

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111219\
 Data File : VX013385.D
 Acq On : 12 Nov 2019 15:18
 Operator : JC/SP
 Sample : VX1112WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112WBS02

Manual Integrations
 APPROVED

MMDadoda
 11/13/2019 9:39:55 AM

Quant Time: Nov 13 03:00:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	686687	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1047472	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	940284	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	464629	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	411720	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
35) Dibromofluoromethane	5.48	113	338530	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	
50) Toluene-d8	8.71	98	1311593	52.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.92%	
62) 4-Bromofluorobenzene	11.13	95	455041	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	154731	19.556	ug/l	99
3) Chloromethane	1.31	50	172093	20.057	ug/l	97
4) Vinyl Chloride	1.40	62	199238	20.397	ug/l	97
5) Bromomethane	1.62	94	119756	17.593	ug/l	95
6) Chloroethane	1.72	64	111840	19.298	ug/l	97
7) Trichlorofluoromethane	1.92	101	220873	19.139	ug/l	100
8) Diethyl Ether	2.17	74	100791	19.750	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	133576	20.767	ug/l	100
10) Methyl Iodide	2.50	142	147720	18.549	ug/l	98
11) Tert butyl alcohol	3.03	59	201477	93.964	ug/l	100
12) 1,1-Dichloroethene	2.36	96	134189	21.304	ug/l	100
13) Acrolein	2.28	56	120182	103.418	ug/l	98
14) Allyl chloride	2.72	41	245369	21.439	ug/l	95
15) Acrylonitrile	3.12	53	429568	107.251	ug/l	98
16) Acetone	2.43	43	433297	106.783	ug/l	100
17) Carbon Disulfide	2.56	76	335849	19.921	ug/l	99
18) Methyl Acetate	2.76	43	244567	21.831	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	459803	21.886	ug/l	98
20) Methylene Chloride	2.84	84	153197	20.434	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	142852	20.829	ug/l	97
22) Diisopropyl ether	3.84	45	492927	22.309	ug/l #	89
23) Vinyl Acetate	3.80	43	2013132	106.475	ug/l	100
24) 1,1-Dichloroethane	3.69	63	263556	21.323	ug/l	98
25) 2-Butanone	4.66	43	639016	107.348	ug/l	100
26) 2,2-Dichloropropane	4.57	77	216650	22.033	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	167275	21.773	ug/l	99
28) Bromochloromethane	5.00	49	69061	19.678	ug/l	97
29) Tetrahydrofuran	5.11	42	392086	106.884	ug/l	99
30) Chloroform	5.20	83	265989	21.793	ug/l	99
31) Cyclohexane	5.56	56	231283	20.795	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	218446	20.797	ug/l	99
36) 1,1-Dichloropropene	5.79	75	191232	21.281	ug/l	97
37) Ethyl Acetate	4.82	43	228878	20.613	ug/l	99
38) Carbon Tetrachloride	5.77	117	183948	20.934	ug/l	94

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Manual Integrations
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MMDadoda
 11/13/2019 9:39:55 AM

Quant Time: Nov 13 03:00:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	232579	20.772	ug/l	96
40) Benzene	6.13	78	596568	21.313	ug/l	98
41) Methacrylonitrile	5.03	41	130388	20.950	ug/l	98
42) 1,2-Dichloroethane	6.19	62	208766	20.677	ug/l	97
43) Isopropyl Acetate	6.43	43	370862	21.449	ug/l	99
44) Trichloroethene	7.20	130	160905	20.883	ug/l	99
45) 1,2-Dichloropropane	7.50	63	155960	21.868	ug/l	97
46) Dibromomethane	7.65	93	100855	20.711	ug/l	98
47) Bromodichloromethane	7.89	83	199256	21.699	ug/l	95
48) Methyl methacrylate	7.76	41	186593	21.619	ug/l	98
49) 1,4-Dioxane	7.73	88	82009	414.901	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	1198201	105.624	ug/l	100
52) Toluene	8.78	92	370182	21.338	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	216360	21.548	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	242470	21.587	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	153202	21.305	ug/l	100
56) Ethyl methacrylate	9.17	69	246812	21.039	ug/l	97
57) 1,3-Dichloropropane	9.37	76	262513	21.506	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	486825	99.013	ug/l	99
59) 2-Hexanone	9.48	43	939519	107.173	ug/l	99
60) Dibromochloromethane	9.57	129	156263	21.248	ug/l	100
61) 1,2-Dibromoethane	9.67	107	163790	21.450	ug/l	99
64) Tetrachloroethene	9.33	164	142500	21.170	ug/l	98
65) Chlorobenzene	10.14	112	403351	21.188	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	150435	21.522	ug/l	99
67) Ethyl Benzene	10.25	91	707585	21.537	ug/l	98
68) m/p-Xylenes	10.36	106	534126	42.986	ug/l	99
69) o-Xylene	10.69	106	265005	21.784	ug/l	98
70) Styrene	10.71	104	438369	21.557	ug/l	100
71) Bromoform	10.85	173	119595	20.474	ug/l	99
73) Isopropylbenzene	11.01	105	693369	22.508	ug/l	100
74) N-amyl acetate	10.89	43	318285	22.281	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	248613	22.122	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	198694m	21.054	ug/l	
77) Bromobenzene	11.25	156	179533	21.861	ug/l	99
78) n-propylbenzene	11.35	91	771503	22.483	ug/l	99
79) 2-Chlorotoluene	11.42	91	462666	22.378	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	583180	22.728	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	75831	20.683	ug/l	98
82) 4-Chlorotoluene	11.51	91	528379	21.832	ug/l	99
83) tert-Butylbenzene	11.76	119	590458	22.859	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	578489	22.474	ug/l	99
85) sec-Butylbenzene	11.94	105	672458	22.652	ug/l	99
86) p-Isopropyltoluene	12.06	119	617927	22.605	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	314760	21.502	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	314117	21.061	ug/l	100
89) n-Butylbenzene	12.38	91	514625	21.575	ug/l	100
90) Hexachloroethane	12.59	117	104526	21.461	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	320479	21.901	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	52850	19.302	ug/l	99

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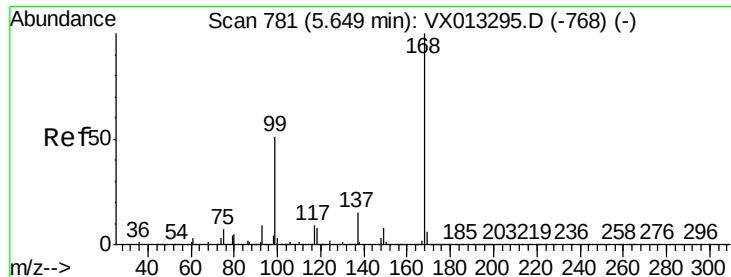
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Quant Title : SW846 8260
QLast Update : Sat Nov 02 07:06:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	212915	20.860	ug/l	98
94) Hexachlorobutadiene	13.78	225	104942	21.015	ug/l	99
95) Naphthalene	13.83	128	676211	21.115	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	215233	21.026	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX013385.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBS02

Tot Ion:168 Resp: 686687

Ion Ratio Lower Upper

168 100

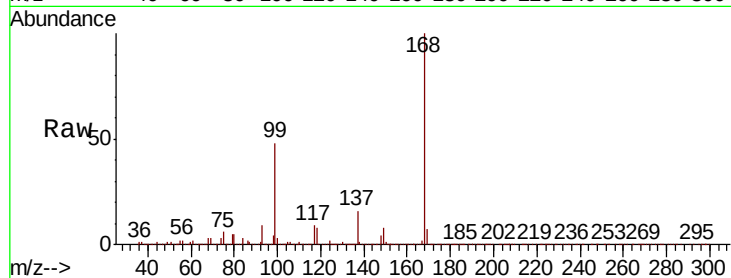
99 48.2 40.8 61.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

100000

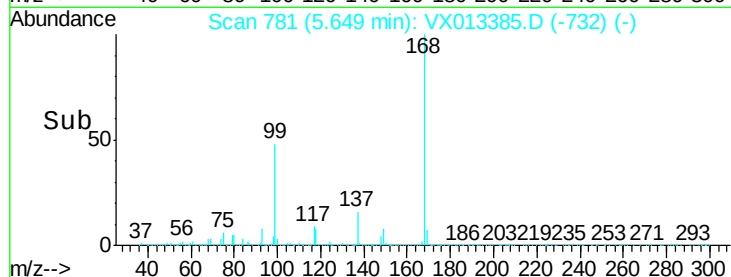
50000

0

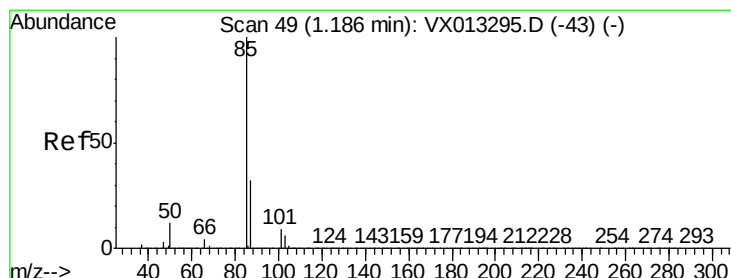
5.50

5.60

5.70



Time-->



#2

Dichlorodifluoromethane

Concen: 19.556 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX013385.D

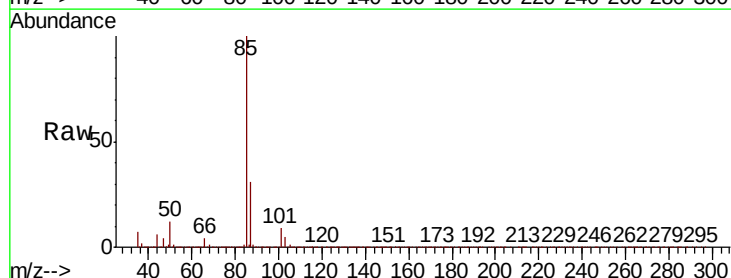
Acq: 12 Nov 2019 15:18

Tgt Ion: 85 Resp: 154731

Ion Ratio Lower Upper

85 100

87 31.1 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

150000

100000

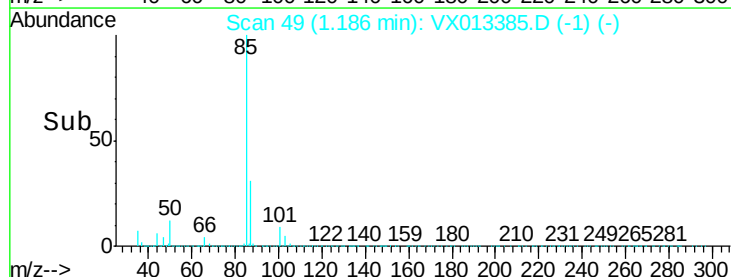
50000

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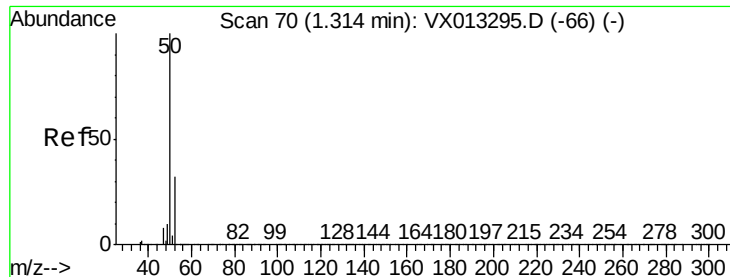
1.15

1.20

1.25



Time-->



#3

Chloromethane

Concen: 20.057 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX013385.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBS02

Tot Ion: 50 Resp: 172093

Ion Ratio Lower Upper

50 100

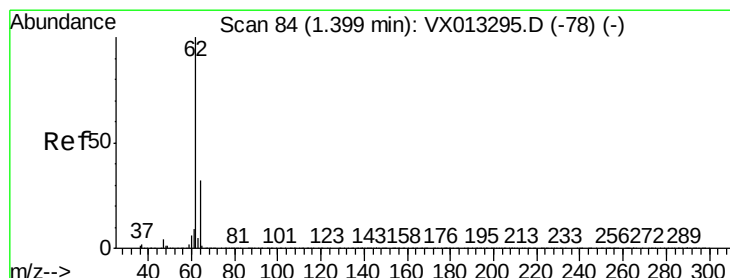
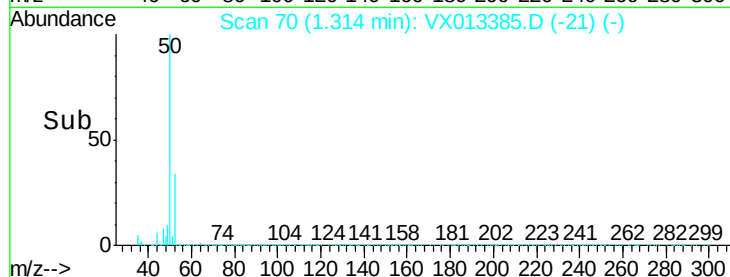
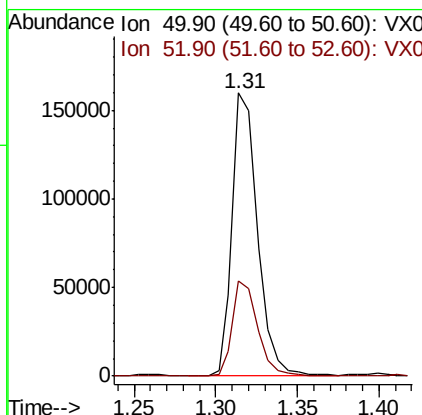
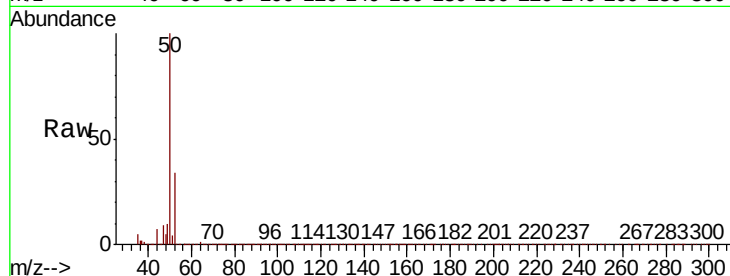
52 33.4 25.5 38.3

