

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO090319\
 Data File : VX012021.D
 Acq On : 03 Sep 2019 14:07
 Operator : SY/SP
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

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 9/4/2019 4:45:47 PM

Quant Time: Sep 03 14:36:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 12:11:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	148196	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	272705	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	245721	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	118096	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	100490	76.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	153.46%	
35) Dibromofluoromethane	5.48	113	82589	46.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.38%	
50) Toluene-d8	8.71	98	311352	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
62) 4-Bromofluorobenzene	11.14	95	135631	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	62859	70.273	ug/l	97
3) Chloromethane	1.31	50	65942	74.174	ug/l	99
4) Vinyl Chloride	1.40	62	62651	69.377	ug/l	96
5) Bromomethane	1.62	94	30671	47.903	ug/l	96
6) Chloroethane	1.71	64	38539	67.473	ug/l	100
7) Trichlorofluoromethane	1.92	101	97277	59.341	ug/l	100
8) Diethyl Ether	2.17	74	34194	68.599	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.37	101	72151	69.113	ug/l #	82
10) Methyl Iodide	2.50	142	66573	63.832	ug/l	96
11) Tert butyl alcohol	3.03	59	43757	404.454	ug/l	96
12) 1,1-Dichloroethene	2.36	96	70008	73.497	ug/l	95
13) Acrolein	2.28	56	11813	298.245	ug/l	98
14) Allyl chloride	2.72	41	127909	78.353	ug/l	98
15) Acrylonitrile	3.13	53	104242	408.757	ug/l	99
16) Acetone	2.43	43	115384	448.927	ug/l	99
17) Carbon Disulfide	2.56	76	221025	82.248	ug/l	100
18) Methyl Acetate	2.76	43	51449	77.247	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	224805	79.168	ug/l	99
20) Methylene Chloride	2.84	84	87106	75.032	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	83673	73.898	ug/l	98
22) Diisopropyl ether	3.84	45	252033	76.769	ug/l	96
23) Vinyl Acetate	3.80	43	857831	415.567	ug/l	99
24) 1,1-Dichloroethane	3.68	63	147037	76.798	ug/l	99
25) 2-Butanone	4.65	43	149910	428.135	ug/l	99
26) 2,2-Dichloropropane	4.56	77	134714	75.855	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	95216	73.193	ug/l	93
28) Bromochloromethane	5.00	49	61511	78.172	ug/l	82
29) Tetrahydrofuran	5.11	42	88270	409.906	ug/l	98
30) Chloroform	5.20	83	156516	74.478	ug/l	95
31) Cyclohexane	5.56	56	118620	74.368	ug/l	100
32) 1,1,1-Trichloroethane	5.48	97	139324	71.260	ug/l	97
36) 1,1-Dichloropropene	5.79	75	115539	55.369	ug/l	96
37) Ethyl Acetate	4.82	43	63495	60.785	ug/l	99
38) Carbon Tetrachloride	5.77	117	118612	46.744	ug/l	99

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 12:11:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	130615	51.550	ug/l	97
40) Benzene	6.13	78	330494	54.838	ug/l	100
41) Methacrylonitrile	5.03	41	37051	58.854	ug/l	99
42) 1,2-Dichloroethane	6.18	62	118395	57.990	ug/l	98
43) Isopropyl Acetate	6.43	43	126144	58.422	ug/l	99
44) Trichloroethene	7.21	130	88271	44.099	ug/l	89
45) 1,2-Dichloropropane	7.51	63	83956	55.360	ug/l	99
46) Dibromomethane	7.65	93	49142	54.059	ug/l #	74
47) Bromodichloromethane	7.89	83	126119	54.959	ug/l #	99
48) Methyl methacrylate	7.76	41	63917	60.032	ug/l	98
49) 1,4-Dioxane	7.73	88	16639	1113.939	ug/l	95
51) 4-Methyl-2-Pentanone	8.64	43	319998	294.886	ug/l	99
52) Toluene	8.78	92	213936	52.391	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	129805	55.880	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	144189	55.146	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	70313	52.984	ug/l	98
56) Ethyl methacrylate	9.17	69	101088	57.360	ug/l	97
57) 1,3-Dichloropropane	9.37	76	120979	55.509	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	237865	297.010	ug/l	93
59) 2-Hexanone	9.48	43	231391	299.533	ug/l	100
60) Dibromochloromethane	9.57	129	83467	45.245	ug/l	99
61) 1,2-Dibromoethane	9.67	107	68267	51.647	ug/l	98
64) Tetrachloroethene	9.33	164	72704	35.951	ug/l #	86
65) Chlorobenzene	10.14	112	230146	49.616	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	83079	44.632	ug/l	98
67) Ethyl Benzene	10.25	91	422689	53.939	ug/l	96
68) m/p-Xylenes	10.35	106	313631	101.922	ug/l	92
69) o-Xylene	10.70	106	150519	50.425	ug/l	91
70) Styrene	10.71	104	267049	52.143	ug/l	96
71) Bromoform	10.85	173	46776	36.217	ug/l #	98
73) Isopropylbenzene	11.01	105	411088	62.378	ug/l	96
74) N-amyl acetate	10.89	43	121228	73.771	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	84227	69.811	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	66351m	70.977	ug/l	
77) Bromobenzene	11.25	156	92571	48.042	ug/l	69
78) n-propylbenzene	11.35	91	492567	66.419	ug/l	94
79) 2-Chlorotoluene	11.42	91	293482	66.845	ug/l	91
80) 1,3,5-Trimethylbenzene	11.50	105	356553	62.719	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.07	75	28235	71.251	ug/l	98
82) 4-Chlorotoluene	11.51	91	360467	68.423	ug/l	90
83) tert-Butylbenzene	11.77	119	337236	57.390	ug/l	90
84) 1,2,4-Trimethylbenzene	11.81	105	368075	63.888	ug/l	94
85) sec-Butylbenzene	11.94	105	421754	62.485	ug/l	93
86) p-Isopropyltoluene	12.06	119	380153	57.525	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	178586	49.419	ug/l	93
88) 1,4-Dichlorobenzene	12.09	146	180278	50.211	ug/l	95
89) n-Butylbenzene	12.39	91	371273	64.871	ug/l	96
90) Hexachloroethane	12.59	117	74355	59.929	ug/l	58
91) 1,2-Dichlorobenzene	12.39	146	163930	50.248	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	12.99	75	18068	76.273	ug/l	65

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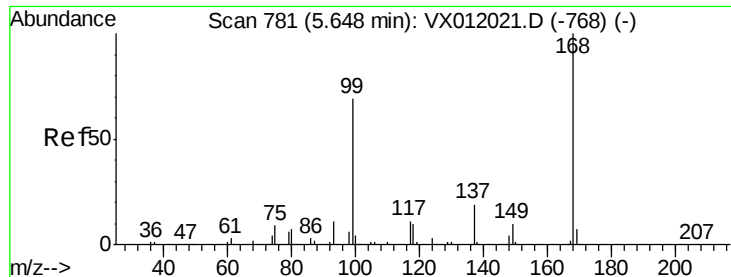
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Sep 03 12:11:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	114966	40.500	ug/l	96
94) Hexachlorobutadiene	13.78	225	57575	29.030	ug/l	96
95) Naphthalene	13.83	128	256821	58.840	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	102647	41.125	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012021.D

Acq: 03 Sep 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 148196

Ion Ratio Lower Upper

168 100

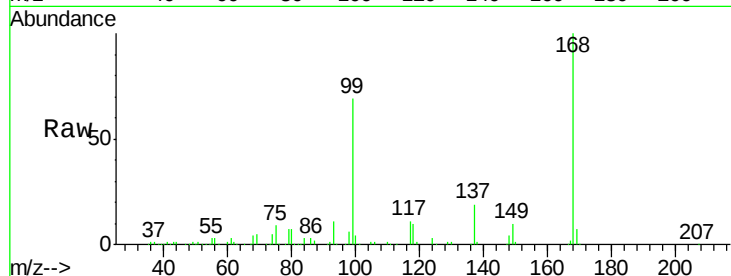
99 68.7 37.6 56.4#

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

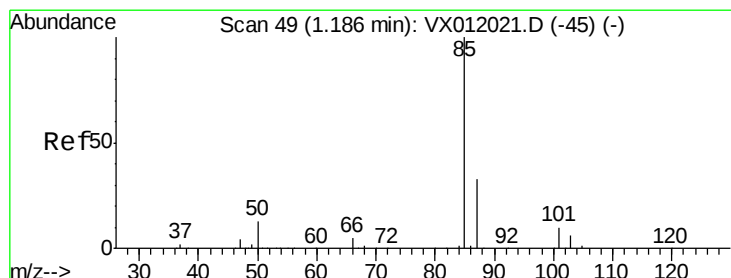
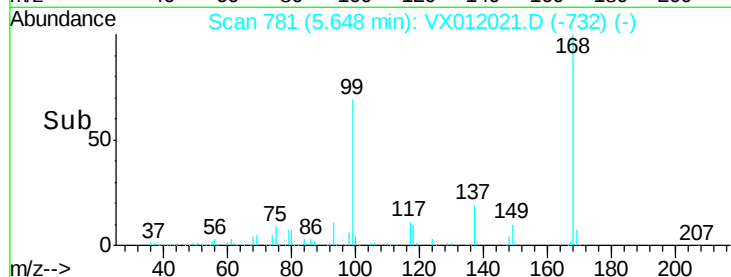
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 70.273 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012021.D

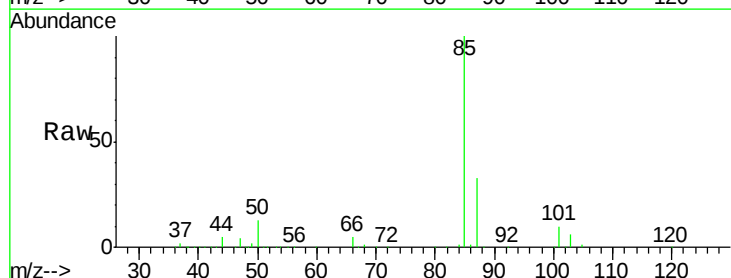
Acq: 03 Sep 2019 14:07

Tgt Ion: 85 Resp: 62859

Ion Ratio Lower Upper

85 100

87 32.9 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

60000

50000

40000

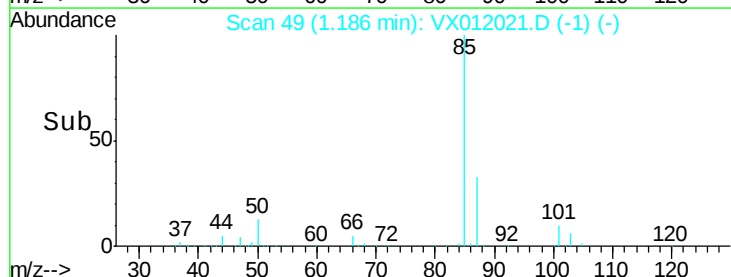
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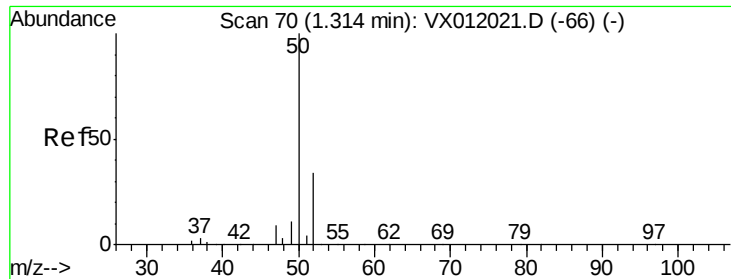
20000

10000

0

Time--> 1.10 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 74.174 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012021.D

Acq: 03 Sep 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 65942

Ion Ratio Lower Upper

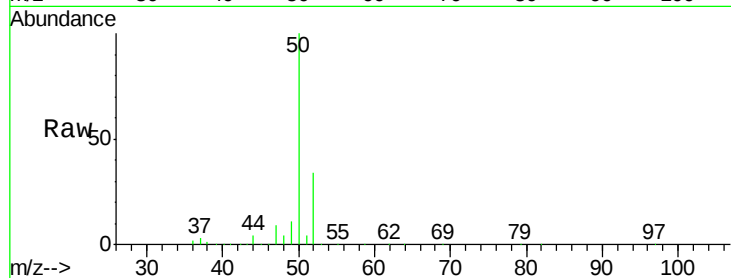
50 100

52 33.9 26.5 39.7

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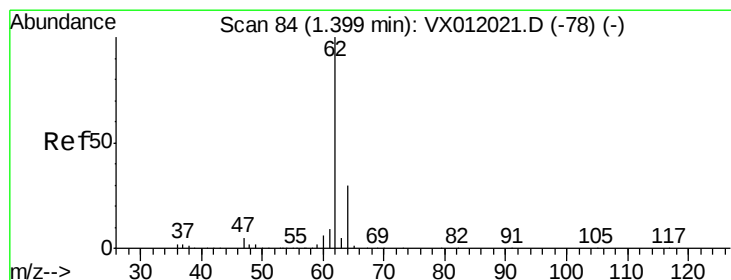
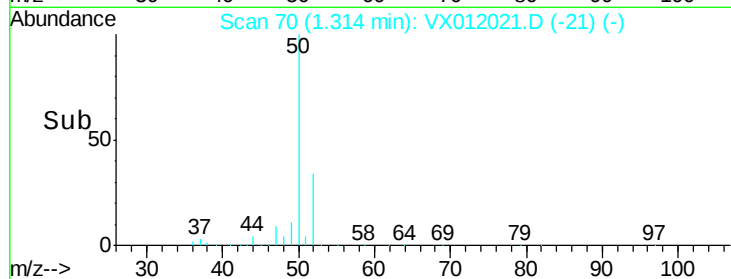
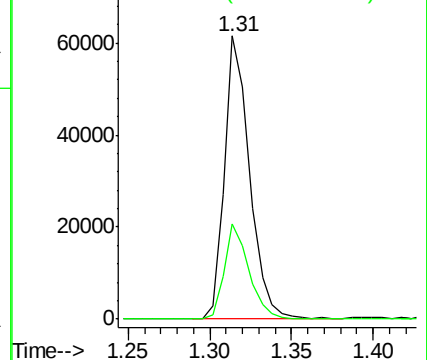
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 69.377 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.01 min

Lab File: VX012021.D

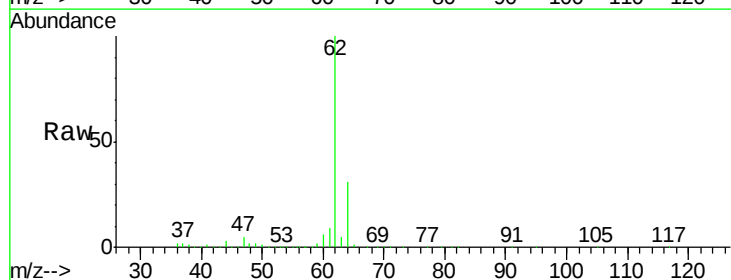
Acq: 03 Sep 2019 14:07

Tgt Ion: 62 Resp: 62651

Ion Ratio Lower Upper

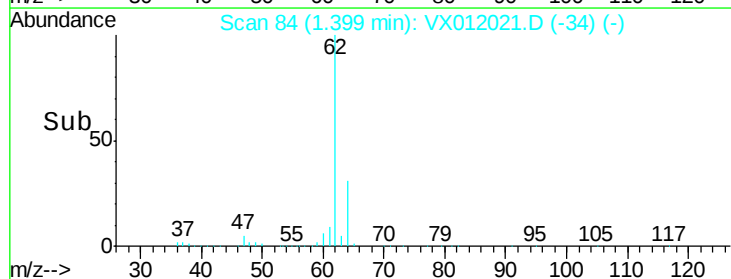
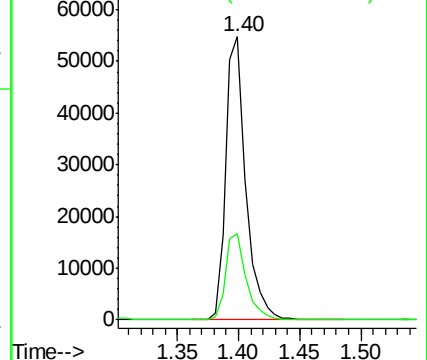
62 100

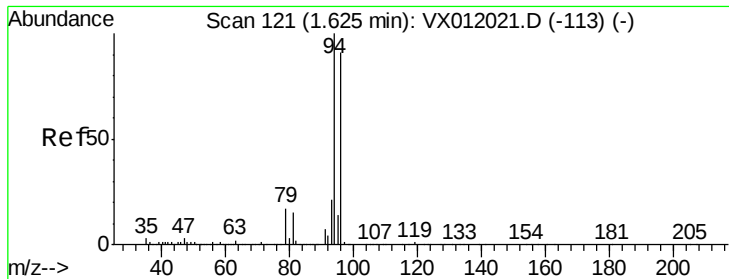
64 30.3 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 47.903 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX012021.D

Acq: 03 Sep 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 30671

Ion Ratio Lower Upper

94 100

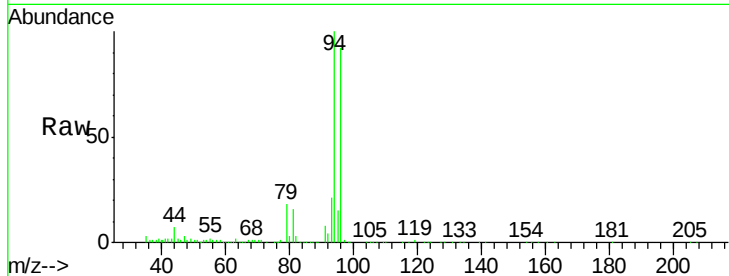
96 91.3 76.3 114.5

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

30000

25000

20000

15000

10000

5000

0

1.55

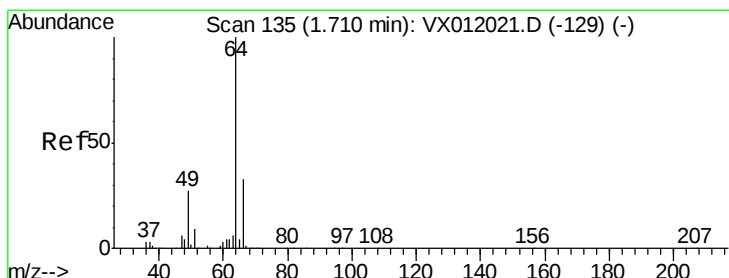
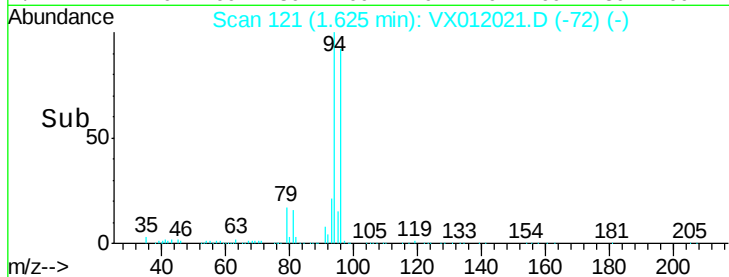
1.60

1.62

1.65

1.70

Time-->



#6

Chloroethane

Concen: 67.473 ug/l

RT: 1.71 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX012021.D

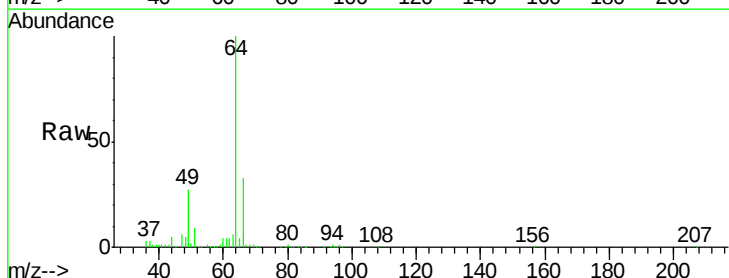
Acq: 03 Sep 2019 14:07

Tgt Ion: 64 Resp: 38539

Ion Ratio Lower Upper

64 100

66 33.0 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

30000

25000

20000

15000

10000

5000

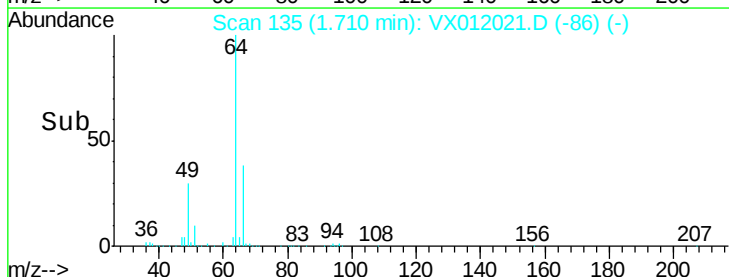
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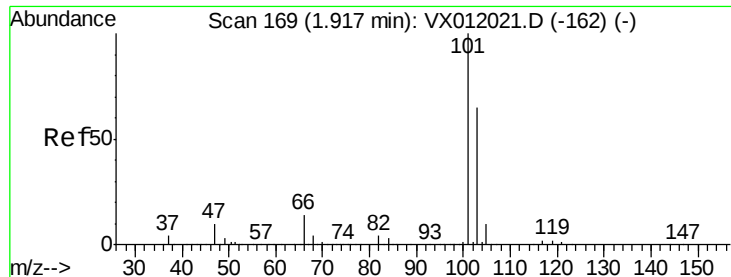
1.70

1.71

1.80

Time-->





#7

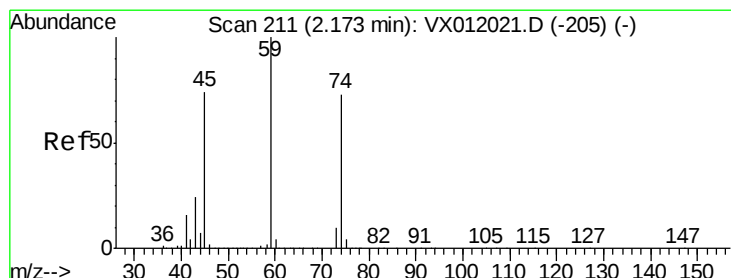
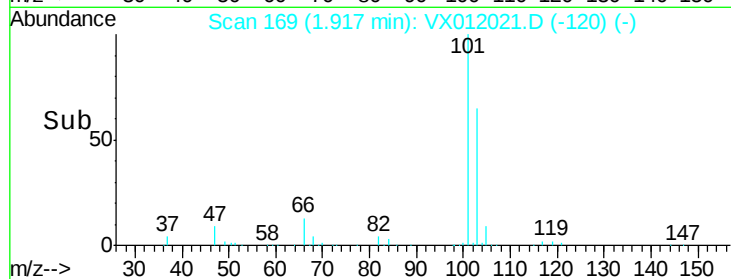
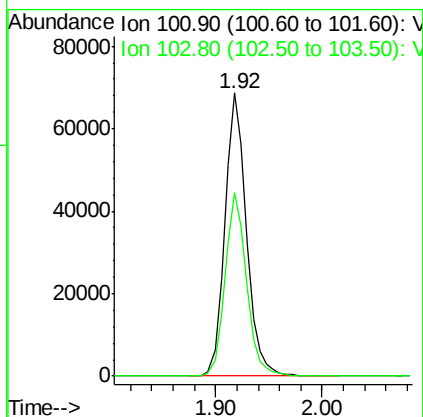
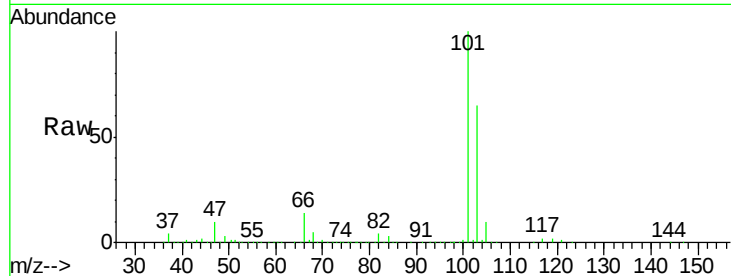
Trichlorofluoromethane
 Concen: 59.341 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. -0.00 min
 Lab File: VX012021.D
 Acq: 03 Sep 2019 14:07

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 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.6	77.4

Manual Integrations
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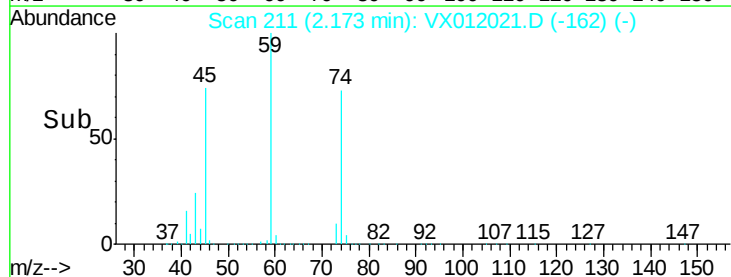
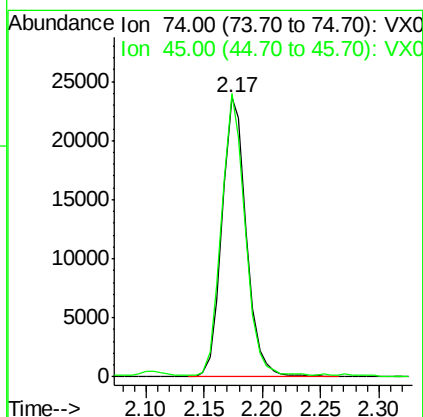
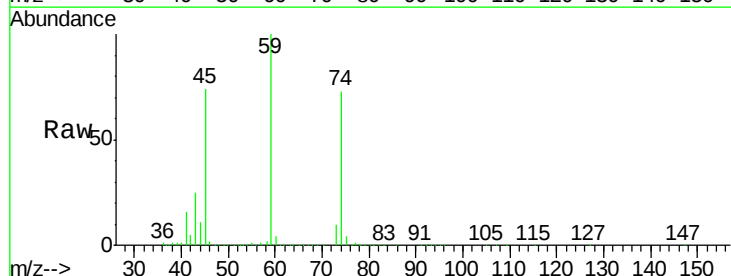
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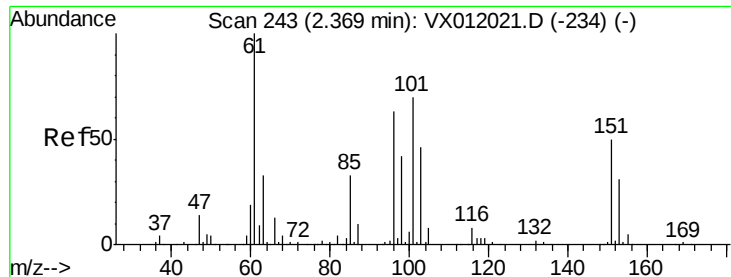


#8

Diethyl Ether
 Concen: 68.599 ug/l
 RT: 2.17 min Scan# 211
 Delta R.T. -0.00 min
 Lab File: VX012021.D
 Acq: 03 Sep 2019 14:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.7	45.9	137.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 69.113 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX012021.D

Acq: 03 Sep 2019 14:07

Instrument :

MSVOA_X

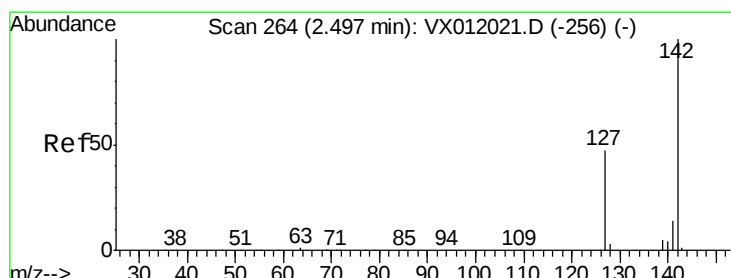
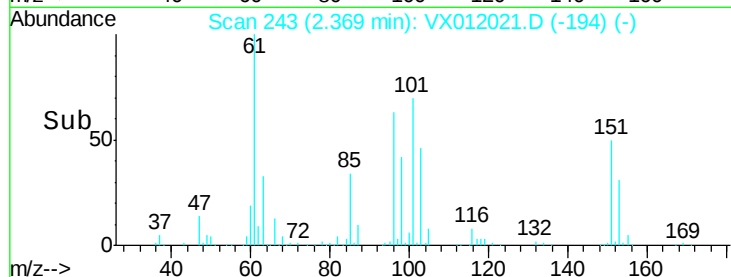
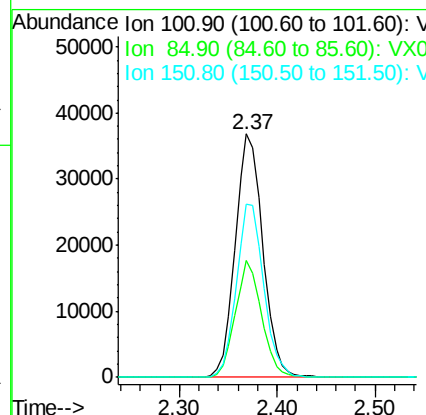
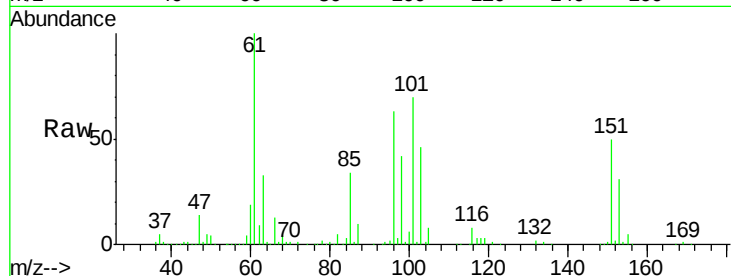
ClientSampled :

VSTDICCC050

Tot Ion:	101	Resp:	72151
Ion Ratio	Lower	Upper	
101	100		
85	45.8	34.5	51.7
151	70.6	75.0	112.4#

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sam
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#10

Methyl Iodide

Concen: 63.832 ug/l

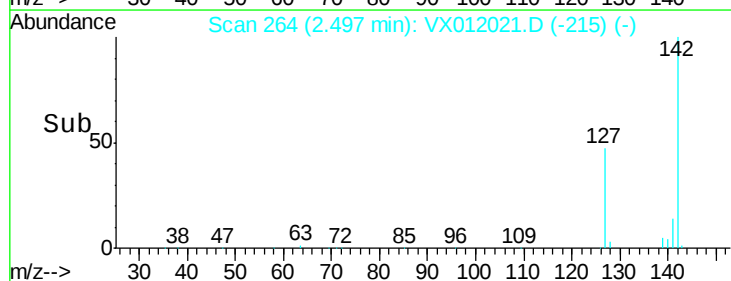
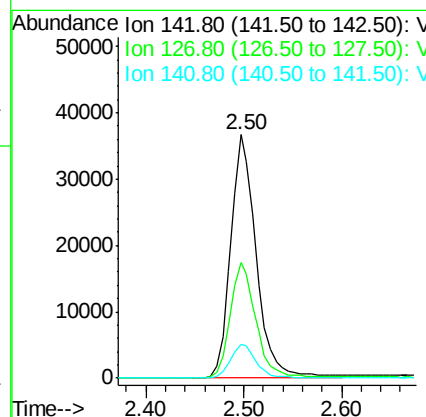
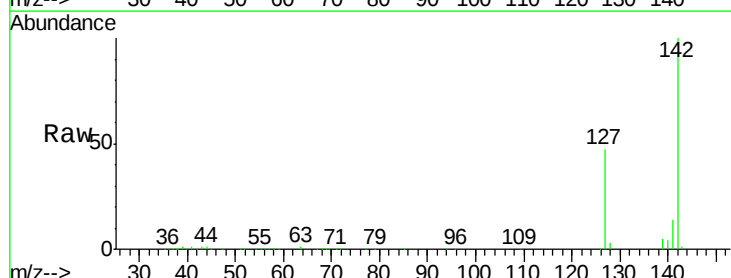
RT: 2.50 min Scan# 264

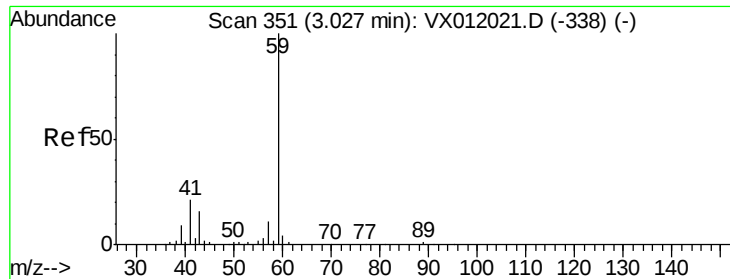
Delta R.T. 0.00 min

Lab File: VX012021.D

Acq: 03 Sep 2019 14:07

Tgt Ion:	142	Resp:	66573
Ion Ratio	Lower	Upper	
142	100		
127	47.7	35.4	53.2
141	14.0	11.4	17.2





