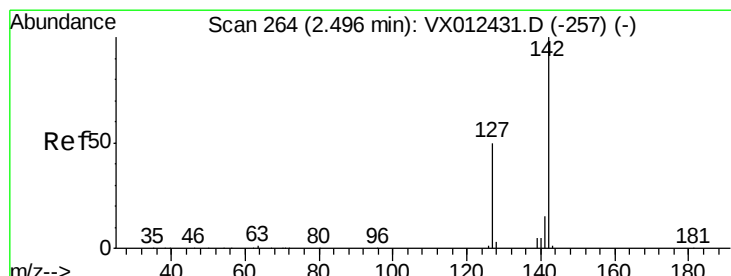
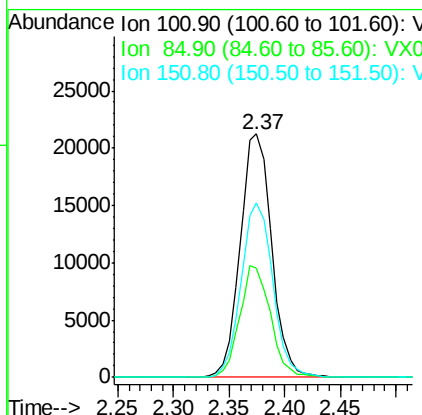
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.947 ug/l
RT: 2.37 min Scan# 244
Delta R.T. 0.01 min
Lab File: VX012609.D
Acq: 23 Sep 2019 17:07

Tot Ion	Ratio	Resp	Lower	Upper
101	100	41876		
85	44.6	37.3	55.9	
151	72.1	61.0	91.4	

Instrument :
MSVOA_X
ClientSampleId :
VX0923WBSD02

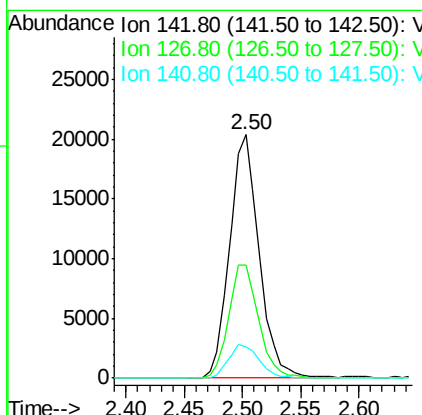
Manual Integrations
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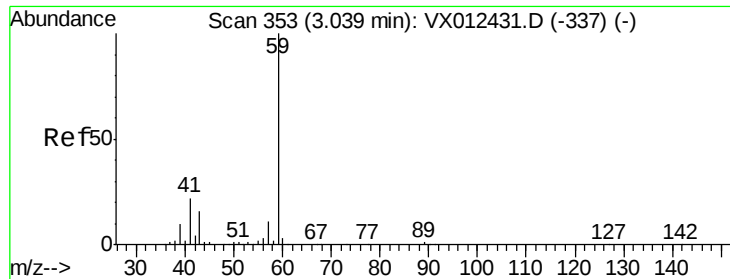
MMDadoda
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#10
Methyl Iodide
Concen: 19.586 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX012609.D
Acq: 23 Sep 2019 17:07

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	35920		
127	47.2	40.8	61.2	
141	14.2	12.1	18.1	





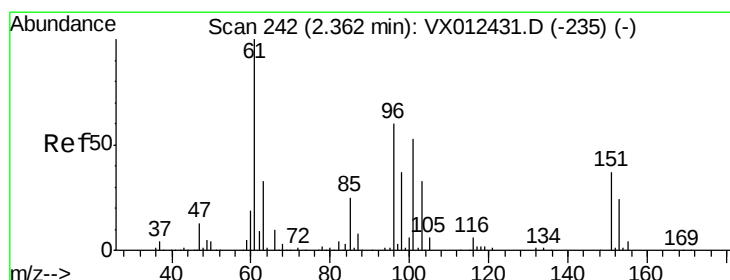
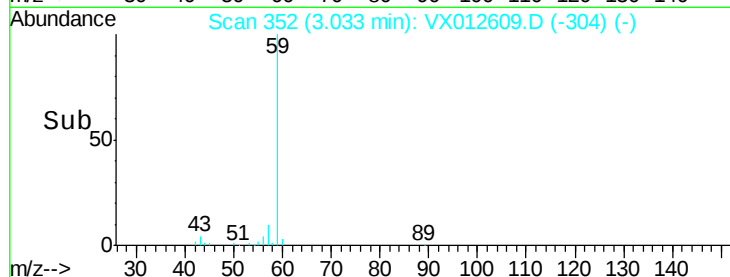
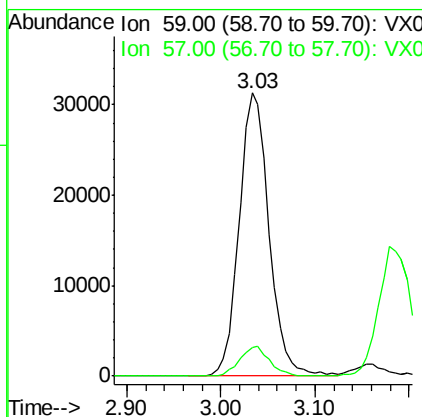
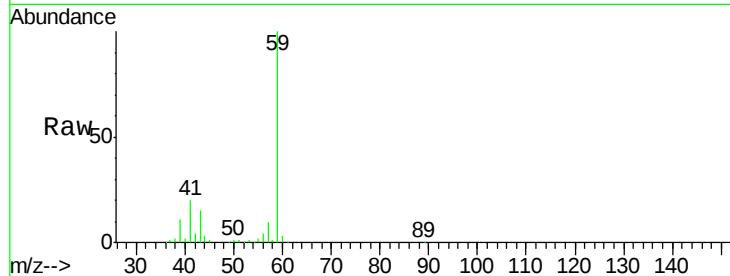
#11
Tert butyl alcohol
Concen: 99.877 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX012609.D
Acq: 23 Sep 2019 17:07

Instrument :
MSVOA_X
ClientSampleId :
VX0923WBSD02

Tot Ion	59.00	Resp	69465
Ion Ratio	100	Lower	Upper
57	10.4	8.3	12.5

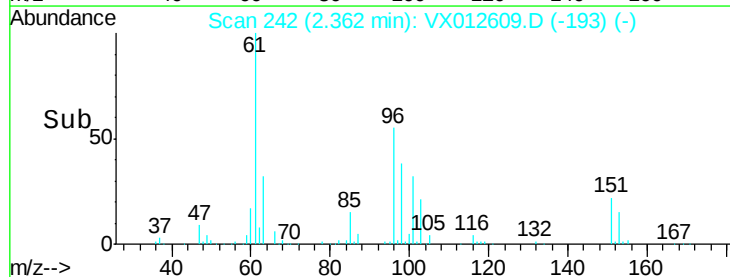
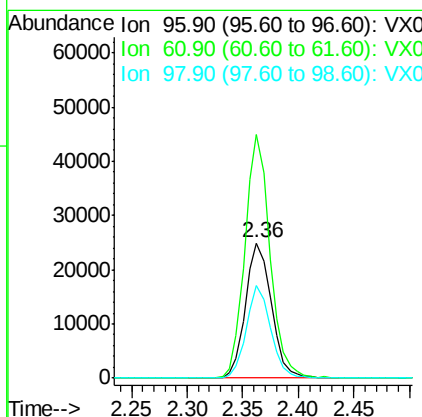
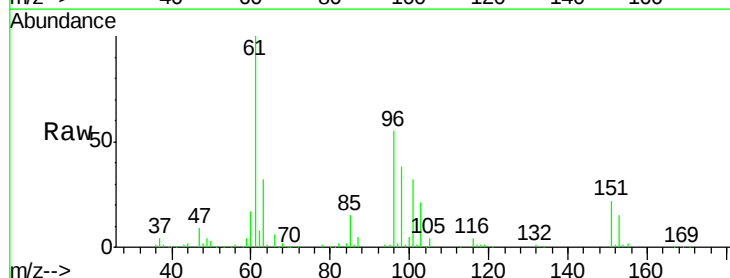
Manual Integrations
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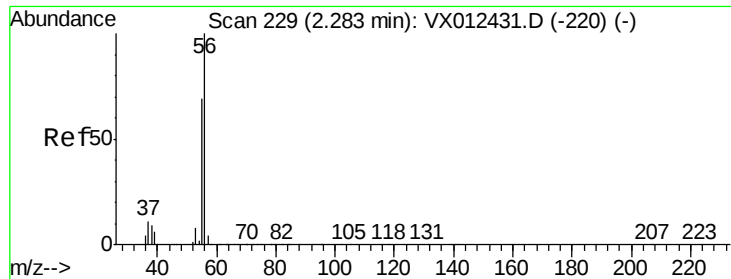
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#12
1,1-Dichloroethene
Concen: 19.662 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX012609.D
Acq: 23 Sep 2019 17:07

Tgt Ion	96	Resp	40419
Ion Ratio	100	Lower	Upper
61	180.3	133.8	200.6
98	69.0	49.9	74.9





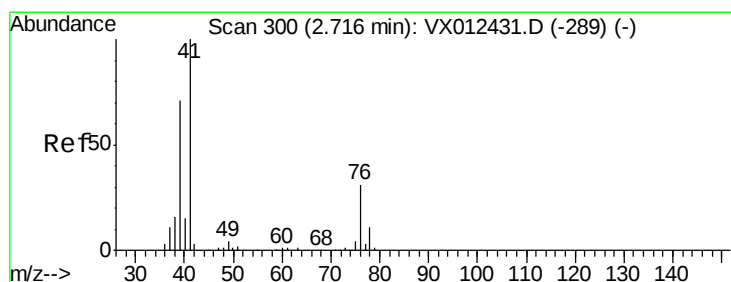
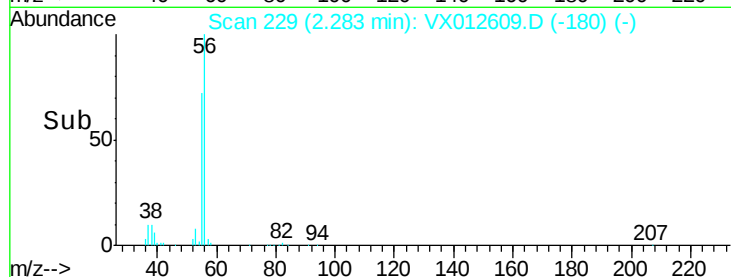
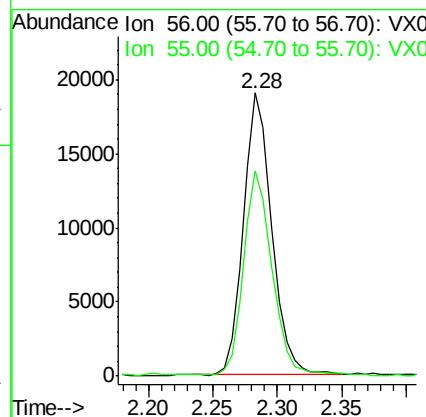
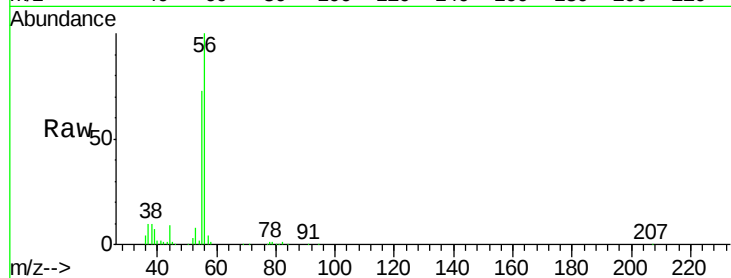
#13
Acrolein
Concen: 81.599 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX012609.D
Acq: 23 Sep 2019 17:07

Instrument :
MSVOA_X
ClientSampleId :
VX0923WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
55	75.0	55.8	83.8

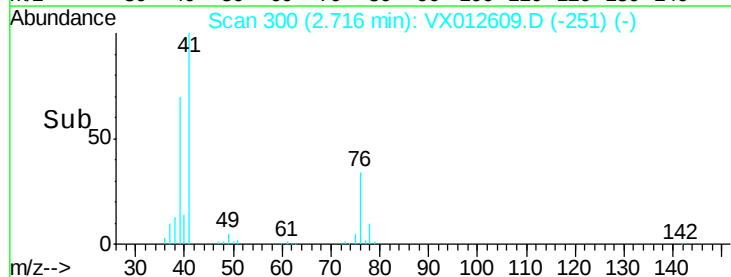
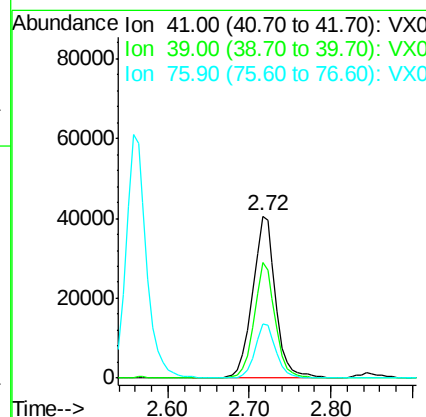
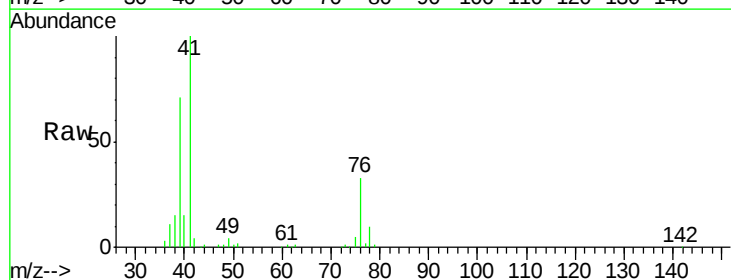
Manual Integrations
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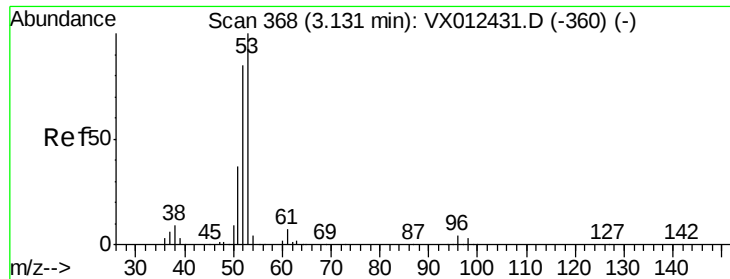
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#14
Allyl chloride
Concen: 19.637 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX012609.D
Acq: 23 Sep 2019 17:07

Tgt Ion	Ratio	Lower	Upper
41	100		
39	65.2	51.3	76.9
76	30.4	22.6	33.8





#15

Acrylonitrile

Concen: 102.852 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012609.D

Acq: 23 Sep 2019 17:07

Instrument :

MSVOA_X

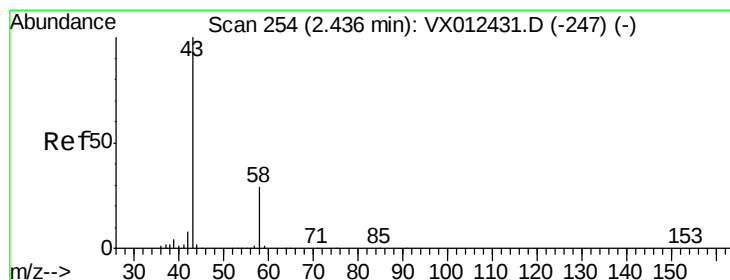
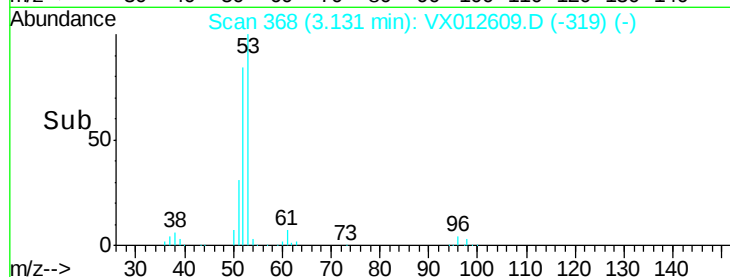
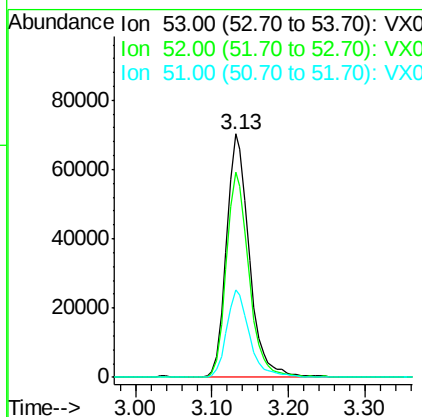
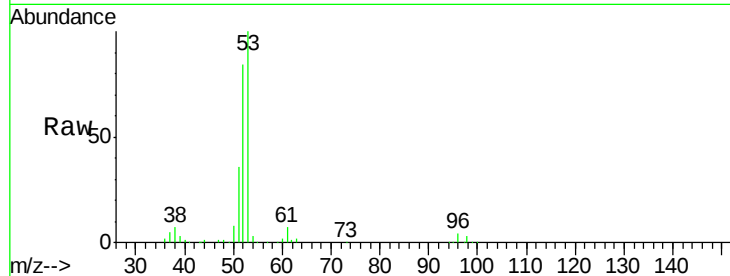
ClientSampleId :

VX0923WBSD02

Tot Ion:	53	Resp:	145127
Ion Ratio		Lower	Upper
53	100		
52	83.0	67.0	100.4
51	36.2	29.6	44.4

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#16

Acetone

Concen: 92.809 ug/l

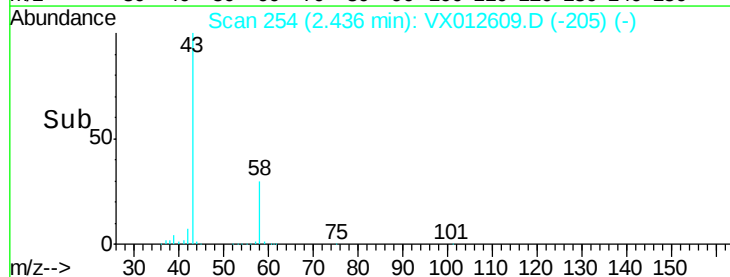
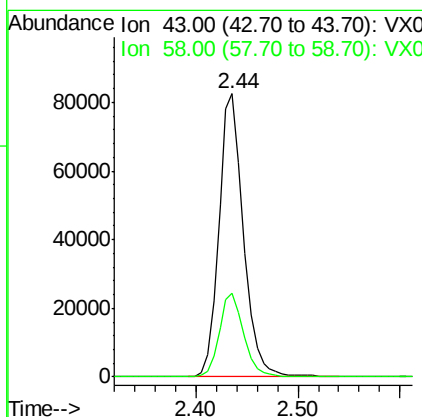
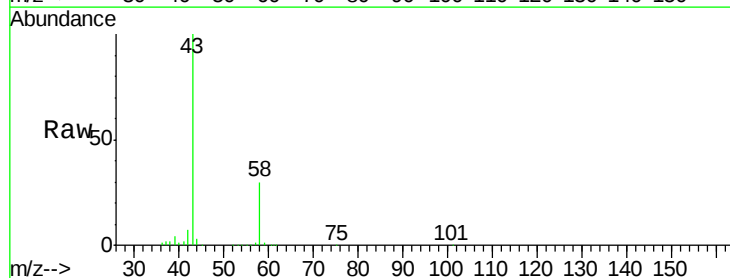
RT: 2.44 min Scan# 254

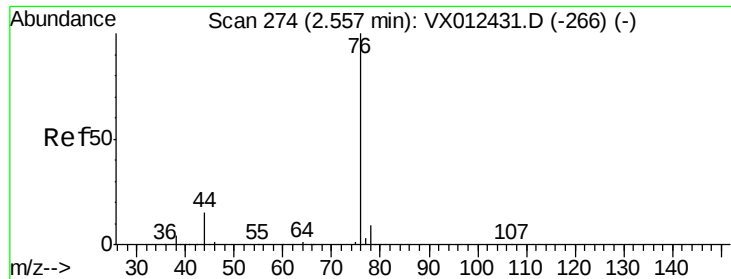
Delta R.T. 0.00 min

Lab File: VX012609.D

Acq: 23 Sep 2019 17:07

Tgt Ion:	43	Resp:	136868
Ion Ratio		Lower	Upper
43	100		
58	29.7	23.3	34.9





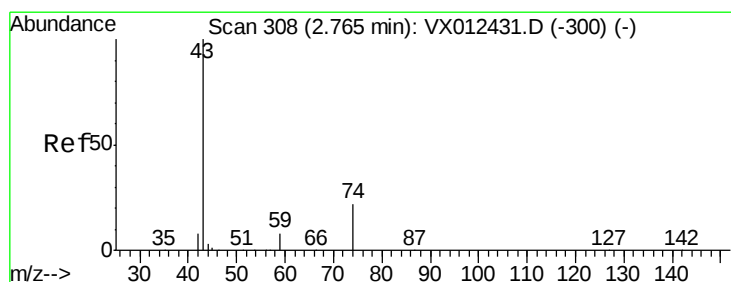
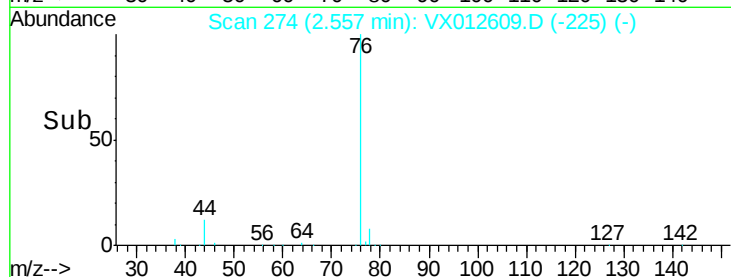
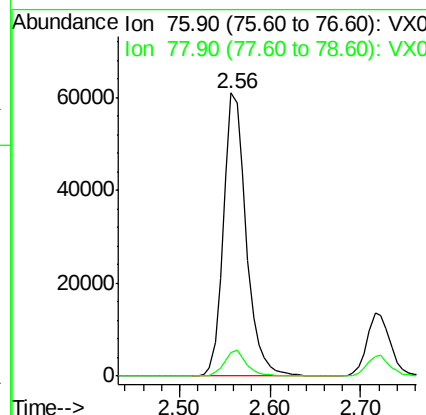
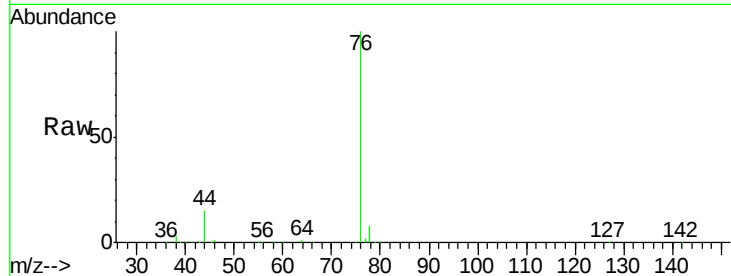
#17
Carbon Disulfide
Concen: 18.524 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX012609.D
Acq: 23 Sep 2019 17:07

Instrument :
MSVOA_X
ClientSampleId :
VX0923WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.1	7.3	10.9

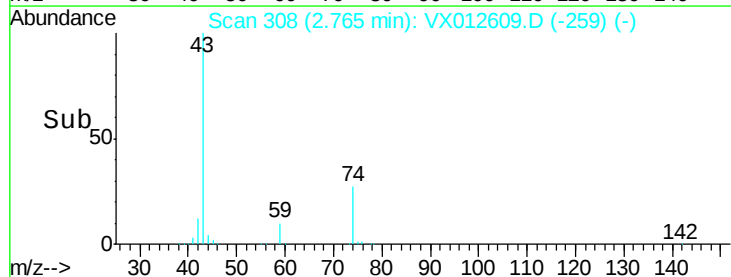
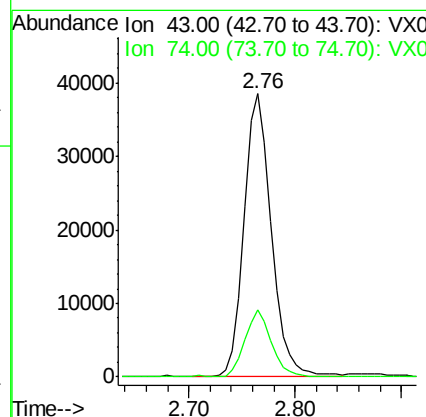
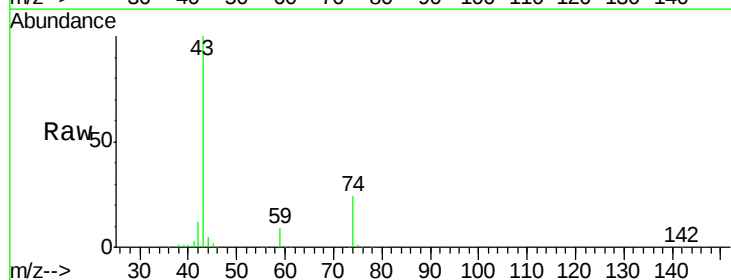
Manual Integrations
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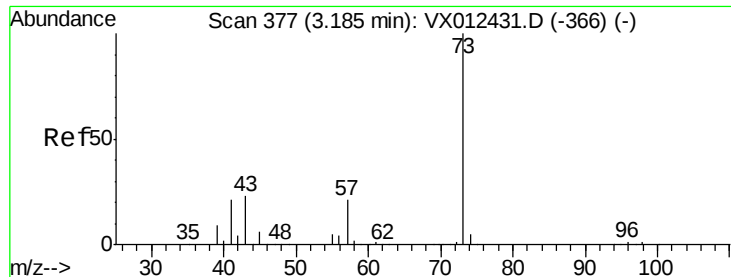
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#18
Methyl Acetate
Concen: 20.091 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX012609.D
Acq: 23 Sep 2019 17:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.0	17.7	26.5





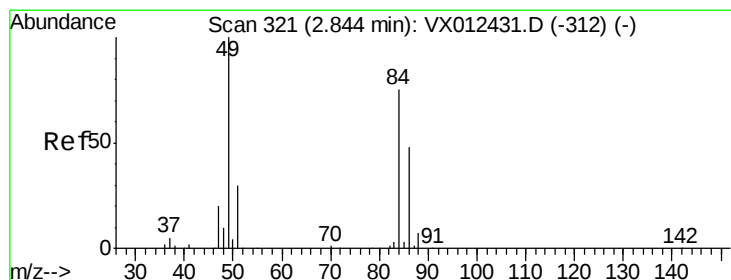
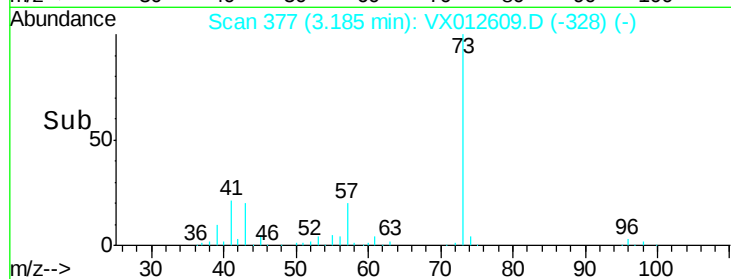
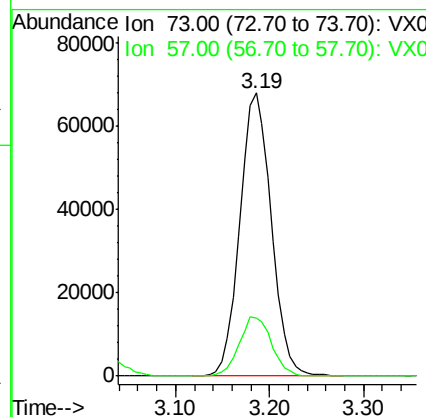
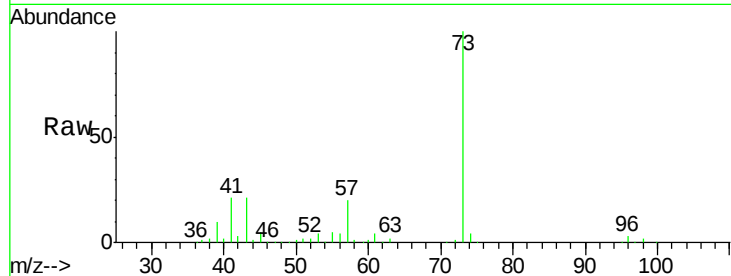
#19
Methyl tert-butyl Ether
Concen: 20.342 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX012609.D
Acq: 23 Sep 2019 17:07