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#4

Vinyl Chloride

Concen: 20.397 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013385.D

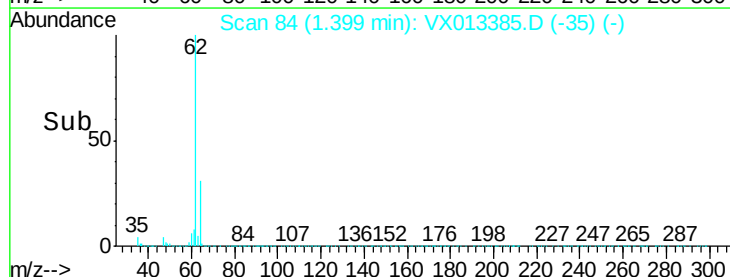
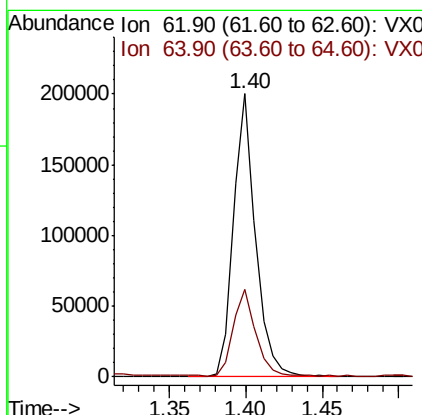
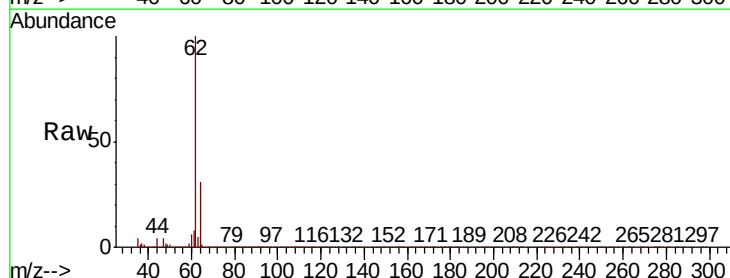
Acq: 12 Nov 2019 15:18

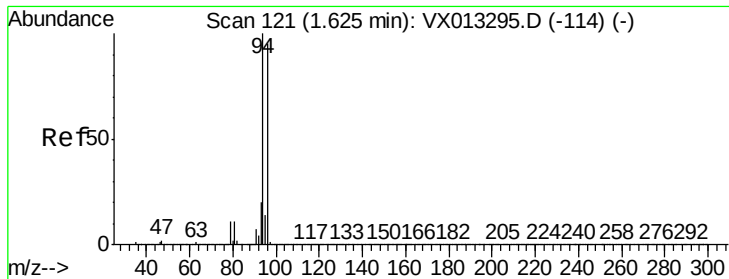
Tgt Ion: 62 Resp: 199238

Ion Ratio Lower Upper

62 100

64 30.5 25.6 38.4





#5

Bromomethane

Concen: 17.593 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX013385.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBS02

Tot Ion: 94 Resp: 119756

Ion Ratio Lower Upper

94 100

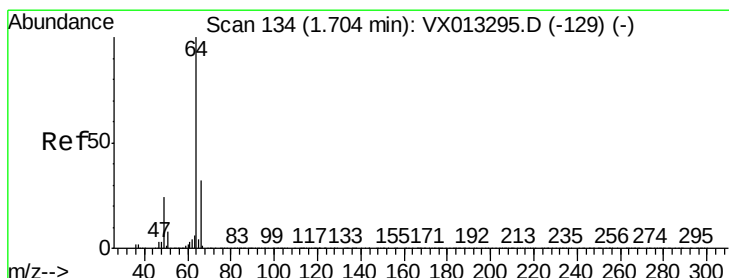
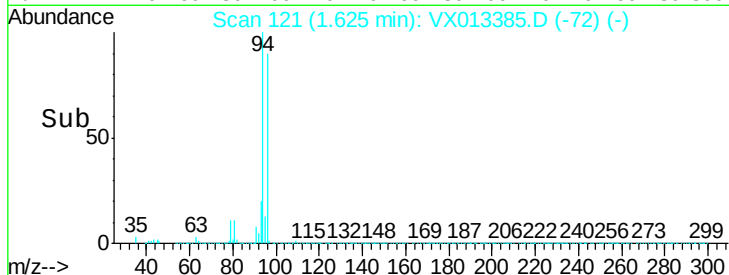
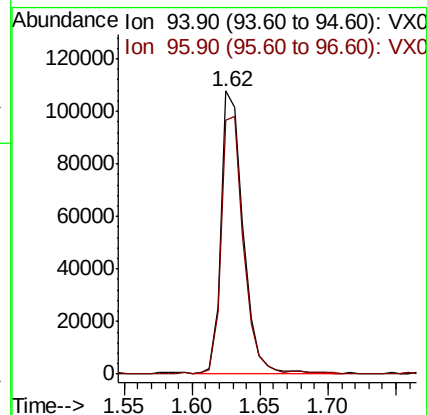
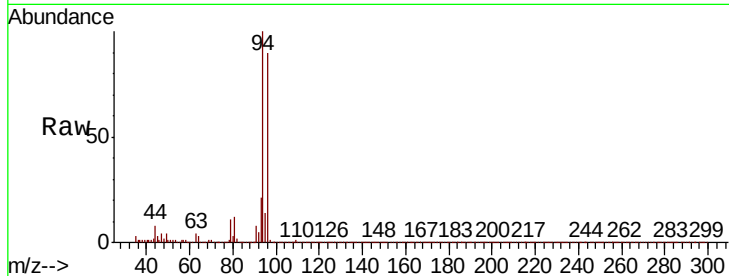
96 89.5 75.8 113.8

Manual Integrations

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#6

Chloroethane

Concen: 19.298 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX013385.D

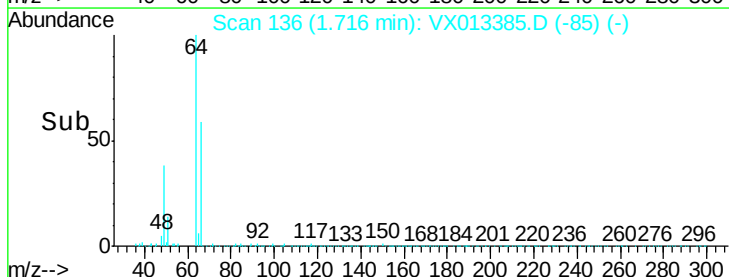
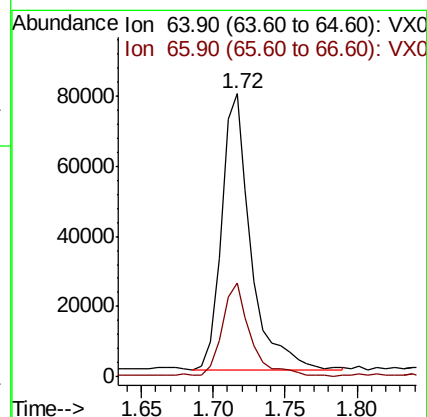
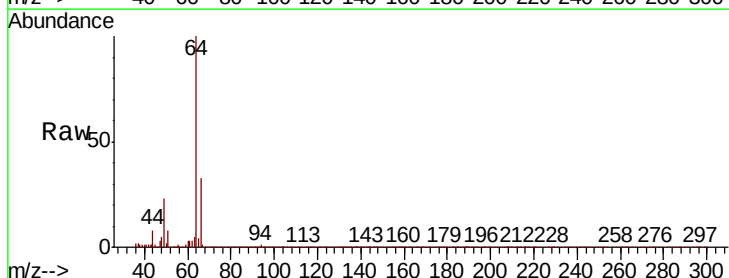
Acq: 12 Nov 2019 15:18

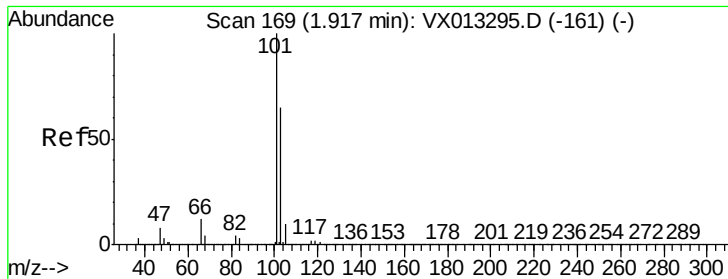
Tgt Ion: 64 Resp: 111840

Ion Ratio Lower Upper

64 100

66 33.7 25.6 38.4





#7

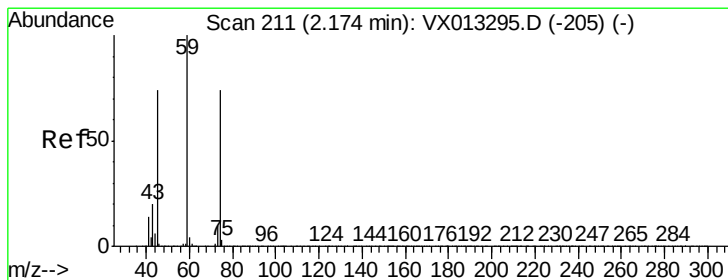
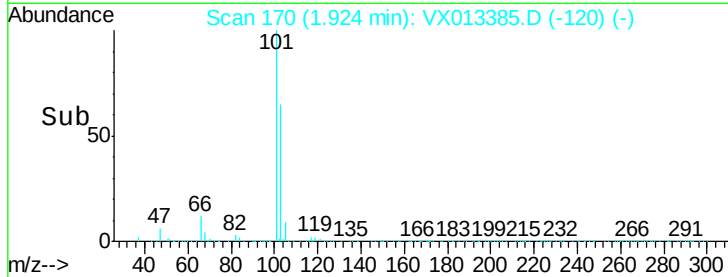
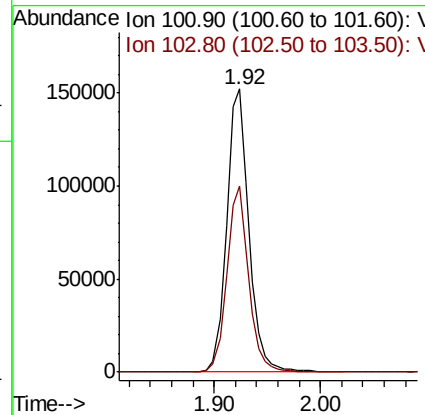
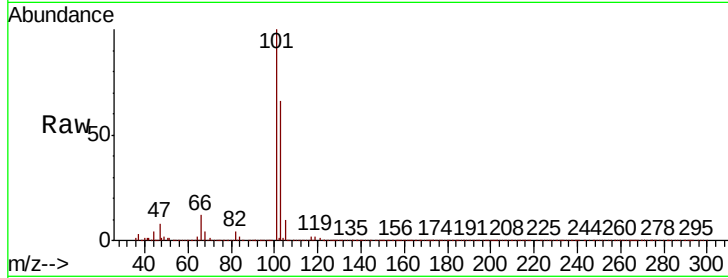
Trichlorofluoromethane
Concen: 19.139 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX013385.D
Acq: 12 Nov 2019 15:18

Instrument :
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ClientSampleId :
VX1112WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	52.3	78.5

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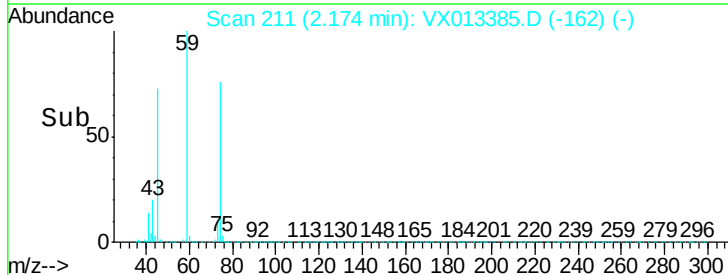
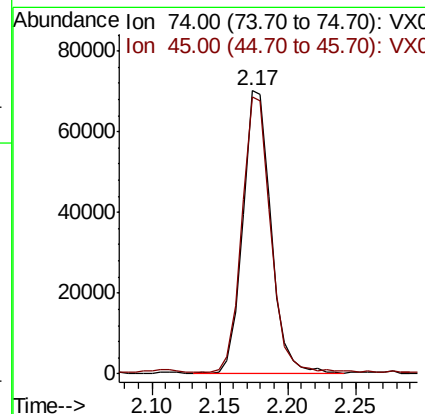
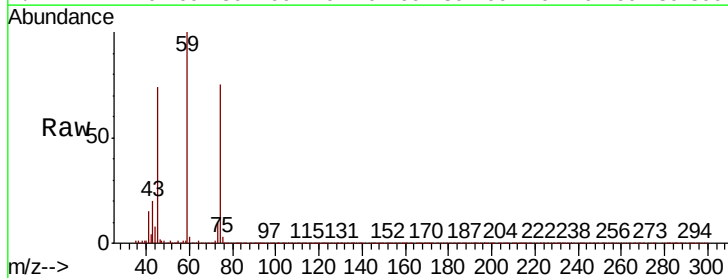
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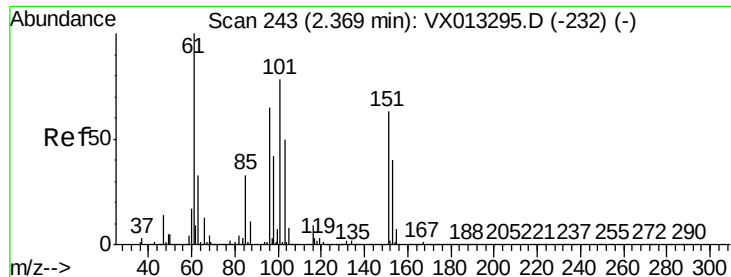


#8

Diethyl Ether
Concen: 19.750 ug/l
RT: 2.17 min Scan# 211
Delta R.T. 0.00 min
Lab File: VX013385.D
Acq: 12 Nov 2019 15:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.2	48.5	145.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.767 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX013385.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_X