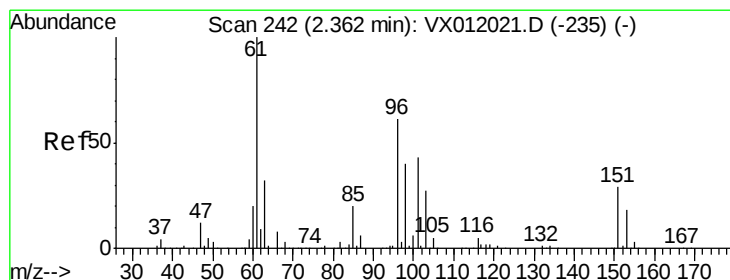
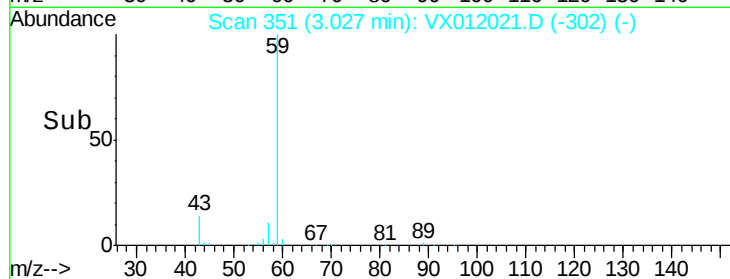
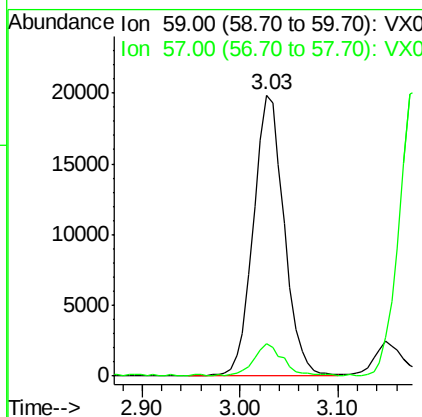
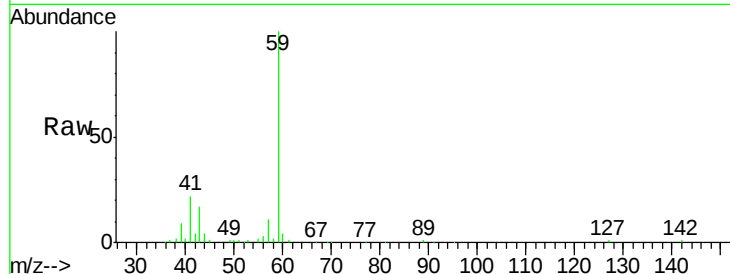
#11
Tert butyl alcohol
Concen: 404.454 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX012021.D
Acq: 03 Sep 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion: 59 Resp: 43757
Ion Ratio Lower Upper
59 100
57 11.3 7.9 11.9

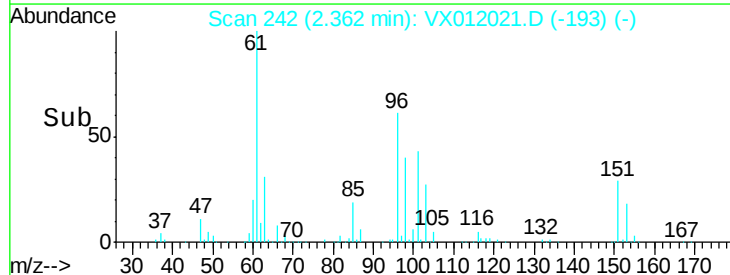
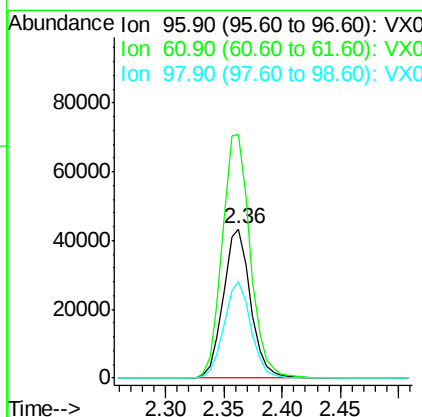
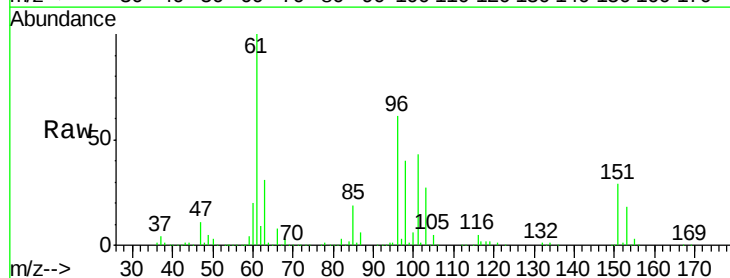
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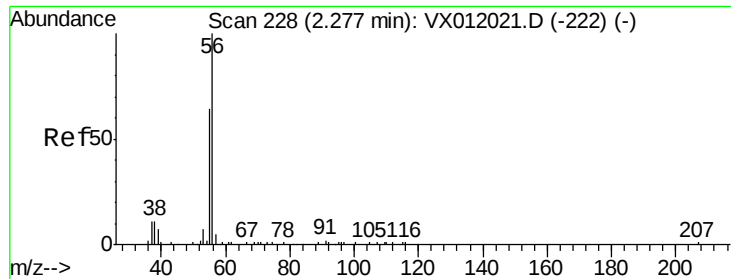
sam
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#12
1,1-Dichloroethene
Concen: 73.497 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.00 min
Lab File: VX012021.D
Acq: 03 Sep 2019 14:07

Tgt Ion: 96 Resp: 70008
Ion Ratio Lower Upper
96 100
61 162.8 124.1 186.1
98 64.7 50.2 75.2





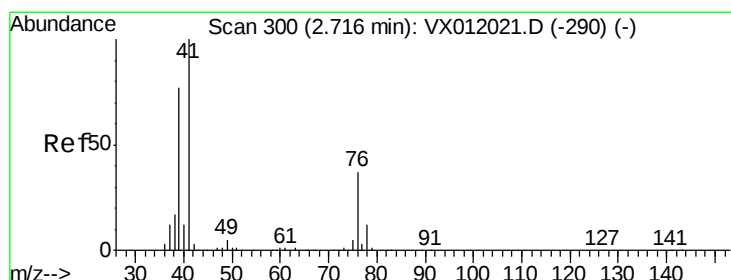
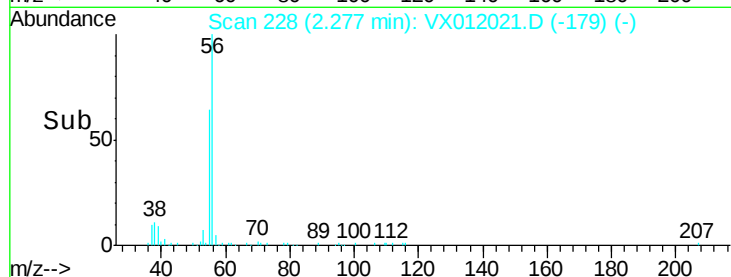
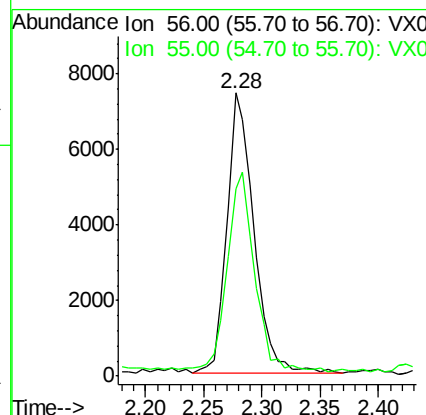
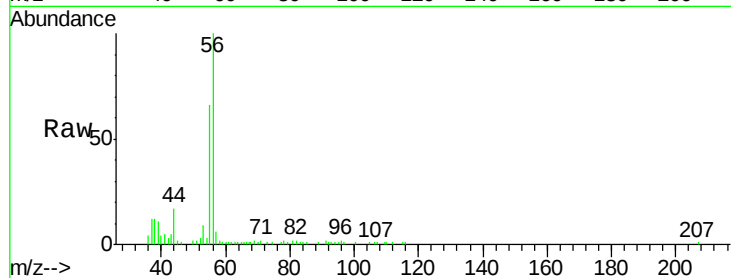
#13
Acrolein
Concen: 298.245 ug/l
RT: 2.28 min Scan# 228
Delta R.T. -0.00 min
Lab File: VX012021.D
Acq: 03 Sep 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	56	Resp	11813
Ion Ratio	100	Lower	Upper
55	72.1	59.2	88.8

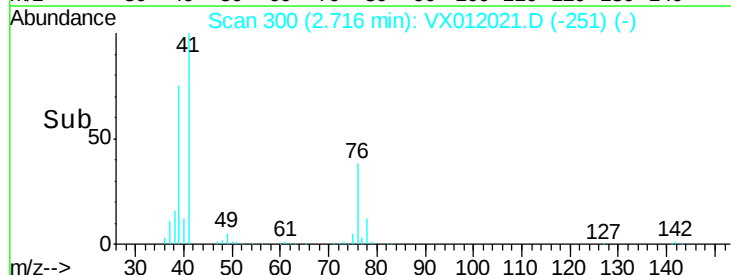
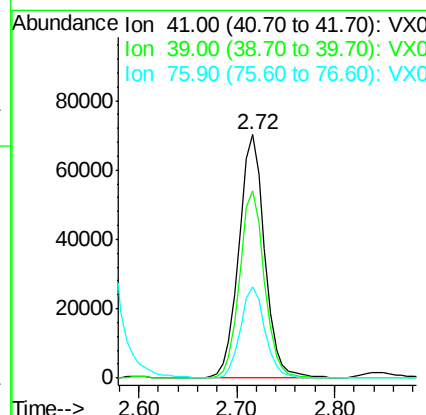
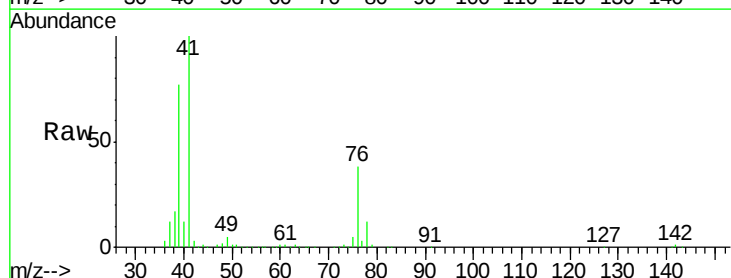
Manual Integrations
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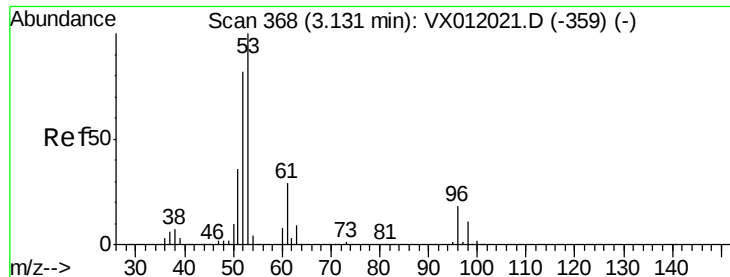
sam
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#14
Allyl chloride
Concen: 78.353 ug/l
RT: 2.72 min Scan# 300
Delta R.T. -0.00 min
Lab File: VX012021.D
Acq: 03 Sep 2019 14:07

Tgt Ion	41	Resp	127909
Ion Ratio	100	Lower	Upper
39	74.0	57.9	86.9
76	36.1	28.5	42.7





#15

Acrylonitrile

Concen: 408.757 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.01 min

Lab File: VX012021.D

Acq: 03 Sep 2019 14:07

Instrument :

MSVOA_X

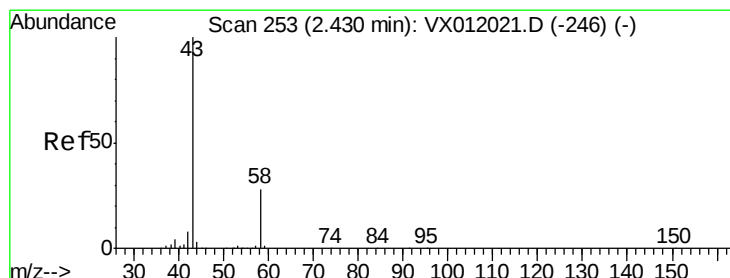
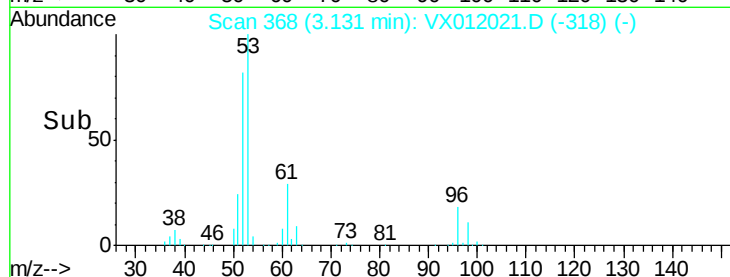
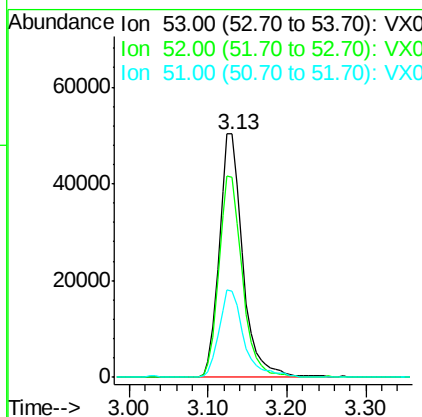
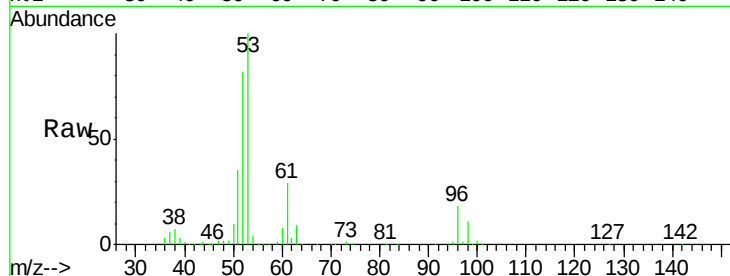
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	104242
Ion Ratio	Lower	Upper	
53	100		
52	82.5	65.6	98.4
51	38.2	29.8	44.6

Manual Integrations
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#16

Acetone

Concen: 448.927 ug/l

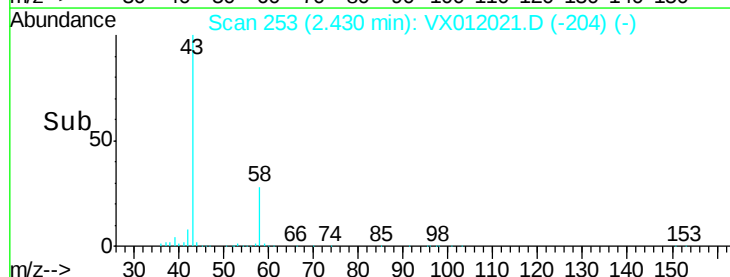
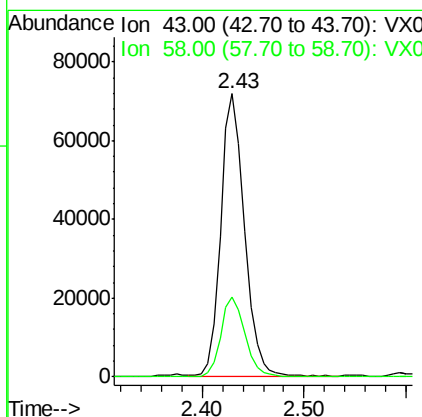
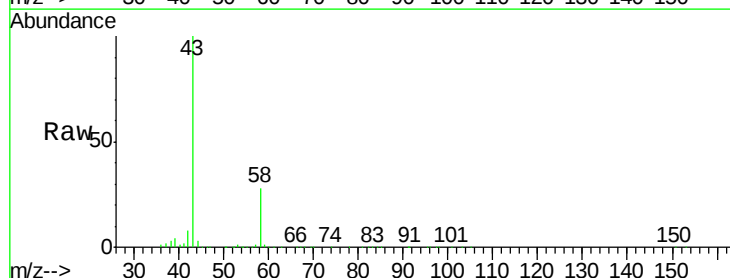
RT: 2.43 min Scan# 253

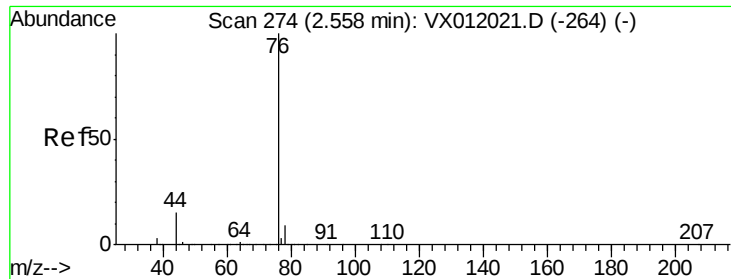
Delta R.T. -0.00 min

Lab File: VX012021.D

Acq: 03 Sep 2019 14:07

Tgt Ion:	43	Resp:	115384
Ion Ratio	Lower	Upper	
43	100		
58	28.0	22.8	34.2





#17

Carbon Disulfide

Concen: 82.248 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX012021.D

Acq: 03 Sep 2019 14:07

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC050

Tot Ion: 76 Resp: 221025

Ion Ratio Lower Upper

76 100

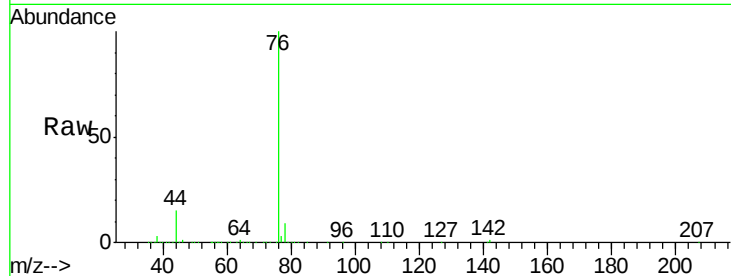
78 9.2 7.4 11.2

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

150000

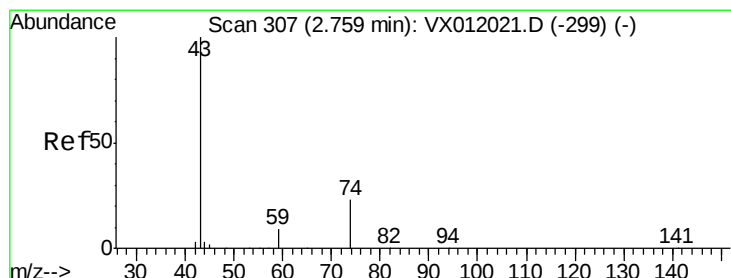
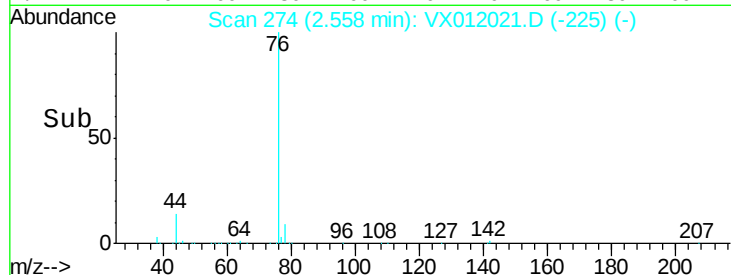
2.56

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 77.247 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.00 min

Lab File: VX012021.D

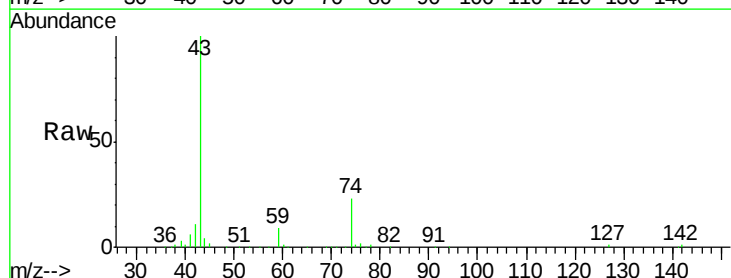
Acq: 03 Sep 2019 14:07

Tgt Ion: 43 Resp: 51449

Ion Ratio Lower Upper

43 100

74 24.6 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

30000

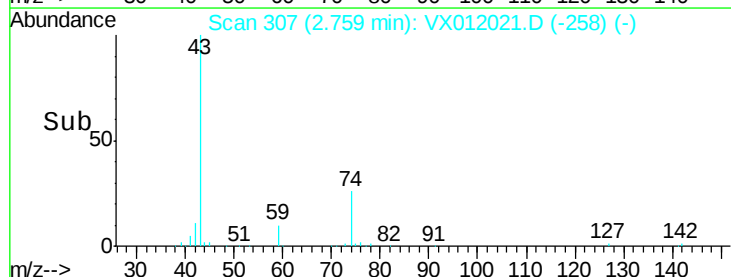
2.76

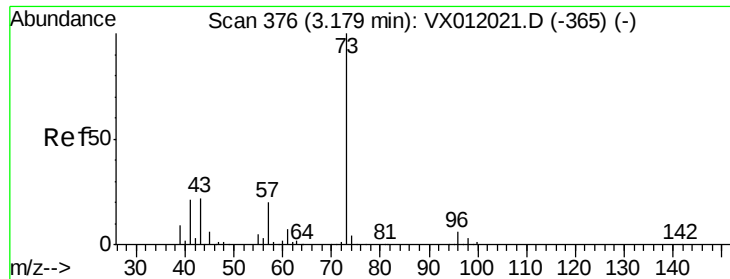
20000

10000

0

Time-->





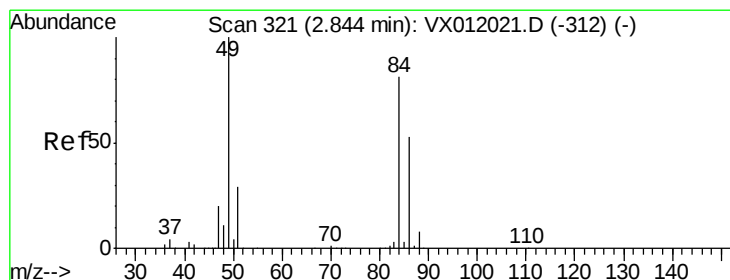
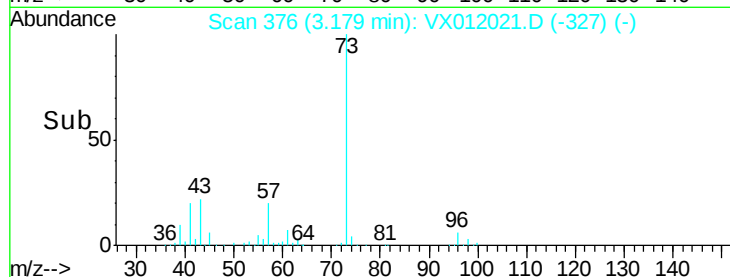
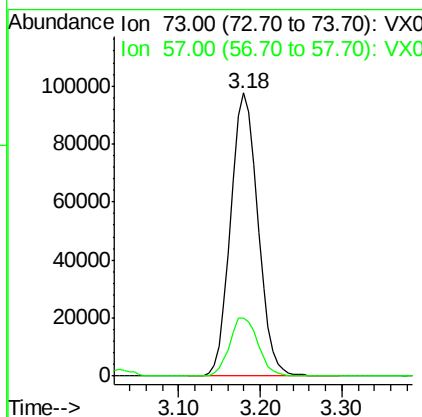
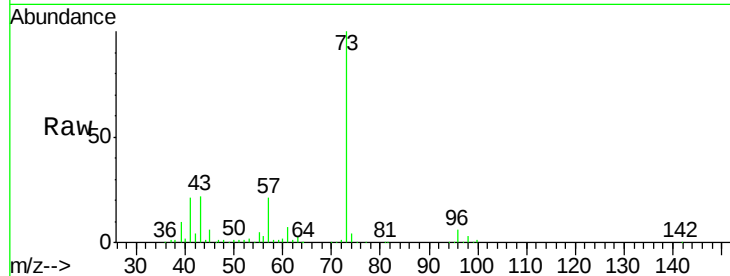
#19
Methyl tert-butyl Ether
Concen: 79.168 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX012021.D
Acq: 03 Sep 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 224805
Ion Ratio Lower Upper
73 100
57 20.4 16.6 25.0

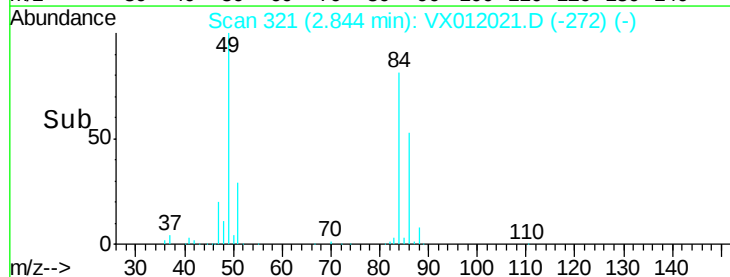
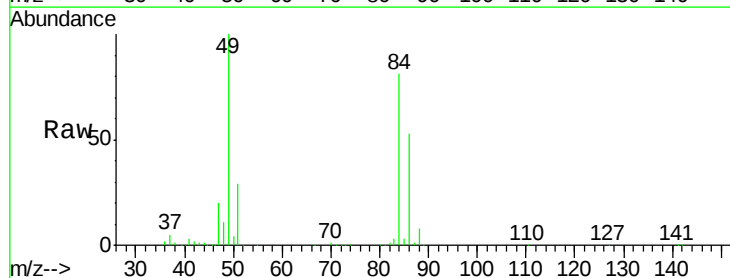
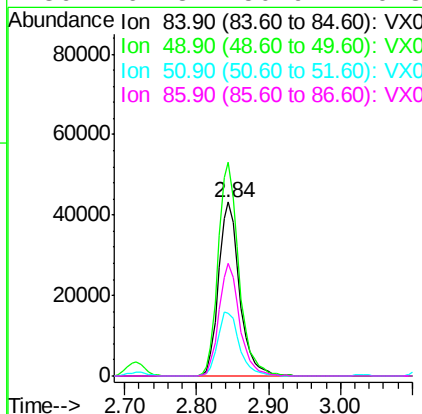
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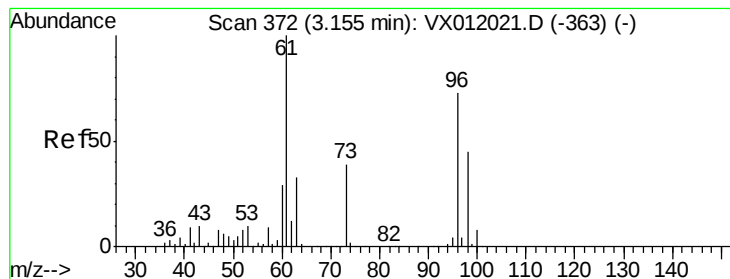
sam
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#20
Methylene Chloride
Concen: 75.032 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012021.D
Acq: 03 Sep 2019 14:07

Tgt Ion: 84 Resp: 87106
Ion Ratio Lower Upper
84 100
49 123.0 95.8 143.8
51 36.2 28.6 43.0
86 64.8 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 73.898 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012021.D

Acq: 03 Sep 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 83673

Ion Ratio Lower Upper

96 100

61 137.0 107.0 160.6

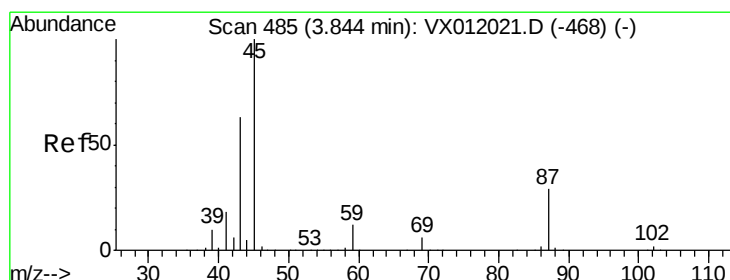
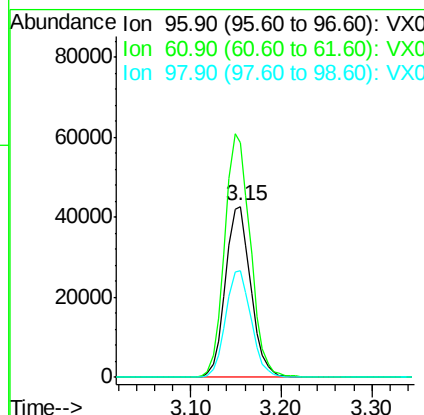
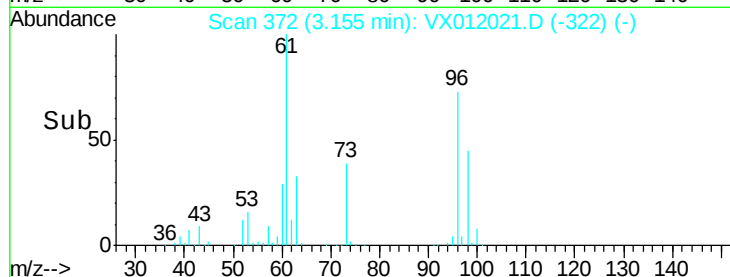
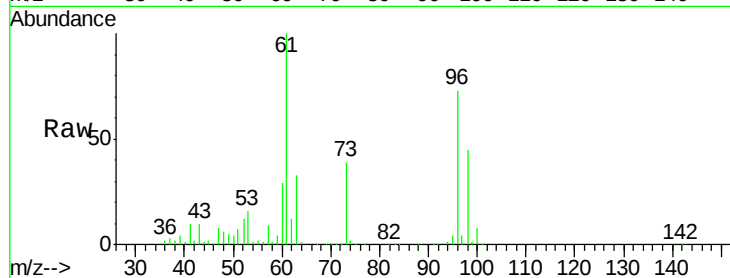
98 62.2 49.8 74.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 76.769 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.01 min

Lab File: VX012021.D

Acq: 03 Sep 2019 14:07

Tgt Ion: 45 Resp: 252033

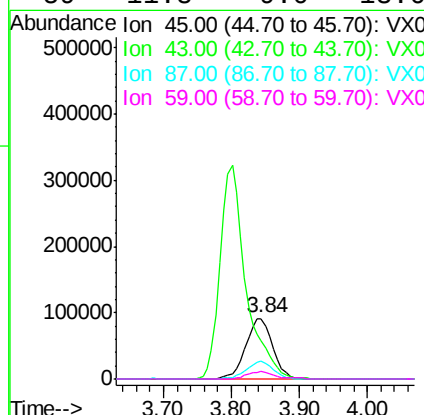
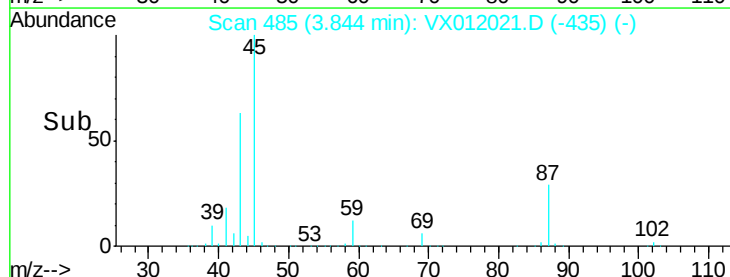
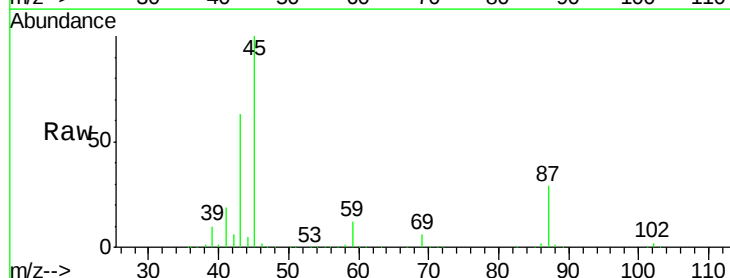
Ion Ratio Lower Upper

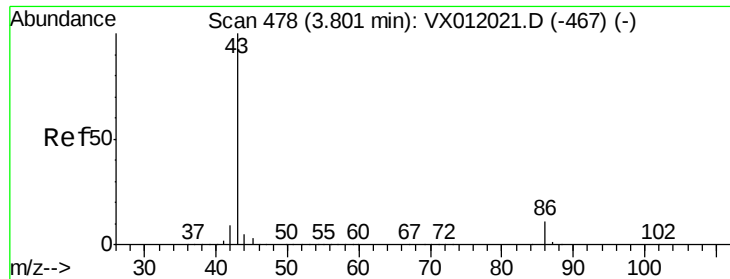
45 100

43 63.3 54.2 81.4

87 29.2 23.4 35.0

59 11.8 9.0 13.6





#23

Vinyl Acetate

Concen: 415.567 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX012021.D

Acq: 03 Sep 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 857831

Ion Ratio Lower Upper

43 100

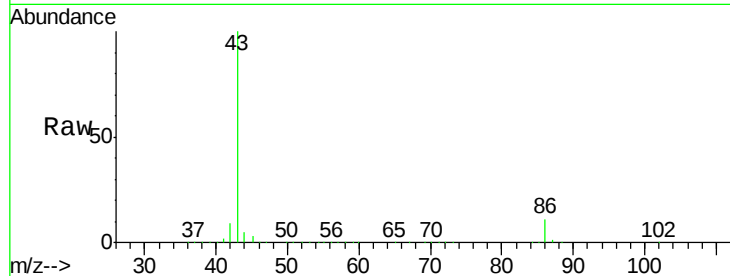
86 10.9 9.0 13.6

Manual Integrations

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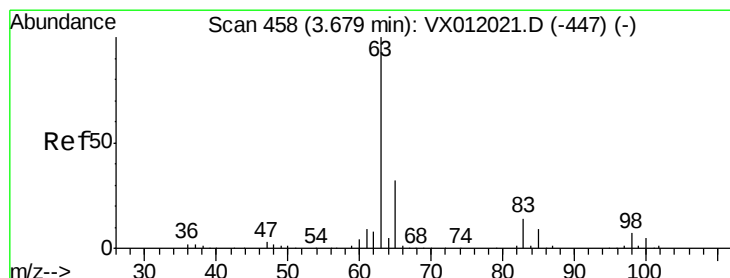
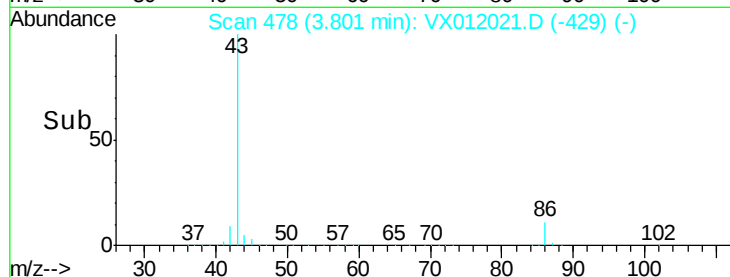
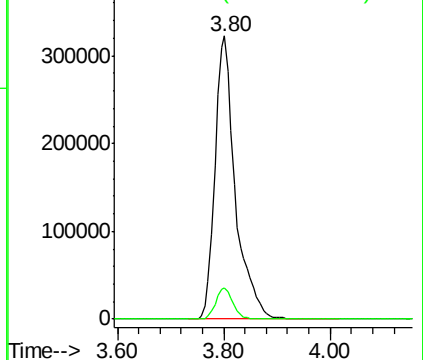
sam