Instrument :
MSVOA_X
ClientSampleId :
VX0923WBSD02

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.4	16.8	25.2

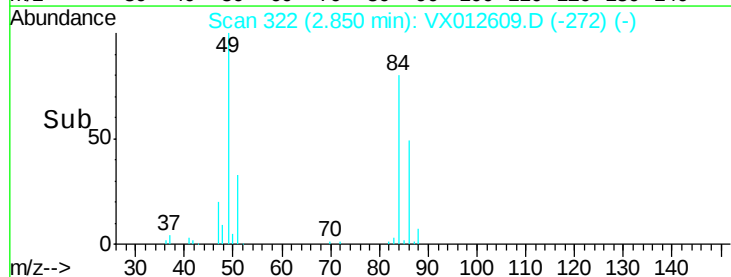
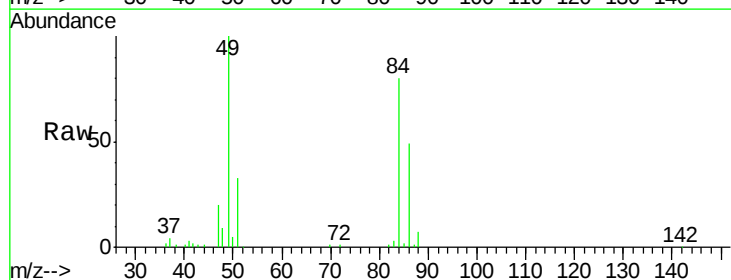
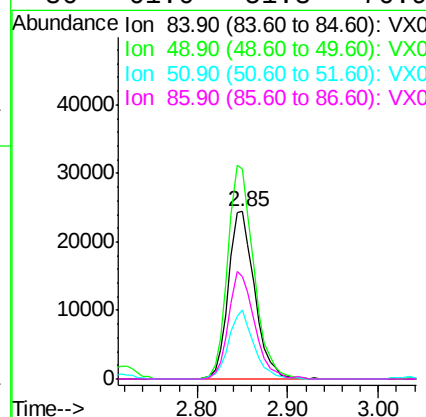
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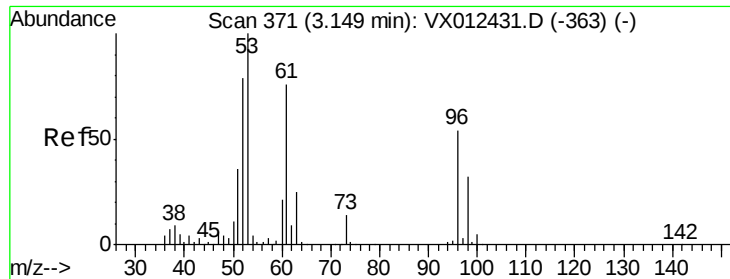
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#20
Methylene Chloride
Concen: 19.721 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX012609.D
Acq: 23 Sep 2019 17:07

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.2	106.8	160.2
51	41.0	32.3	48.5
86	61.0	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 19.803 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012609.D

Acq: 23 Sep 2019 17:07

Instrument :

MSVOA_X

ClientSampleId :

VX0923WBSD02

Tot Ion: 96 Resp: 45100

Ion Ratio Lower Upper

96 100

61 142.3 112.0 168.0

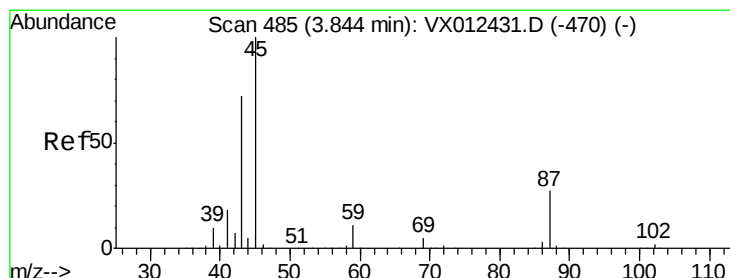
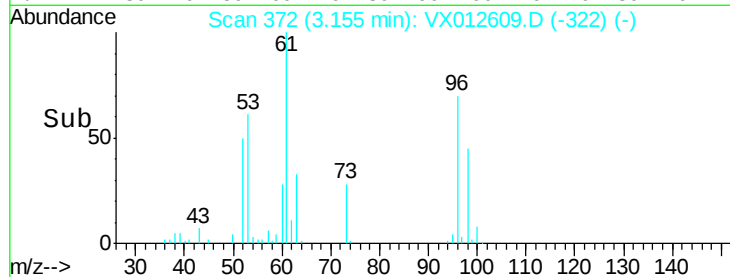
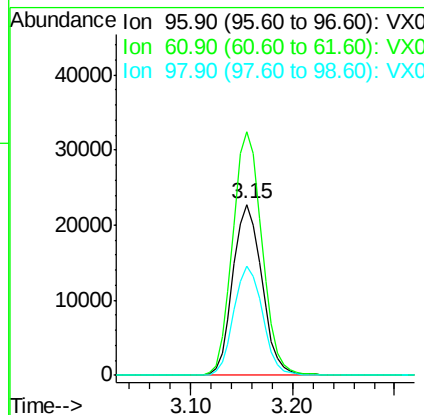
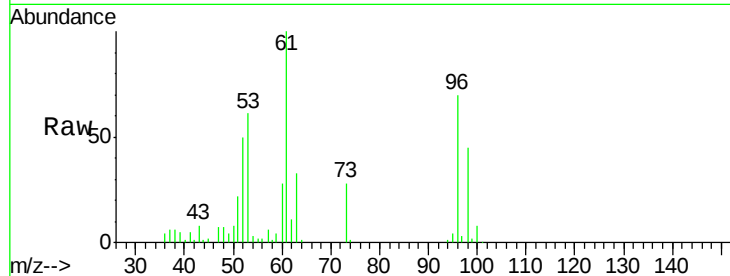
98 63.6 47.8 71.8

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#22

Diisopropyl ether

Concen: 20.042 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX012609.D

Acq: 23 Sep 2019 17:07

Tgt Ion: 45 Resp: 157948

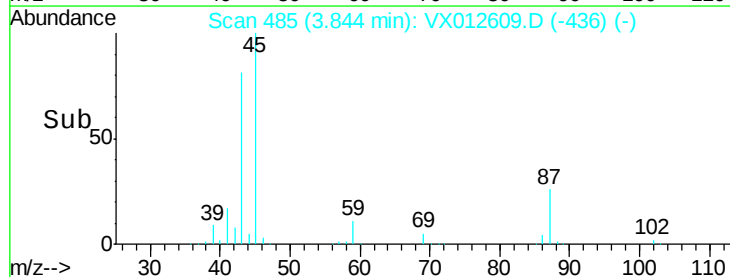
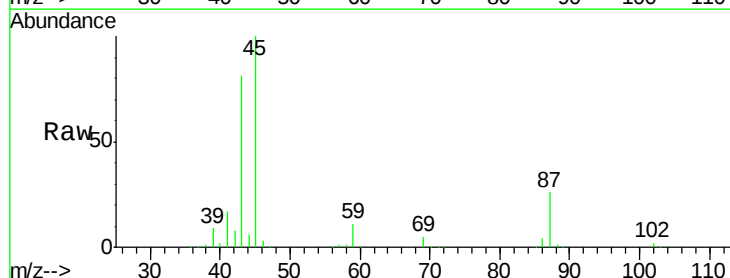
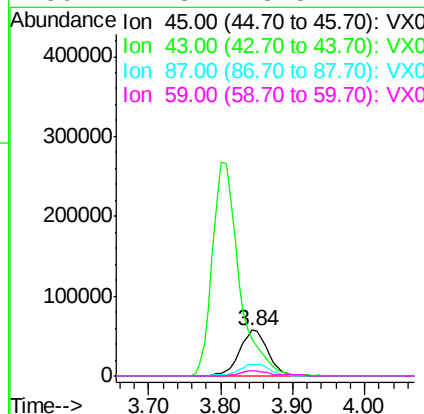
Ion Ratio Lower Upper

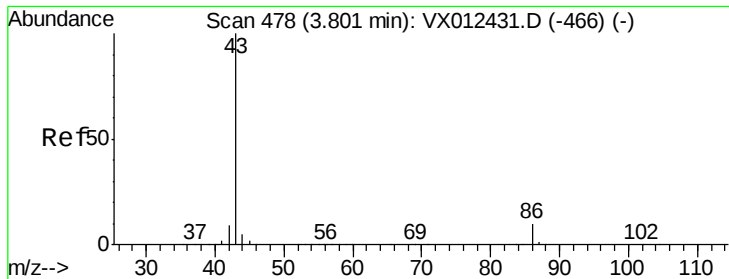
45 100

43 80.1 57.8 86.8

87 26.2 21.3 31.9

59 11.3 8.5 12.7





#23

Vinyl Acetate

Concen: 100.642 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012609.D

Acq: 23 Sep 2019 17:07

Instrument :

MSVOA_X

ClientSampleId :

VX0923WBSD02

Tot Ion: 43 Resp: 695542

Ion Ratio Lower Upper

43 100

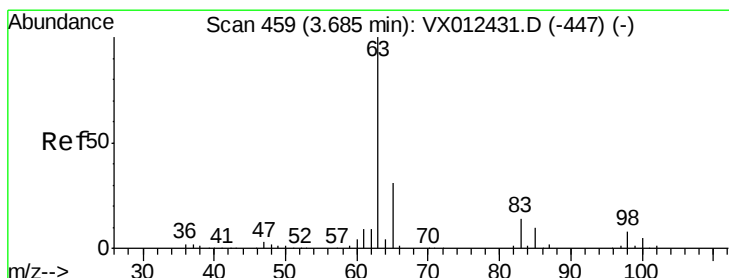
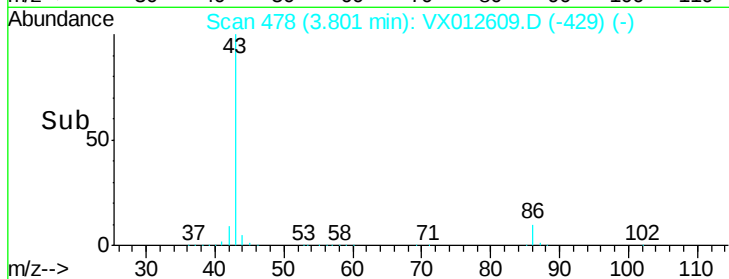
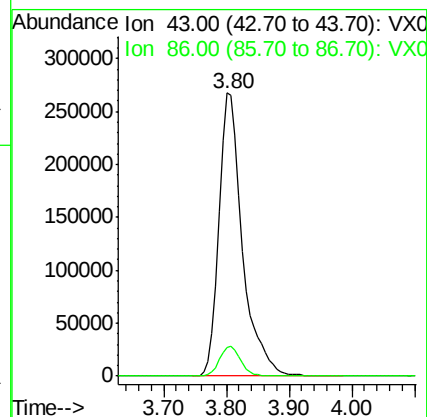
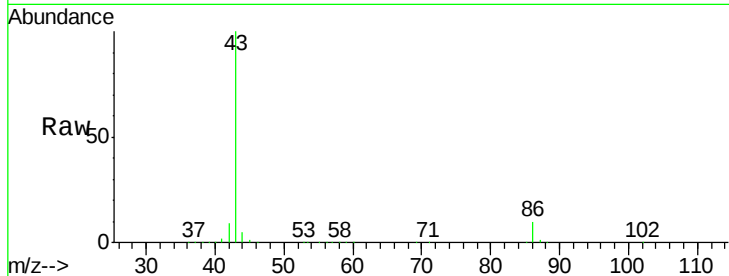
86 10.0 7.8 11.8

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#24

1,1-Dichloroethane

Concen: 19.966 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012609.D

Acq: 23 Sep 2019 17:07

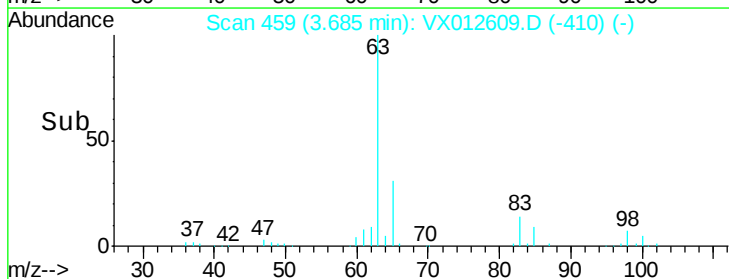
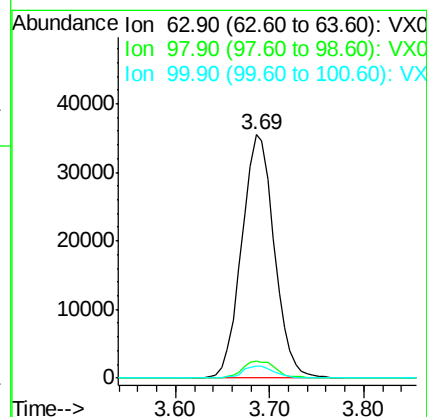
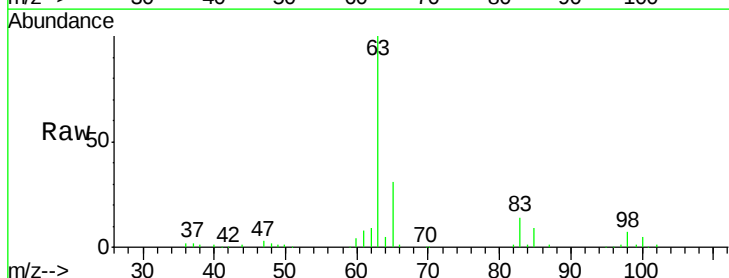
Tgt Ion: 63 Resp: 85529

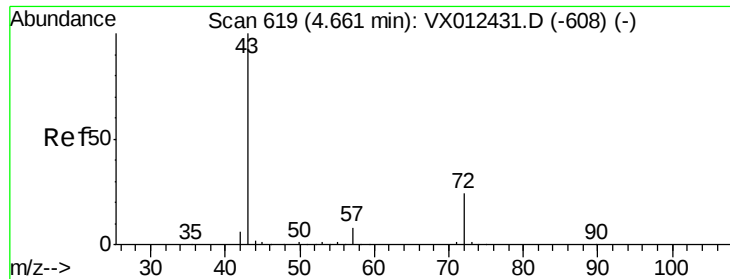
Ion Ratio Lower Upper

63 100

98 6.8 3.9 11.7

100 4.8 2.3 6.9





#25

2-Butanone

Concen: 99.955 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX012609.D

Acq: 23 Sep 2019 17:07

Tot Ion: 43 Resp: 211357

Ion Ratio Lower Upper

43 100

72 24.1 19.2 28.8

Instrument :

MSVOA_X

ClientSampleId :

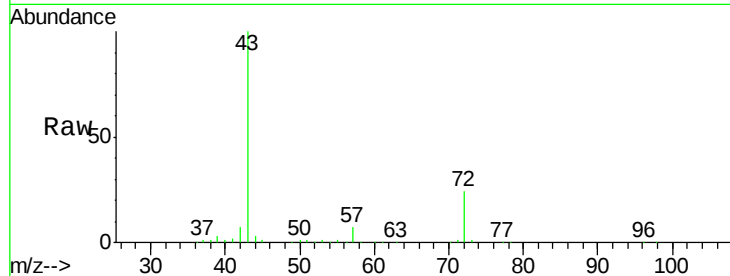
VX0923WBSD02

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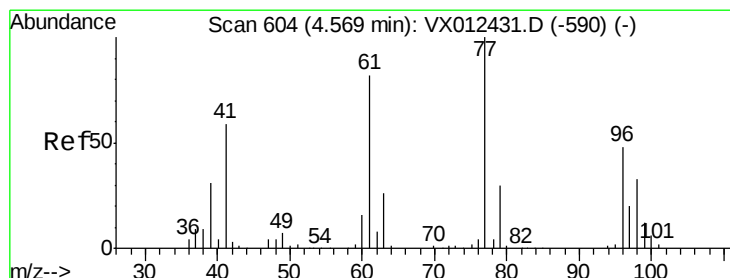
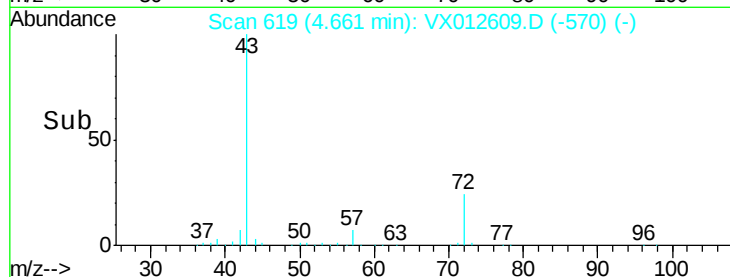
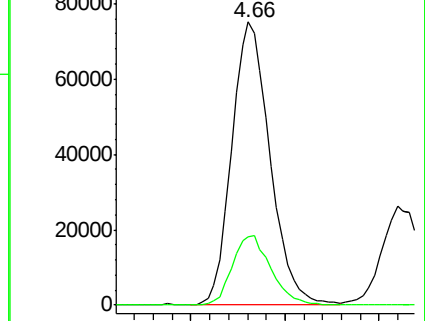
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 18.855 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX012609.D

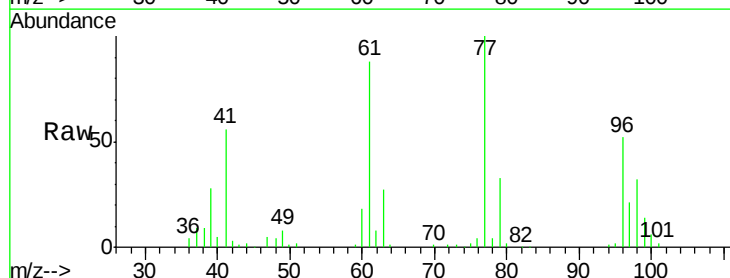
Acq: 23 Sep 2019 17:07

Tgt Ion: 77 Resp: 71836

Ion Ratio Lower Upper

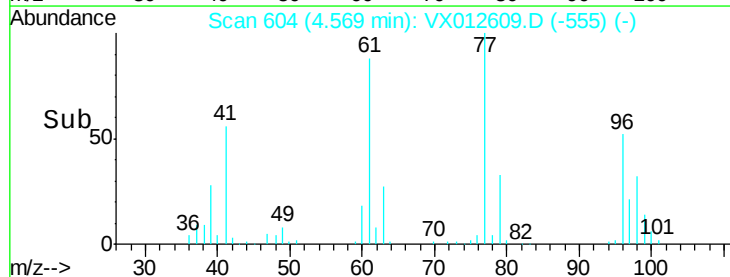
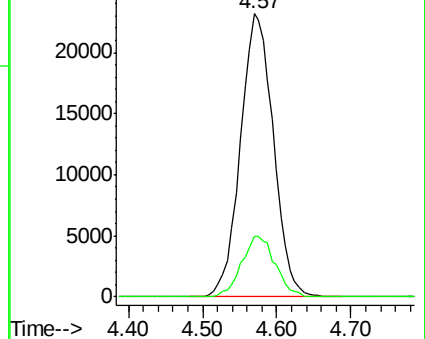
77 100

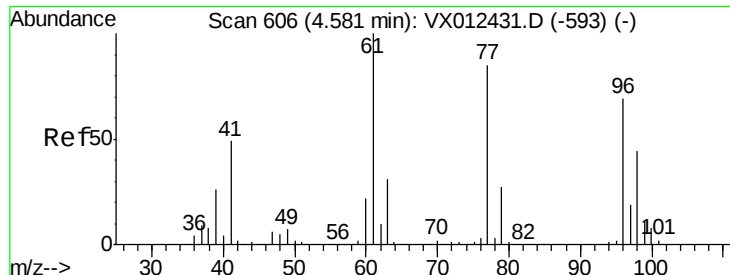
97 21.8 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





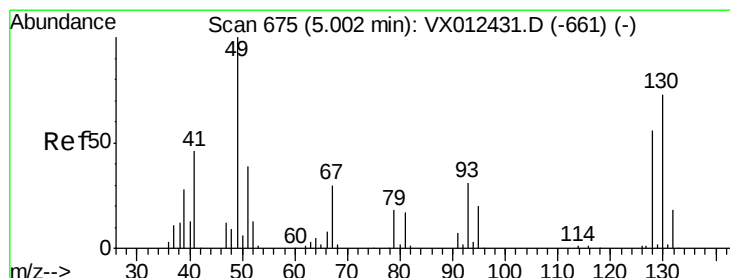
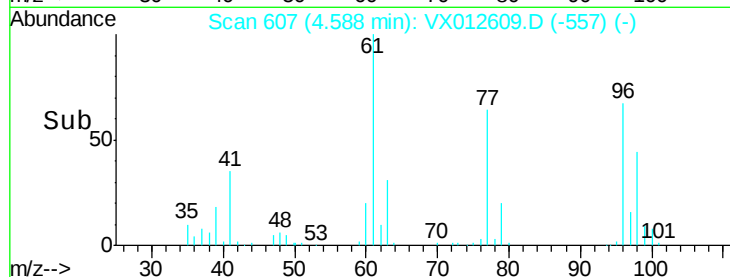
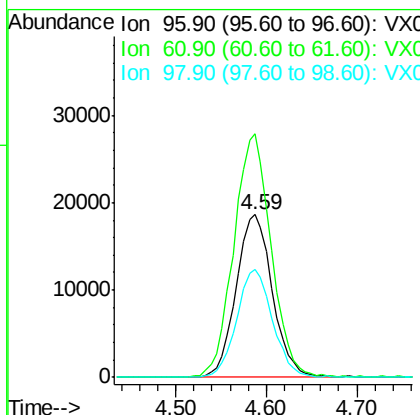
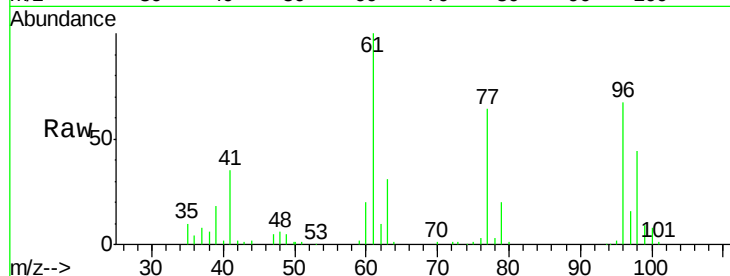
#27
 cis-1,2-Dichloroethene
 Concen: 19.538 ug/l
 RT: 4.59 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VX012609.D
 Acq: 23 Sep 2019 17:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0923WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	51630		
61	154.2	0.0	319.4	
98	65.8	0.0	130.6	

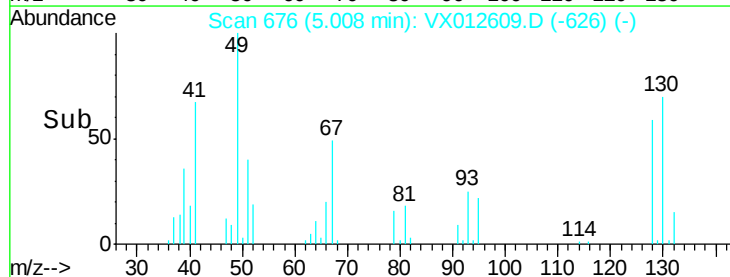
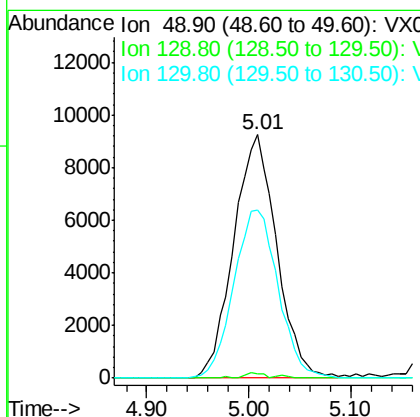
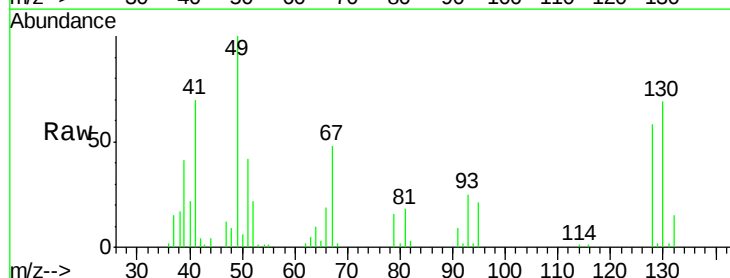
Manual Integrations
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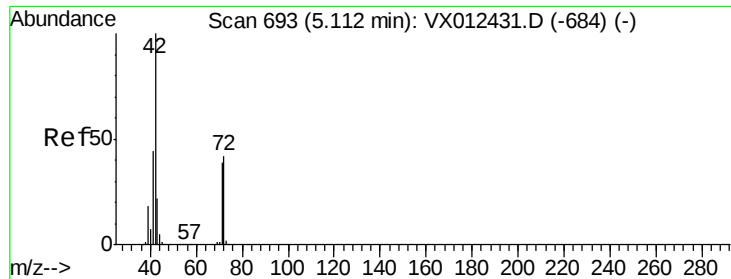
MMDadoda
 9/24/2019 10:05:46 AM



#28
 Bromochloromethane
 Concen: 17.444 ug/l
 RT: 5.01 min Scan# 676
 Delta R.T. 0.01 min
 Lab File: VX012609.D
 Acq: 23 Sep 2019 17:07

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	27133		
129	0.9	0.0	3.8	
130	71.0	58.2	87.4	





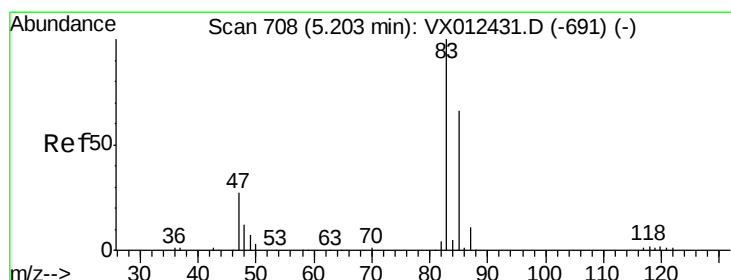
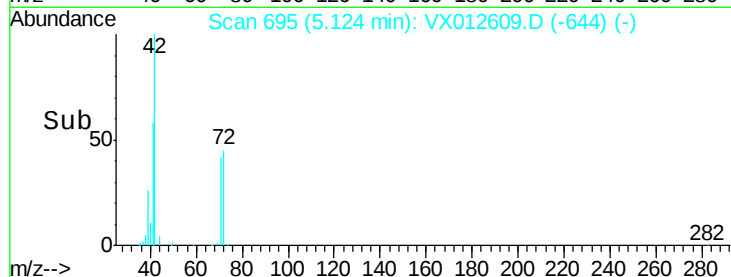
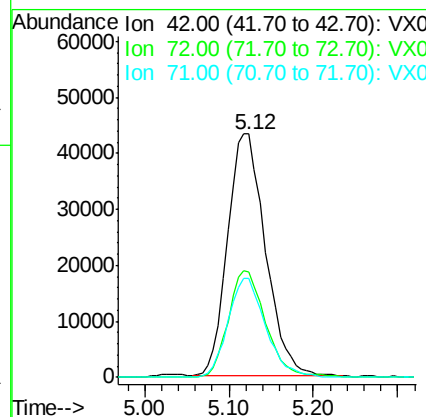
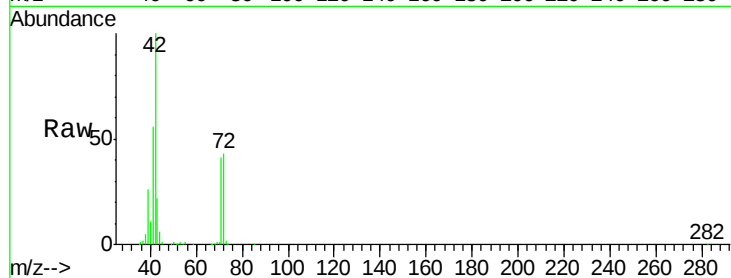
#29
Tetrahydrofuran
Concen: 103.140 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX012609.D
Acq: 23 Sep 2019 17:07

Instrument :
MSVOA_X
ClientSampleId :
VX0923WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.5	34.0	51.0
71	40.5	31.5	47.3

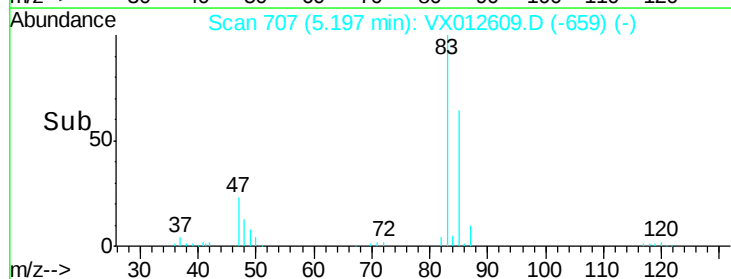
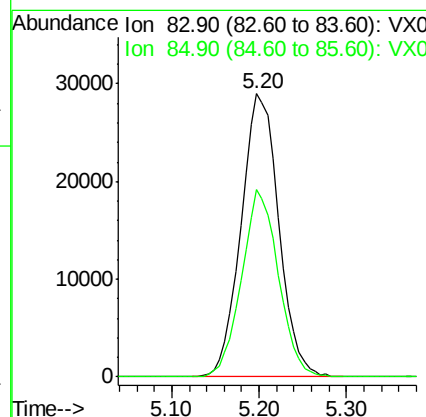
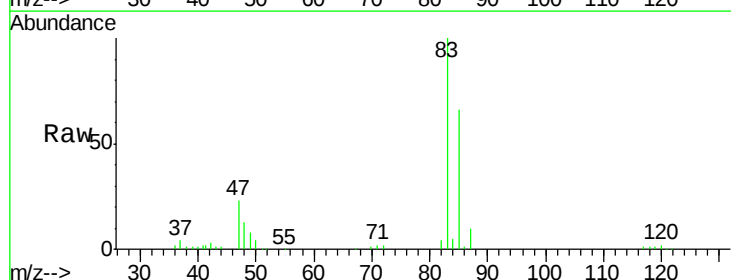
Manual Integrations
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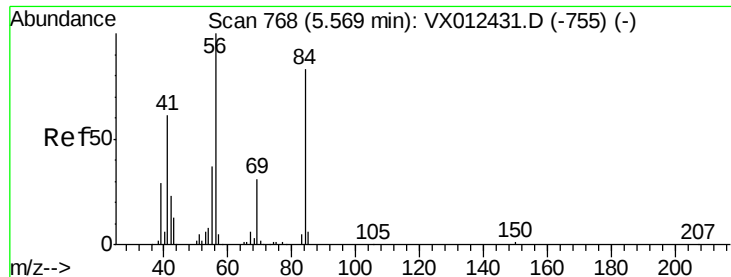
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9/24/2019 10:05:46 AM



