

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121319\
 Data File : VX014012.D
 Acq On : 13 Dec 2019 16:45
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
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Quant Time: Dec 13 17:08:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 16:34:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	540958	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	834820	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	770553	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	416367	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	936152	148.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	297.70%	
35) Dibromofluoromethane	5.49	113	788057	151.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	303.76%	
50) Toluene-d8	8.71	98	2996447	147.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	295.38%	
62) 4-Bromofluorobenzene	11.14	95	1153758	157.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	314.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	717501	124.068	ug/l	98
3) Chloromethane	1.31	50	936620	139.945	ug/l	99
4) Vinyl Chloride	1.40	62	977207	132.003	ug/l	100
5) Bromomethane	1.62	94	736859	145.490	ug/l	100
6) Chloroethane	1.70	64	594664	137.774	ug/l	93
7) Trichlorofluoromethane	1.91	101	1250605	147.606	ug/l	99
8) Diethyl Ether	2.18	74	570113	148.881	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.36	101	749338	145.407	ug/l	100
10) Methyl Iodide	2.50	142	1044115	166.829	ug/l	98
11) Tert butyl alcohol	3.07	59	966022	641.188	ug/l	99
12) 1,1-Dichloroethene	2.36	96	777505	151.289	ug/l	98
13) Acrolein	2.29	56	674752	760.771	ug/l	96
14) Allyl chloride	2.72	41	1424464	152.861	ug/l	99
15) Acrylonitrile	3.14	53	2328143	734.864	ug/l	100
16) Acetone	2.44	43	2873095	882.437	ug/l	99
17) Carbon Disulfide	2.55	76	2212411	150.704	ug/l	100
18) Methyl Acetate	2.76	43	1204602	143.050	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	2596157	152.192	ug/l	98
20) Methylene Chloride	2.84	84	872676	146.173	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	829969	147.972	ug/l	97
22) Diisopropyl ether	3.85	45	2777400	154.046	ug/l	90
23) Vinyl Acetate	3.81	43	11159560	745.509	ug/l	98
24) 1,1-Dichloroethane	3.69	63	1512700	153.488	ug/l	99
25) 2-Butanone	4.67	43	3682621	792.556	ug/l	99
26) 2,2-Dichloropropane	4.57	77	1220310	150.261	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	961661	149.395	ug/l	100
28) Bromochloromethane	5.00	49	594697	170.925	ug/l	98
29) Tetrahydrofuran	5.12	42	2087333	745.240	ug/l	99
30) Chloroform	5.20	83	1457923	146.153	ug/l	98
31) Cyclohexane	5.57	56	1393293	149.543	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	1258831	151.096	ug/l	99
36) 1,1-Dichloropropene	5.79	75	1147913	151.372	ug/l	100
37) Ethyl Acetate	4.83	43	1287314	152.166	ug/l	99
38) Carbon Tetrachloride	5.78	117	1099440	157.180	ug/l	99

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 16:34:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	1431530	152.452	ug/l	99
40) Benzene	6.14	78	3442287	148.726	ug/l	100
41) Methacrylonitrile	5.04	41	715360	154.915	ug/l	99
42) 1,2-Dichloroethane	6.18	62	1179327	149.634	ug/l	99
43) Isopropyl Acetate	6.43	43	2181617	156.119	ug/l	100
44) Trichloroethene	7.20	130	948580	149.877	ug/l	99
45) 1,2-Dichloropropane	7.51	63	894252	154.137	ug/l	99
46) Dibromomethane	7.65	93	585568	149.129	ug/l	99
47) Bromodichloromethane	7.89	83	1181251	159.175	ug/l	98
48) Methyl methacrylate	7.76	41	1071509	158.165	ug/l	99
49) 1,4-Dioxane	7.74	88	394321	2642.701	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	6685070	761.881	ug/l	99
52) Toluene	8.78	92	2179460	151.380	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	1384848	164.046	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	1495505	161.997	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	886074	152.917	ug/l	99
56) Ethyl methacrylate	9.17	69	1519194	162.809	ug/l	99
57) 1,3-Dichloropropane	9.37	76	1493883	149.395	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	2855998	780.770	ug/l	99
59) 2-Hexanone	9.49	43	5445631	788.686	ug/l	99
60) Dibromochloromethane	9.58	129	986592	164.651	ug/l	100
61) 1,2-Dibromoethane	9.67	107	937046	151.608	ug/l	100
64) Tetrachloroethene	9.33	164	1038728	174.689	ug/l	97
65) Chlorobenzene	10.14	112	2375571	147.659	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	895181	155.397	ug/l	100
67) Ethyl Benzene	10.25	91	4147366	150.188	ug/l	97
68) m/p-Xylenes	10.35	106	3214539	303.636	ug/l	98
69) o-Xylene	10.70	106	1582818	153.308	ug/l	100
70) Styrene	10.71	104	2803610	160.964	ug/l	100
71) Bromoform	10.85	173	823754	173.364	ug/l	100
73) Isopropylbenzene	11.01	105	4102514	140.283	ug/l	99
74) N-amyl acetate	10.89	43	2089155	155.946	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	1451158	143.318	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	1295022m	138.876	ug/l	
77) Bromobenzene	11.25	156	1129271	143.259	ug/l	98
78) n-propylbenzene	11.35	91	4739102	144.921	ug/l	98
79) 2-Chlorotoluene	11.42	91	2816371	143.160	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	3555462	147.911	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	538282	158.238	ug/l	96
82) 4-Chlorotoluene	11.51	91	3334083	146.773	ug/l	100
83) tert-Butylbenzene	11.77	119	3404783	140.591	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	3624117	148.658	ug/l	99
85) sec-Butylbenzene	11.94	105	4142990	148.653	ug/l	99
86) p-Isopropyltoluene	12.06	119	3899255	150.616	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	2035638	147.854	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	2043150	145.492	ug/l	99
89) n-Butylbenzene	12.39	91	3481644	157.477	ug/l	98
90) Hexachloroethane	12.59	117	746787	159.139	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	2007287	147.110	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	316431	144.923	ug/l	96

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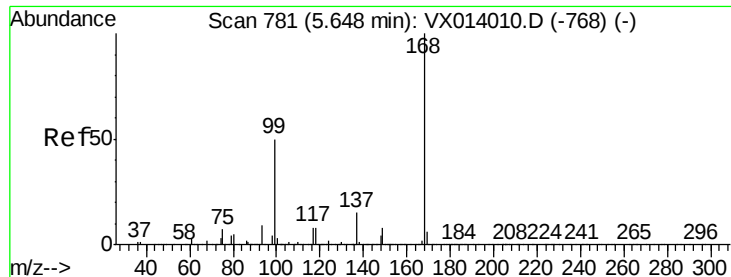
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	1421239	150.803	ug/l	99
94) Hexachlorobutadiene	13.77	225	639399	140.202	ug/l	97
95) Naphthalene	13.83	128	4221939	150.807	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	1382616	147.504	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014012.D

Acq: 13 Dec 2019 16:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 540958

Ion Ratio Lower Upper

168 100

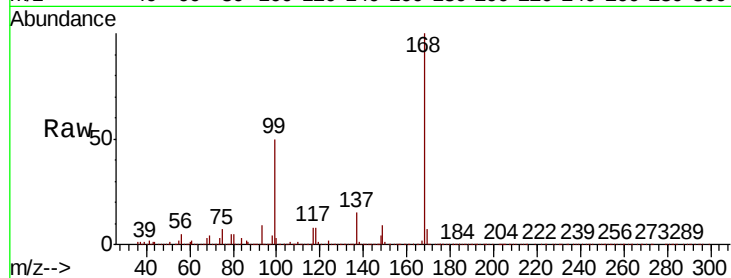
99 49.7 40.3 60.5

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

300000

250000

200000

150000

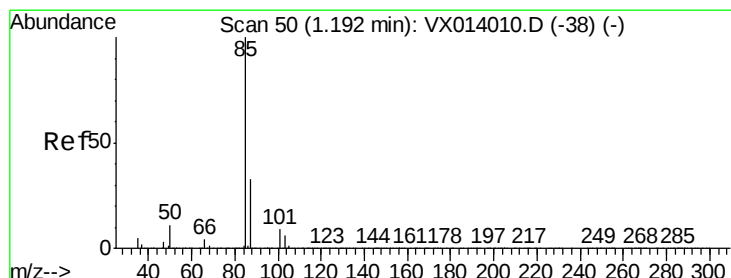
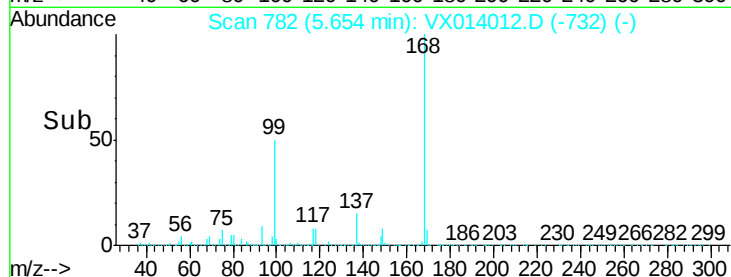
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 124.068 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX014012.D

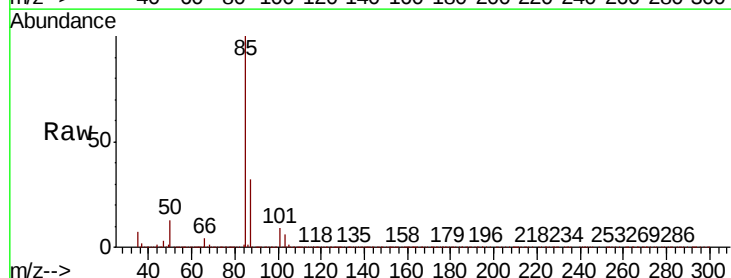
Acq: 13 Dec 2019 16:45

Tgt Ion: 85 Resp: 717501

Ion Ratio Lower Upper

85 100

87 31.6 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

800000

600000

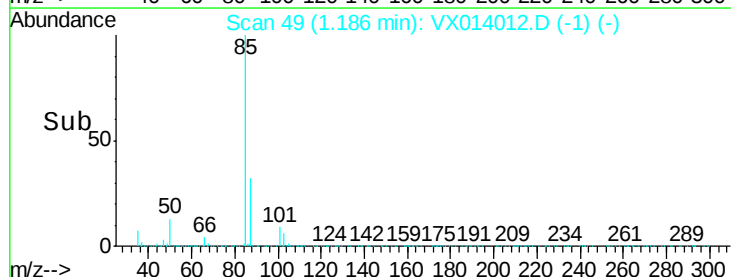
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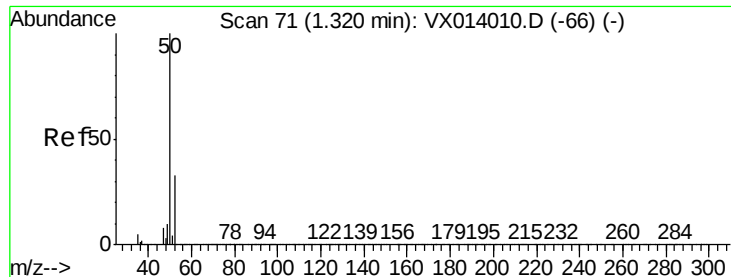
200000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 139.945 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.01 min

Lab File: VX014012.D

Acq: 13 Dec 2019 16:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 50 Resp: 936620

Ion Ratio Lower Upper

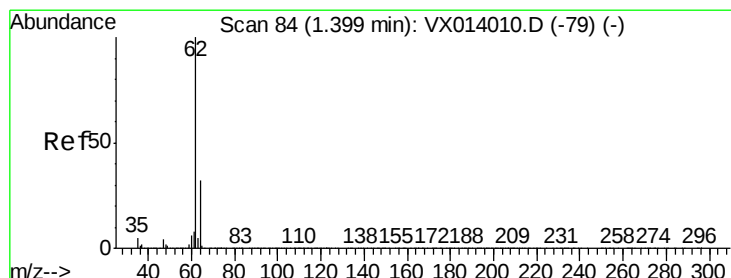
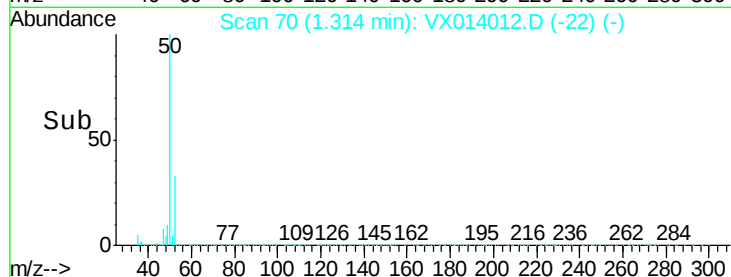
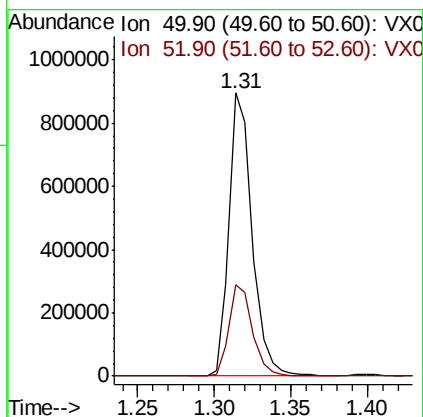
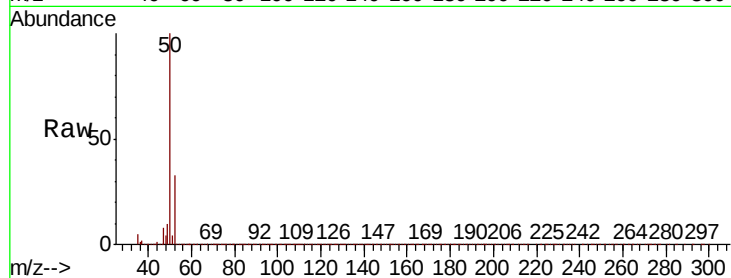
50 100

52 32.5 26.2 39.4

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#4

Vinyl Chloride

Concen: 132.003 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX014012.D

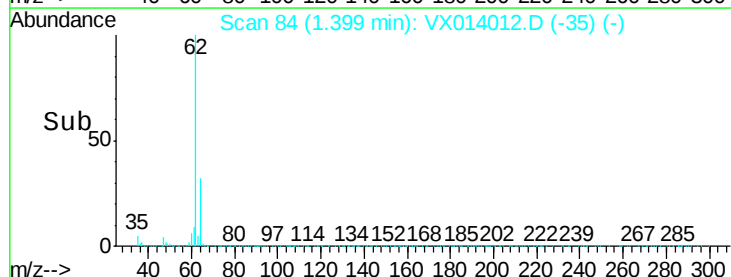
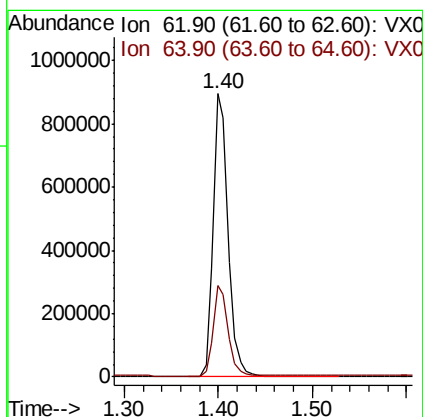
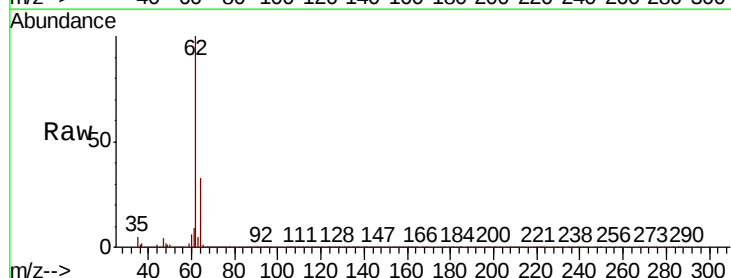
Acq: 13 Dec 2019 16:45

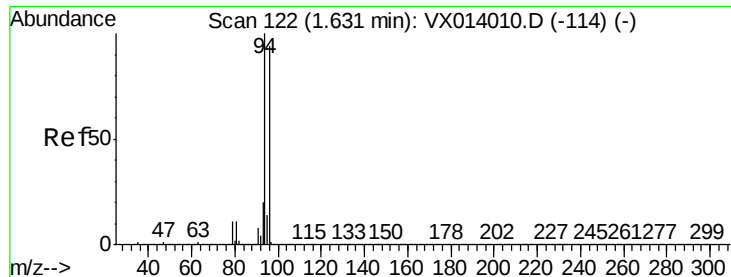
Tgt Ion: 62 Resp: 977207

Ion Ratio Lower Upper

62 100

64 32.2 25.7 38.5





#5

Bromomethane

Concen: 145.490 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.01 min

Lab File: VX014012.D

Acq: 13 Dec 2019 16:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 736859

Ion Ratio Lower Upper

94 100

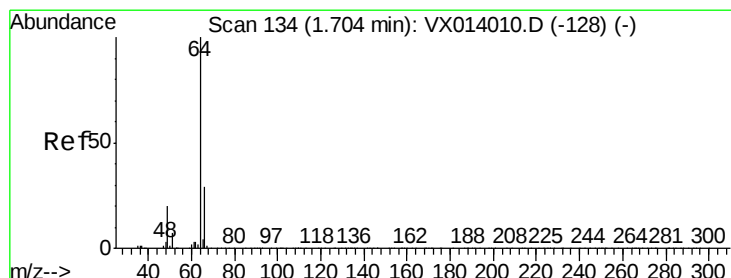
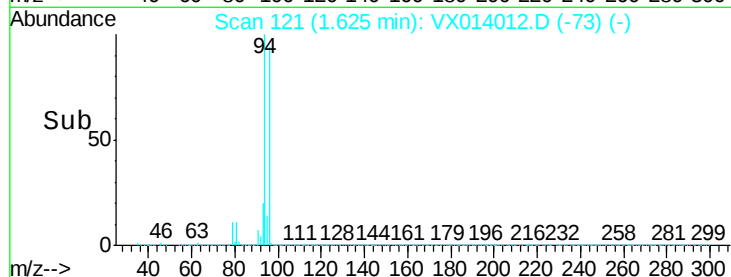
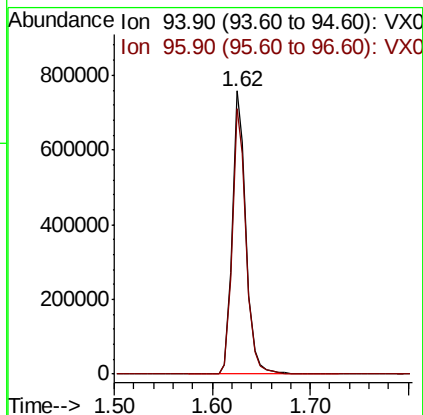
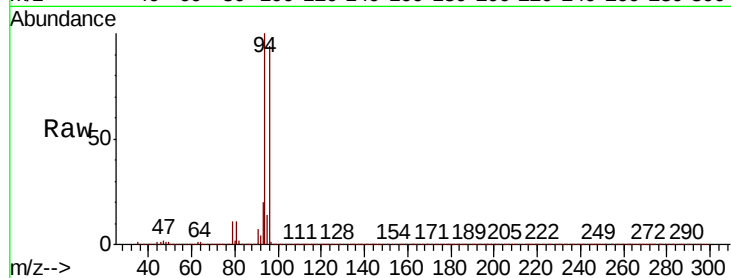
96 93.9 75.2 112.8

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#6

Chloroethane

Concen: 137.774 ug/l

RT: 1.70 min Scan# 133

Delta R.T. -0.01 min

Lab File: VX014012.D

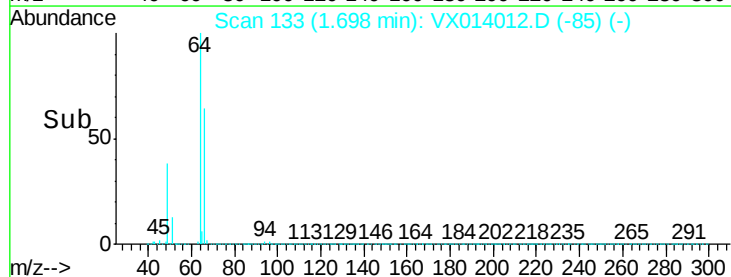
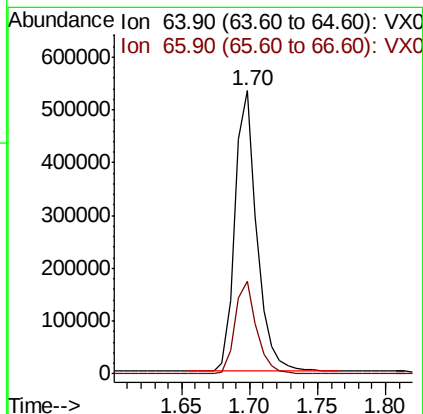
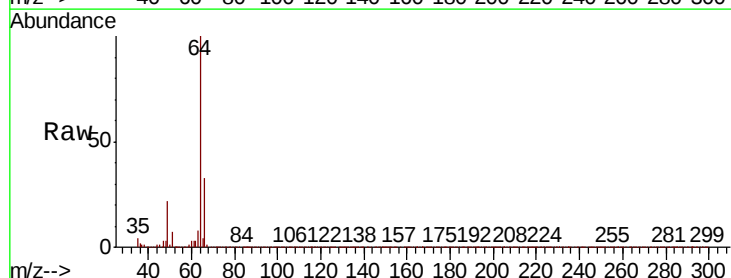
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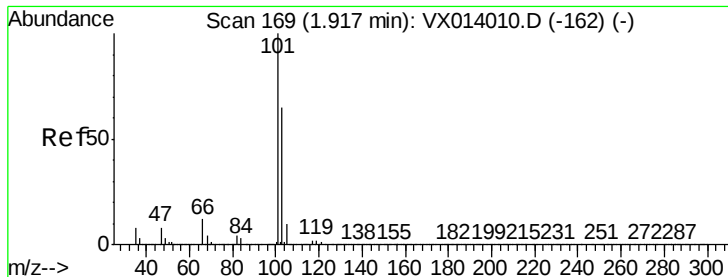
Tgt Ion: 64 Resp: 594664

Ion Ratio Lower Upper

64 100

66 32.9 23.4 35.2





#7

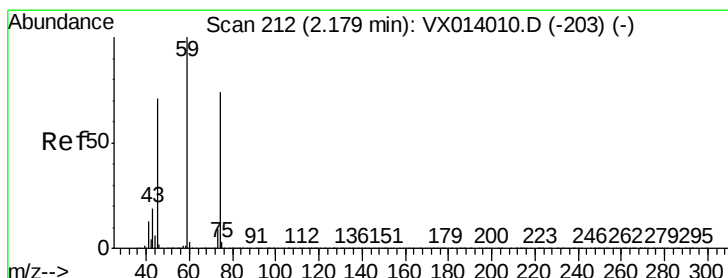
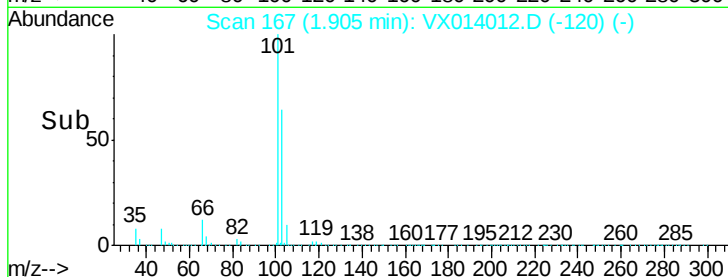
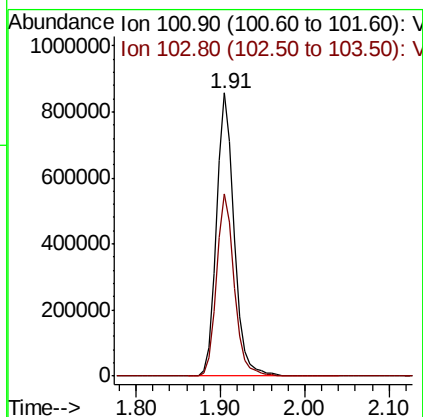
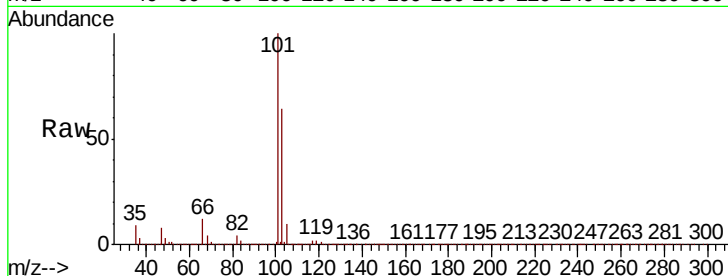
Trichlorofluoromethane
Concen: 147.606 ug/l
RT: 1.91 min Scan# 167
Delta R.T. -0.01 min
Lab File: VX014012.D
Acq: 13 Dec 2019 16:45

Instrument :
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ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.2	78.4

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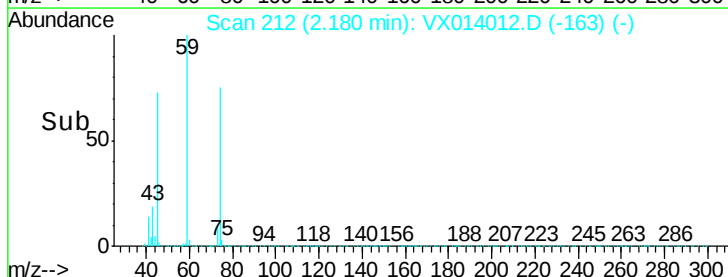
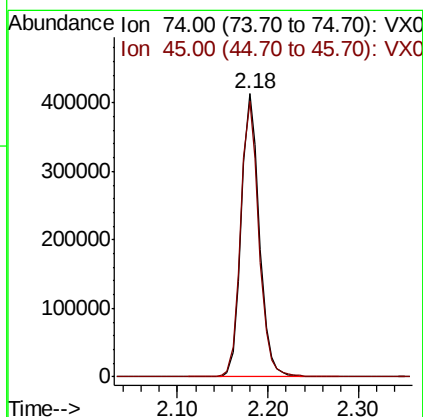
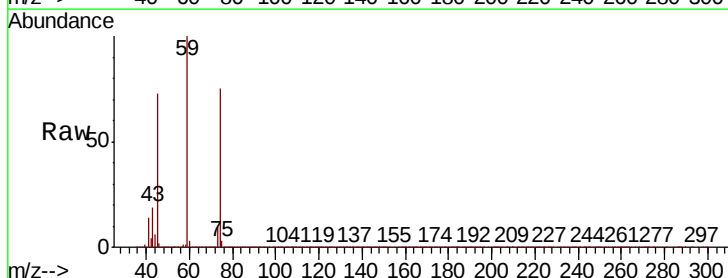
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#8

Diethyl Ether
Concen: 148.881 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX014012.D
Acq: 13 Dec 2019 16:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.4	48.1	144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 145.407 ug/l

RT: 2.36 min Scan# 242

Delta R.T. -0.01 min

Lab File: VX014012.D

Acq: 13 Dec 2019 16:45

Instrument :

MSVOA_X

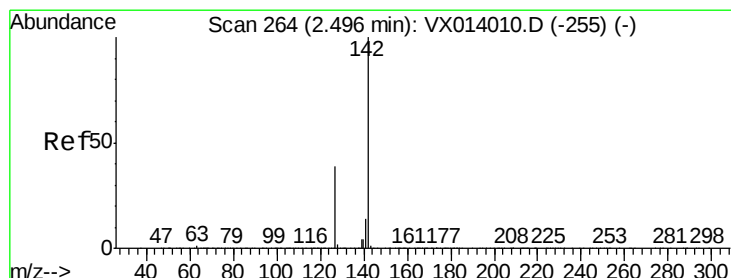
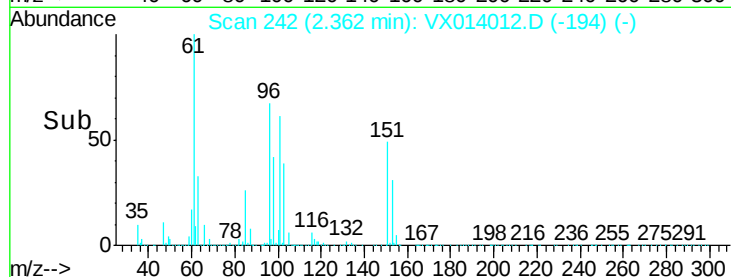
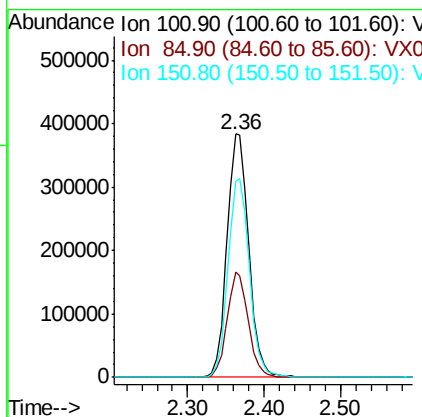
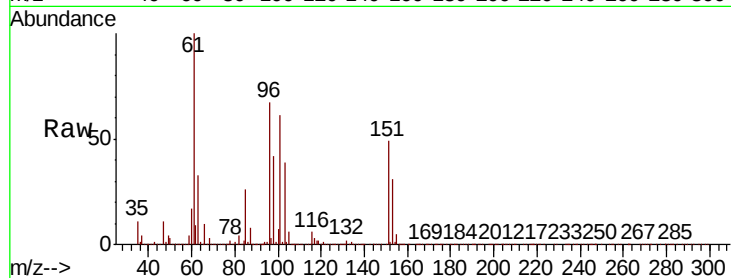
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	749338
Ion Ratio	Lower	Upper	
101	100		
85	42.1	33.7	50.5
151	80.9	64.5	96.7

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#10

Methyl Iodide

Concen: 166.829 ug/l

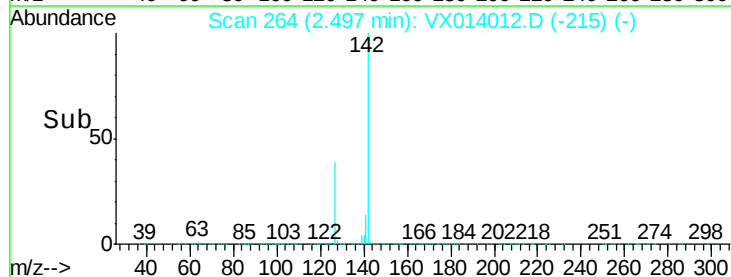
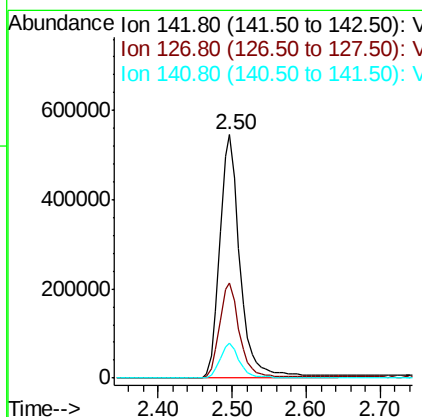
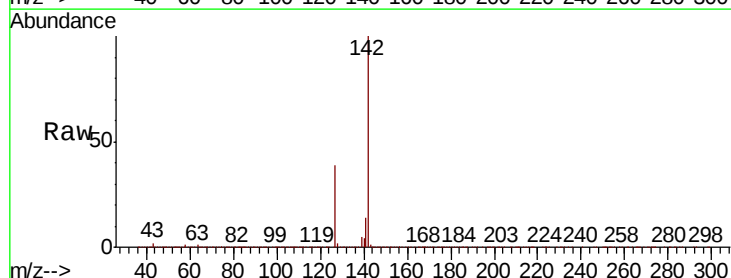
RT: 2.50 min Scan# 264

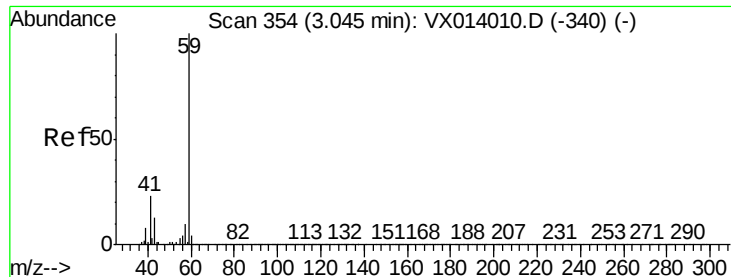
Delta R.T. 0.00 min

Lab File: VX014012.D

Acq: 13 Dec 2019 16:45

Tgt Ion:	142	Resp:	1044115
Ion Ratio	Lower	Upper	
142	100		
127	38.5	31.6	47.4
141	13.8	11.6	17.4