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 76.798 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.00 min

Lab File: VX012021.D

Acq: 03 Sep 2019 14:07

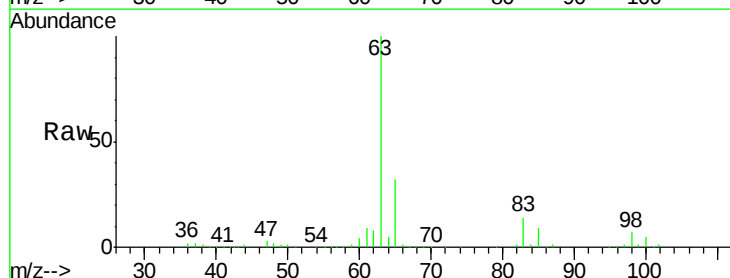
Tgt Ion: 63 Resp: 147037

Ion Ratio Lower Upper

63 100

98 7.3 3.9 11.7

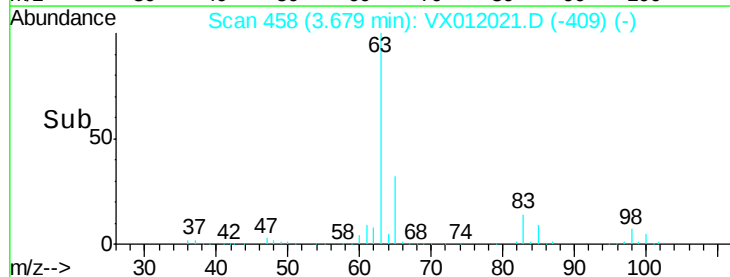
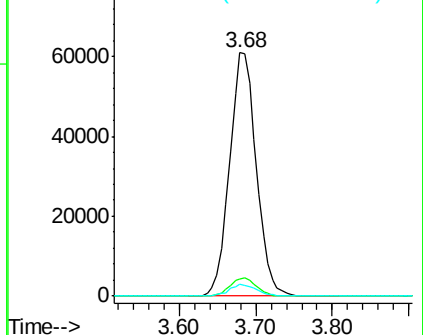
100 5.1 2.5 7.4

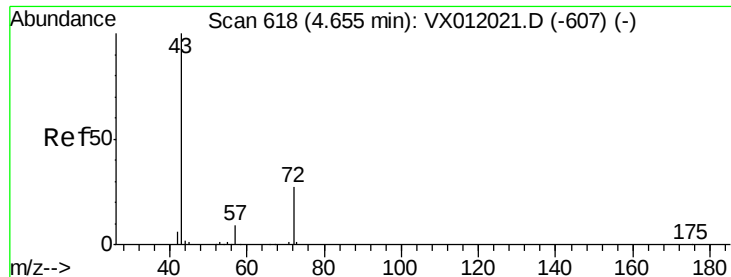


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 428.135 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX012021.D

Acq: 03 Sep 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 149910

Ion Ratio Lower Upper

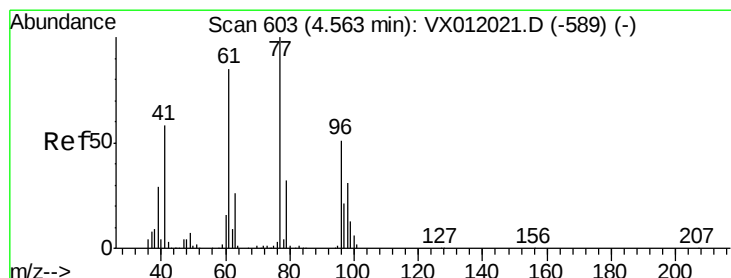
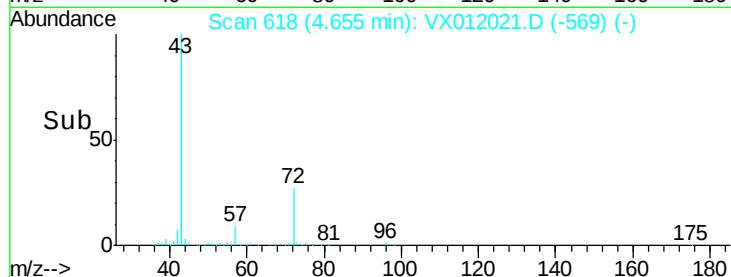
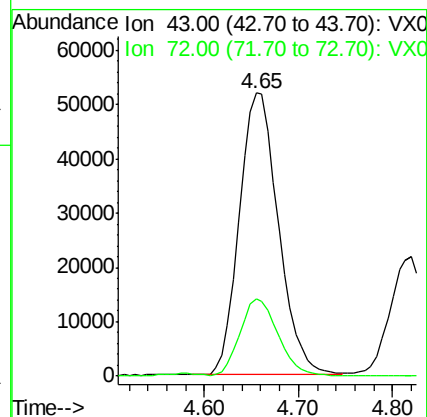
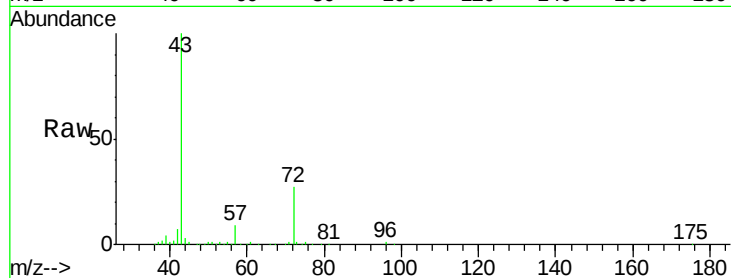
43 100

72 27.1 21.3 31.9

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 75.855 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX012021.D

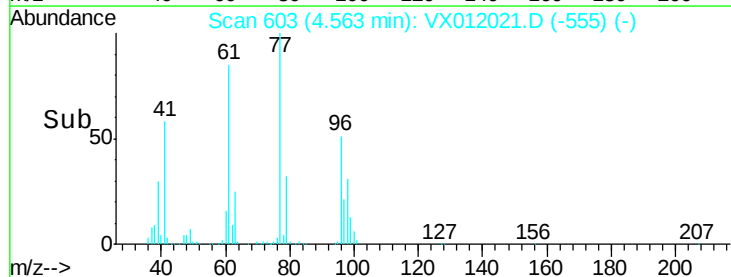
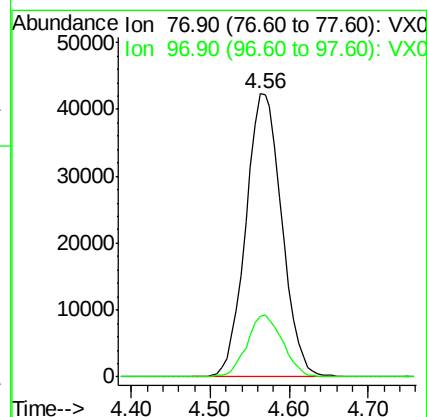
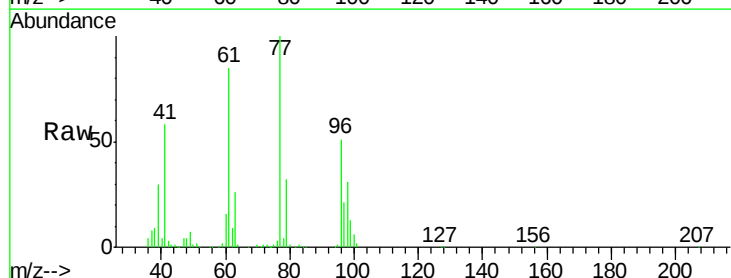
Acq: 03 Sep 2019 14:07

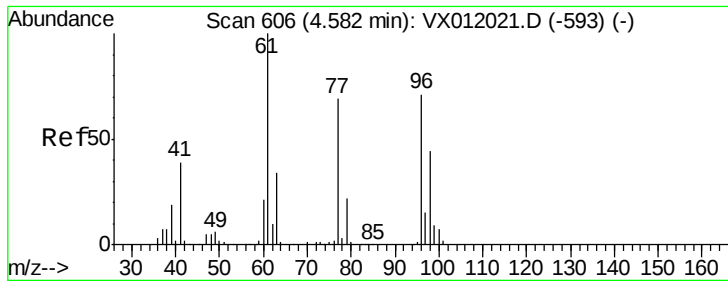
Tgt Ion: 77 Resp: 134714

Ion Ratio Lower Upper

77 100

97 21.8 11.5 34.5





#27

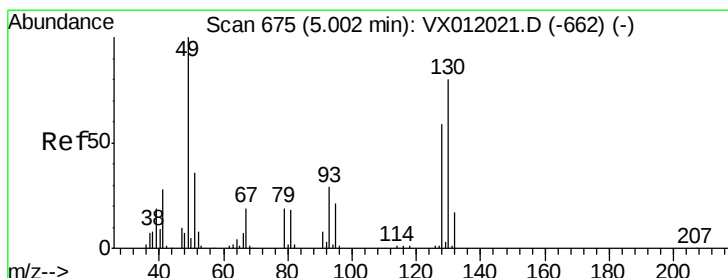
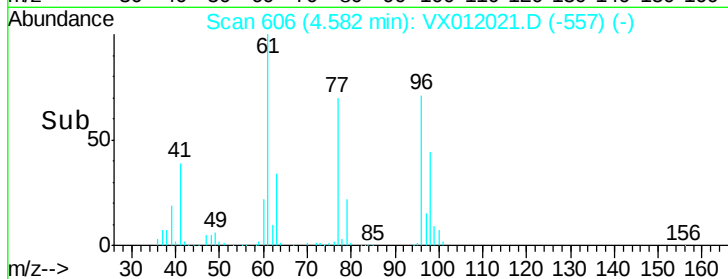
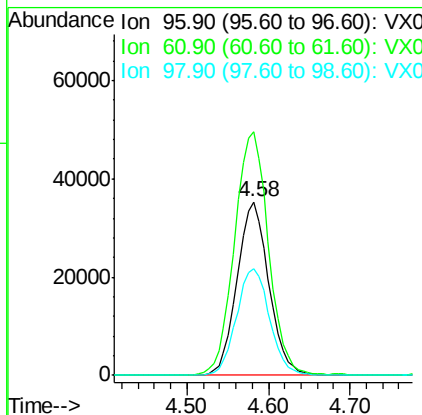
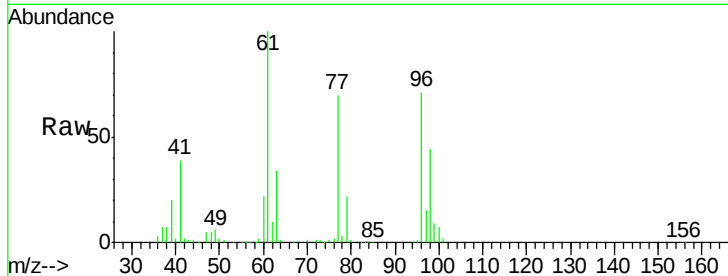
cis-1,2-Dichloroethene
Concen: 73.193 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.00 min
Lab File: VX012021.D
Acq: 03 Sep 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.9	0.0	277.0
98	64.5	0.0	128.4

Manual Integrations
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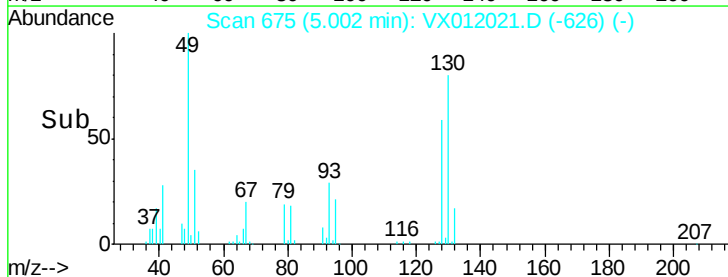
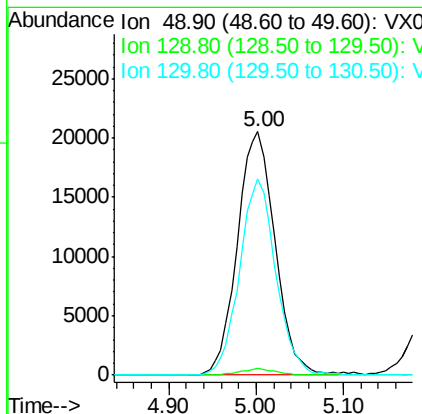
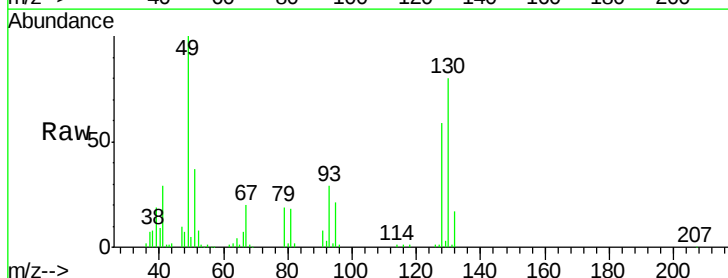
sam
9/4/2019 4:45:47 PM

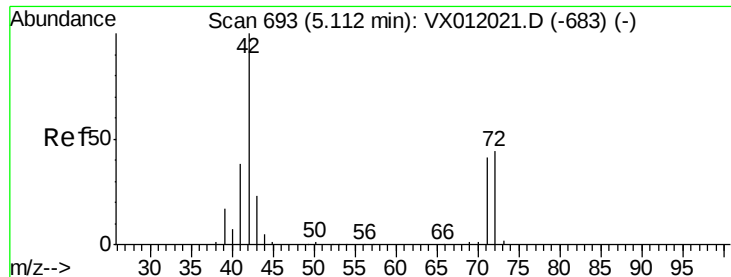


#28

Bromochloromethane
Concen: 78.172 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.00 min
Lab File: VX012021.D
Acq: 03 Sep 2019 14:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	5.6
130	77.5	76.7	115.1





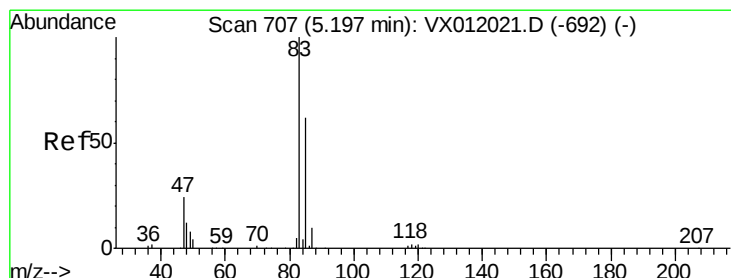
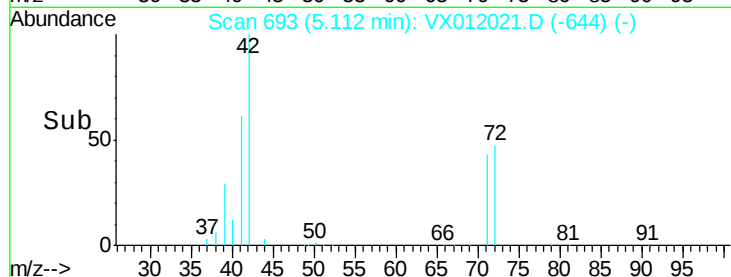
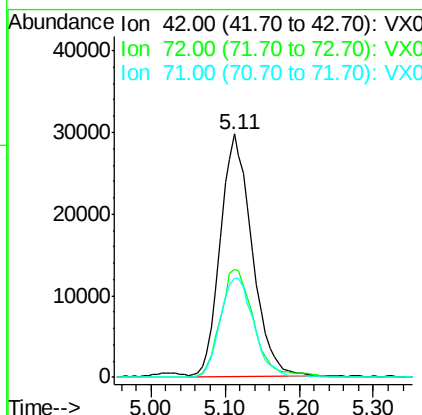
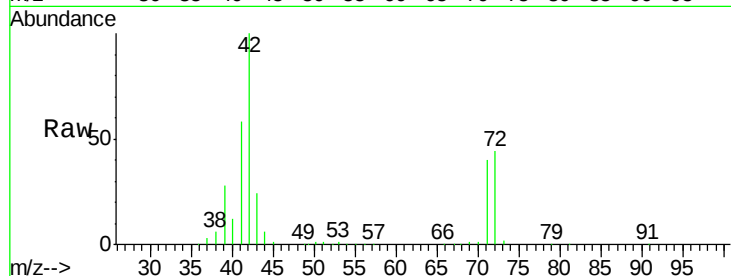
#29
Tetrahydrofuran
Concen: 409.906 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.00 min
Lab File: VX012021.D
Acq: 03 Sep 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.3	37.0	55.4
71	43.6	33.8	50.8

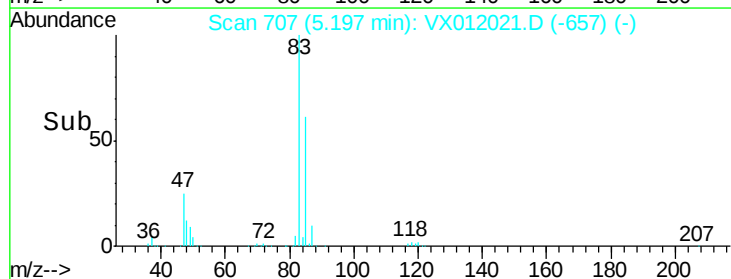
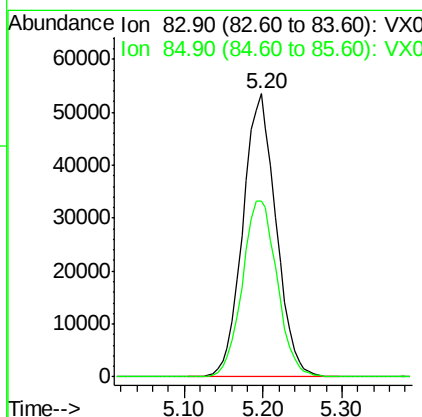
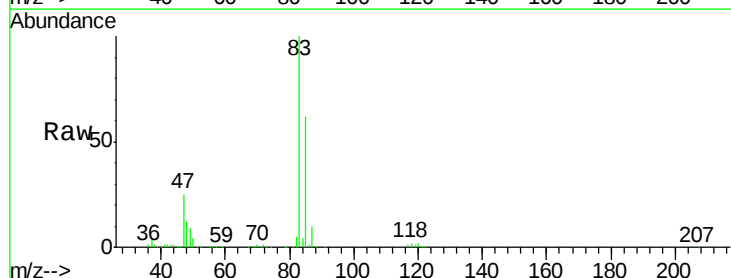
Manual Integrations
APPROVED

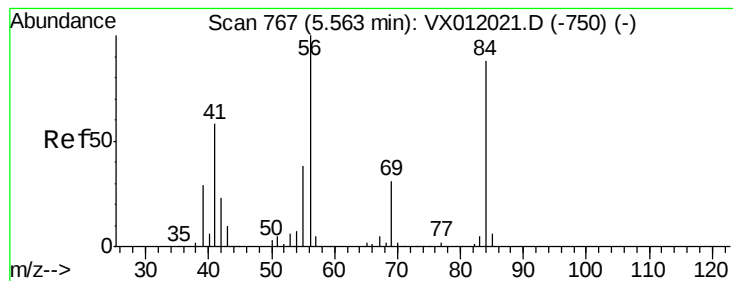
sam
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#30
Chloroform
Concen: 74.478 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.01 min
Lab File: VX012021.D
Acq: 03 Sep 2019 14:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.0	52.6	78.8





#31

Cyclohexane

Concen: 74.368 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.00 min

Lab File: VX012021.D

Acq: 03 Sep 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 118620

Ion Ratio Lower Upper

56 100

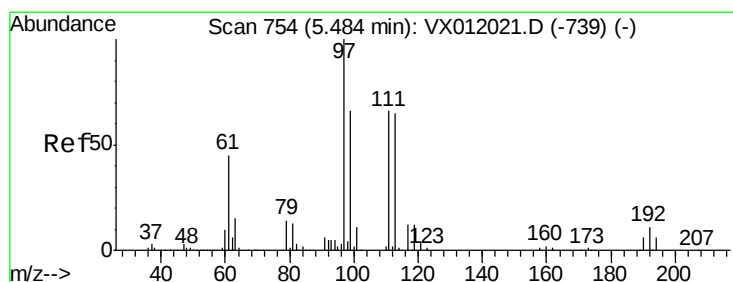
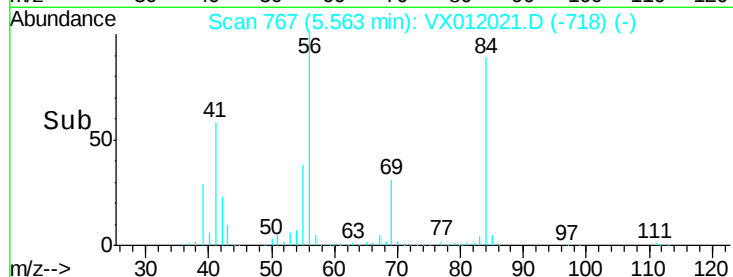
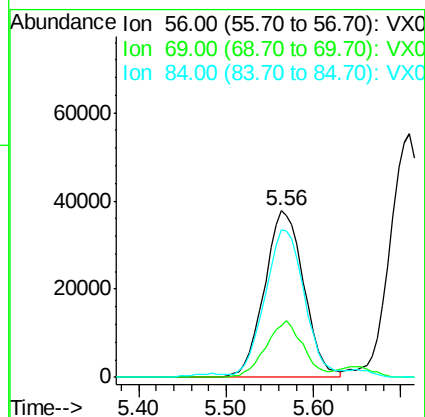
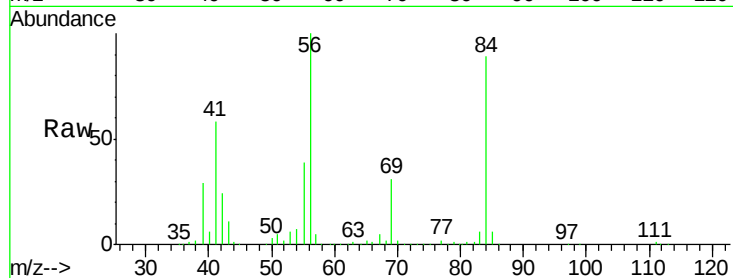
69 31.3 25.7 38.5

84 87.9 70.3 105.5

Manual Integrations
APPROVED

sam

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#32

1,1,1-Trichloroethane

Concen: 71.260 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX012021.D

Acq: 03 Sep 2019 14:07

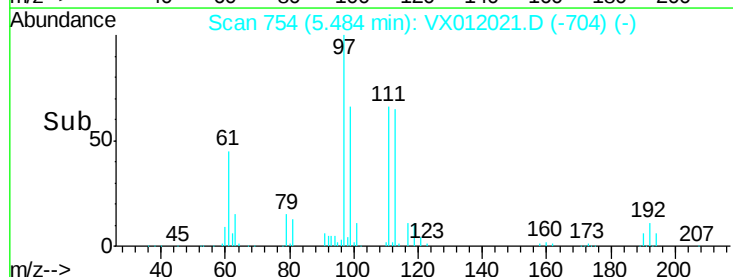
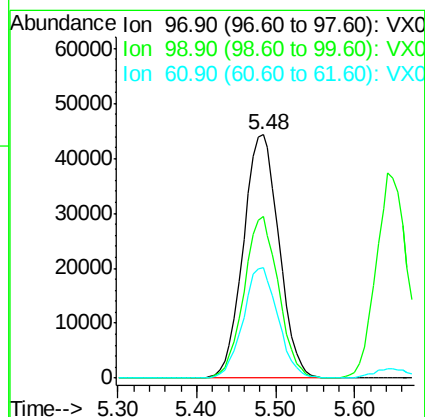
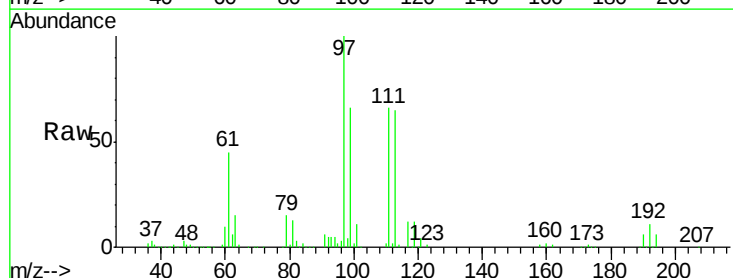
Tgt Ion: 97 Resp: 139324

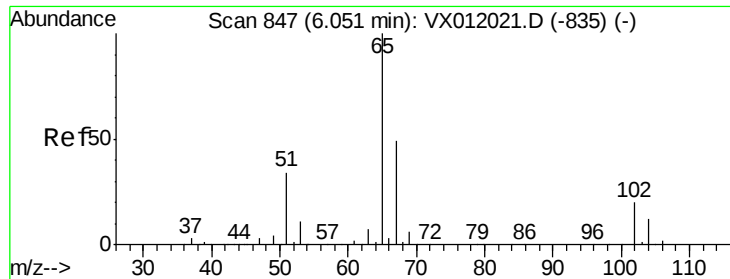
Ion Ratio Lower Upper

97 100

99 64.2 52.1 78.1

61 44.5 32.8 49.2





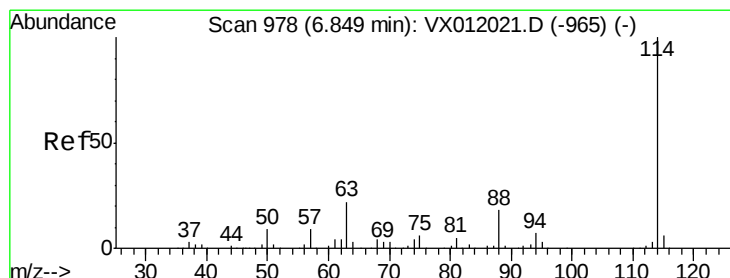
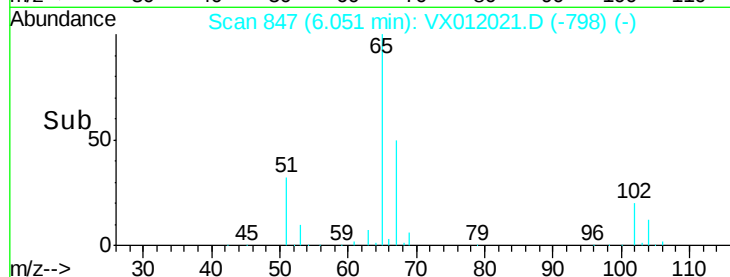
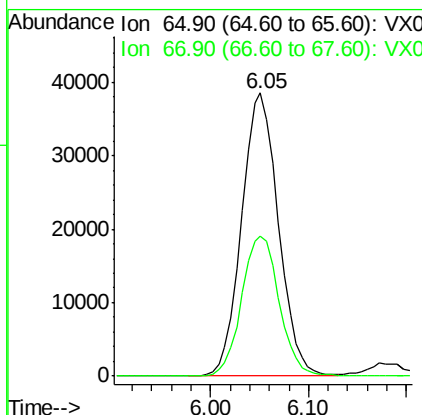
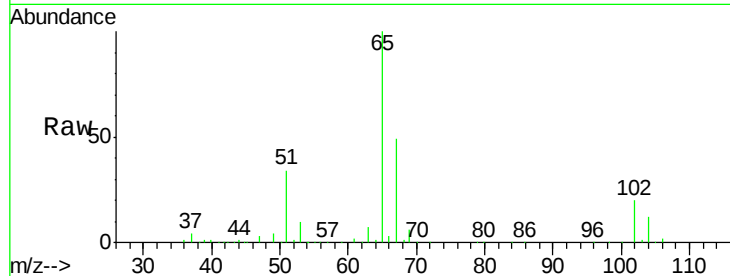
#33
 1,2-Dichloroethane-d4
 Concen: 76.730 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012021.D
 Acq: 03 Sep 2019 14:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	102.0

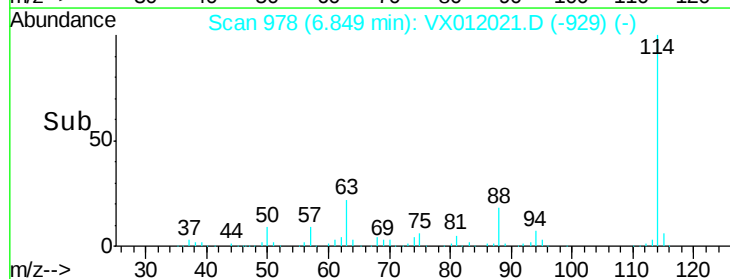
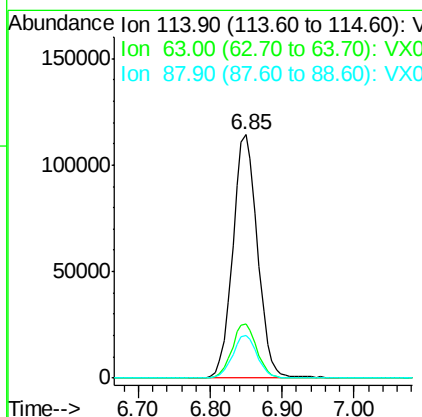
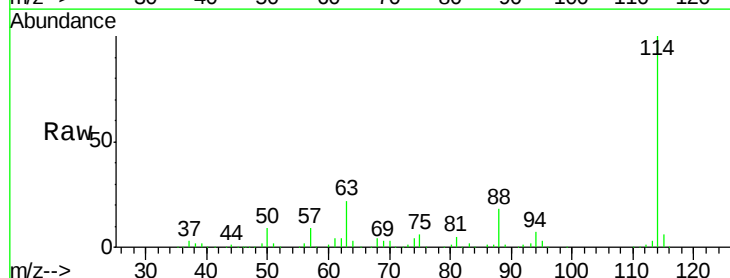
Manual Integrations
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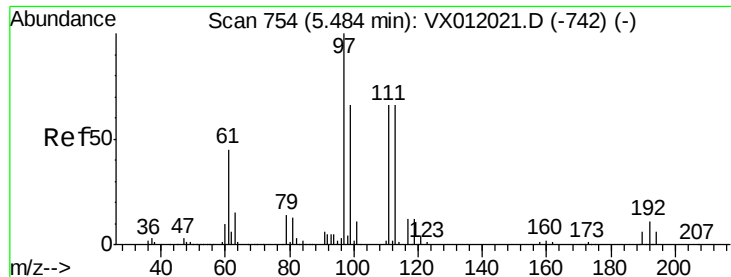
sam
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012021.D
 Acq: 03 Sep 2019 14:07

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	37.4
88	17.6	0.0	29.6





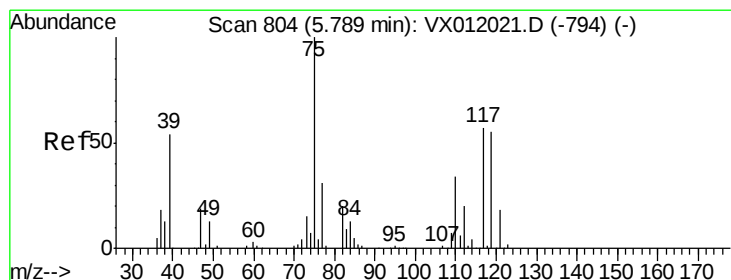
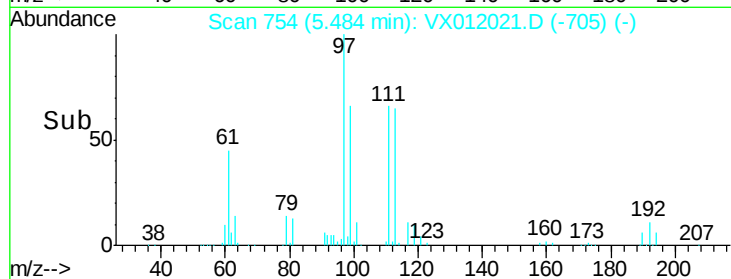
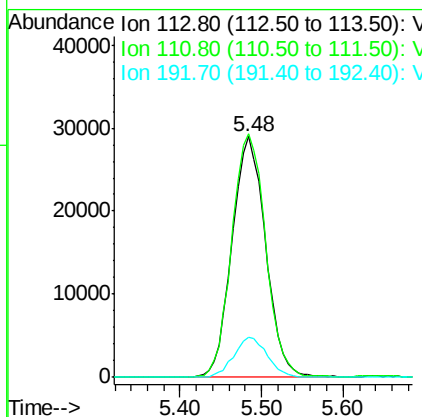
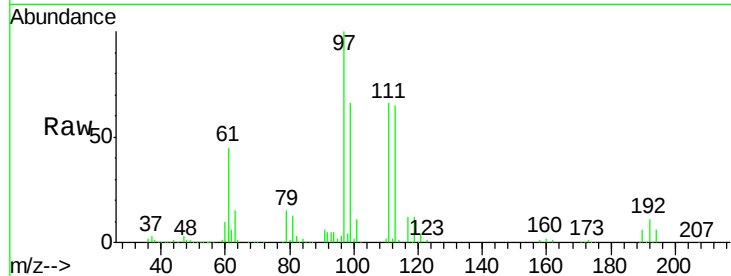
#35
 Dibromofluoromethane
 Concen: 46.187 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012021.D
 Acq: 03 Sep 2019 14:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.7	122.5
192	16.6	22.5	33.7#