#30
Chloroform
Concen: 19.829 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX012609.D
Acq: 23 Sep 2019 17:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	53.0	79.4





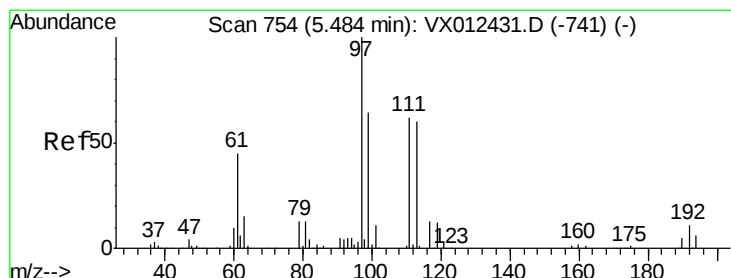
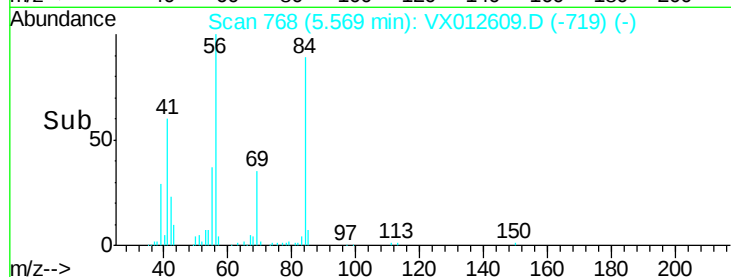
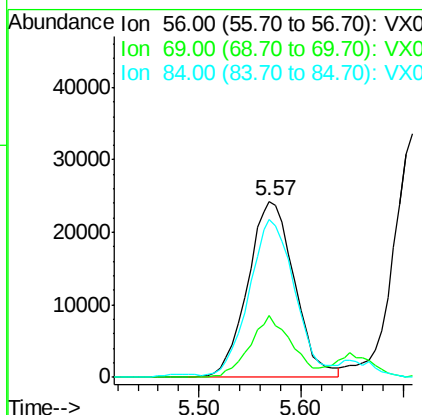
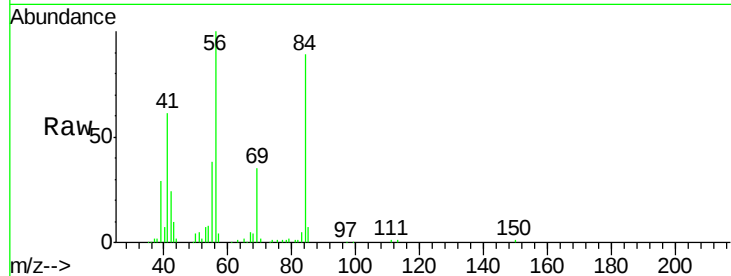
#31
Cyclohexane
Concen: 19.893 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX012609.D
Acq: 23 Sep 2019 17:07

Instrument :
MSVOA_X
ClientSampleId :
VX0923WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.2	25.0	37.6
84	87.6	66.4	99.6

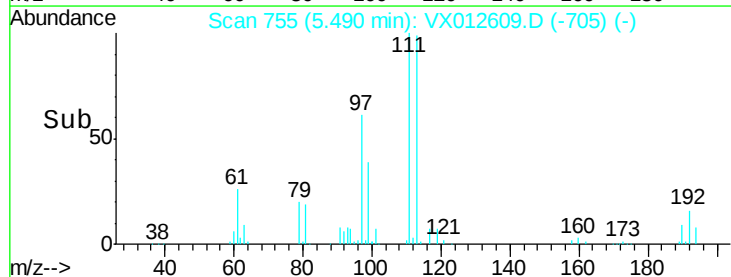
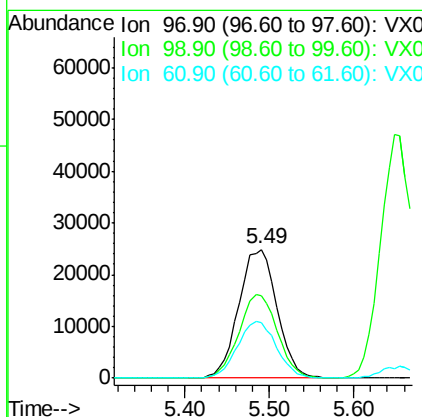
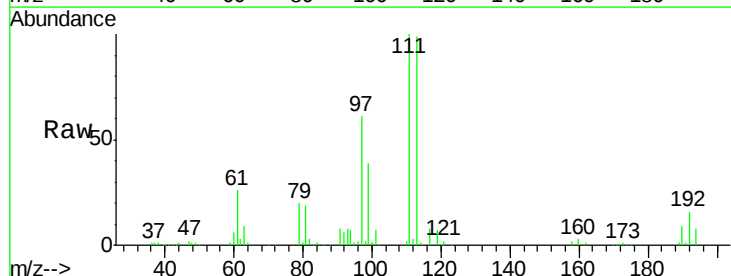
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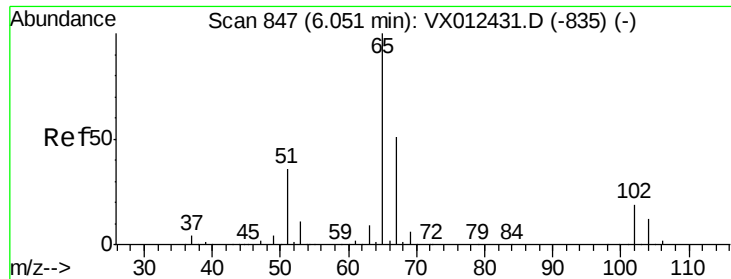
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#32
1,1,1-Trichloroethane
Concen: 19.724 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.01 min
Lab File: VX012609.D
Acq: 23 Sep 2019 17:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.3	76.9
61	45.2	36.1	54.1





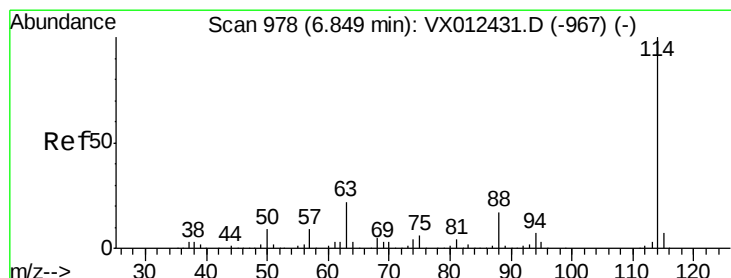
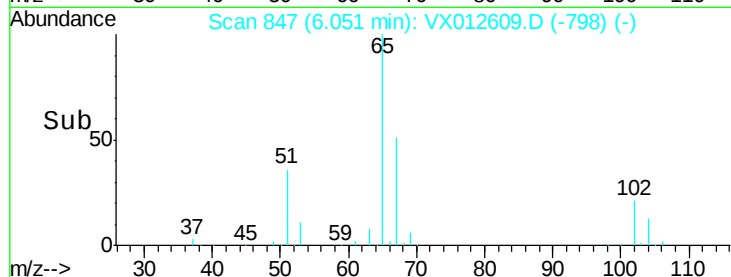
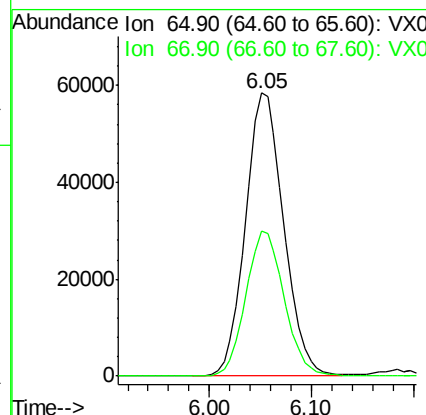
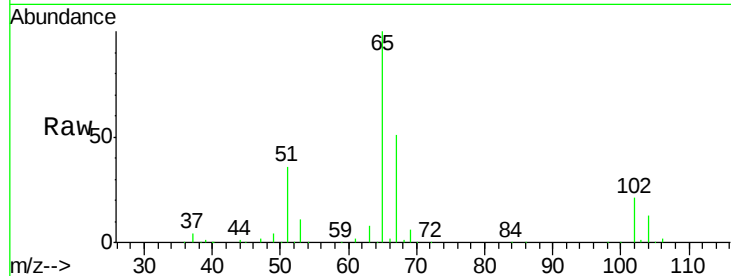
#33
 1,2-Dichloroethane-d4
 Concen: 54.724 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012609.D
 Acq: 23 Sep 2019 17:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0923WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.2	0.0	101.2	

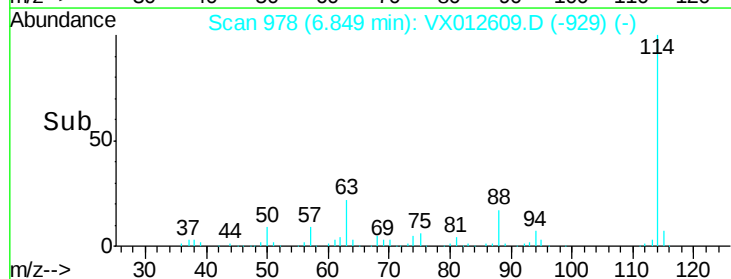
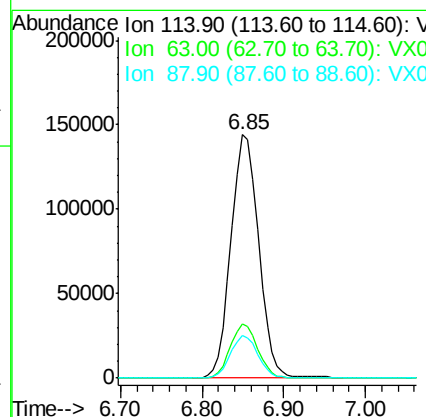
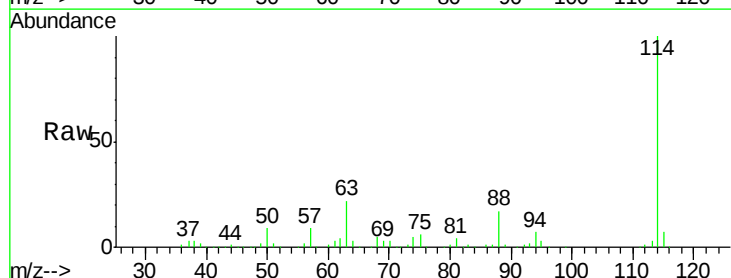
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012609.D
 Acq: 23 Sep 2019 17:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.1	0.0	43.2	
88	17.3	0.0	33.2	





#35

Dibromofluoromethane

Concen: 54.963 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012609.D

Acq: 23 Sep 2019 17:07

Instrument :

MSVOA_X

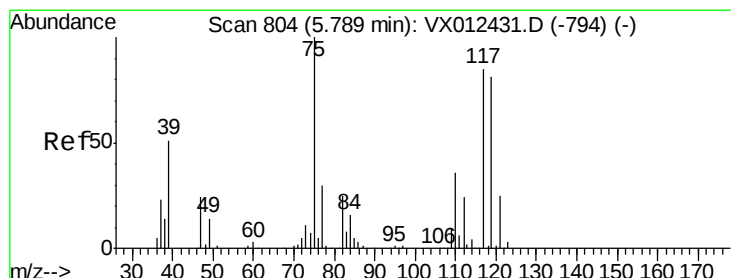
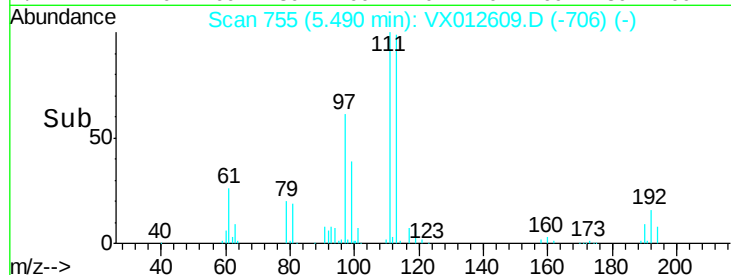
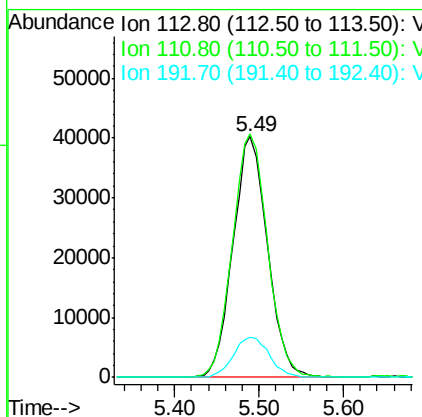
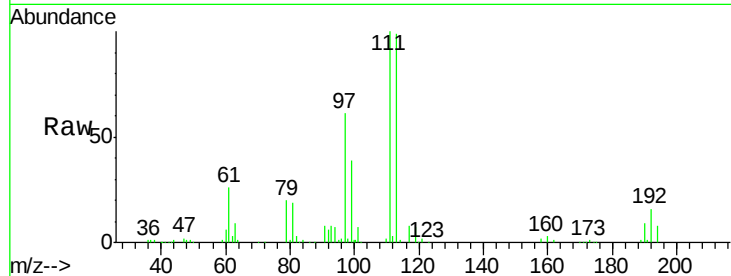
ClientSampleId :

VX0923WBSD02

Tot Ion:	113	Resp:	111218
Ion Ratio	Lower	Upper	
113	100		
111	103.3	83.4	125.2
192	17.1	14.4	21.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.099 ug/l

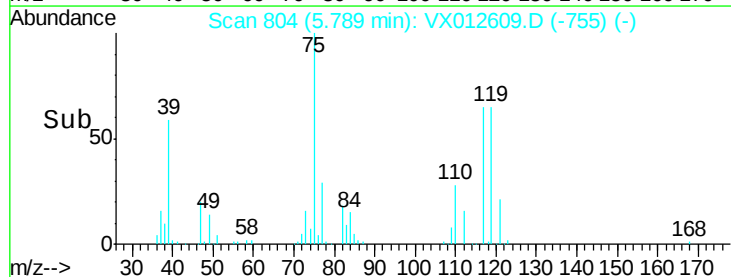
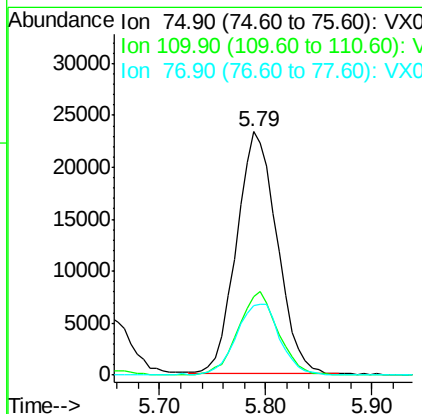
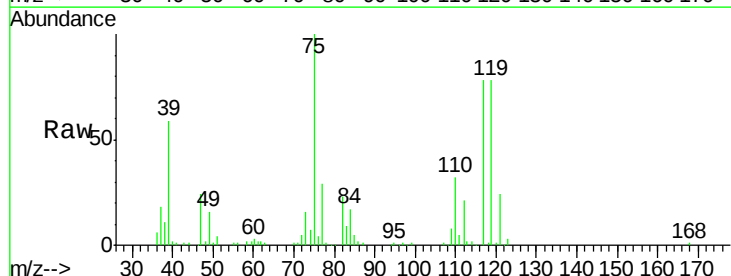
RT: 5.79 min Scan# 804

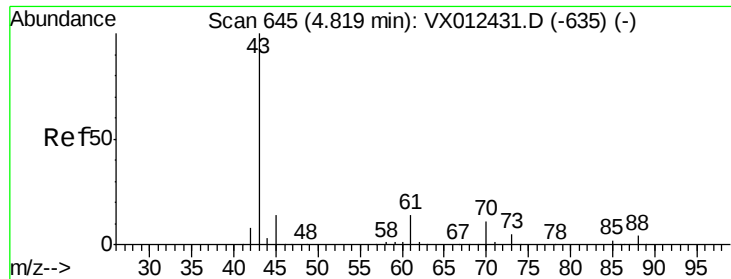
Delta R.T. 0.00 min

Lab File: VX012609.D

Acq: 23 Sep 2019 17:07

Tgt Ion:	75	Resp:	62552
Ion Ratio	Lower	Upper	
75	100		
110	33.7	16.7	50.0
77	31.5	24.2	36.2





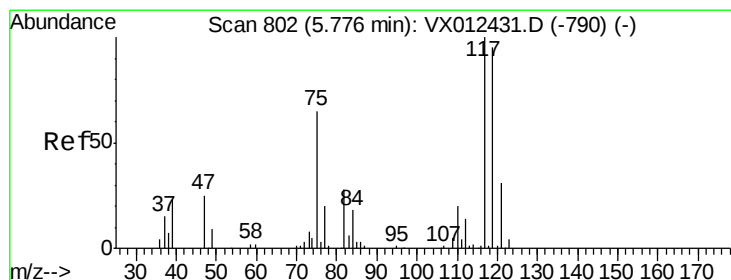
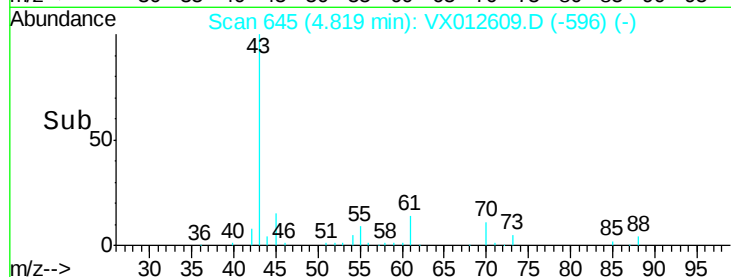
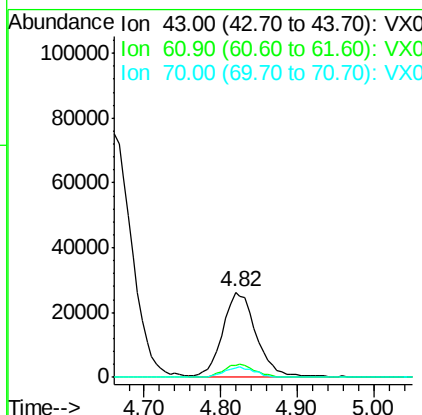
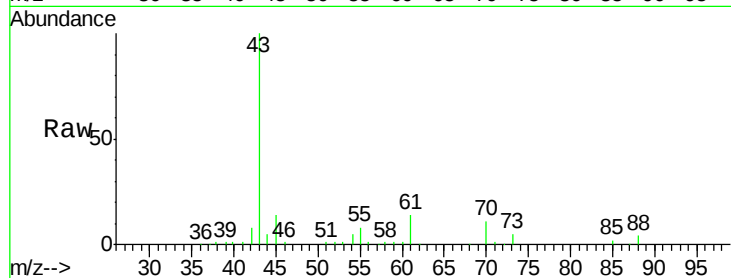
#37
Ethyl Acetate
Concen: 20.367 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX012609.D
Acq: 23 Sep 2019 17:07

Instrument :
MSVOA_X
ClientSampleId :
VX0923WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	10.2	15.4
70	11.3	8.7	13.1

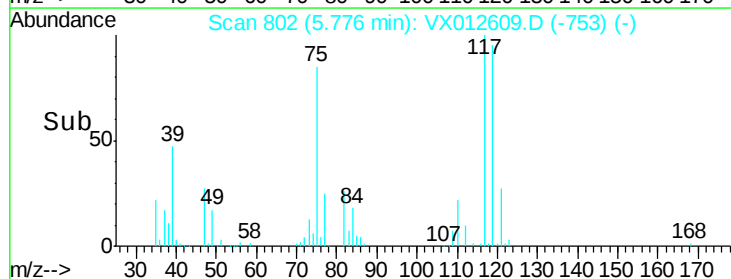
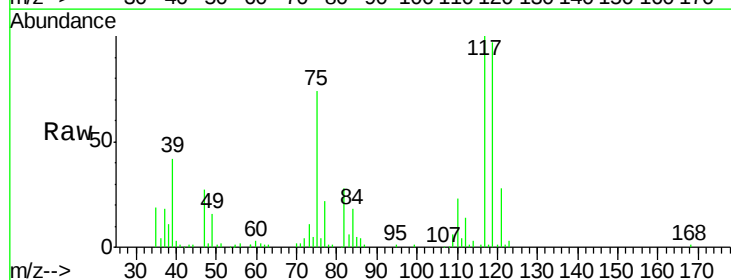
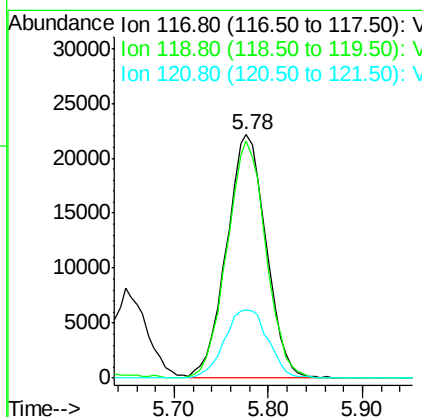
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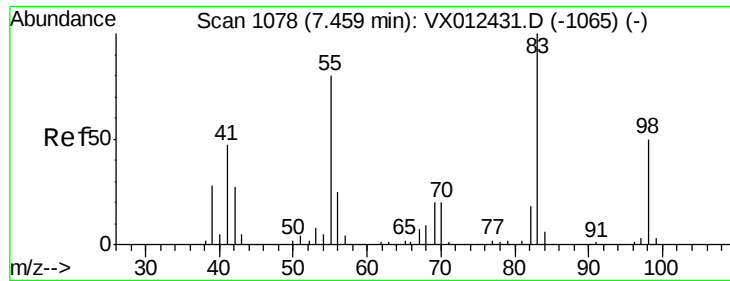
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#38
Carbon Tetrachloride
Concen: 19.415 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX012609.D
Acq: 23 Sep 2019 17:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	75.7	113.5
121	28.0	24.2	36.4





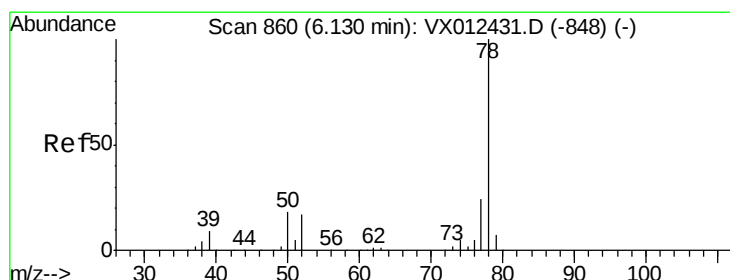
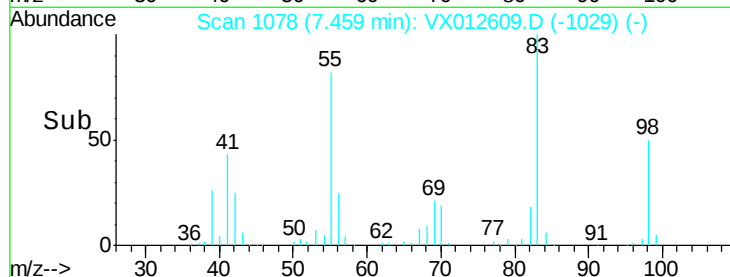
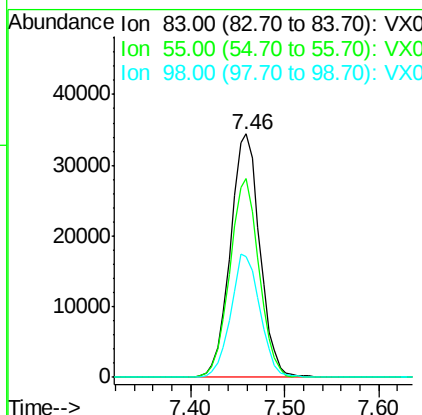
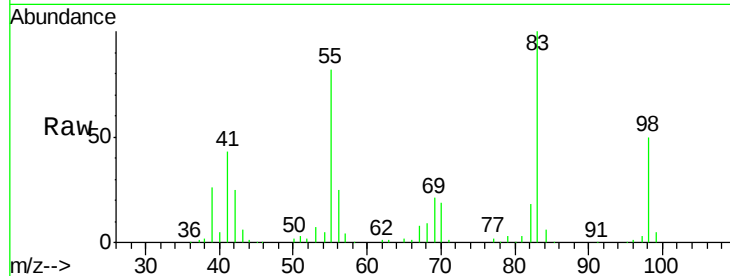
#39
Methvlcvclohexane
Concen: 19.022 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX012609.D
Acq: 23 Sep 2019 17:07

Instrument :
MSVOA_X
ClientSampleId :
VX0923WBSD02

Tot Ion	83	Resp	75000
Ion Ratio	100	Lower	Upper
83	100		
55	81.5	64.4	96.6
98	49.8	40.1	60.1

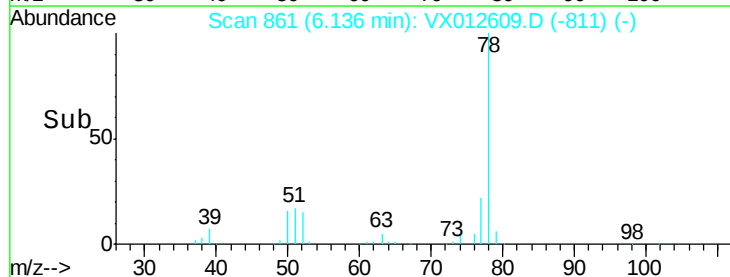
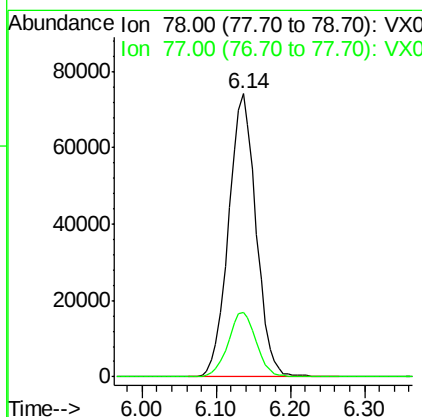
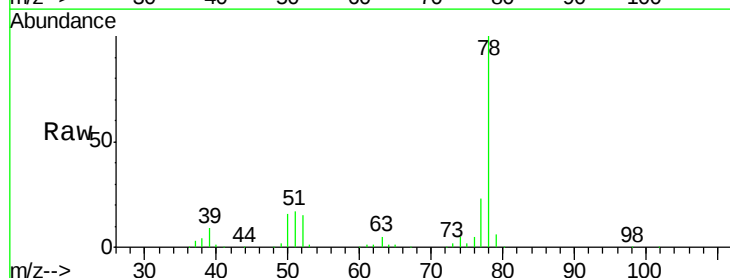
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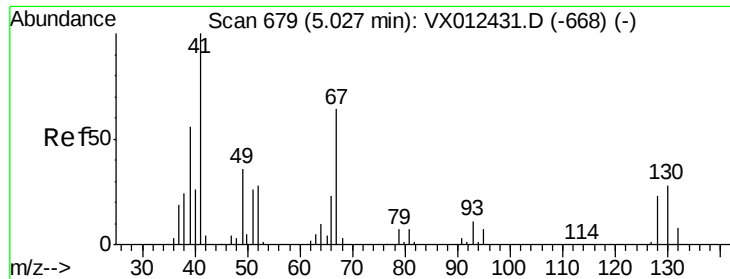
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#40
Benzene
Concen: 19.903 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX012609.D
Acq: 23 Sep 2019 17:07

Tgt Ion	78	Resp	191795
Ion Ratio	100	Lower	Upper
78	100		
77	23.0	19.2	28.8





#41

Methacrylonitrile

Concen: 19.894 ug/l

RT: 5.03 min Scan# 680

Delta R.T. 0.01 min

Lab File: VX012609.D

Acq: 23 Sep 2019 17:07

Instrument :