#11

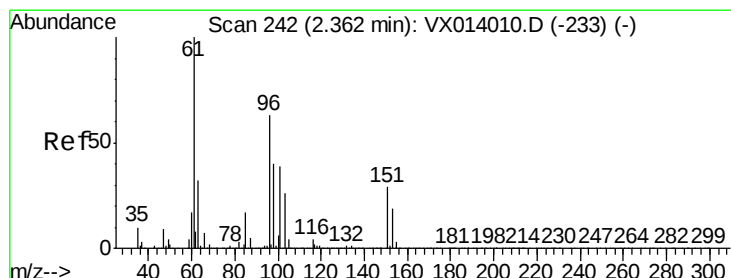
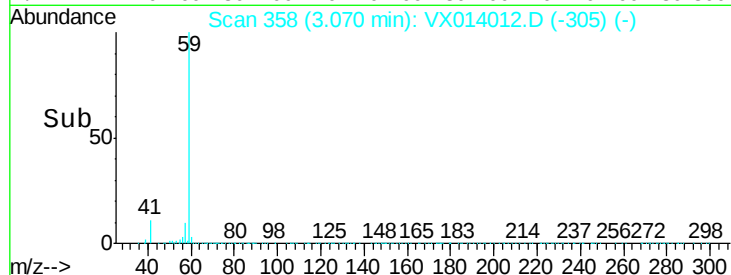
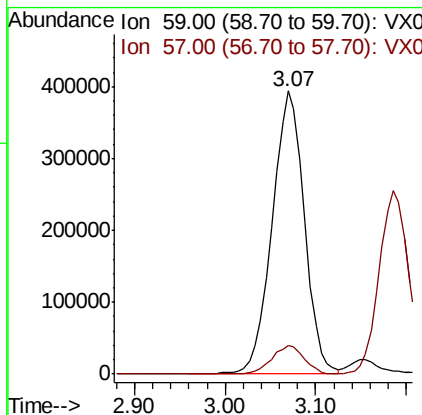
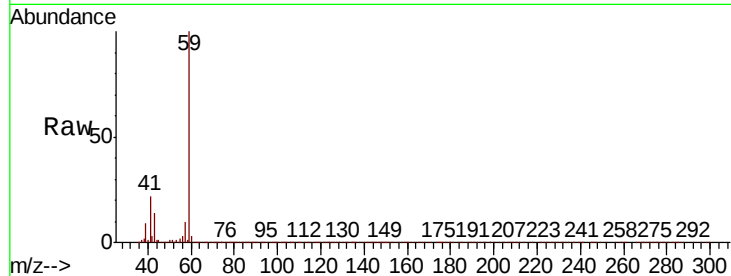
Tert butyl alcohol
Concen: 641.188 ug/l
RT: 3.07 min Scan# 358
Delta R.T. 0.02 min
Lab File: VX014012.D
Acq: 13 Dec 2019 16:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.4	12.6

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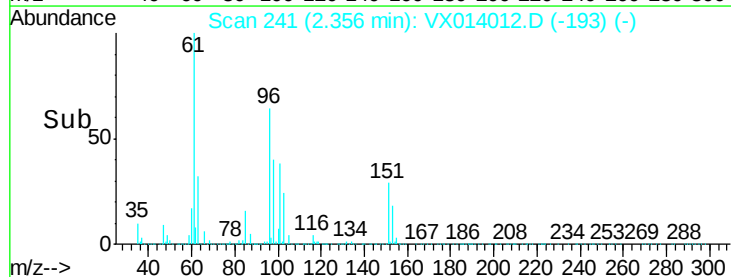
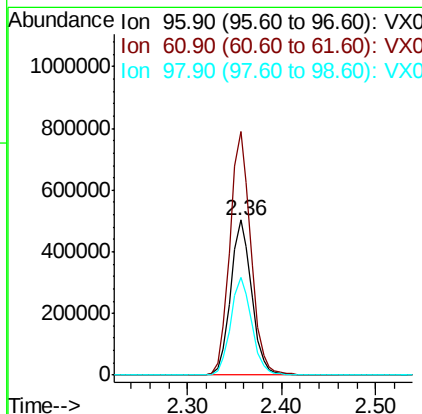
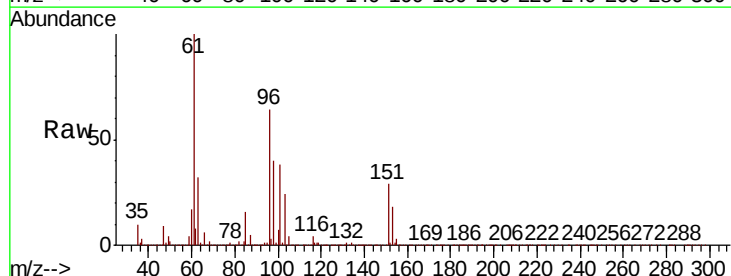
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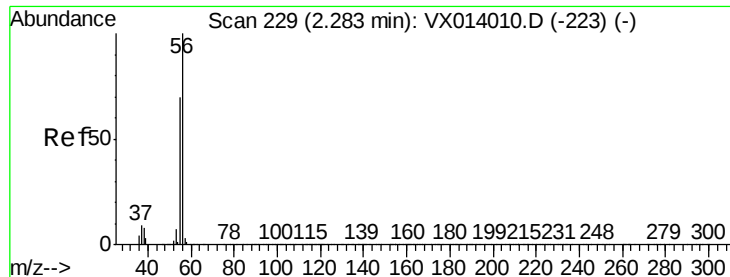


#12

1,1-Dichloroethene
Concen: 151.289 ug/l
RT: 2.36 min Scan# 241
Delta R.T. -0.01 min
Lab File: VX014012.D
Acq: 13 Dec 2019 16:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.1	127.9	191.9
98	62.7	50.5	75.7





#13

Acrolein

Concen: 760.771 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX014012.D

Acq: 13 Dec 2019 16:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 56 Resp: 674752

Ion Ratio Lower Upper

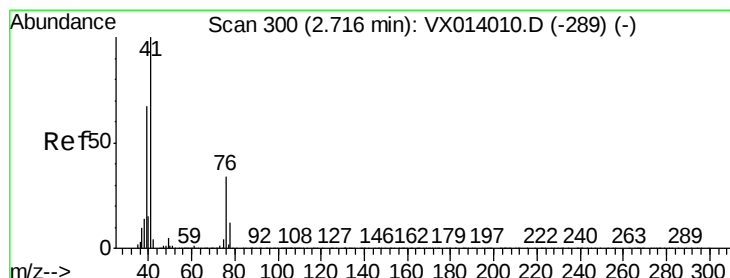
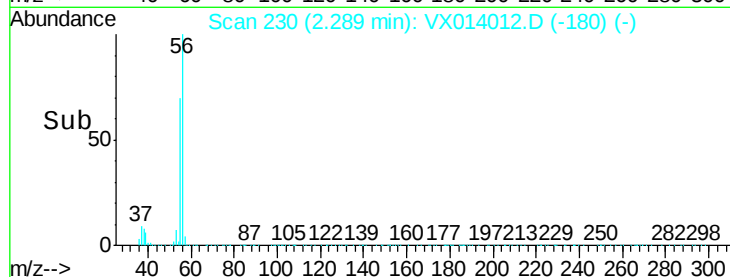
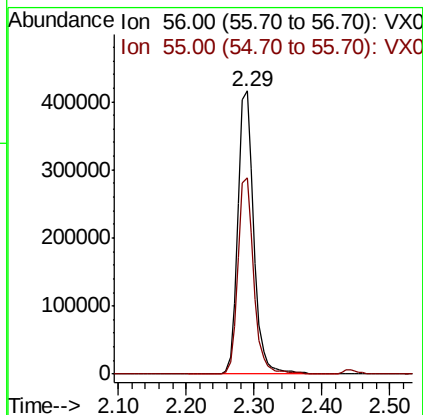
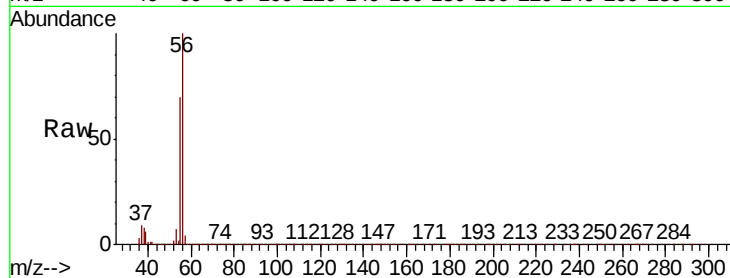
56 100

55 68.1 56.9 85.3

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#14

Allyl chloride

Concen: 152.861 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX014012.D

Acq: 13 Dec 2019 16:45

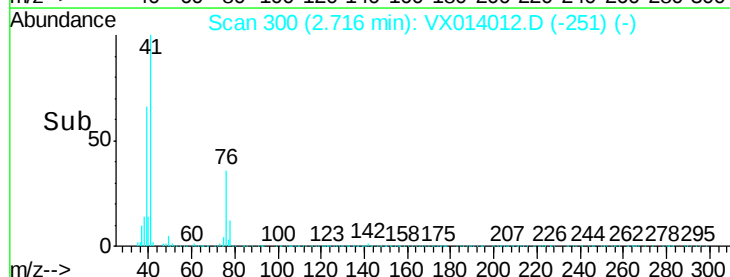
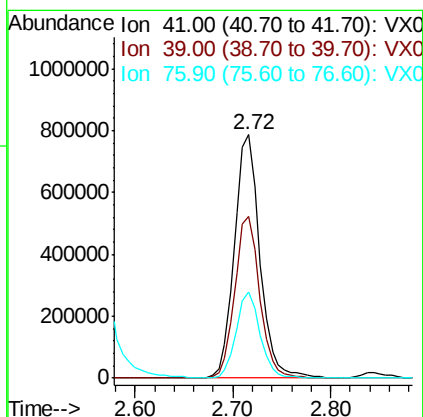
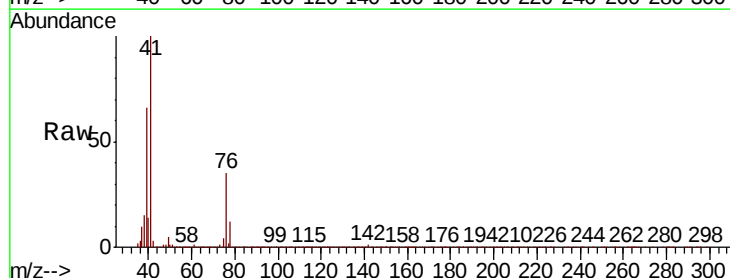
Tgt Ion: 41 Resp: 1424464

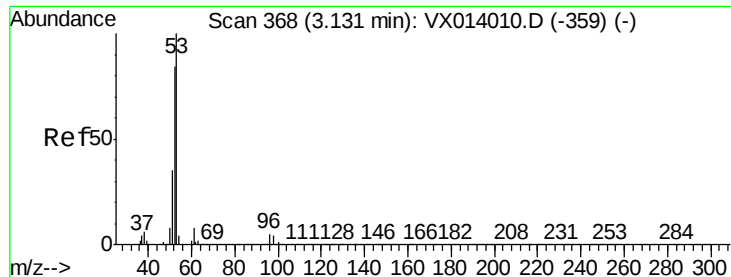
Ion Ratio Lower Upper

41 100

39 64.9 51.8 77.8

76 33.3 25.9 38.9





#15

Acrylonitrile

Concen: 734.864 ug/l

RT: 3.14 min Scan# 369

Delta R.T. 0.01 min

Lab File: VX014012.D

Acq: 13 Dec 2019 16:45

Instrument :

MSVOA_X

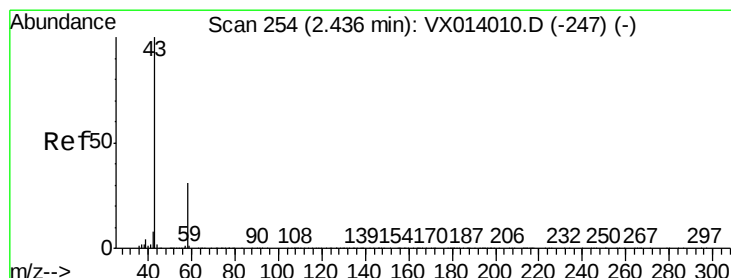
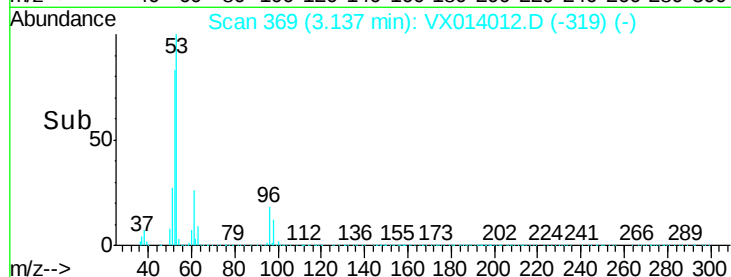
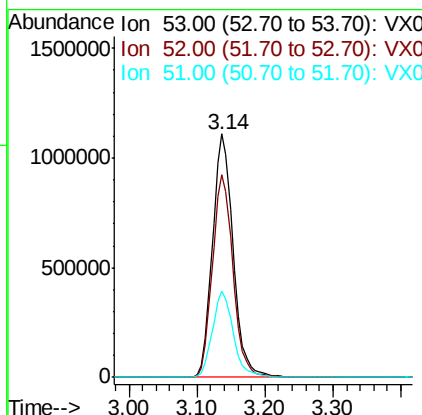
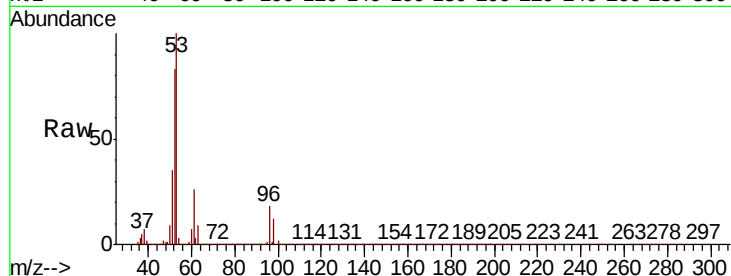
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	2328143
Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.5	99.7
51	35.5	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 882.437 ug/l

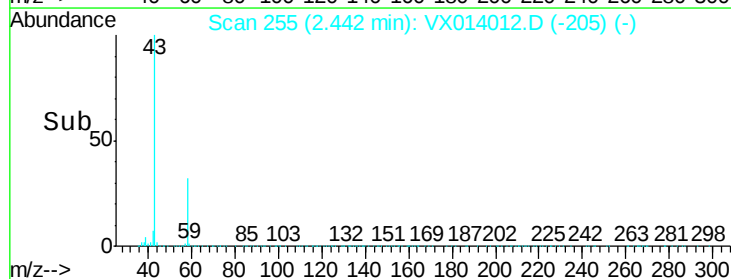
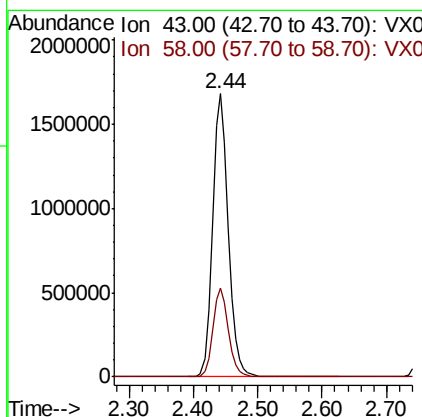
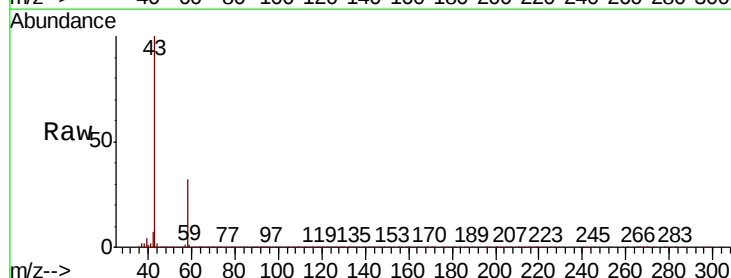
RT: 2.44 min Scan# 255

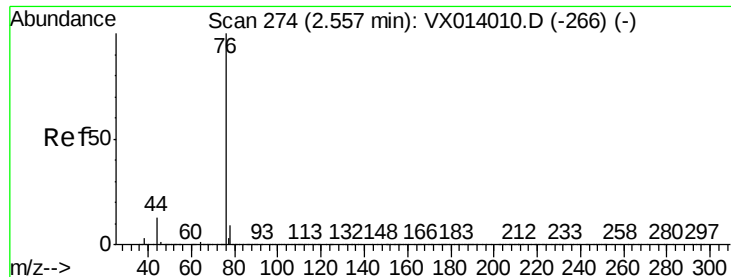
Delta R.T. 0.01 min

Lab File: VX014012.D

Acq: 13 Dec 2019 16:45

Tgt Ion:	43	Resp:	2873095
Ion	Ratio	Lower	Upper
43	100		
58	31.5	24.9	37.3





#17

Carbon Disulfide

Concen: 150.704 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.01 min

Lab File: VX014012.D

Acq: 13 Dec 2019 16:45

Tot Ion: 76 Resp: 2212411

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8

Instrument :

MSVOA_X

ClientSampleId :

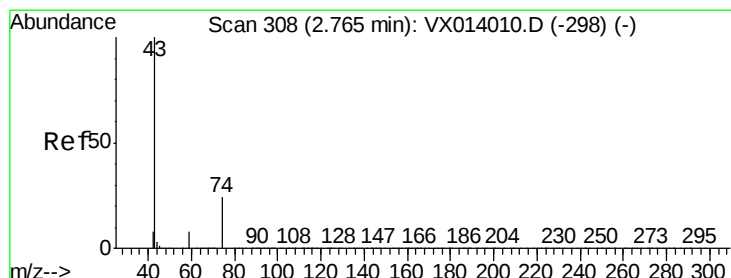
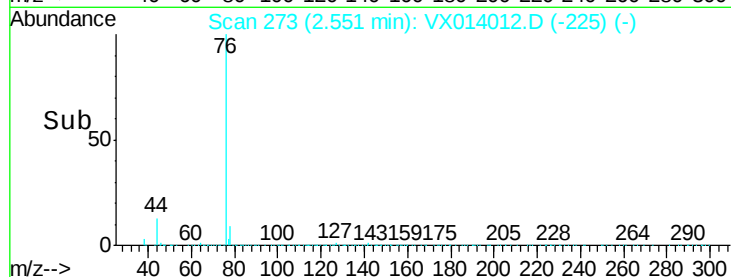
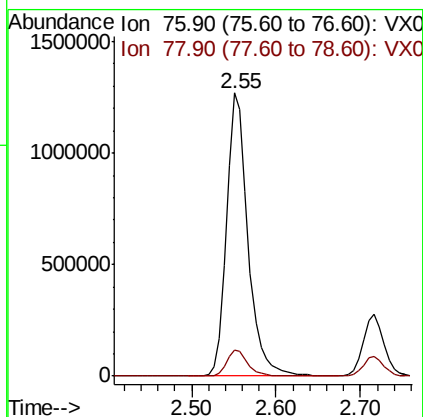
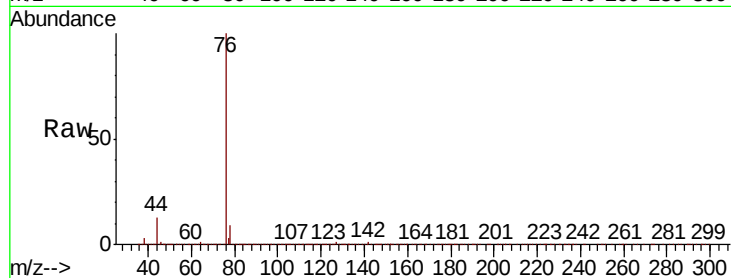
VSTDICC150

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#18

Methyl Acetate

Concen: 143.050 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX014012.D

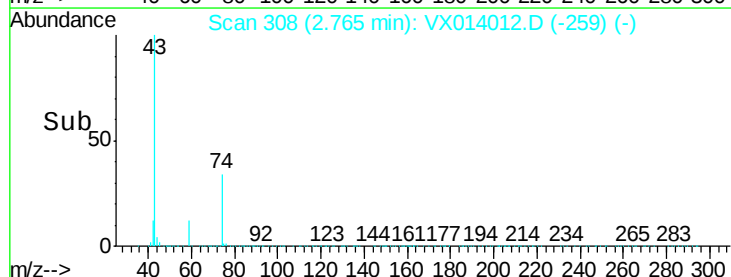
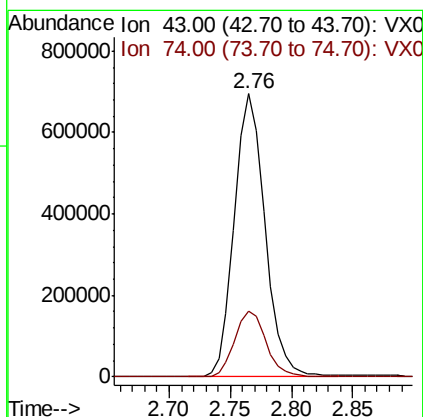
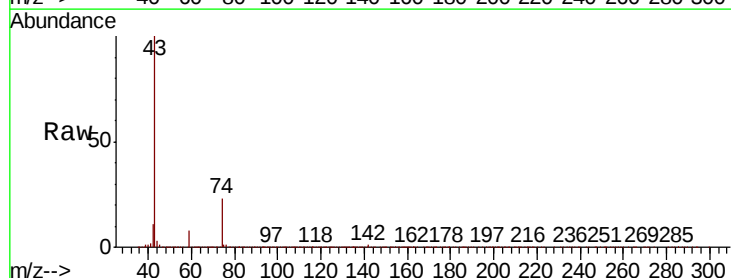
Acq: 13 Dec 2019 16:45

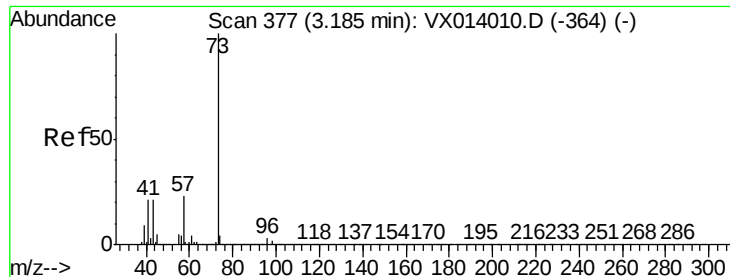
Tgt Ion: 43 Resp: 1204602

Ion Ratio Lower Upper

43 100

74 23.7 19.5 29.3





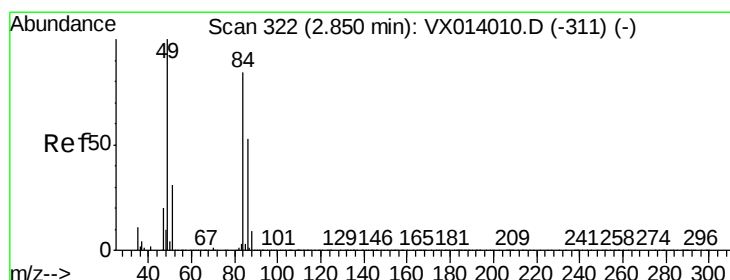
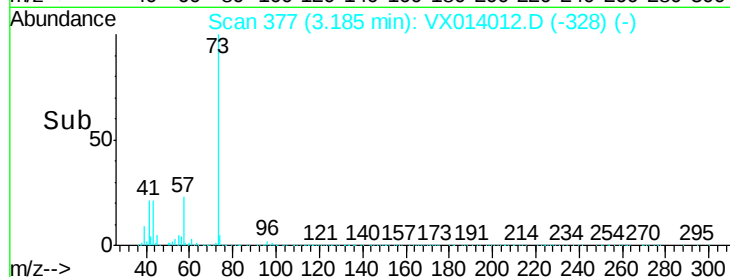
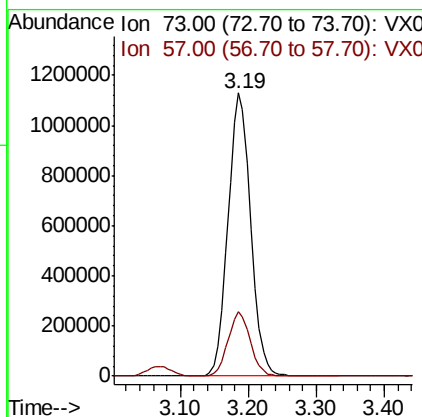
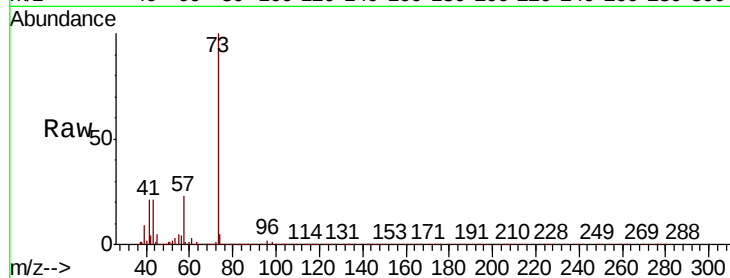
#19
Methvl tert-butvl Ether
Concen: 152.192 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX014012.D
Acq: 13 Dec 2019 16:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 2596157
Ion Ratio Lower Upper
73 100
57 22.7 18.8 28.2

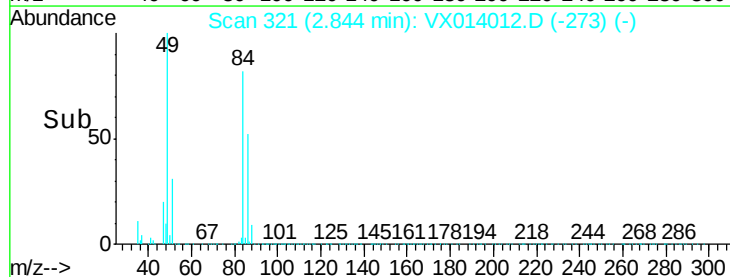
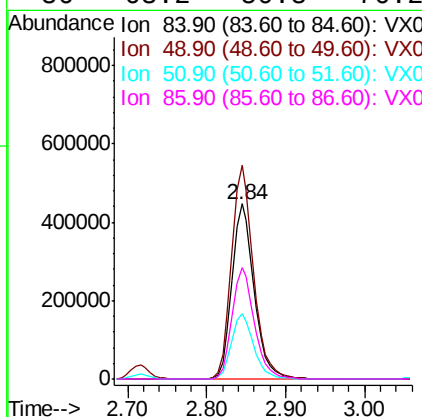
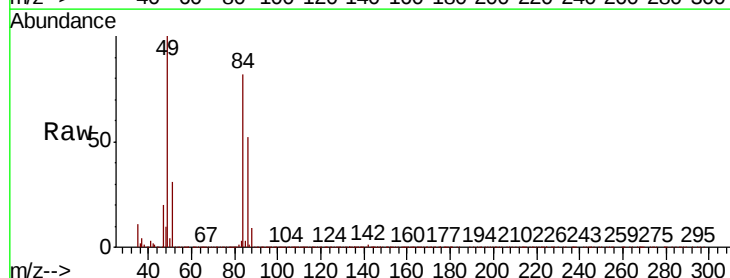
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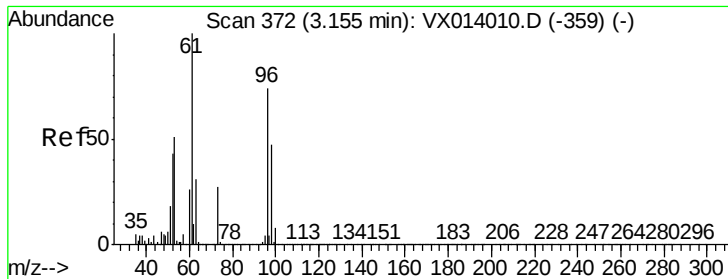
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#20
Methylene Chloride
Concen: 146.173 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX014012.D
Acq: 13 Dec 2019 16:45

Tgt Ion: 84 Resp: 872676
Ion Ratio Lower Upper
84 100
49 122.0 95.8 143.6
51 37.3 29.8 44.8
86 63.2 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 147.972 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.01 min

Lab File: VX014012.D

Acq: 13 Dec 2019 16:45

Instrument :

MSVOA_X

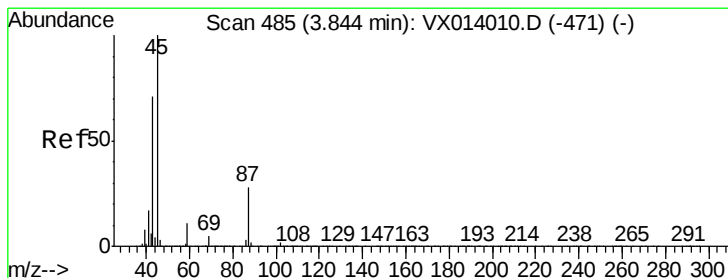
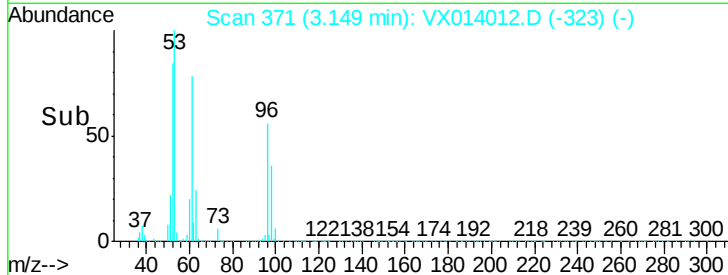
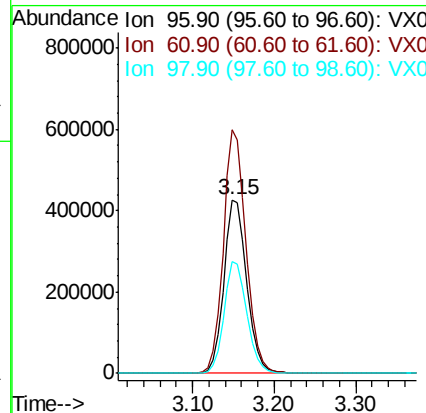
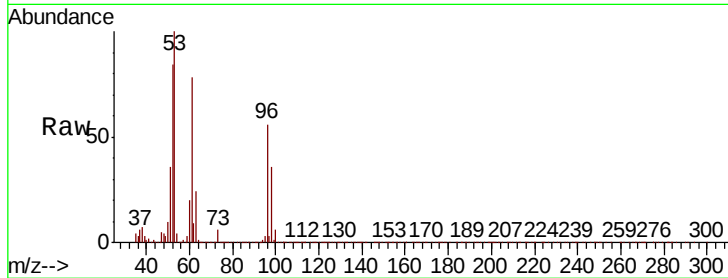
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	829969
Ion	Ratio	Lower	Upper
96	100		
61	140.2	108.3	162.5
98	64.0	50.8	76.2

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#22

Diisopropyl ether

Concen: 154.046 ug/l

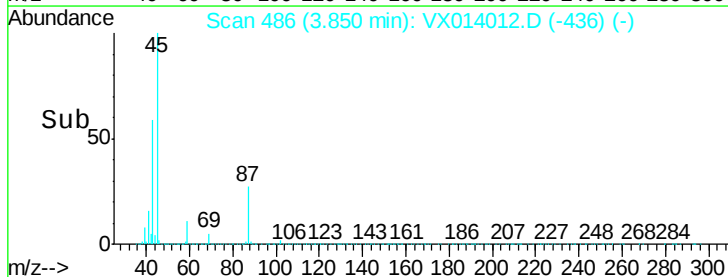
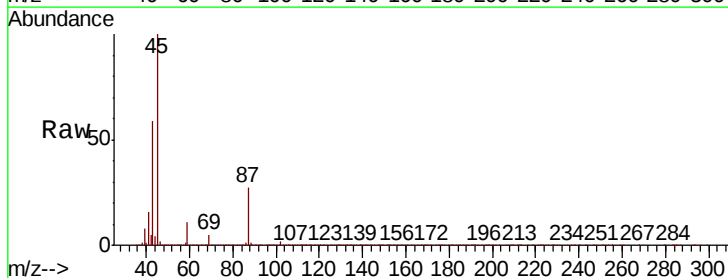
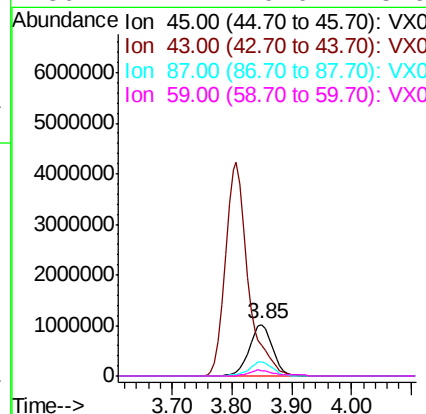
RT: 3.85 min Scan# 486