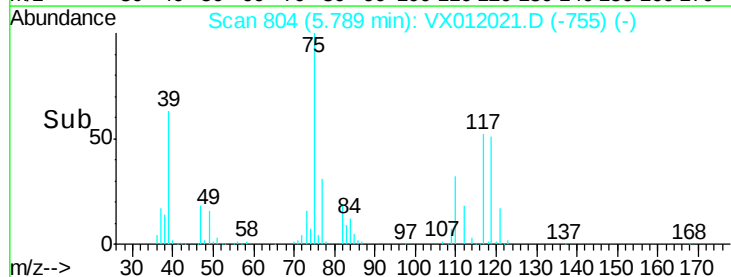
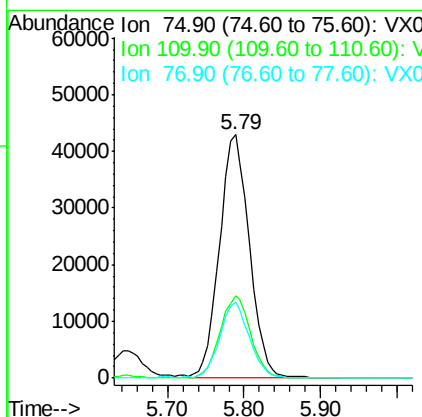
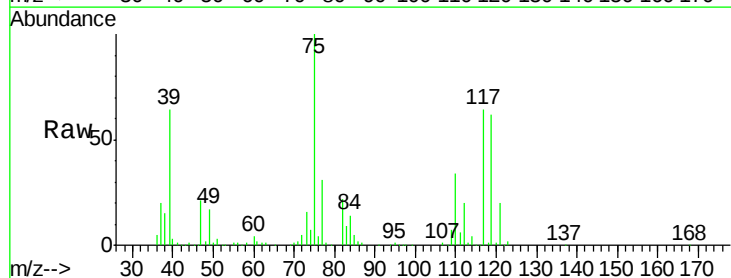
Manual Integrations
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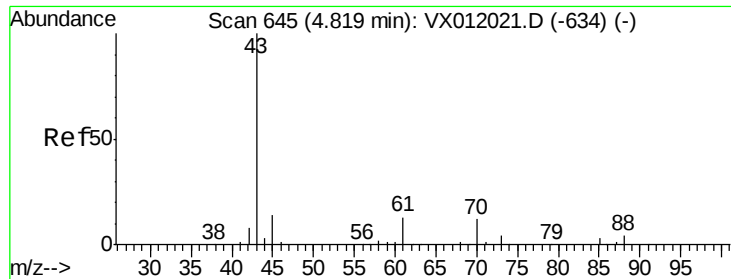
sam
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#36
 1,1-Dichloropropene
 Concen: 55.369 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX012021.D
 Acq: 03 Sep 2019 14:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.8	19.5	58.5
77	30.6	24.6	37.0





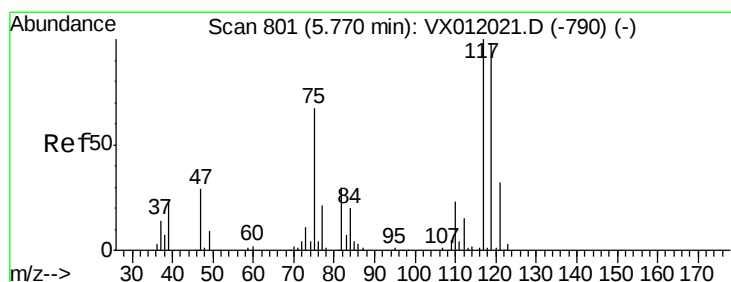
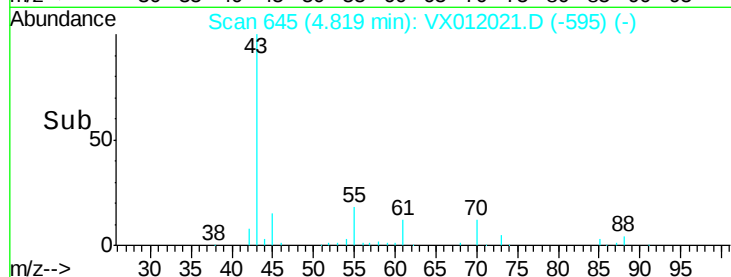
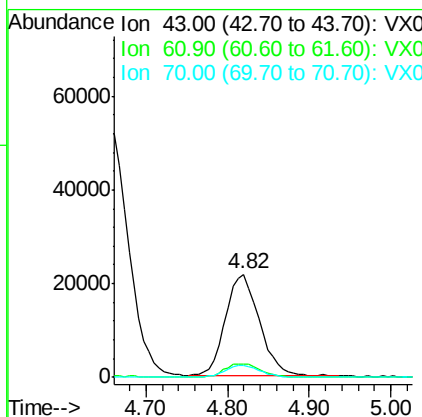
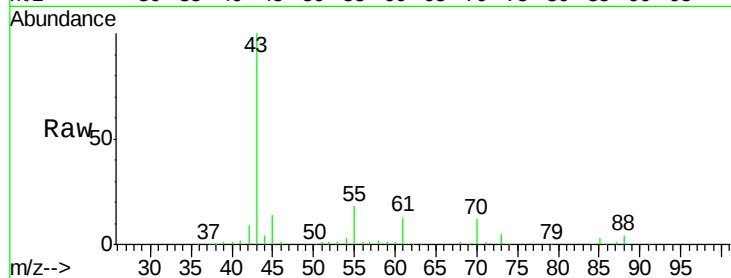
#37
Ethyl Acetate
Concen: 60.785 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.01 min
Lab File: VX012021.D
Acq: 03 Sep 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.9	16.3
70	12.5	9.4	14.0

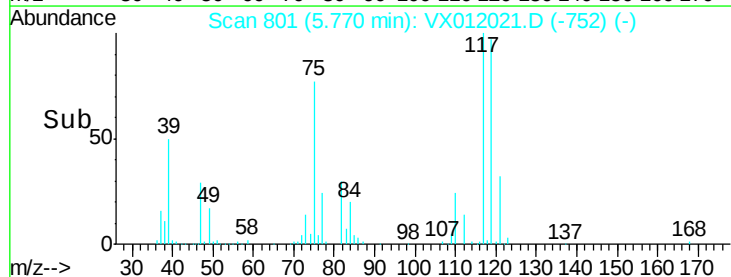
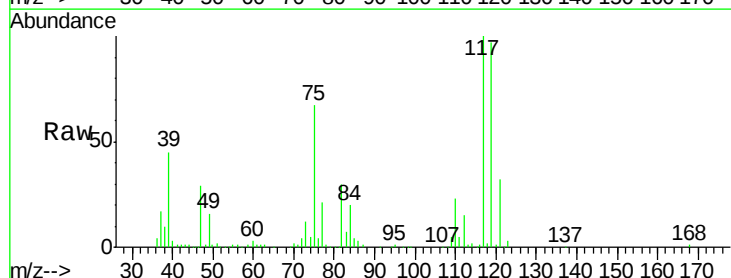
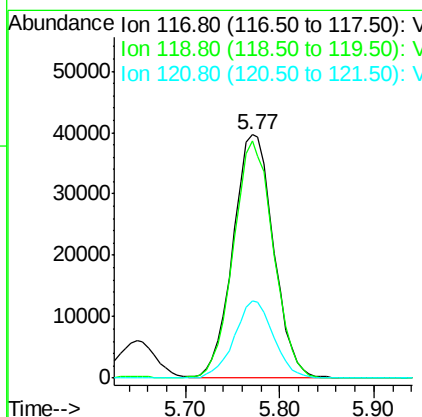
Manual Integrations
APPROVED

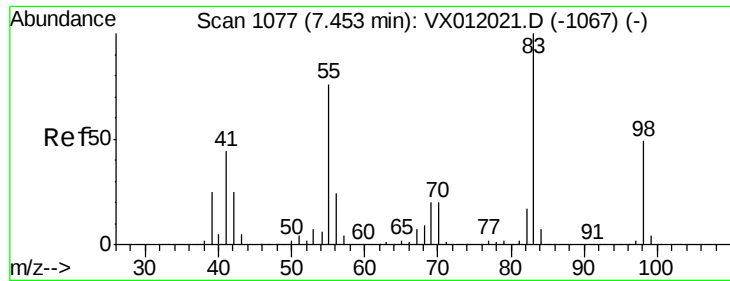
sam
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#38
Carbon Tetrachloride
Concen: 46.744 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX012021.D
Acq: 03 Sep 2019 14:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	78.3	117.5
121	31.9	24.2	36.2





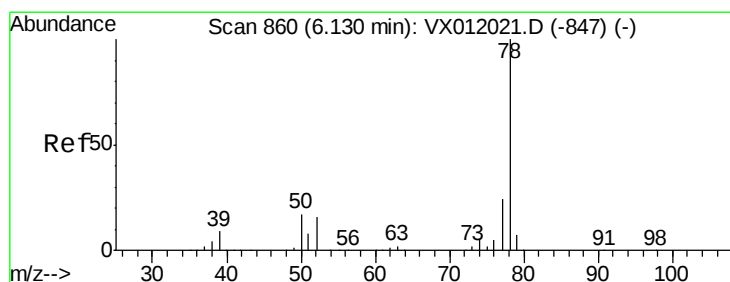
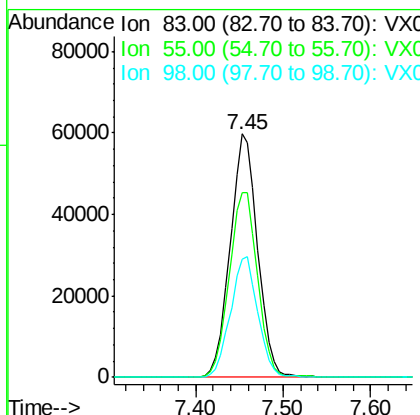
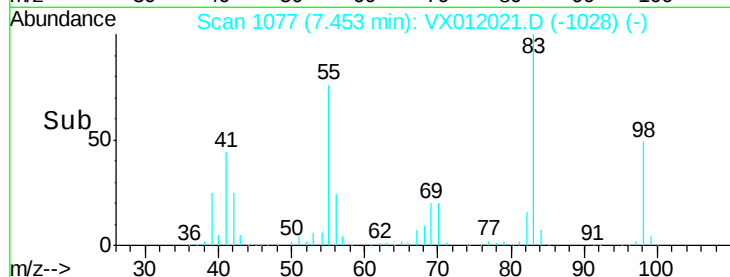
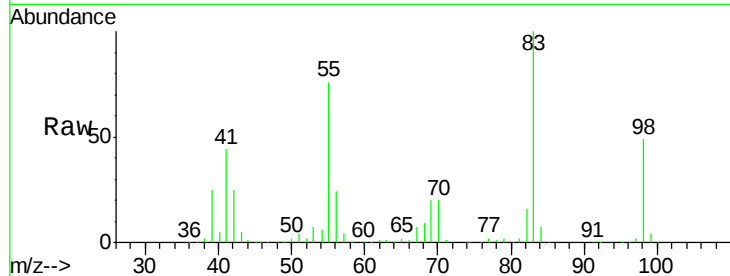
#39
Methvlcvclohexane
Concen: 51.550 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX012021.D
Acq: 03 Sep 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	75.9	59.6	89.4	
98	48.8	41.4	62.0	

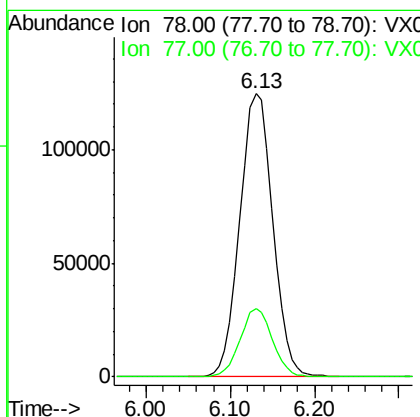
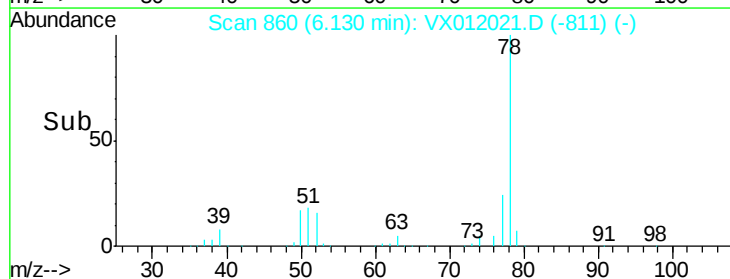
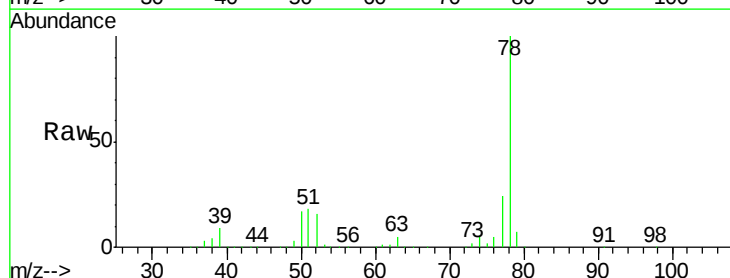
Manual Integrations
APPROVED

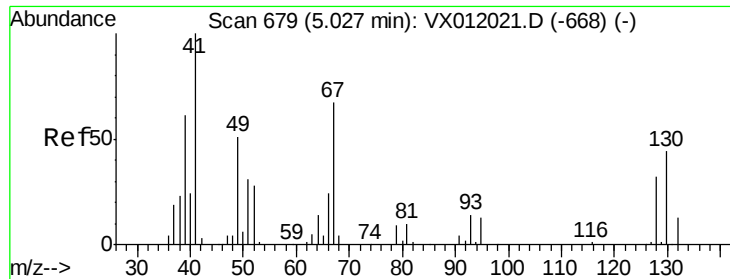
sam
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#40
Benzene
Concen: 54.838 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012021.D
Acq: 03 Sep 2019 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.3	19.3	28.9	





#41

Methacrylonitrile

Concen: 58.854 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.00 min

Lab File: VX012021.D

Acq: 03 Sep 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 41 Resp: 37051

Ion Ratio Lower Upper

41 100

39 59.0 46.7 70.1

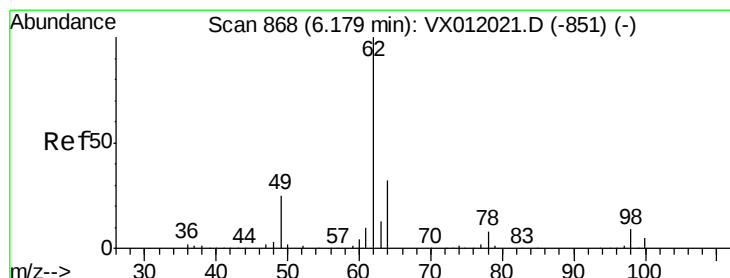
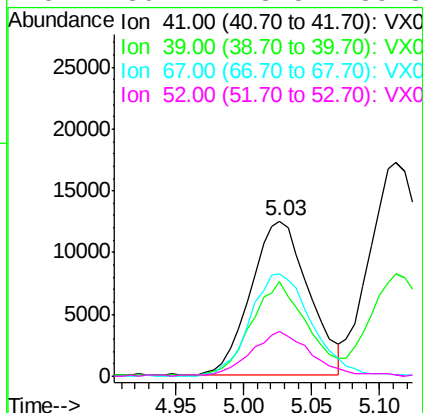
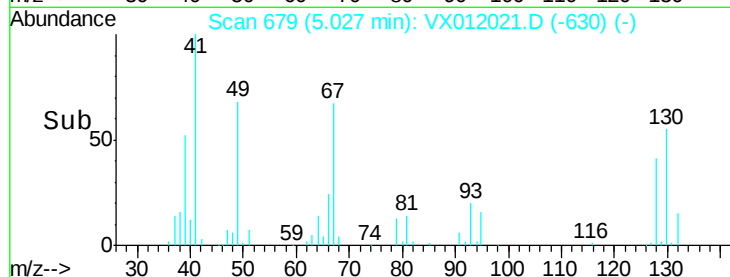
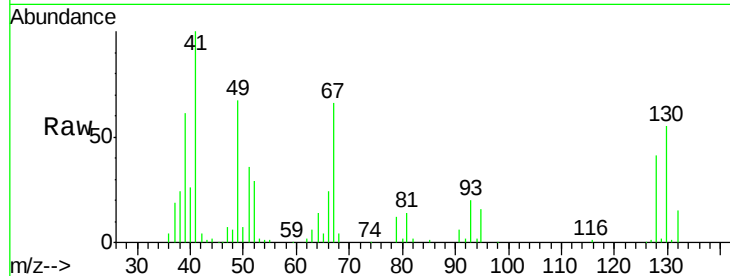
67 70.8 57.0 85.6

52 30.7 23.5 35.3

Manual Integrations
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sam

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#42

1,2-Dichloroethane

Concen: 57.990 ug/l

RT: 6.18 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX012021.D

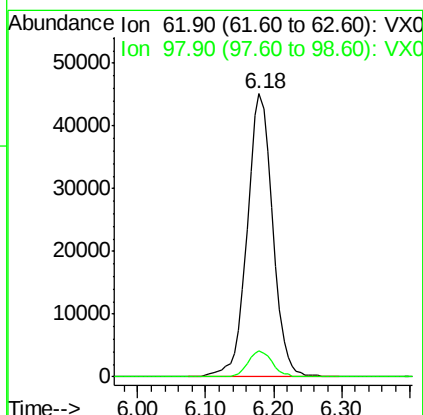
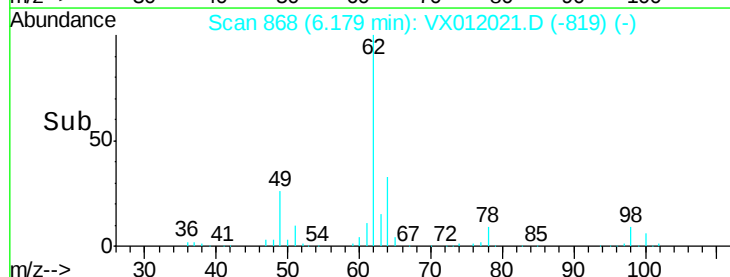
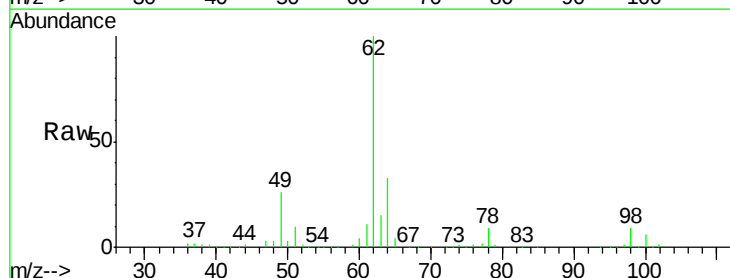
Acq: 03 Sep 2019 14:07

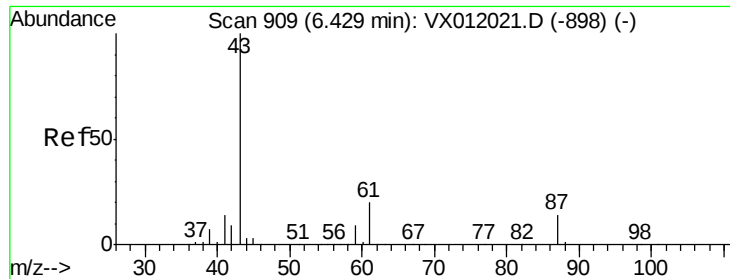
Tgt Ion: 62 Resp: 118395

Ion Ratio Lower Upper

62 100

98 8.9 0.0 19.2





#43

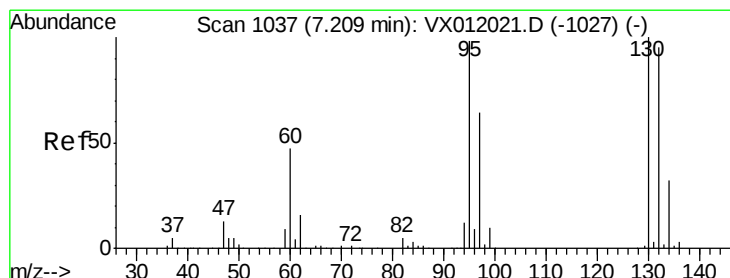
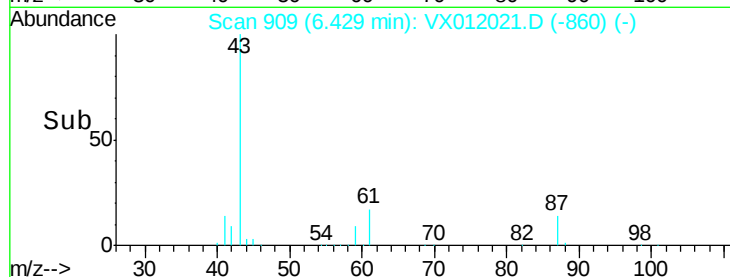
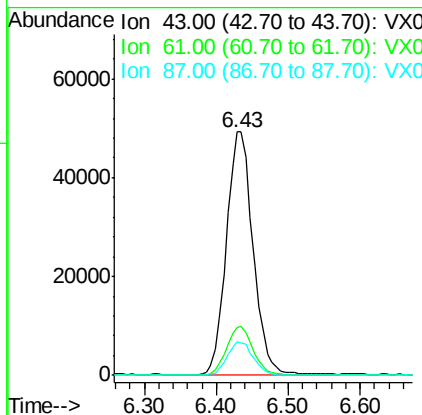
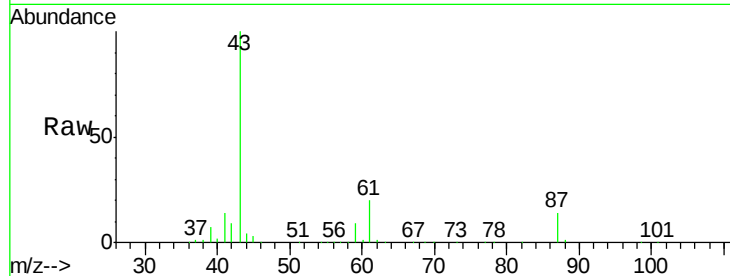
Isopropyl Acetate
 Concen: 58.422 ug/l
 RT: 6.43 min Scan# 909
 Delta R.T. -0.00 min
 Lab File: VX012021.D
 Acq: 03 Sep 2019 14:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.3	16.1	24.1
87	13.6	11.3	16.9

Manual Integrations
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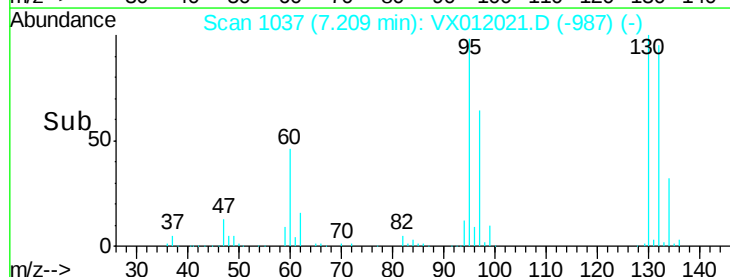
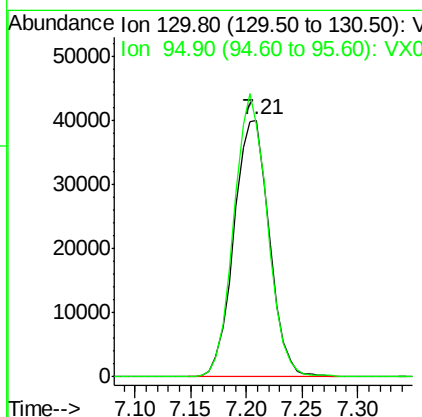
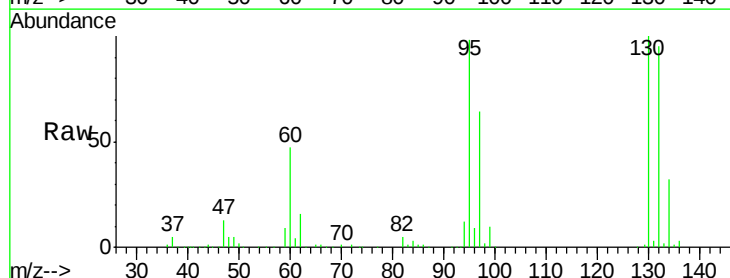
sam
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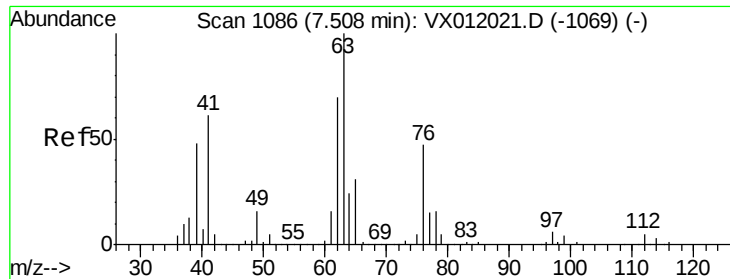


#44

Trichloroethene
 Concen: 44.099 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VX012021.D
 Acq: 03 Sep 2019 14:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	176.4





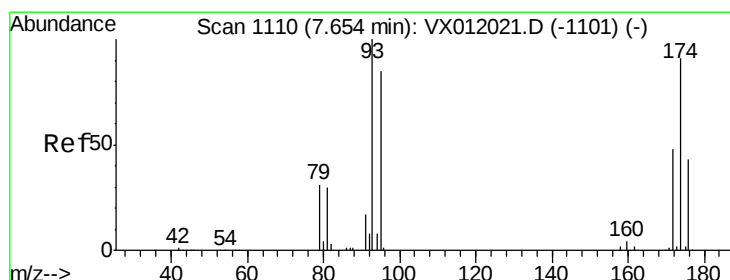
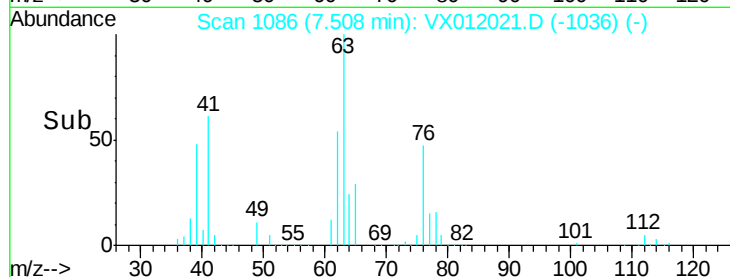
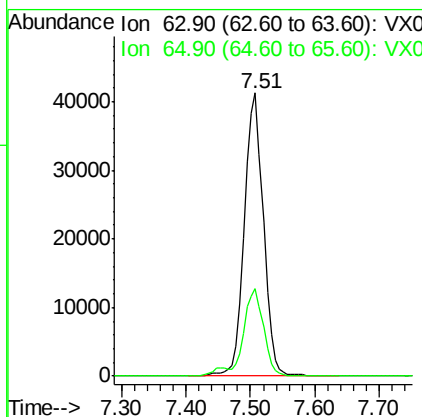
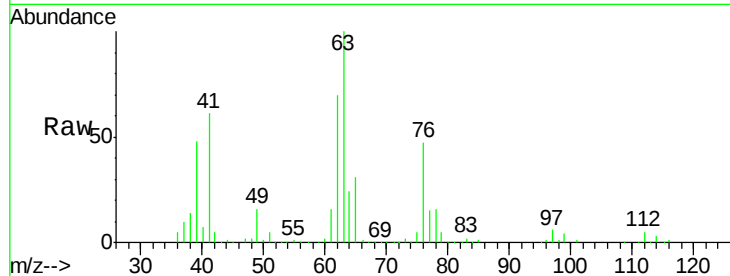
#45
 1,2-Dichloropropane
 Concen: 55.360 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.01 min
 Lab File: VX012021.D
 Acq: 03 Sep 2019 14:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 83956
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.0 37.6

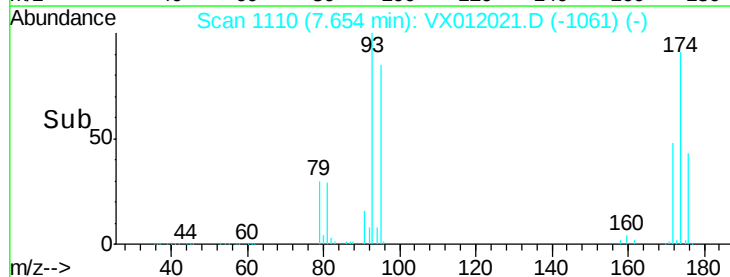
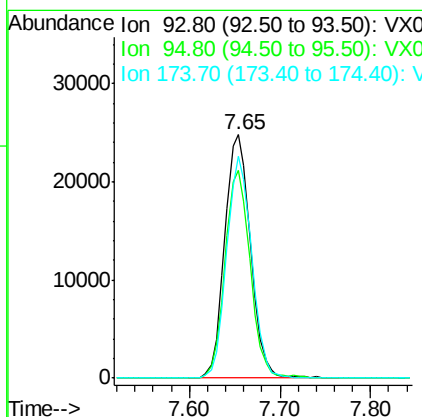
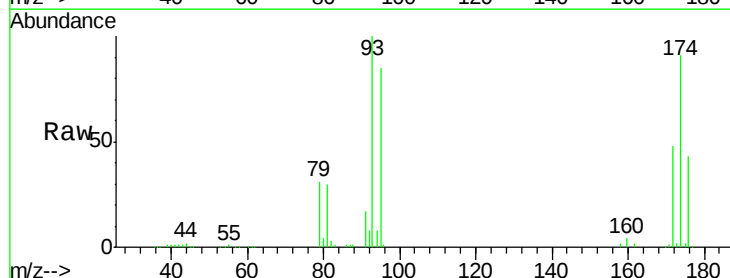
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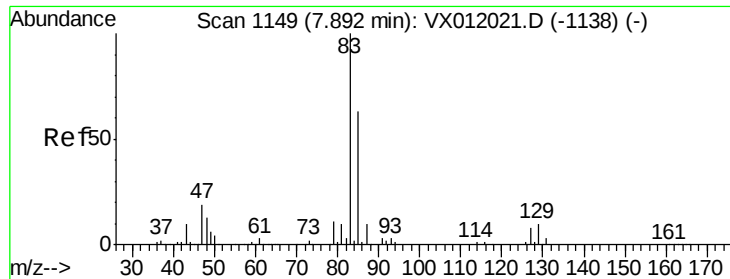
sam
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#46
 Dibromomethane
 Concen: 54.059 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX012021.D
 Acq: 03 Sep 2019 14:07

Tgt Ion: 93 Resp: 49142
 Ion Ratio Lower Upper
 93 100
 95 83.8 66.2 99.2
 174 88.1 110.2 165.4#





#47

Bromodichloromethane

Concen: 54.959 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX012021.D

Acq: 03 Sep 2019 14:07

Instrument :

MSVOA_X

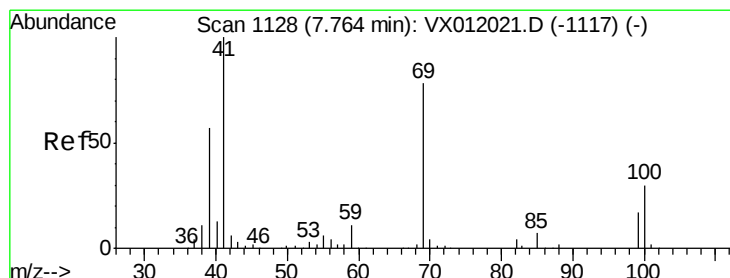
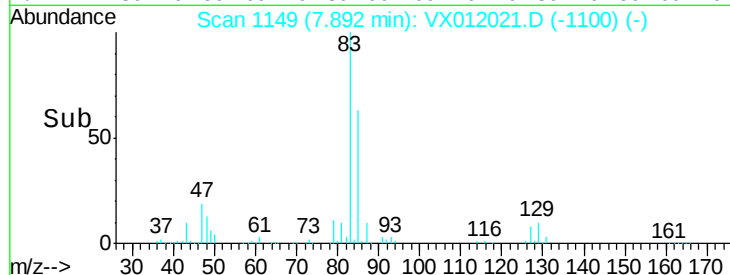
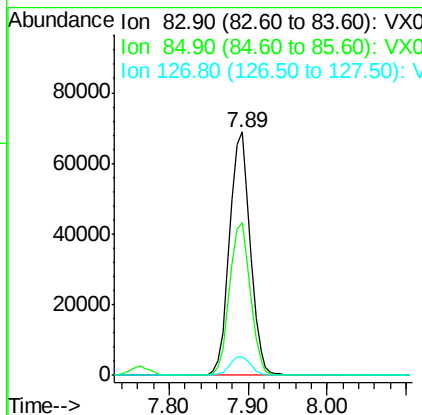
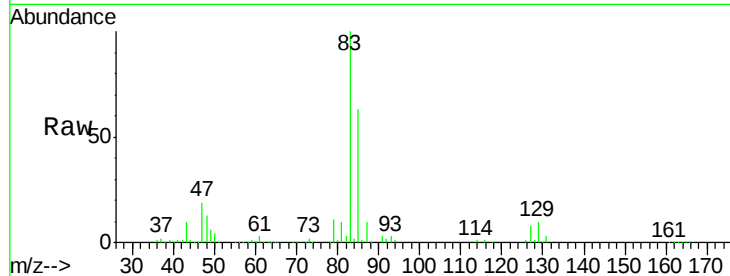
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	126119
Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.3	75.5
127	7.6	8.1	12.1#