MSVOA_X

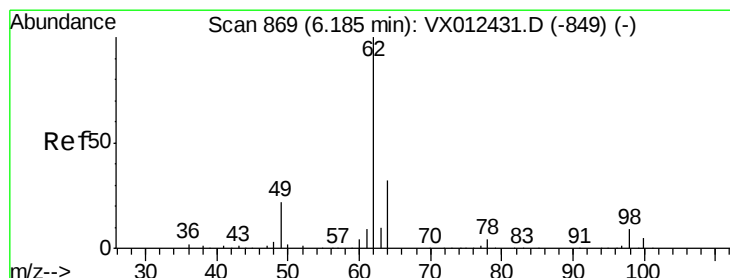
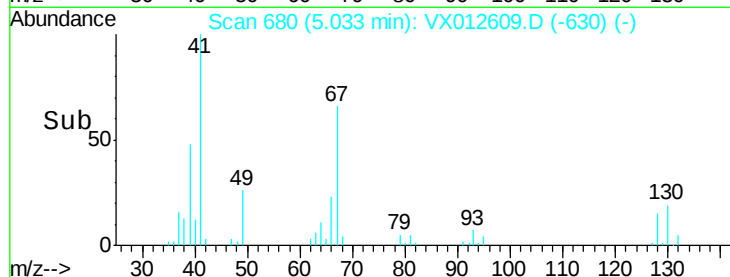
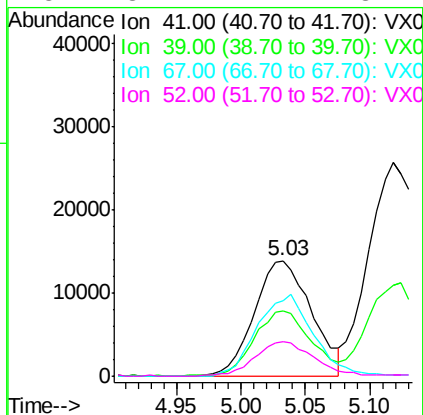
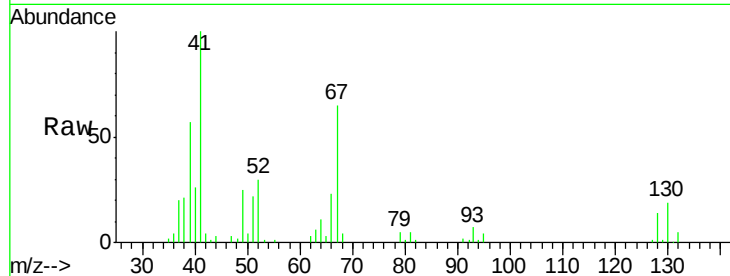
ClientSampleId :

VX0923WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.3	46.0	69.0	
67	69.6	52.2	78.2	
52	31.1	22.7	34.1	

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#42

1,2-Dichloroethane

Concen: 20.267 ug/l

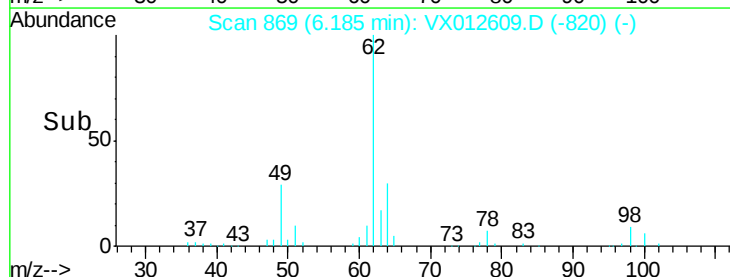
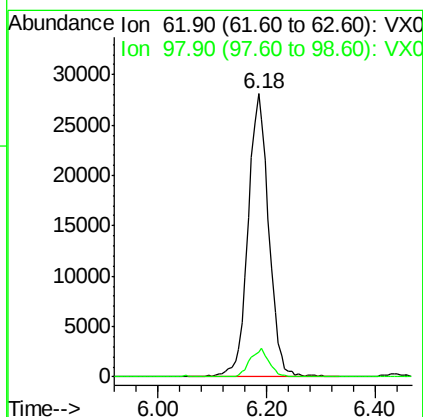
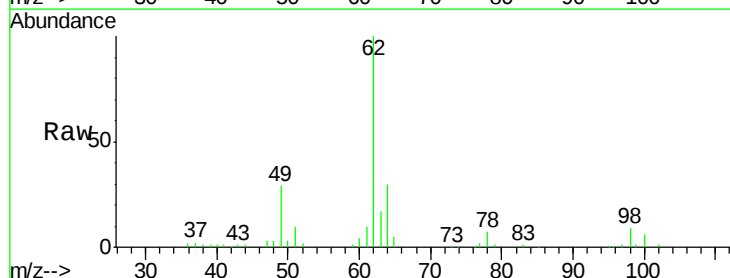
RT: 6.18 min Scan# 869

Delta R.T. 0.00 min

Lab File: VX012609.D

Acq: 23 Sep 2019 17:07

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.3	0.0	17.8	





#43

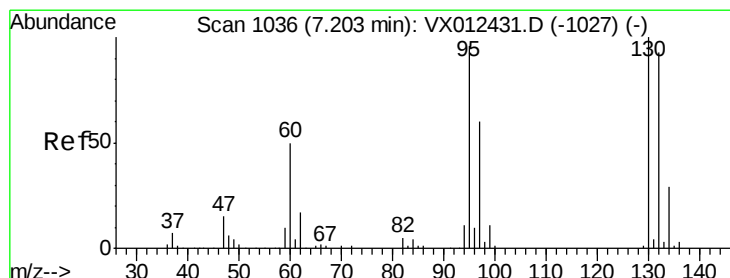
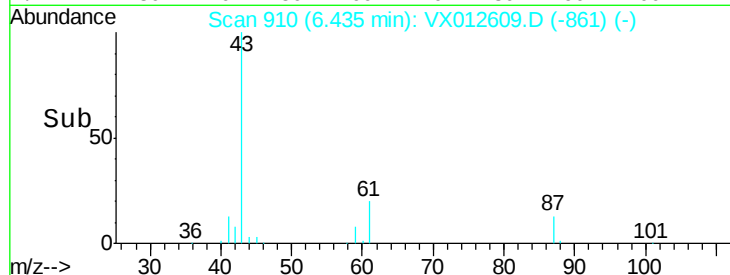
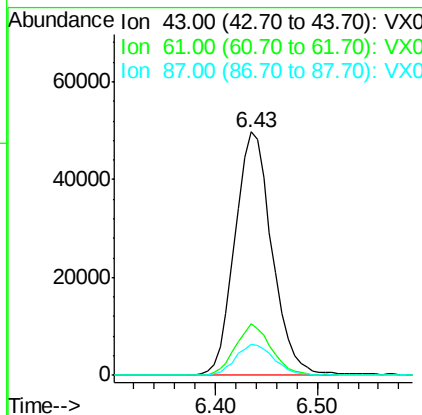
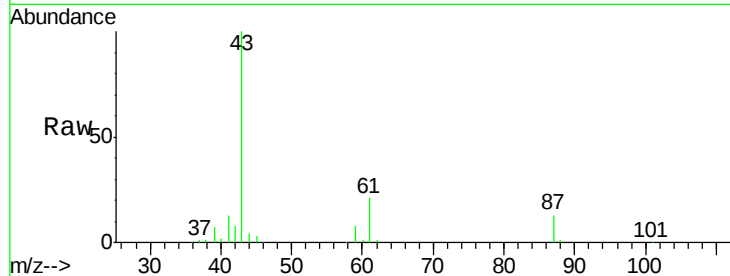
Isopropyl Acetate
 Concen: 19.599 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX012609.D
 Acq: 23 Sep 2019 17:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0923WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.6	15.4	23.0
87	13.0	9.8	14.8

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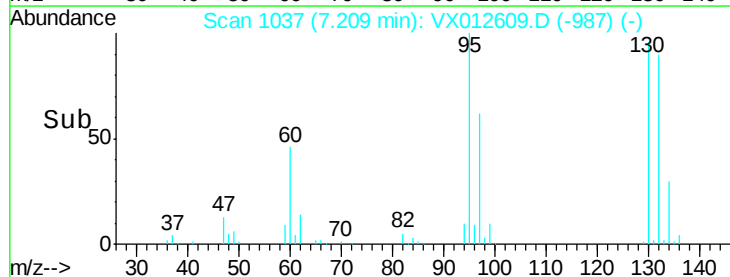
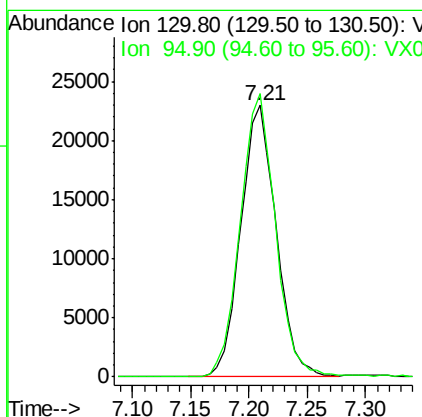
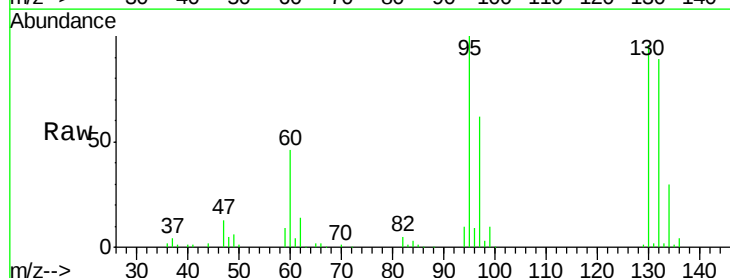
MMDadoda
 9/24/2019 10:05:46 AM



#44

Trichloroethene
 Concen: 19.846 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VX012609.D
 Acq: 23 Sep 2019 17:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.1	0.0	193.0





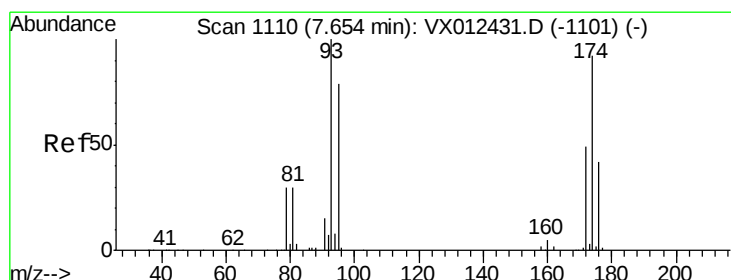
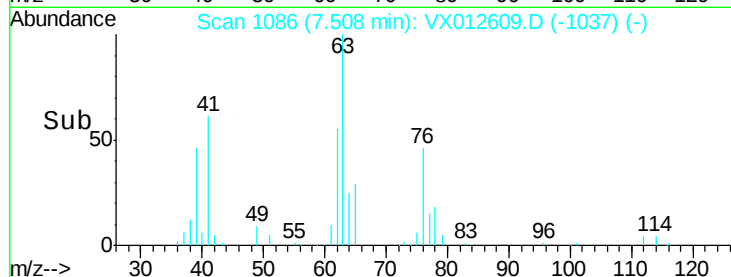
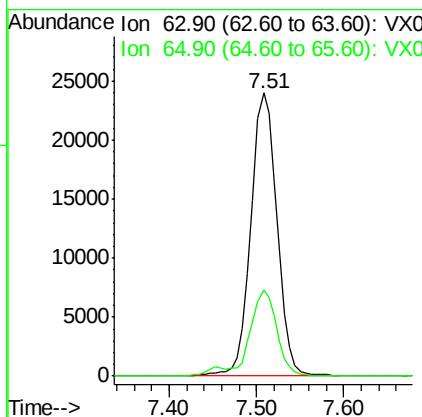
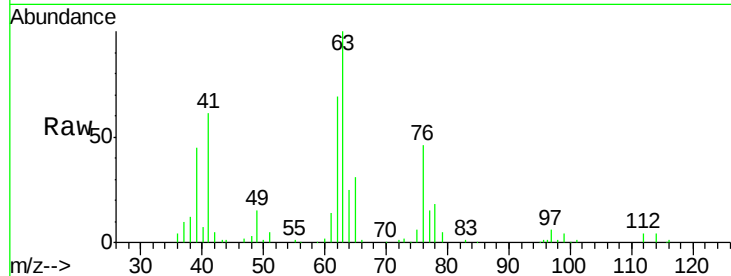
#45
 1,2-Dichloropropane
 Concen: 20.240 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX012609.D
 Acq: 23 Sep 2019 17:07

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0923WBSD02

Tot Ion: 63 Resp: 49934
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.0 37.6

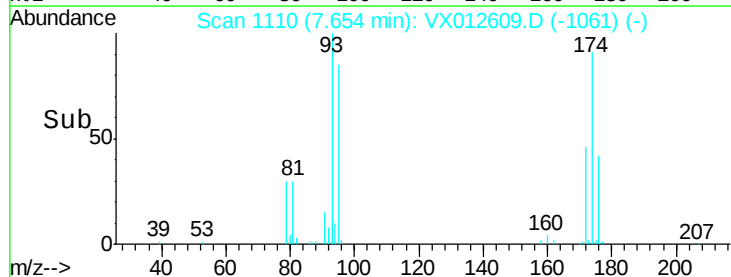
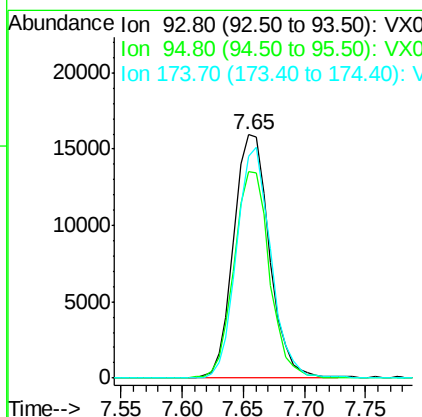
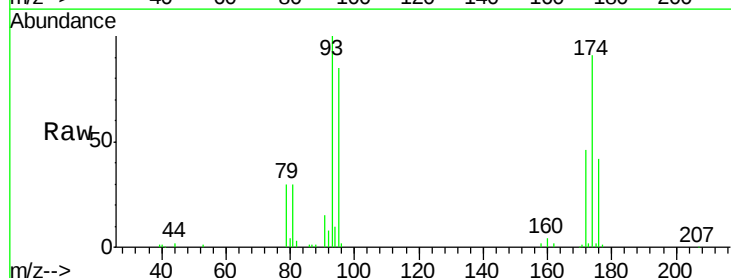
Manual Integrations
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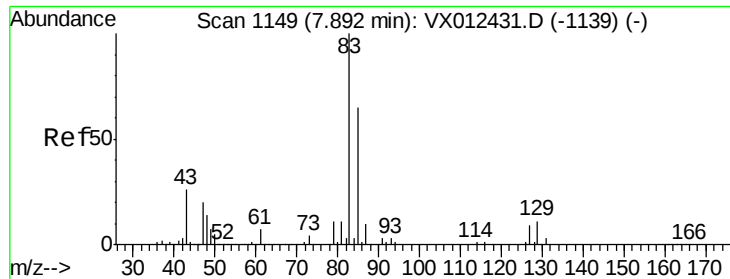
MMDadoda
 9/24/2019 10:05:46 AM



#46
 Dibromomethane
 Concen: 19.331 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX012609.D
 Acq: 23 Sep 2019 17:07

Tgt Ion: 93 Resp: 32471
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.6 100.0
 174 90.5 77.4 116.0





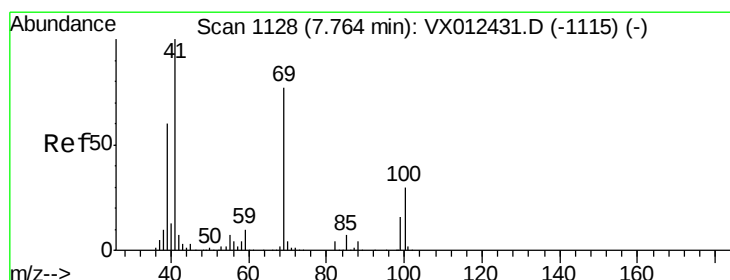
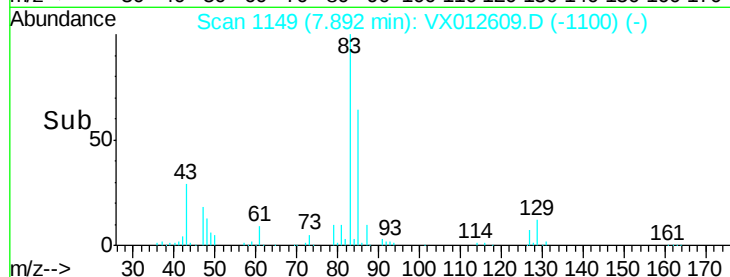
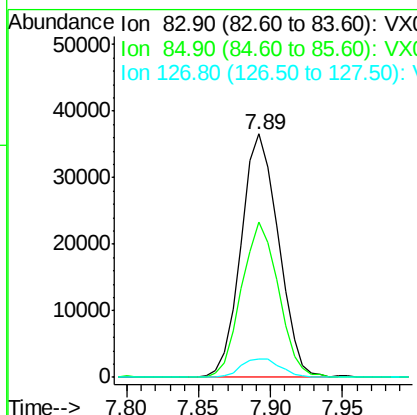
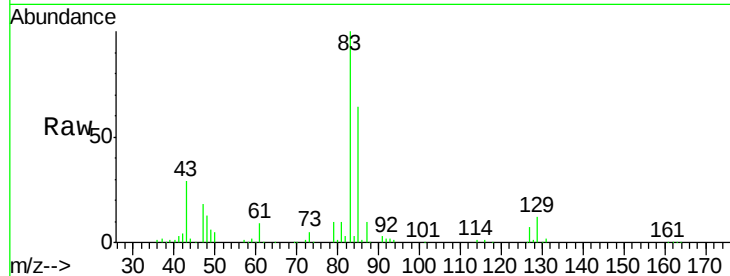
#47
 Bromodichloromethane
 Concen: 19.623 ug/l
 RT: 7.89 min Scan# 1149
 Delta R.T. 0.00 min
 Lab File: VX012609.D
 Acq: 23 Sep 2019 17:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0923WBSD02

Tot Ion	83	Resp	65876
Ion Ratio	100	Lower	Upper
83	100		
85	63.9	51.8	77.6
127	7.5	7.3	10.9

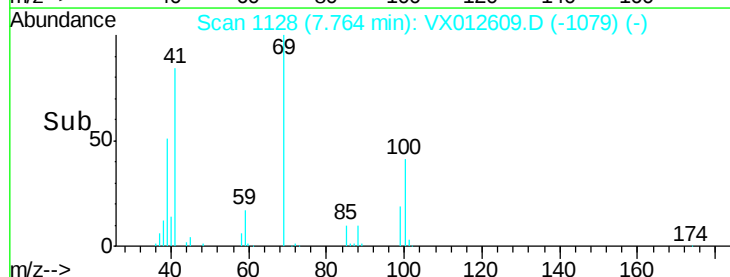
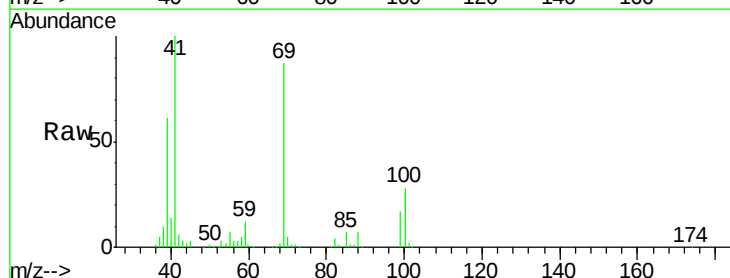
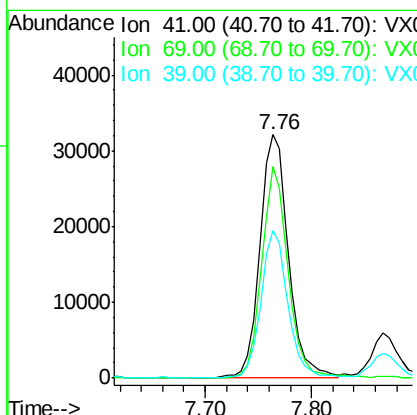
Manual Integrations
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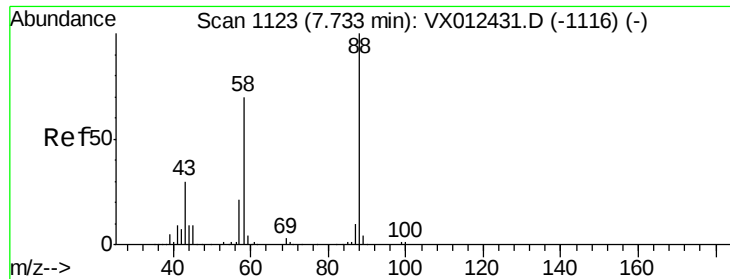
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 9/24/2019 10:05:46 AM



#48
 Methyl methacrylate
 Concen: 19.670 ug/l
 RT: 7.76 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VX012609.D
 Acq: 23 Sep 2019 17:07

Tgt Ion	41	Resp	60392
Ion Ratio	100	Lower	Upper
41	100		
69	80.4	59.9	89.9
39	57.7	47.8	71.6





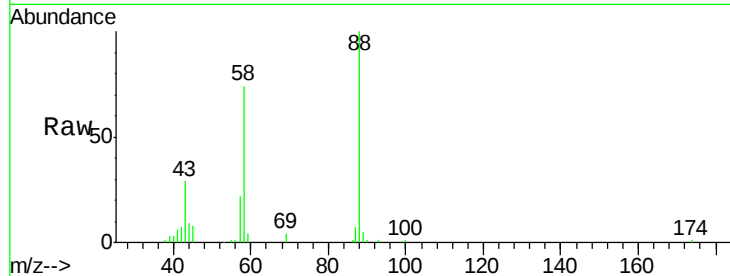
#49
1,4-Dioxane
Concen: 419.935 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX012609.D
Acq: 23 Sep 2019 17:07

Instrument :
MSVOA_X
ClientSampleId :
VX0923WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.4	29.4	44.0
58	70.2	57.5	86.3

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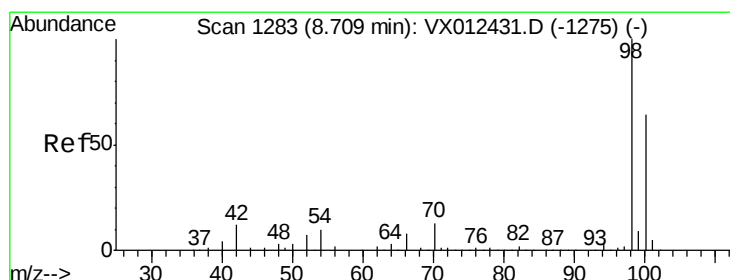
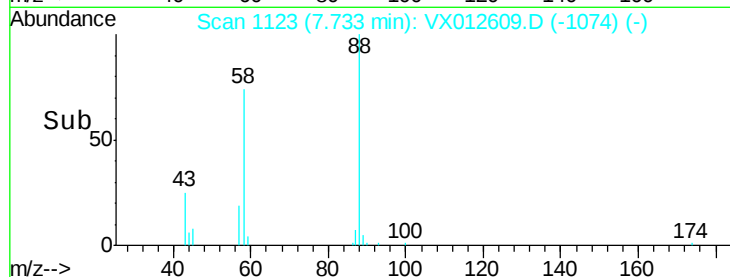
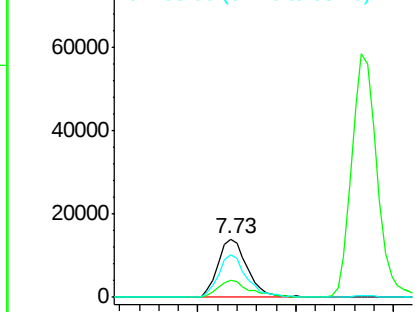


Abundance

Ion 88.00 (87.70 to 88.70): VX0

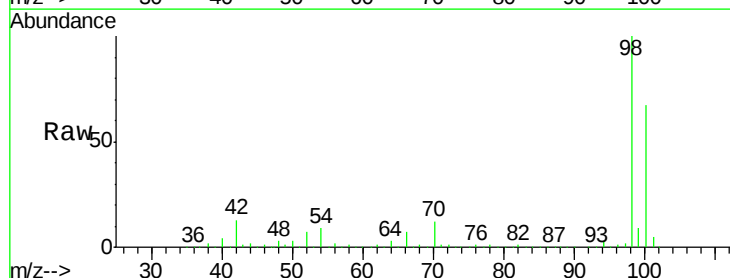
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 54.585 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012609.D
Acq: 23 Sep 2019 17:07

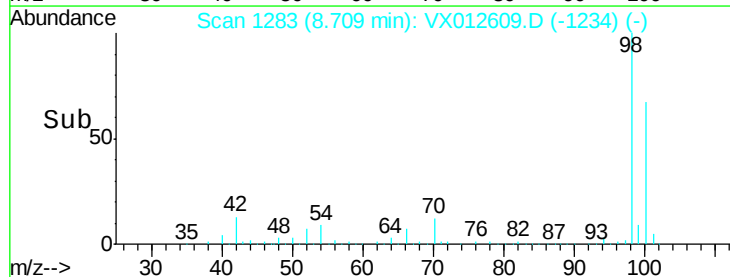
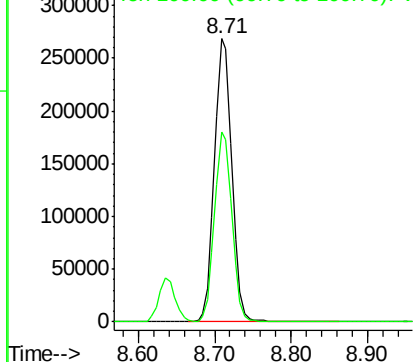
Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.4	80.2

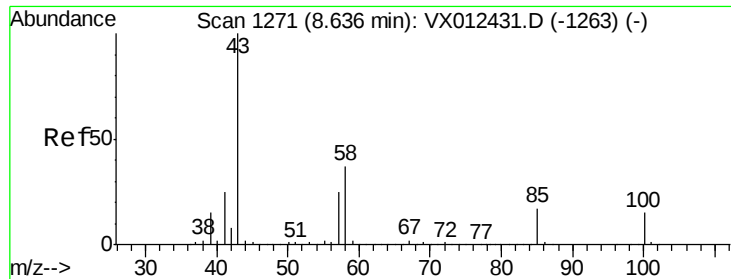


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 100.599 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012609.D

Acq: 23 Sep 2019 17:07

Instrument :

MSVOA_X

ClientSampleId :

VX0923WBSD02

Tot Ion: 43 Resp: 397624

Ion Ratio Lower Upper

43 100

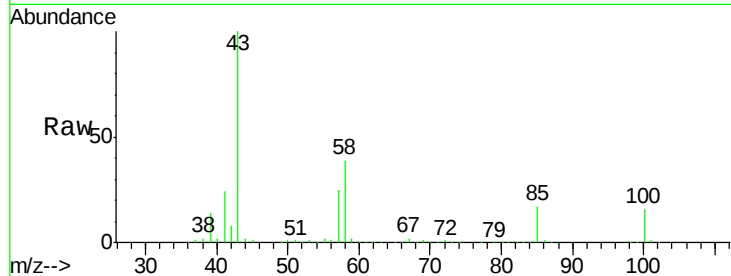
58 39.1 29.8 44.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

250000

200000

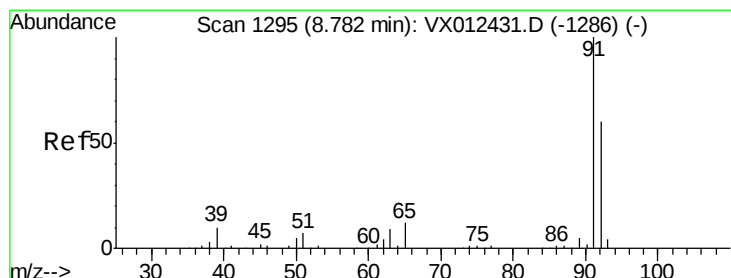
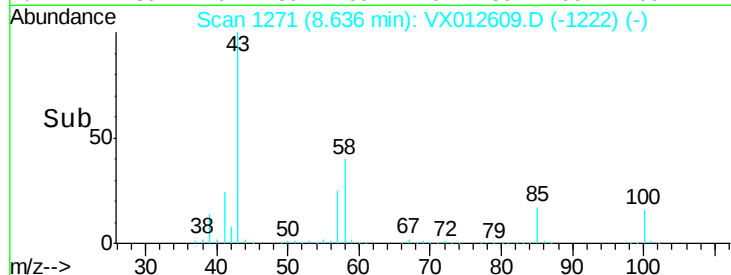
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.672 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX012609.D