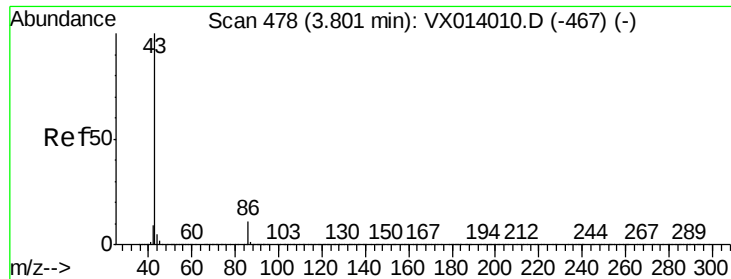
Delta R.T. 0.01 min

Lab File: VX014012.D

Acq: 13 Dec 2019 16:45

Tgt Ion:	45	Resp:	2777400
Ion	Ratio	Lower	Upper
45	100		
43	58.7	57.4	86.0
87	27.3	21.9	32.9
59	11.1	9.0	13.6





#23

Vinyl Acetate

Concen: 745.509 ug/l

RT: 3.81 min Scan# 479

Delta R.T. 0.01 min

Lab File: VX014012.D

Acq: 13 Dec 2019 16:45

Tot Ion: 43 Resp: 11159560

Ion Ratio Lower Upper

43 100

86 11.5 8.6 12.8

Instrument :

MSVOA_X

ClientSampleId :

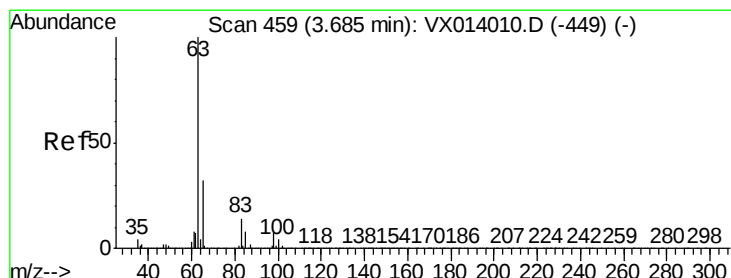
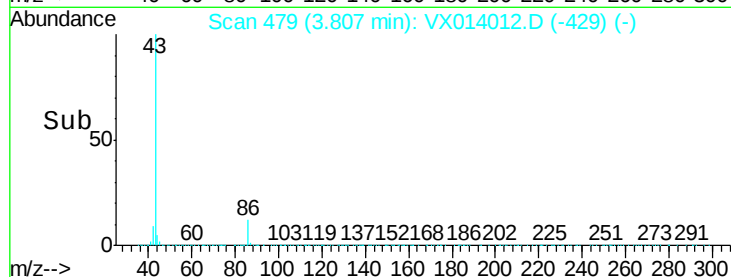
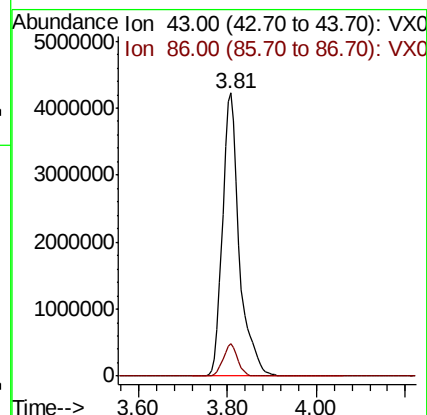
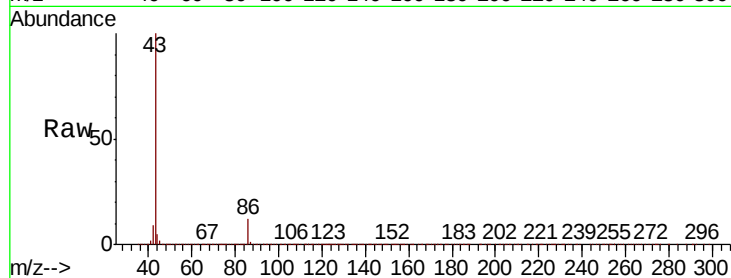
VSTDIC150

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#24

1,1-Dichloroethane

Concen: 153.488 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX014012.D

Acq: 13 Dec 2019 16:45

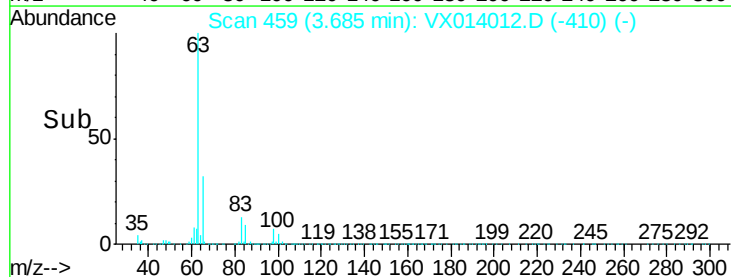
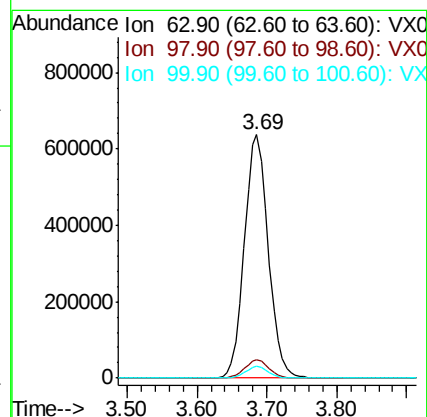
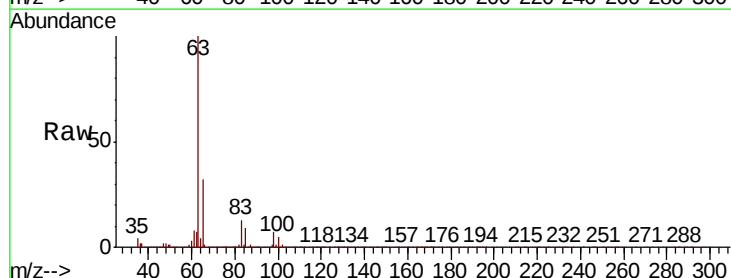
Tgt Ion: 63 Resp: 1512700

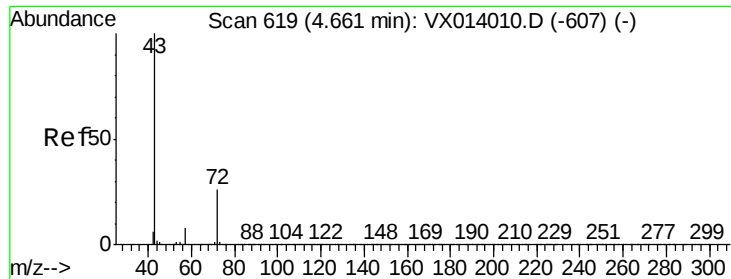
Ion Ratio Lower Upper

63 100

98 7.4 3.6 10.8

100 4.9 2.3 6.8





#25

2-Butanone

Concen: 792.556 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.01 min

Lab File: VX014012.D

Acq: 13 Dec 2019 16:45

Tot Ion: 43 Resp: 3682621

Ion Ratio Lower Upper

43 100

72 25.8 21.0 31.4

Instrument :

MSVOA_X

ClientSampleId :

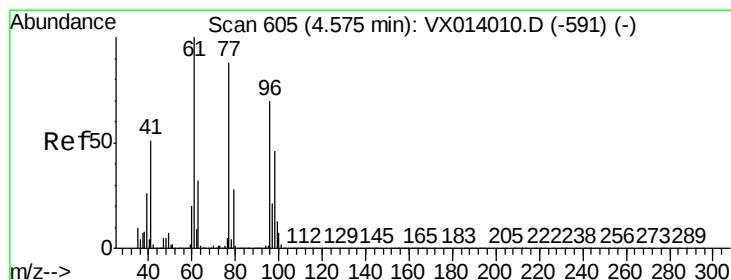
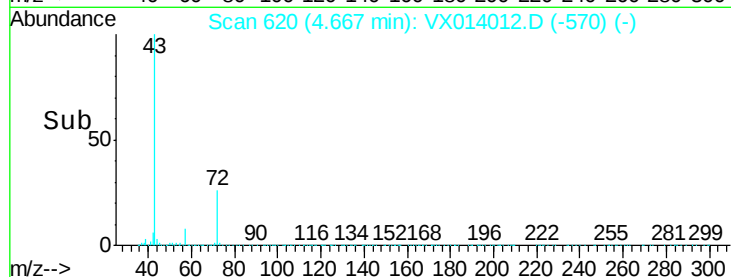
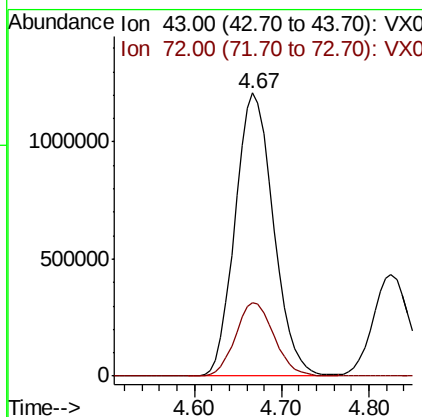
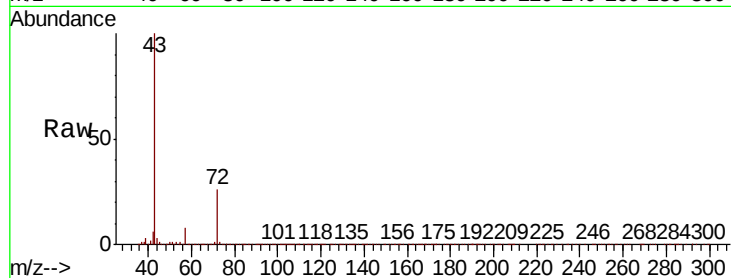
VSTDIC150

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 150.261 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX014012.D

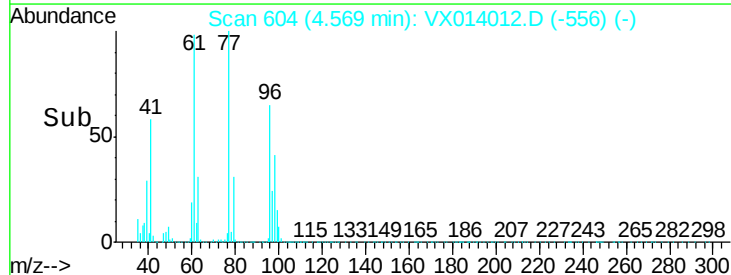
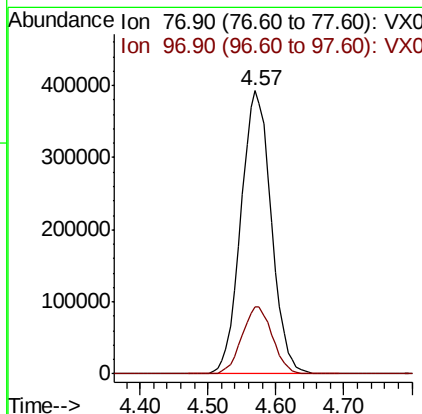
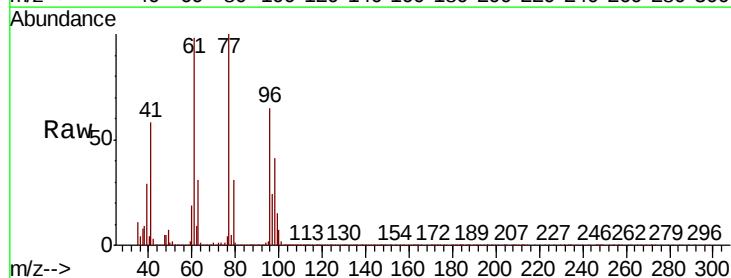
Acq: 13 Dec 2019 16:45

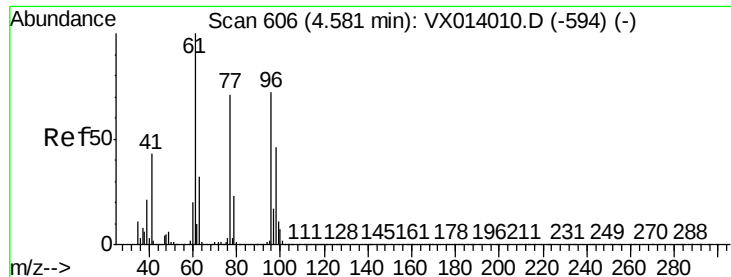
Tgt Ion: 77 Resp: 1220310

Ion Ratio Lower Upper

77 100

97 23.8 11.9 35.9





#27

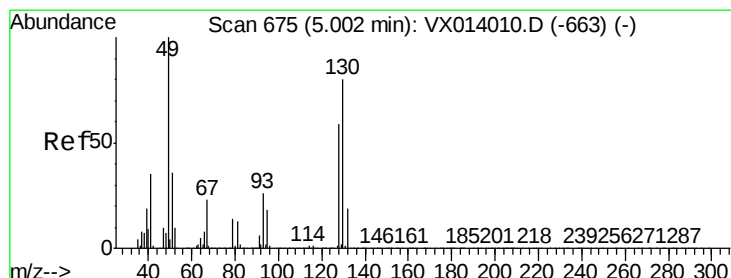
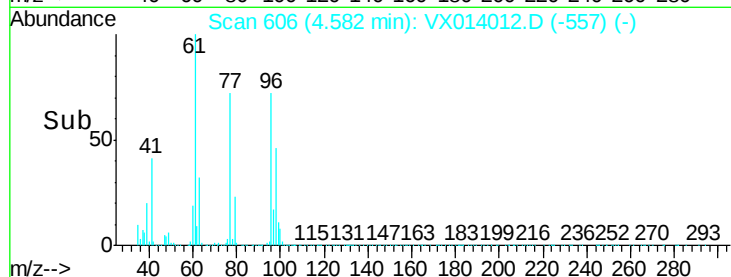
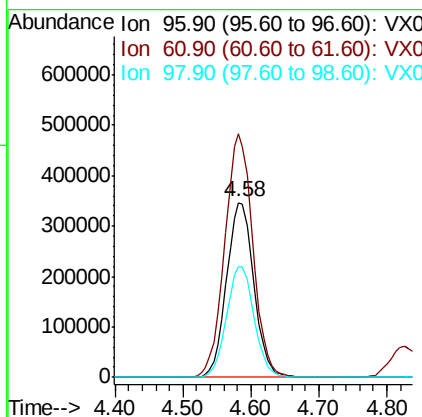
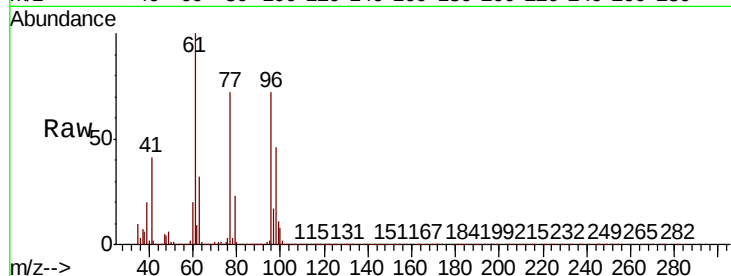
cis-1,2-Dichloroethene
Concen: 149.395 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX014012.D
Acq: 13 Dec 2019 16:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	961661		
61	143.8	0.0	288.4	
98	64.2	0.0	129.6	

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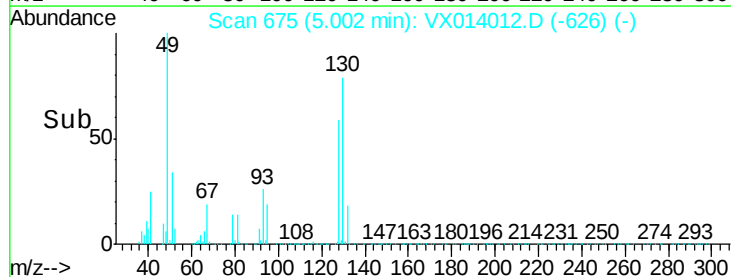
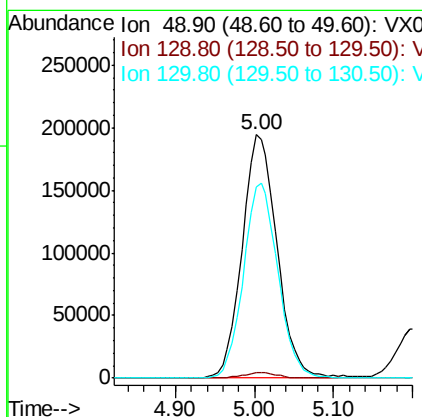
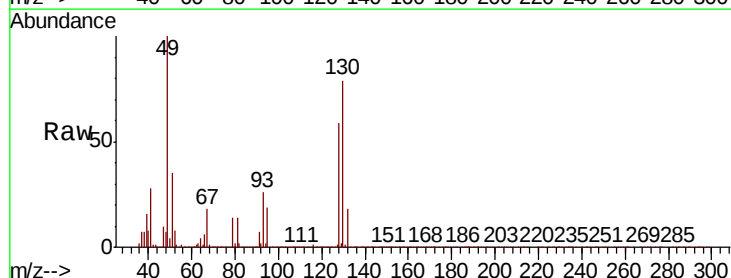
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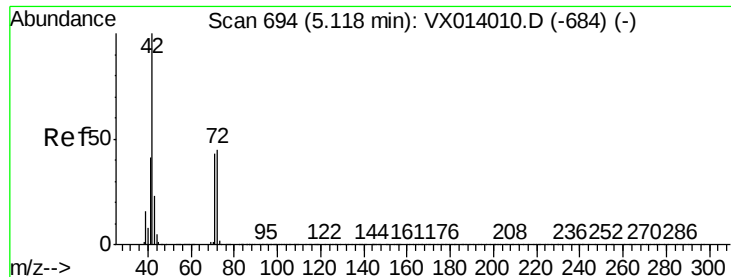


#28

Bromochloromethane
Concen: 170.925 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX014012.D
Acq: 13 Dec 2019 16:45

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	594697		
129	2.2	0.0	5.0	
130	79.3	64.6	97.0	





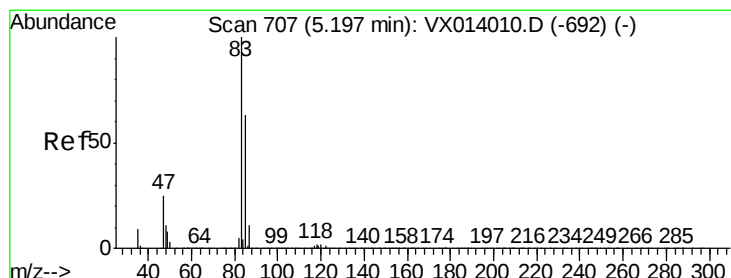
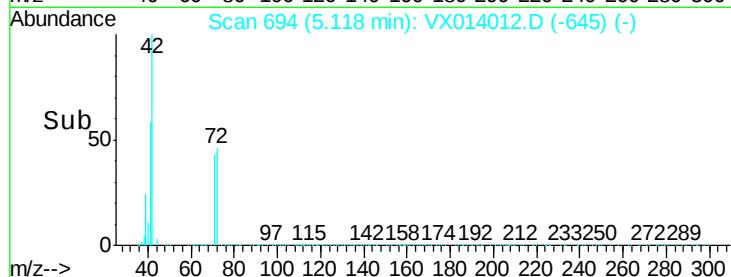
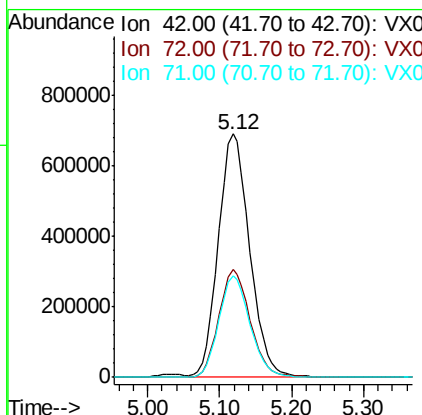
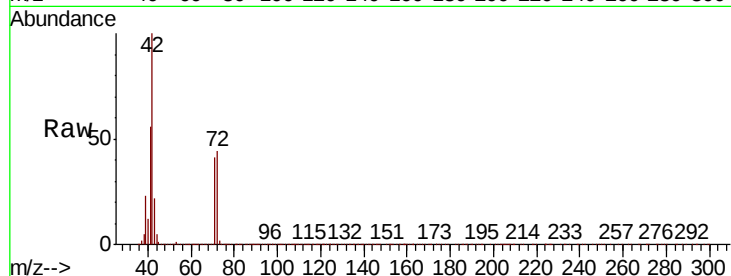
#29
Tetrahydrofuran
Concen: 745.240 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.00 min
Lab File: VX014012.D
Acq: 13 Dec 2019 16:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 42 Resp: 2087333
Ion Ratio Lower Upper
42 100
72 44.5 35.8 53.8
71 41.5 33.6 50.4

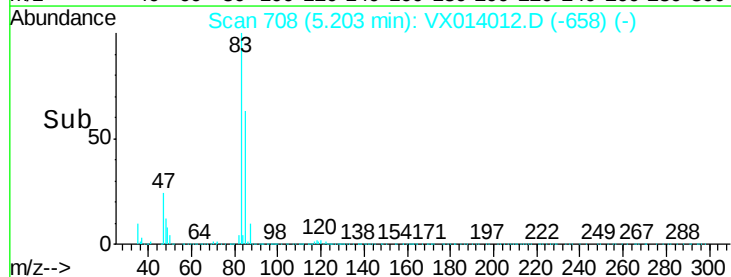
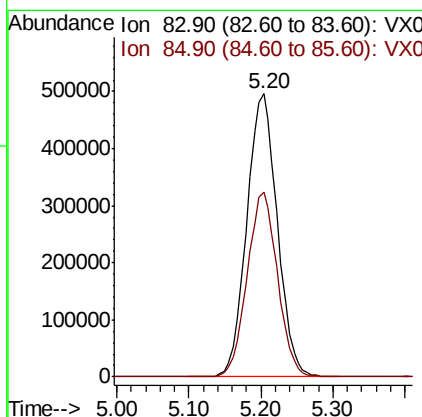
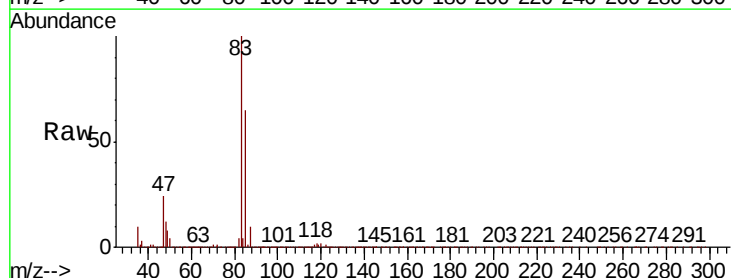
Manual Integrations
APPROVED

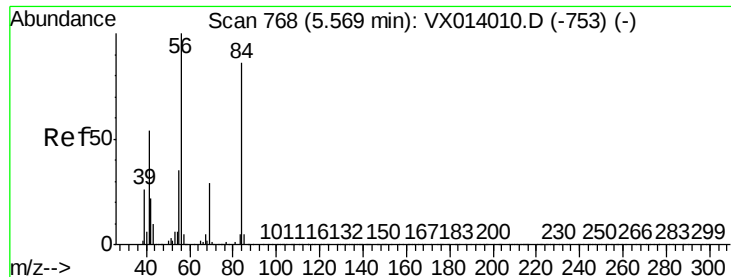
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#30
Chloroform
Concen: 146.153 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.01 min
Lab File: VX014012.D
Acq: 13 Dec 2019 16:45

Tgt Ion: 83 Resp: 1457923
Ion Ratio Lower Upper
83 100
85 65.1 50.8 76.2





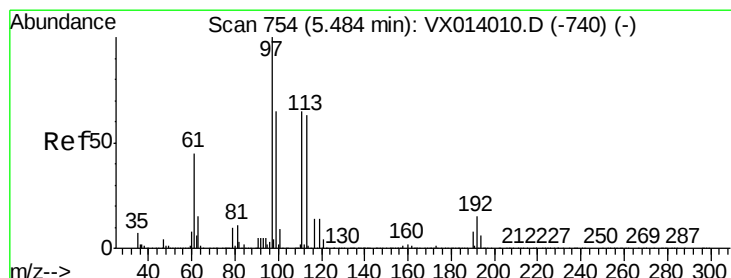
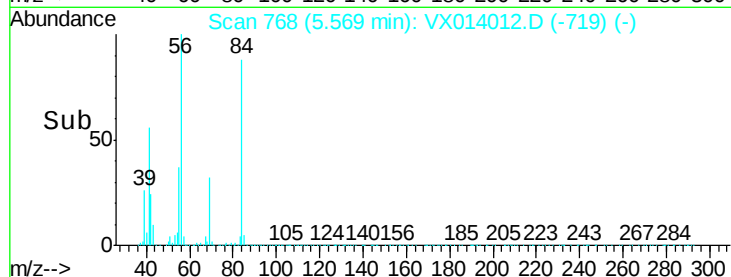
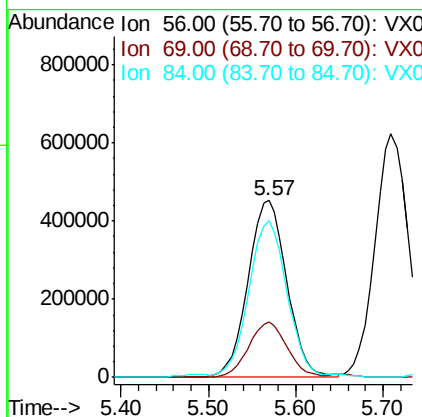
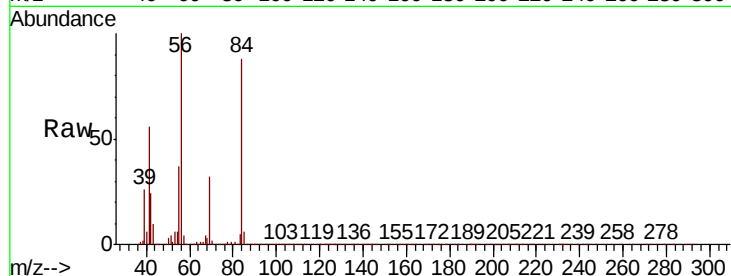
#31
Cyclohexane
Concen: 149.543 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX014012.D
Acq: 13 Dec 2019 16:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 56 Resp: 1393293
Ion Ratio Lower Upper
56 100
69 31.7 23.2 34.8
84 87.1 69.2 103.8

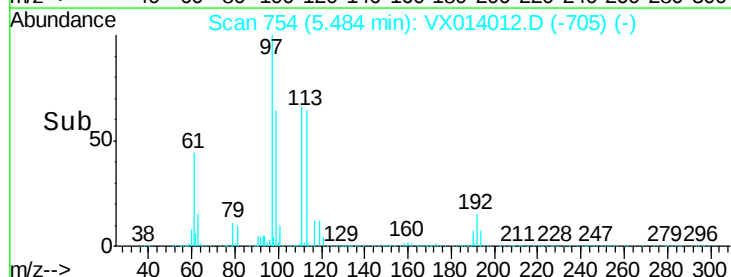
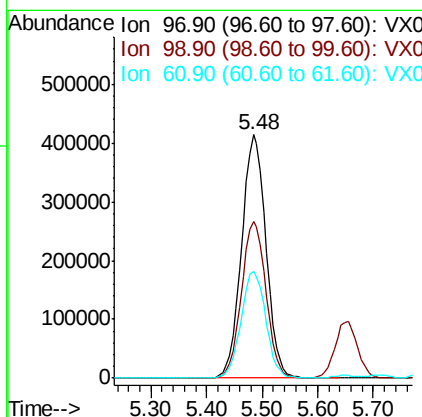
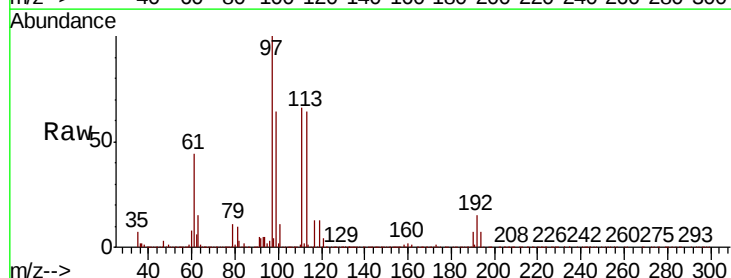
Manual Integrations
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#32
1,1,1-Trichloroethane
Concen: 151.096 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX014012.D
Acq: 13 Dec 2019 16:45

Tgt Ion: 97 Resp: 1258831
Ion Ratio Lower Upper
97 100
99 64.9 52.0 78.0
61 44.3 36.7 55.1





#33

1,2-Dichloroethane-d4

Concen: 148.855 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014012.D

Acq: 13 Dec 2019 16:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 936152

Ion Ratio Lower Upper

65 100

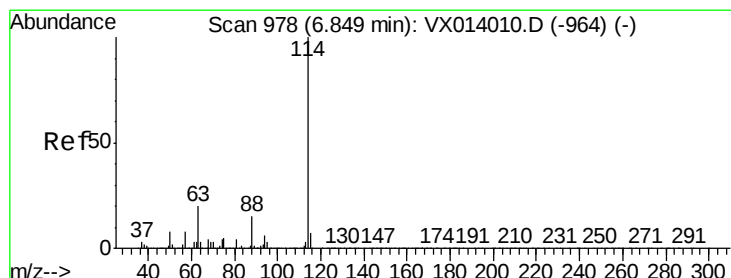
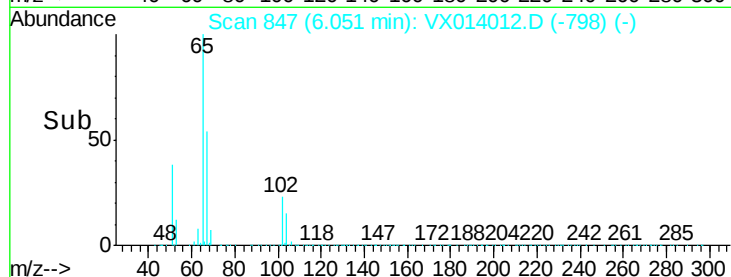
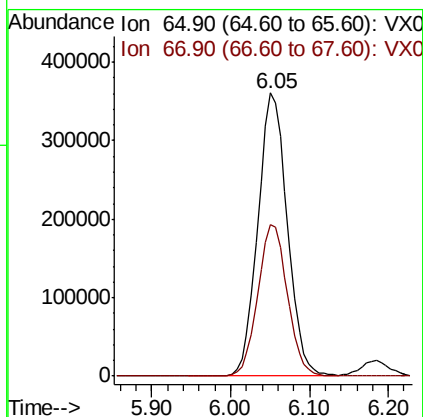
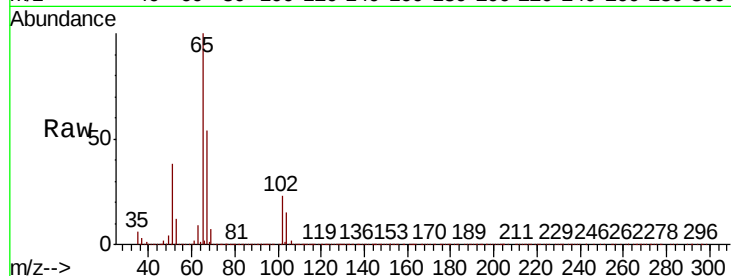
67 53.6 0.0 106.4

Manual Integrations

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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: VX014012.D

Acq: 13 Dec 2019 16:45

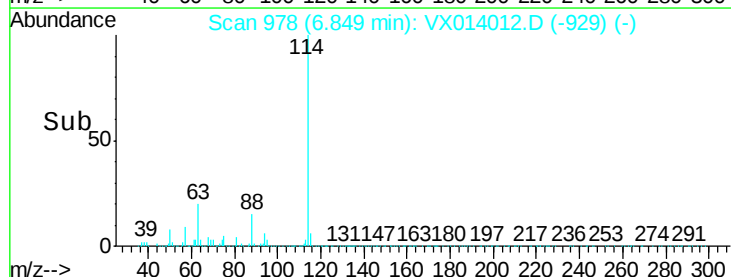
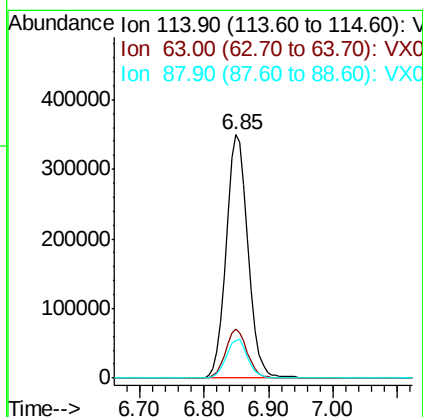
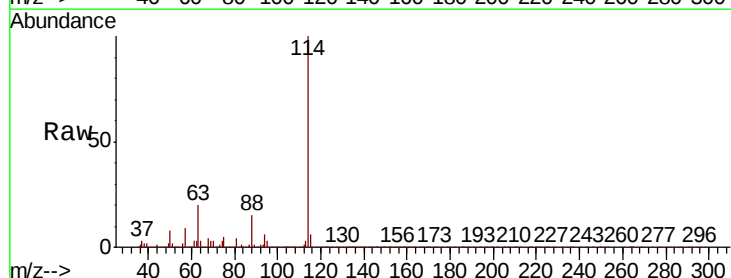
Tgt Ion: 114 Resp: 834820