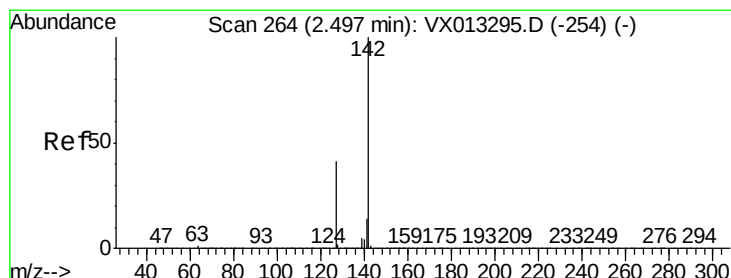
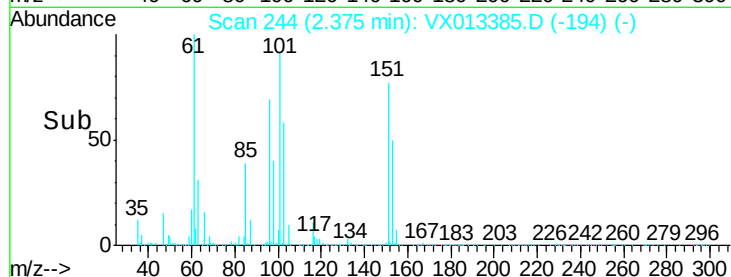
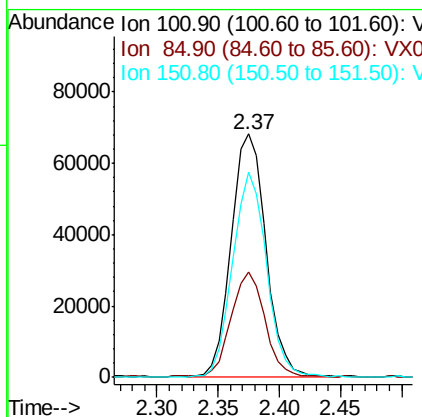
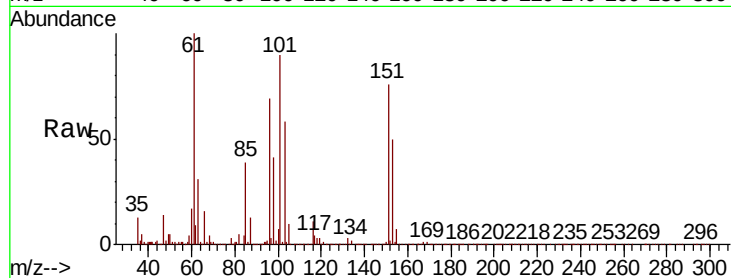
ClientSampleId :

VX1112WBS02

Tot Ion:	101	Resp:	133576
Ion Ratio	Lower	Upper	
101	100		
85	42.8	34.4	51.6
151	83.3	66.4	99.6

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11/13/2019 9:39:55 AM



#10

Methyl Iodide

Concen: 18.549 ug/l

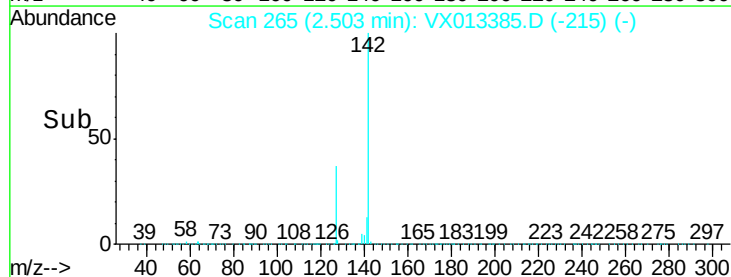
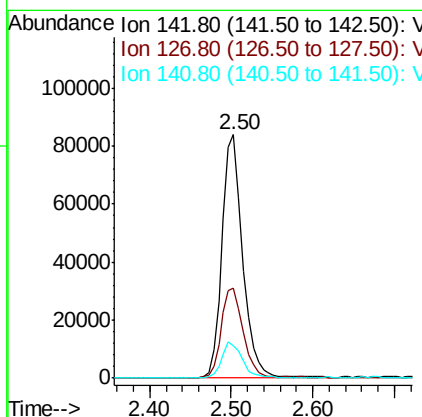
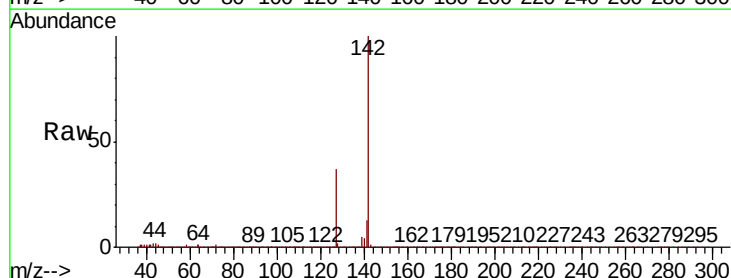
RT: 2.50 min Scan# 265

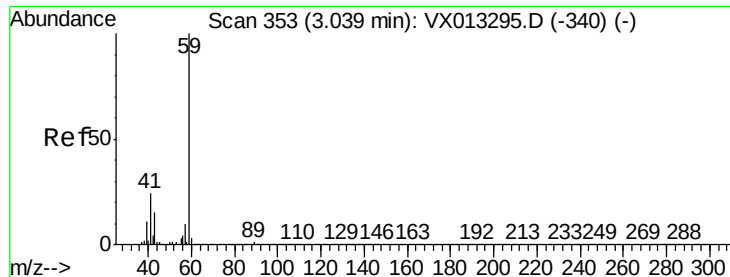
Delta R.T. 0.01 min

Lab File: VX013385.D

Acq: 12 Nov 2019 15:18

Tgt Ion:	142	Resp:	147720
Ion Ratio	Lower	Upper	
142	100		
127	39.8	32.6	49.0
141	15.2	11.6	17.4





#11

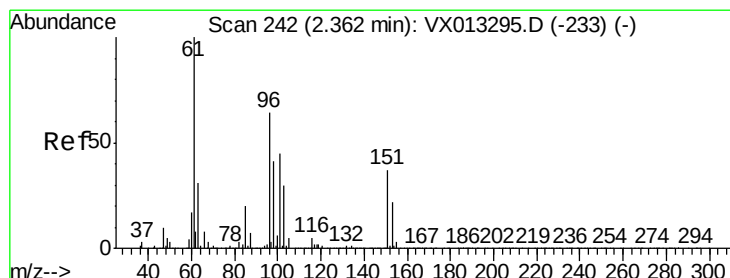
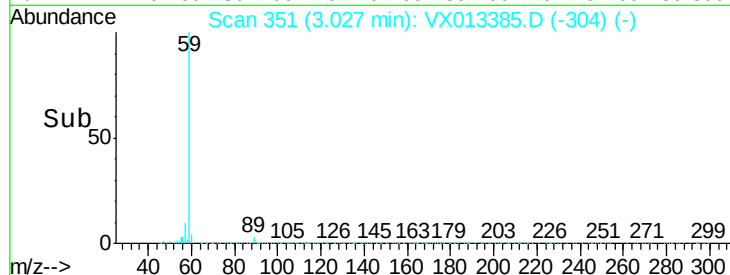
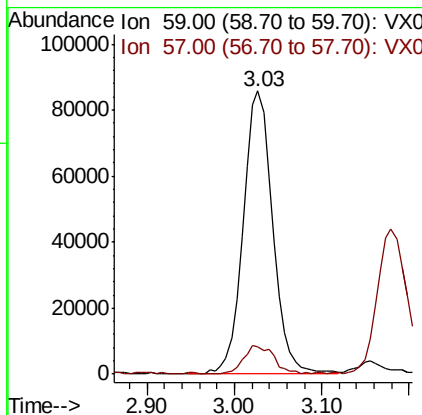
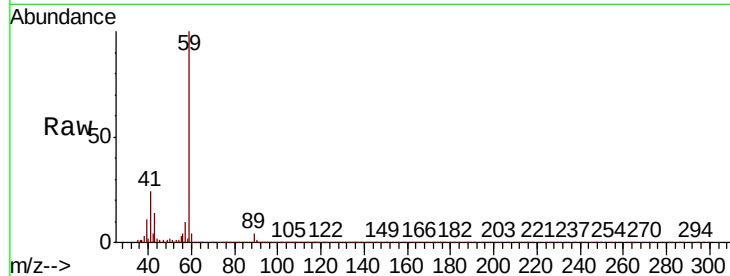
Tert butyl alcohol
Concen: 93.964 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX013385.D
Acq: 12 Nov 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.0	12.0

Manual Integrations
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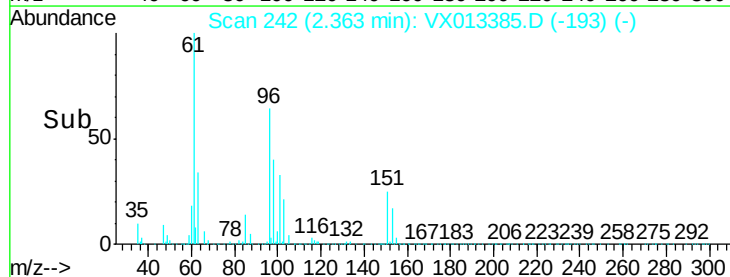
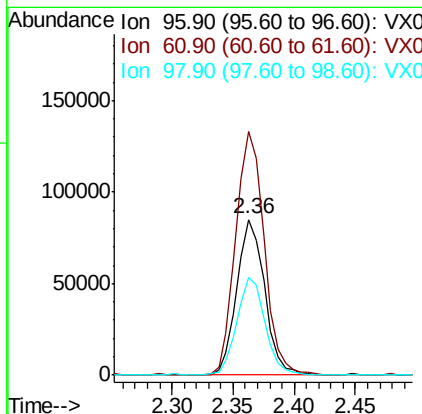
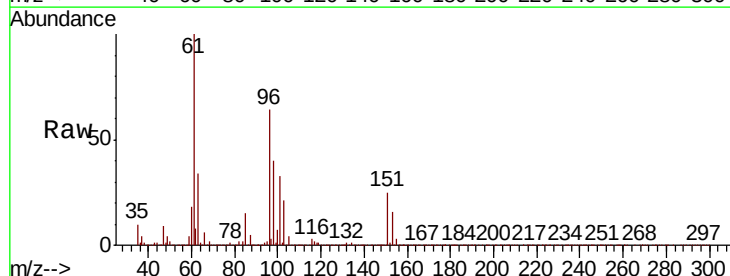
MMDadoda
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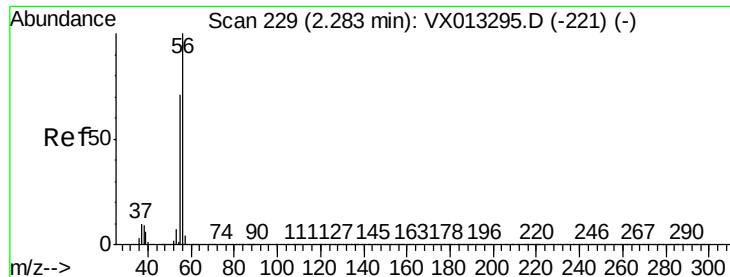


#12

1,1-Dichloroethene
Concen: 21.304 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX013385.D
Acq: 12 Nov 2019 15:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.5	125.0	187.6
98	62.4	50.7	76.1





#13

Acrolein

Concen: 103.418 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013385.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBS02

Tot Ion: 56 Resp: 120182

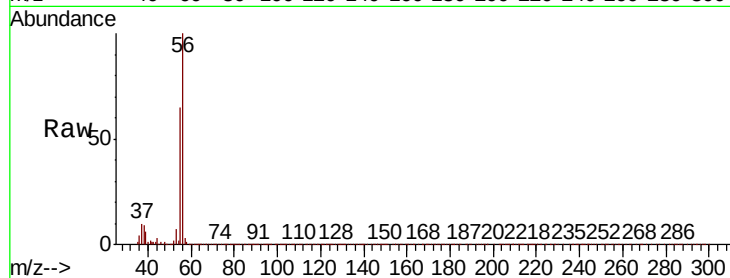
Ion Ratio Lower Upper

56 100

55 69.8 57.4 86.0

Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.28

80000

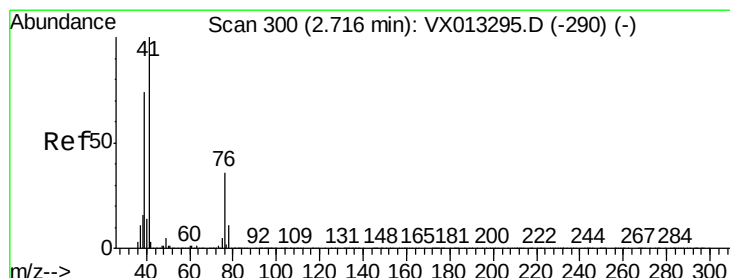
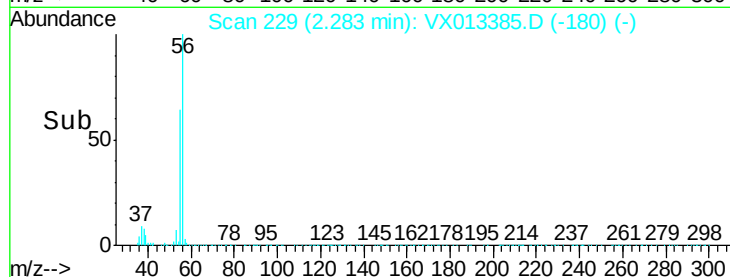
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 21.439 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX013385.D