Manual Integrations
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#48

Methyl methacrylate

Concen: 60.032 ug/l

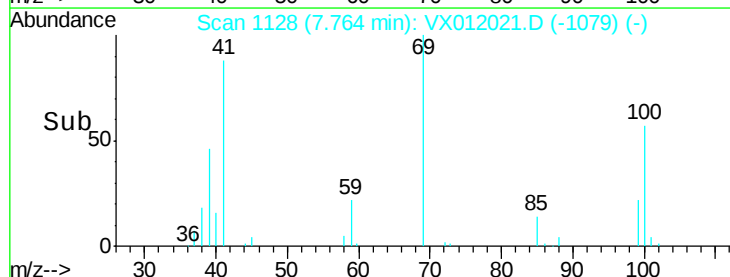
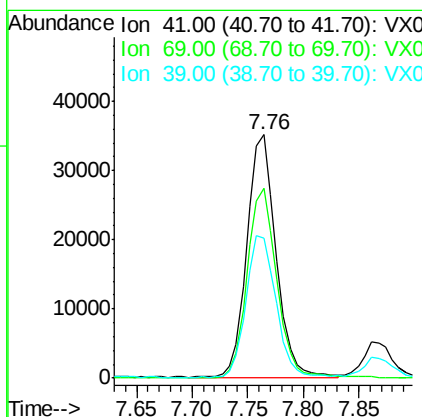
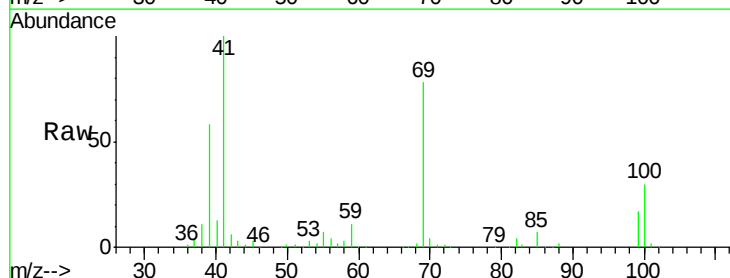
RT: 7.76 min Scan# 1128

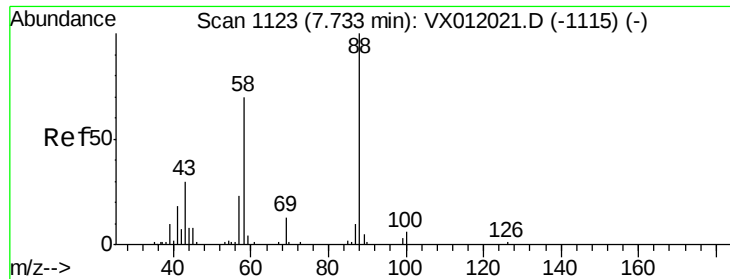
Delta R.T. -0.00 min

Lab File: VX012021.D

Acq: 03 Sep 2019 14:07

Tgt Ion:	41	Resp:	63917
Ion	Ratio	Lower	Upper
41	100		
69	79.9	66.3	99.5
39	60.5	48.1	72.1





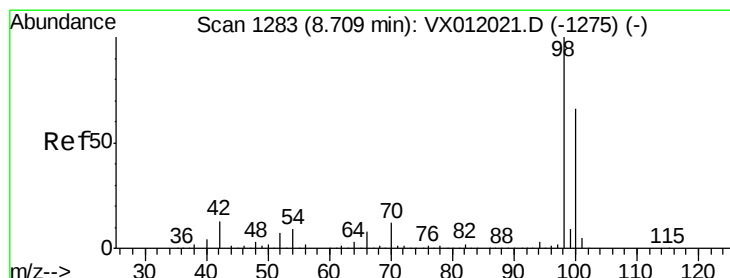
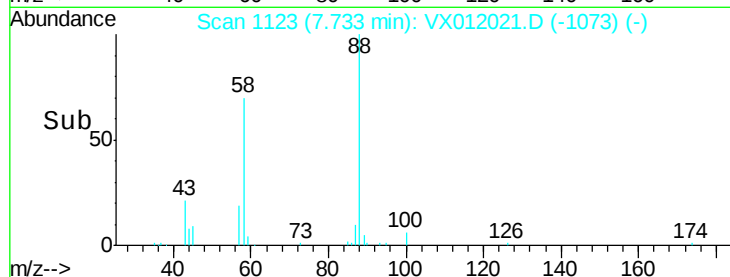
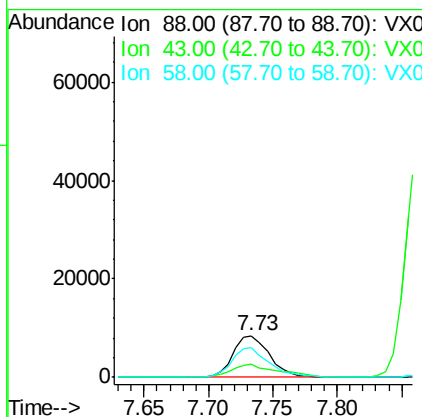
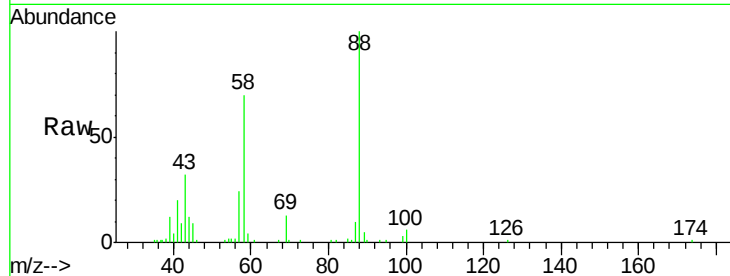
#49
1,4-Dioxane
Concen: 1113.939 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VX012021.D
Acq: 03 Sep 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	88	Resp	16639
Ion Ratio	Lower	Upper	
88	100		
43	36.0	29.8	44.6
58	74.9	55.4	83.2

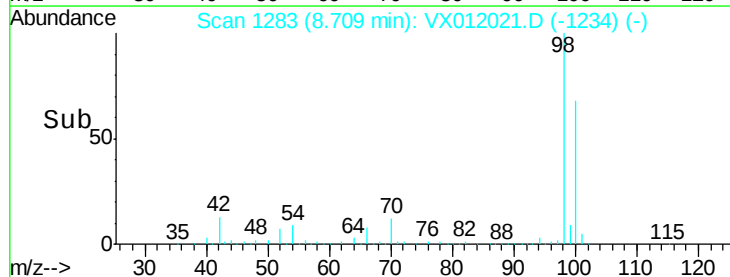
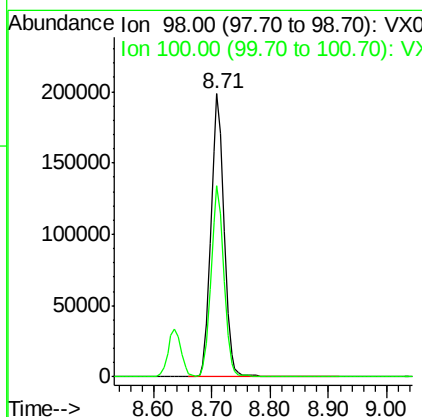
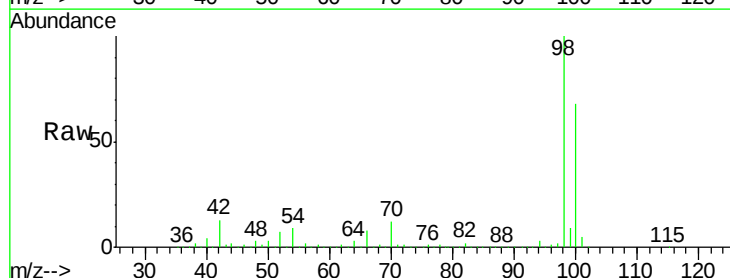
Manual Integrations
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#50
Toluene-d8
Concen: 49.434 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012021.D
Acq: 03 Sep 2019 14:07

Tgt Ion	98	Resp	311352
Ion Ratio	Lower	Upper	
98	100		
100	66.5	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 294.886 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012021.D

Acq: 03 Sep 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 319998

Ion Ratio Lower Upper

43 100

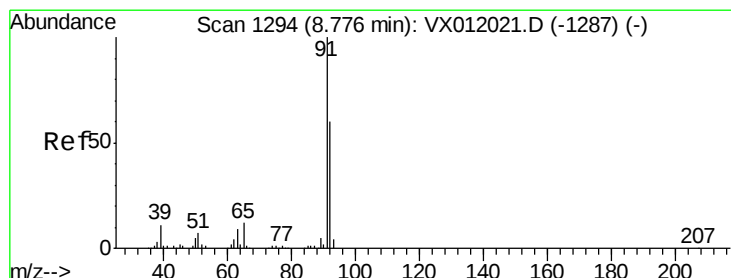
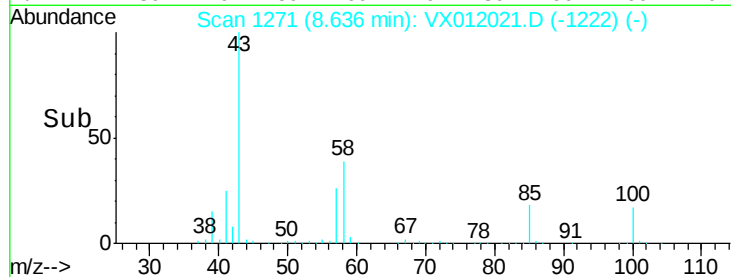
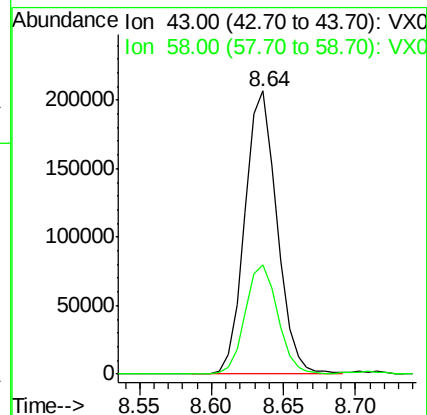
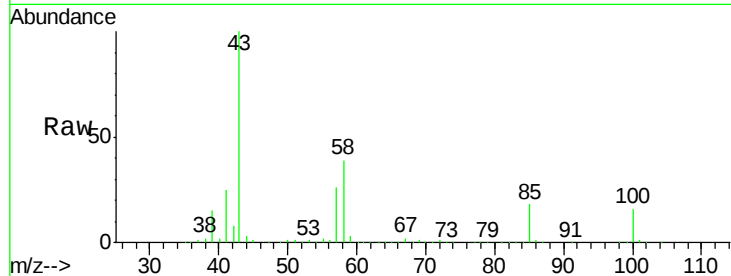
58 39.1 31.5 47.3

Manual Integrations

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#52

Toluene

Concen: 52.391 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX012021.D

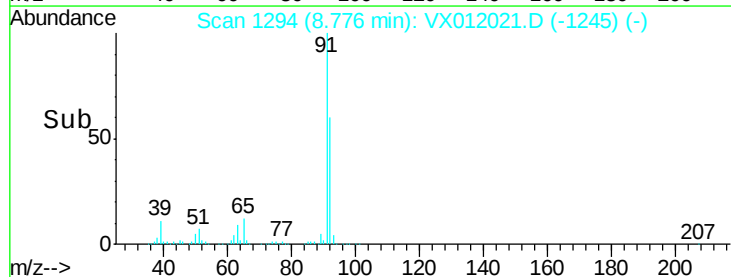
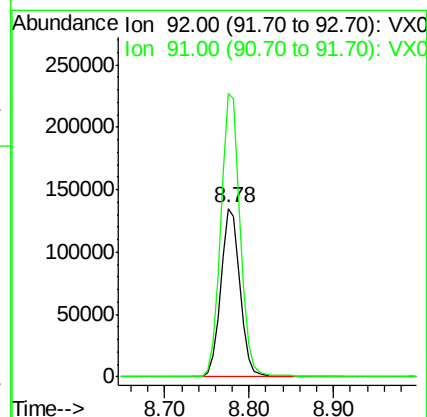
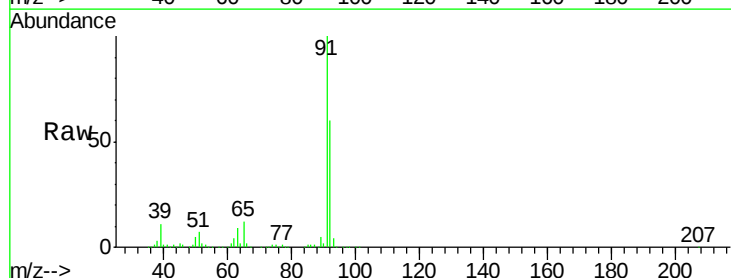
Acq: 03 Sep 2019 14:07

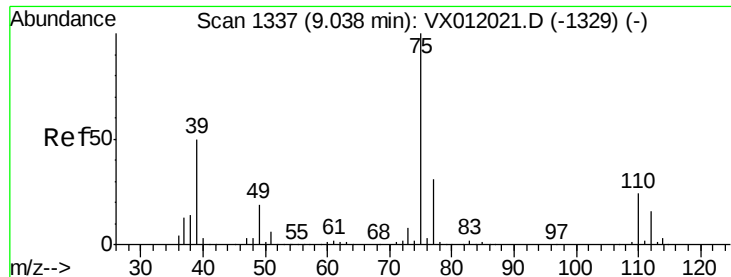
Tgt Ion: 92 Resp: 213936

Ion Ratio Lower Upper

92 100

91 169.3 136.0 204.0





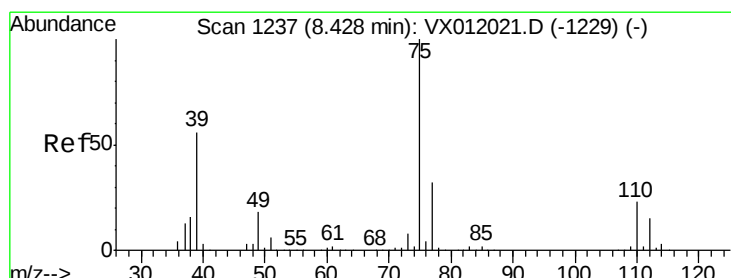
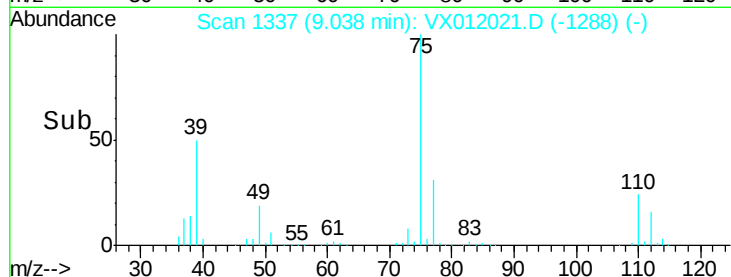
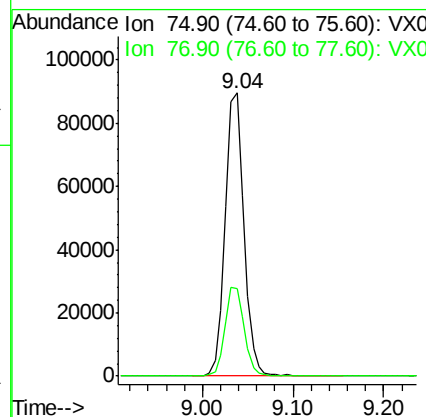
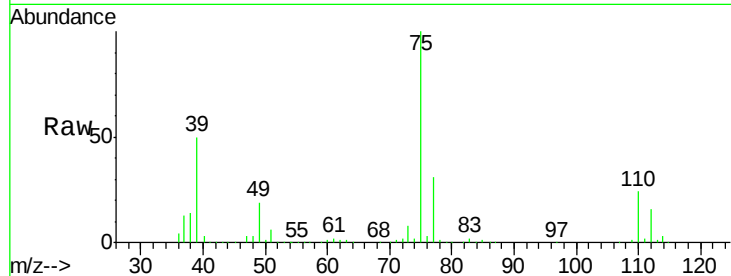
#53
t-1,3-Dichloropropene
Concen: 55.880 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX012021.D
Acq: 03 Sep 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion: 75 Resp: 129805
Ion Ratio Lower Upper
75 100
77 31.0 25.1 37.7

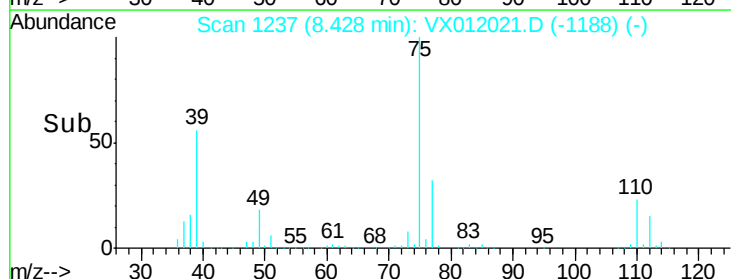
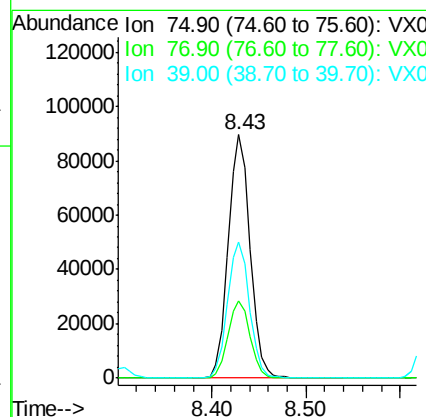
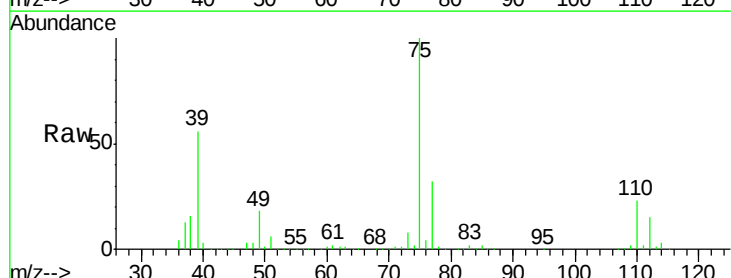
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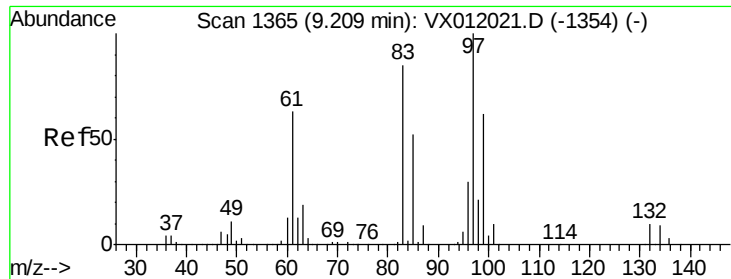
sam
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#54
cis-1,3-Dichloropropene
Concen: 55.146 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX012021.D
Acq: 03 Sep 2019 14:07

Tgt Ion: 75 Resp: 144189
Ion Ratio Lower Upper
75 100
77 31.8 25.5 38.3
39 55.9 43.0 64.4





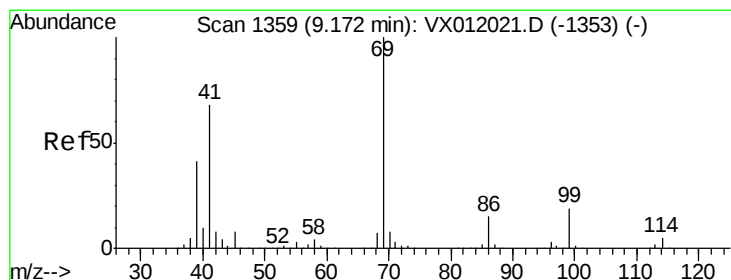
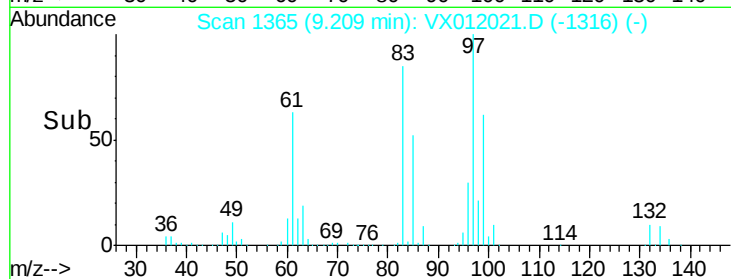
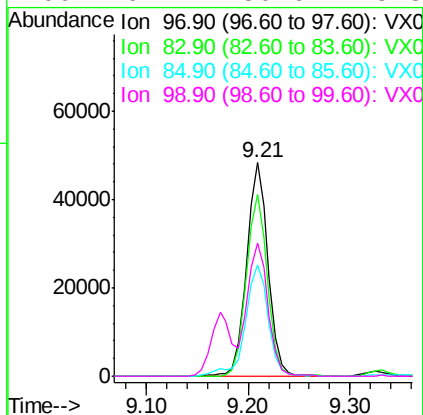
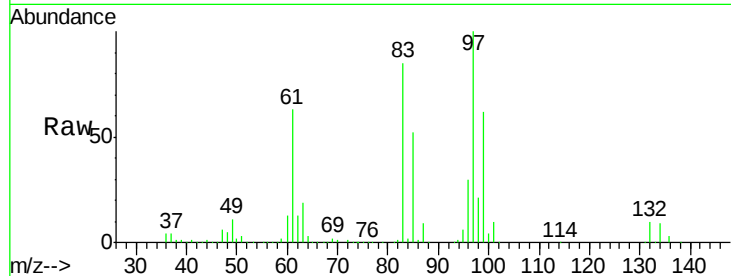
#55
 1,1,2-Trichloroethane
 Concen: 52.984 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012021.D
 Acq: 03 Sep 2019 14:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		70313		
83	85.1	66.0	99.0		
85	51.8	41.0	61.6		
99	62.2	50.6	75.8		

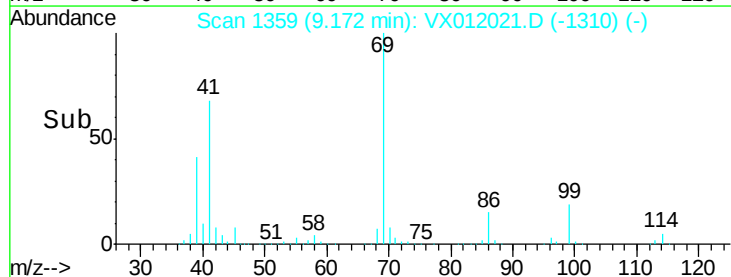
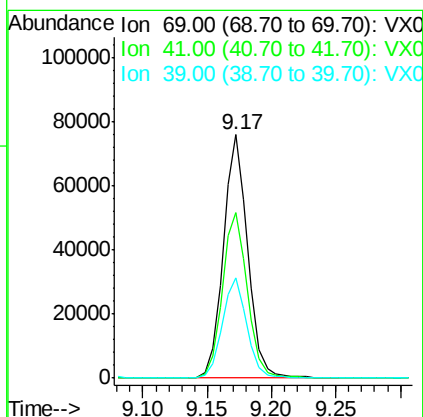
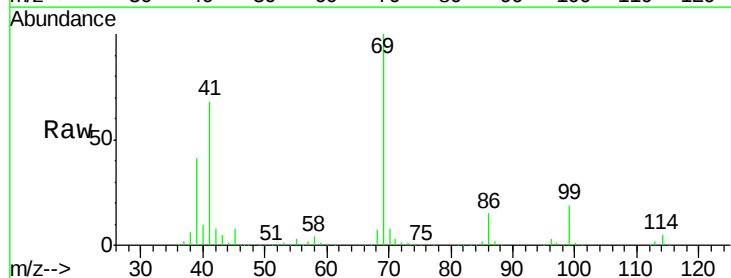
Manual Integrations
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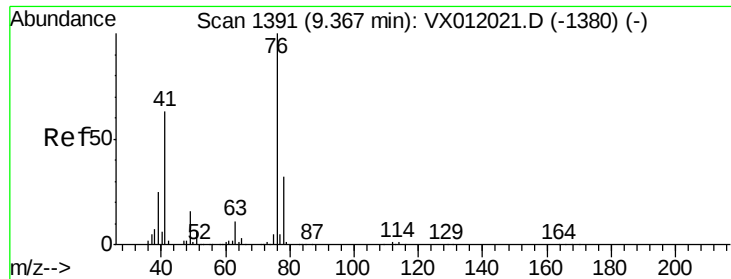
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#56
 Ethyl methacrylate
 Concen: 57.360 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012021.D
 Acq: 03 Sep 2019 14:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		101088		
41	69.3	53.9	80.9		
39	41.6	31.1	46.7		





#57

1,3-Dichloropropane

Concen: 55.509 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX012021.D

Acq: 03 Sep 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 120979

Ion Ratio Lower Upper

76 100

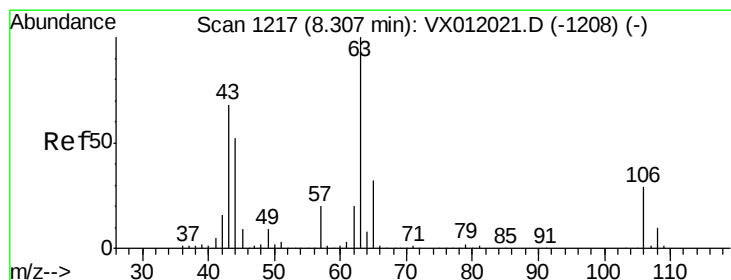
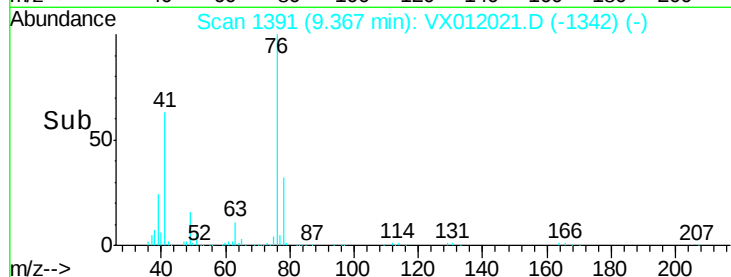
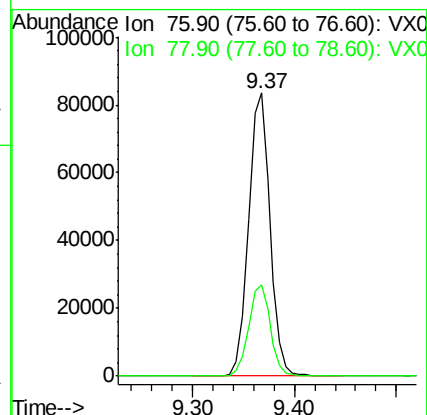
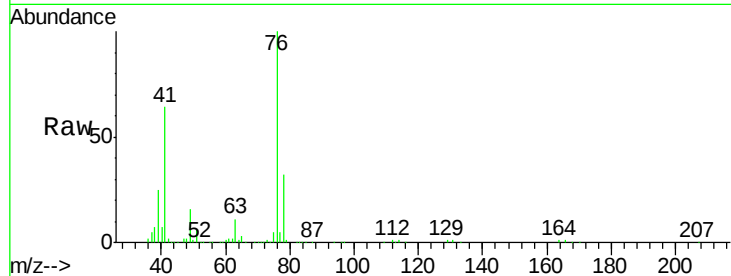
78 32.9 25.5 38.3

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 297.010 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX012021.D

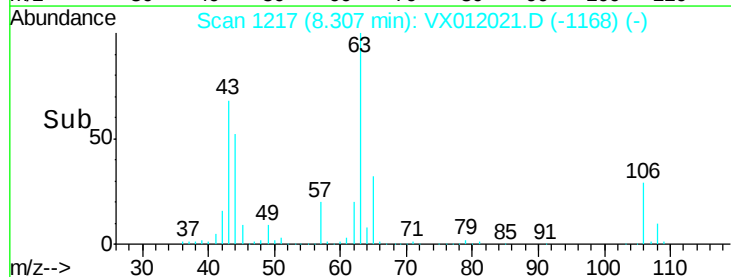
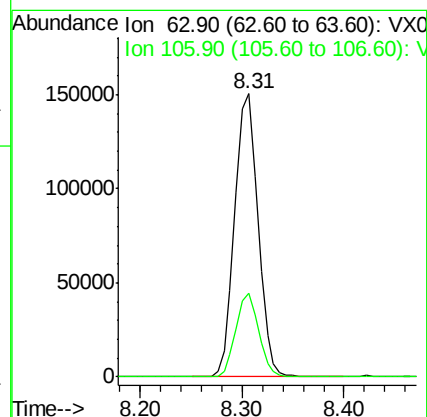
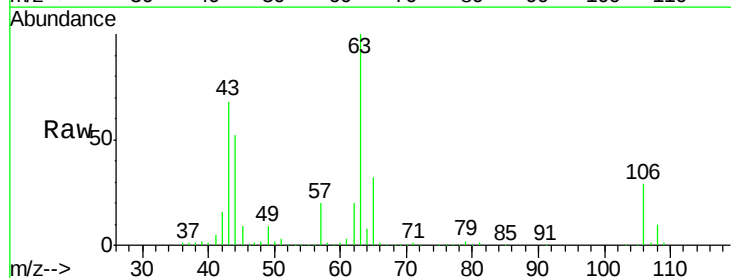
Acq: 03 Sep 2019 14:07

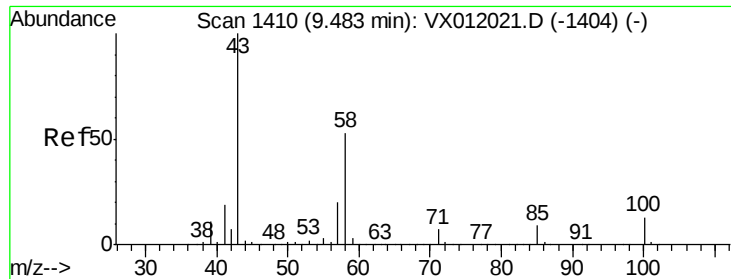
Tgt Ion: 63 Resp: 237865

Ion Ratio Lower Upper

63 100

106 29.1 26.5 39.7





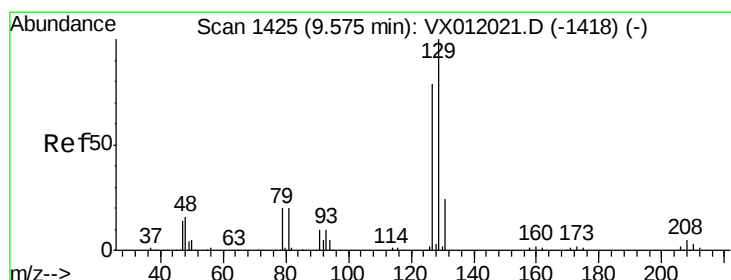
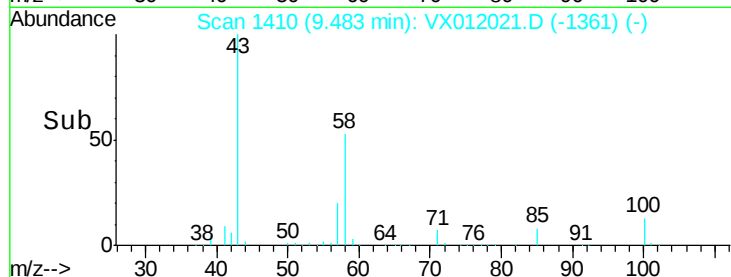
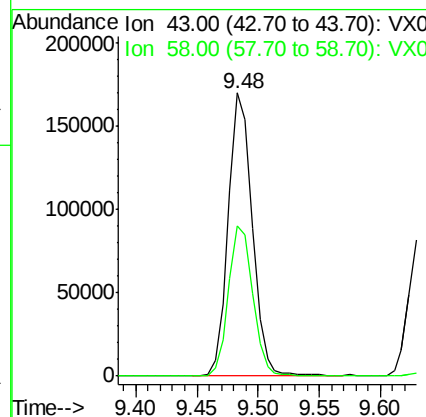
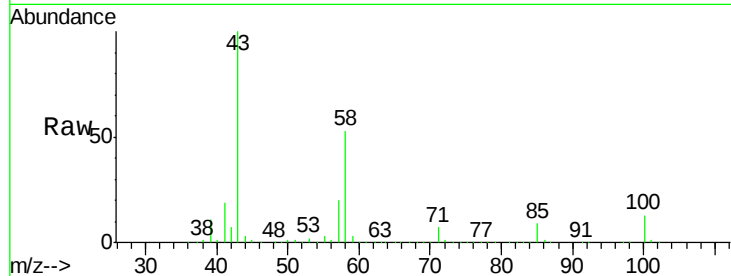
#59
2-Hexanone
Concen: 299.533 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX012021.D
Acq: 03 Sep 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 231391
Ion Ratio Lower Upper
43 100
58 54.5 27.2 81.6