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.8

88 15.4 0.0 30.4





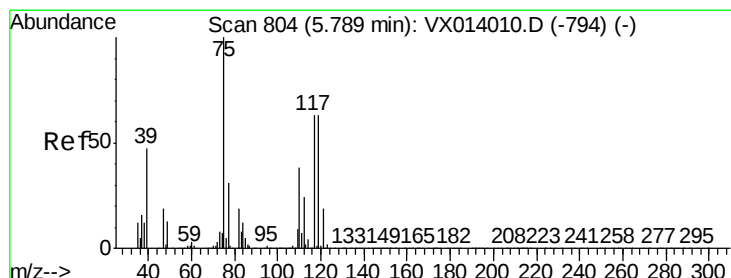
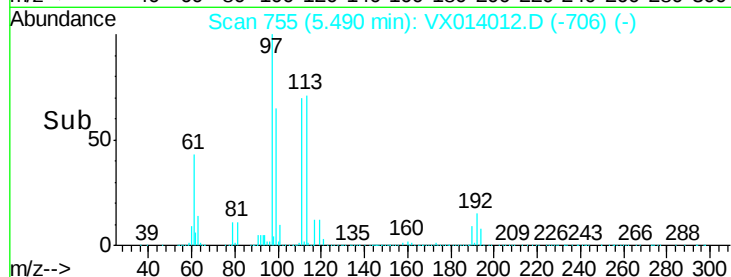
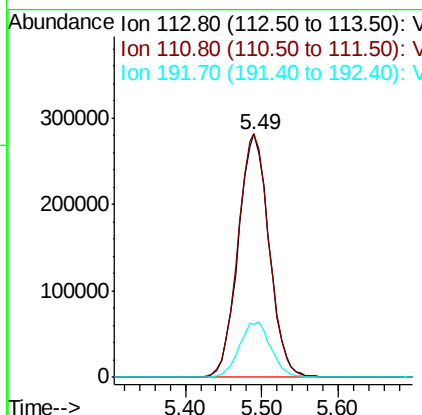
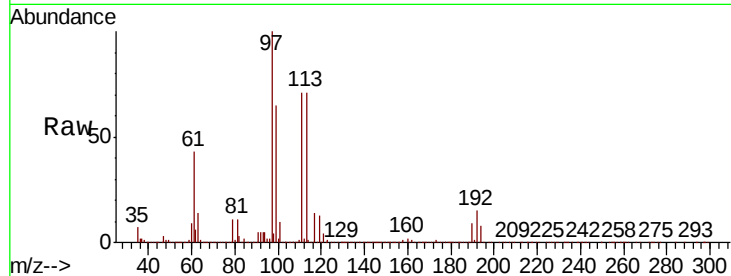
#35
Dibromofluoromethane
Concen: 151.882 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX014012.D
Acq: 13 Dec 2019 16:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	788057		
111	101.4	82.0	123.0	
192	23.2	19.3	28.9	

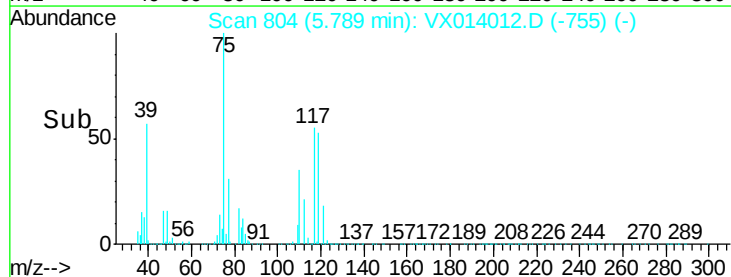
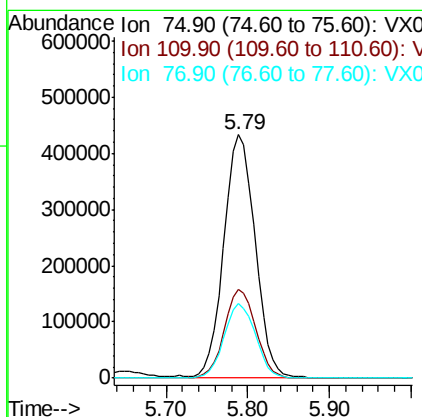
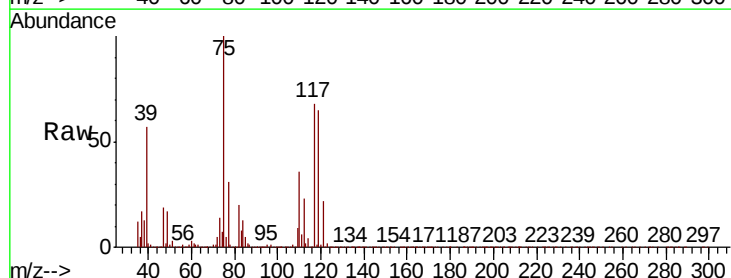
Manual Integrations
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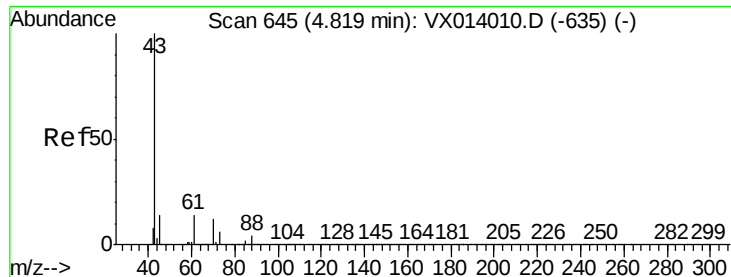
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#36
1,1-Dichloropropene
Concen: 151.372 ug/l
RT: 5.79 min Scan# 804
Delta R.T. 0.00 min
Lab File: VX014012.D
Acq: 13 Dec 2019 16:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1147913		
110	36.4	18.3	54.9	
77	30.7	24.8	37.2	





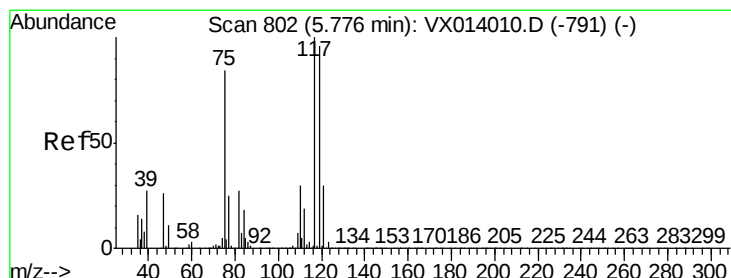
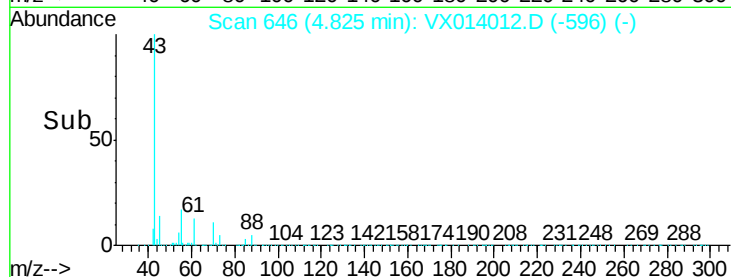
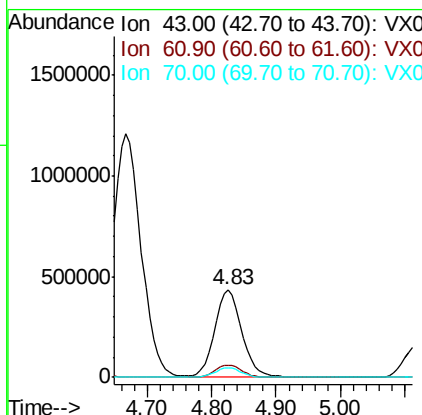
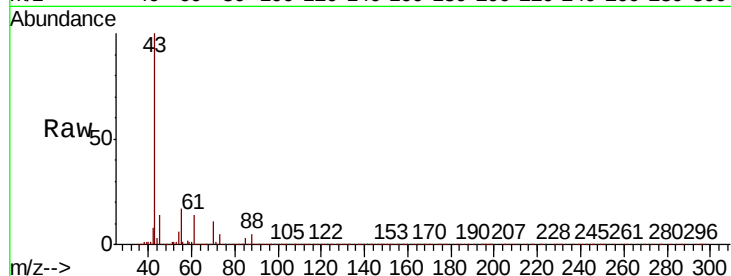
#37
Ethyl Acetate
Concen: 152.166 ug/l
RT: 4.83 min Scan# 646
Delta R.T. 0.01 min
Lab File: VX014012.D
Acq: 13 Dec 2019 16:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.8	16.2
70	10.6	8.6	12.8

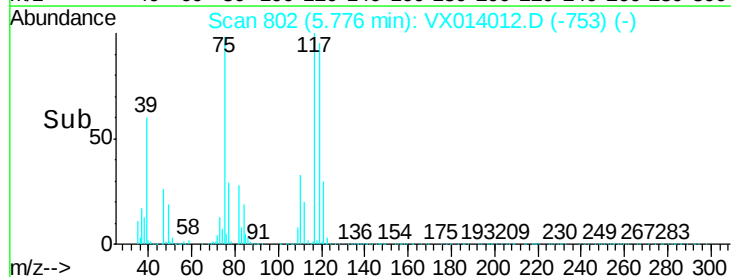
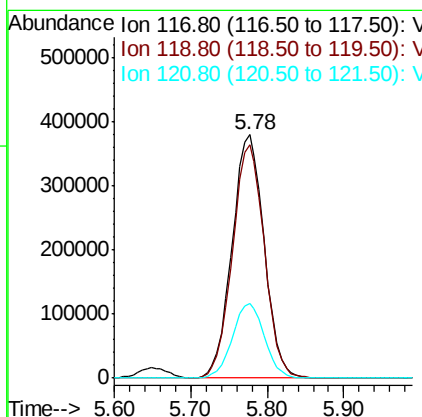
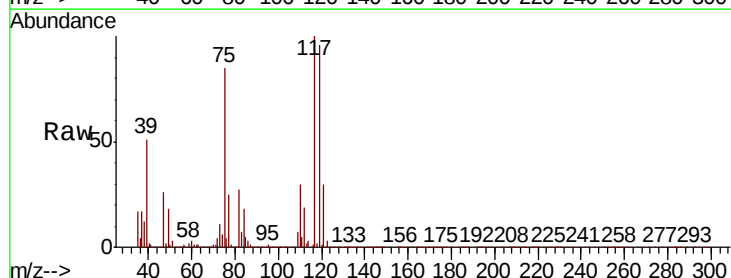
Manual Integrations
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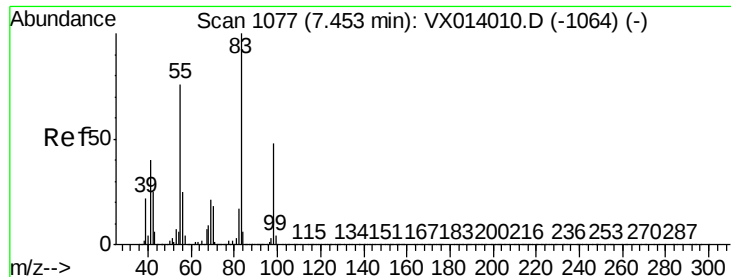
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#38
Carbon Tetrachloride
Concen: 157.180 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX014012.D
Acq: 13 Dec 2019 16:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.2	114.4
121	30.4	23.6	35.4





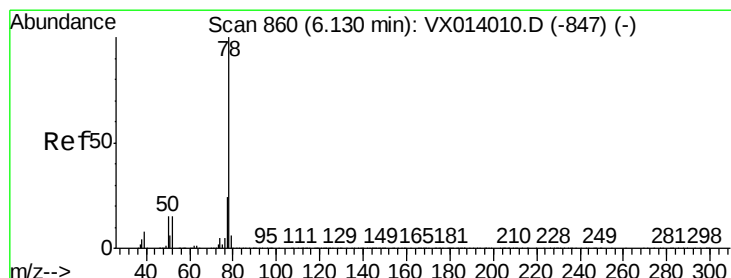
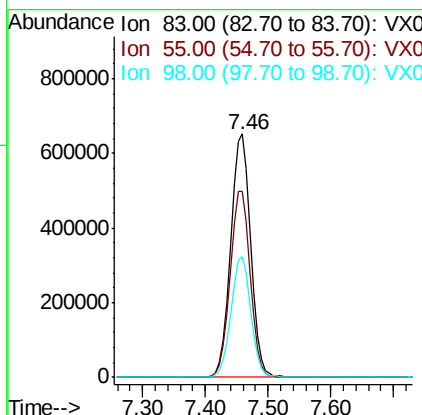
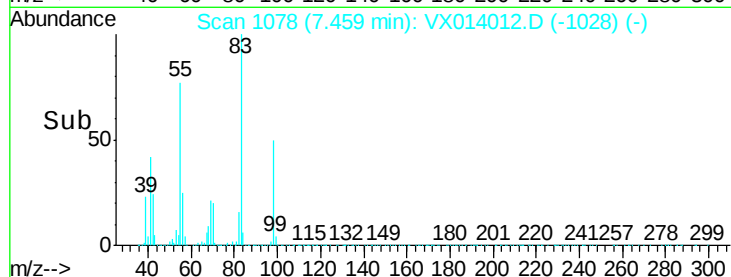
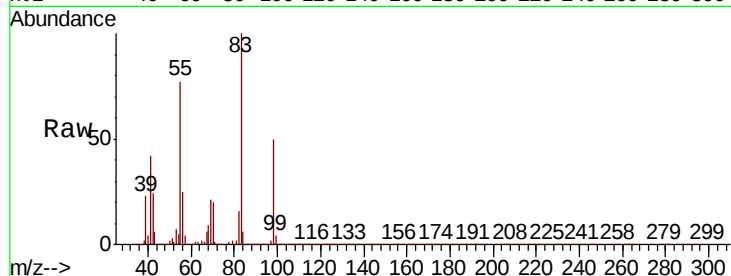
#39
Methvlcvclohexane
Concen: 152.452 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VX014012.D
Acq: 13 Dec 2019 16:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.6	61.0	91.6
98	49.6	38.6	57.8

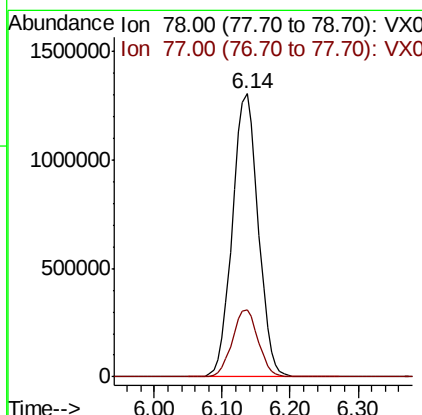
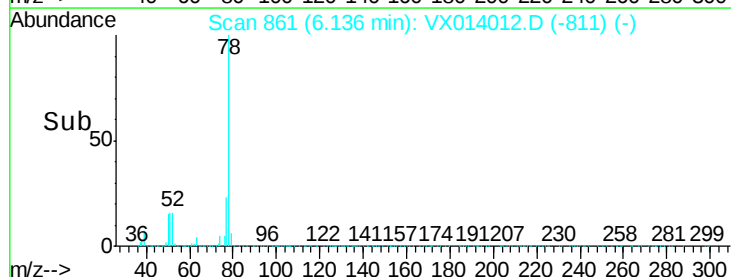
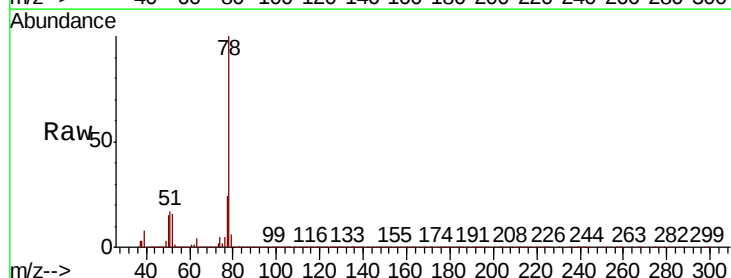
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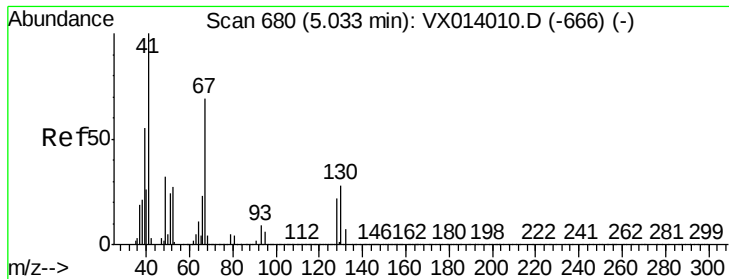
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#40
Benzene
Concen: 148.726 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX014012.D
Acq: 13 Dec 2019 16:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2





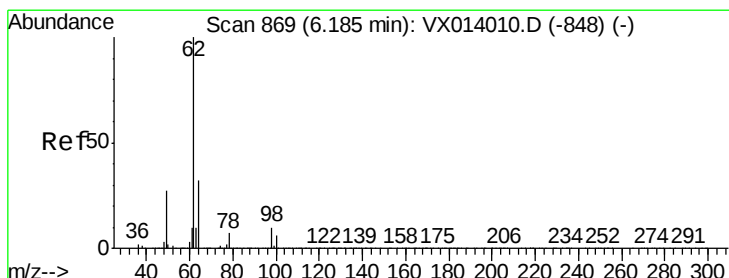
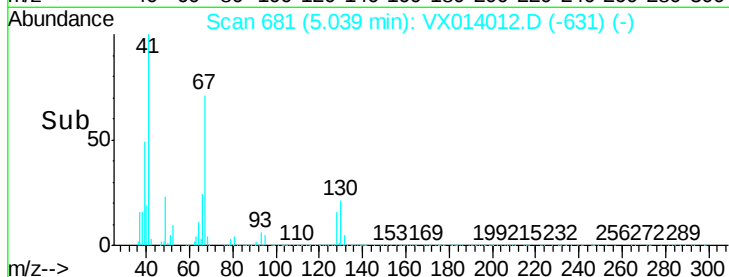
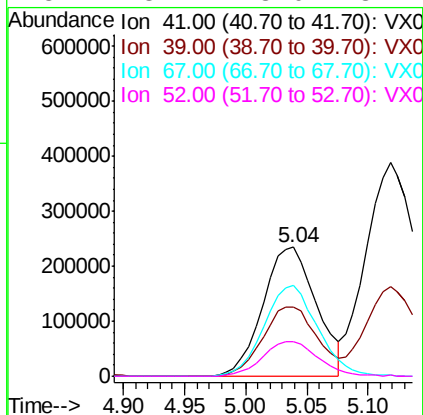
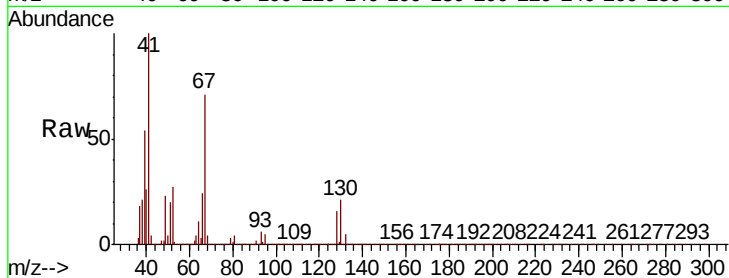
#41
Methacrylonitrile
Concen: 154.915 ug/l
RT: 5.04 min Scan# 681
Delta R.T. 0.01 min
Lab File: VX014012.D
Acq: 13 Dec 2019 16:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.3	44.5	66.7	
67	70.9	57.4	86.0	
52	28.2	23.0	34.4	

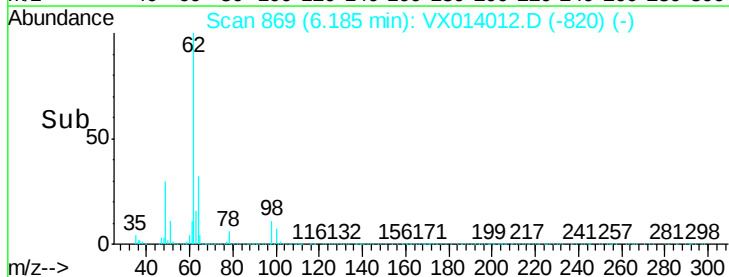
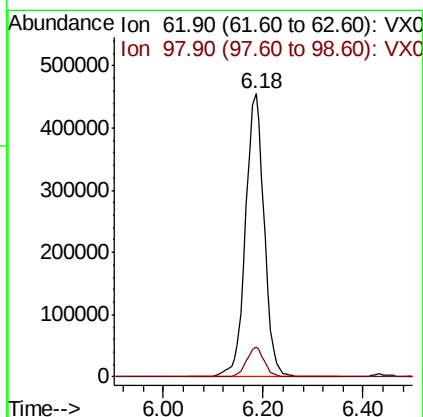
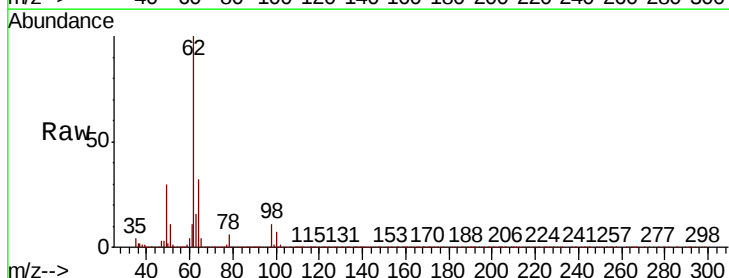
Manual Integrations
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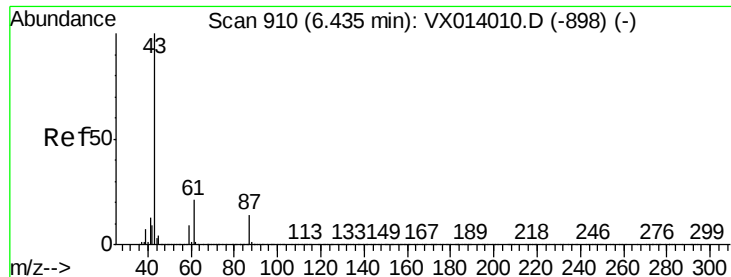
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#42
1,2-Dichloroethane
Concen: 149.634 ug/l
RT: 6.18 min Scan# 869
Delta R.T. 0.00 min
Lab File: VX014012.D
Acq: 13 Dec 2019 16:45

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	0.0	21.0	





#43

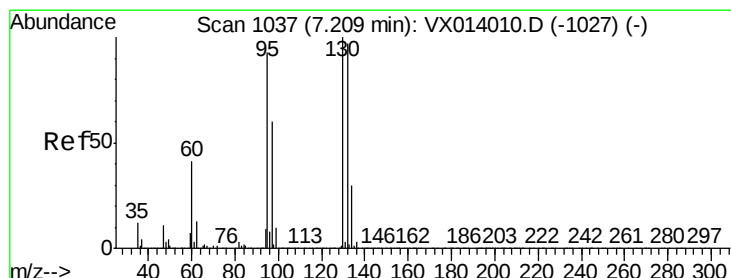
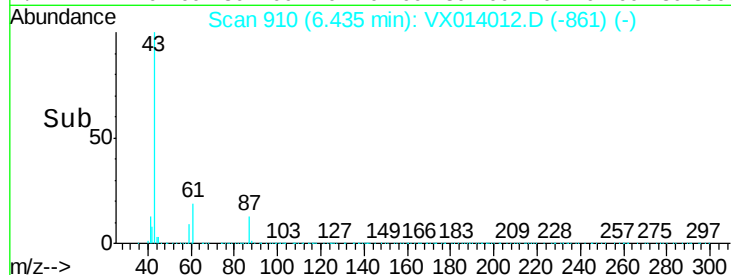
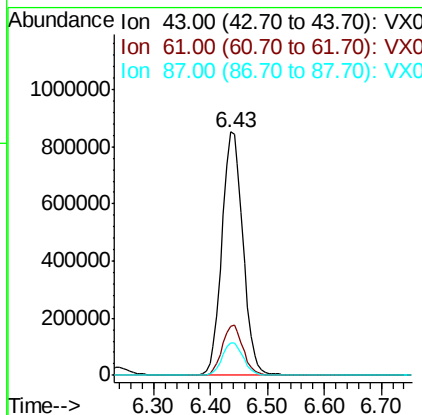
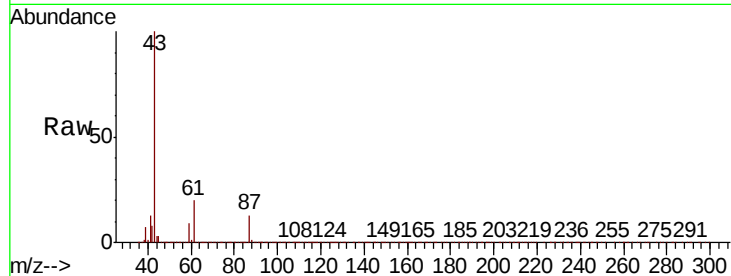
Isopropyl Acetate
 Concen: 156.119 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	16.4	24.6
87	13.2	10.7	16.1

Manual Integrations
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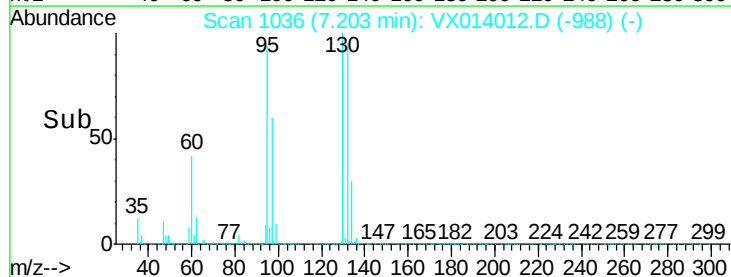
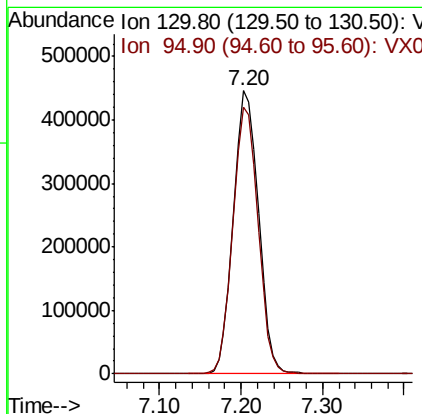
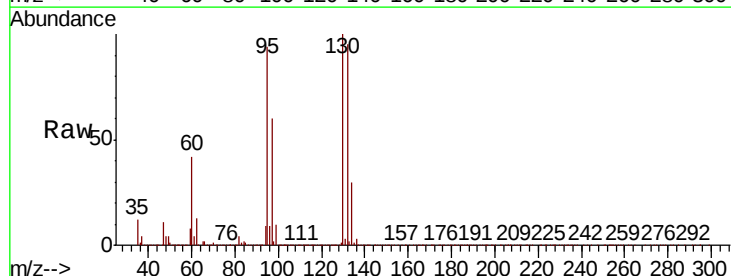
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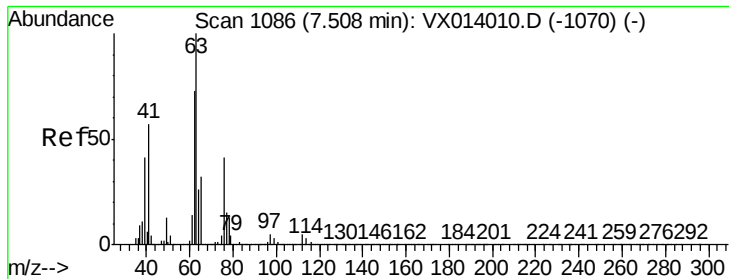


#44

Trichloroethene
 Concen: 149.877 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.2	0.0	185.6





#45

1,2-Dichloropropane

Concen: 154.137 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX014012.D

Acq: 13 Dec 2019 16:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 63 Resp: 894252

Ion Ratio Lower Upper

63 100

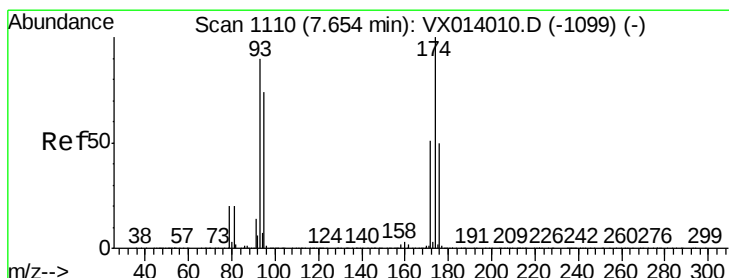
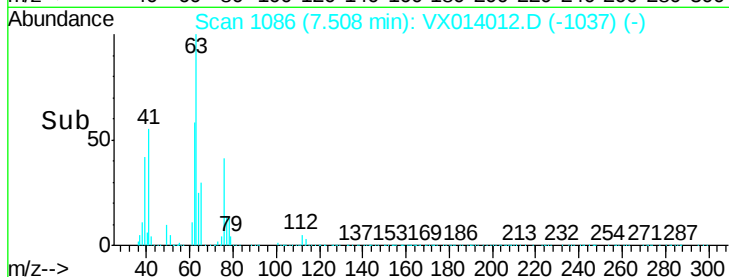
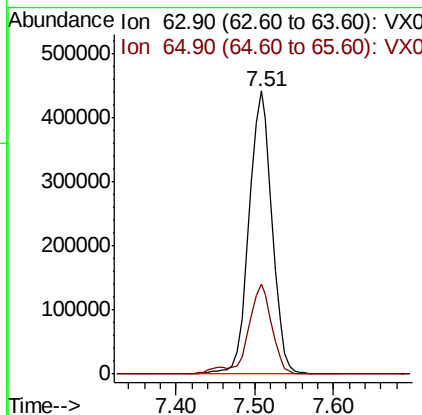
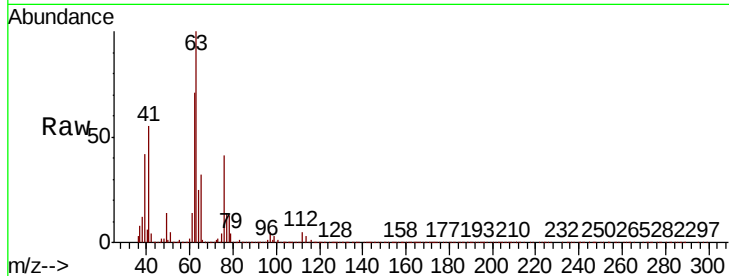
65 31.6 25.8 38.8

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#46

Dibromomethane

Concen: 149.129 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX014012.D

Acq: 13 Dec 2019 16:45

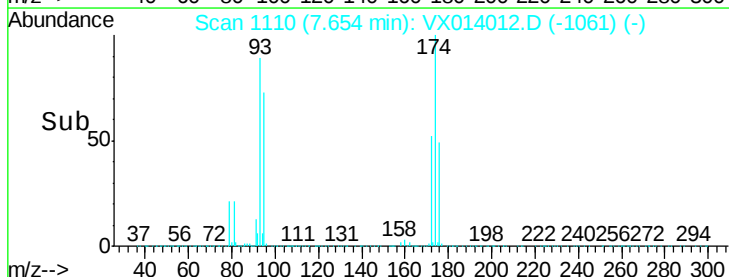
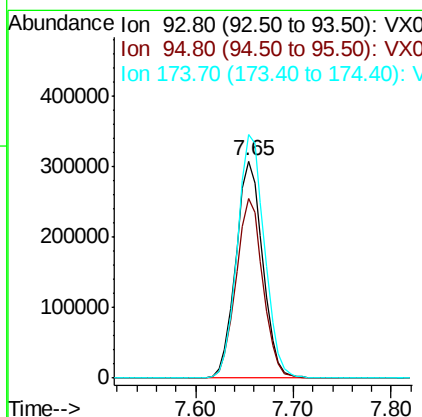
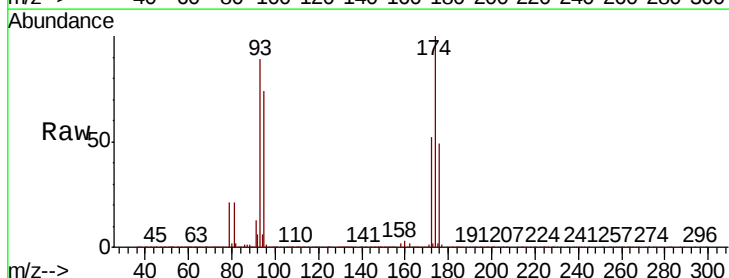
Tgt Ion: 93 Resp: 585568