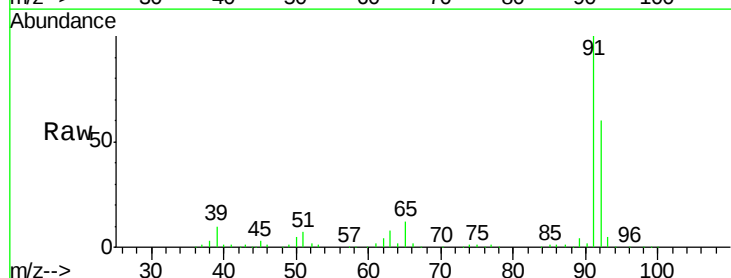
Acq: 23 Sep 2019 17:07

Tgt Ion: 92 Resp: 119140

Ion Ratio Lower Upper

92 100

91 170.9 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

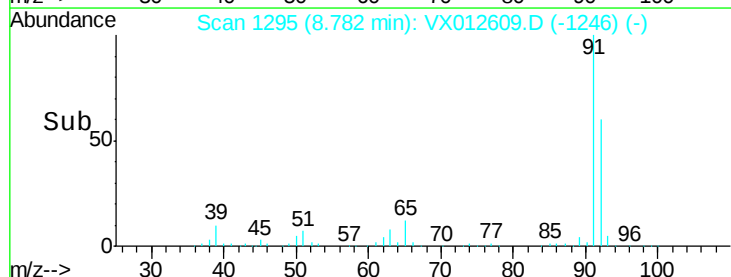
150000

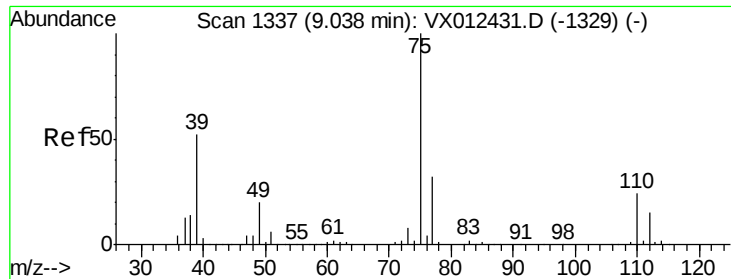
100000

50000

0

Time-->





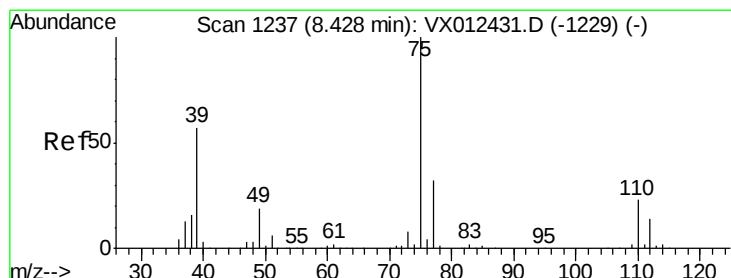
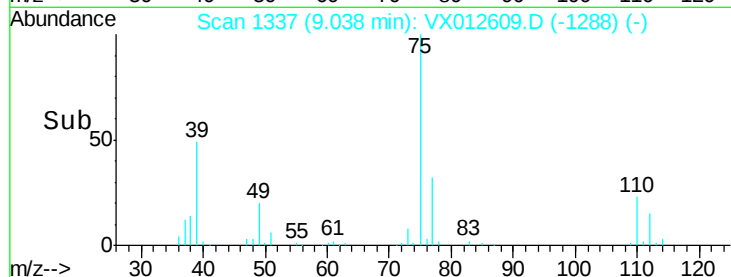
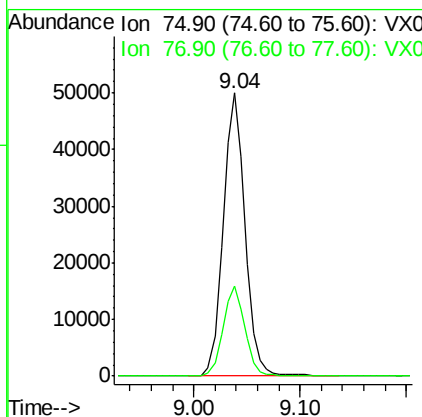
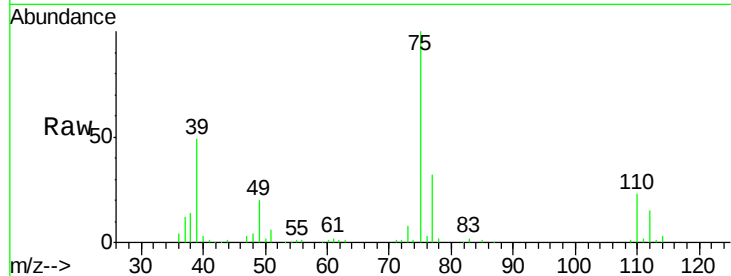
#53
t-1,3-Dichloropropene
Concen: 19.250 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX012609.D
Acq: 23 Sep 2019 17:07

Instrument :
MSVOA_X
ClientSampleId :
VX0923WBSD02

Tot Ion: 75 Resp: 71501
Ion Ratio Lower Upper
75 100
77 31.9 25.2 37.8

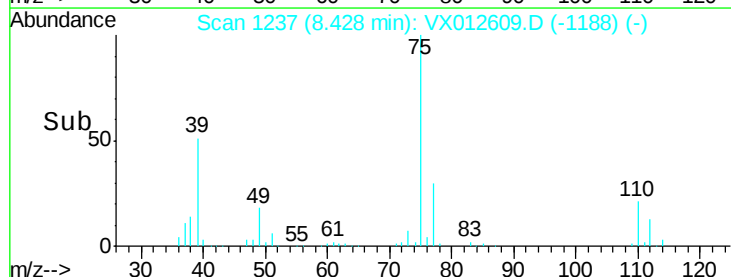
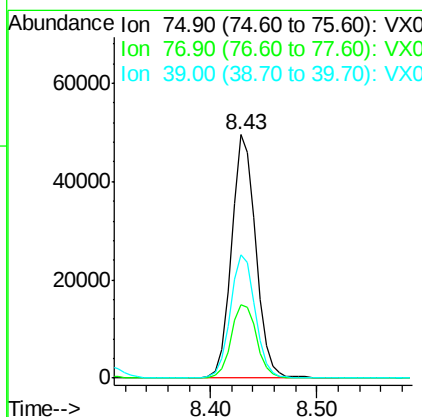
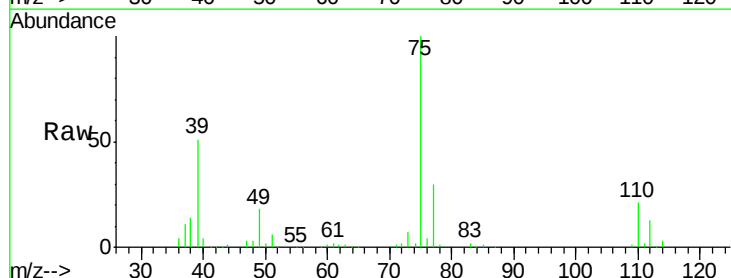
Manual Integrations
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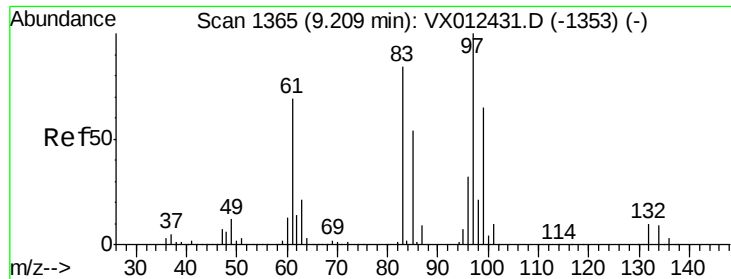
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#54
cis-1,3-Dichloropropene
Concen: 19.539 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX012609.D
Acq: 23 Sep 2019 17:07

Tgt Ion: 75 Resp: 79243
Ion Ratio Lower Upper
75 100
77 30.1 25.8 38.8
39 50.7 45.5 68.3





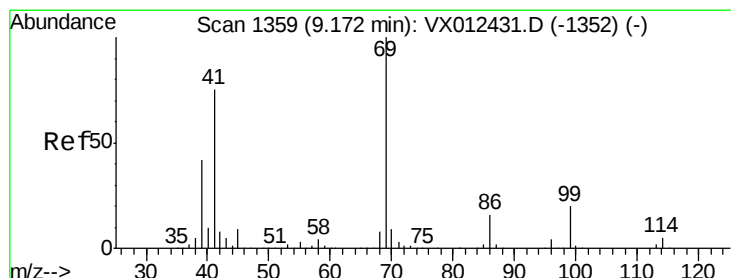
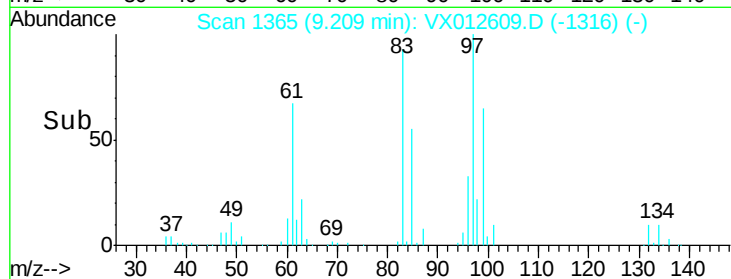
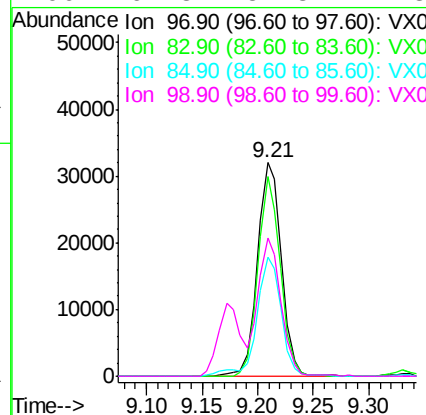
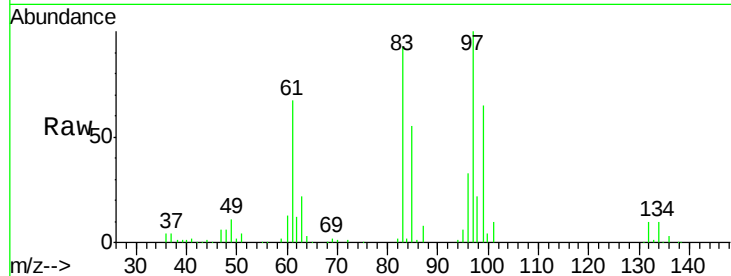
#55
 1,1,2-Trichloroethane
 Concen: 19.885 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012609.D
 Acq: 23 Sep 2019 17:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0923WBSD02

Tot Ion:	97	Resp:	47880
Ion	Ratio	Lower	Upper
97	100		
83	93.2	67.4	101.2
85	55.5	43.5	65.3
99	64.8	51.8	77.8

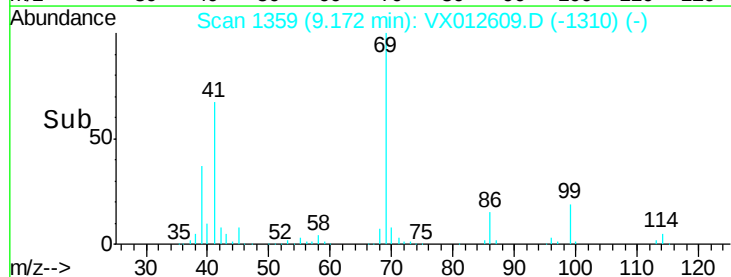
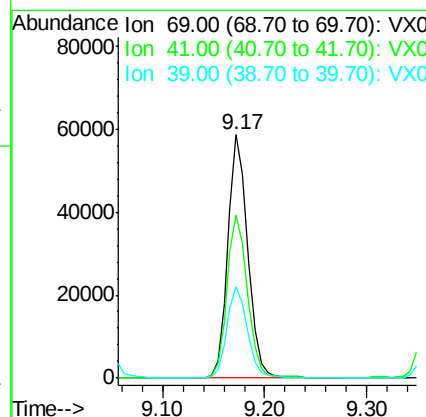
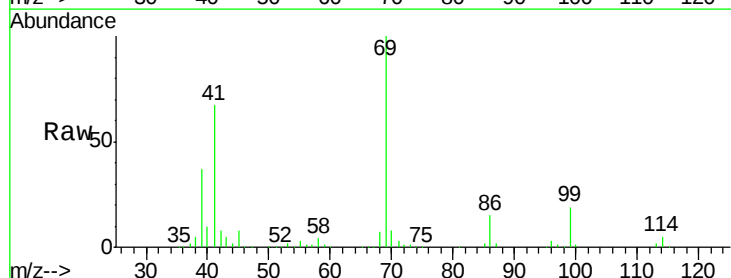
Manual Integrations
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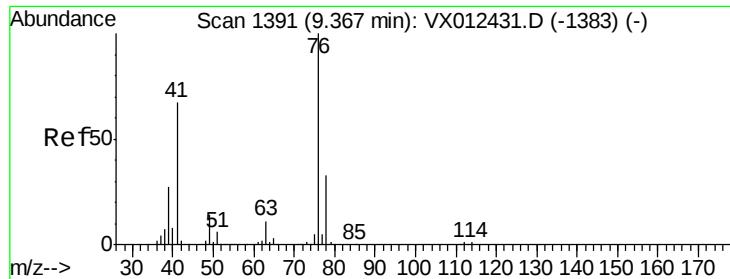
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#56
 Ethyl methacrylate
 Concen: 19.756 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012609.D
 Acq: 23 Sep 2019 17:07

Tgt Ion:	69	Resp:	79919
Ion	Ratio	Lower	Upper
69	100		
41	69.2	58.4	87.6
39	38.3	33.4	50.0





#57

1,3-Dichloropropane

Concen: 19.728 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX012609.D

Acq: 23 Sep 2019 17:07

Instrument :

MSVOA_X

ClientSampleId :

VX0923WBSD02

Tot Ion: 76 Resp: 83139

Ion Ratio Lower Upper

76 100

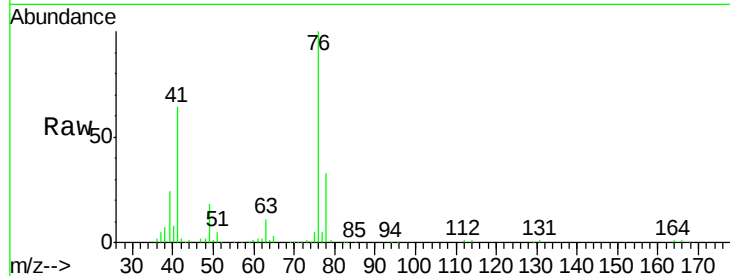
78 32.4 26.2 39.2

Manual Integrations

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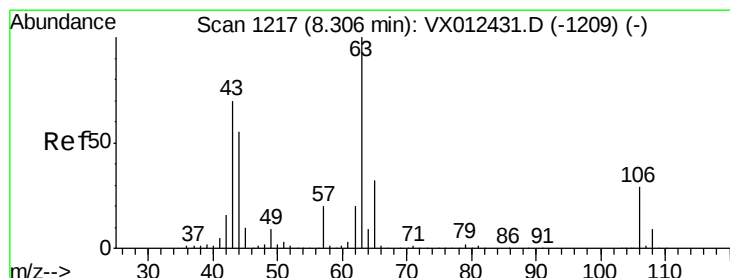
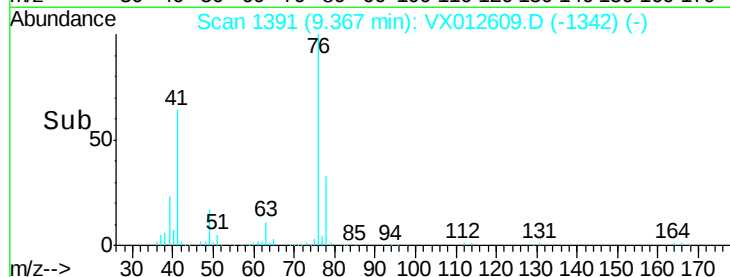
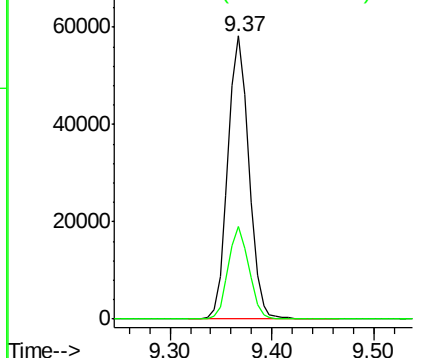
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 92.311 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX012609.D

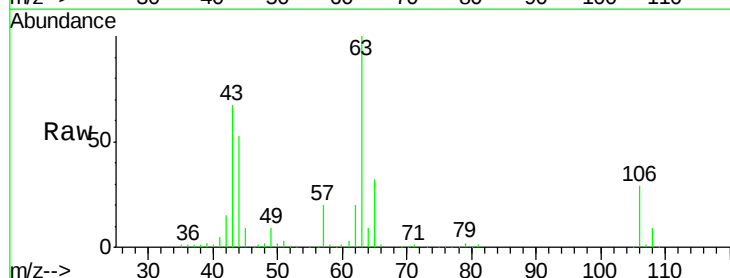
Acq: 23 Sep 2019 17:07

Tgt Ion: 63 Resp: 167618

Ion Ratio Lower Upper

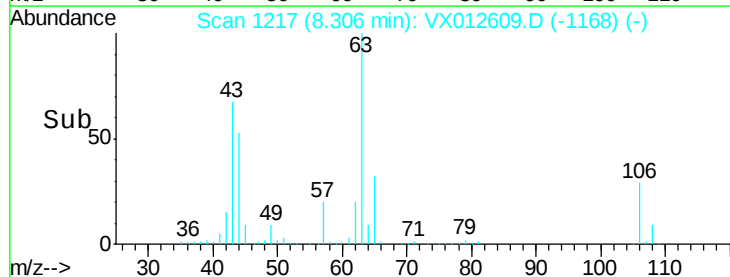
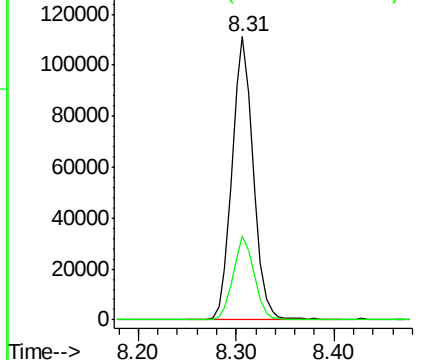
63 100

106 29.3 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





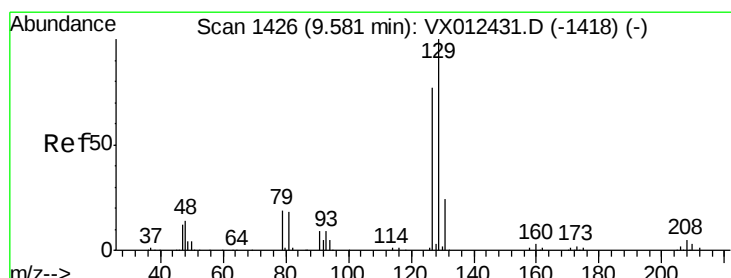
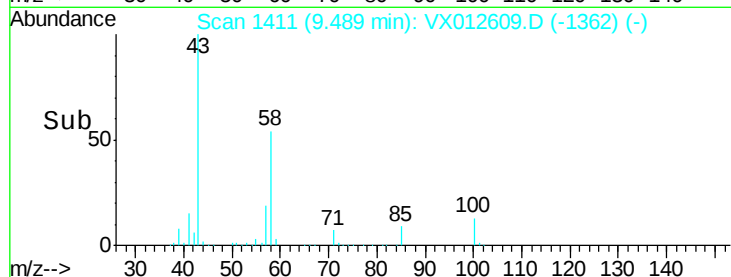
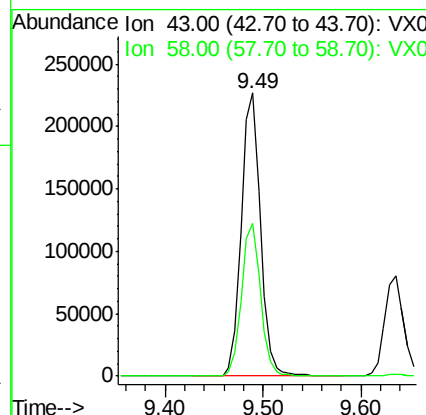
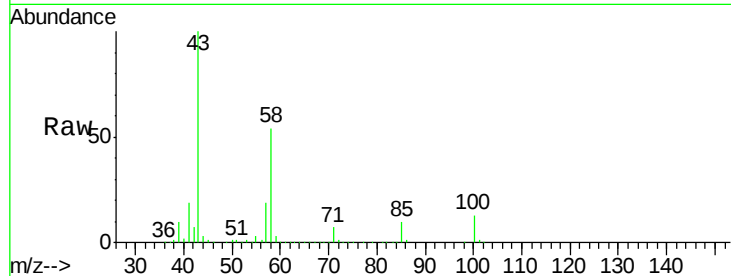
#59
2-Hexanone
Concen: 102.167 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.00 min
Lab File: VX012609.D
Acq: 23 Sep 2019 17:07

Instrument :
MSVOA_X
ClientSampleID :
VX0923WBSD02

Tot Ion: 43 Resp: 309101
Ion Ratio Lower Upper
43 100
58 53.7 25.7 77.1

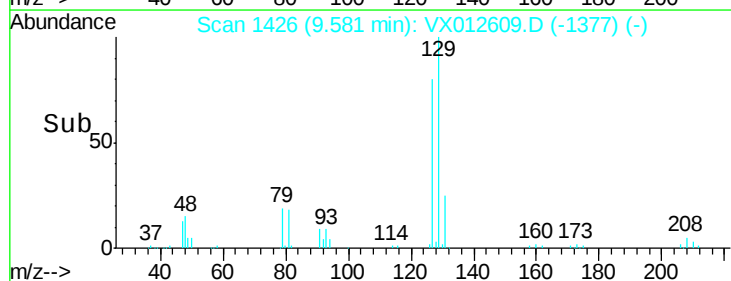
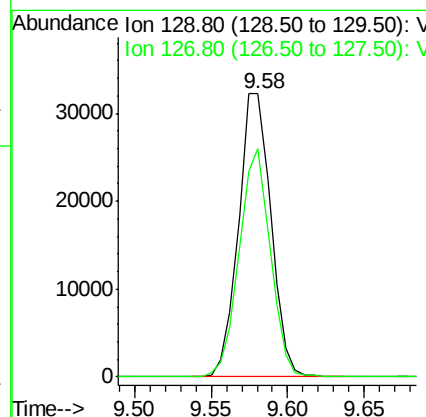
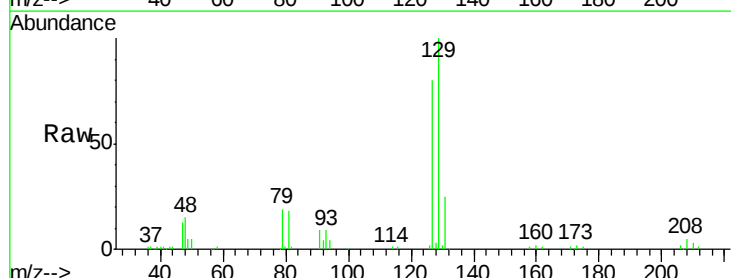
Manual Integrations
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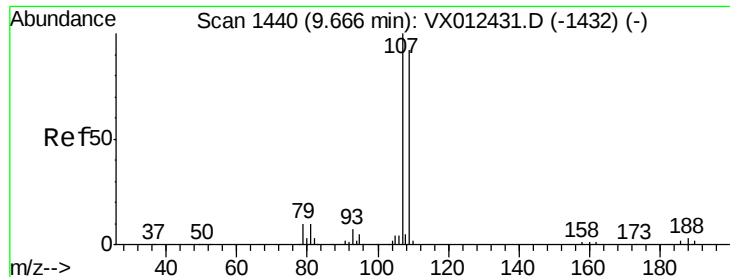
MMDadoda
9/24/2019 10:05:46 AM



#60
Dibromochloromethane
Concen: 19.510 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX012609.D
Acq: 23 Sep 2019 17:07

Tgt Ion: 129 Resp: 47556
Ion Ratio Lower Upper
129 100
127 77.3 38.9 116.6





#61

1,2-Dibromoethane

Concen: 20.234 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012609.D

Acq: 23 Sep 2019 17:07

Instrument :

MSVOA_X

ClientSampleId :

VX0923WBSD02

Tot Ion: 107 Resp: 50704

Ion Ratio Lower Upper

107 100

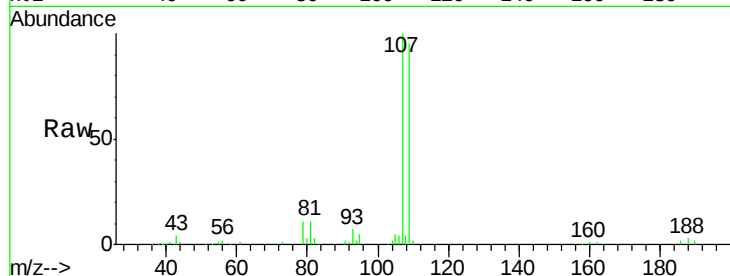
109 93.4 74.7 112.1

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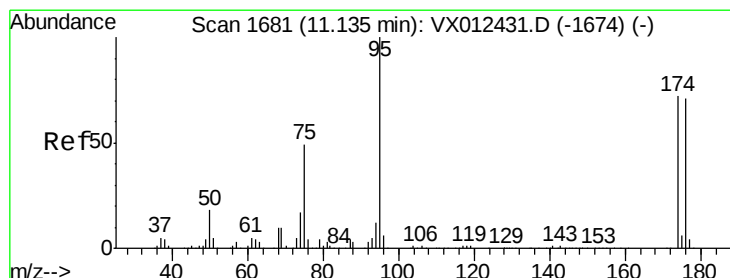
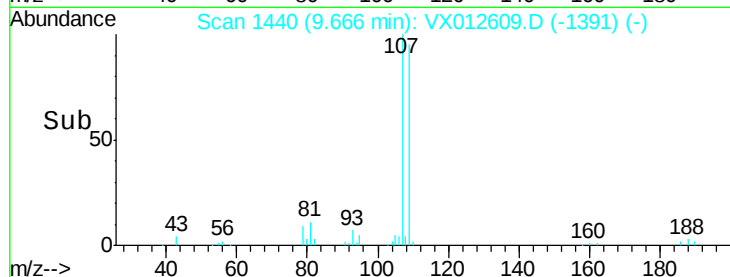
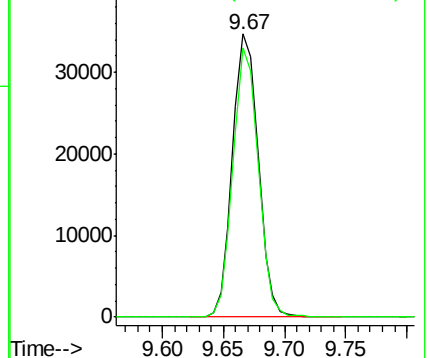
MMDadoda

9/24/2019 10:05:46 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.834 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012609.D

Acq: 23 Sep 2019 17:07

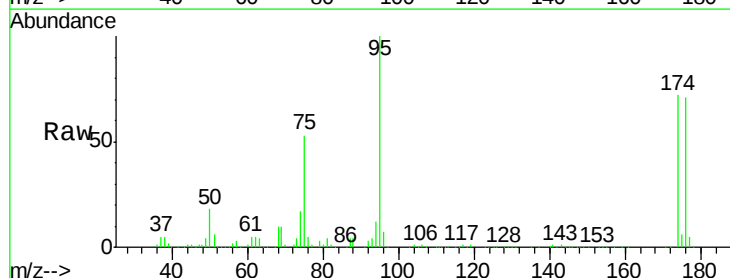
Tgt Ion: 95 Resp: 161889

Ion Ratio Lower Upper

95 100

174 67.1 0.0 140.0

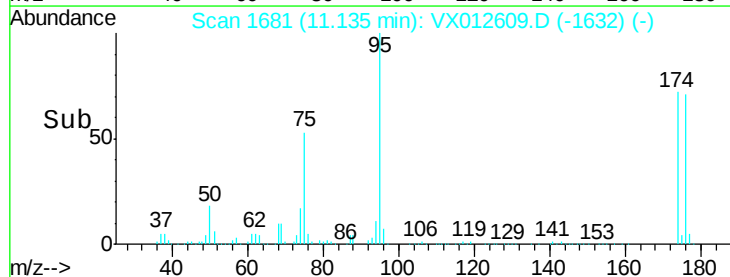
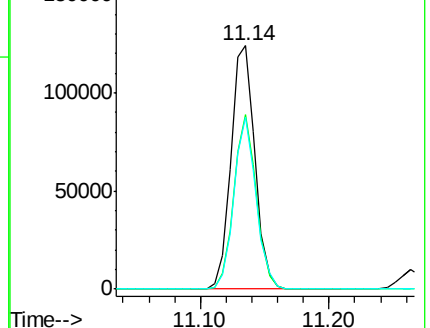
176 65.6 0.0 135.4