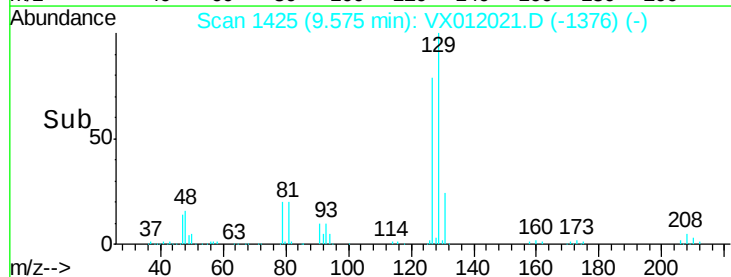
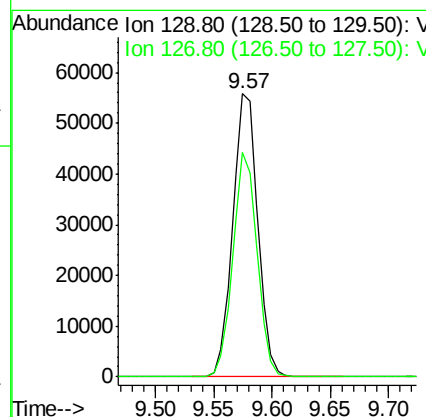
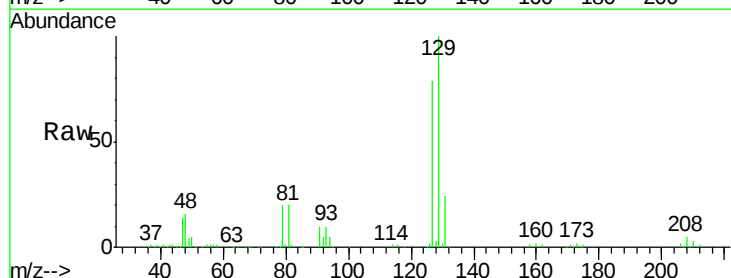
Manual Integrations
APPROVED

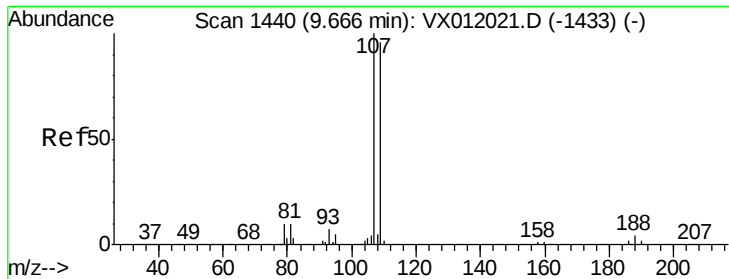
sam
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#60
Dibromochloromethane
Concen: 45.245 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX012021.D
Acq: 03 Sep 2019 14:07

Tgt Ion: 129 Resp: 83467
Ion Ratio Lower Upper
129 100
127 76.8 38.1 114.5





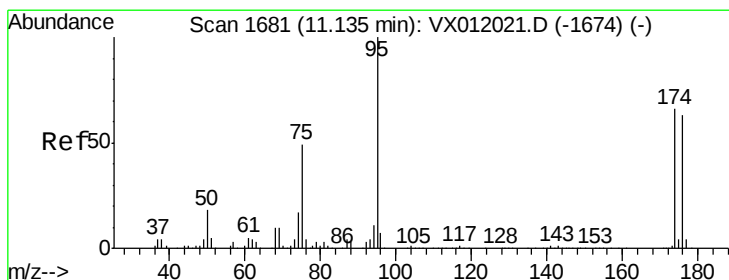
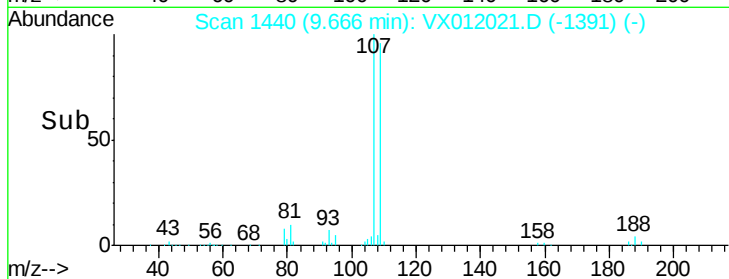
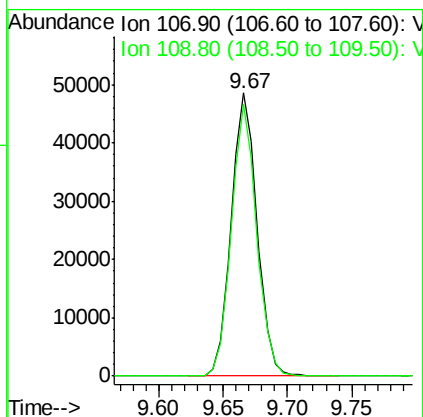
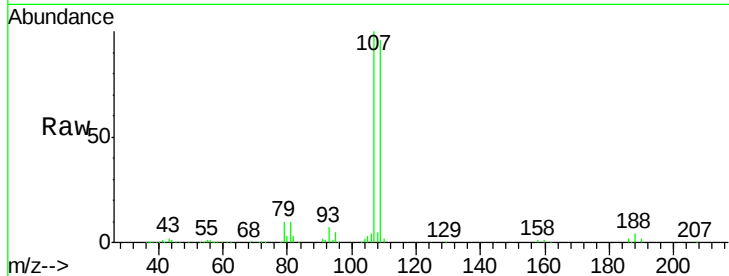
#61
 1,2-Dibromoethane
 Concen: 51.647 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VX012021.D
 Acq: 03 Sep 2019 14:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	76.9	115.3

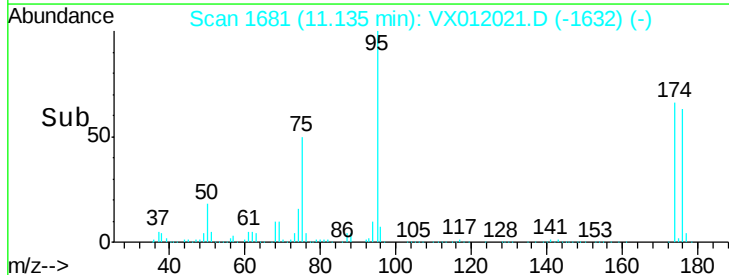
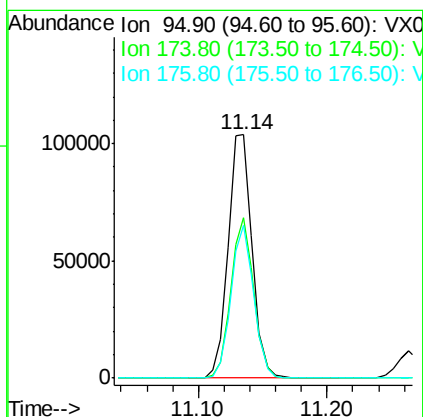
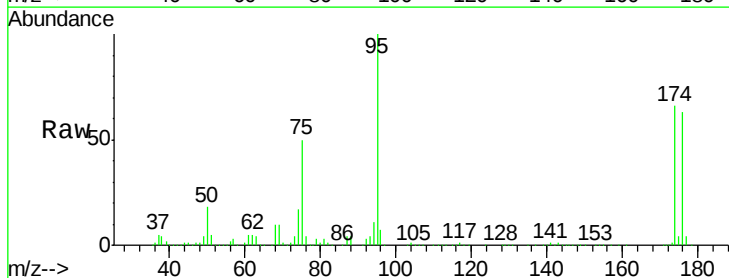
Manual Integrations
 APPROVED

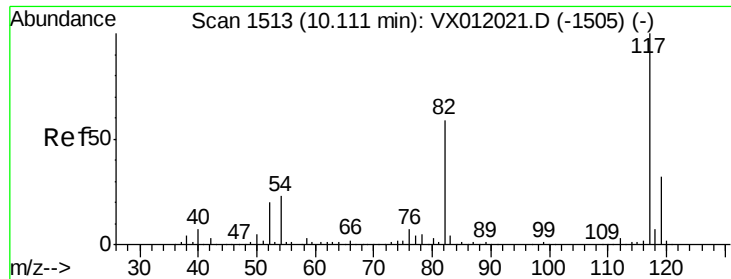
sam
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#62
 4-Bromofluorobenzene
 Concen: 49.797 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.00 min
 Lab File: VX012021.D
 Acq: 03 Sep 2019 14:07

Tgt Ion	Ratio	Lower	Upper
95	100		
174	62.6	0.0	205.4
176	59.5	0.0	201.8





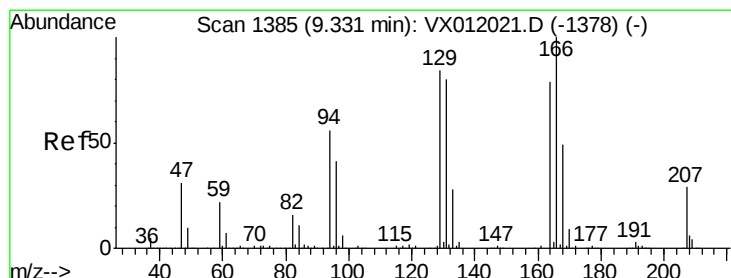
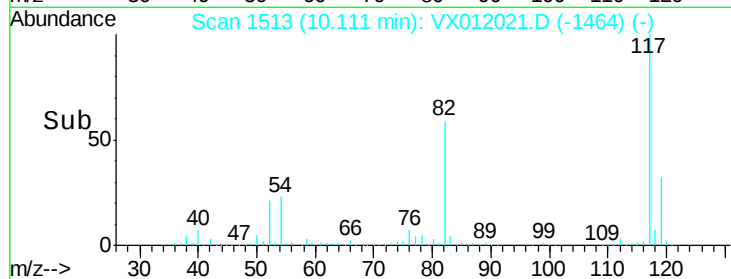
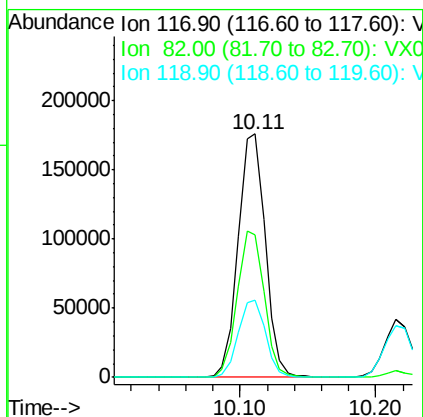
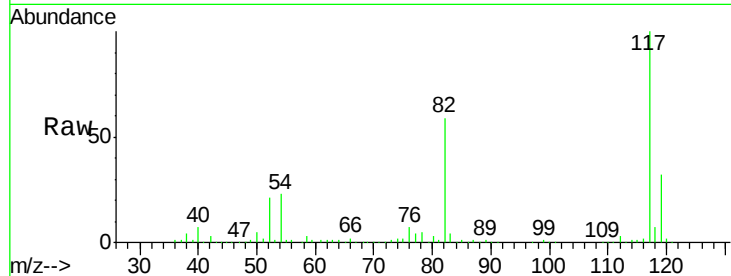
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012021.D
Acq: 03 Sep 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.7	39.4	59.0
119	31.7	26.1	39.1

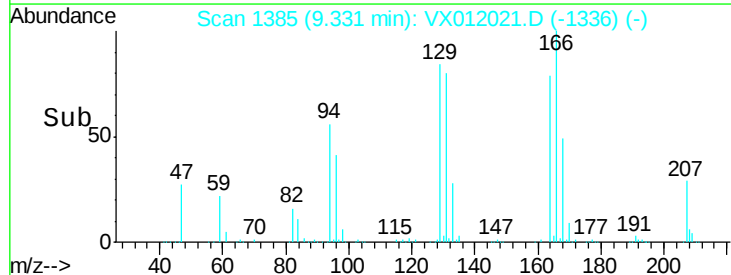
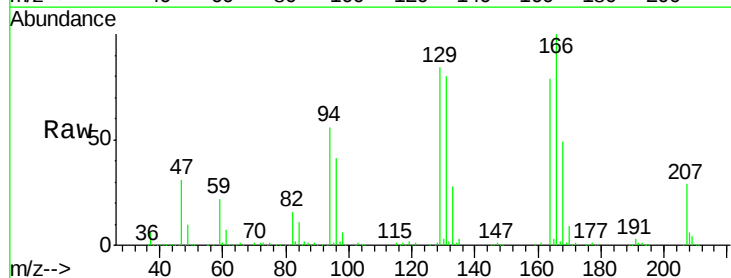
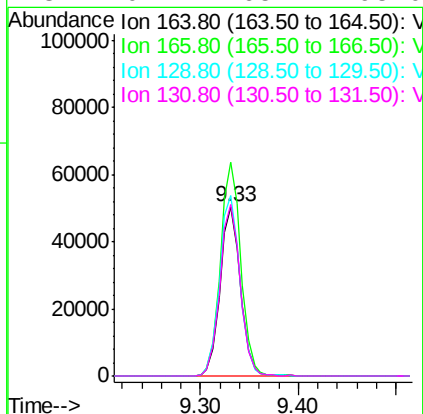
Manual Integrations
APPROVED

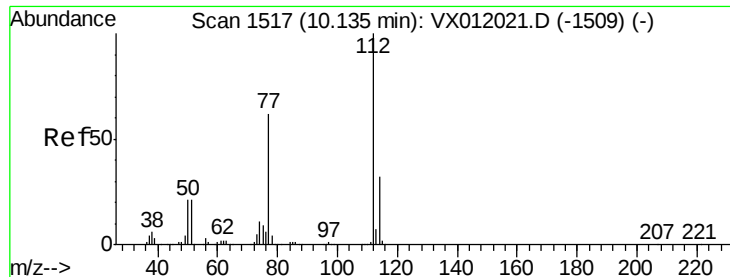
sam
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#64
Tetrachloroethene
Concen: 35.951 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012021.D
Acq: 03 Sep 2019 14:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.1	104.3	156.5
129	106.4	68.3	102.5#
131	101.4	65.4	98.0#





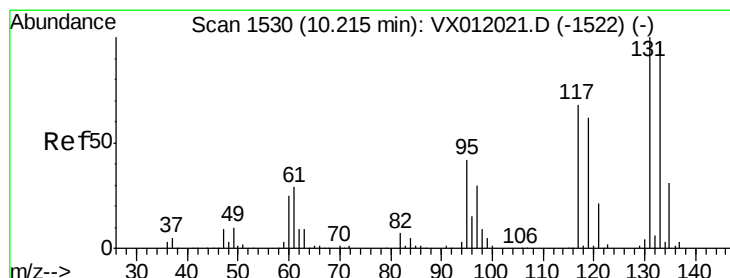
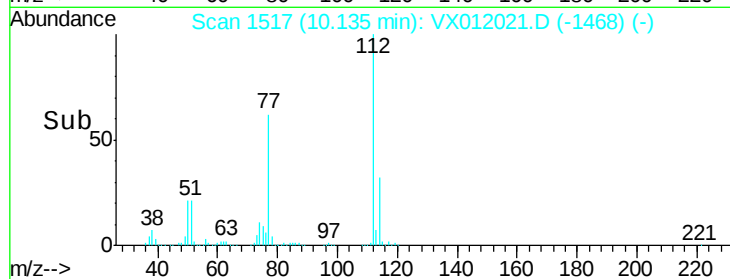
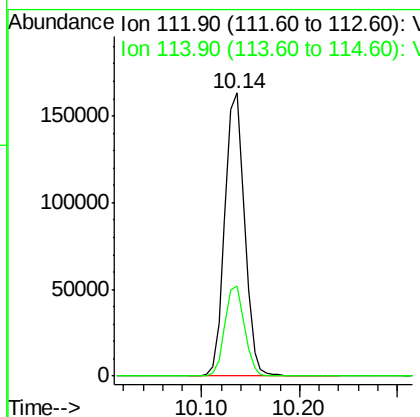
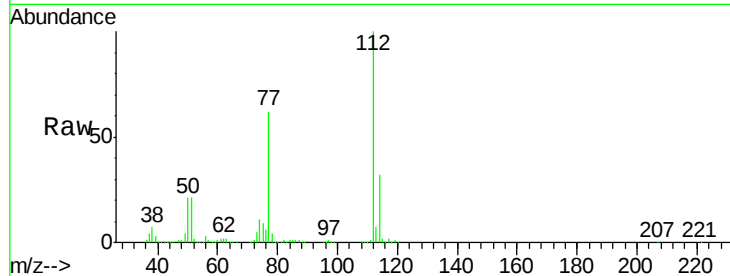
#65
Chlorobenzene
Concen: 49.616 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX012021.D
Acq: 03 Sep 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 230146
Ion Ratio Lower Upper
112 100
114 31.7 26.2 39.2

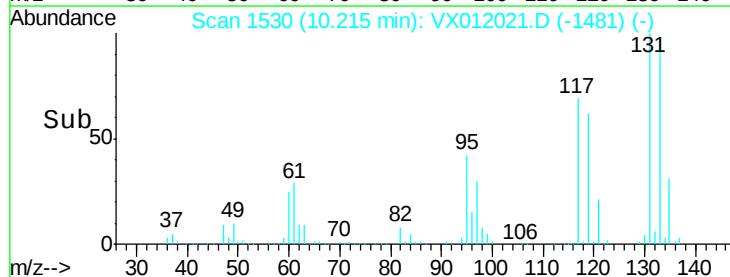
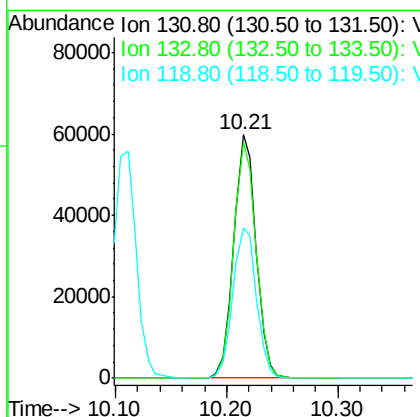
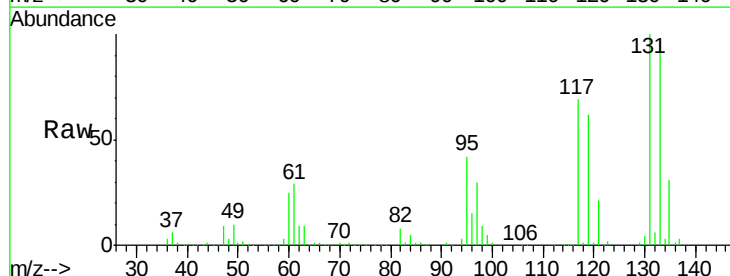
Manual Integrations
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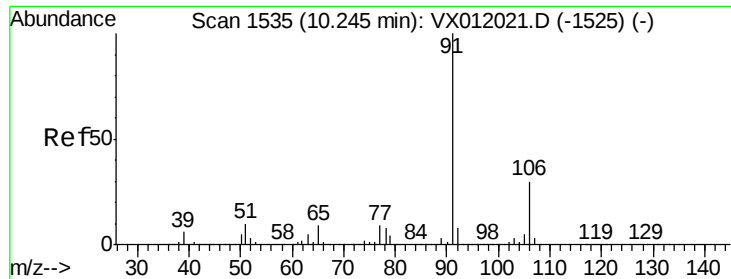
sam
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#66
1,1,1,2-Tetrachloroethane
Concen: 44.632 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX012021.D
Acq: 03 Sep 2019 14:07

Tgt Ion:131 Resp: 83079
Ion Ratio Lower Upper
131 100
133 97.2 48.4 145.0
119 64.9 30.5 91.5





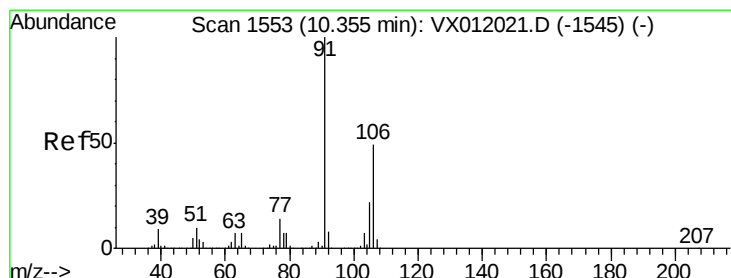
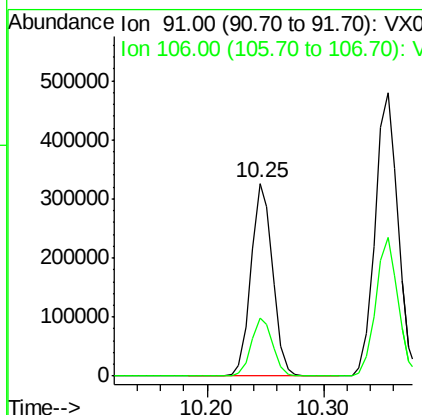
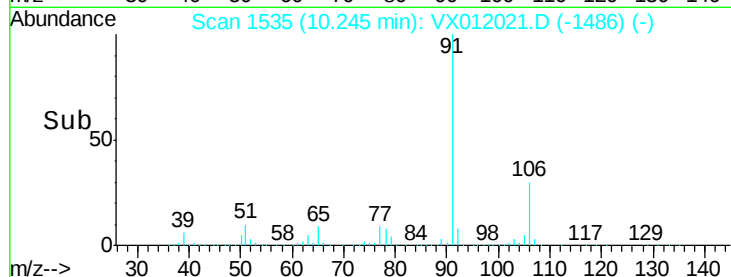
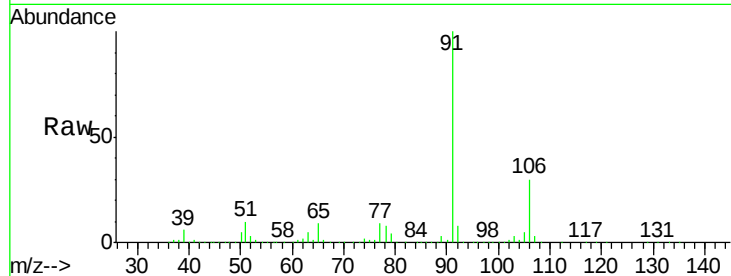
#67
Ethyl Benzene
Concen: 53.939 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012021.D
Acq: 03 Sep 2019 14:07

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC050

Tot Ion: 91 Resp: 422689
Ion Ratio Lower Upper
91 100
106 30.3 25.8 38.8

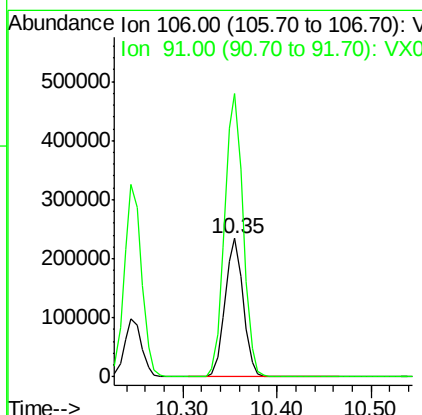
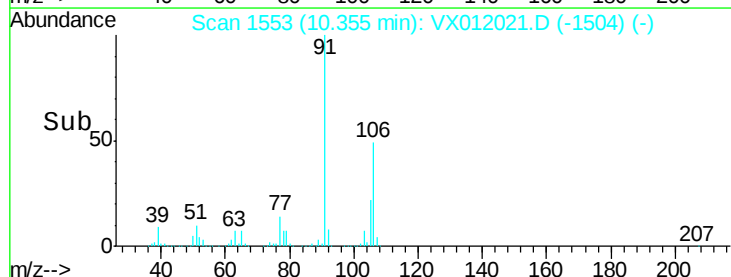
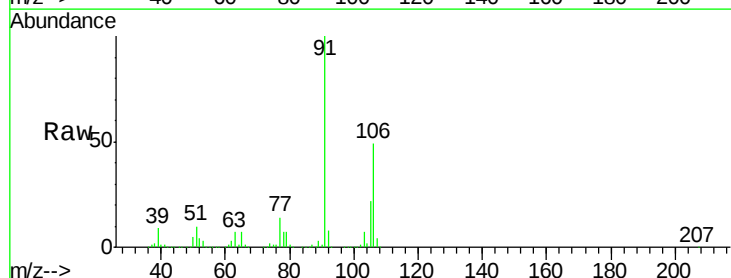
Manual Integrations
APPROVED

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#68
m/p-Xylenes
Concen: 101.922 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012021.D
Acq: 03 Sep 2019 14:07

Tgt Ion: 106 Resp: 313631
Ion Ratio Lower Upper
106 100
91 208.6 157.5 236.3





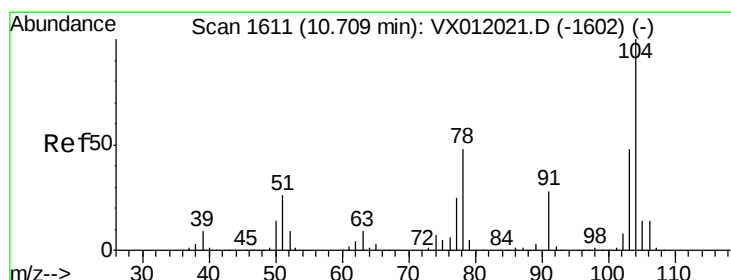
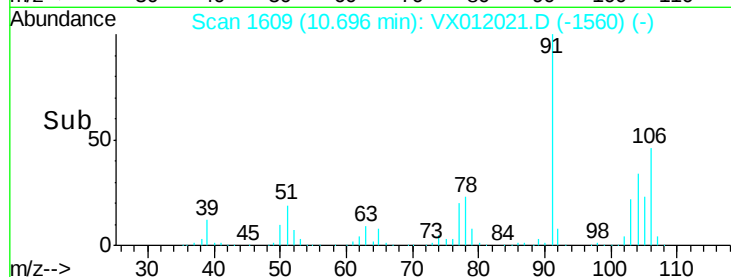
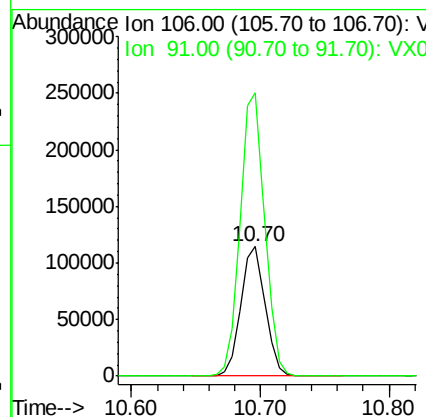
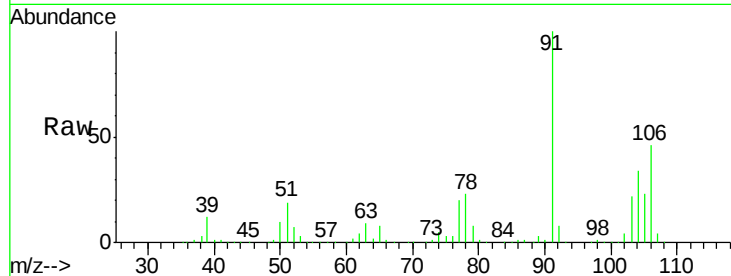
#69
o-Xylene
Concen: 50.425 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012021.D
Acq: 03 Sep 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 150519
Ion Ratio Lower Upper
106 100
91 220.7 103.5 310.3

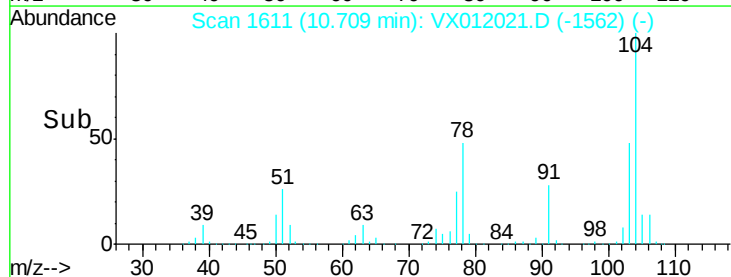
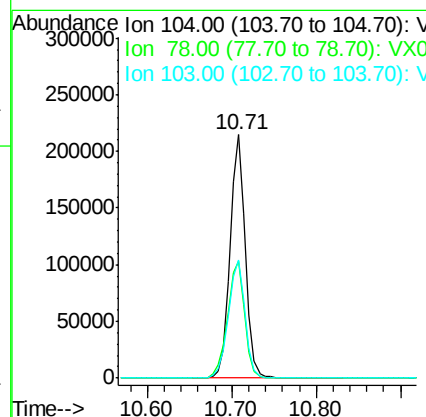
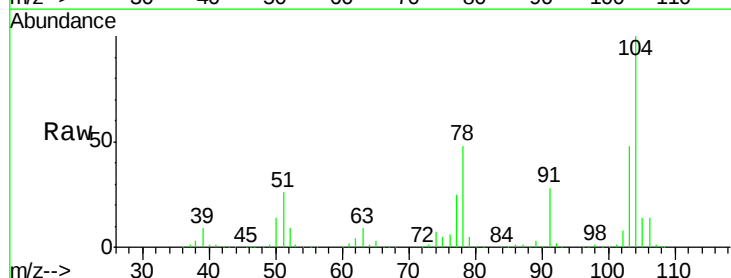
Manual Integrations
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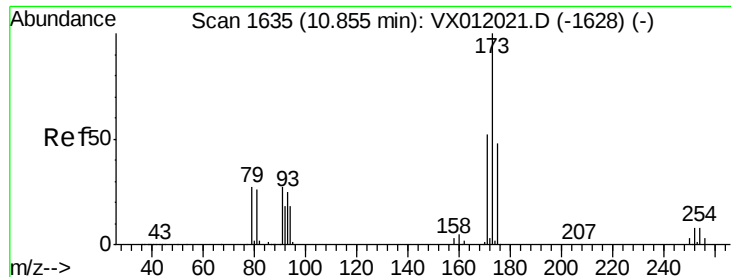
sam
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#70
Styrene
Concen: 52.143 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012021.D
Acq: 03 Sep 2019 14:07

Tgt Ion:104 Resp: 267049
Ion Ratio Lower Upper
104 100
78 54.3 39.1 58.7
103 53.6 43.4 65.2





#71

Bromoform

Concen: 36.217 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX012021.D

Acq: 03 Sep 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 46776

Ion Ratio Lower Upper

173 100

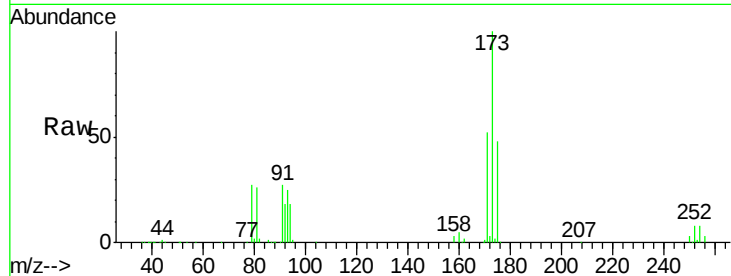
175 48.2 24.9 74.7

254 0.0 0.1 0.1#

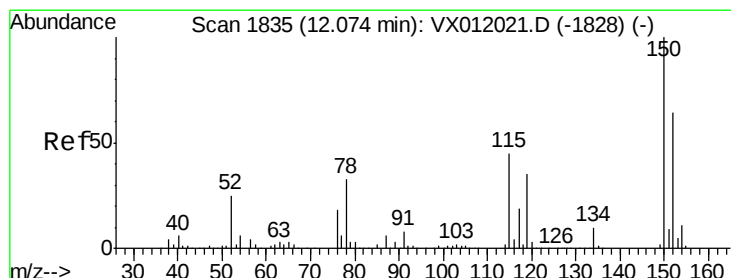
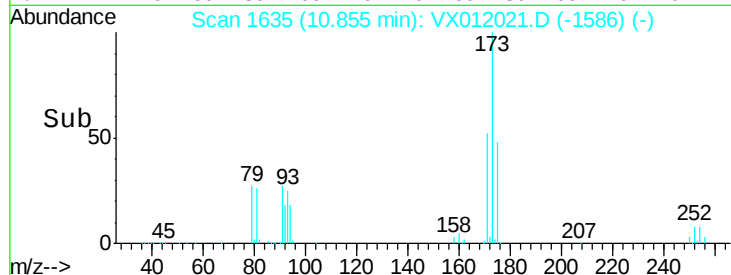
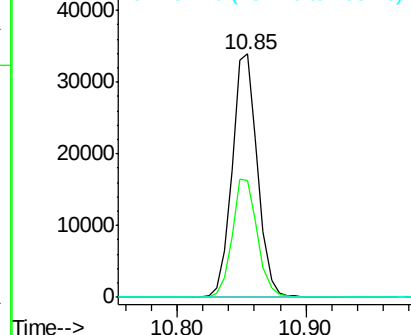
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012021.D