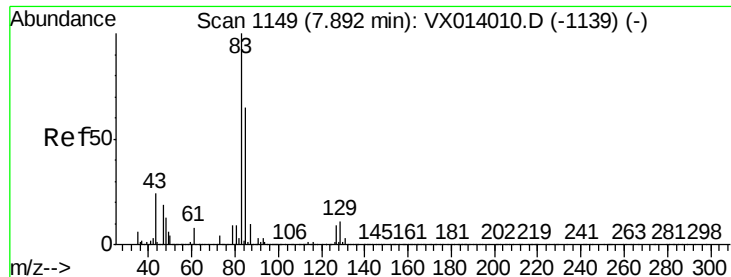
Ion Ratio Lower Upper

93 100

95 82.7 67.3 100.9

174 113.8 91.6 137.4





#47

Bromodichloromethane

Concen: 159.175 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX014012.D

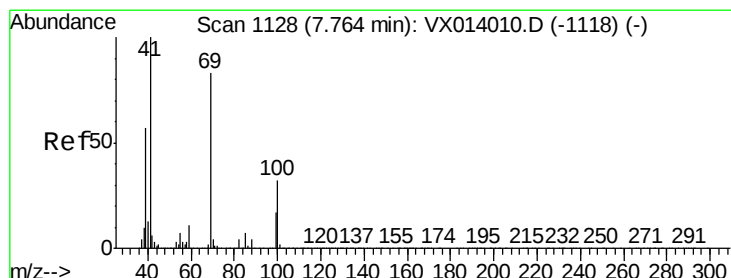
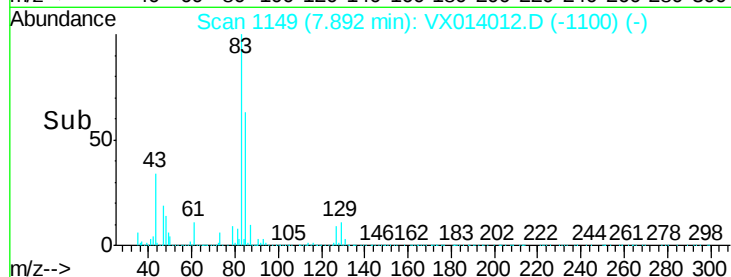
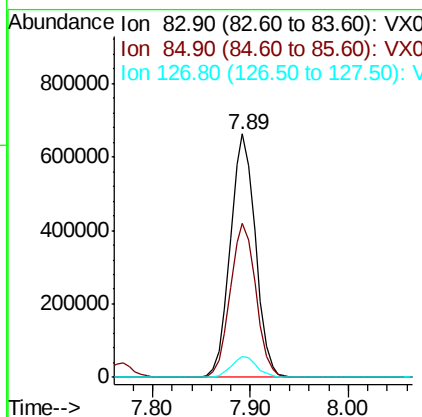
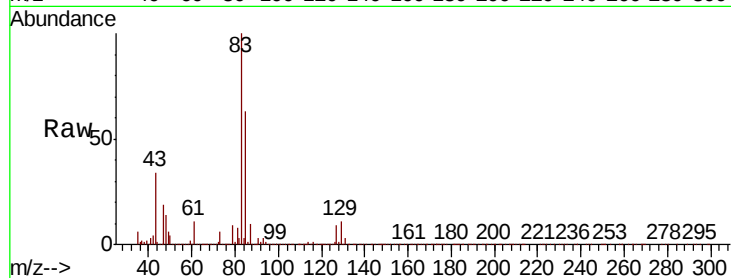
Acq: 13 Dec 2019 16:45

Tot Ion:	83	Resp:	1181251
Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.8	77.8
127	8.5	7.0	10.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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#48

Methyl methacrylate

Concen: 158.165 ug/l

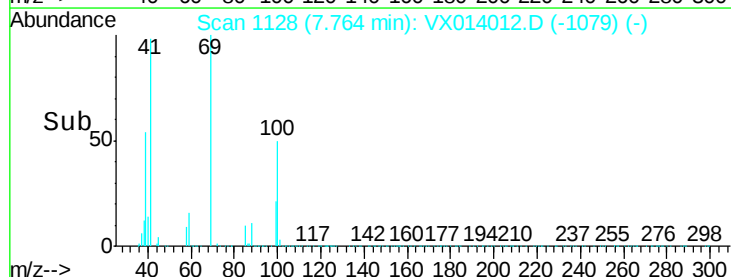
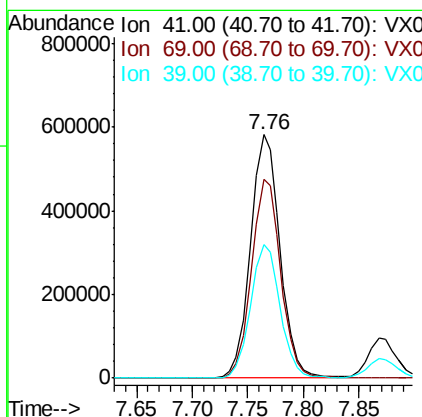
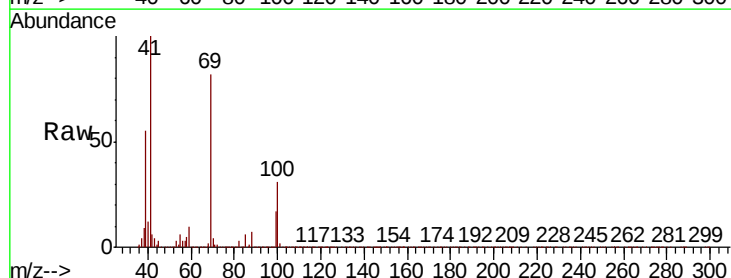
RT: 7.76 min Scan# 1128

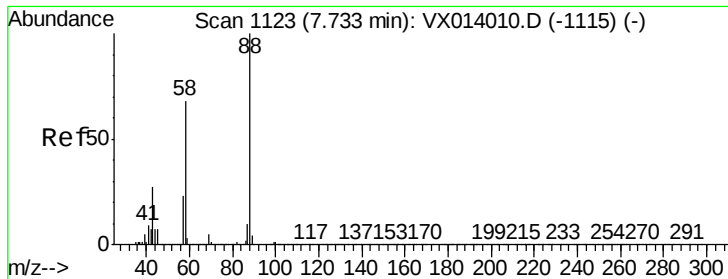
Delta R.T. 0.00 min

Lab File: VX014012.D

Acq: 13 Dec 2019 16:45

Tgt Ion:	41	Resp:	1071509
Ion	Ratio	Lower	Upper
41	100		
69	81.6	65.8	98.6
39	55.0	44.6	67.0





#49

1,4-Dioxane

Concen: 2642.701 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX014012.D

Acq: 13 Dec 2019 16:45

Instrument :

MSVOA_X

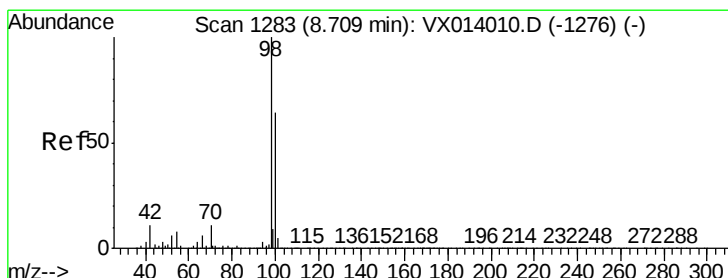
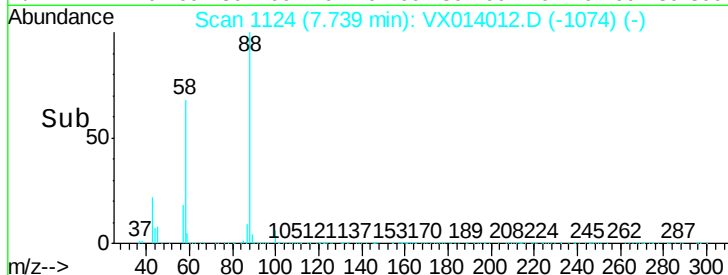
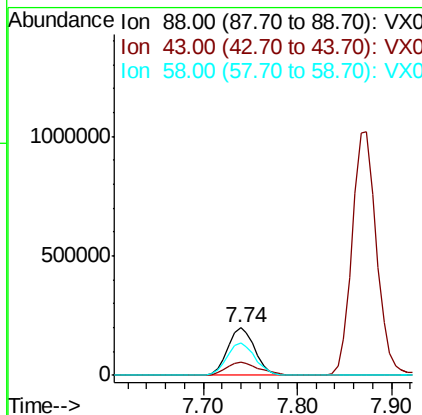
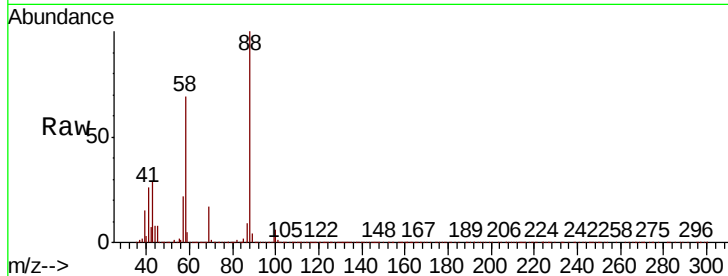
ClientSampleId :

VSTDICC150

Tot Ion:	88	Resp:	394321
Ion Ratio		Lower	Upper
88	100		
43	32.8	26.5	39.7
58	70.6	56.8	85.2

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#50

Toluene-d8

Concen: 147.689 ug/l

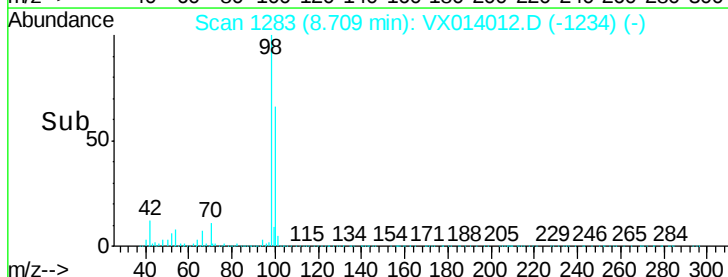
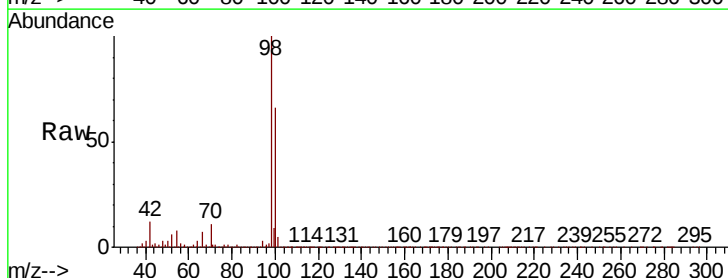
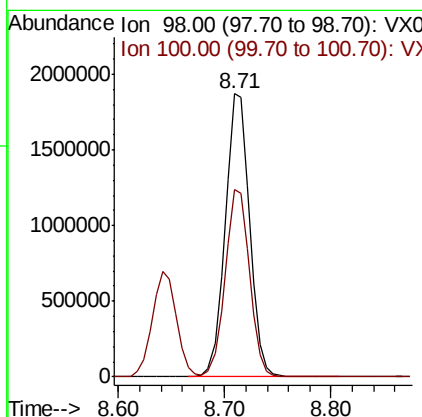
RT: 8.71 min Scan# 1283

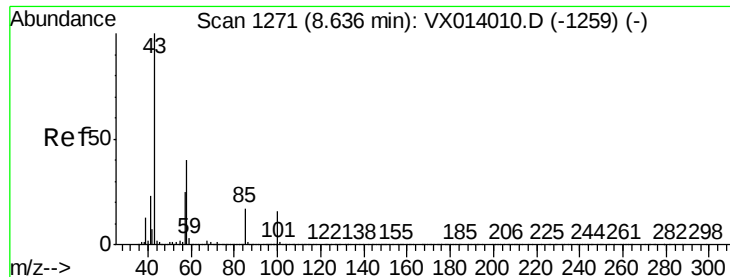
Delta R.T. 0.00 min

Lab File: VX014012.D

Acq: 13 Dec 2019 16:45

Tgt Ion:	98	Resp:	2996447
Ion Ratio		Lower	Upper
98	100		
100	66.5	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 761.881 ug/l

RT: 8.64 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VX014012.D

Acq: 13 Dec 2019 16:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 6685070

Ion Ratio Lower Upper

43 100

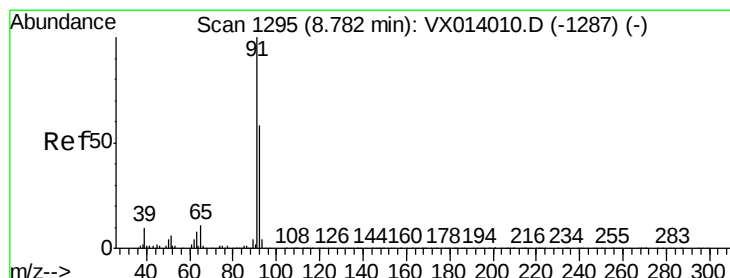
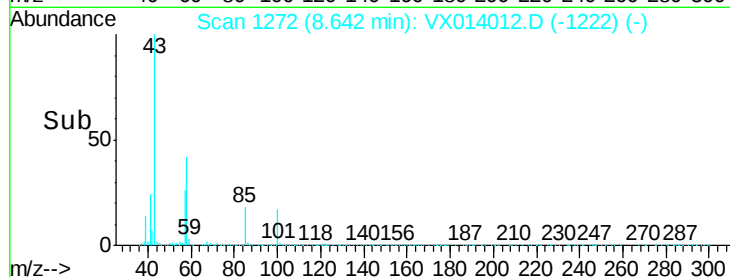
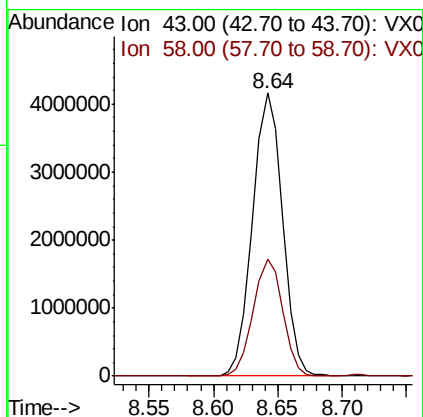
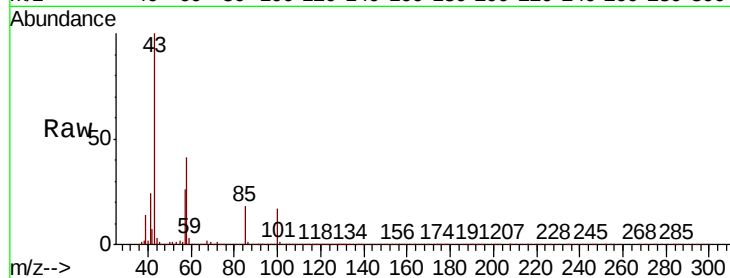
58 40.8 32.2 48.2

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#52

Toluene

Concen: 151.380 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX014012.D

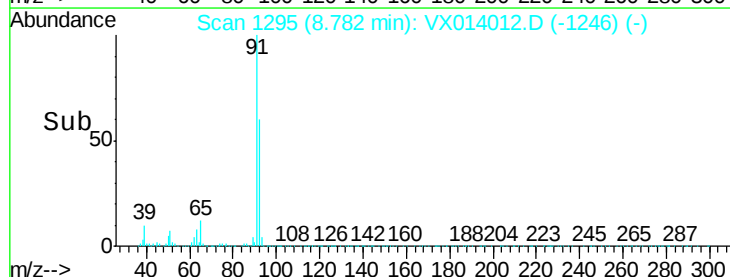
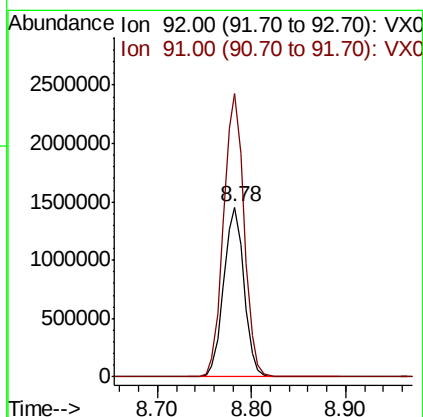
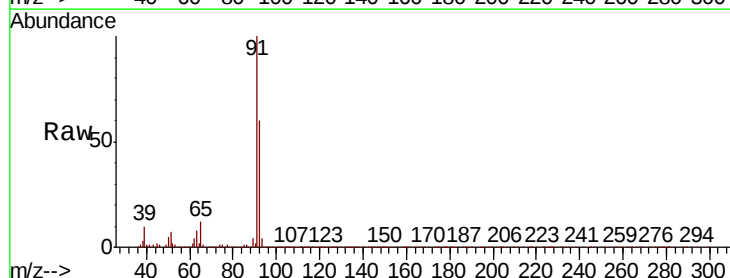
Acq: 13 Dec 2019 16:45

Tgt Ion: 92 Resp: 2179460

Ion Ratio Lower Upper

92 100

91 168.5 136.2 204.4





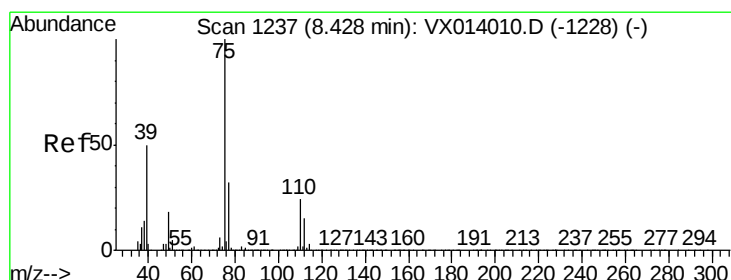
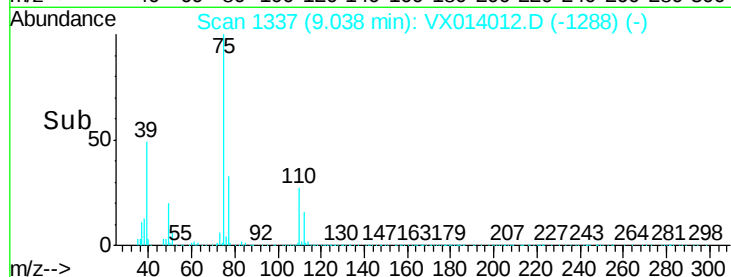
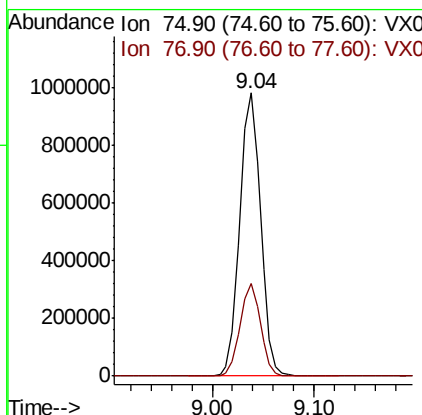
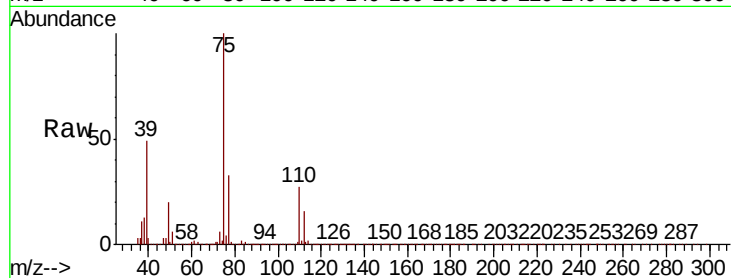
#53
t-1,3-Dichloropropene
Concen: 164.046 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX014012.D
Acq: 13 Dec 2019 16:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 1384848
Ion Ratio Lower Upper
75 100
77 32.5 25.1 37.7

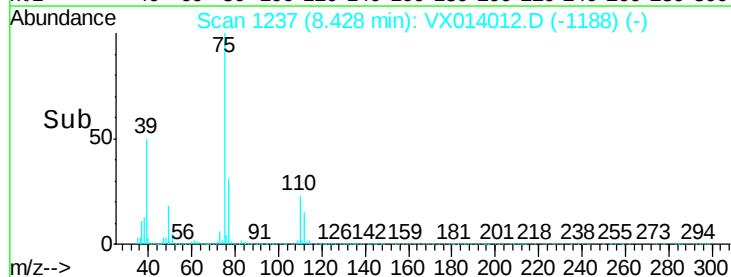
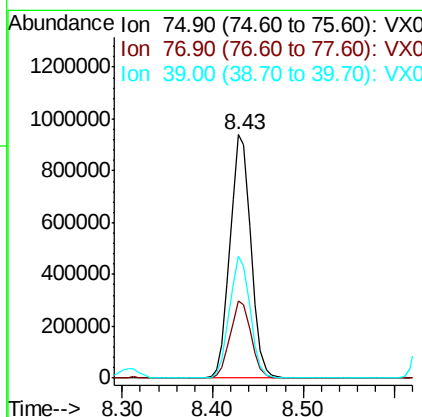
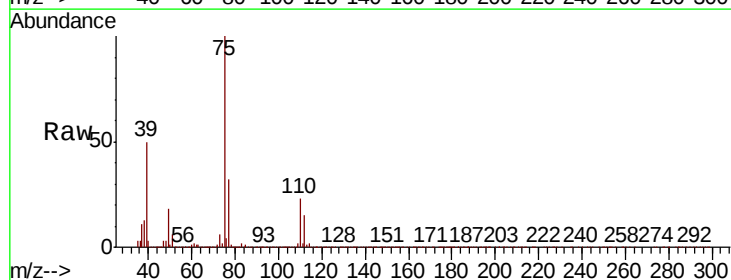
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#54
cis-1,3-Dichloropropene
Concen: 161.997 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX014012.D
Acq: 13 Dec 2019 16:45

Tgt Ion: 75 Resp: 1495505
Ion Ratio Lower Upper
75 100
77 31.5 25.3 37.9
39 50.3 39.9 59.9





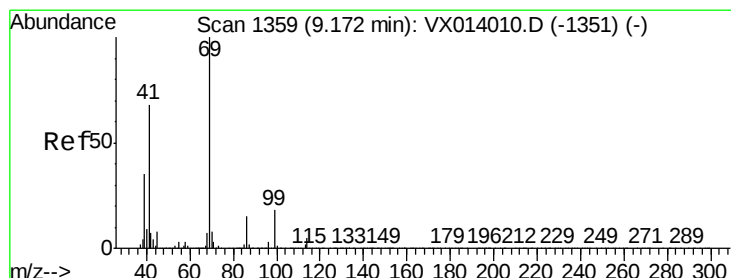
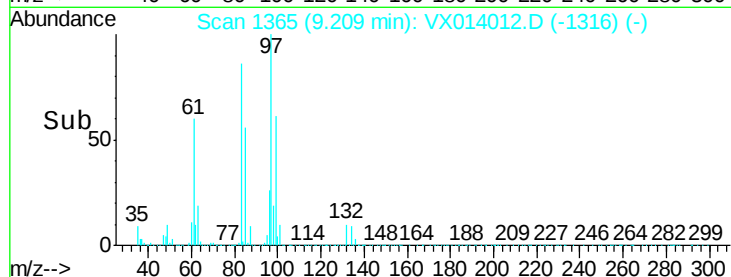
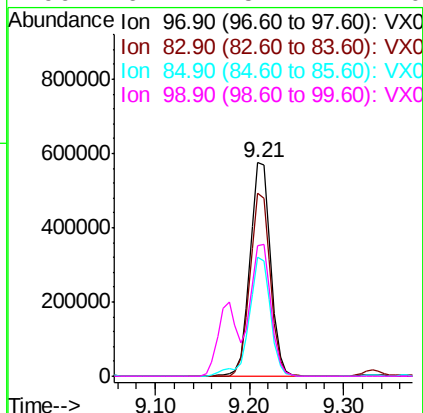
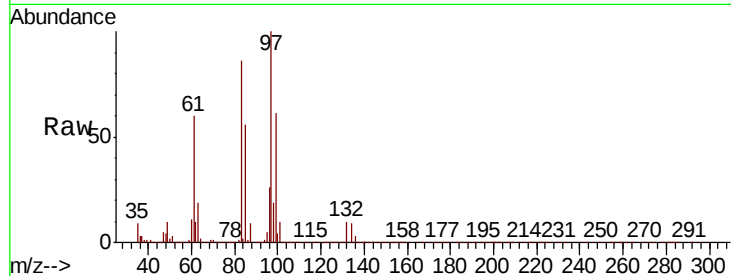
#55
 1,1,2-Trichloroethane
 Concen: 152.917 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	85.6	68.2	102.4	
85	55.5	44.6	66.8	
99	61.2	51.4	77.0	

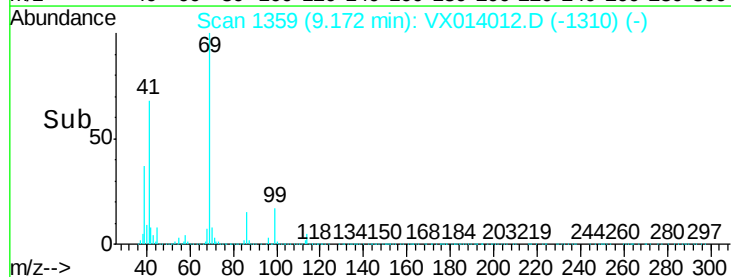
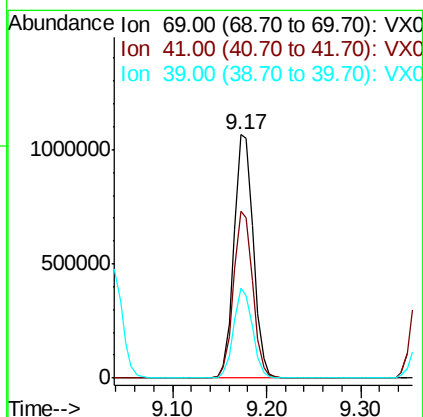
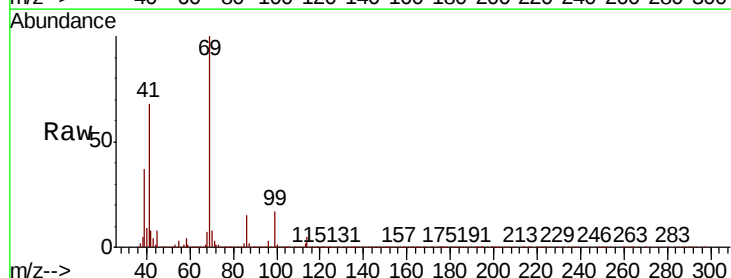
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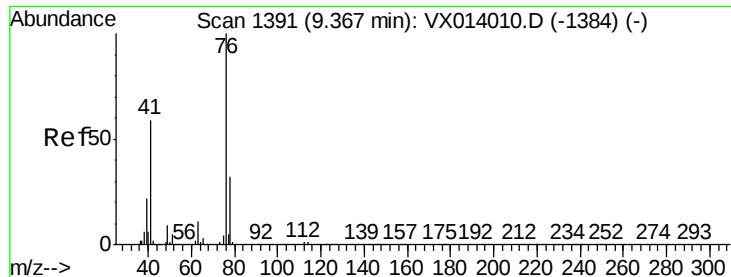
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#56
 Ethyl methacrylate
 Concen: 162.809 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX014012.D
 Acq: 13 Dec 2019 16:45

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	67.7	54.8	82.2	
39	35.7	28.3	42.5	





#57

1,3-Dichloropropane

Concen: 149.395 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX014012.D

Acq: 13 Dec 2019 16:45

Tot Ion: 76 Resp: 1493883

Ion Ratio Lower Upper

76 100

78 32.4 25.8 38.6

Instrument :

MSVOA_X

ClientSampleId :

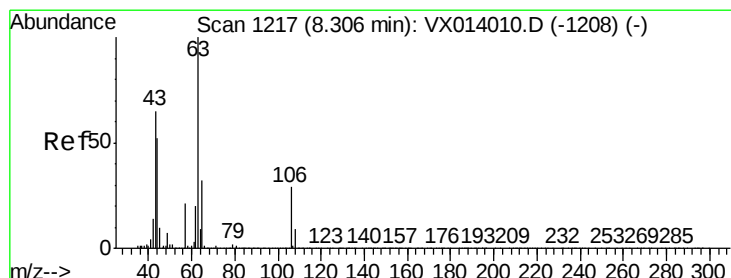
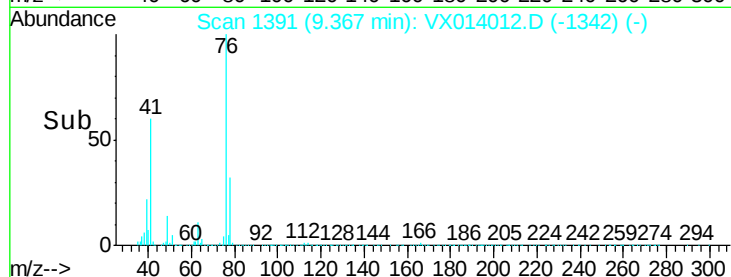
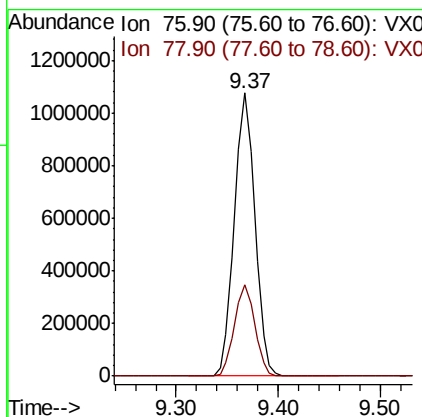
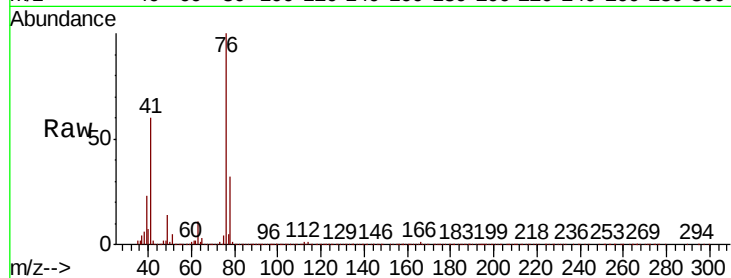
VSTDIC150

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#58

2-Chloroethyl Vinyl ether

Concen: 780.770 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX014012.D

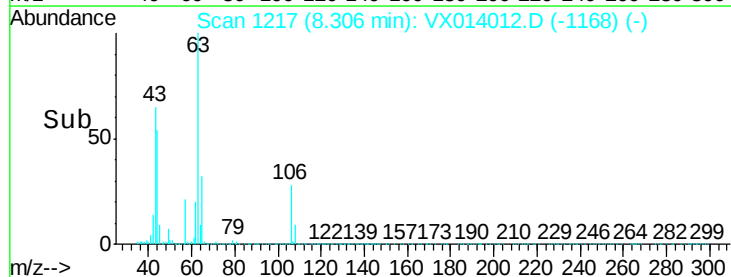
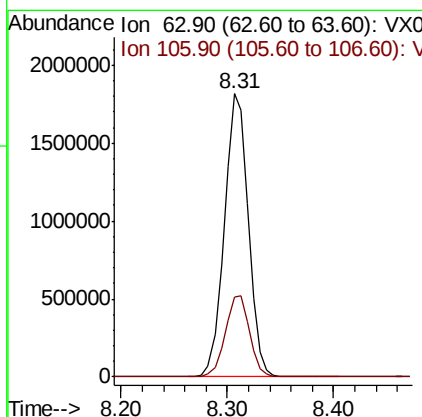
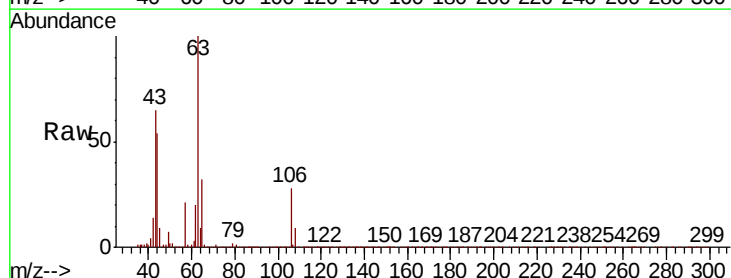
Acq: 13 Dec 2019 16:45