Acq: 12 Nov 2019 15:18

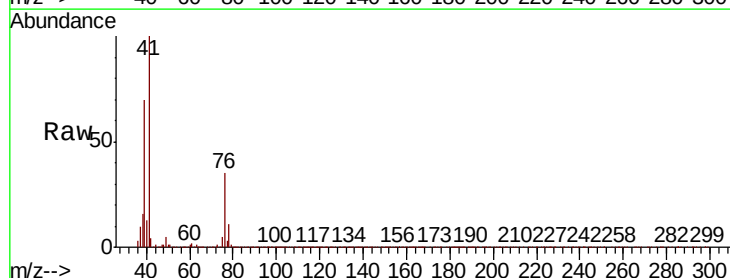
Tgt Ion: 41 Resp: 245369

Ion Ratio Lower Upper

41 100

39 64.5 55.8 83.8

76 31.4 26.4 39.6



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

2.72

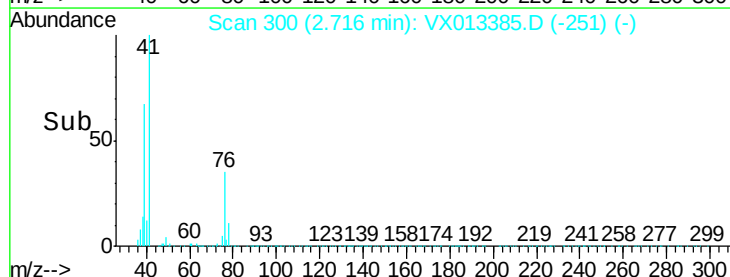
150000

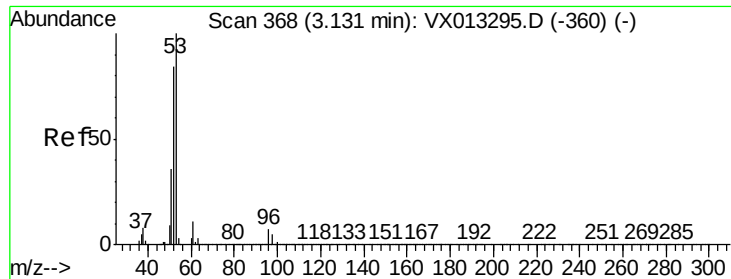
100000

50000

0

Time-->





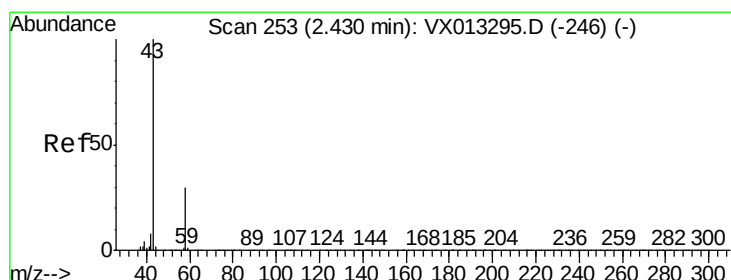
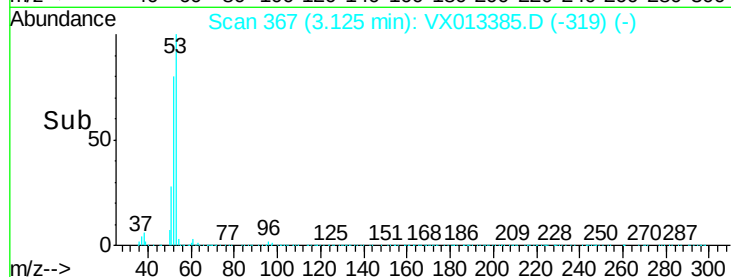
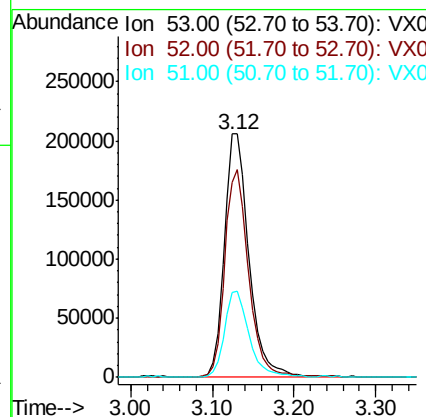
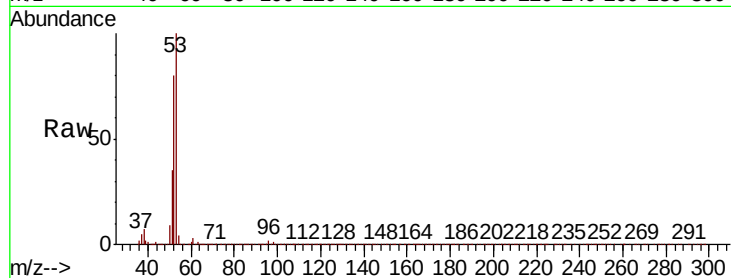
#15
 Acrylonitrile
 Concen: 107.251 ug/l
 RT: 3.12 min Scan# 367
 Delta R.T. -0.01 min
 Lab File: VX013385.D
 Acq: 12 Nov 2019 15:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112WBS02

Tot Ion:	53	Resp:	429568
Ion Ratio	Lower	Upper	
53	100		
52	82.8	67.4	101.0
51	35.0	29.4	44.2

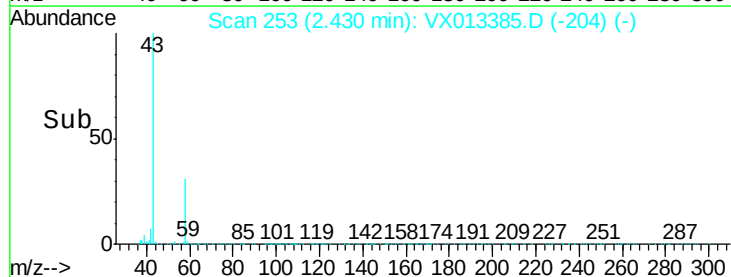
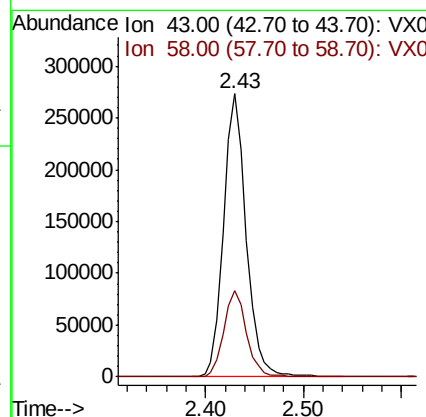
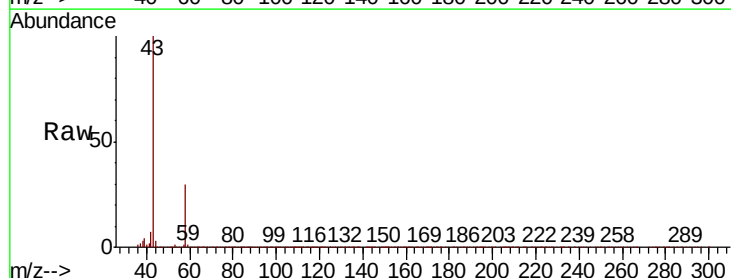
Manual Integrations
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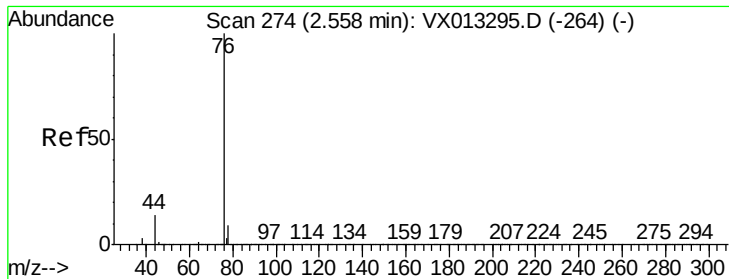
MMDadoda
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#16
 Acetone
 Concen: 106.783 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. 0.00 min
 Lab File: VX013385.D
 Acq: 12 Nov 2019 15:18

Tgt Ion:	43	Resp:	433297
Ion Ratio	Lower	Upper	
43	100		
58	30.5	24.3	36.5





#17

Carbon Disulfide

Concen: 19.921 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX013385.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBS02

Tot Ion: 76 Resp: 335849

Ion Ratio Lower Upper

76 100

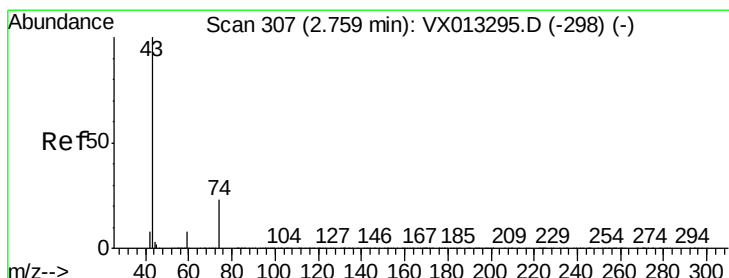
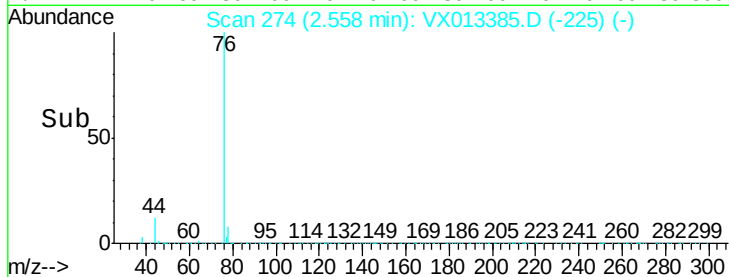
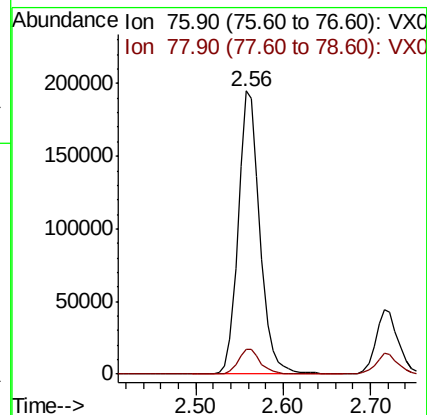
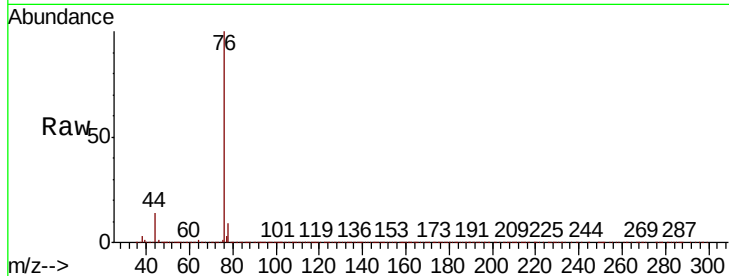
78 8.5 7.0 10.6

Manual Integrations

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#18

Methyl Acetate

Concen: 21.831 ug/l

RT: 2.76 min Scan# 307

Delta R.T. 0.00 min

Lab File: VX013385.D

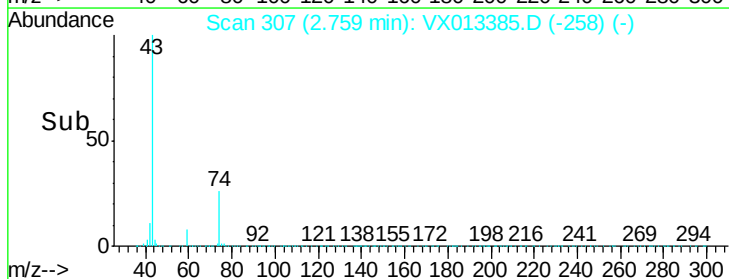
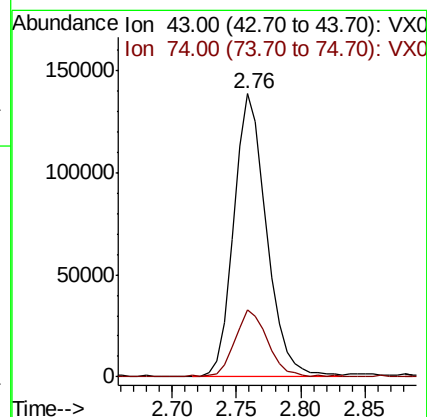
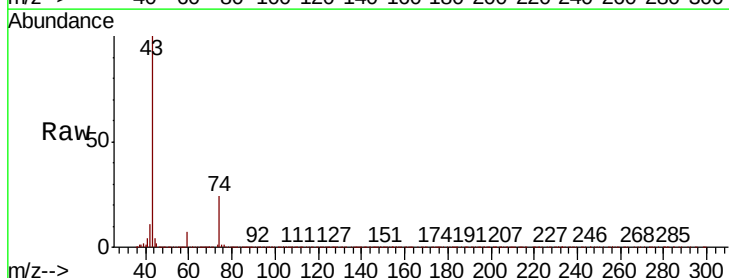
Acq: 12 Nov 2019 15:18

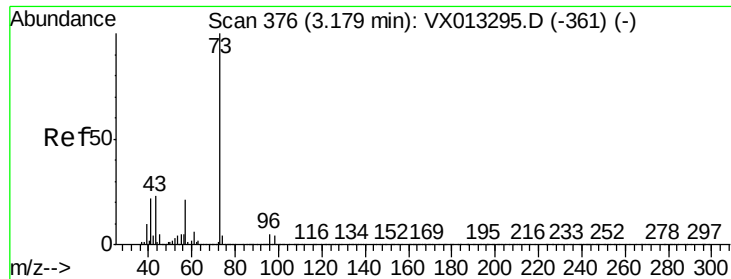
Tgt Ion: 43 Resp: 244567

Ion Ratio Lower Upper

43 100

74 23.9 19.0 28.6





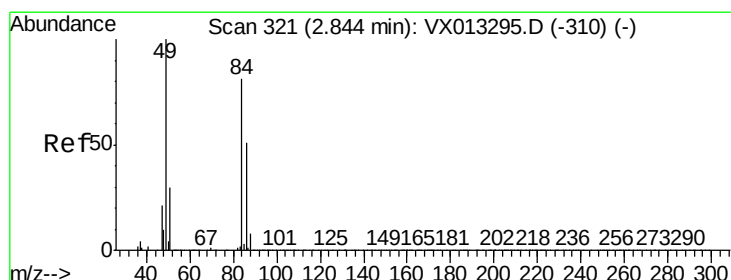
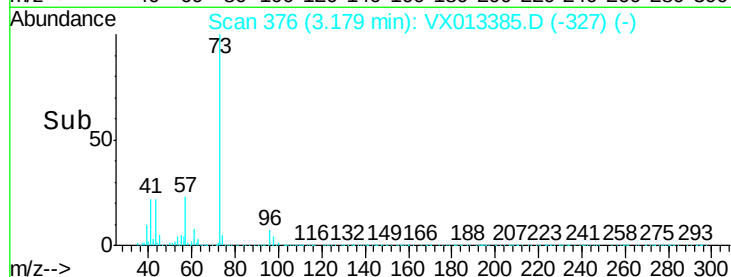
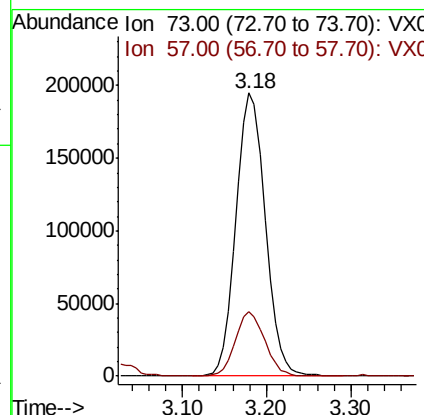
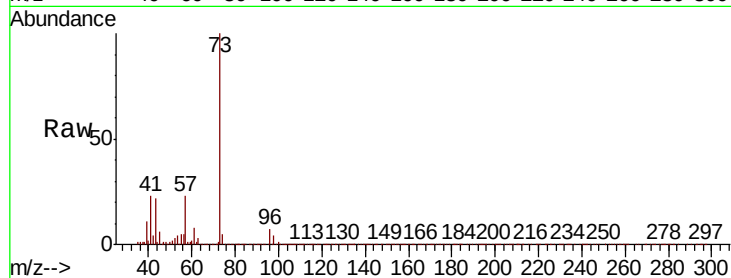
#19
Methyl tert-butyl Ether
Concen: 21.886 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX013385.D
Acq: 12 Nov 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.1	25.7