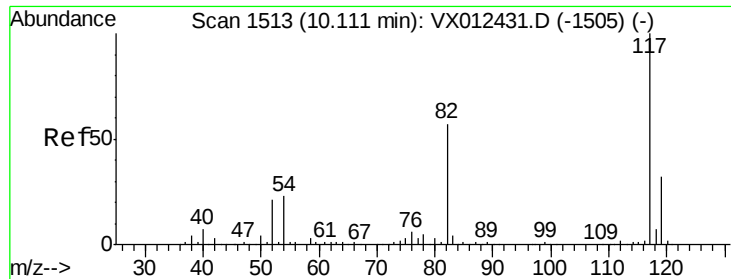


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





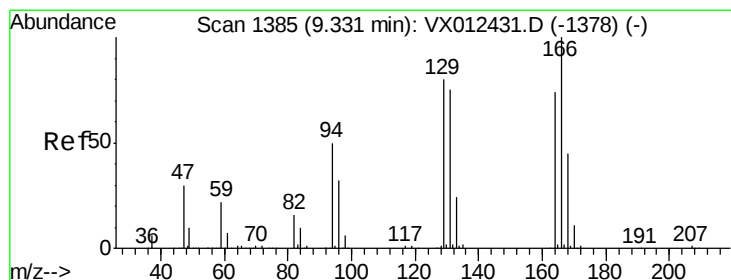
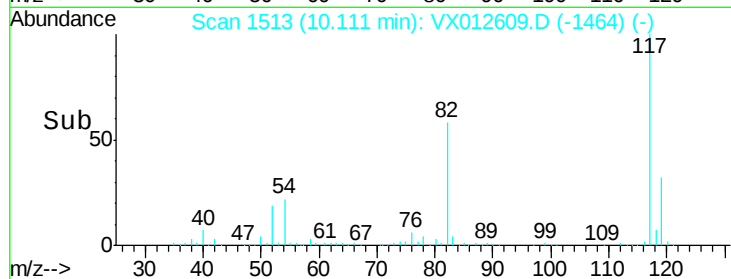
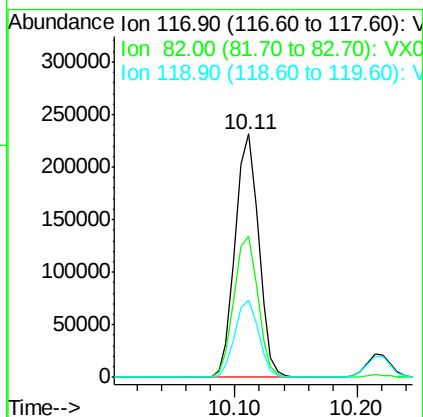
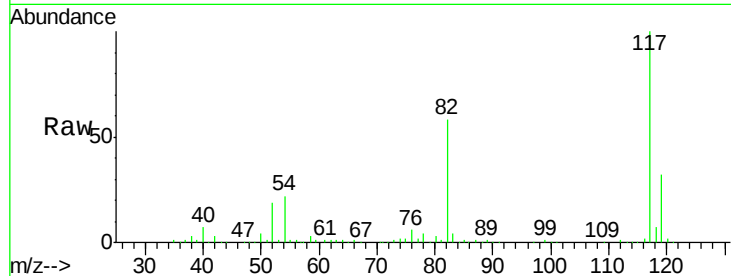
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012609.D
Acq: 23 Sep 2019 17:07

Instrument :
MSVOA_X
ClientSampleId :
VX0923WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	45.9	68.9
119	31.8	25.3	37.9

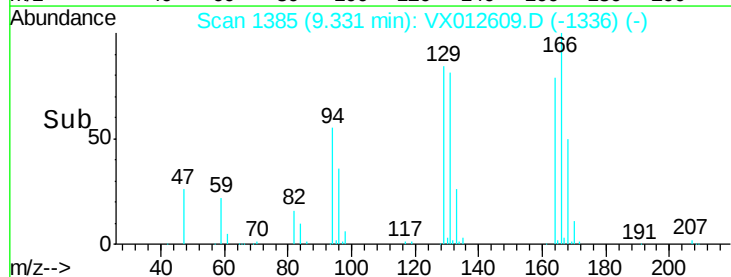
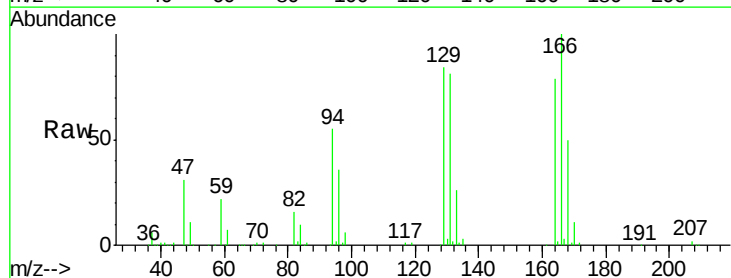
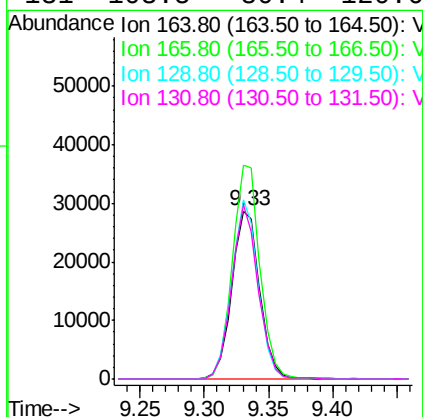
Manual Integrations
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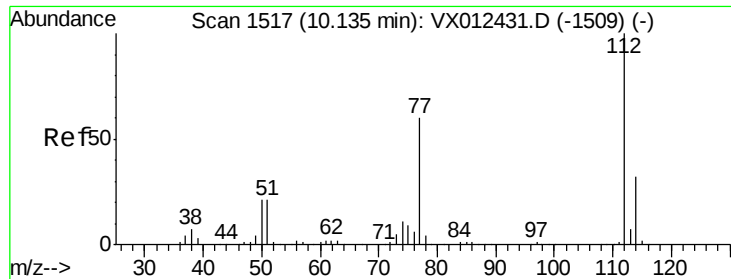
MMDadoda
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#64
Tetrachloroethene
Concen: 20.034 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012609.D
Acq: 23 Sep 2019 17:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	107.8	161.6
129	106.9	86.2	129.2
131	103.5	80.4	120.6





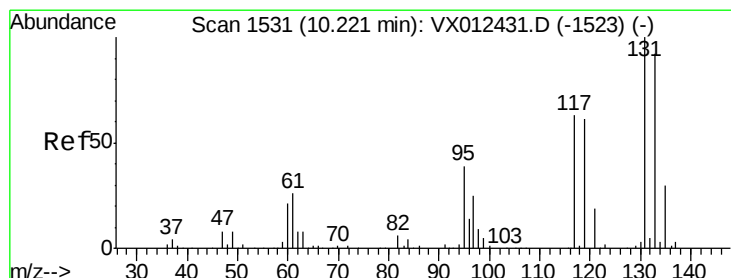
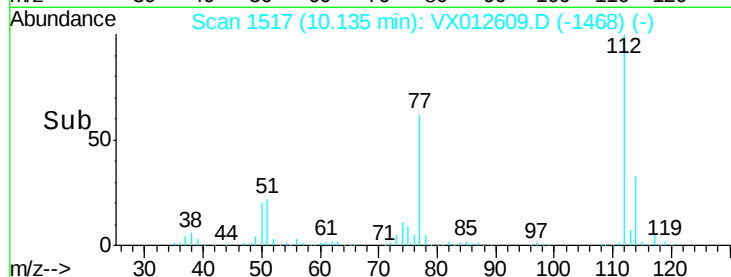
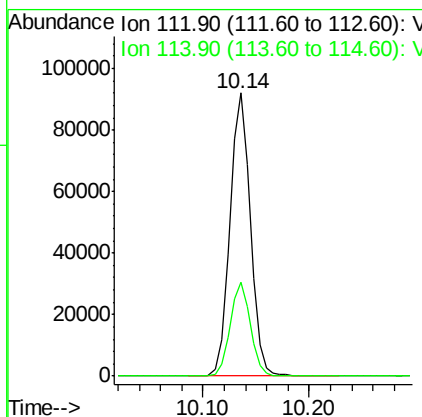
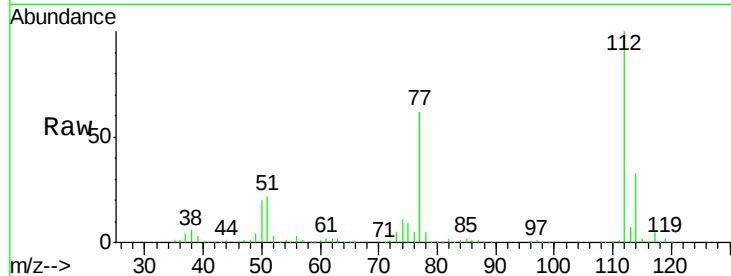
#65
Chlorobenzene
Concen: 19.143 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX012609.D
Acq: 23 Sep 2019 17:07

Instrument :
MSVOA_X
ClientSampleID :
VX0923WBSD02

Tot Ion:112 Resp: 124212
Ion Ratio Lower Upper
112 100
114 33.2 25.4 38.0

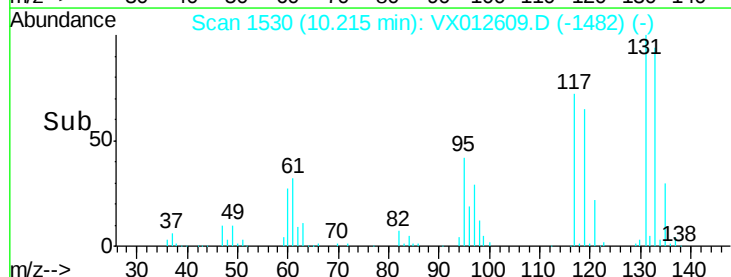
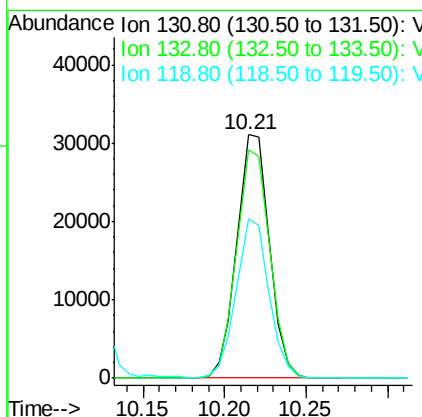
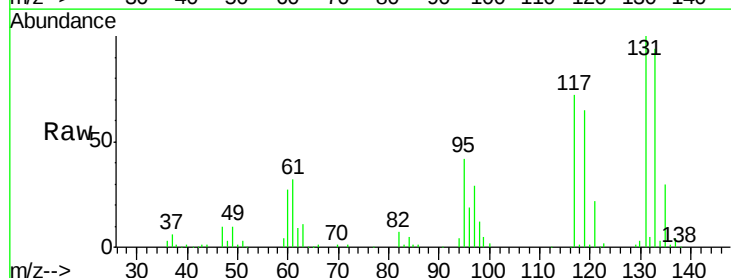
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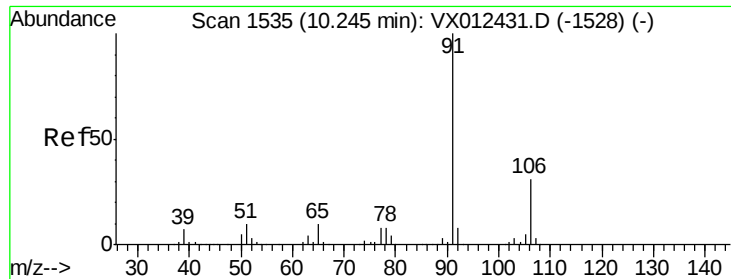
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.525 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VX012609.D
Acq: 23 Sep 2019 17:07

Tgt Ion:131 Resp: 43552
Ion Ratio Lower Upper
131 100
133 95.6 47.6 142.9
119 65.6 31.3 93.8





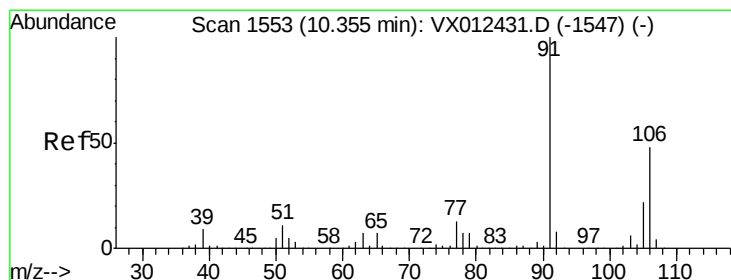
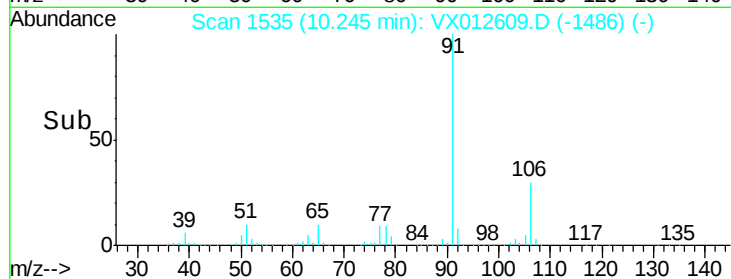
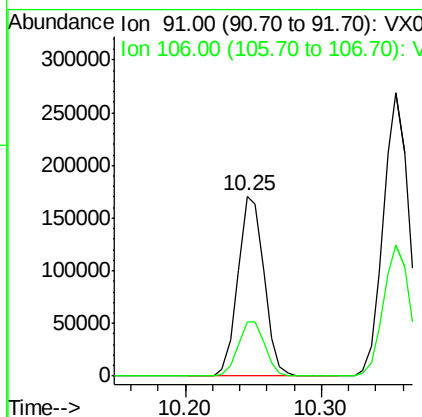
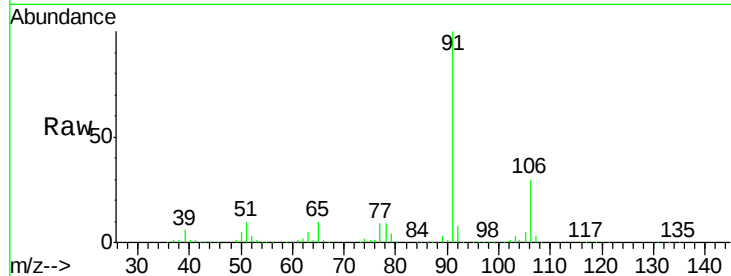
#67
Ethyl Benzene
Concen: 19.461 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX012609.D
Acq: 23 Sep 2019 17:07

Instrument :
MSVOA_X
ClientSampleId :
VX0923WBSD02

Tot Ion: 91 Resp: 229032
Ion Ratio Lower Upper
91 100
106 30.2 24.6 37.0

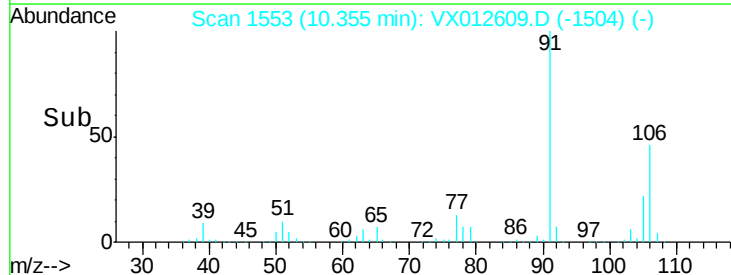
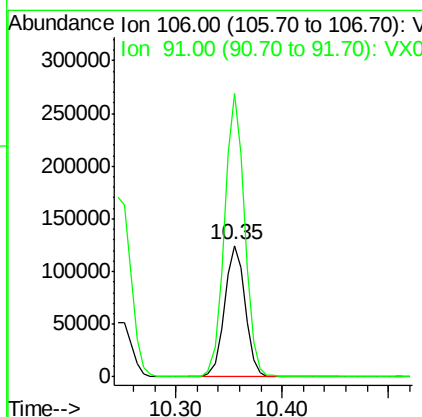
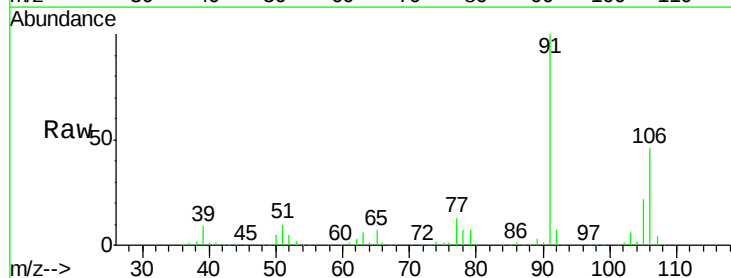
Manual Integrations
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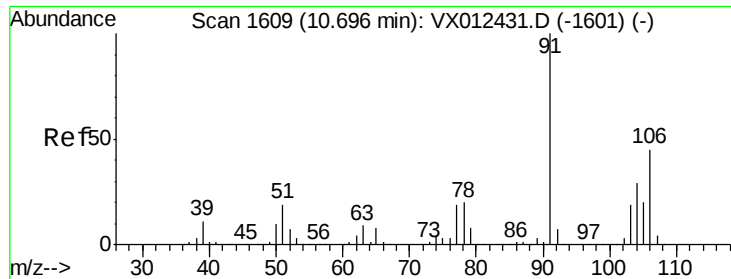
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#68
m/p-Xylenes
Concen: 38.382 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012609.D
Acq: 23 Sep 2019 17:07

Tgt Ion: 106 Resp: 169214
Ion Ratio Lower Upper
106 100
91 210.5 166.6 250.0





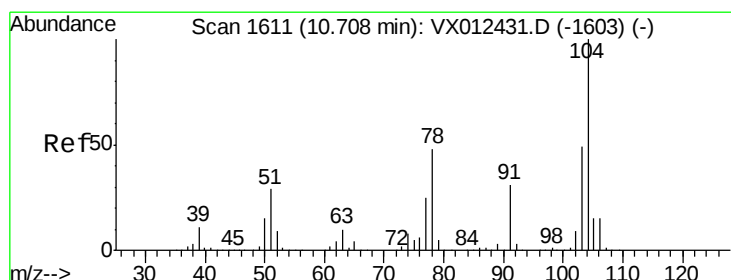
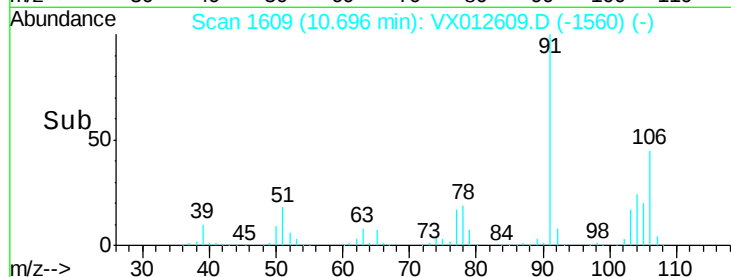
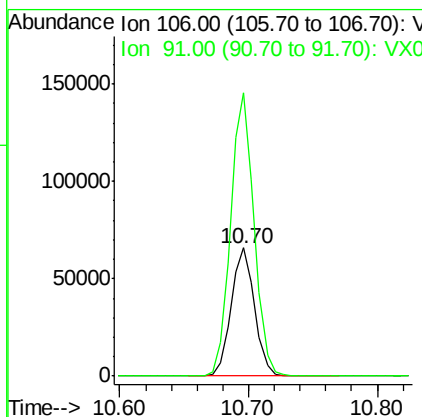
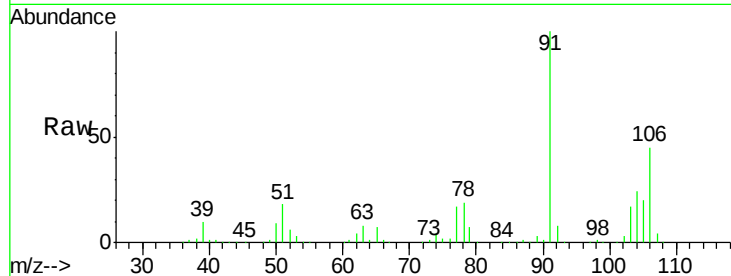
#69
o-Xylene
Concen: 19.661 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012609.D
Acq: 23 Sep 2019 17:07

Instrument :
MSVOA_X
ClientSampleId :
VX0923WBSD02

Tot Ion:106 Resp: 83874
Ion Ratio Lower Upper
106 100
91 220.0 109.4 328.2

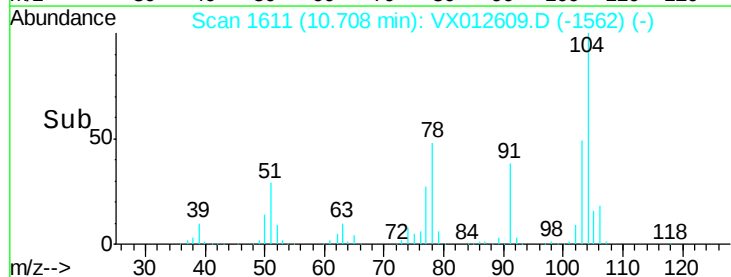
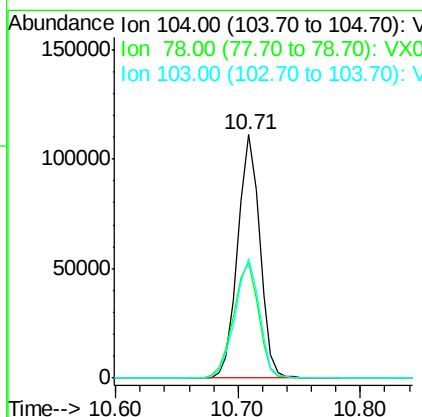
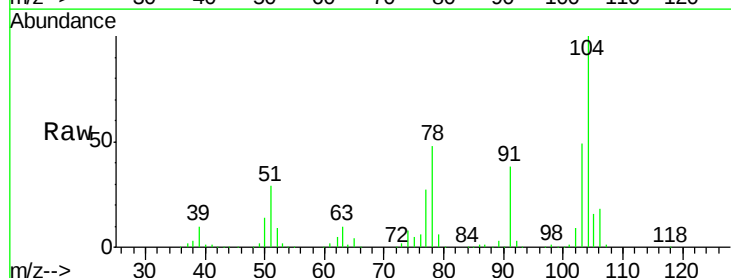
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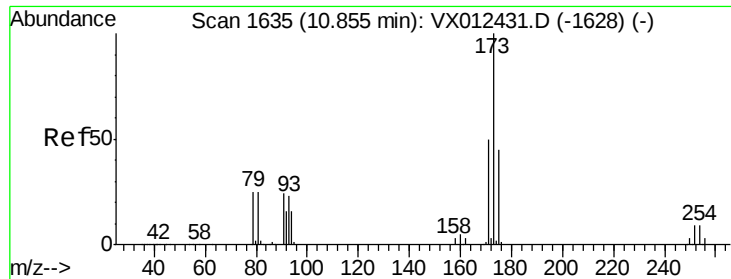
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#70
Styrene
Concen: 19.417 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012609.D
Acq: 23 Sep 2019 17:07

Tgt Ion:104 Resp: 138862
Ion Ratio Lower Upper
104 100
78 53.9 43.4 65.2
103 54.2 43.3 64.9





#71

Bromoform

Concen: 18.377 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012609.D

Acq: 23 Sep 2019 17:07

Instrument :

MSVOA_X

ClientSampleId :

VX0923WBSD02

Tot Ion:173 Resp: 30084

Ion Ratio Lower Upper

173 100

175 48.2 23.7 71.1

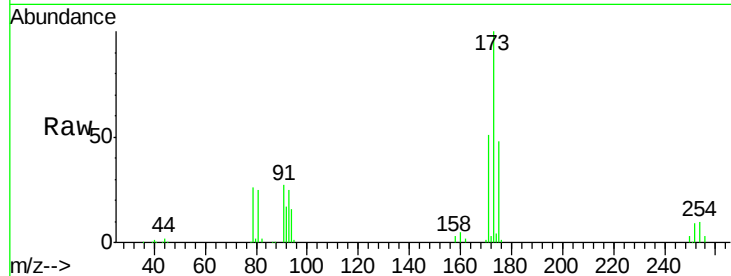
254 0.0 0.1 0.1#

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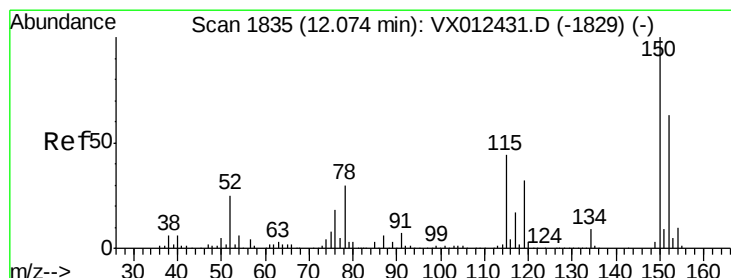
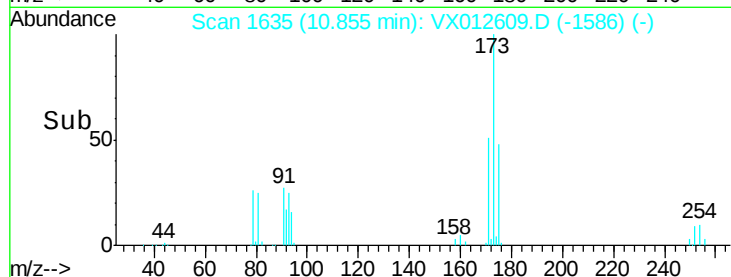
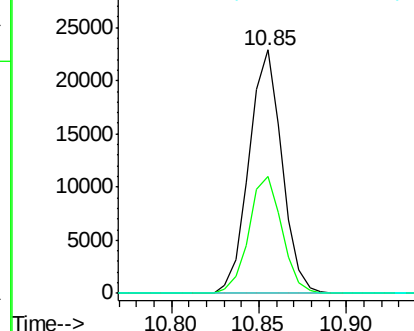
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012609.D

Acq: 23 Sep 2019 17:07

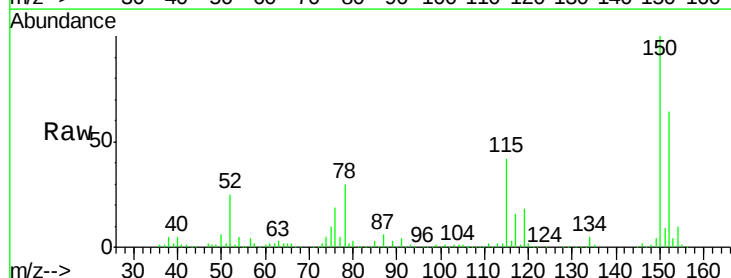
Tgt Ion:152 Resp: 133520

Ion Ratio Lower Upper

152 100

115 76.7 44.1 132.3

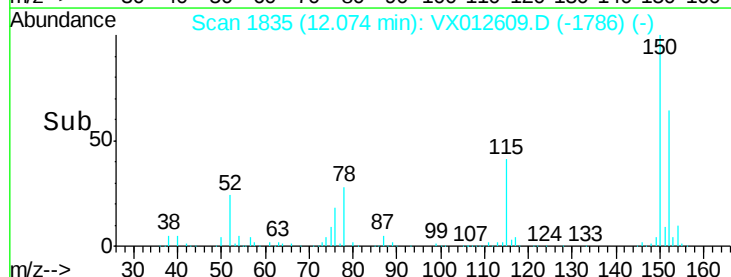
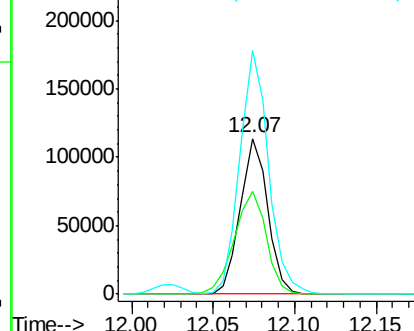
150 163.9 0.0 343.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.201 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012609.D

Acq: 23 Sep 2019 17:07

Instrument :

MSVOA_X

ClientSampleId :

VX0923WBSD02

Tot Ion: 105 Resp: 219683

Ion Ratio Lower Upper

105 100

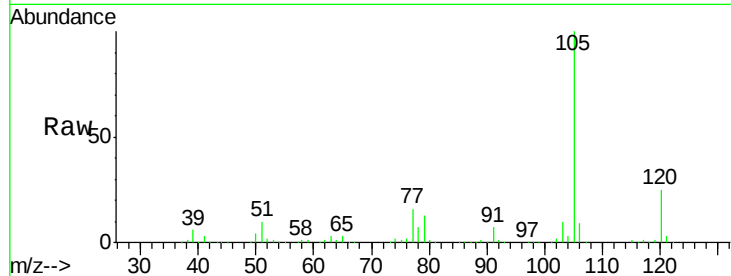
120 25.5 12.9 38.7

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

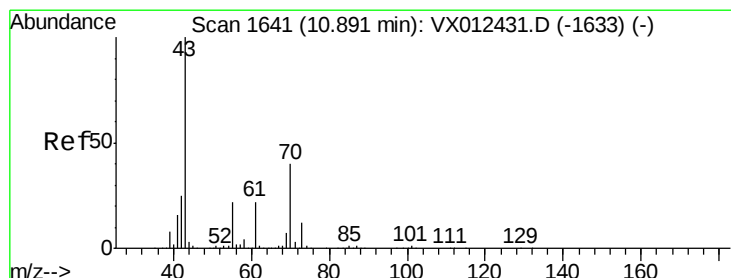
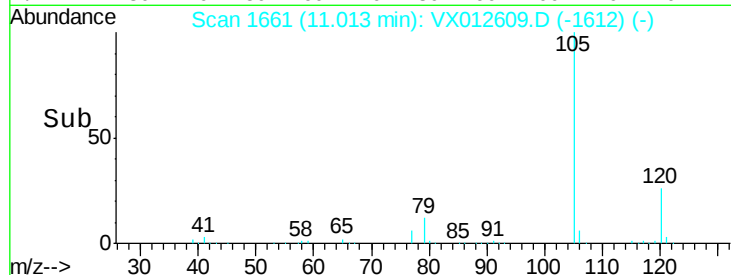
50000