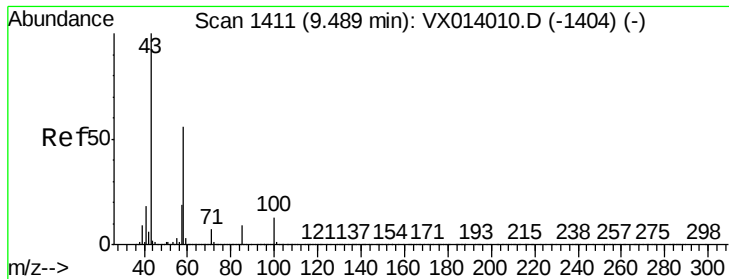
Tgt Ion: 63 Resp: 2855998

Ion Ratio Lower Upper

63 100

106 29.1 23.0 34.6





#59

2-Hexanone

Concen: 788.686 ug/l

RT: 9.49 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VX014012.D

Acq: 13 Dec 2019 16:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 5445631

Ion Ratio Lower Upper

43 100

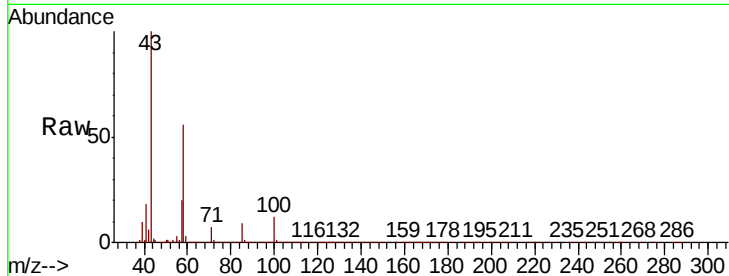
58 56.4 28.0 84.0

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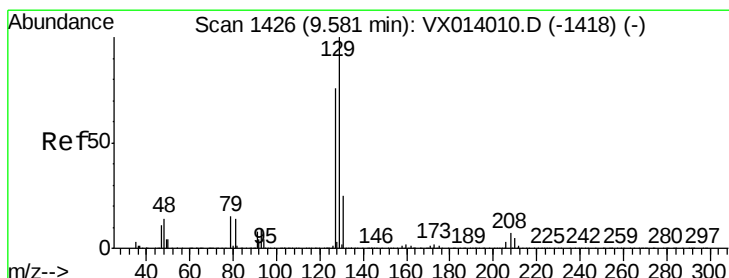
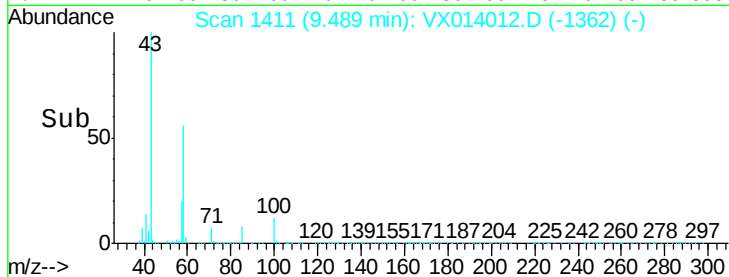
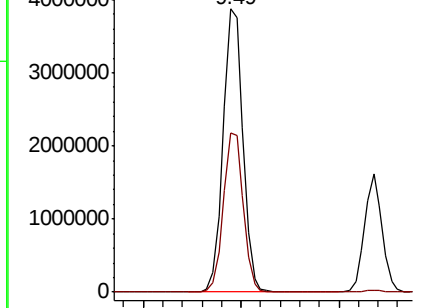
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#60

Dibromochloromethane

Concen: 164.651 ug/l

RT: 9.58 min Scan# 1426

Delta R.T. 0.00 min

Lab File: VX014012.D

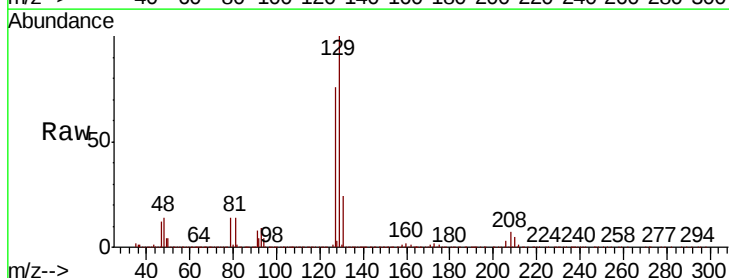
Acq: 13 Dec 2019 16:45

Tgt Ion: 129 Resp: 986592

Ion Ratio Lower Upper

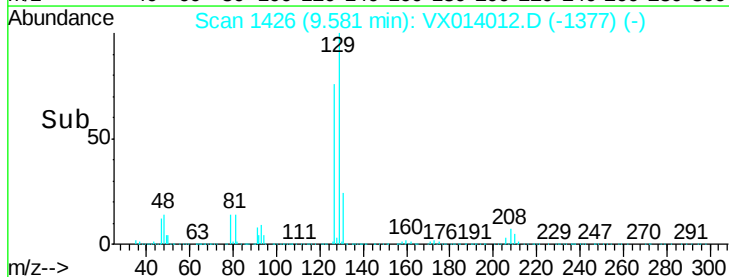
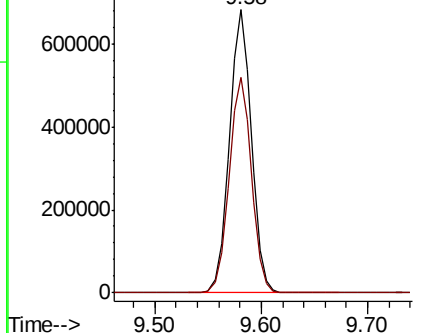
129 100

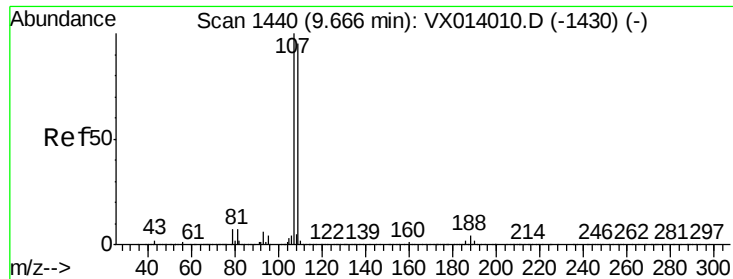
127 77.0 38.4 115.2



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 151.608 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX014012.D

Acq: 13 Dec 2019 16:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 107 Resp: 937046

Ion Ratio Lower Upper

107 100

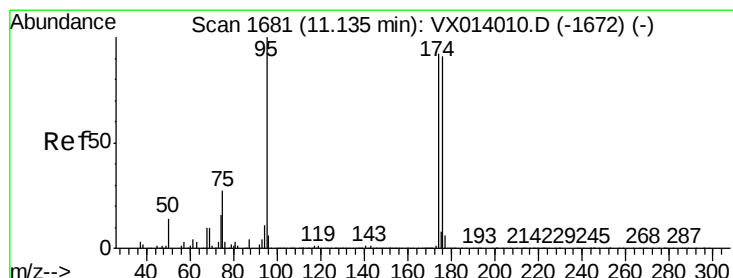
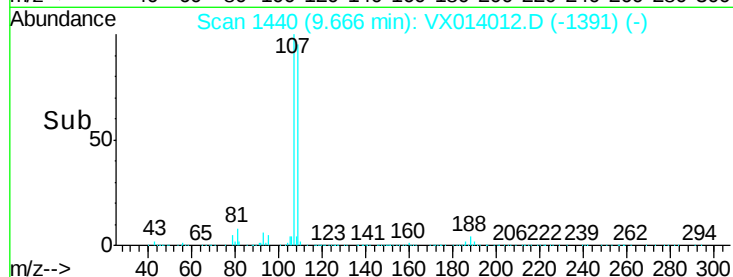
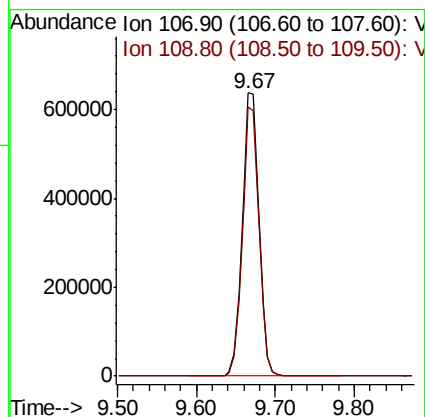
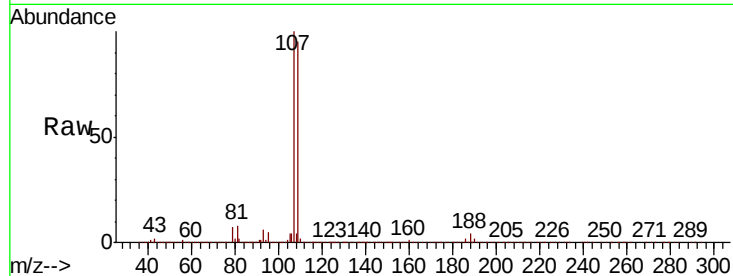
109 94.2 75.7 113.5

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#62

4-Bromofluorobenzene

Concen: 157.278 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX014012.D

Acq: 13 Dec 2019 16:45

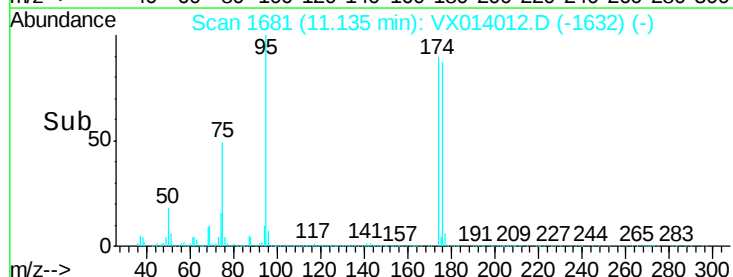
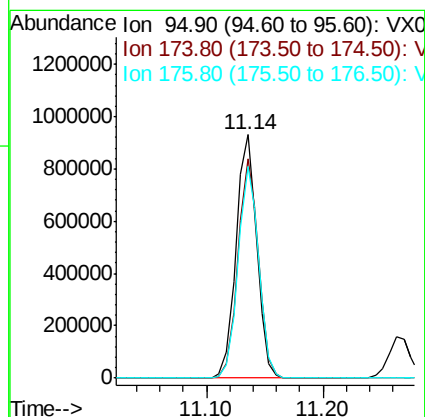
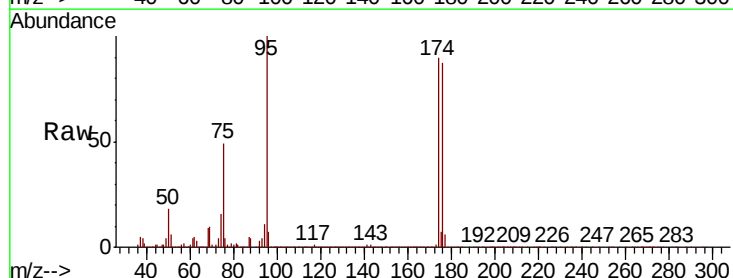
Tgt Ion: 95 Resp: 1153758

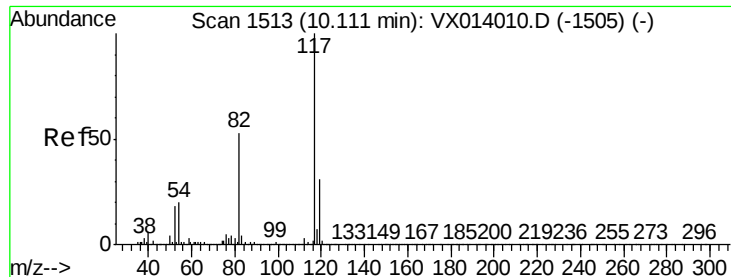
Ion Ratio Lower Upper

95 100

174 89.2 0.0 175.8

176 86.6 0.0 173.0





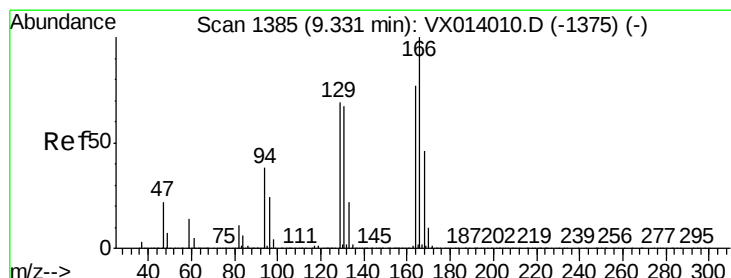
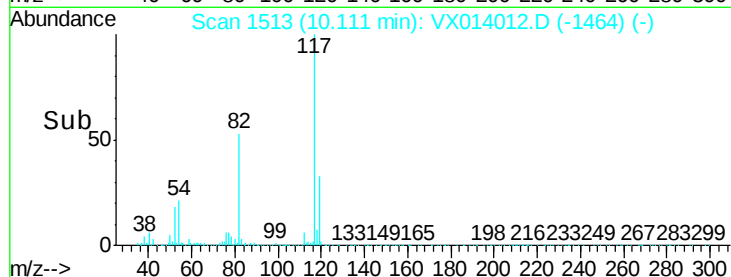
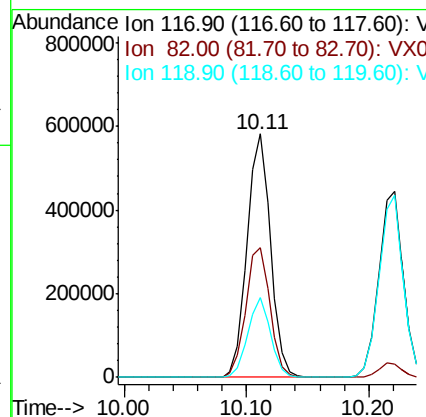
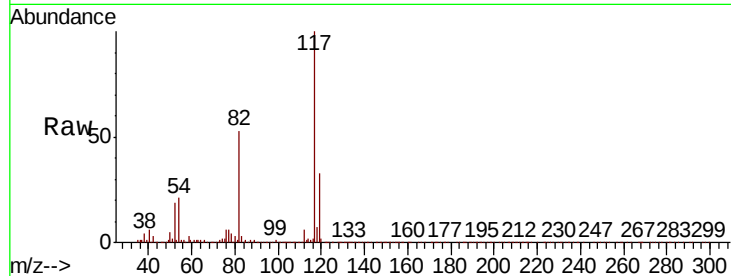
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014012.D
Acq: 13 Dec 2019 16:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	42.2	63.4
119	32.6	25.1	37.7

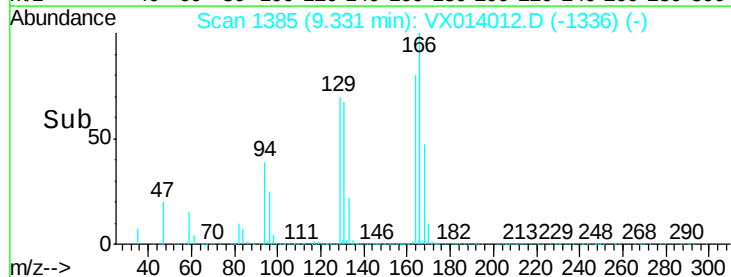
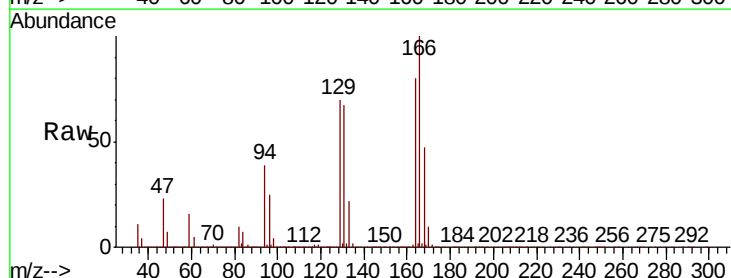
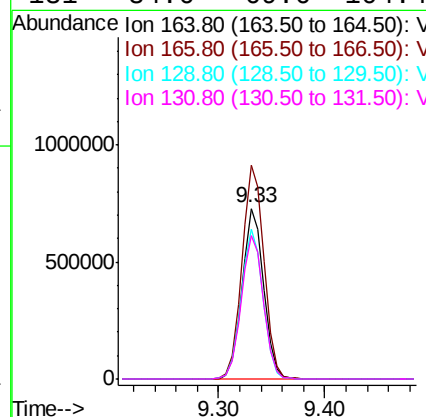
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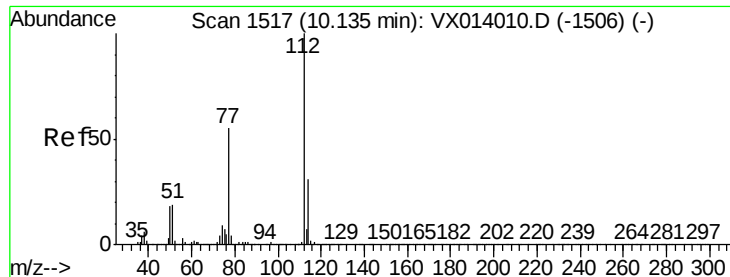
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#64
Tetrachloroethene
Concen: 174.689 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014012.D
Acq: 13 Dec 2019 16:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.4	104.0	156.0
129	88.0	72.2	108.4
131	84.6	69.6	104.4





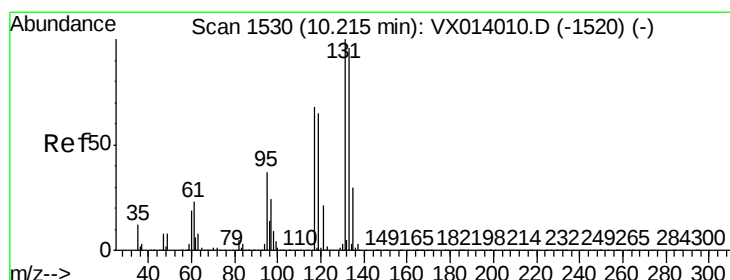
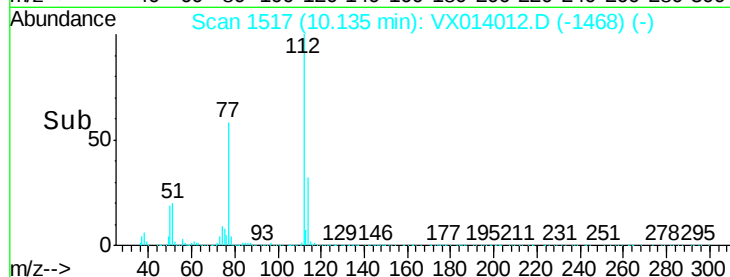
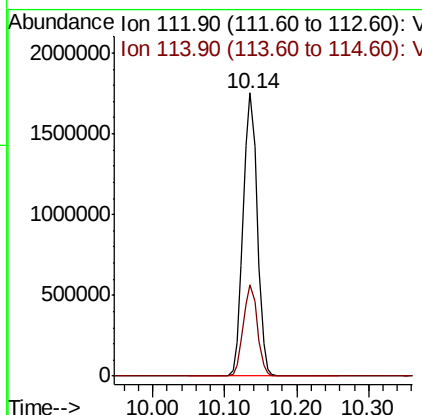
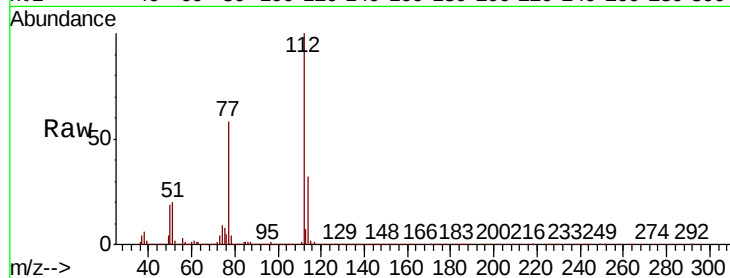
#65
Chlorobenzene
Concen: 147.659 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX014012.D
Acq: 13 Dec 2019 16:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 2375571
Ion Ratio Lower Upper
112 100
114 32.4 24.9 37.3

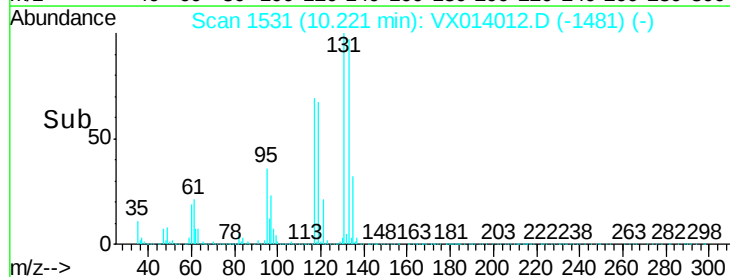
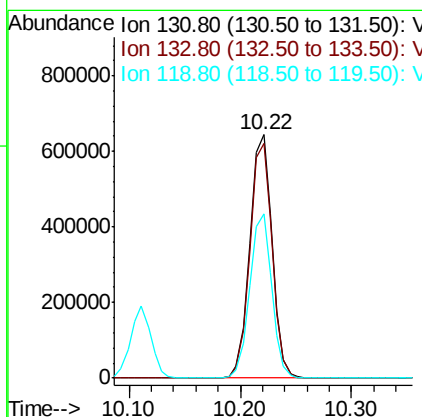
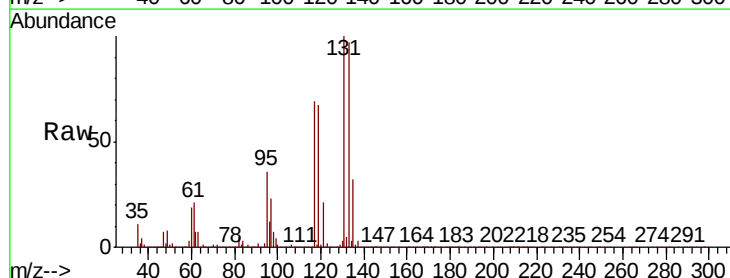
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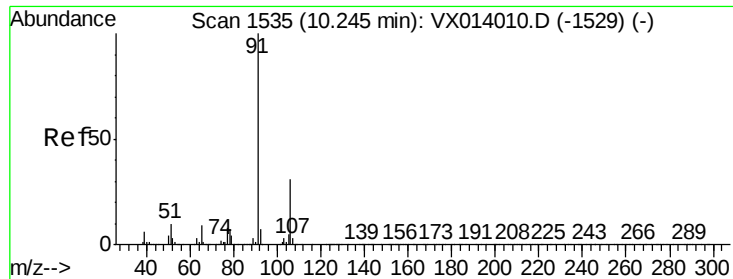
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#66
1,1,1,2-Tetrachloroethane
Concen: 155.397 ug/l
RT: 10.22 min Scan# 1531
Delta R.T. 0.01 min
Lab File: VX014012.D
Acq: 13 Dec 2019 16:45

Tgt Ion:131 Resp: 895181
Ion Ratio Lower Upper
131 100
133 96.4 48.0 144.0
119 66.7 33.4 100.2





#67

Ethyl Benzene

Concen: 150.188 ug/l

RT: 10.25 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VX014012.D

Acq: 13 Dec 2019 16:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 4147366

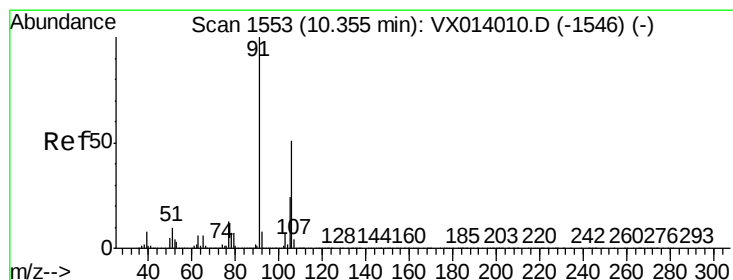
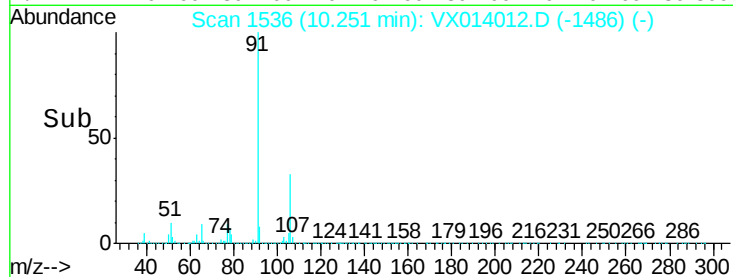
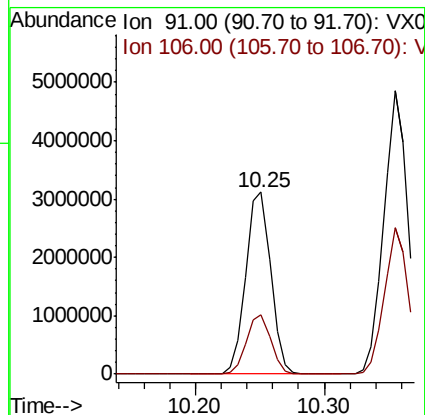
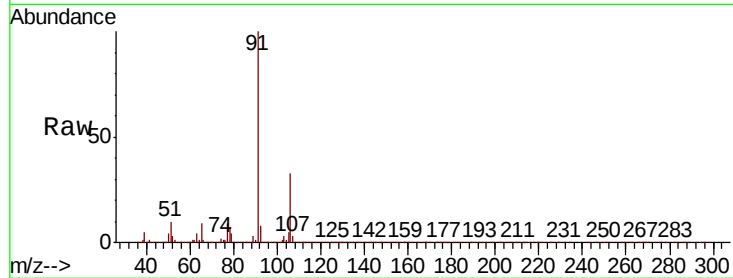
Ion Ratio Lower Upper

91 100

106 32.8 25.0 37.6

Manual Integrations
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#68

m/p-Xylenes

Concen: 303.636 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX014012.D

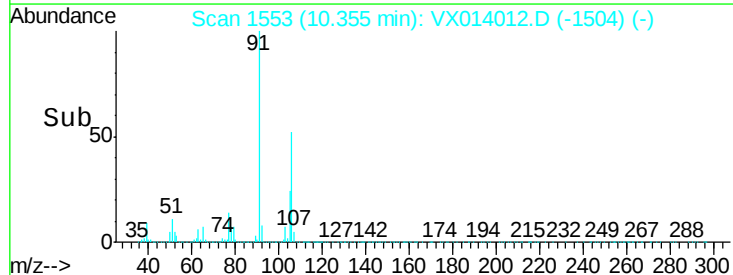
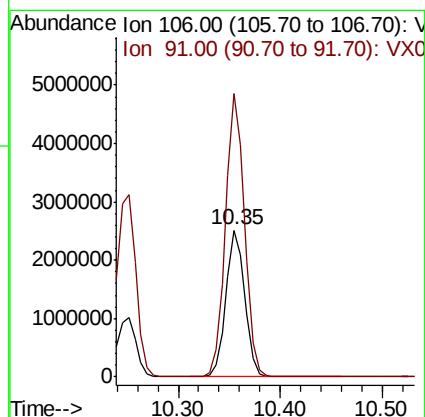
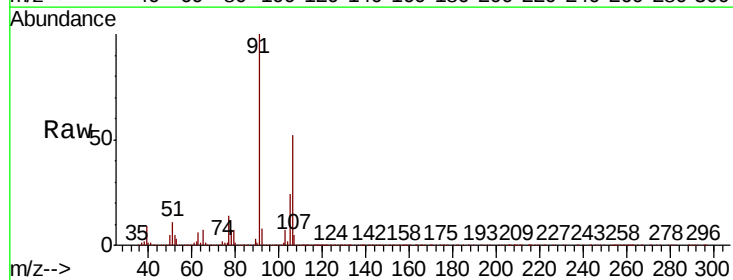
Acq: 13 Dec 2019 16:45

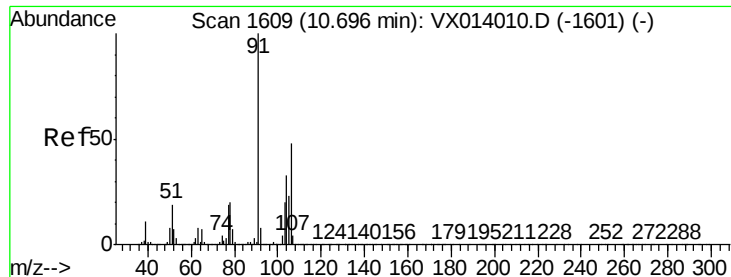
Tgt Ion: 106 Resp: 3214539

Ion Ratio Lower Upper

106 100

91 195.0 158.6 238.0





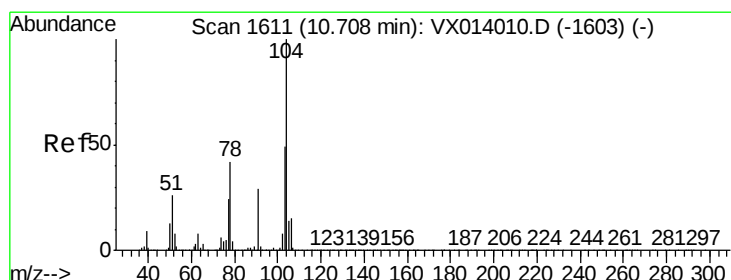
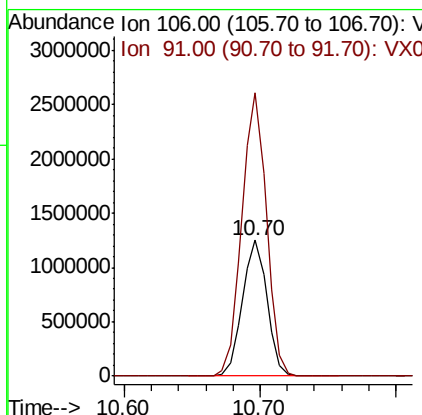
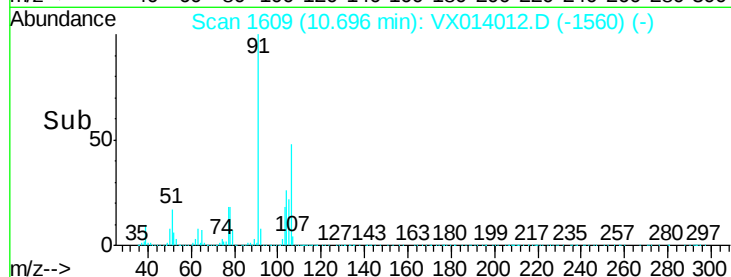
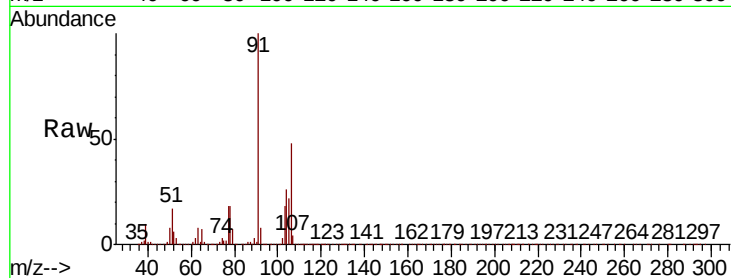
#69
o-Xylene
Concen: 153.308 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX014012.D
Acq: 13 Dec 2019 16:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 1582818
Ion Ratio Lower Upper
106 100
91 208.0 104.2 312.6