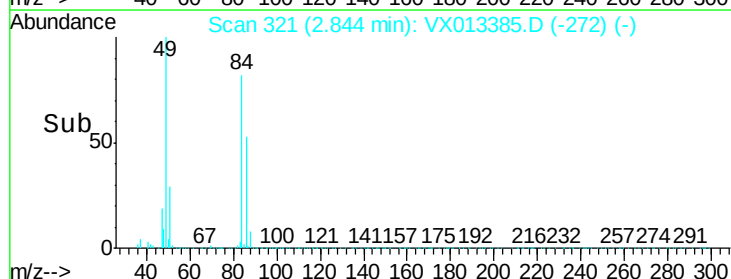
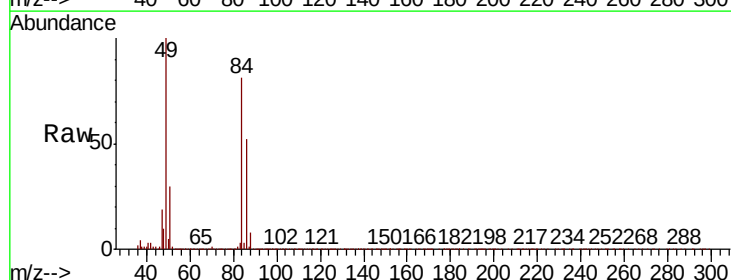
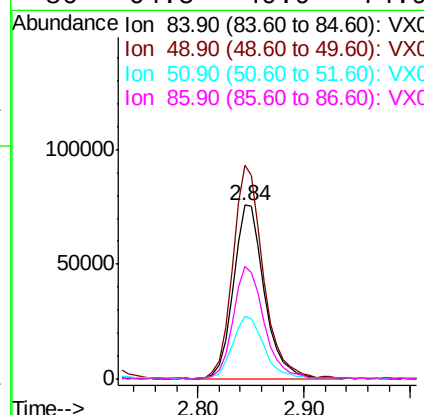
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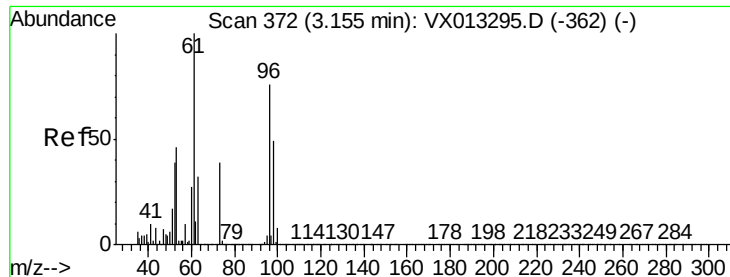
MMDadoda
11/13/2019 9:39:55 AM



#20
Methylene Chloride
Concen: 20.434 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX013385.D
Acq: 12 Nov 2019 15:18

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.2	98.2	147.4
51	36.0	29.9	44.9
86	64.5	49.9	74.9





#21

trans-1,2-Dichloroethene

Concen: 20.829 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013385.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBS02

Tot Ion: 96 Resp: 142852

Ion Ratio Lower Upper

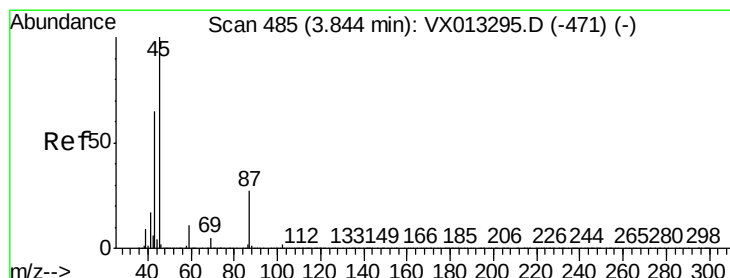
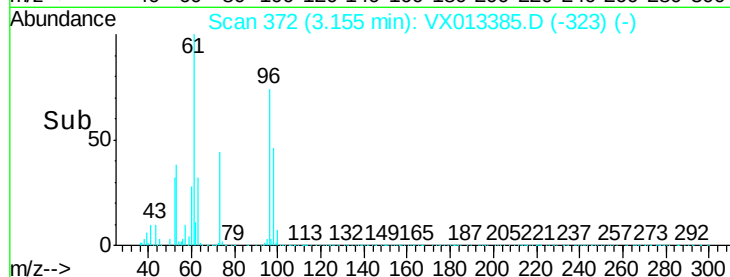
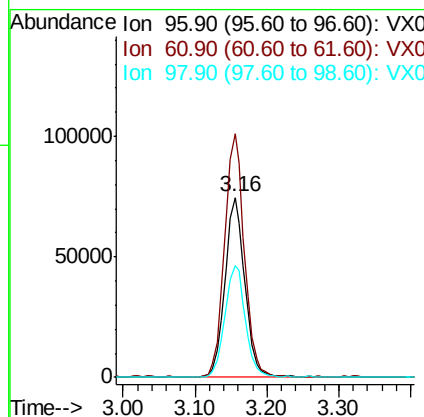
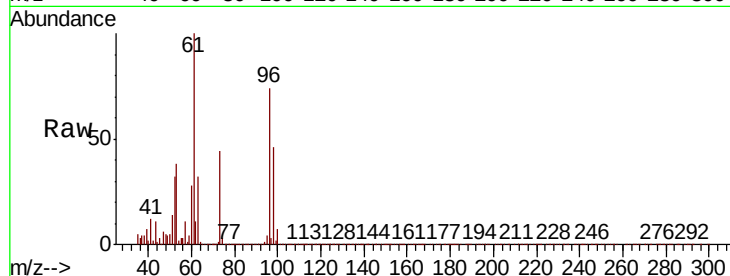
96 100

61 135.4 105.8 158.6

98 61.9 51.8 77.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 22.309 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.01 min

Lab File: VX013385.D

Acq: 12 Nov 2019 15:18

Tgt Ion: 45 Resp: 492927

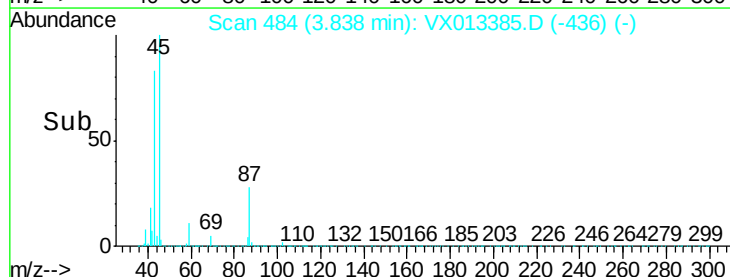
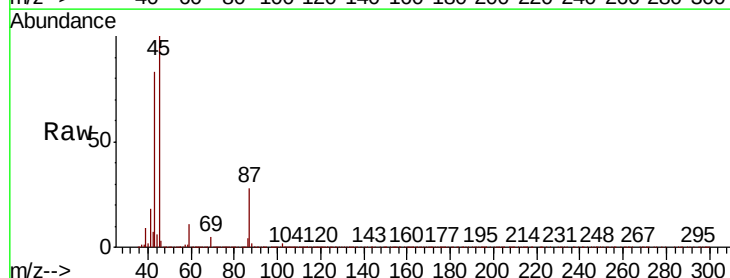
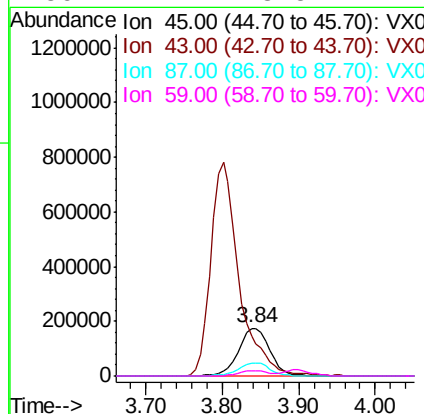
Ion Ratio Lower Upper

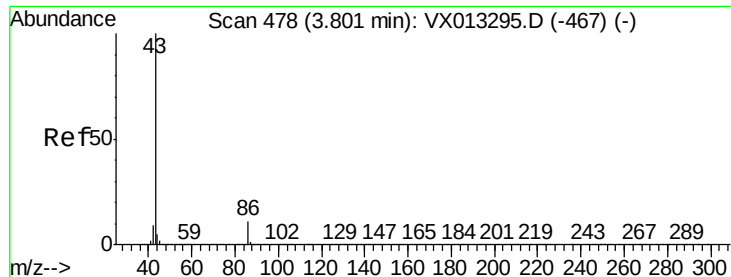
45 100

43 81.7 54.2 81.2#

87 27.4 21.8 32.8

59 11.1 8.5 12.7





#23

Vinyl Acetate

Concen: 106.475 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX013385.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBS02

Tot Ion: 43 Resp: 2013132

Ion Ratio Lower Upper

43 100

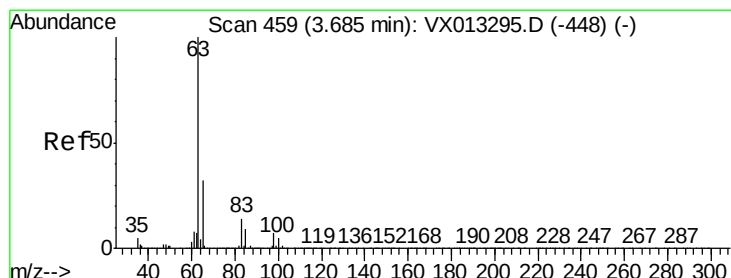
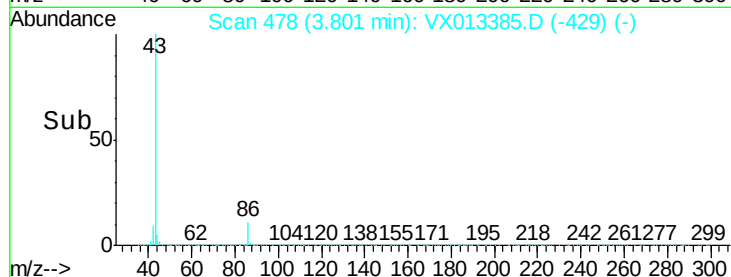
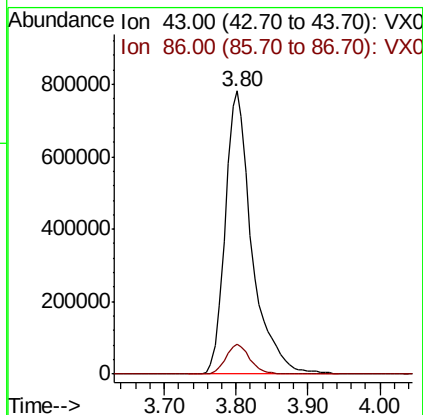
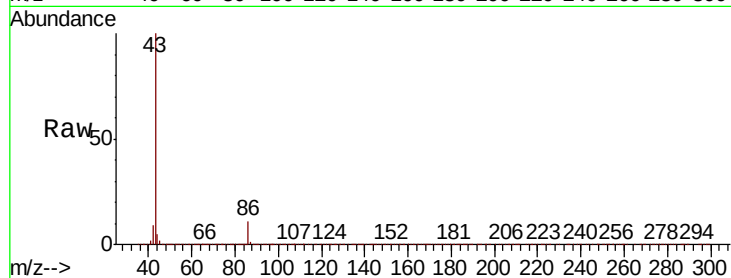
86 10.7 8.6 13.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.323 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX013385.D

Acq: 12 Nov 2019 15:18

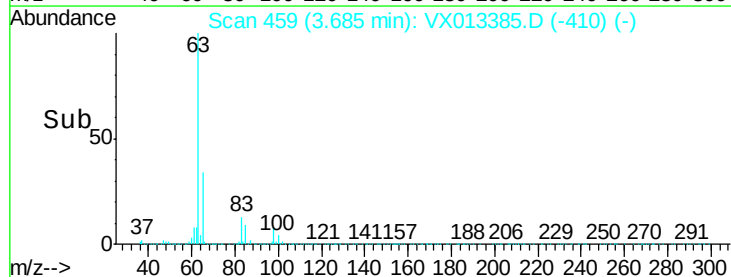
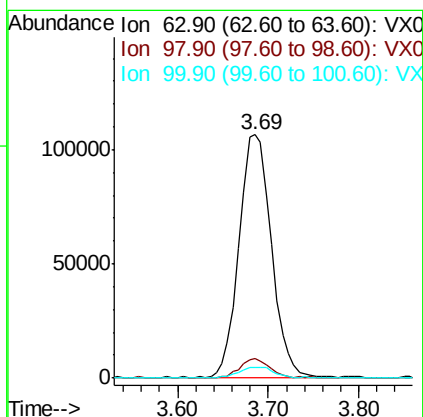
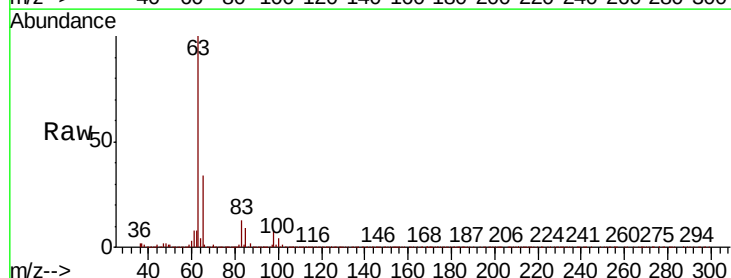
Tgt Ion: 63 Resp: 263556