0

11.01

11.10

Time-->



#74

N-ethyl acetate

Concen: 19.839 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012609.D

Acq: 23 Sep 2019 17:07

Tgt Ion: 43 Resp: 102923

Ion Ratio Lower Upper

43 100

70 42.4 32.4 48.6

55 24.4 18.2 27.4

61 23.8 18.5 27.7

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

100000

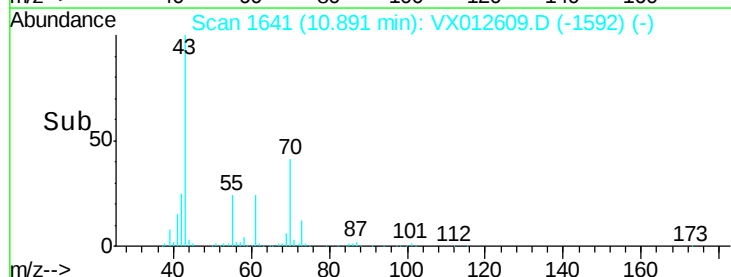
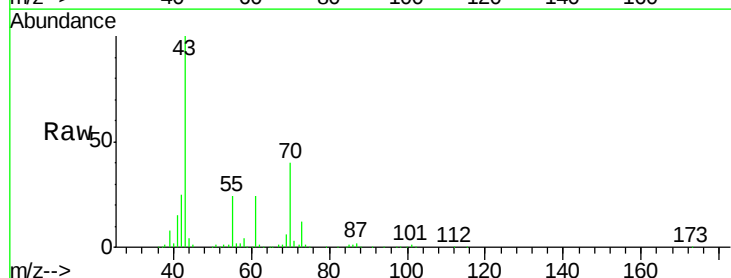
50000

0

10.89

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.555 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012609.D

Acq: 23 Sep 2019 17:07

Instrument :

MSVOA_X

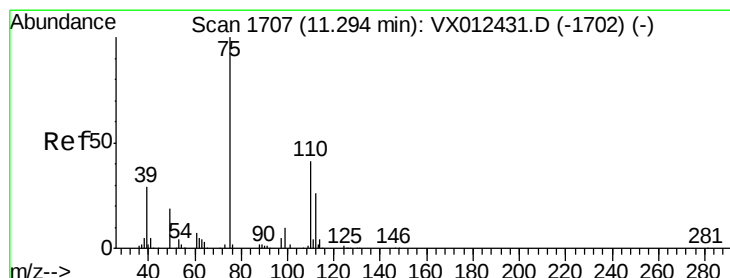
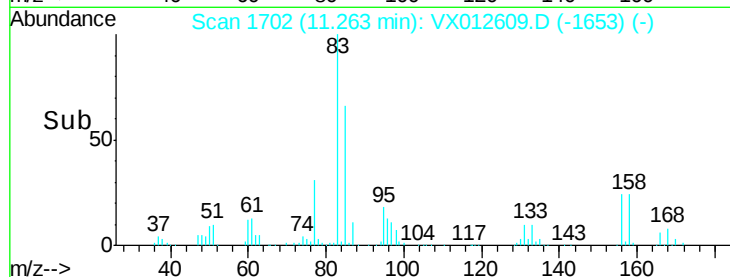
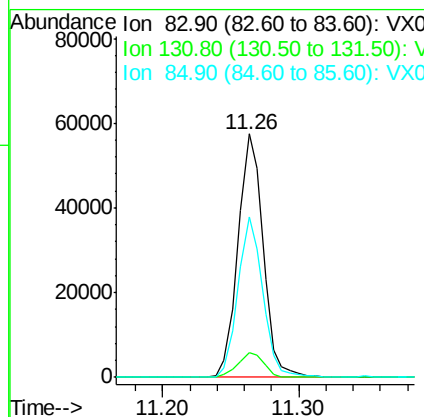
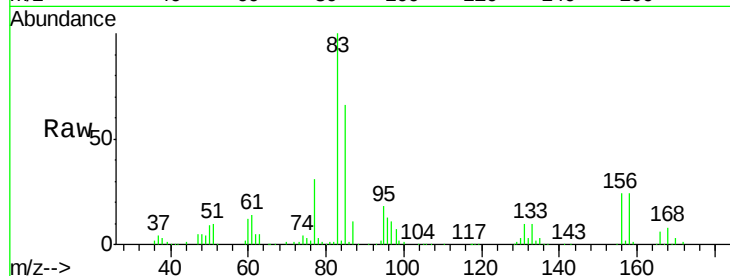
ClientSampleId :

VX0923WBSD02

Tot Ion:	83	Resp:	74029
Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.2	15.6
85	65.3	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 20.511 ug/l m

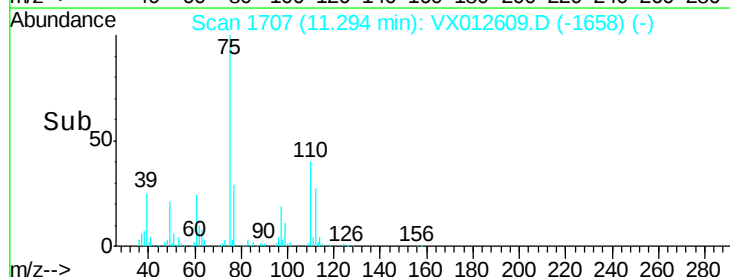
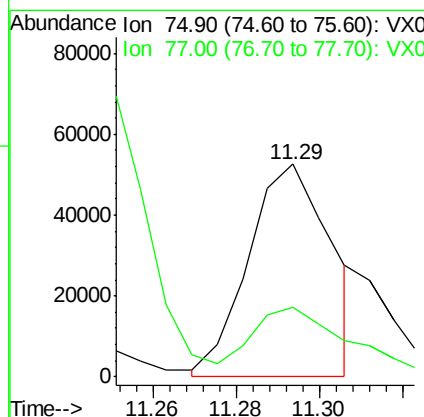
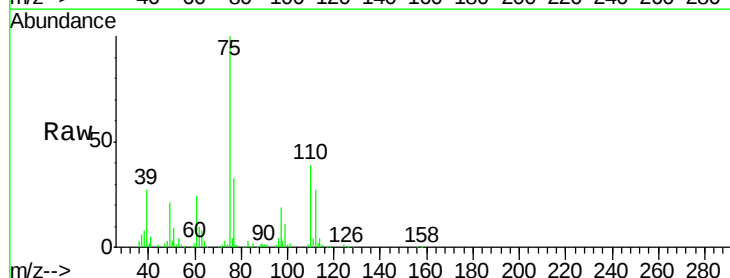
RT: 11.29 min Scan# 1707

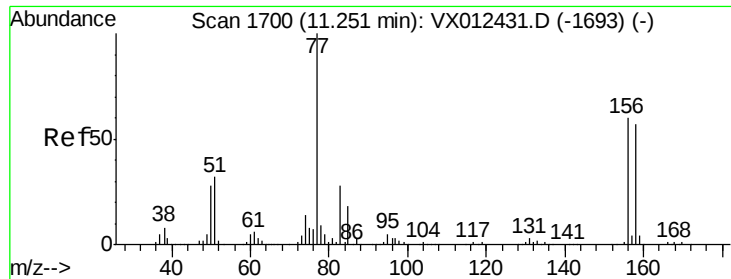
Delta R.T. 0.00 min

Lab File: VX012609.D

Acq: 23 Sep 2019 17:07

Tgt Ion:	75	Resp:	72442
Ion	Ratio	Lower	Upper
75	100		
77	38.3	19.7	59.0





#77

Bromobenzene

Concen: 20.016 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012609.D

Acq: 23 Sep 2019 17:07

Instrument :

MSVOA_X

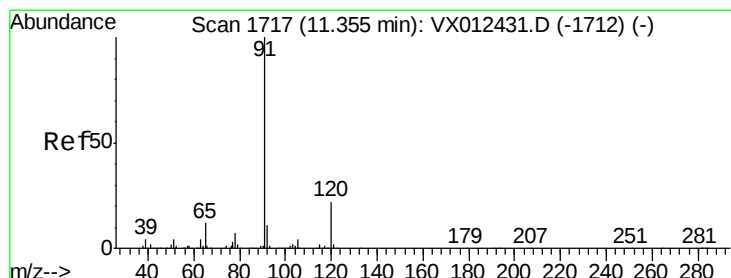
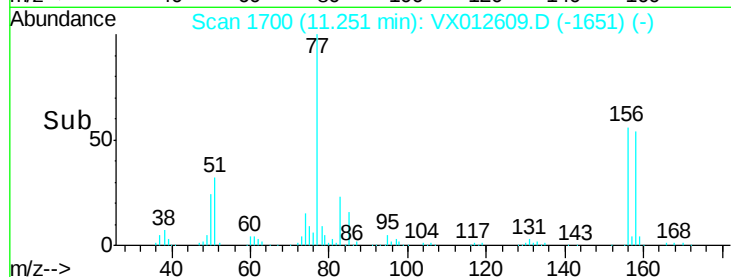
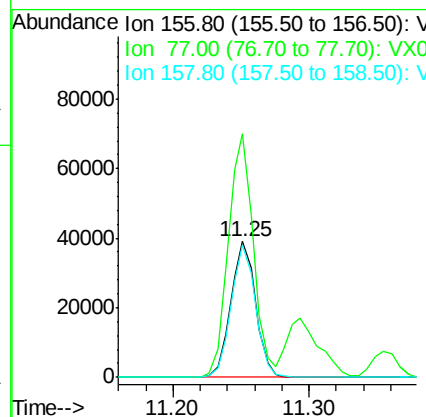
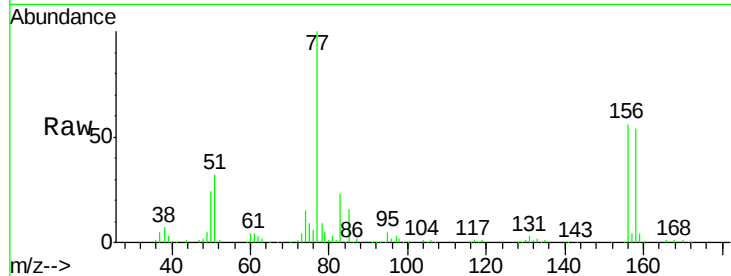
ClientSampleId :

VX0923WBSD02

Tot Ion	Ratio	Lower	Upper
156	100		
77	180.5	87.3	261.8
158	95.6	48.5	145.6

Manual Integrations
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#78

n-propylbenzene

Concen: 19.853 ug/l

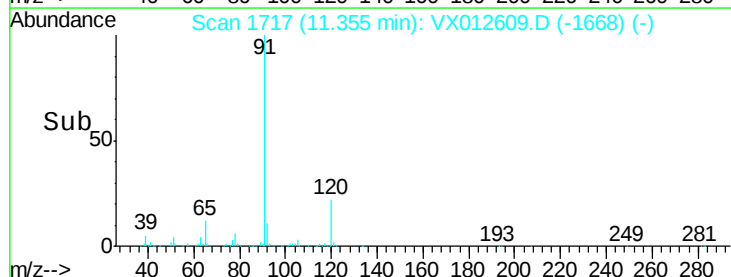
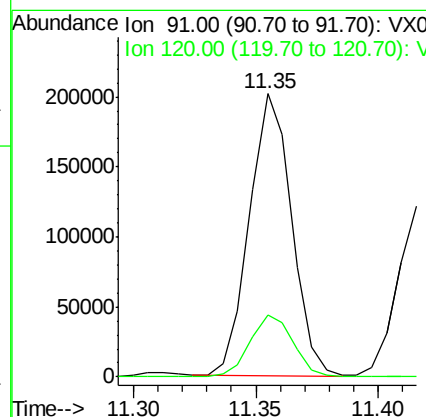
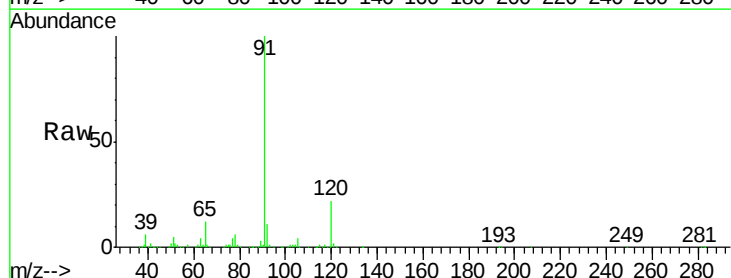
RT: 11.35 min Scan# 1717

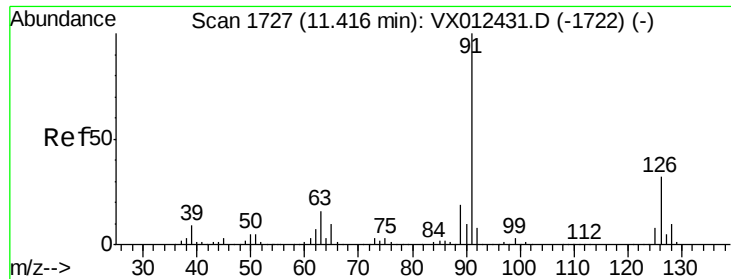
Delta R.T. 0.00 min

Lab File: VX012609.D

Acq: 23 Sep 2019 17:07

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.3	33.8





#79

2-Chlorotoluene

Concen: 19.654 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX012609.D

Acq: 23 Sep 2019 17:07

Instrument :

MSVOA_X

ClientSampleId :

VX0923WBSD02

Tot Ion: 91 Resp: 150110

Ion Ratio Lower Upper

91 100

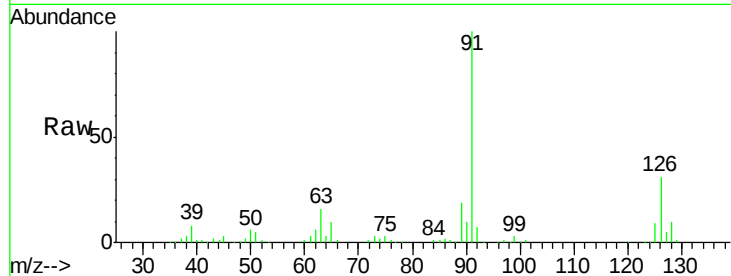
126 31.9 16.4 49.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

200000

150000

100000

50000

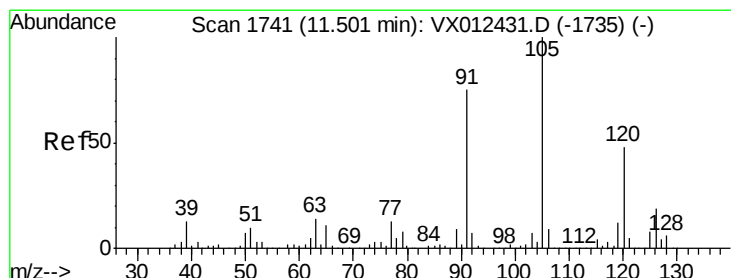
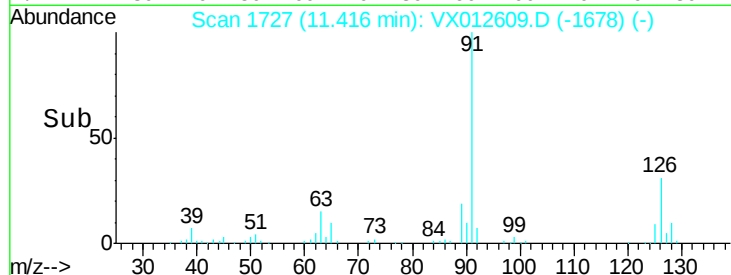
0

11.35

11.40

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.183 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX012609.D

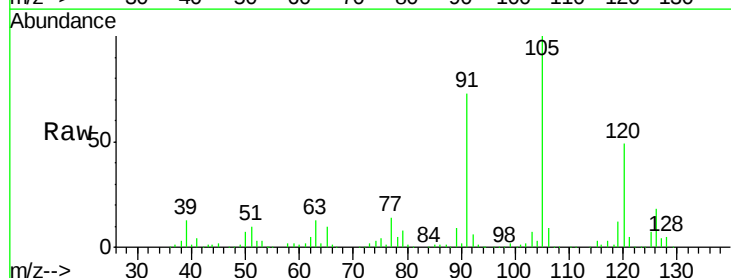
Acq: 23 Sep 2019 17:07

Tgt Ion:105 Resp: 184059

Ion Ratio Lower Upper

105 100

120 48.6 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

100000

50000

0

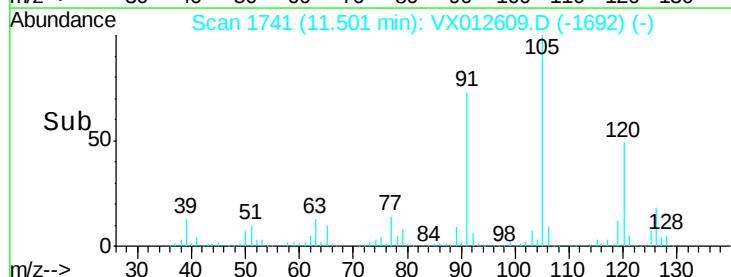
11.45

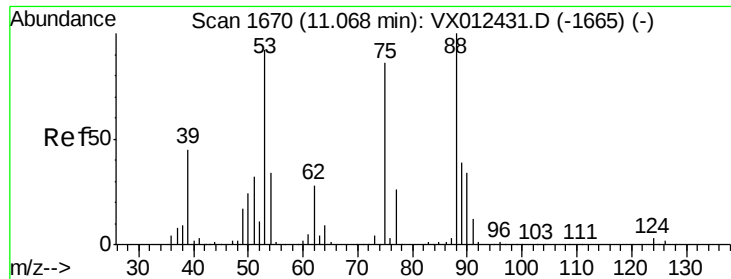
11.50

11.55

11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.431 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX012609.D

Acq: 23 Sep 2019 17:07

Instrument :

MSVOA_X

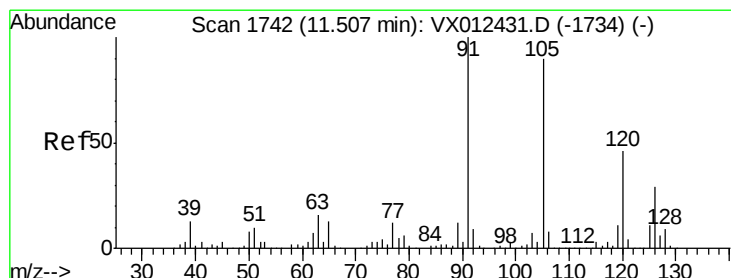
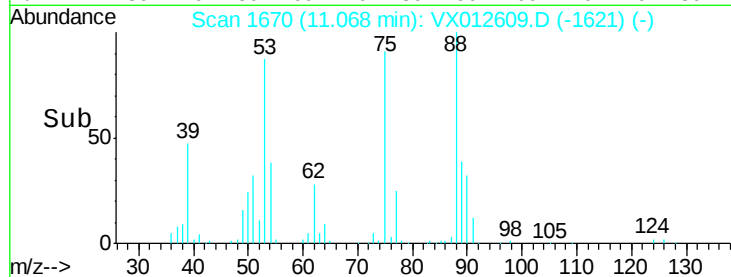
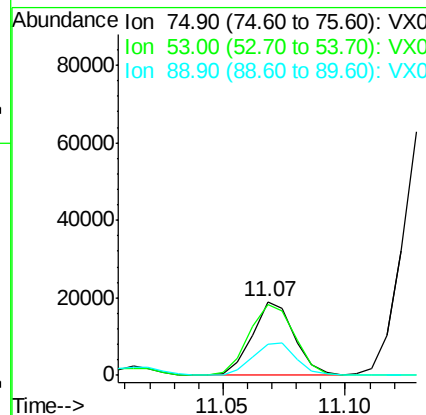
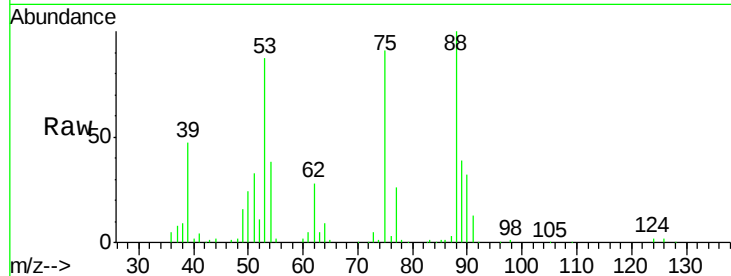
ClientSampleId :

VX0923WBSD02

Tot Ion:	75	Resp:	22715
Ion Ratio	Lower	Upper	
75	100		
53	105.6	83.6	125.4
89	45.9	36.3	54.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.065 ug/l

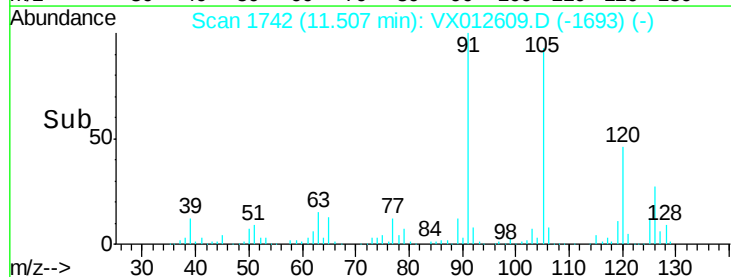
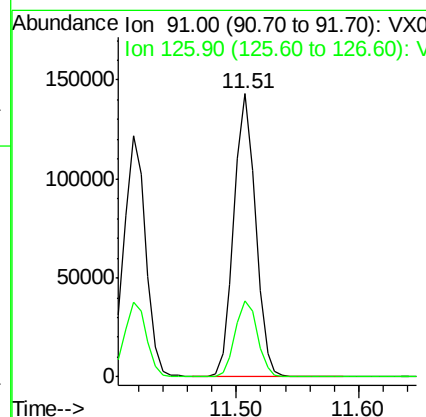
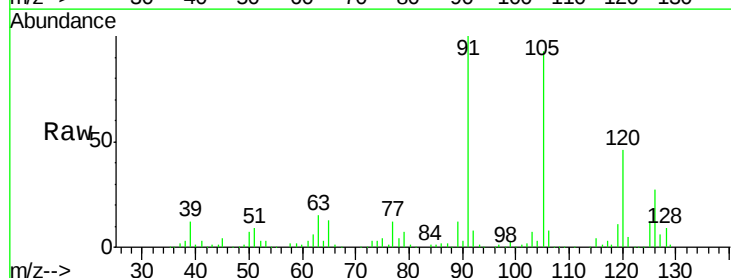
RT: 11.51 min Scan# 1742

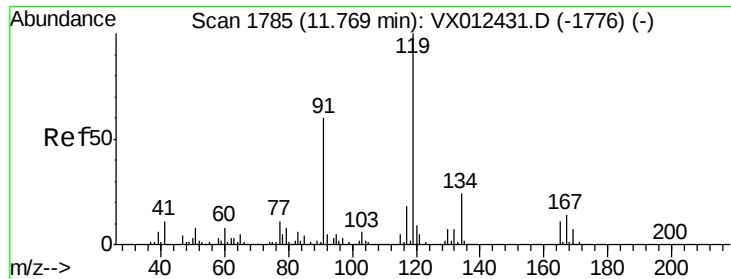
Delta R.T. 0.00 min

Lab File: VX012609.D

Acq: 23 Sep 2019 17:07

Tgt Ion:	91	Resp:	174696
Ion Ratio	Lower	Upper	
91	100		
126	27.7	14.4	43.0





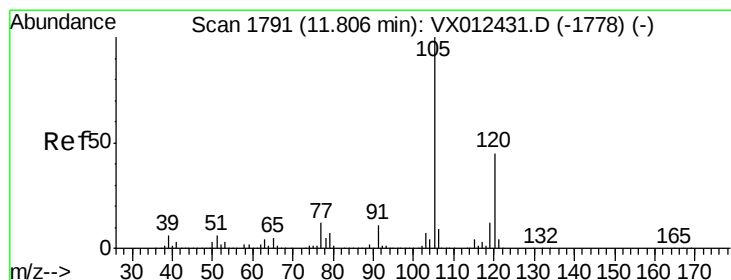
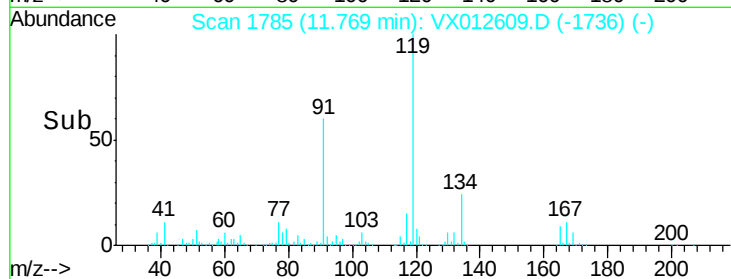
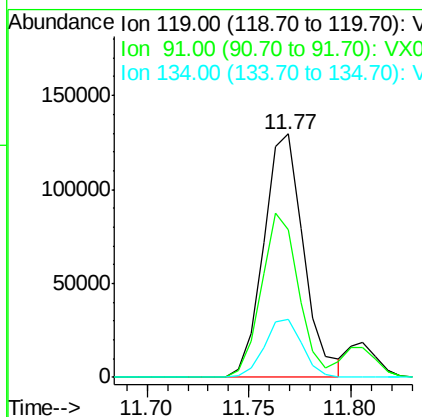
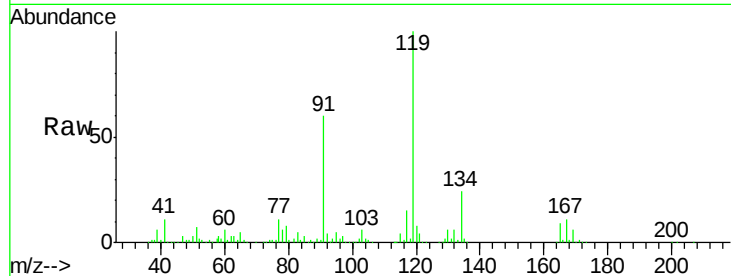
#83
 tert-Butylbenzene
 Concen: 20.105 ug/l
 RT: 11.77 min Scan# 1785
 Delta R.T. 0.00 min
 Lab File: VX012609.D
 Acq: 23 Sep 2019 17:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0923WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	176861		
91	62.7	30.0	90.0	
134	22.7	11.3	33.9	

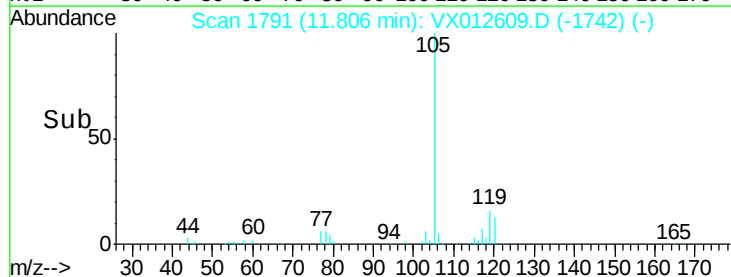
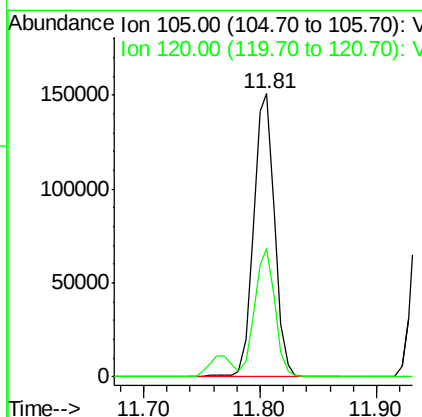
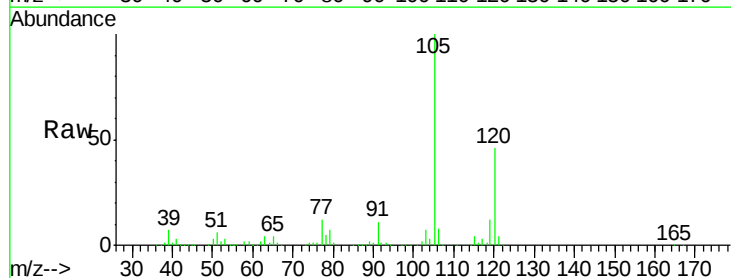
Manual Integrations
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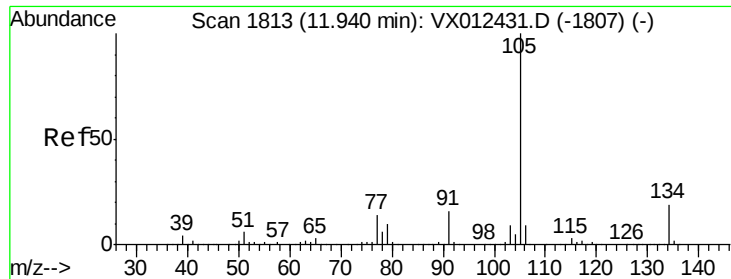
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.449 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX012609.D
 Acq: 23 Sep 2019 17:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	188117		
120	43.9	22.2	66.6	





#85

sec-Butylbenzene

Concen: 19.918 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012609.D

Acq: 23 Sep 2019 17:07

Instrument :

MSVOA_X

ClientSampleId :