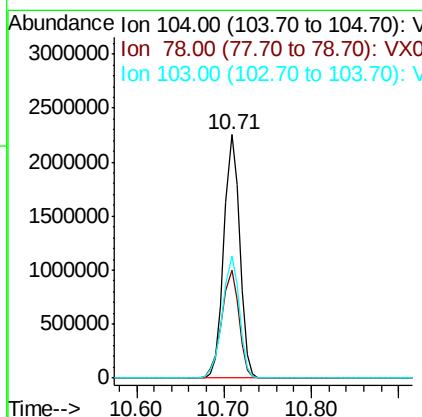
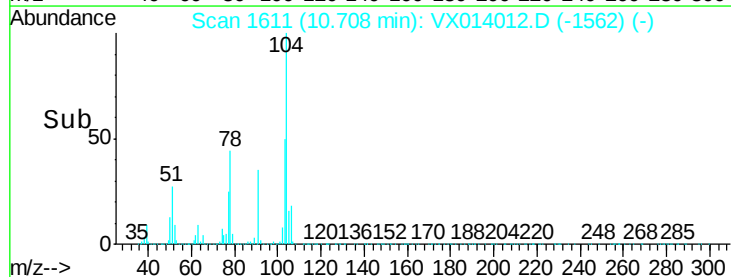
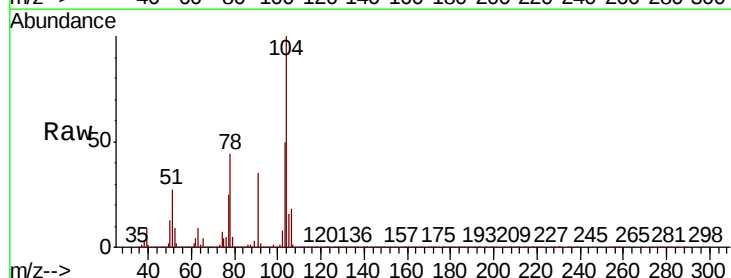
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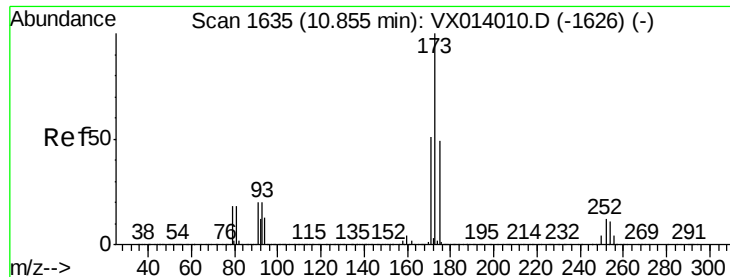
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#70
Styrene
Concen: 160.964 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX014012.D
Acq: 13 Dec 2019 16:45

Tgt Ion:104 Resp: 2803610
Ion Ratio Lower Upper
104 100
78 48.4 38.5 57.7
103 53.9 42.9 64.3





#71

Bromoform

Concen: 173.364 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX014012.D

Acq: 13 Dec 2019 16:45

Instrument :

MSVOA_X

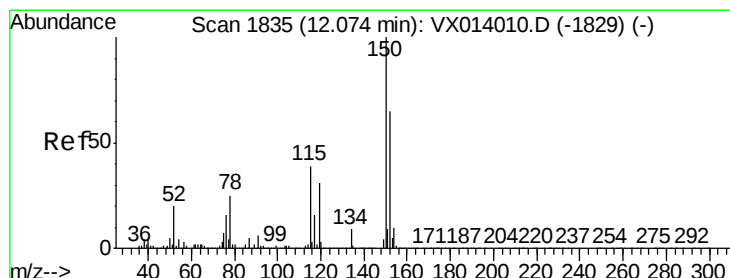
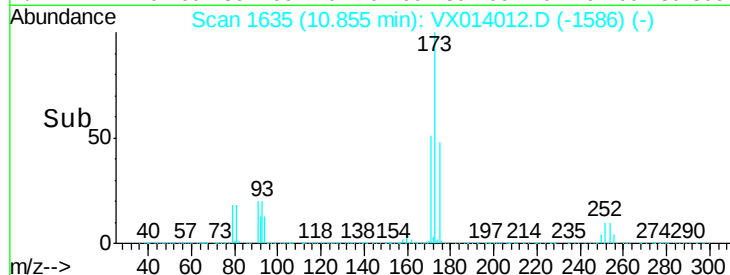
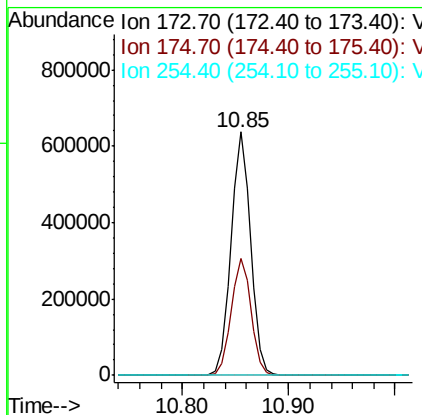
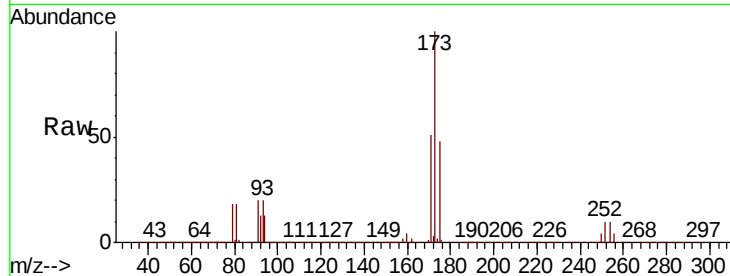
ClientSampleId :

VSTDIC150

Tot Ion:	173	Resp:	823754
Ion Ratio	Lower	Upper	
173	100		
175	48.8	24.4	73.4
254	0.2	0.2	0.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

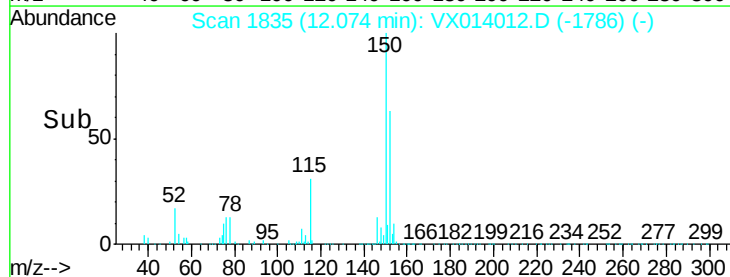
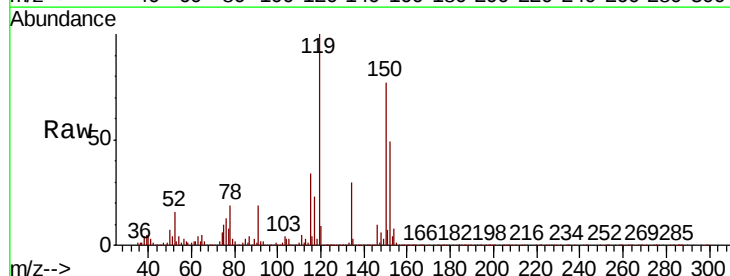
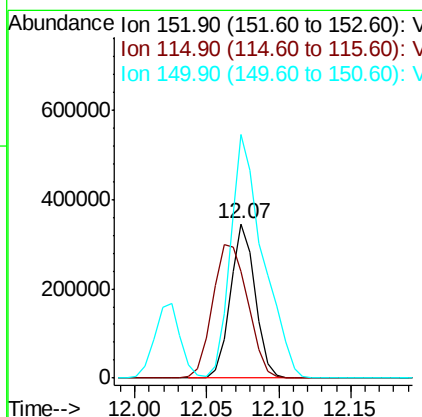
RT: 12.07 min Scan# 1835

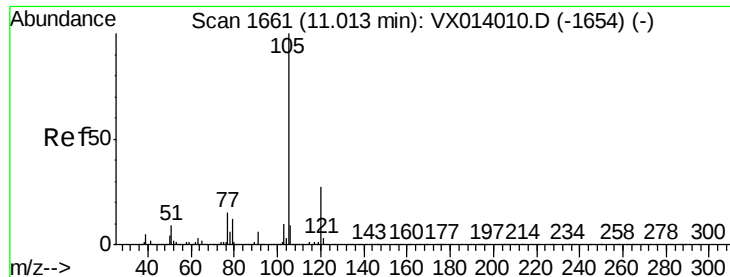
Delta R.T. 0.00 min

Lab File: VX014012.D

Acq: 13 Dec 2019 16:45

Tgt Ion:	152	Resp:	416367
Ion Ratio	Lower	Upper	
152	100		
115	122.1	38.3	114.9#
150	206.3	0.0	345.4





#73

Isopropylbenzene

Concen: 140.283 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX014012.D

Acq: 13 Dec 2019 16:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 4102514

Ion Ratio Lower Upper

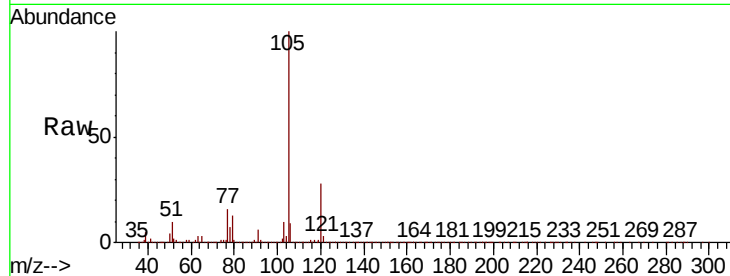
105 100

120 27.6 13.5 40.4

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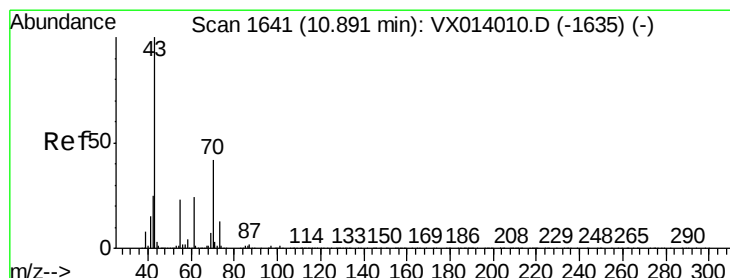
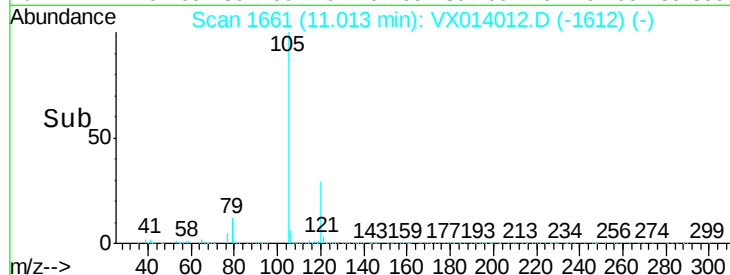
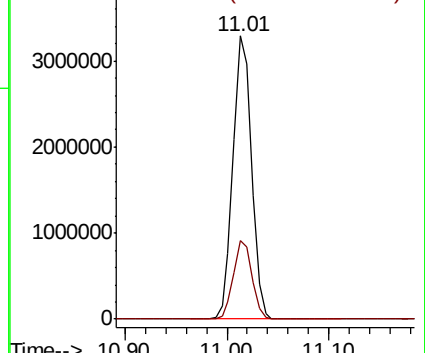
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 155.946 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX014012.D

Acq: 13 Dec 2019 16:45

Tgt Ion: 43 Resp: 2089155

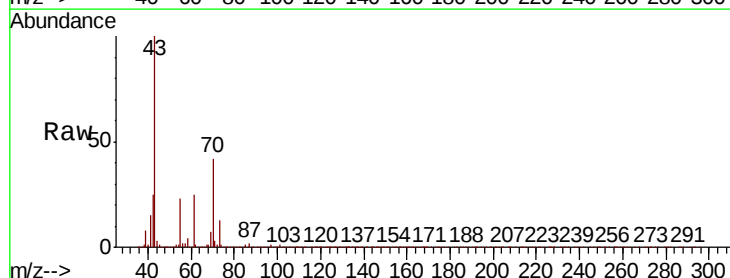
Ion Ratio Lower Upper

43 100

70 43.0 34.4 51.6

55 23.3 19.1 28.7

61 25.1 19.7 29.5

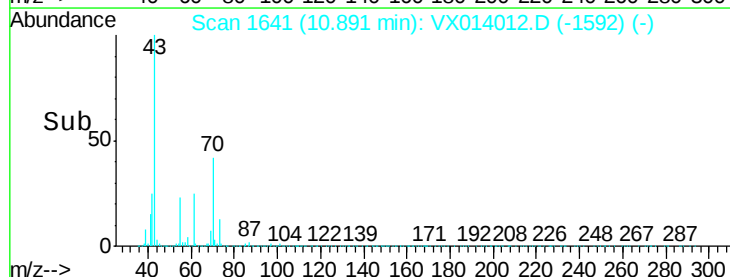
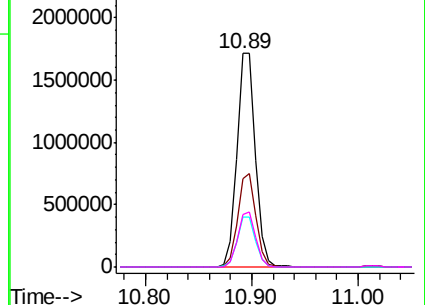


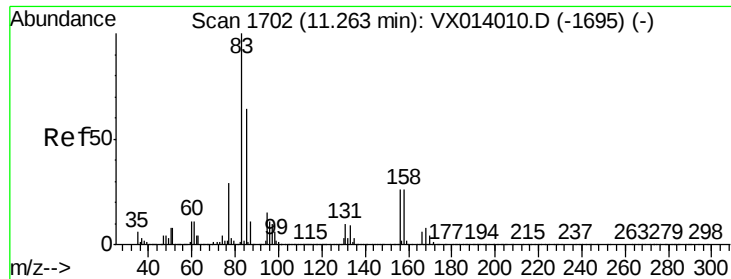
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 143.318 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX014012.D

Acq: 13 Dec 2019 16:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1451158

Ion Ratio Lower Upper

83 100

131 10.1 5.1 15.2

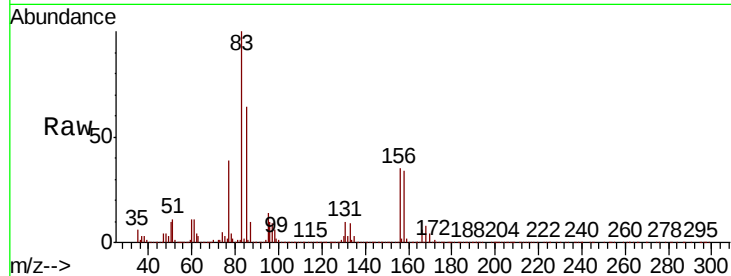
85 64.3 31.9 95.7

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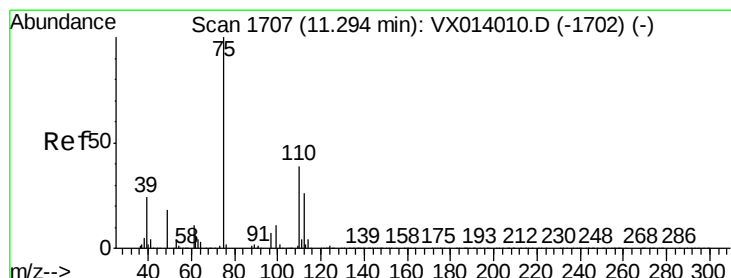
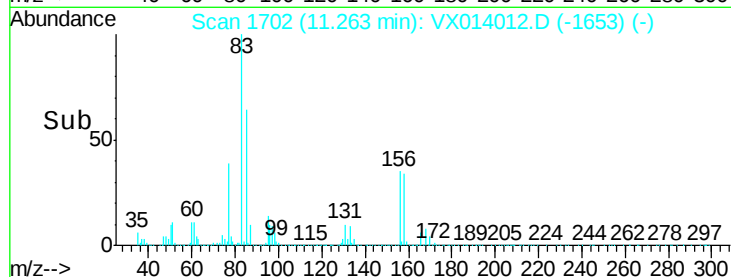
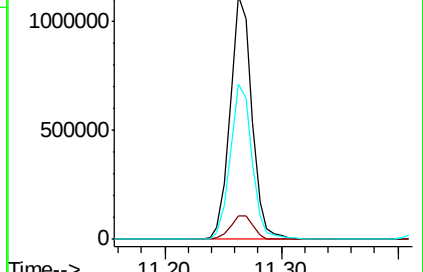
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 138.876 ug/l m

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX014012.D

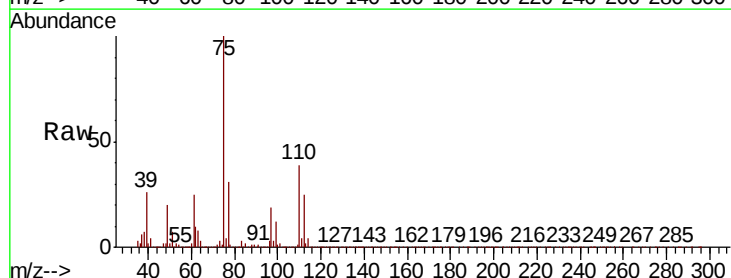
Acq: 13 Dec 2019 16:45

Tgt Ion: 75 Resp: 1295022

Ion Ratio Lower Upper

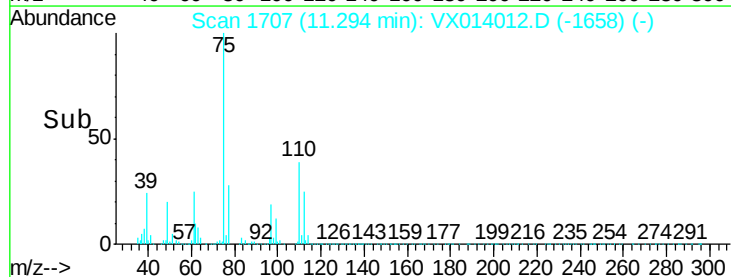
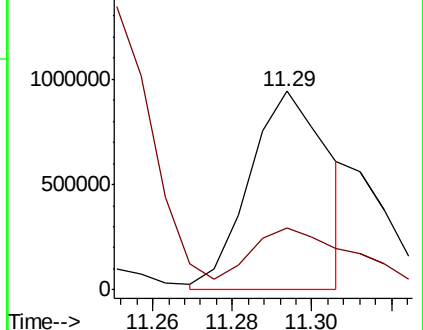
75 100

77 41.6 19.3 57.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 143.259 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX014012.D

Acq: 13 Dec 2019 16:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 1129271

Ion Ratio Lower Upper

156 100

77 151.0 76.5 229.5

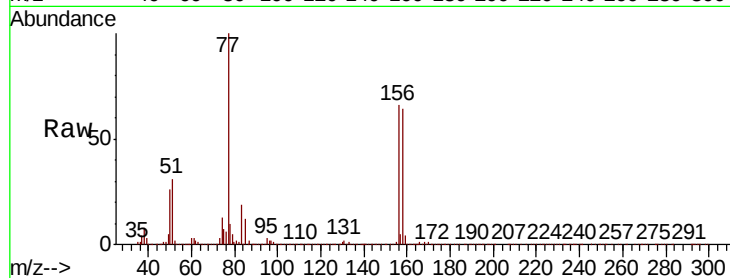
158 96.9 49.3 147.9

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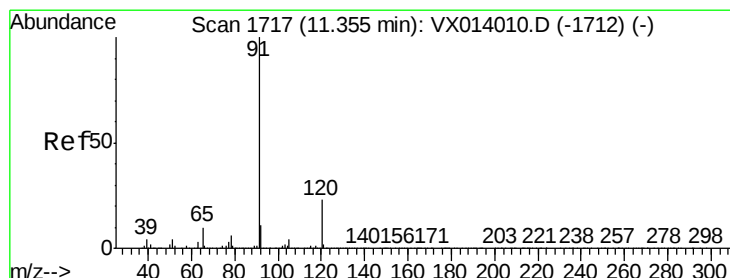
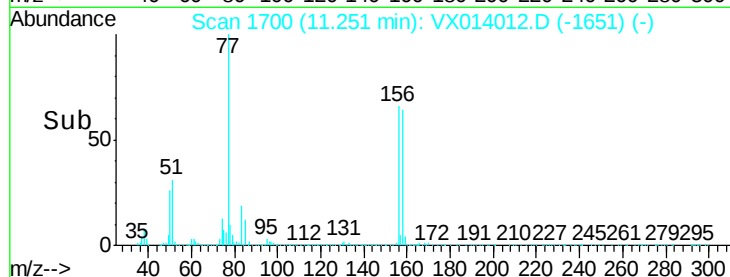
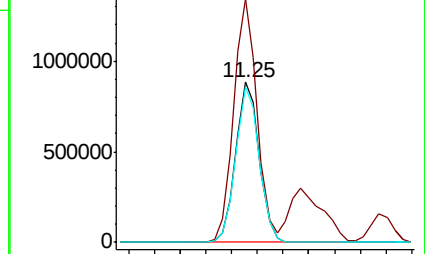
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 144.921 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX014012.D

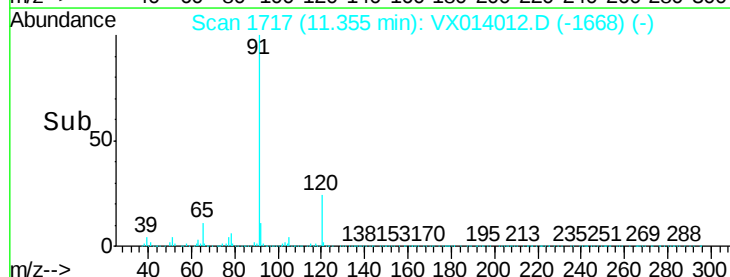
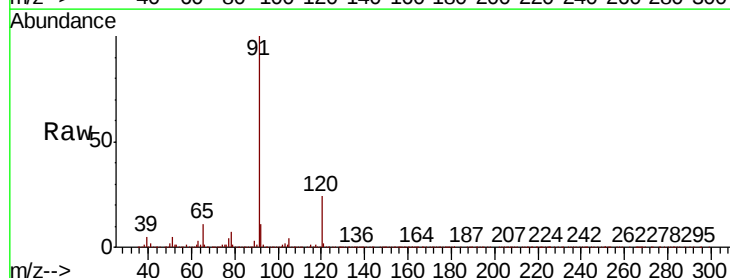
Acq: 13 Dec 2019 16:45

Tgt Ion: 91 Resp: 4739102

Ion Ratio Lower Upper

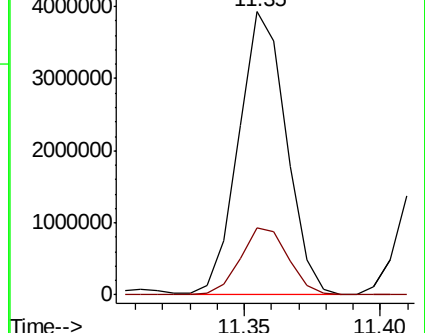
91 100

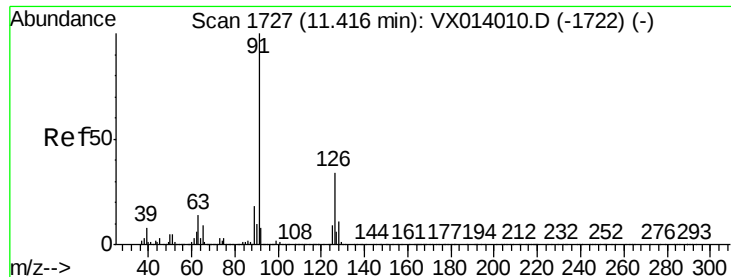
120 24.1 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





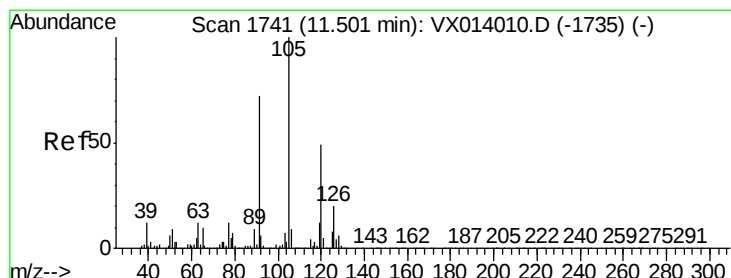
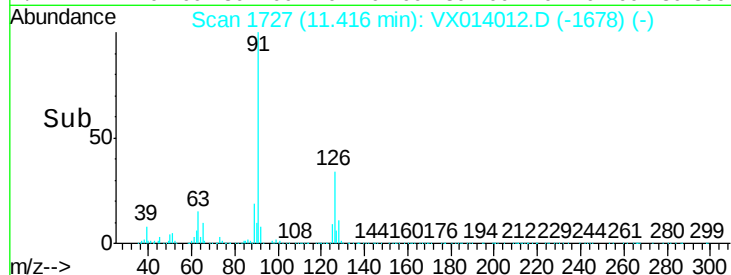
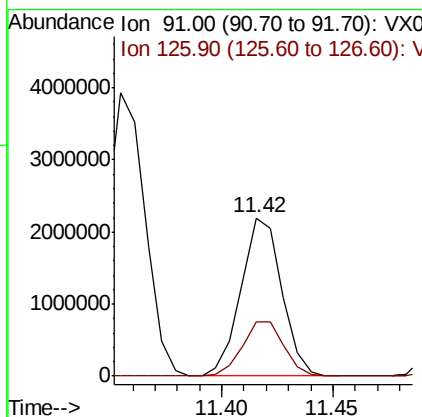
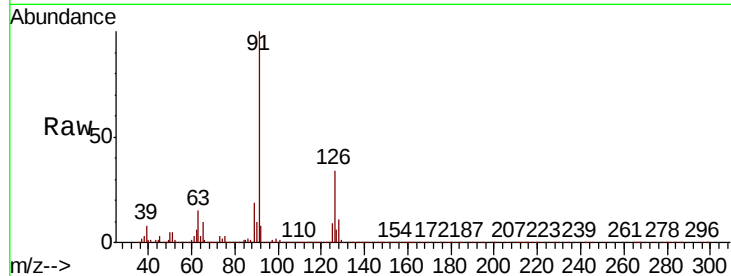
#79
2-Chlorotoluene
Concen: 143.160 ug/l
RT: 11.42 min Scan# 1727
Delta R.T. 0.00 min
Lab File: VX014012.D
Acq: 13 Dec 2019 16:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2816371
Ion Ratio Lower Upper
91 100
126 35.2 17.2 51.6

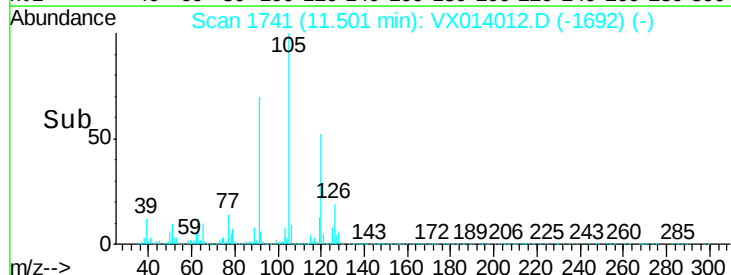
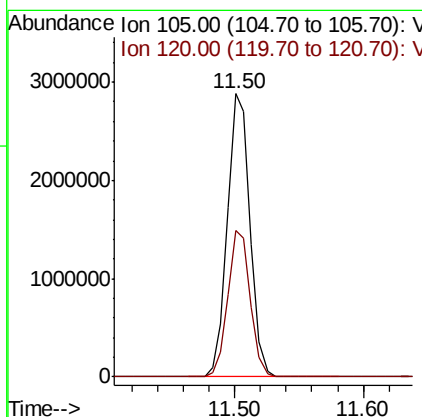
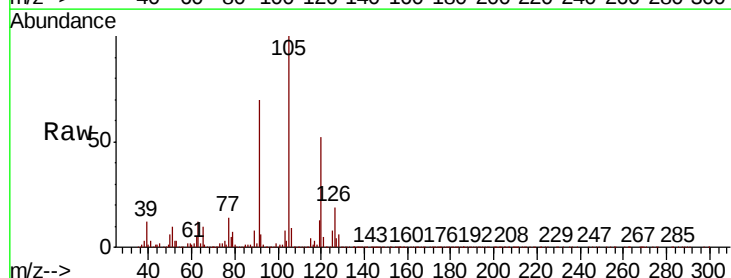
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#80
1,3,5-Trimethylbenzene
Concen: 147.911 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX014012.D
Acq: 13 Dec 2019 16:45

Tgt Ion: 105 Resp: 3555462
Ion Ratio Lower Upper
105 100
120 51.2 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 158.238 ug/l

RT: 11.07 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VX014012.D

Acq: 13 Dec 2019 16:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 538282

Ion Ratio Lower Upper

75 100

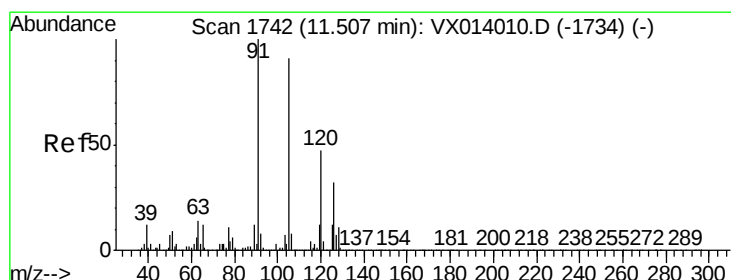
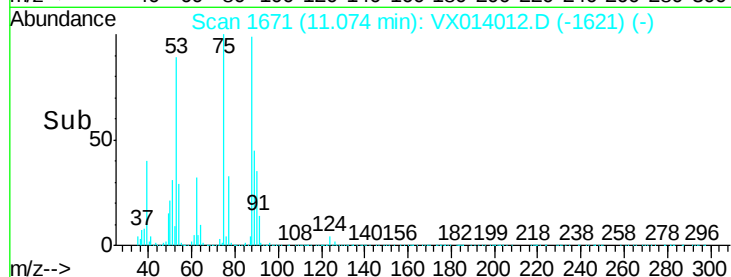
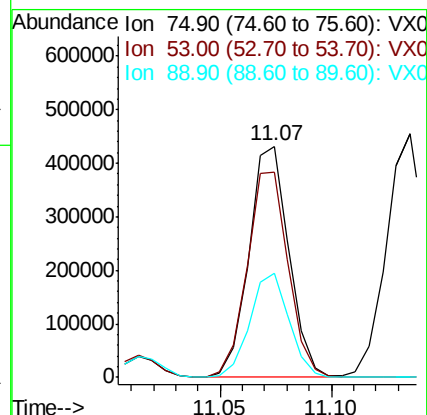
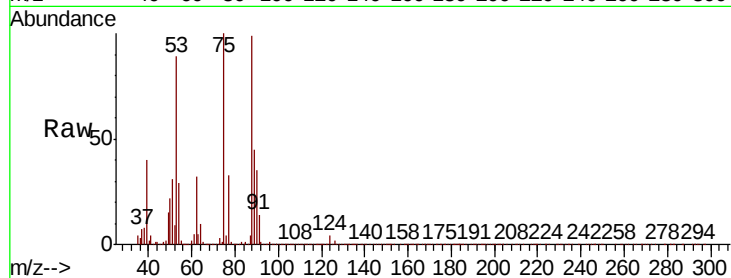
53 91.8 76.7 115.1

89 44.8 34.6 51.8

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#82

4-Chlorotoluene

Concen: 146.773 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX014012.D

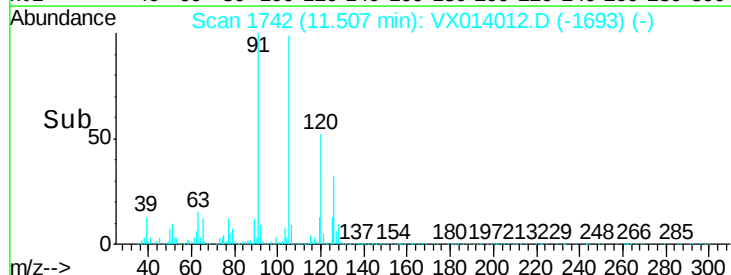
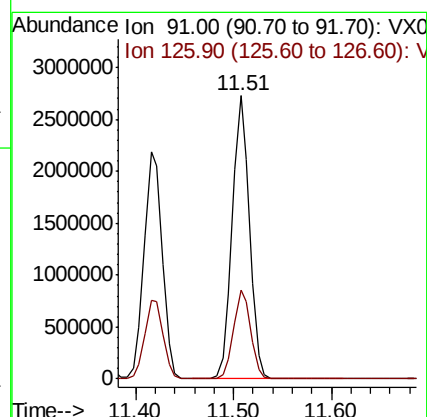
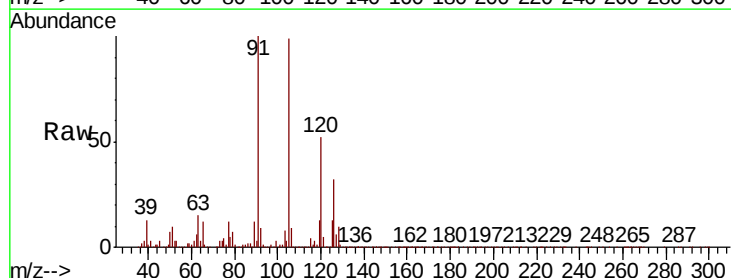
Acq: 13 Dec 2019 16:45