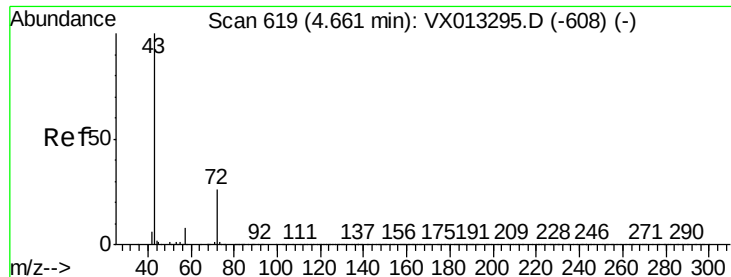
Ion Ratio Lower Upper

63 100

98 7.8 3.5 10.4

100 4.4 2.4 7.2





#25

2-Butanone

Concen: 107.348 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX013385.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBS02

Tot Ion: 43 Resp: 639016

Ion Ratio Lower Upper

43 100

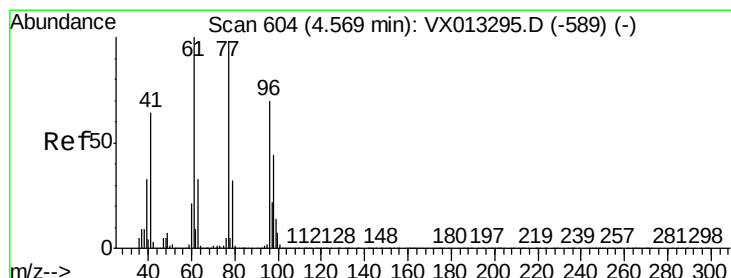
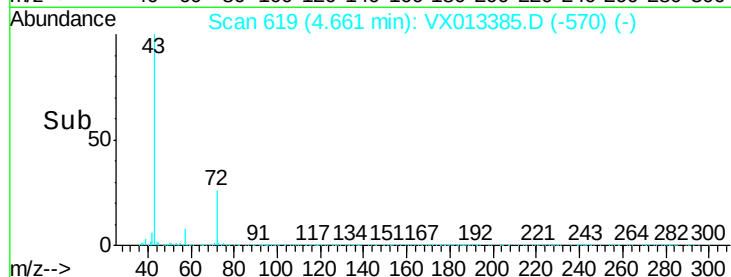
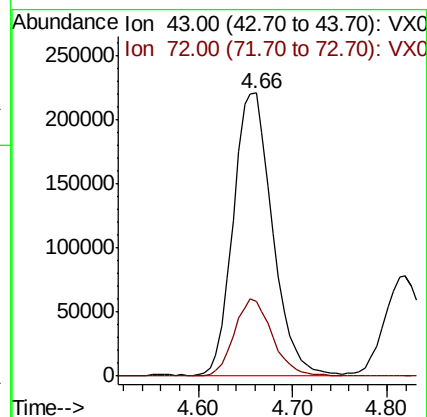
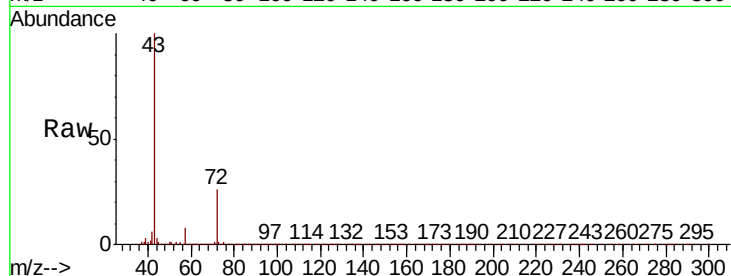
72 26.1 21.0 31.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 22.033 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX013385.D

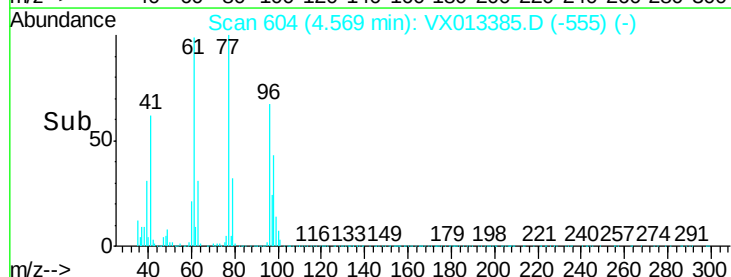
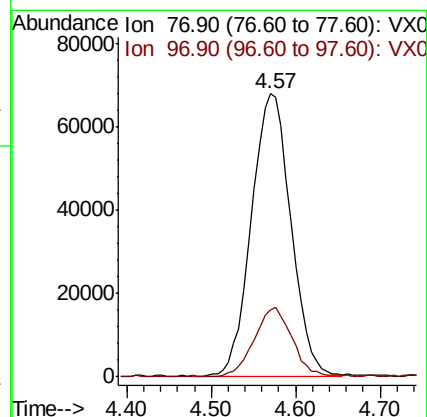
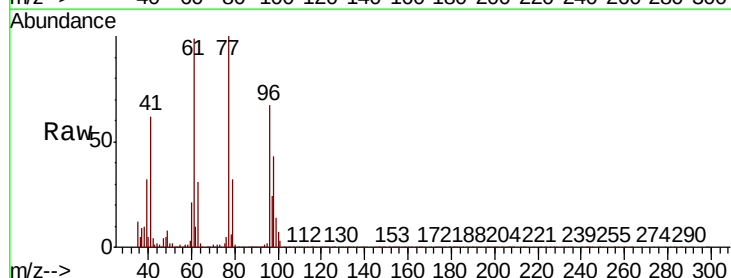
Acq: 12 Nov 2019 15:18

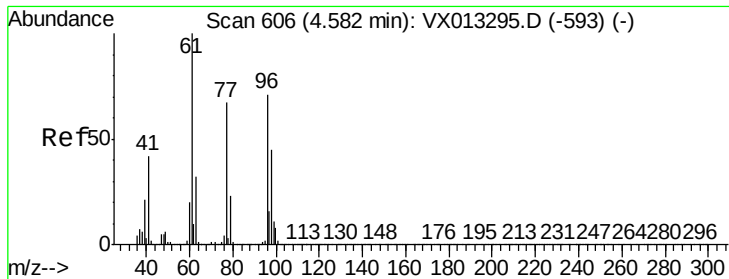
Tgt Ion: 77 Resp: 216650

Ion Ratio Lower Upper

77 100

97 23.0 11.3 33.8





#27

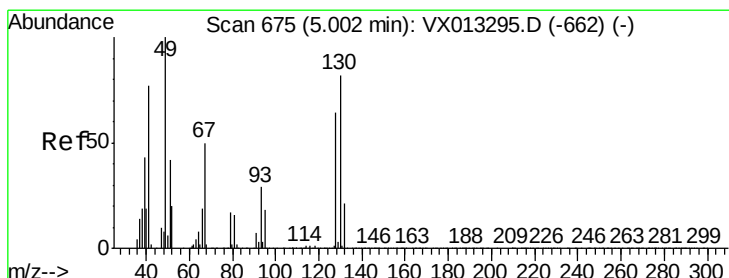
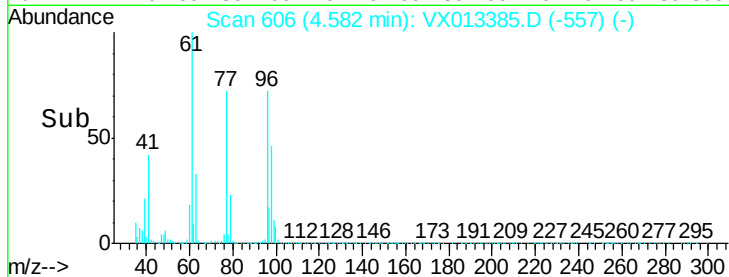
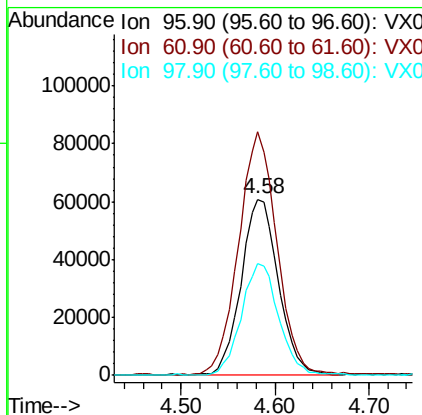
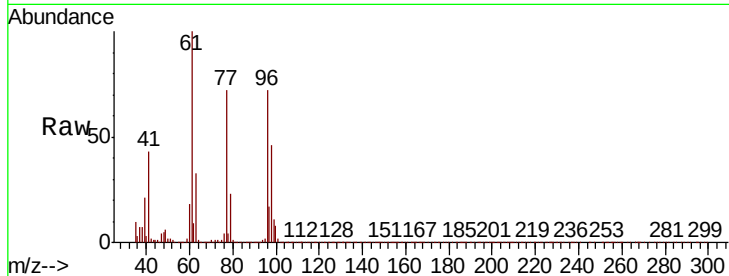
cis-1,2-Dichloroethene
Concen: 21.773 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX013385.D
Acq: 12 Nov 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	167275		
61	143.4	0.0	288.0	
98	63.0	0.0	129.6	

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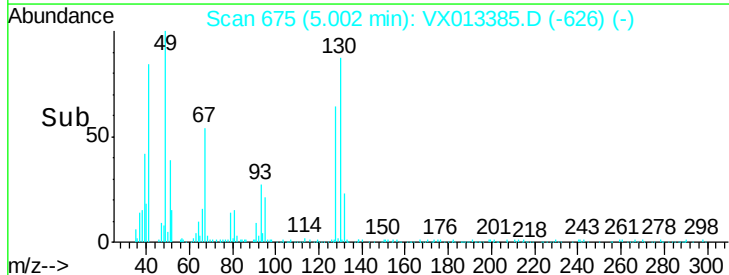
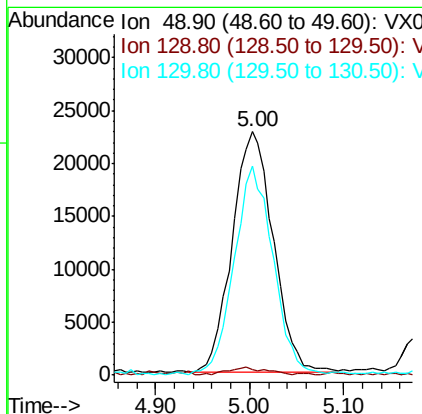
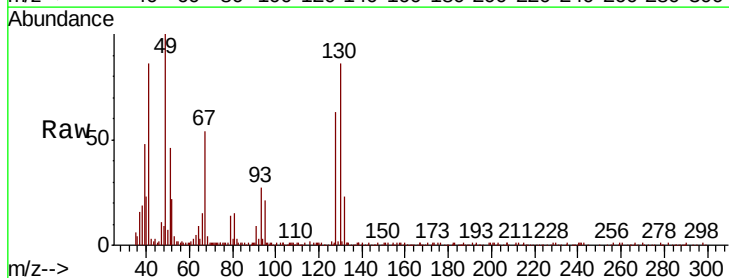
MMDadoda
11/13/2019 9:39:55 AM

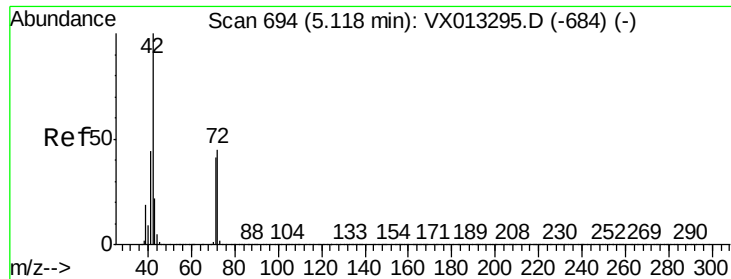


#28

Bromochloromethane
Concen: 19.678 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX013385.D
Acq: 12 Nov 2019 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	69061		
129	3.1	0.0	5.2	
130	82.6	63.8	95.6	





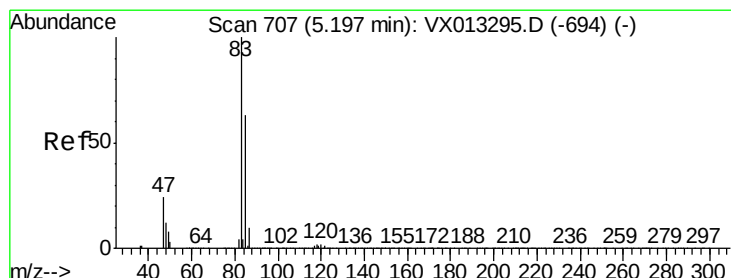
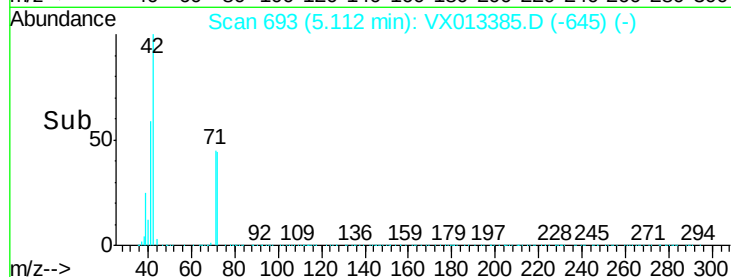
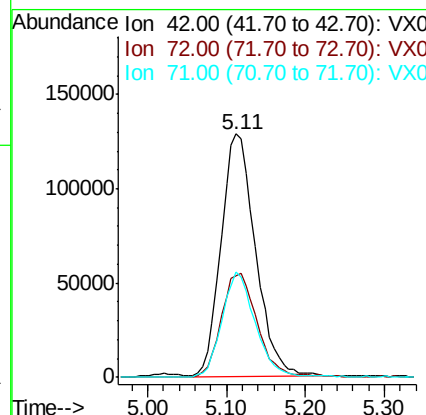
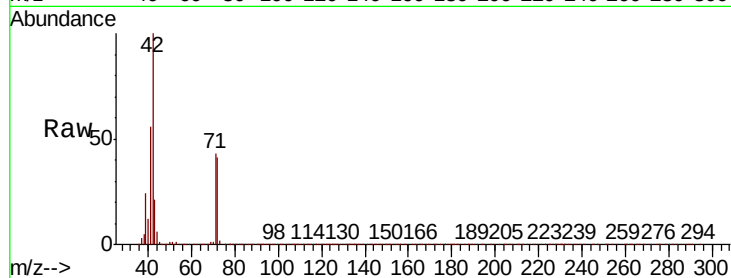
#29
Tetrahydrofuran
Concen: 106.884 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.01 min
Lab File: VX013385.D
Acq: 12 Nov 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	35.8	53.8
71	41.1	33.4	50.0