Acq: 03 Sep 2019 14:07

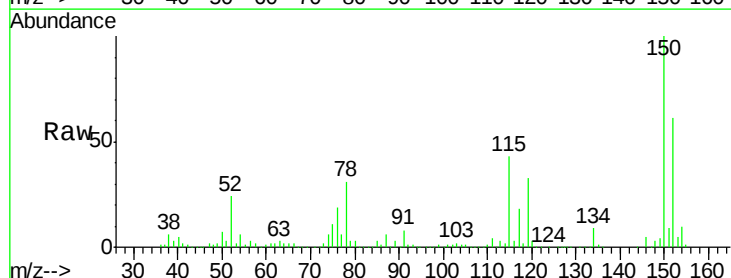
Tgt Ion:152 Resp: 118096

Ion Ratio Lower Upper

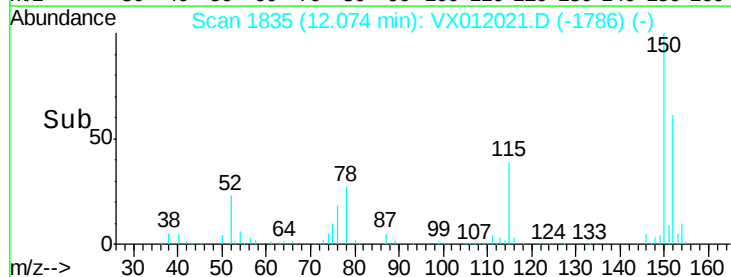
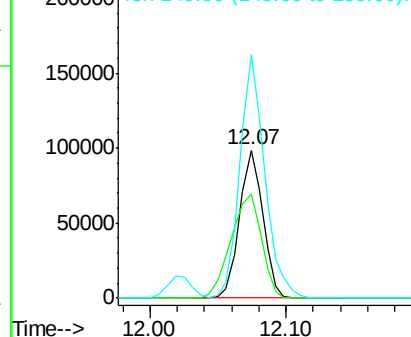
152 100

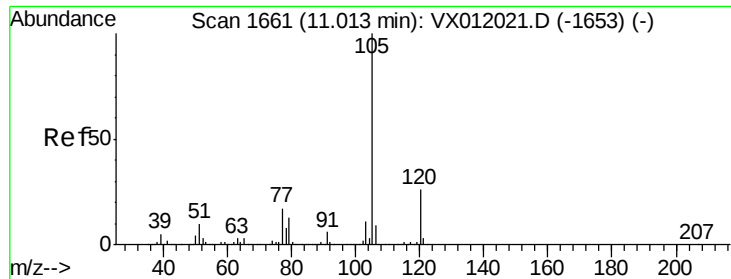
115 91.0 36.4 109.3

150 175.5 0.0 341.2



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: 62.378 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012021.D

Acq: 03 Sep 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 105 Resp: 411088

Ion Ratio Lower Upper

105 100

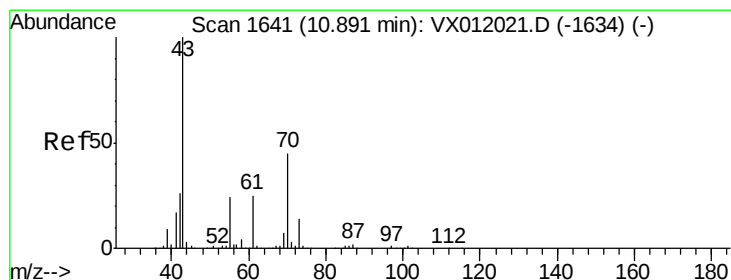
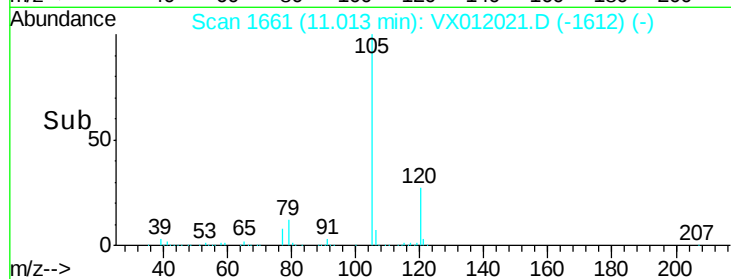
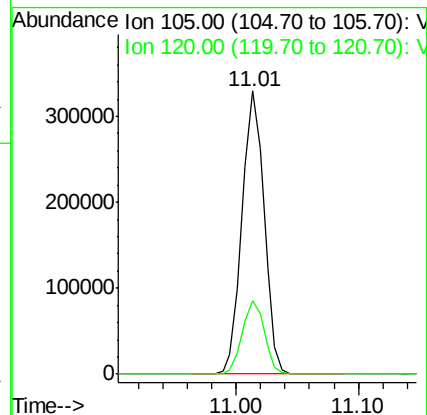
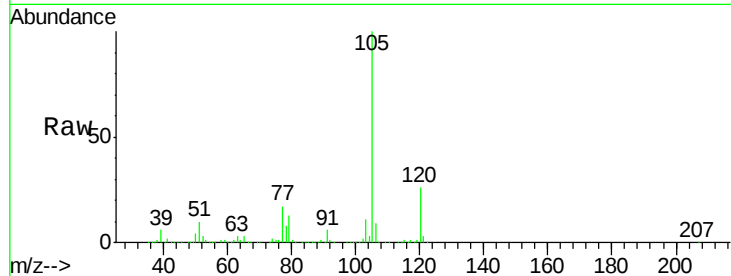
120 25.8 13.9 41.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 73.771 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012021.D

Acq: 03 Sep 2019 14:07

Tgt Ion: 43 Resp: 121228

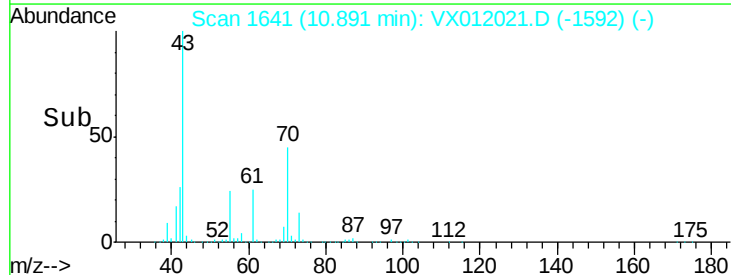
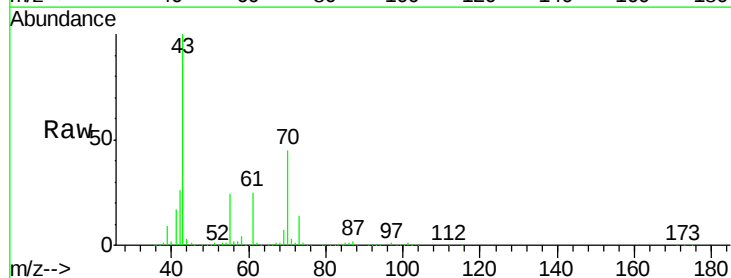
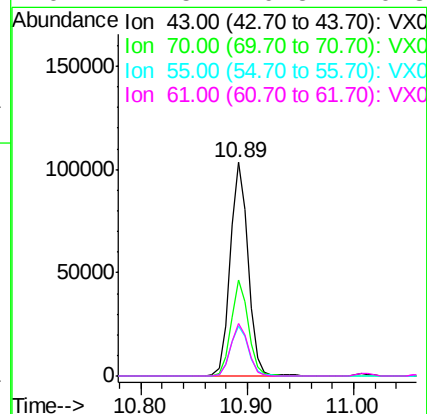
Ion Ratio Lower Upper

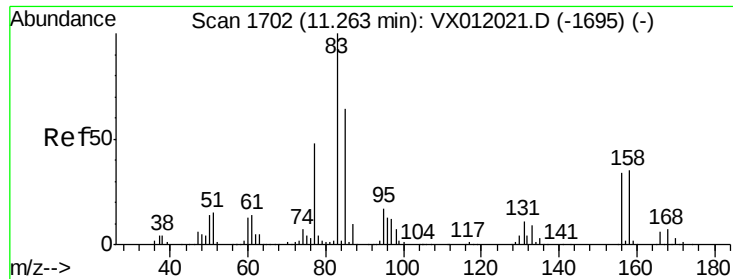
43 100

70 43.4 34.4 51.6

55 24.0 18.5 27.7

61 24.5 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 69.811 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012021.D

Acq: 03 Sep 2019 14:07

Instrument :

MSVOA_X

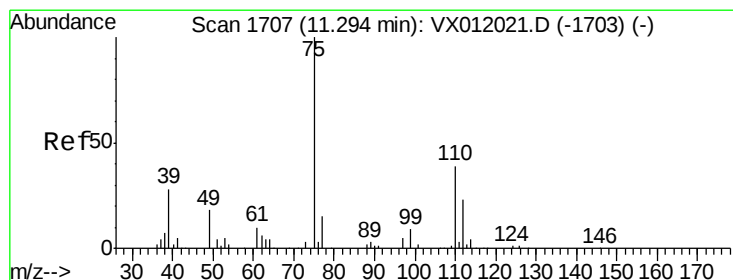
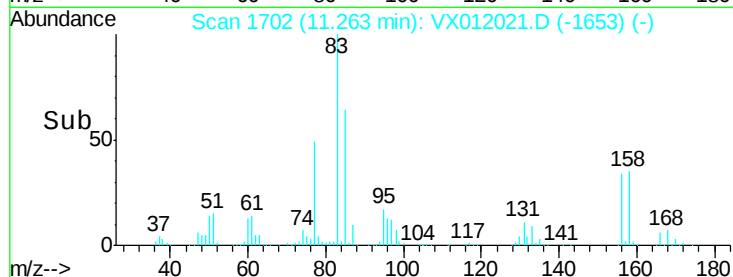
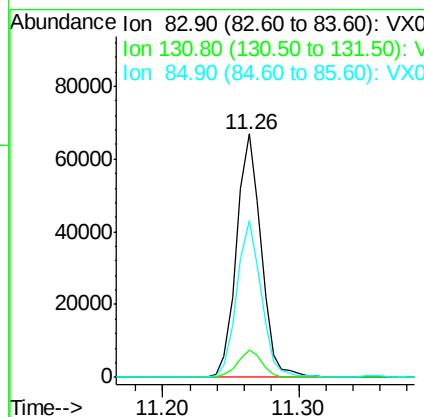
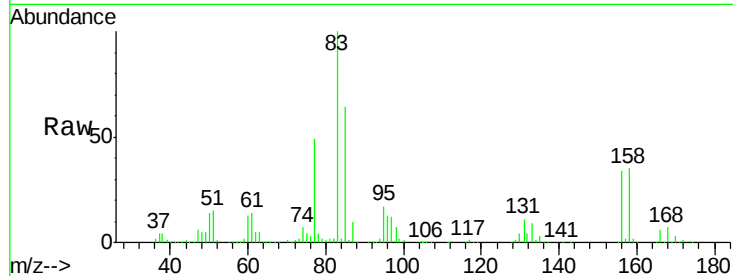
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	84227
Ion Ratio	Lower	Upper	
83	100		
131	10.9	6.3	19.1
85	64.4	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 70.977 ug/l m

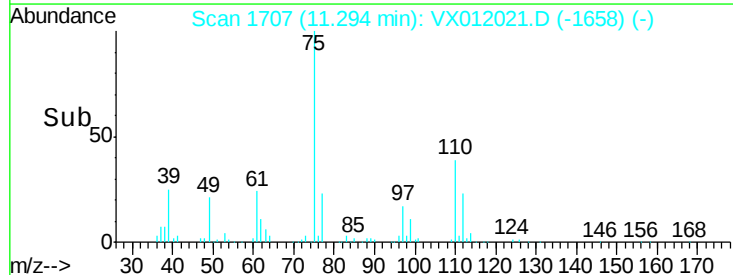
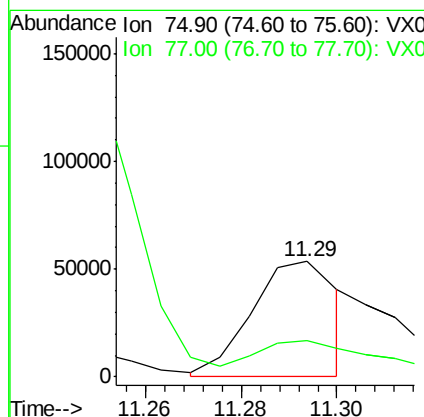
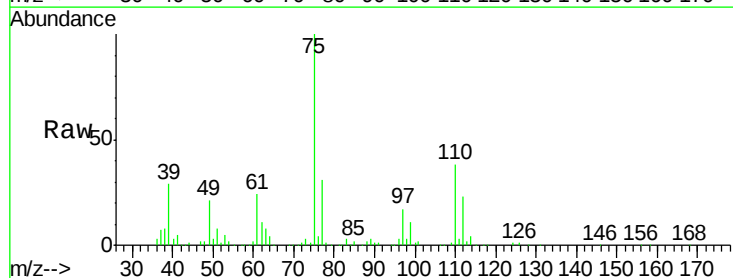
RT: 11.29 min Scan# 1707

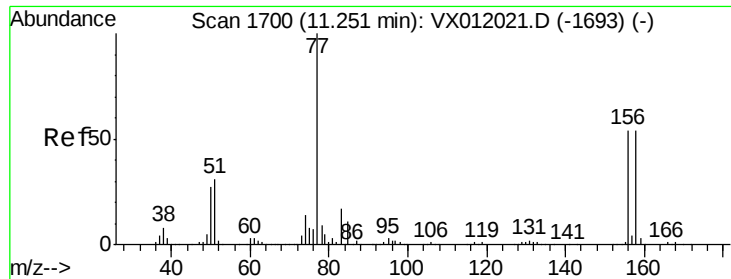
Delta R.T. -0.00 min

Lab File: VX012021.D

Acq: 03 Sep 2019 14:07

Tgt Ion:	75	Resp:	66351
Ion Ratio	Lower	Upper	
75	100		
77	45.2	23.5	70.5





#77

Bromobenzene

Concen: 48.042 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012021.D

Acq: 03 Sep 2019 14:07

Instrument :

MSVOA_X

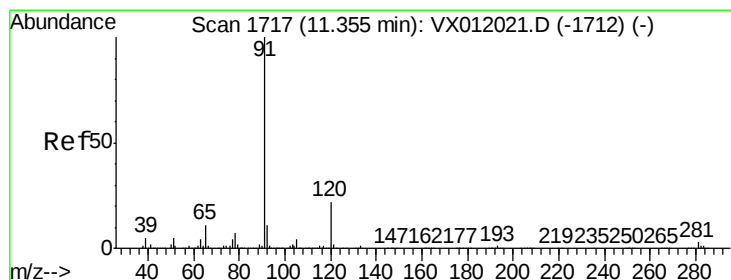
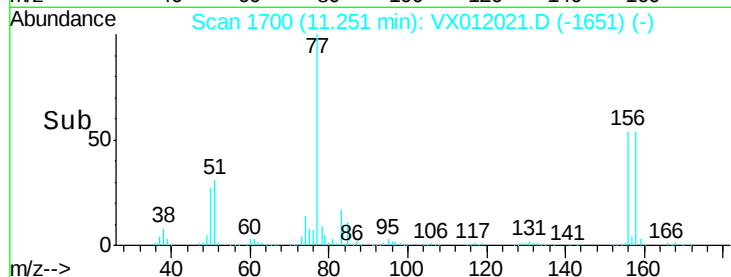
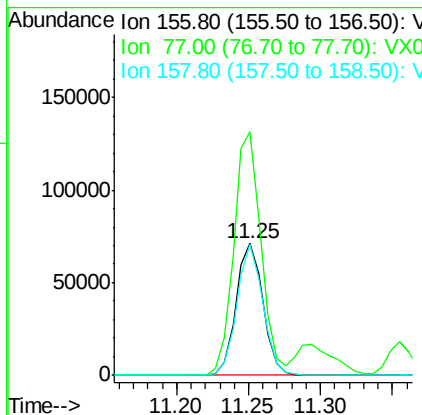
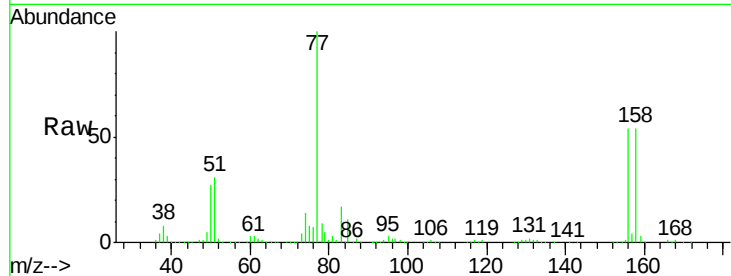
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	187.1	63.4	190.2
158	95.8	48.9	146.6

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#78

n-propylbenzene

Concen: 66.419 ug/l

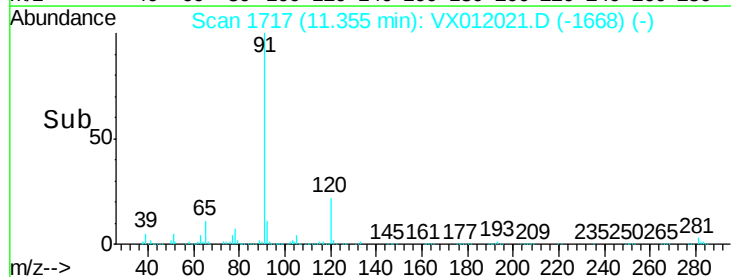
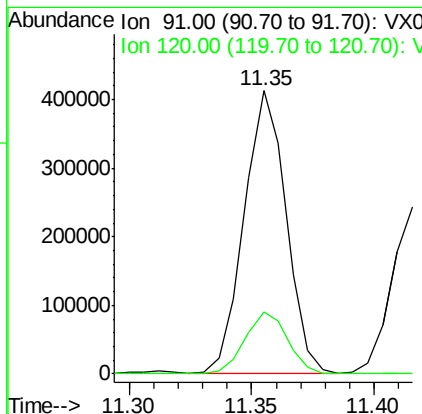
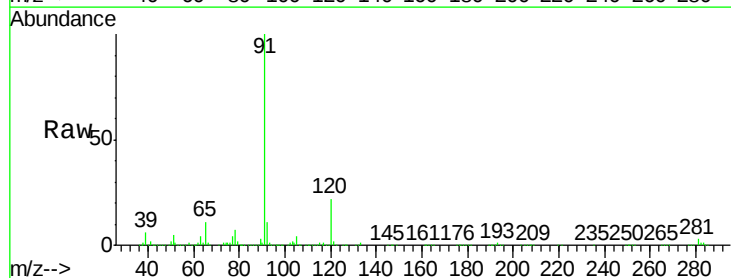
RT: 11.35 min Scan# 1717

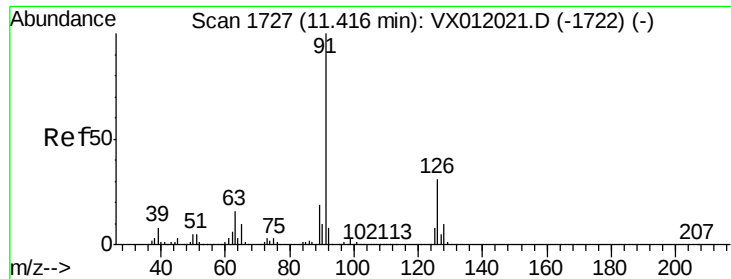
Delta R.T. -0.00 min

Lab File: VX012021.D

Acq: 03 Sep 2019 14:07

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	12.7	38.0





#79

2-Chlorotoluene

Concen: 66.845 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012021.D

Acq: 03 Sep 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 293482

Ion Ratio Lower Upper

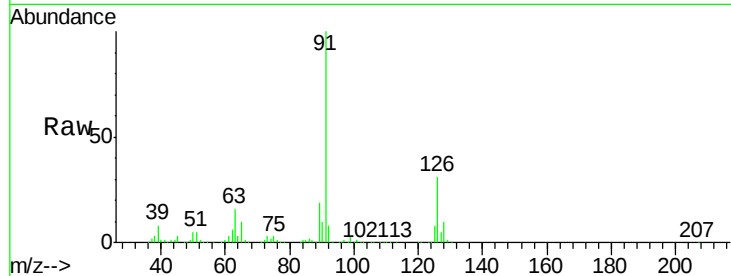
91 100

126 31.8 18.6 55.8

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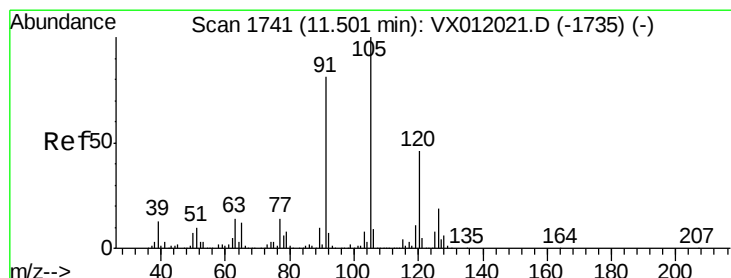
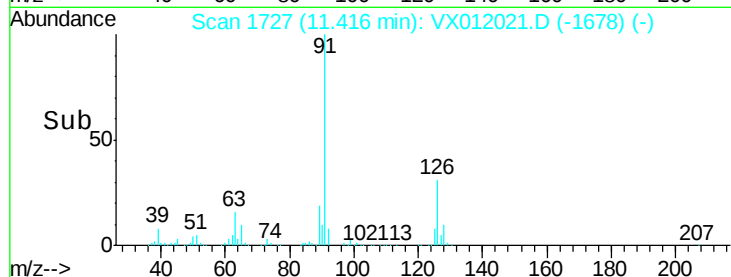
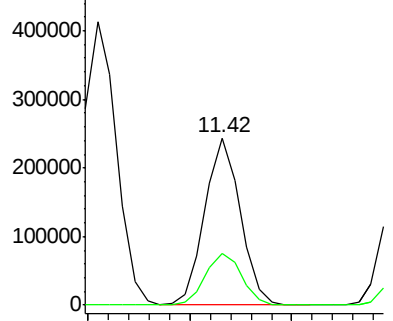
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Abundance Ion 91.00 (90.70 to 91.70): VX012021.D (-1722) (-)

Ion 125.90 (125.60 to 126.60): VX012021.D (-1722) (-)



#80

1,3,5-Trimethylbenzene

Concen: 62.719 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX012021.D

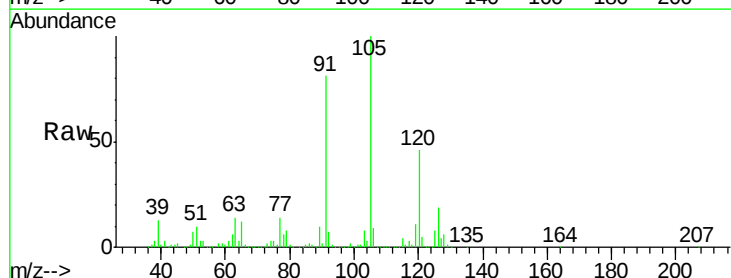
Acq: 03 Sep 2019 14:07

Tgt Ion: 105 Resp: 356553

Ion Ratio Lower Upper

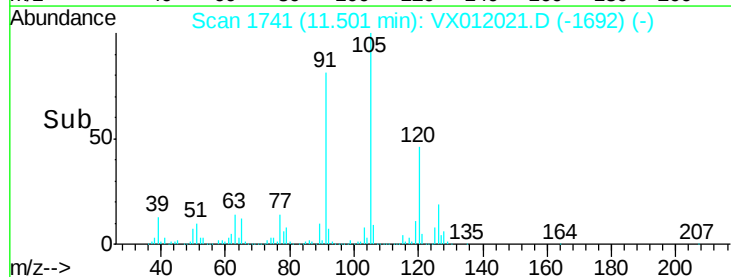
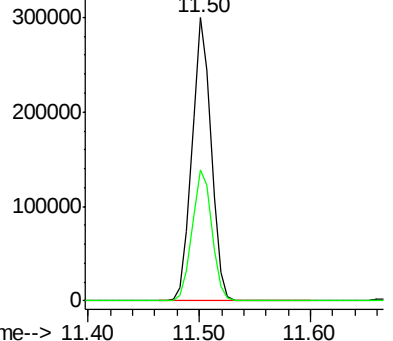
105 100

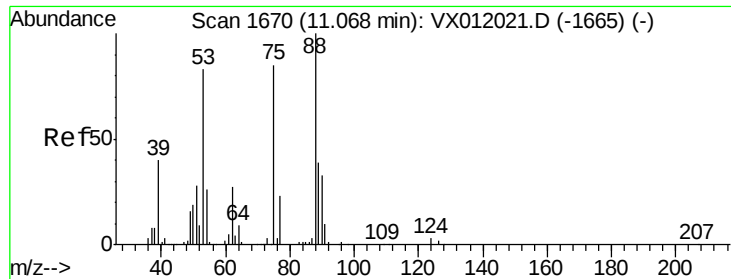
120 47.5 25.8 77.3



Abundance Ion 105.00 (104.70 to 105.70): VX012021.D (-1735) (-)

Ion 120.00 (119.70 to 120.70): VX012021.D (-1735) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 71.251 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX012021.D

Acq: 03 Sep 2019 14:07

Instrument :

MSVOA_X

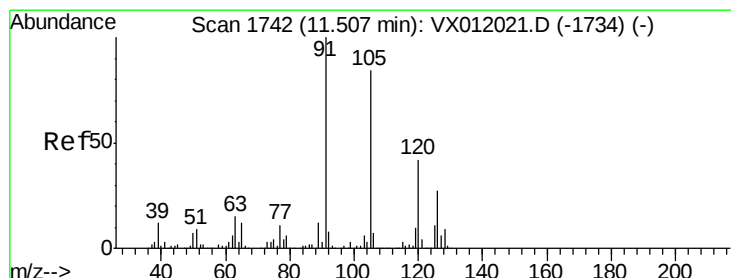
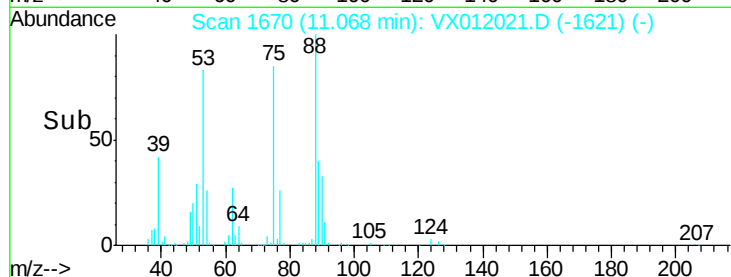
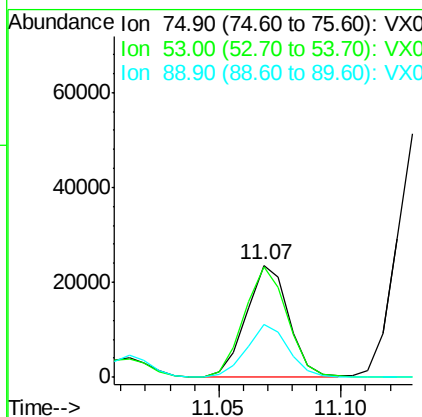
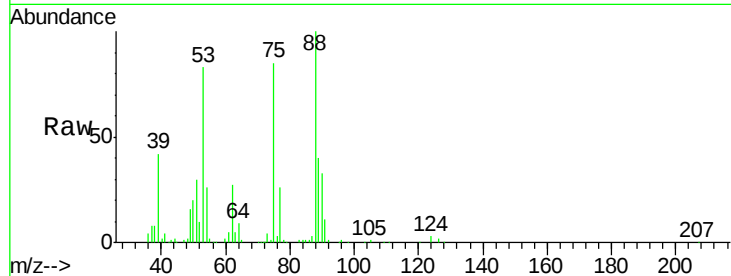
ClientSampleId :

VSTDICCC050

Tot Ion:	75	Resp:	28235
Ion	Ratio	Lower	Upper
75	100		
53	101.0	78.6	117.8
89	47.8	38.8	58.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 68.423 ug/l

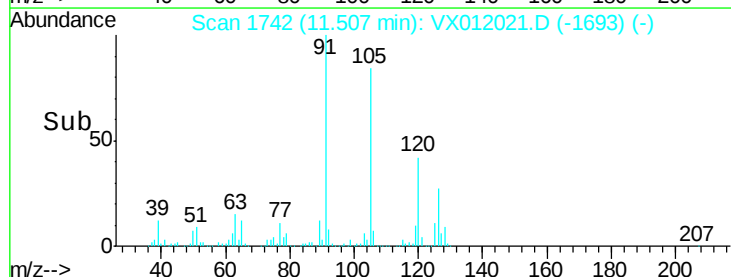
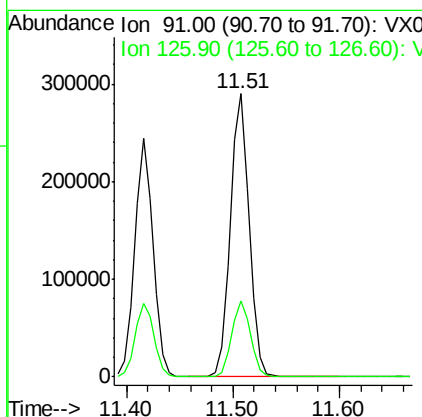
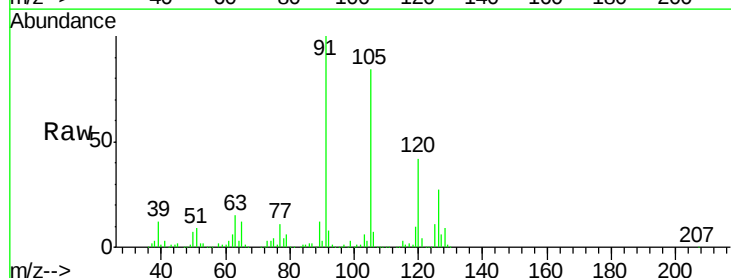
RT: 11.51 min Scan# 1742

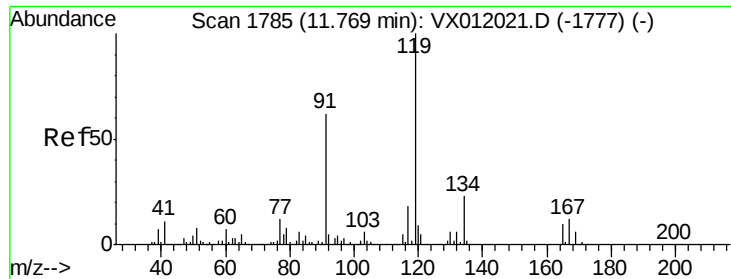
Delta R.T. -0.00 min

Lab File: VX012021.D

Acq: 03 Sep 2019 14:07

Tgt Ion:	91	Resp:	360467
Ion	Ratio	Lower	Upper
91	100		
126	26.9	16.2	48.6





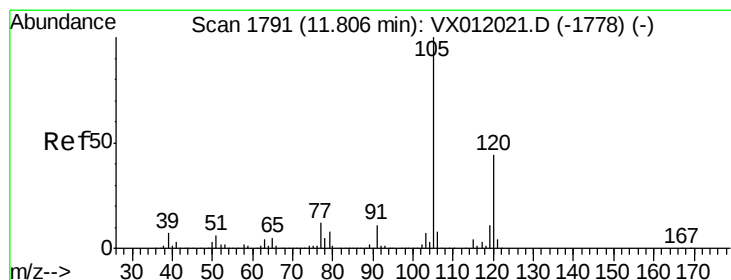
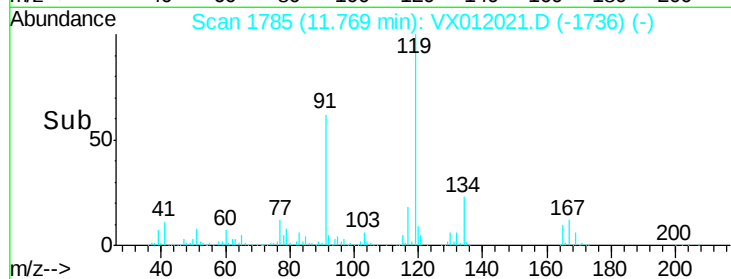
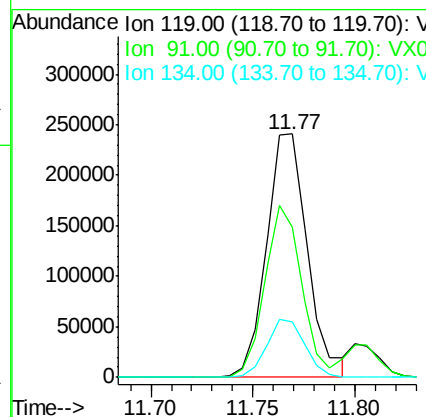
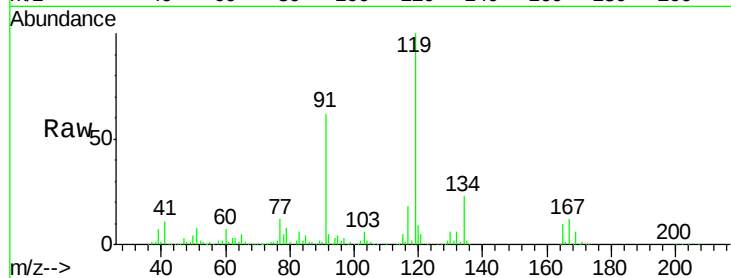
#83
 tert-Butylbenzene
 Concen: 57.390 ug/l
 RT: 11.77 min Scan# 1785
 Delta R.T. -0.00 min
 Lab File: VX012021.D
 Acq: 03 Sep 2019 14:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.4	27.1	81.2
134	22.4	12.1	36.3