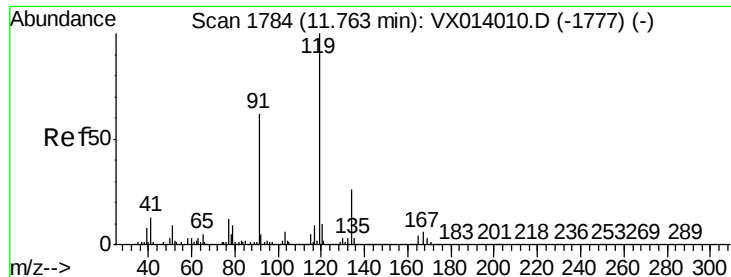
Tgt Ion: 91 Resp: 3334083

Ion Ratio Lower Upper

91 100

126 31.3 15.6 46.8





#83

tert-Butylbenzene

Concen: 140.591 ug/l

RT: 11.77 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VX014012.D

Acq: 13 Dec 2019 16:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:119 Resp: 3404783

Ion Ratio Lower Upper

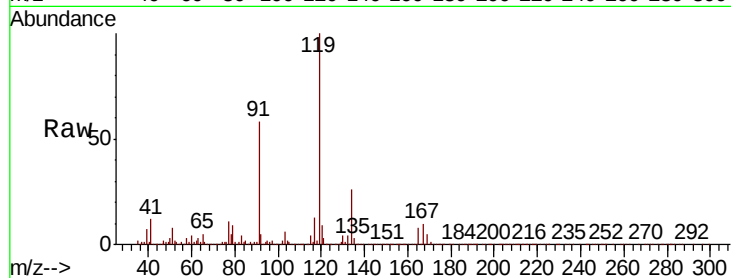
119 100

91 57.4 28.5 85.6

134 24.6 12.2 36.6

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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V

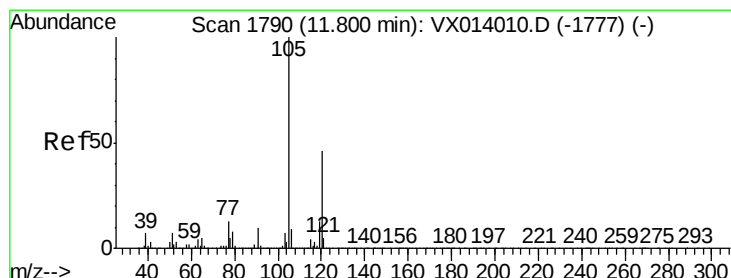
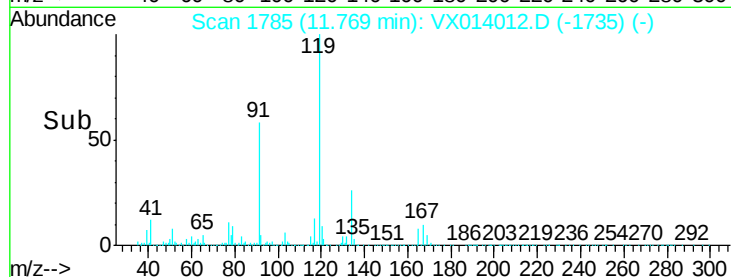
3000000

2000000

1000000

0

Time-->



#84

1,2,4-Trimethylbenzene

Concen: 148.658 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. 0.01 min

Lab File: VX014012.D

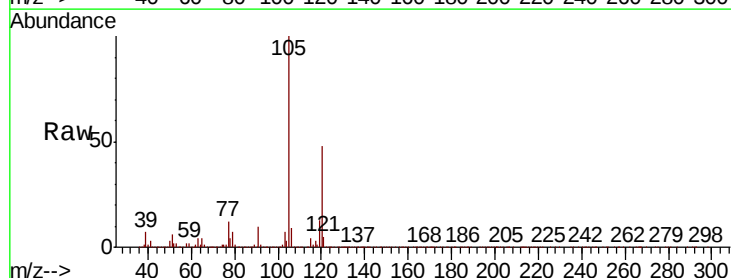
Acq: 13 Dec 2019 16:45

Tgt Ion:105 Resp: 3624117

Ion Ratio Lower Upper

105 100

120 46.8 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

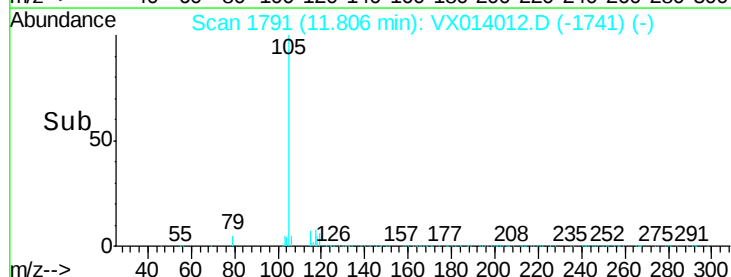
3000000

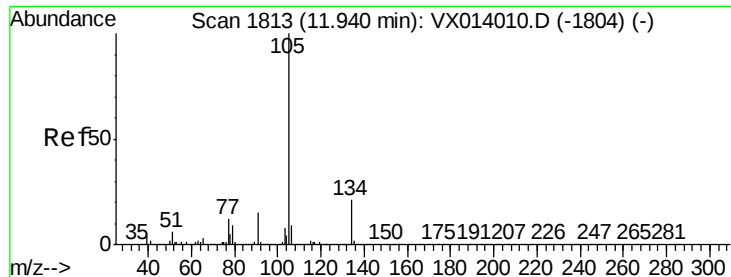
2000000

1000000

0

Time-->





#85

sec-Butylbenzene

Concen: 148.653 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX014012.D

Acq: 13 Dec 2019 16:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 4142990

Ion Ratio Lower Upper

105 100

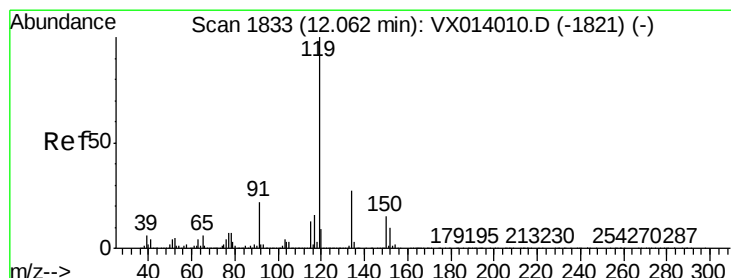
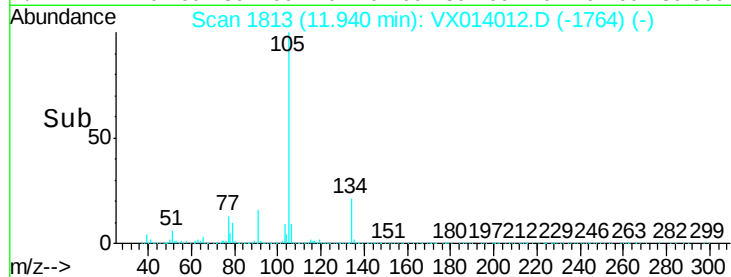
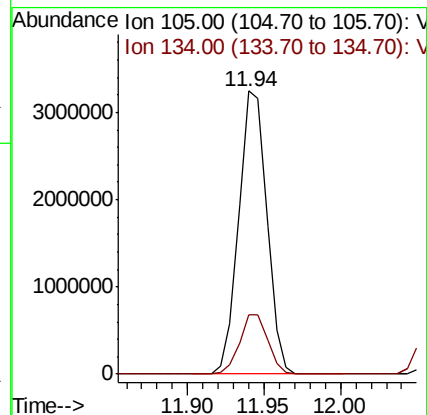
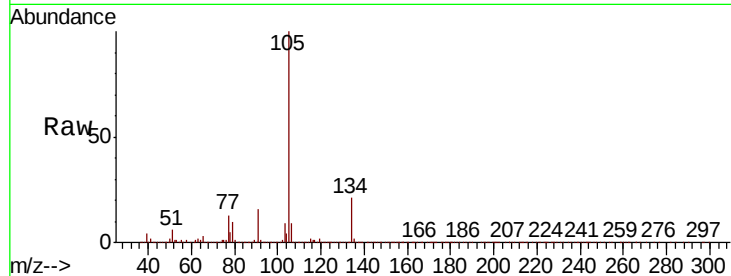
134 21.2 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 150.616 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX014012.D

Acq: 13 Dec 2019 16:45

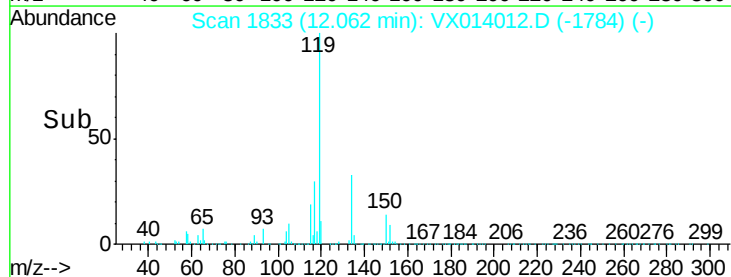
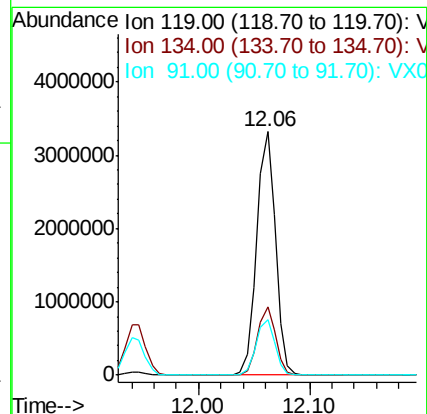
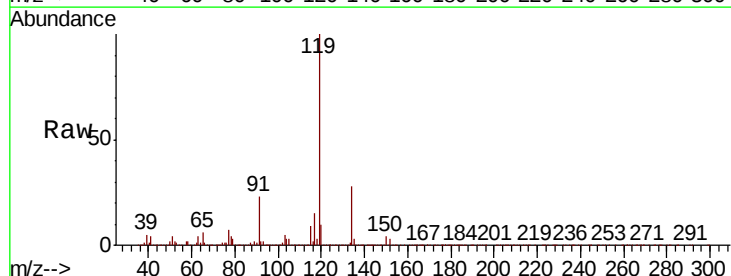
Tgt Ion:119 Resp: 3899255

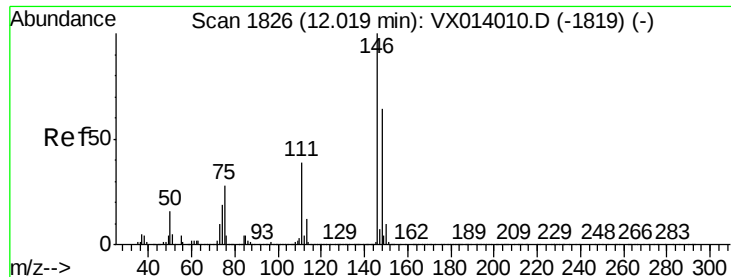
Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

91 22.6 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 147.854 ug/l

RT: 12.03 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VX014012.D

Acq: 13 Dec 2019 16:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 2035638

Ion Ratio Lower Upper

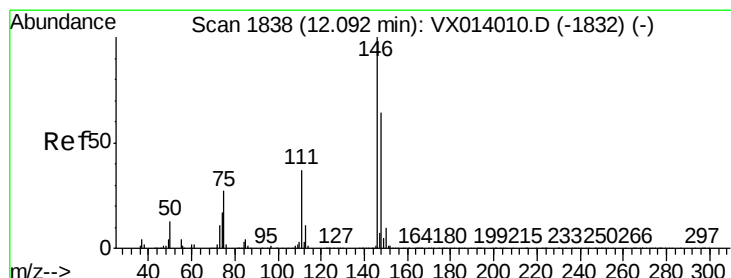
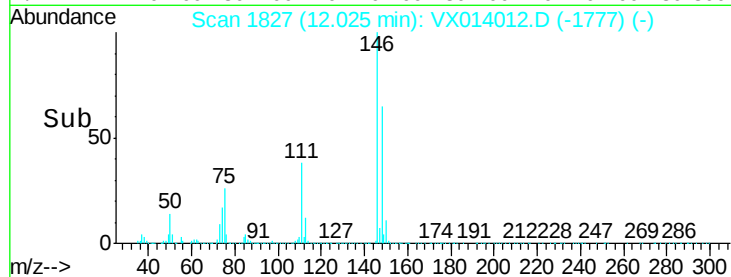
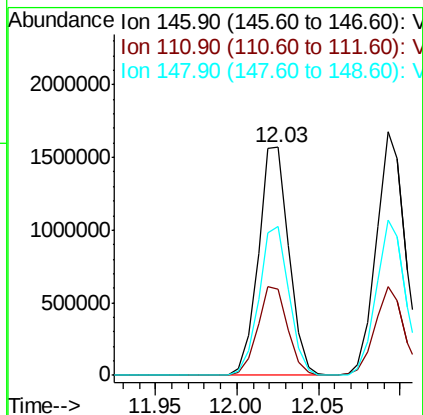
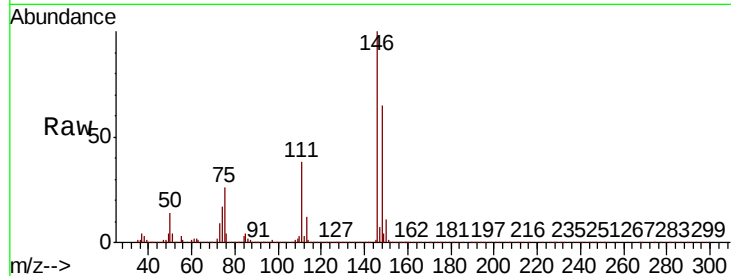
146 100

111 38.3 19.1 57.1

148 63.9 32.3 96.9

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#88

1,4-Dichlorobenzene

Concen: 145.492 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VX014012.D

Acq: 13 Dec 2019 16:45

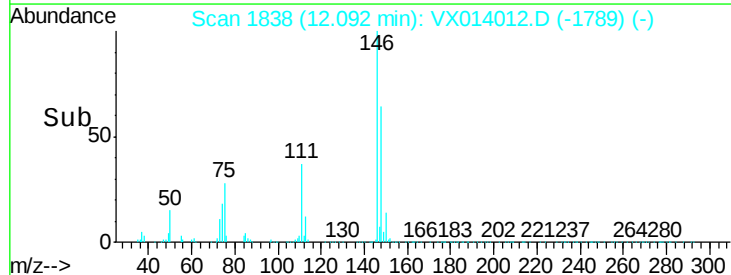
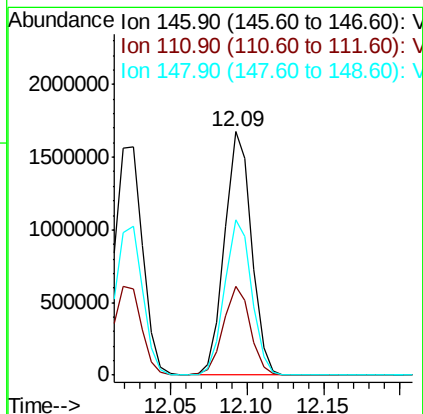
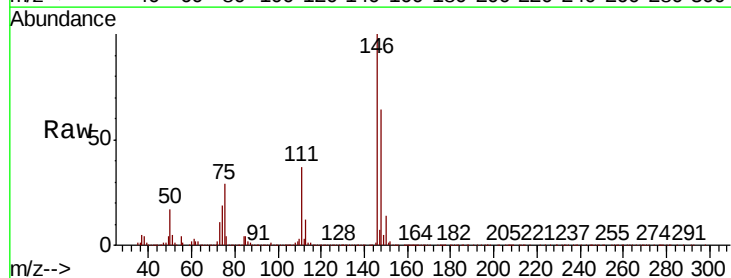
Tgt Ion:146 Resp: 2043150

Ion Ratio Lower Upper

146 100

111 36.6 18.7 56.1

148 64.1 31.9 95.9





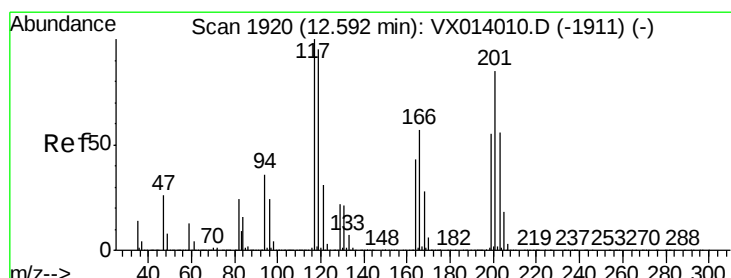
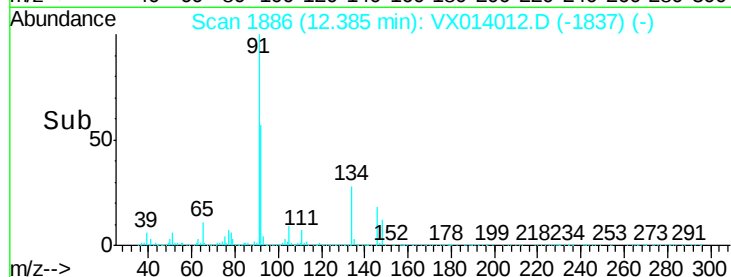
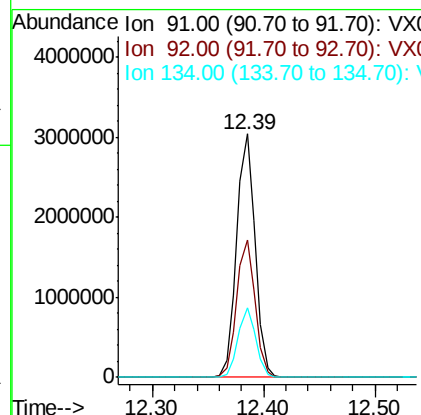
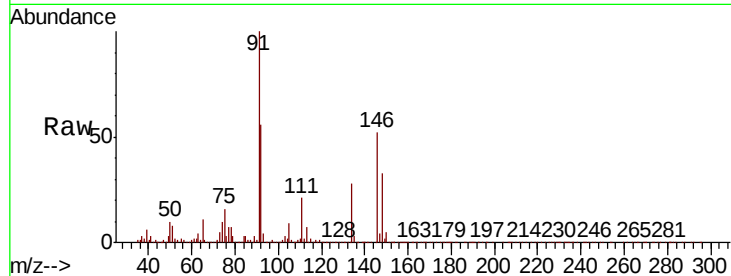
#89
n-Butylbenzene
Concen: 157.477 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX014012.D
Acq: 13 Dec 2019 16:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	56.1	27.2	81.6
134	27.6	13.4	40.1

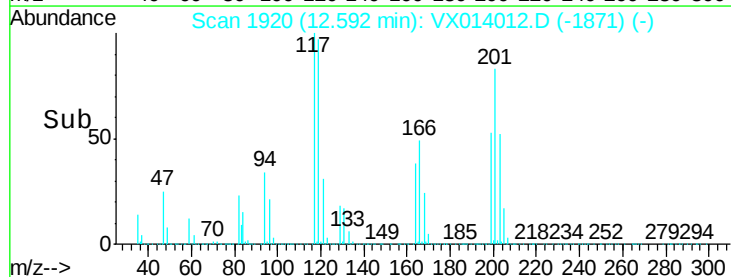
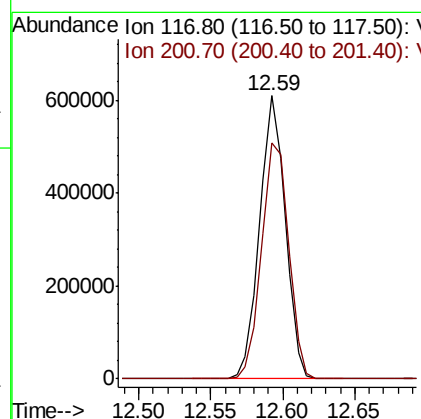
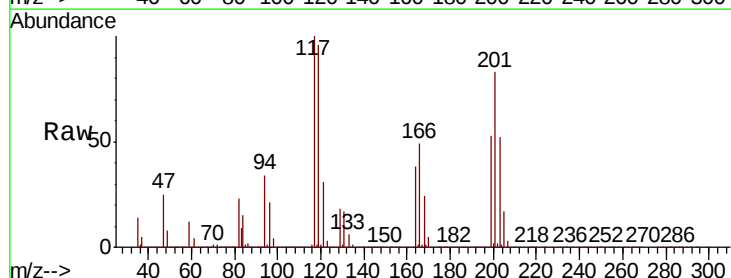
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#90
Hexachloroethane
Concen: 159.139 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX014012.D
Acq: 13 Dec 2019 16:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.2	43.1	129.3





#91

1,2-Dichlorobenzene

Concen: 147.110 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX014012.D

Acq: 13 Dec 2019 16:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 2007287

Ion Ratio Lower Upper

146 100

111 39.8 19.7 59.1

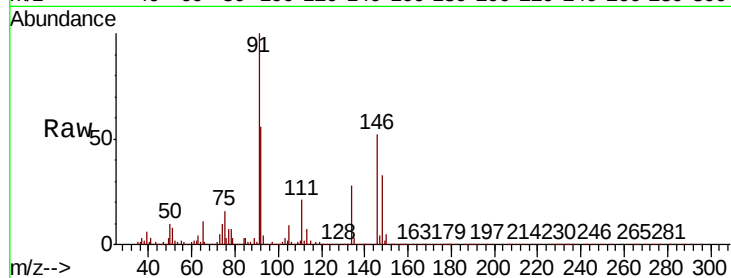
148 64.2 32.1 96.5

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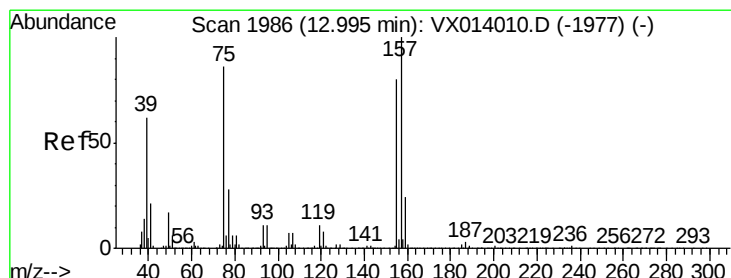
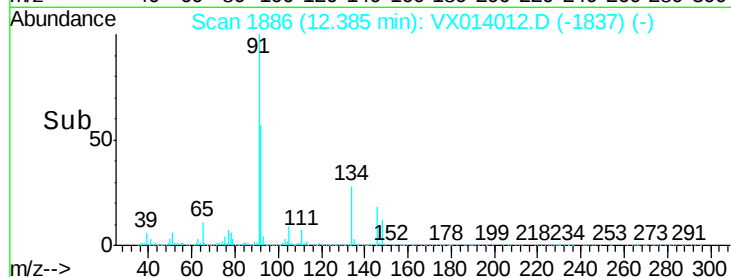
Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

12.39

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 144.923 ug/l

RT: 12.99 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX014012.D

Acq: 13 Dec 2019 16:45

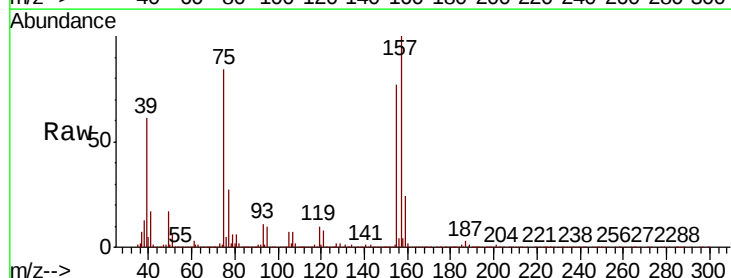
Tgt Ion: 75 Resp: 316431

Ion Ratio Lower Upper

75 100

155 97.7 46.9 140.6

157 126.3 60.8 182.4



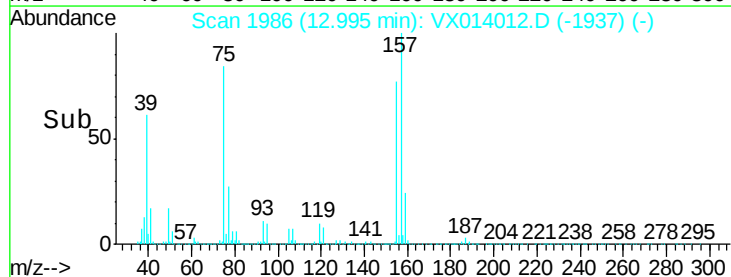
Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

12.99

Time-->





#93

1,2,4-Trichlorobenzene

Concen: 150.803 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX014012.D

Acq: 13 Dec 2019 16:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:180 Resp: 1421239

Ion Ratio Lower Upper

180 100

182 94.7 46.6 139.8

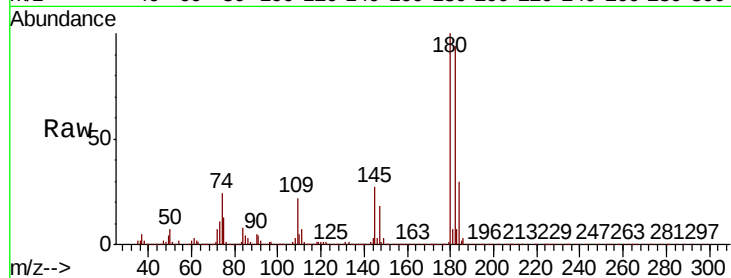
145 27.9 14.2 42.6

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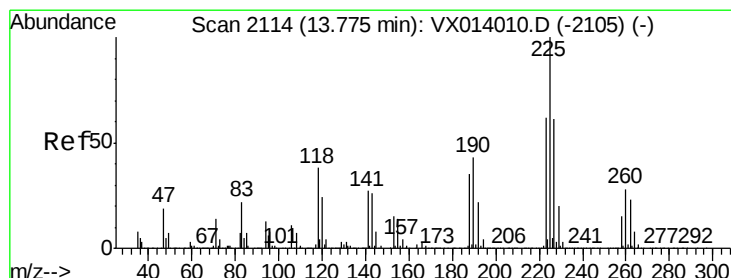
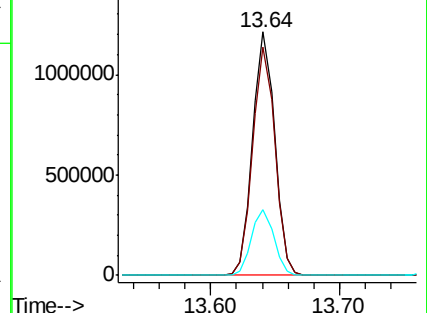
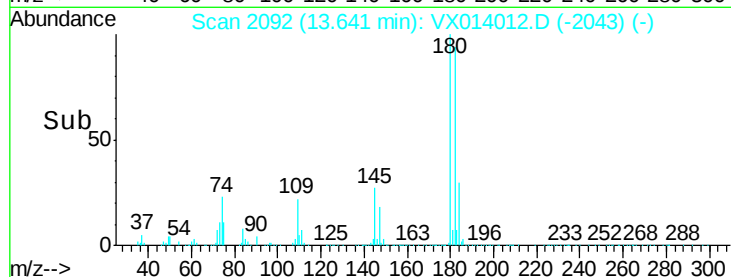
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Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 140.202 ug/l

RT: 13.77 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VX014012.D

Acq: 13 Dec 2019 16:45

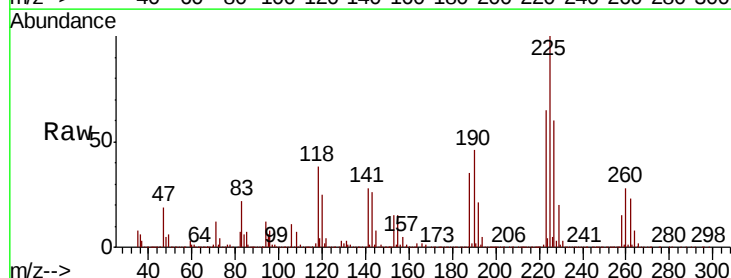
Tgt Ion:225 Resp: 639399

Ion Ratio Lower Upper

225 100

223 64.1 30.9 92.5

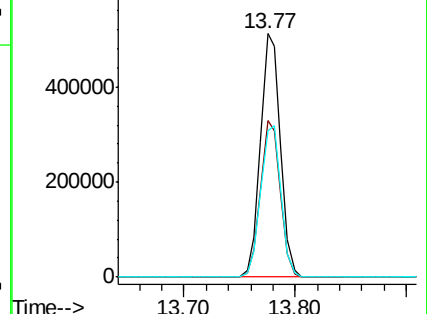
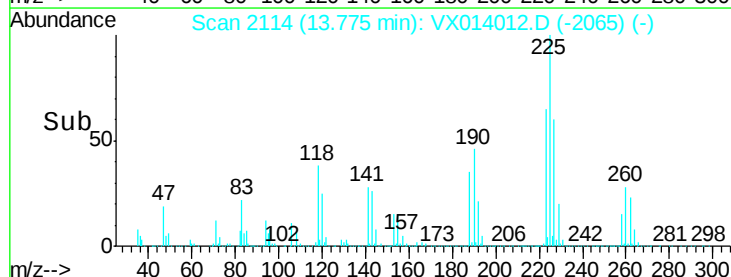
227 63.6 30.9 92.7

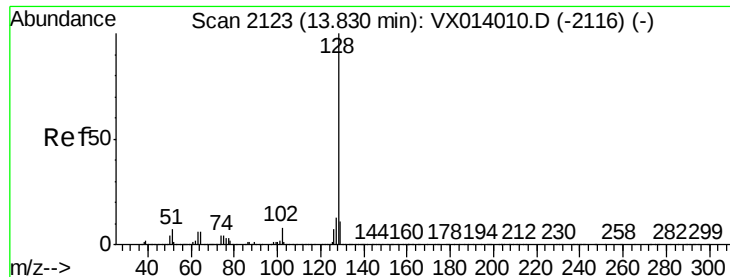


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





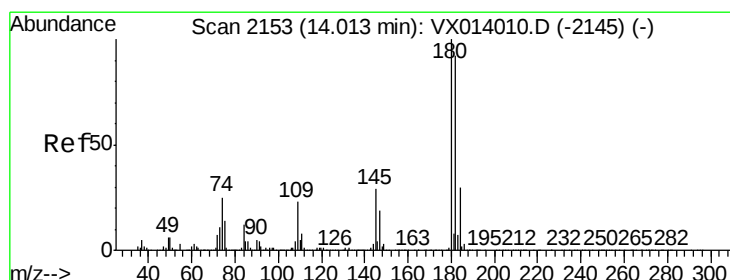
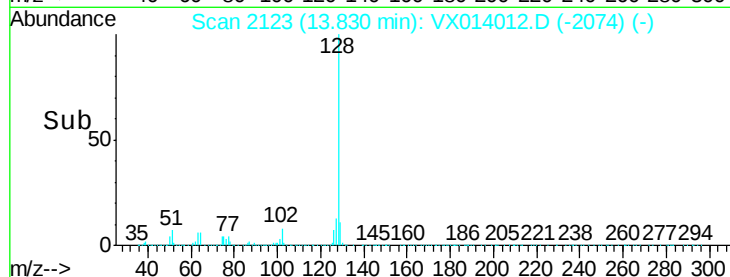
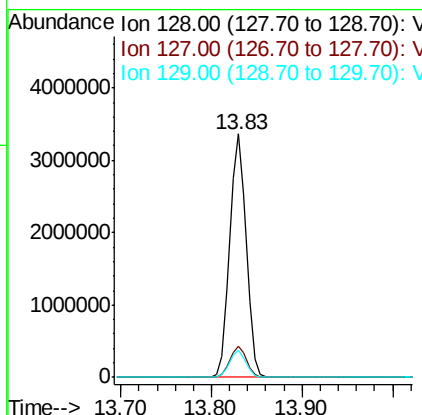
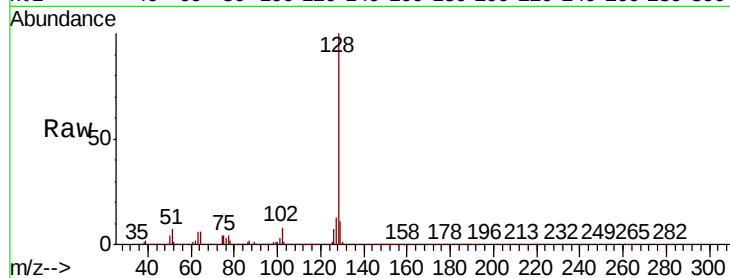
#95
Naphthalene
Concen: 150.807 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014012.D
Acq: 13 Dec 2019 16:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion:128 Resp: 4221939
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 11.0 8.7 13.1

Manual Integrations
APPROVED

apatel
12/16/2019 12:46:09 PM



#96
1,2,3-Trichlorobenzene
Concen: 147.504 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX014012.D
Acq: 13 Dec 2019 16:45

Tgt Ion:180 Resp: 1382616
Ion Ratio Lower Upper
180 100
182 95.6 46.8 140.3
145 30.3 14.8 44.4