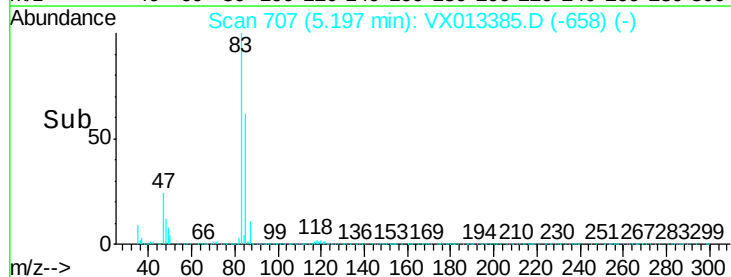
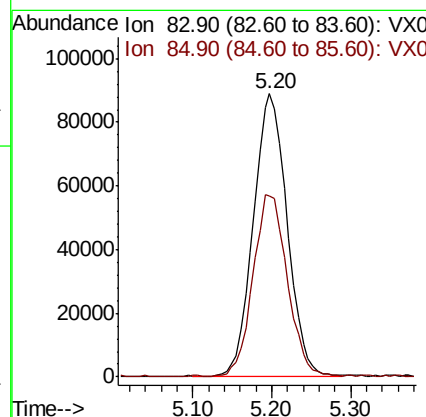
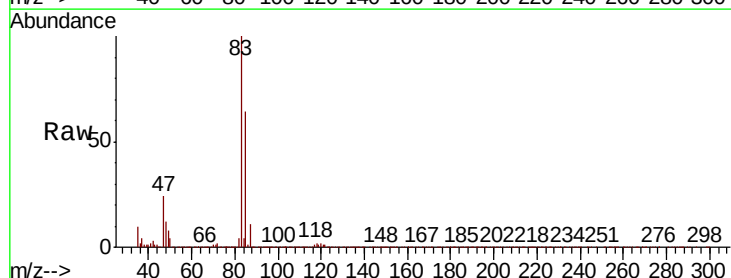
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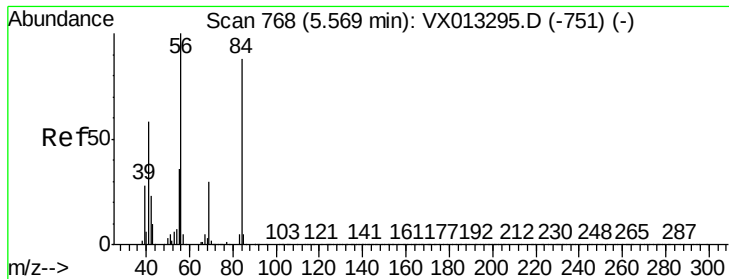
MMDadoda
11/13/2019 9:39:55 AM



#30
Chloroform
Concen: 21.793 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX013385.D
Acq: 12 Nov 2019 15:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.2	75.4





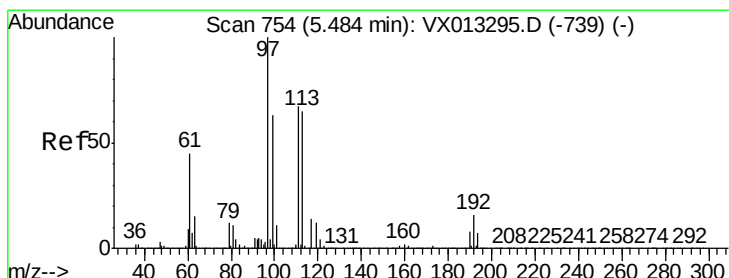
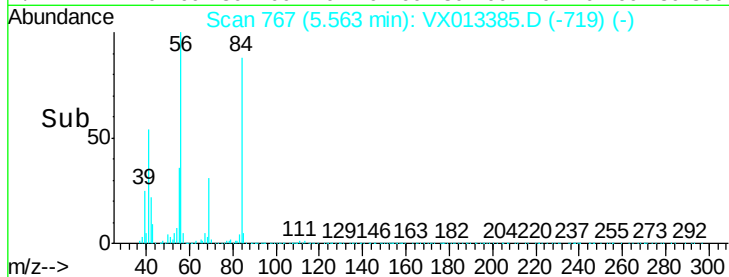
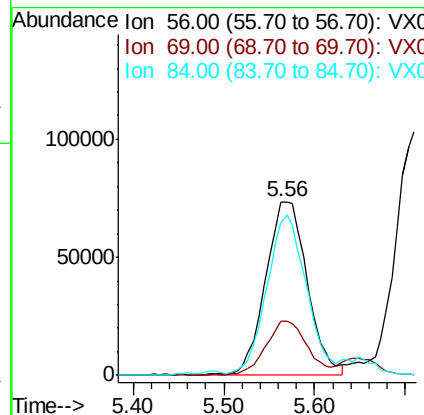
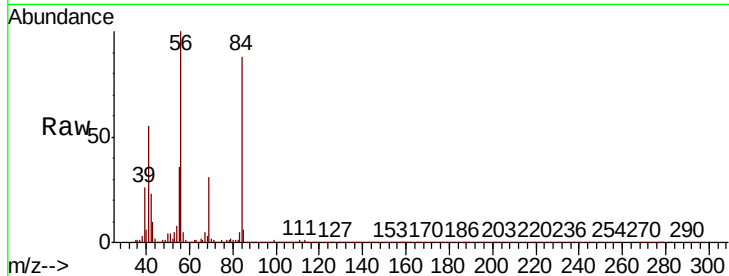
#31
Cyclohexane
Concen: 20.795 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX013385.D
Acq: 12 Nov 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.3	23.7	35.5
84	87.2	70.6	105.8

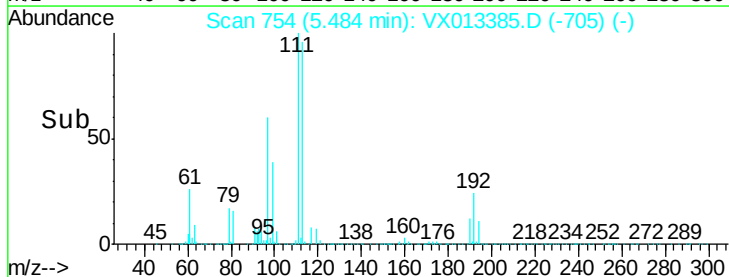
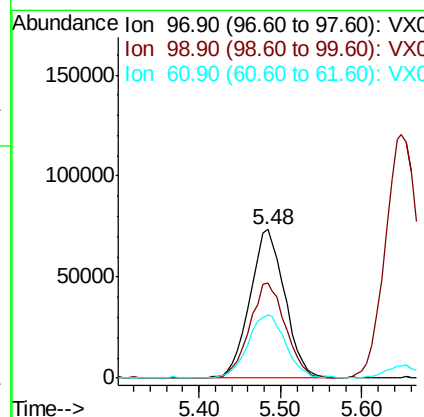
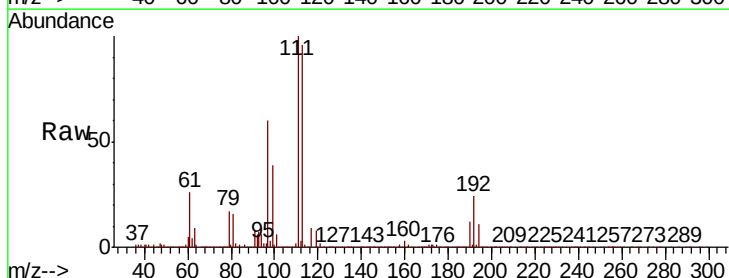
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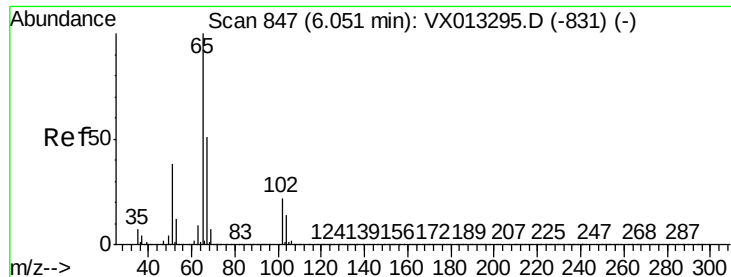
MMDadoda
11/13/2019 9:39:55 AM



#32
1,1,1-Trichloroethane
Concen: 20.797 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX013385.D
Acq: 12 Nov 2019 15:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.1	76.7
61	45.8	36.5	54.7





#33

1,2-Dichloroethane-d4

Concen: 50.610 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013385.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBS02

Tot Ion: 65 Resp: 411720

Ion Ratio Lower Upper

65 100

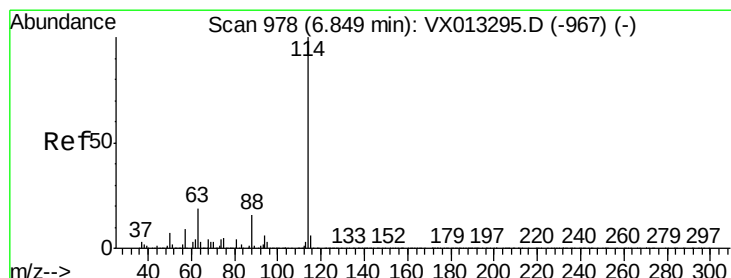
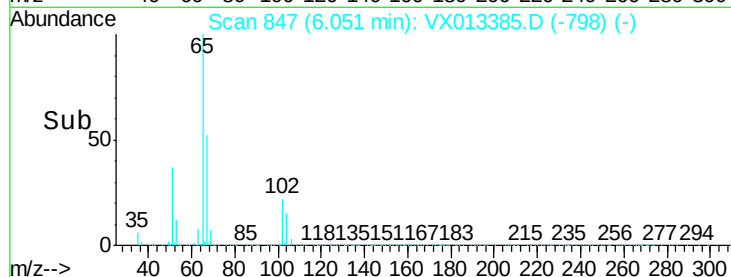
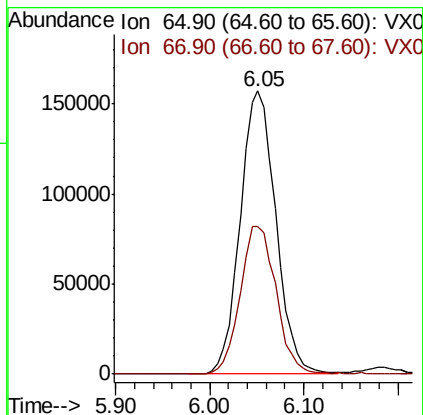
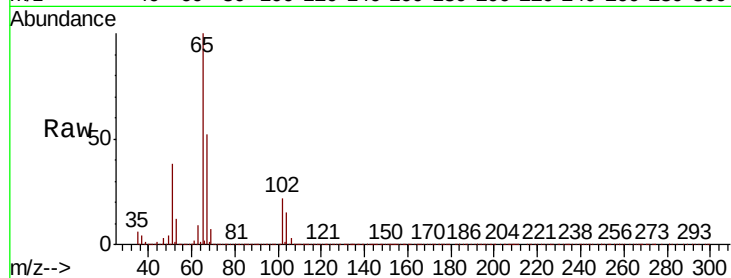
67 52.6 0.0 104.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013385.D

Acq: 12 Nov 2019 15:18

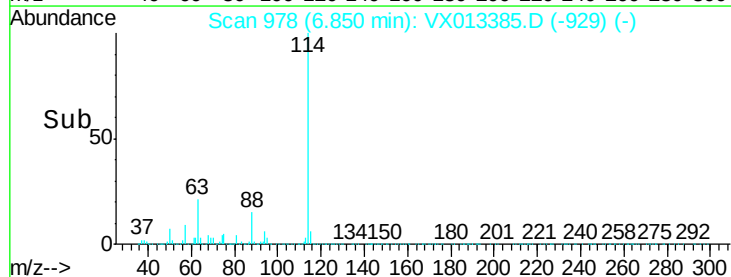
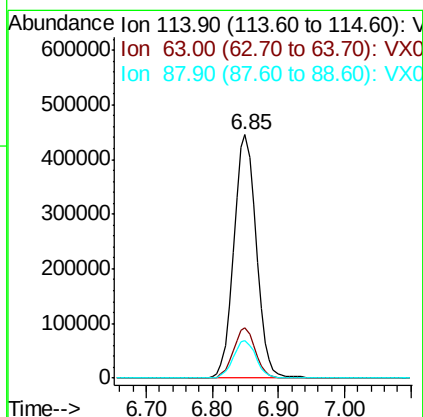
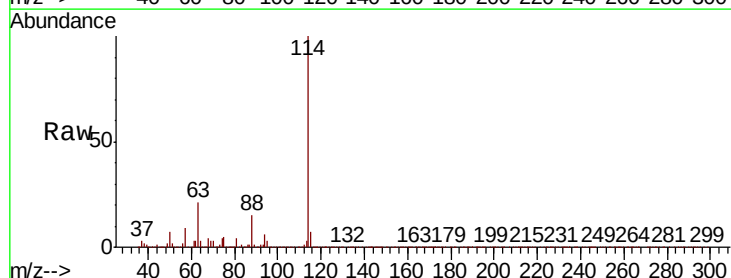
Tgt Ion: 114 Resp: 1047472