VX0923WBSD02

Tot Ion:105 Resp: 203793

Ion Ratio Lower Upper

105 100

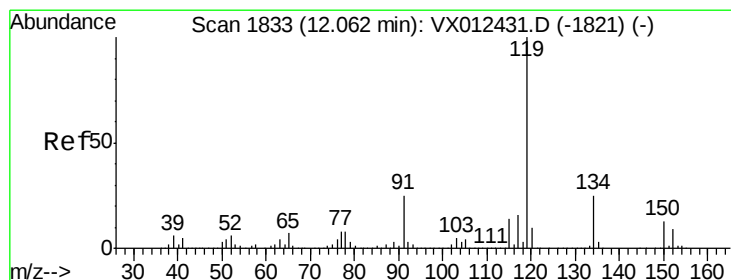
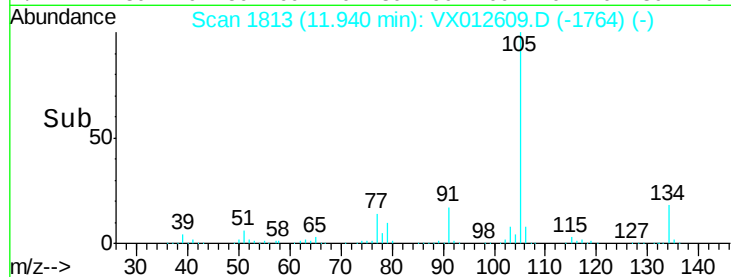
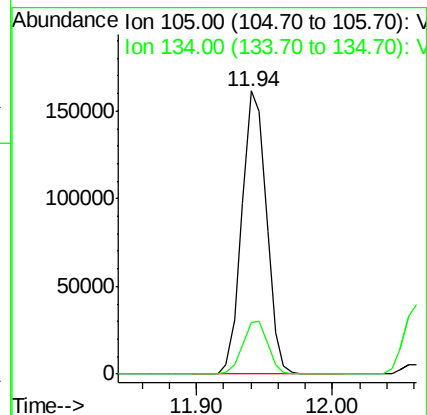
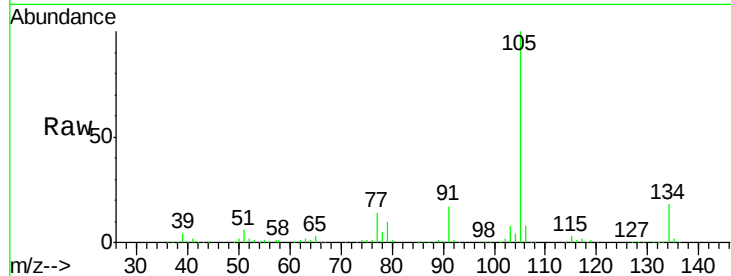
134 19.1 9.8 29.4

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#86

p-Isopropyltoluene

Concen: 19.831 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012609.D

Acq: 23 Sep 2019 17:07

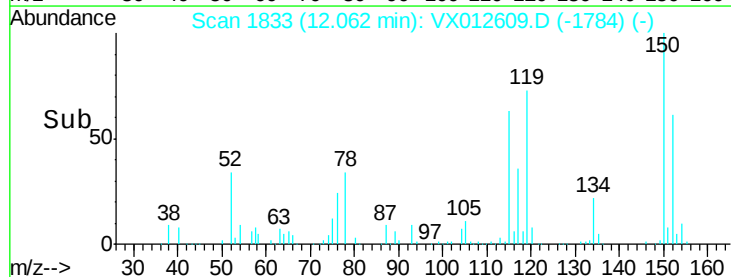
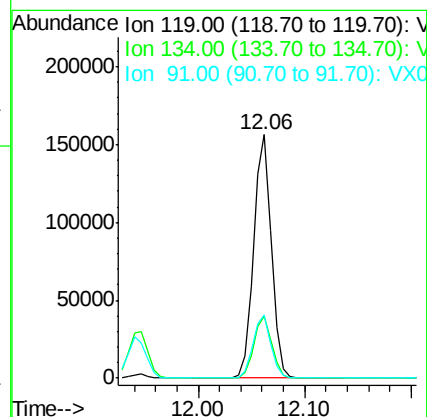
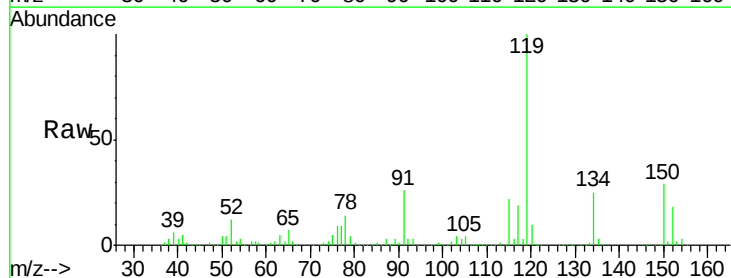
Tgt Ion:119 Resp: 183089

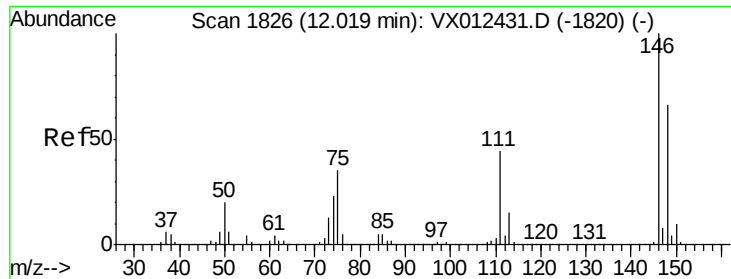
Ion Ratio Lower Upper

119 100

134 25.5 12.7 38.1

91 26.1 12.8 38.4





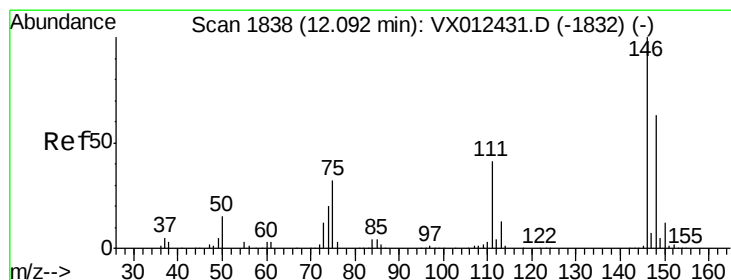
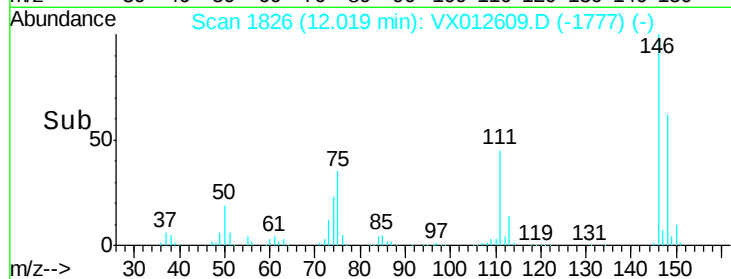
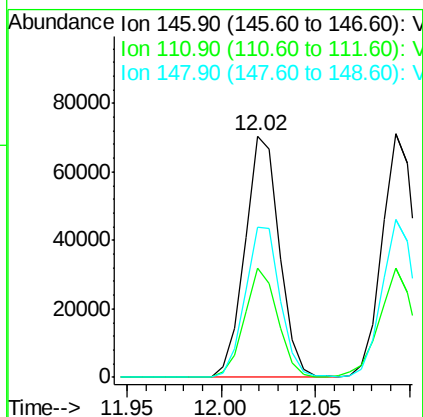
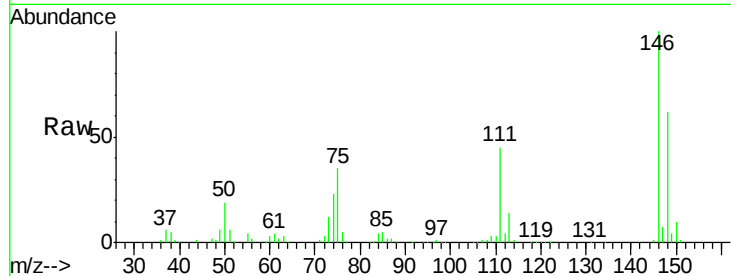
#87
 1,3-Dichlorobenzene
 Concen: 20.214 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012609.D
 Acq: 23 Sep 2019 17:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0923WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.3	64.0
148	63.1	32.4	97.2

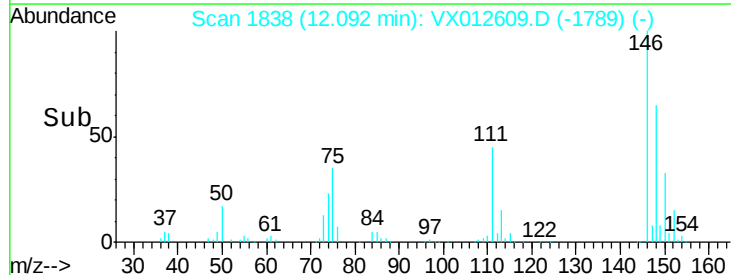
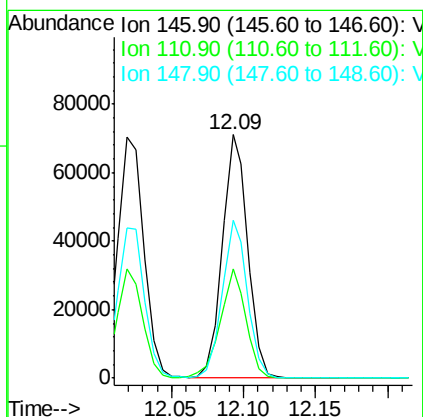
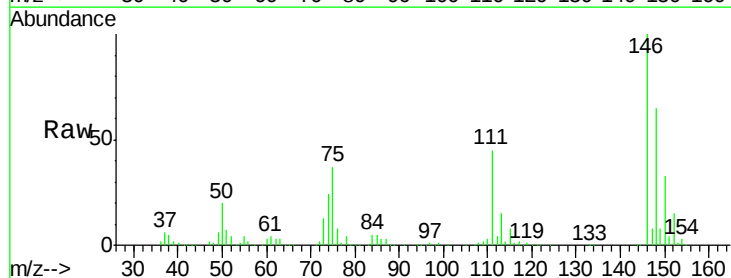
Manual Integrations
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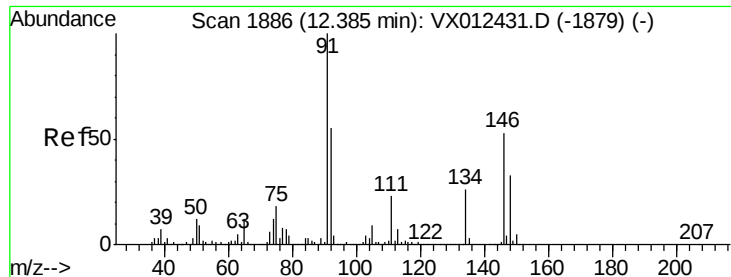
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#88
 1,4-Dichlorobenzene
 Concen: 19.701 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012609.D
 Acq: 23 Sep 2019 17:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.5	21.1	63.3
148	64.4	32.1	96.5





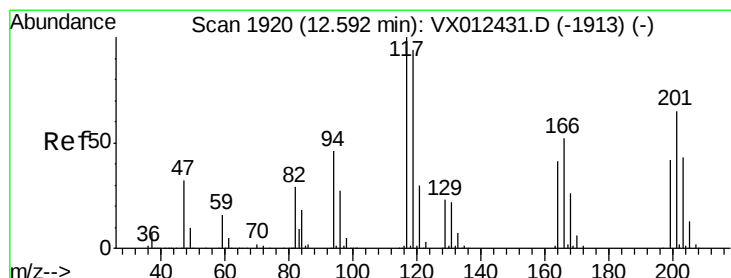
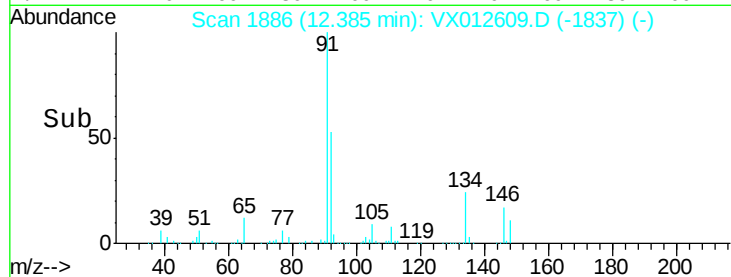
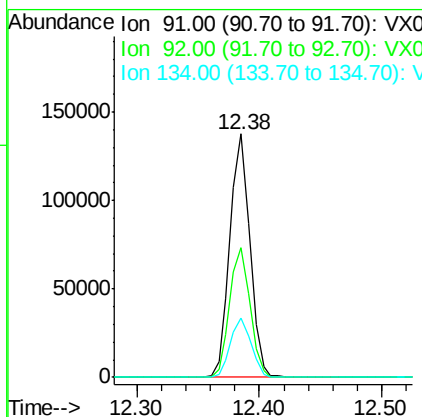
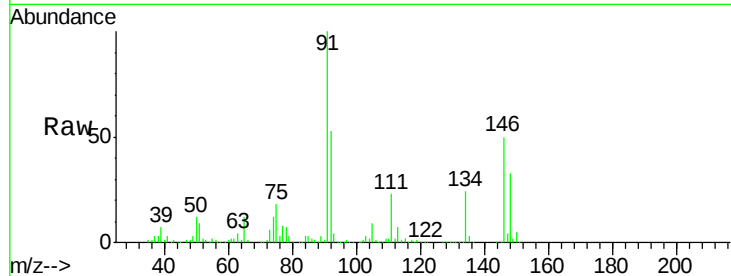
#89
n-Butylbenzene
Concen: 19.172 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012609.D
Acq: 23 Sep 2019 17:07

Instrument :
MSVOA_X
ClientSampleId :
VX0923WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.2	27.7	83.0	
134	25.2	12.9	38.6	

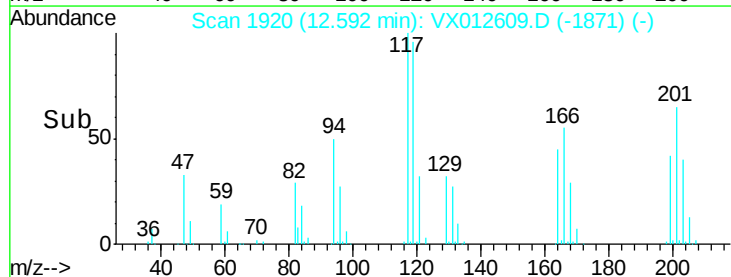
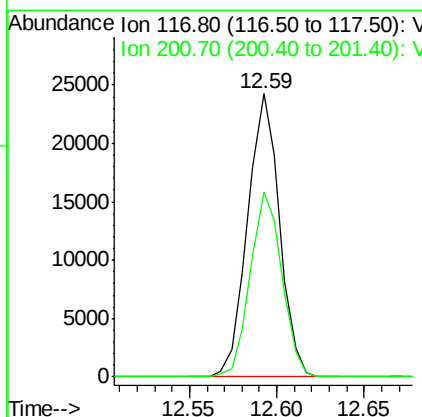
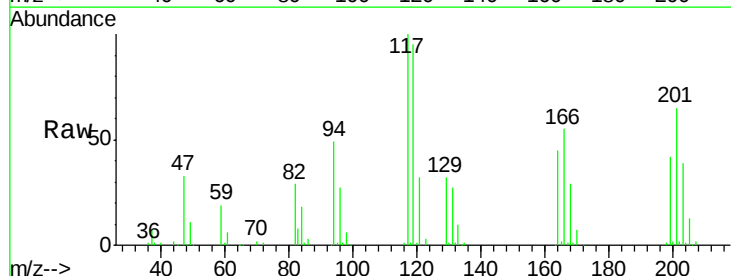
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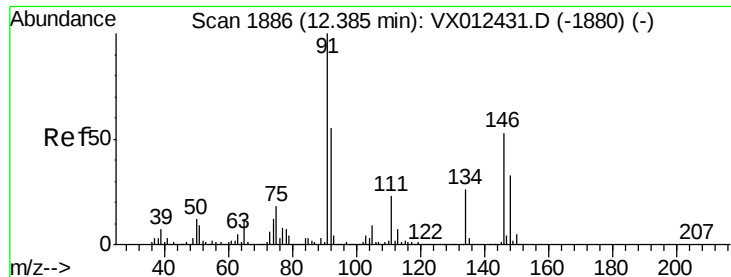
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#90
Hexachloroethane
Concen: 18.664 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012609.D
Acq: 23 Sep 2019 17:07

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	64.7	33.3	99.8	





#91

1,2-Dichlorobenzene

Concen: 20.083 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012609.D

Acq: 23 Sep 2019 17:07

Instrument :

MSVOA_X

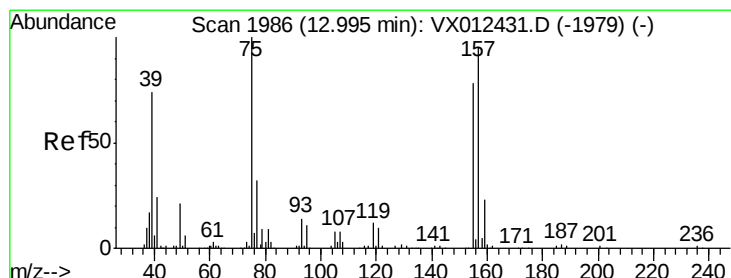
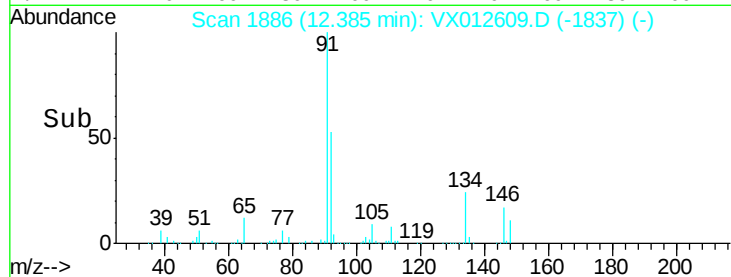
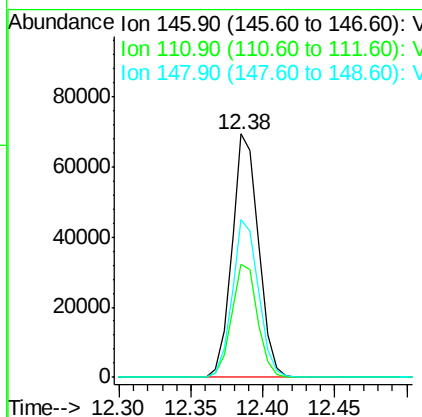
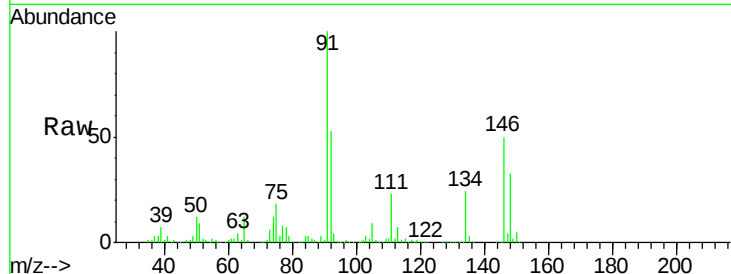
ClientSampleId :

VX0923WBSD02

Tot Ion:	146	Resp:	89054
Ion	Ratio	Lower	Upper
146	100		
111	46.1	22.1	66.1
148	64.3	31.3	93.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.956 ug/l

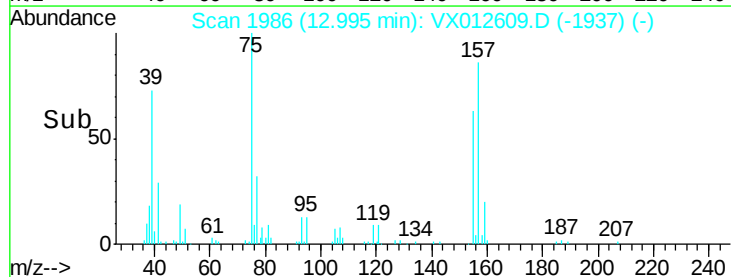
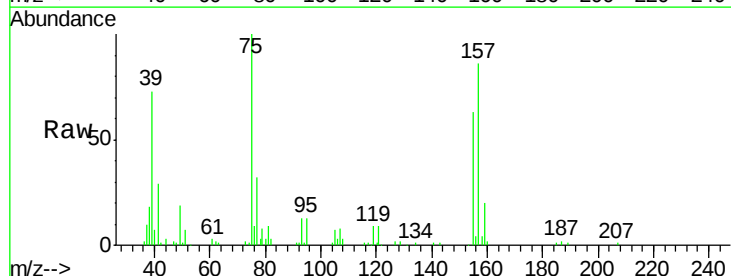
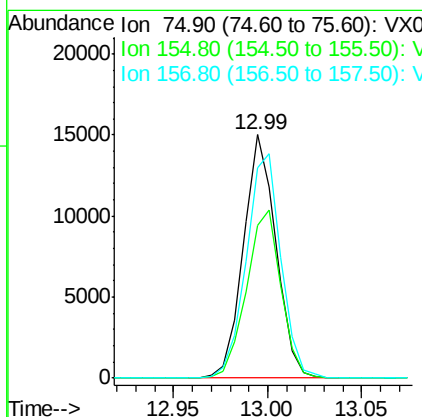
RT: 12.99 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VX012609.D

Acq: 23 Sep 2019 17:07

Tgt Ion:	75	Resp:	17979
Ion	Ratio	Lower	Upper
75	100		
155	73.0	38.6	115.8
157	97.9	50.6	151.9





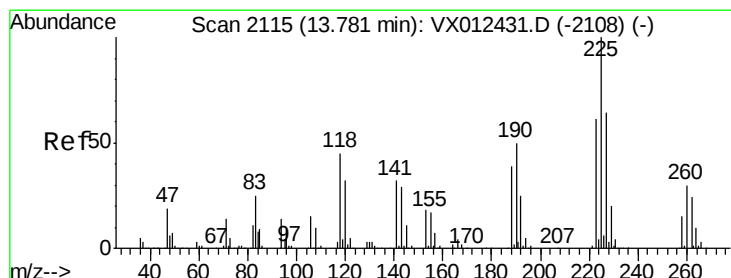
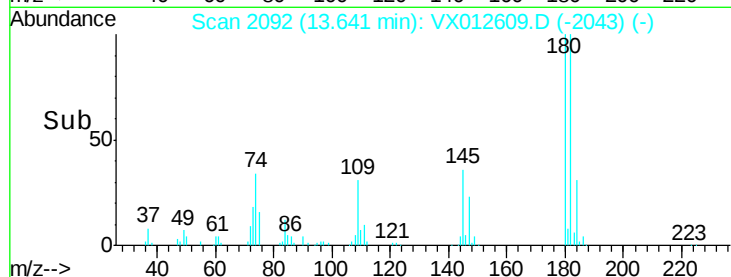
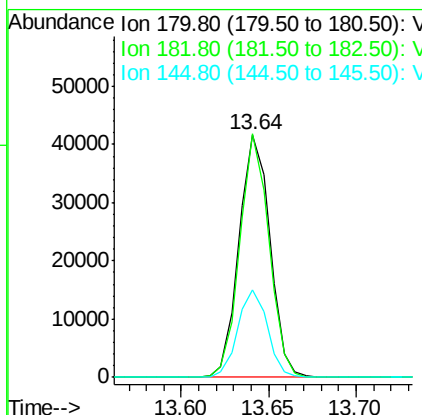
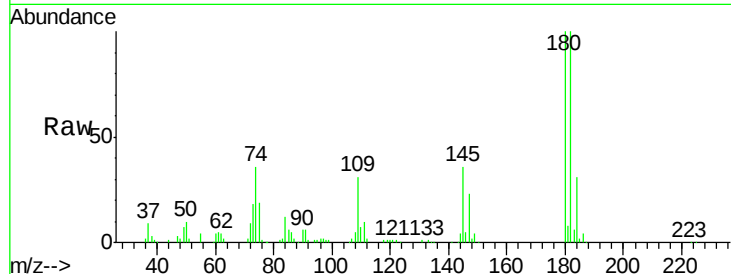
#93
 1,2,4-Trichlorobenzene
 Concen: 19.049 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012609.D
 Acq: 23 Sep 2019 17:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0923WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	51515		
182	94.4	47.0	141.0	
145	34.8	16.8	50.4	

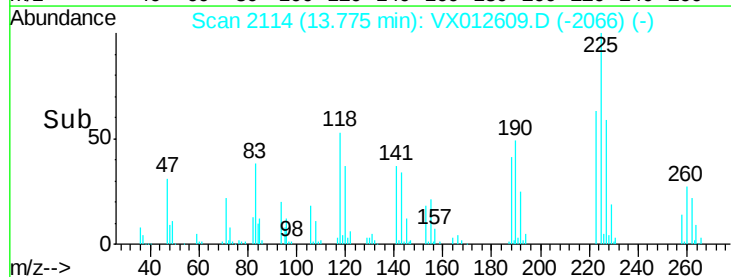
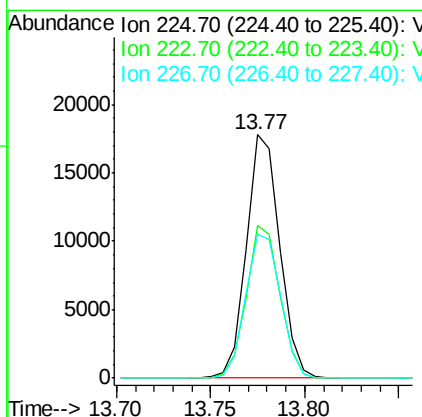
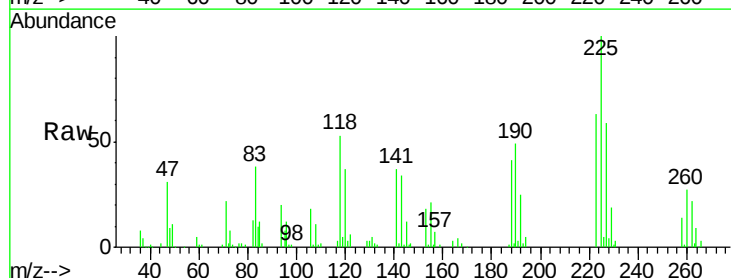
Manual Integrations
 APPROVED

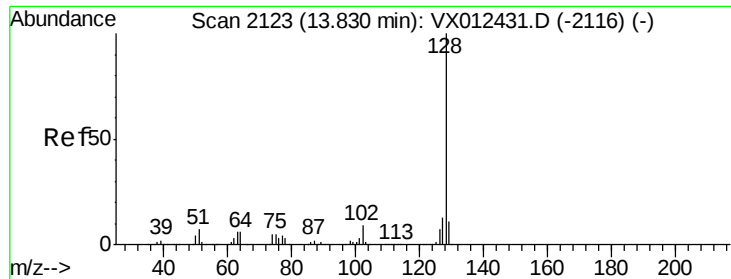
MMDadoda
 9/24/2019 10:05:46 AM



#94
 Hexachlorobutadiene
 Concen: 18.754 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012609.D
 Acq: 23 Sep 2019 17:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	21819		
223	63.3	32.0	96.2	
227	61.8	31.9	95.5	





#95

Naphthalene

Concen: 20.413 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX012609.D

Acq: 23 Sep 2019 17:07

Instrument :

MSVOA_X

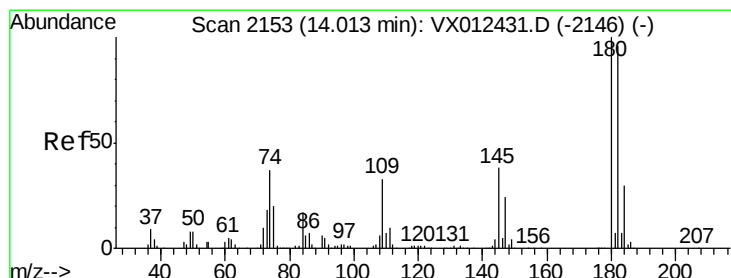
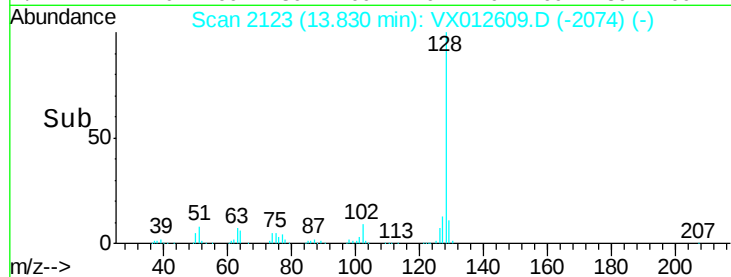
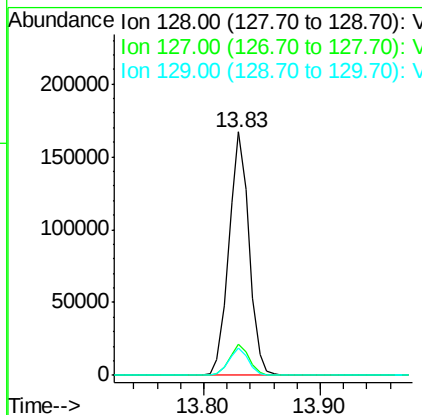
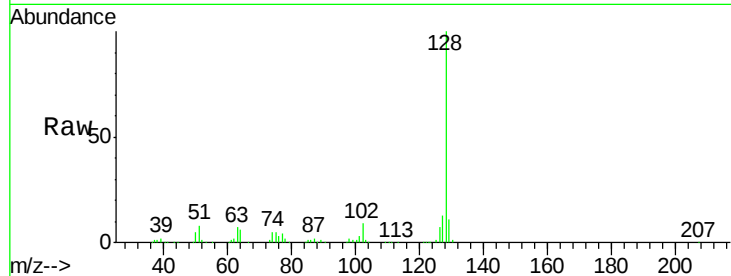
ClientSampleId :

VX0923WBSD02

Tot Ion:	128	Resp:	199732
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.4
129	11.1	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/24/2019 10:05:46 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.282 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX012609.D

Acq: 23 Sep 2019 17:07

Tgt Ion:	180	Resp:	54945
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.1	141.3
145	36.1	18.0	54.0