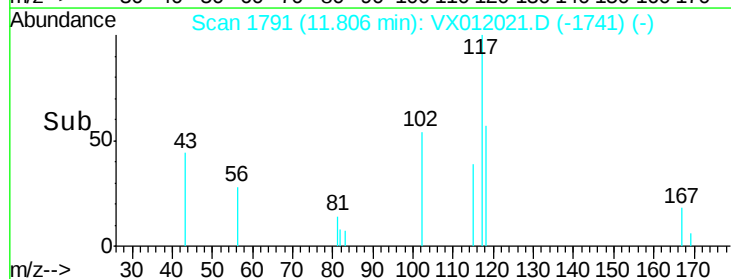
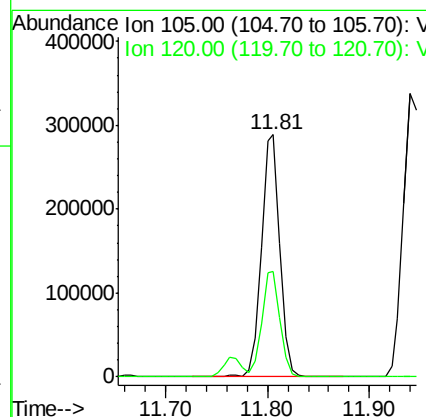
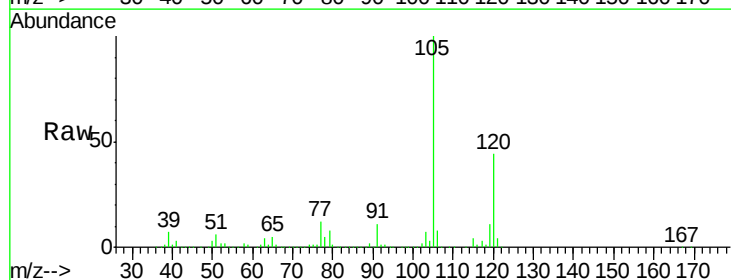
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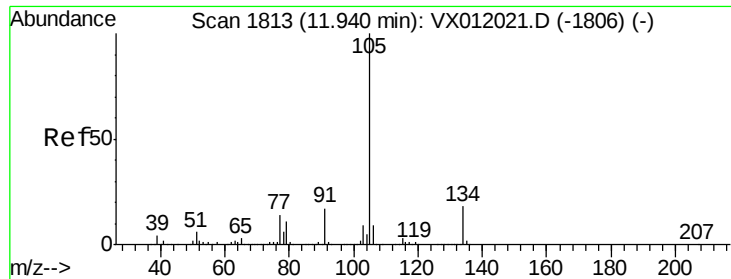
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#84
 1,2,4-Trimethylbenzene
 Concen: 63.888 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.01 min
 Lab File: VX012021.D
 Acq: 03 Sep 2019 14:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.0	23.6	70.8





#85

sec-Butylbenzene

Concen: 62.485 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012021.D

Acq: 03 Sep 2019 14:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 421754

Ion Ratio Lower Upper

105 100

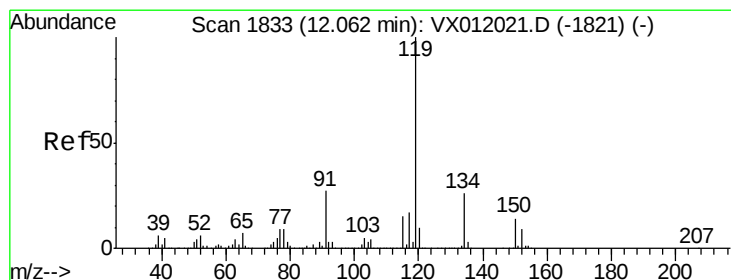
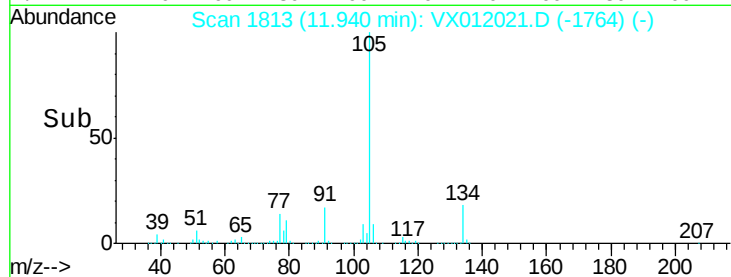
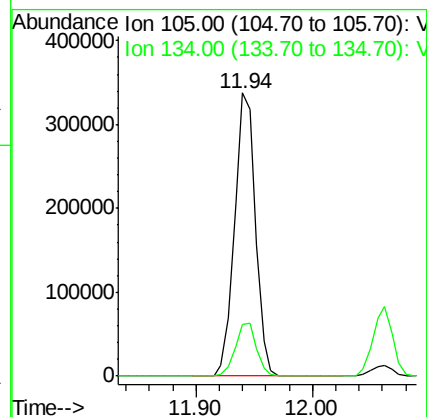
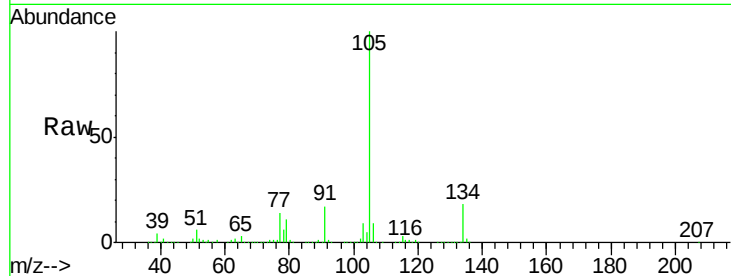
134 19.2 11.2 33.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 57.525 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012021.D

Acq: 03 Sep 2019 14:07

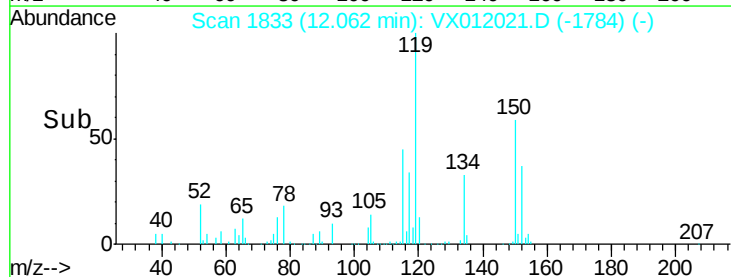
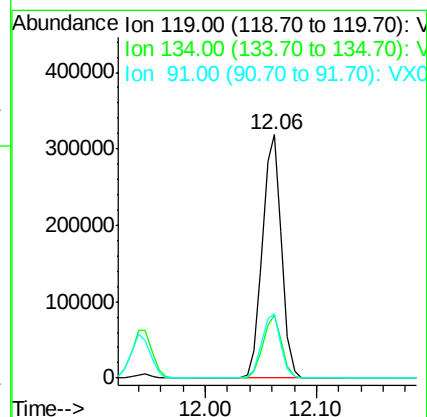
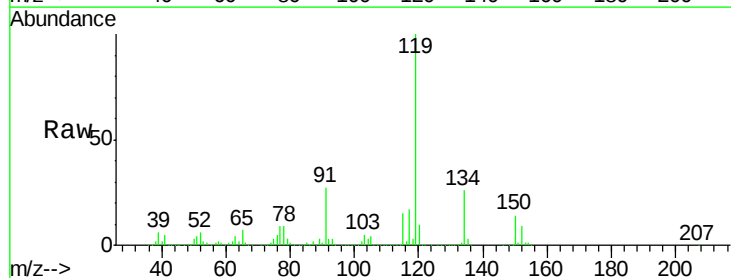
Tgt Ion:119 Resp: 380153

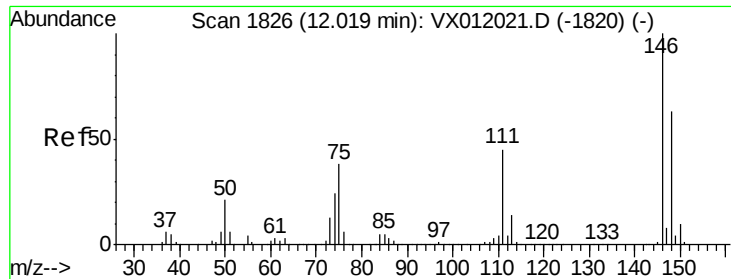
Ion Ratio Lower Upper

119 100

134 25.5 13.7 41.1

91 26.5 11.4 34.1





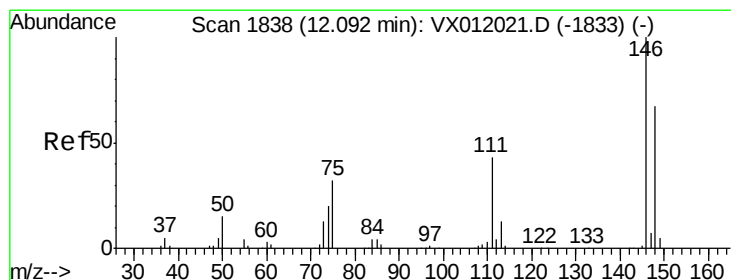
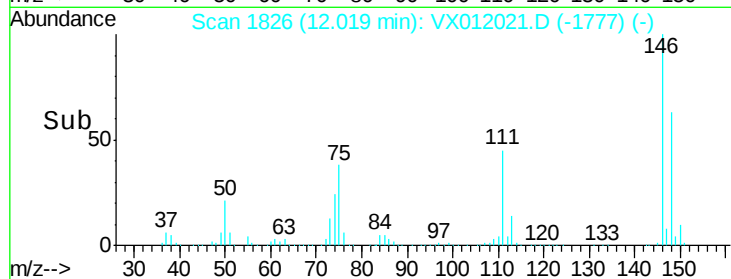
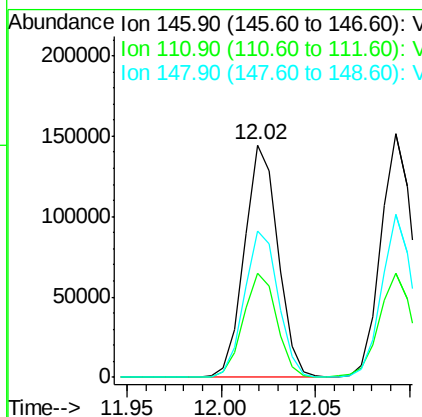
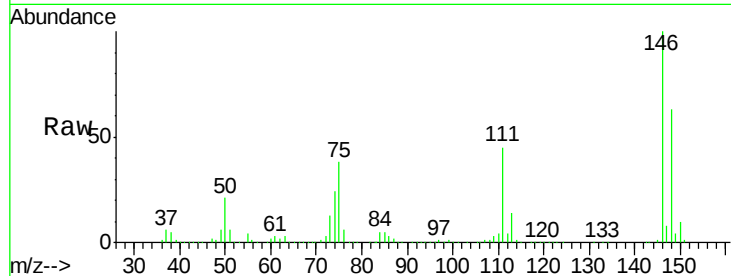
#87
 1,3-Dichlorobenzene
 Concen: 49.419 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012021.D
 Acq: 03 Sep 2019 14:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.8	18.1	54.1
148	63.5	32.6	97.8

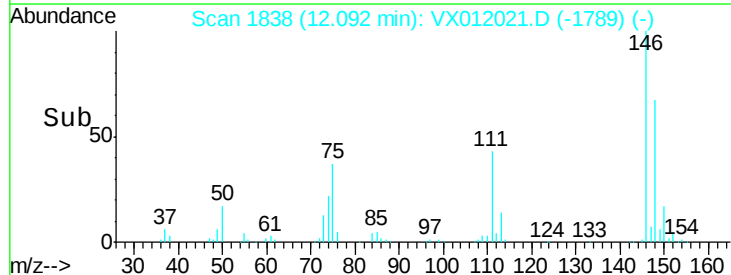
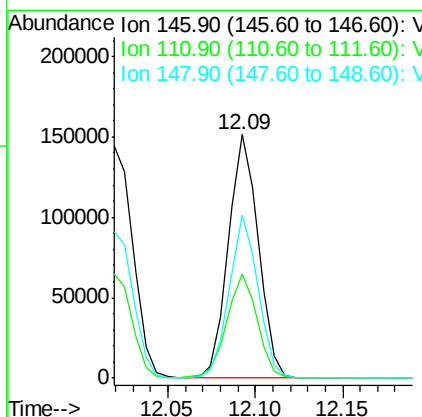
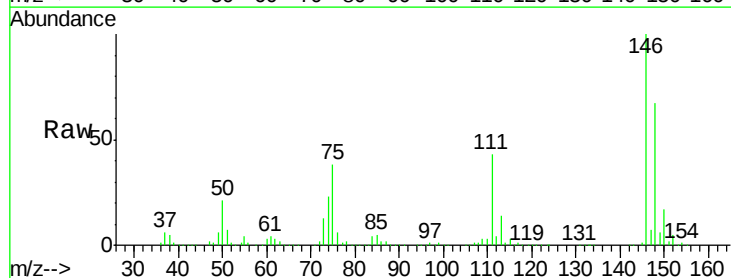
Manual Integrations
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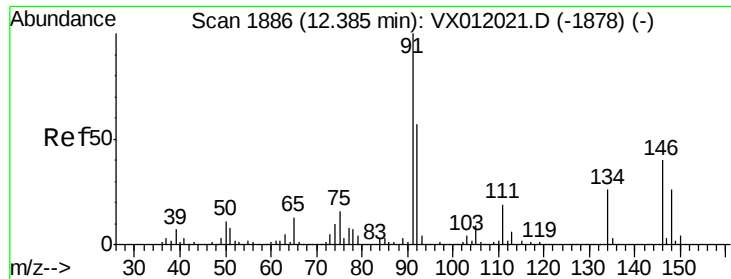
sam
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#88
 1,4-Dichlorobenzene
 Concen: 50.211 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012021.D
 Acq: 03 Sep 2019 14:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.5	17.7	53.1
148	64.5	32.4	97.0





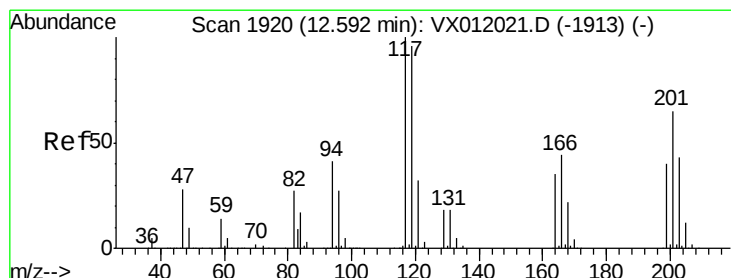
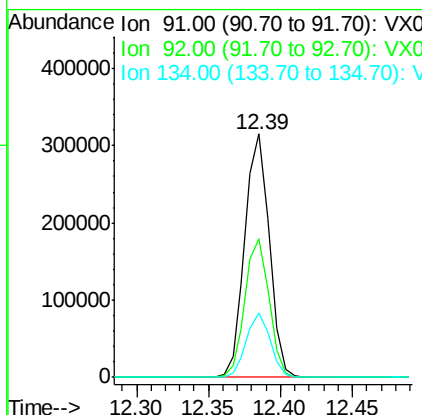
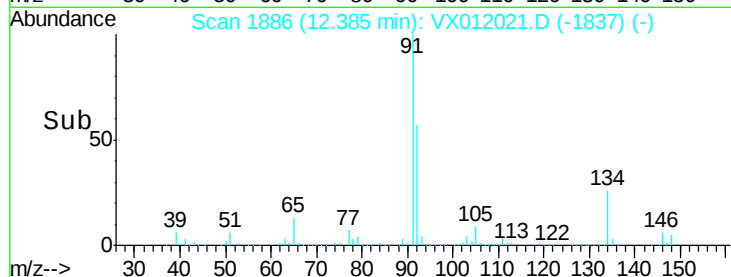
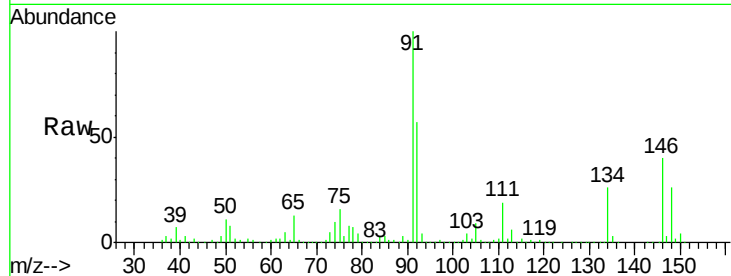
#89
n-Butylbenzene
Concen: 64.871 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012021.D
Acq: 03 Sep 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	56.2	27.6	82.8
134	25.8	15.4	46.1

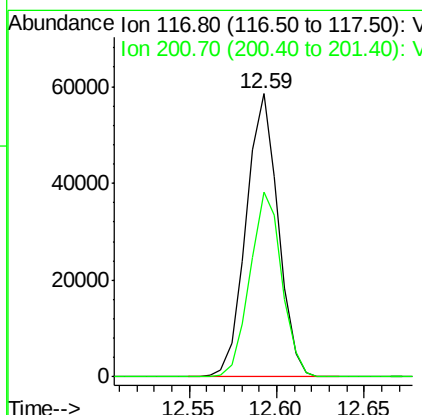
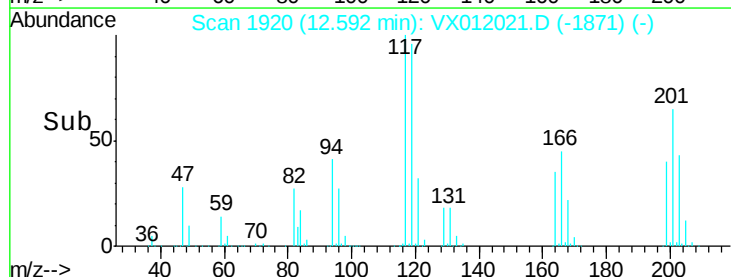
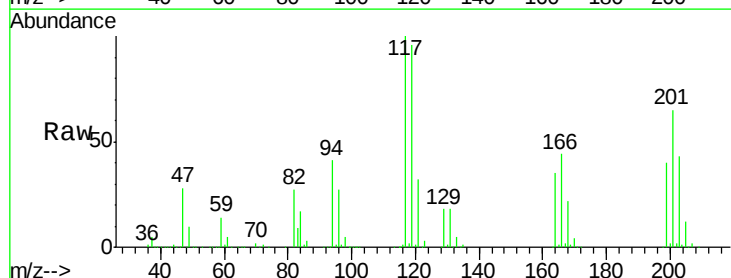
Manual Integrations
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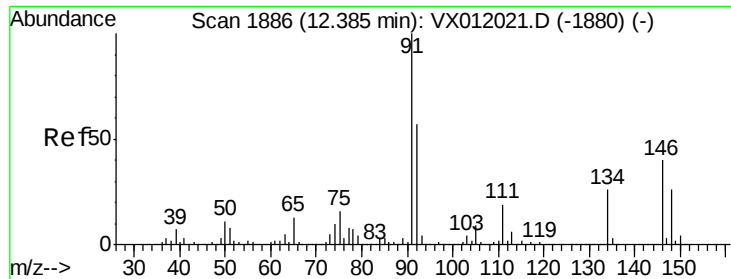
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#90
Hexachloroethane
Concen: 59.929 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012021.D
Acq: 03 Sep 2019 14:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.2	55.0	165.2





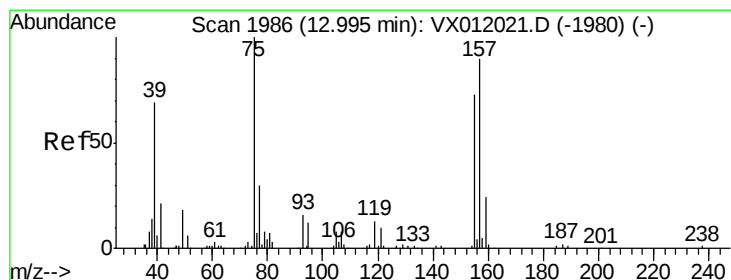
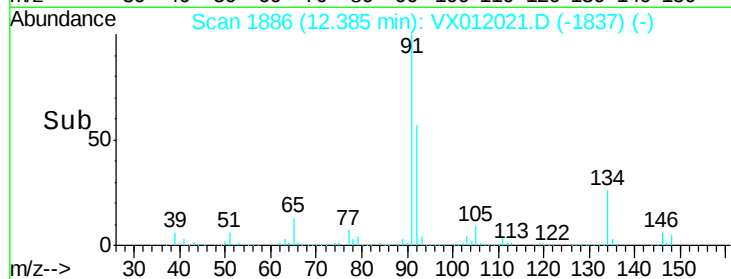
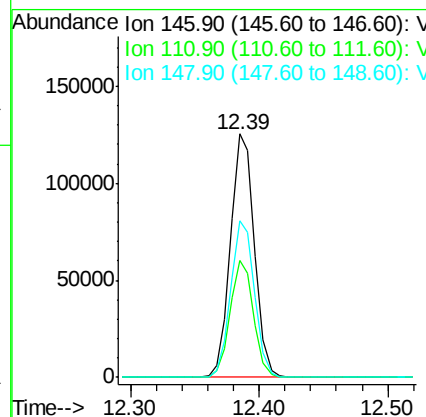
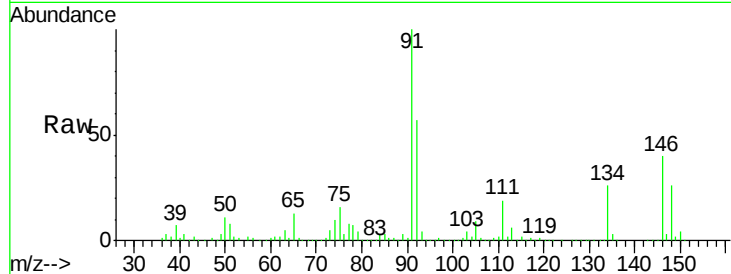
#91
 1,2-Dichlorobenzene
 Concen: 50.248 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012021.D
 Acq: 03 Sep 2019 14:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	163930		
111	46.6	18.6	56.0	
148	64.0	32.4	97.2	

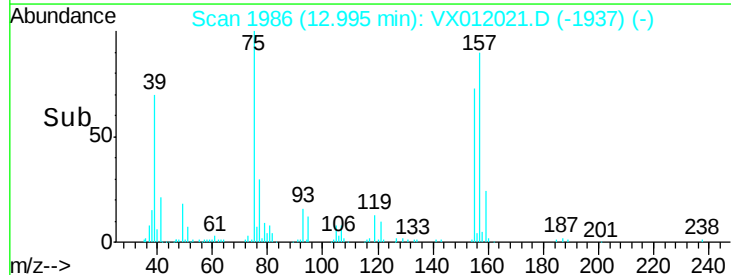
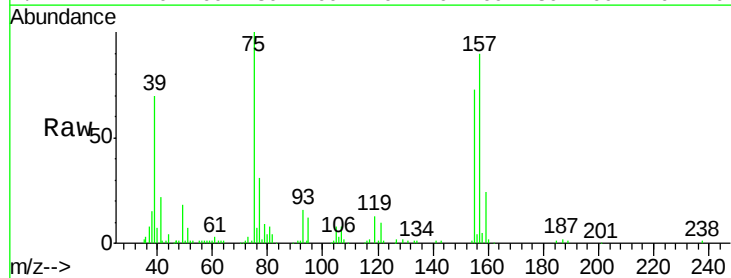
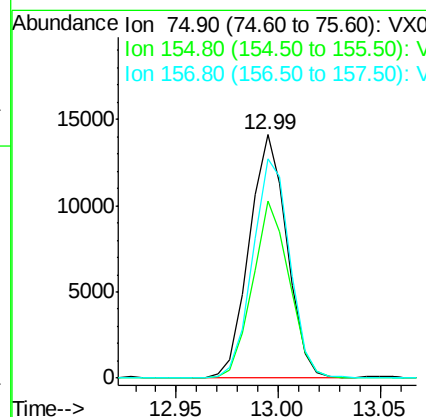
Manual Integrations
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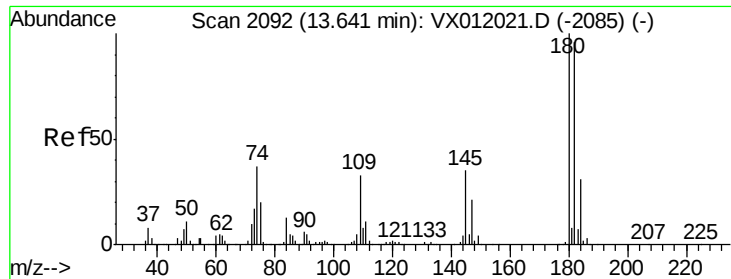
sam
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 76.273 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012021.D
 Acq: 03 Sep 2019 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18068		
155	71.0	51.7	155.2	
157	89.5	66.9	200.7	





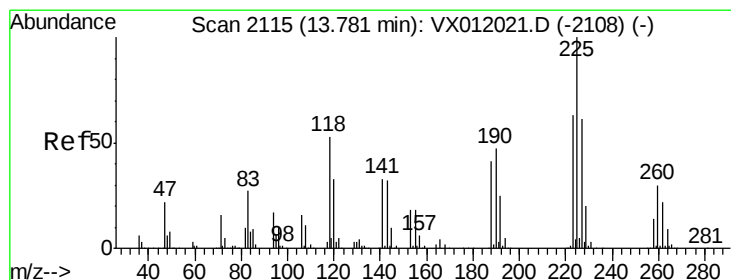
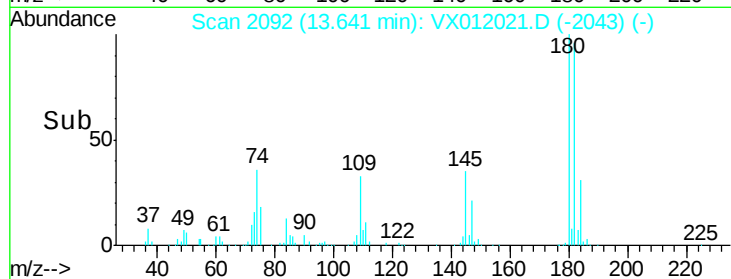
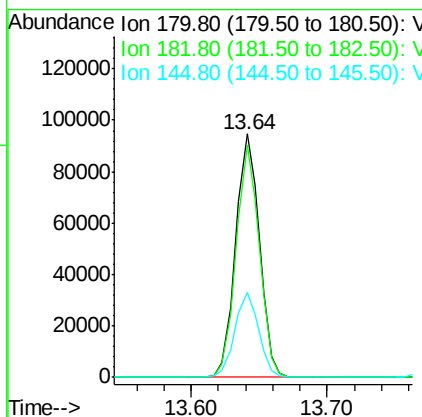
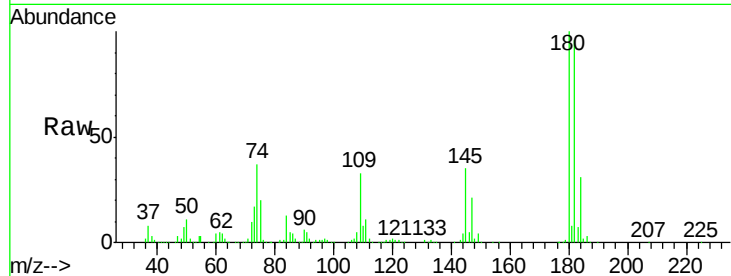
#93
 1,2,4-Trichlorobenzene
 Concen: 40.500 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012021.D
 Acq: 03 Sep 2019 14:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.5	47.3	142.0	
145	35.1	13.7	41.0	

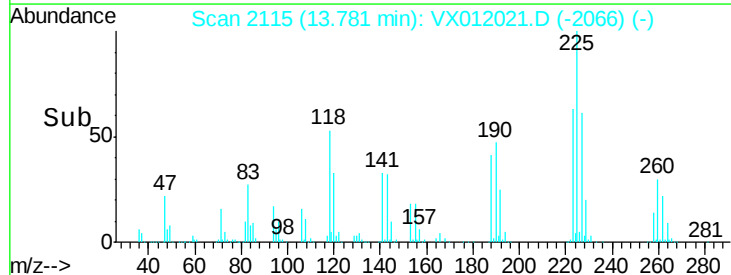
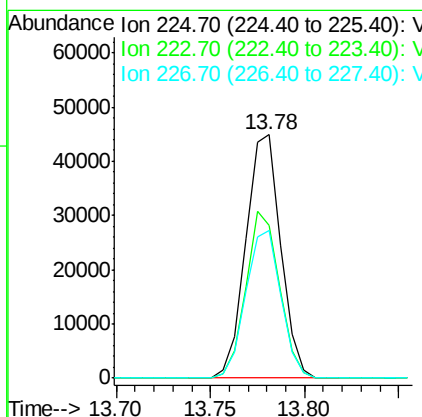
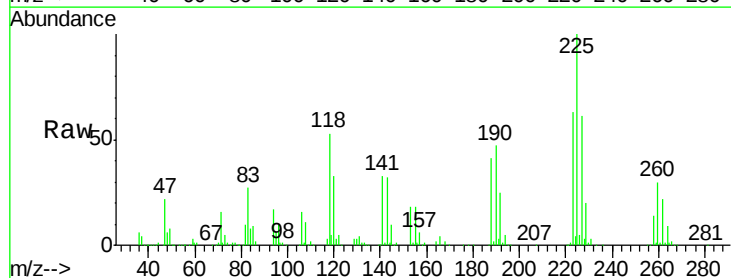
Manual Integrations
 APPROVED

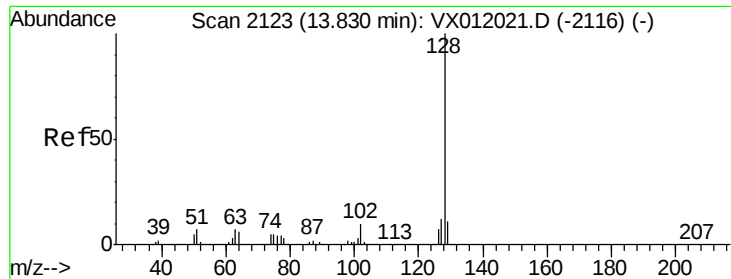
sam
 9/4/2019 4:45:47 PM



#94
 Hexachlorobutadiene
 Concen: 29.030 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VX012021.D
 Acq: 03 Sep 2019 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	65.9	31.6	95.0	
227	61.2	32.5	97.5	





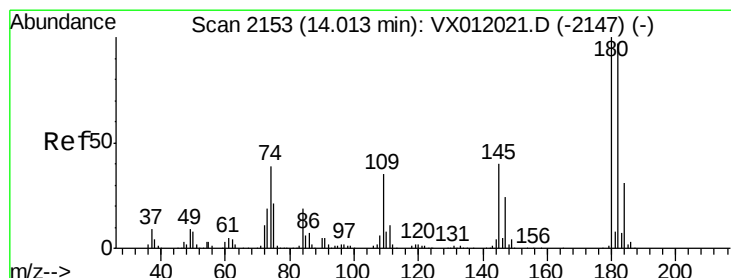
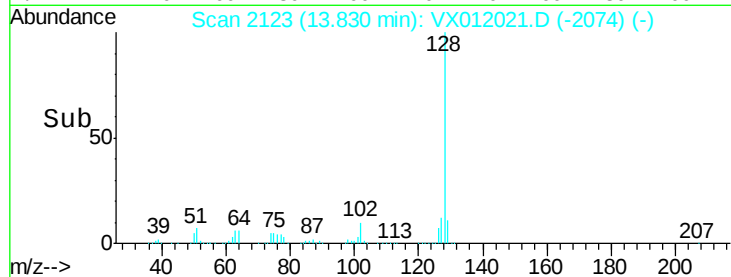
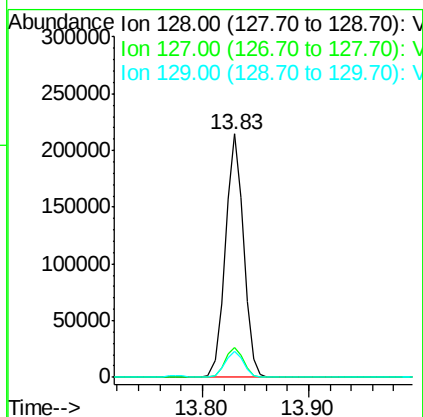
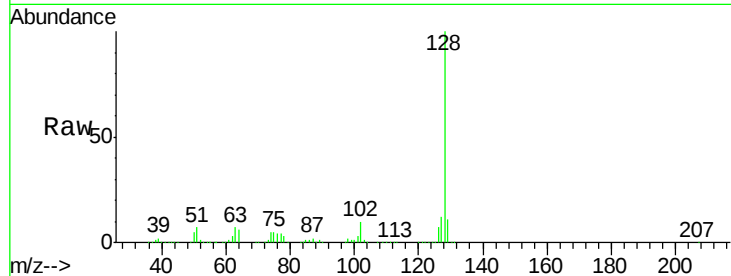
#95
Naphthalene
Concen: 58.840 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX012021.D
Acq: 03 Sep 2019 14:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	256821		
127	12.5		10.5	15.7
129	11.0		8.8	13.2

Manual Integrations
APPROVED

sam
9/4/2019 4:45:47 PM



#96
1,2,3-Trichlorobenzene
Concen: 41.125 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.01 min
Lab File: VX012021.D
Acq: 03 Sep 2019 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	102647		
182	94.2		47.9	143.6
145	36.8		14.1	42.4