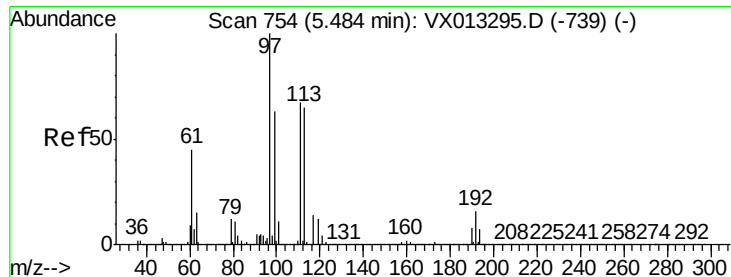
Ion Ratio Lower Upper

114 100

63 20.5 0.0 38.4

88 15.3 0.0 32.2





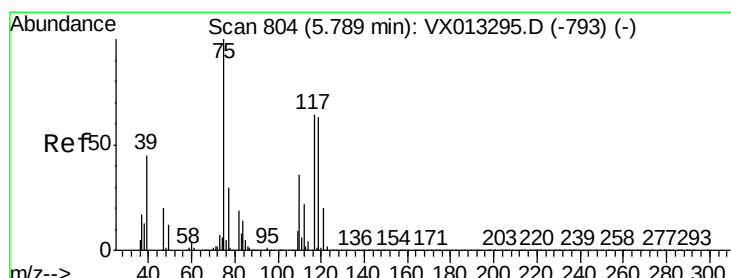
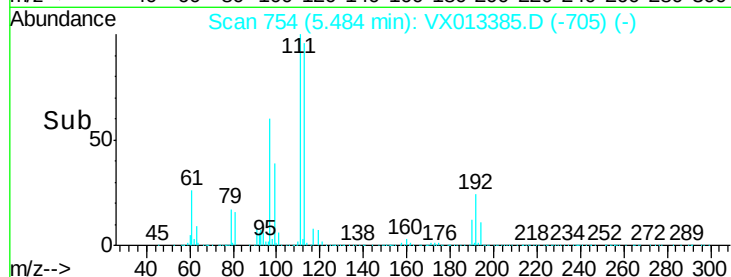
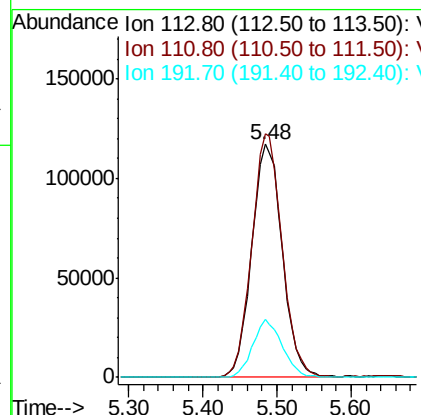
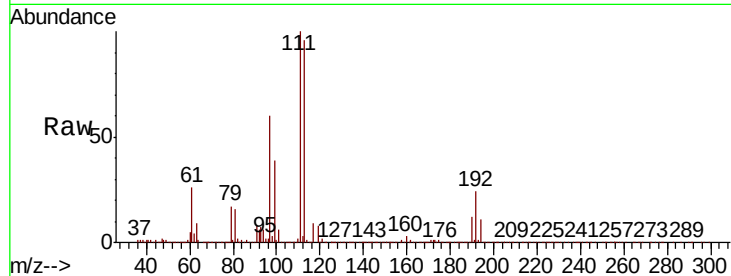
#35
 Dibromofluoromethane
 Concen: 51.528 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX013385.D
 Acq: 12 Nov 2019 15:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.0	81.9	122.9	
192	24.1	19.1	28.7	

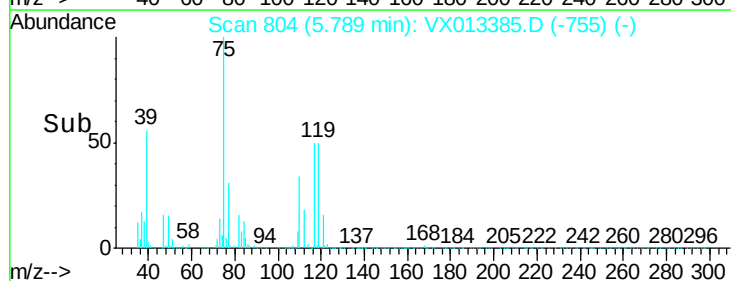
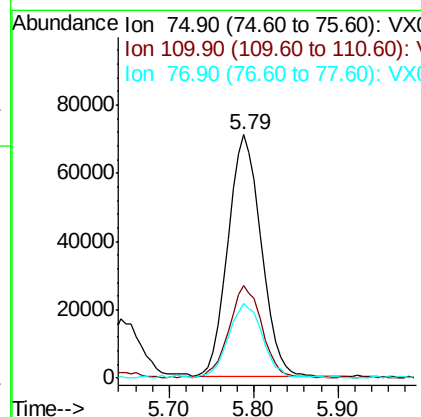
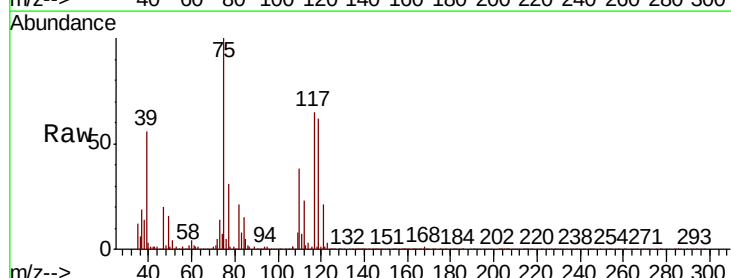
Manual Integrations
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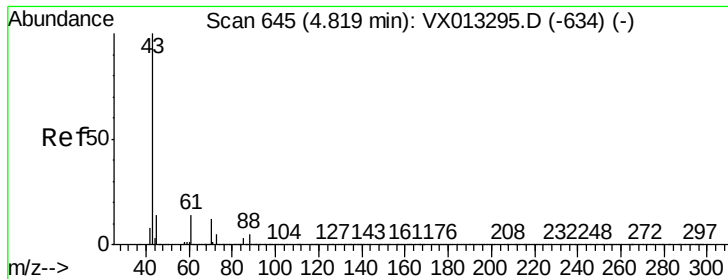
MMDadoda
 11/13/2019 9:39:55 AM



#36
 1,1-Dichloropropene
 Concen: 21.281 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX013385.D
 Acq: 12 Nov 2019 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	38.0	18.1	54.1	
77	30.2	25.0	37.4	





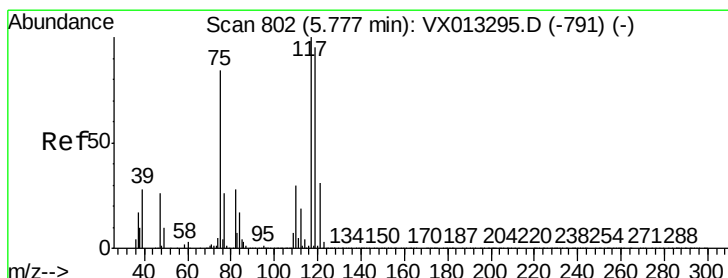
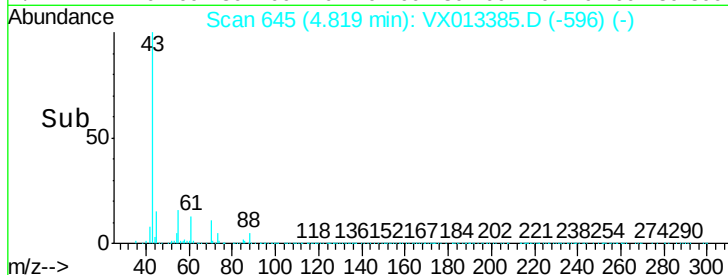
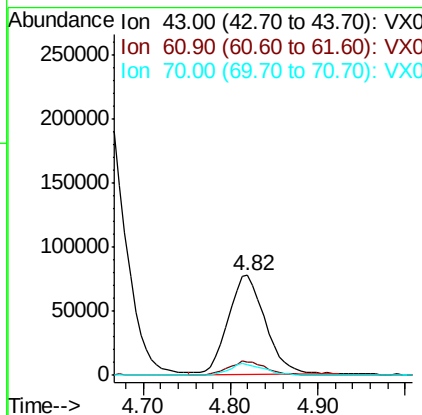
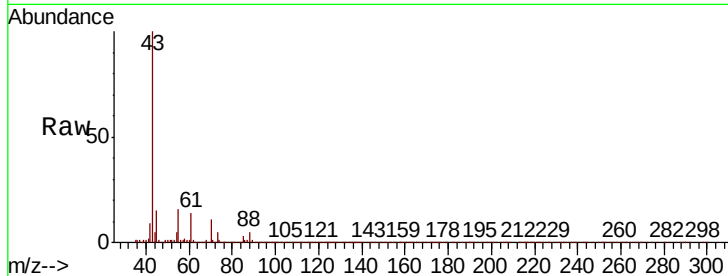
#37
Ethyl Acetate
Concen: 20.613 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX013385.D
Acq: 12 Nov 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBS02

Tot Ion	43	Resp	228878
Ion Ratio	Lower	Upper	
43	100		
61	14.2	10.7	16.1
70	11.1	8.7	13.1

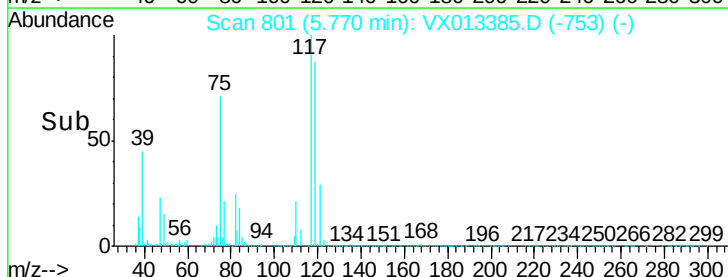
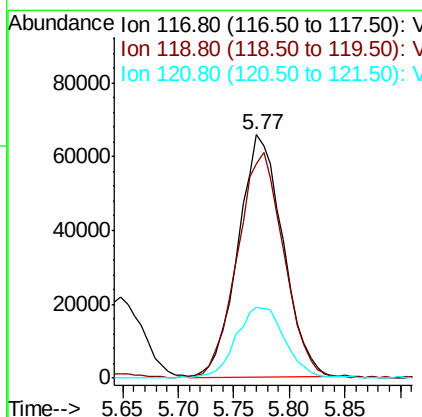
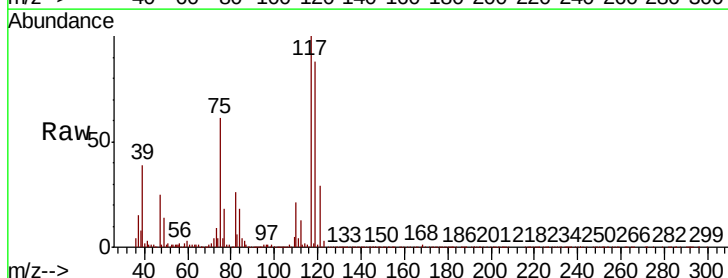
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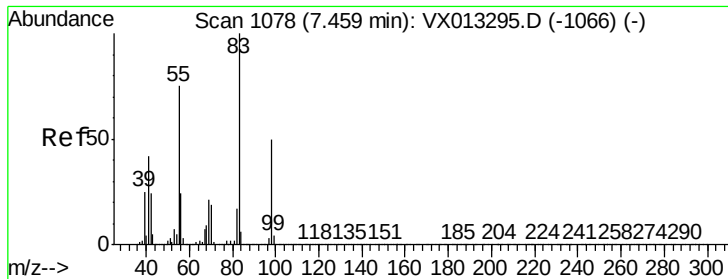
MMDadoda
11/13/2019 9:39:55 AM



#38
Carbon Tetrachloride
Concen: 20.934 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX013385.D
Acq: 12 Nov 2019 15:18

Tgt Ion	117	Resp	183948
Ion Ratio	Lower	Upper	
117	100		
119	87.8	76.1	114.1
121	29.1	24.6	37.0





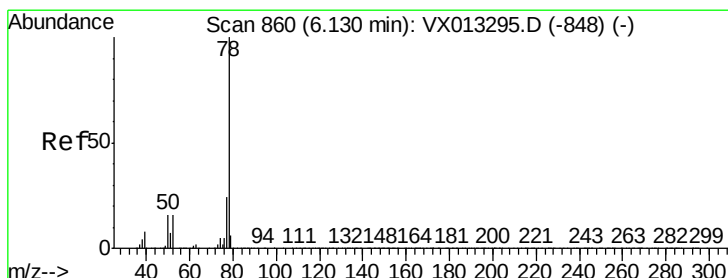
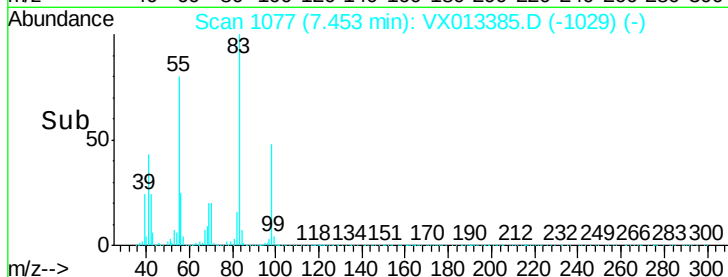
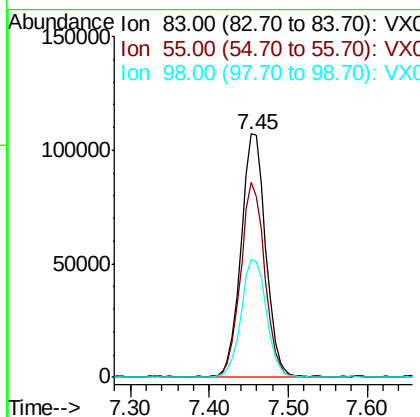
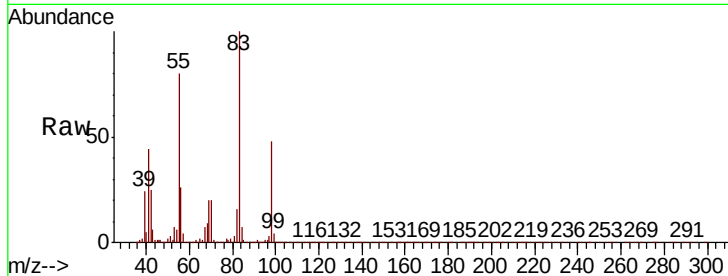
#39
Methylvlcyclohexane
Concen: 20.772 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX013385.D
Acq: 12 Nov 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBS02

Tot Ion:	83	Resp:	232579
Ion Ratio	Lower	Upper	
83	100		
55	80.0	60.3	90.5
98	48.4	40.3	60.5

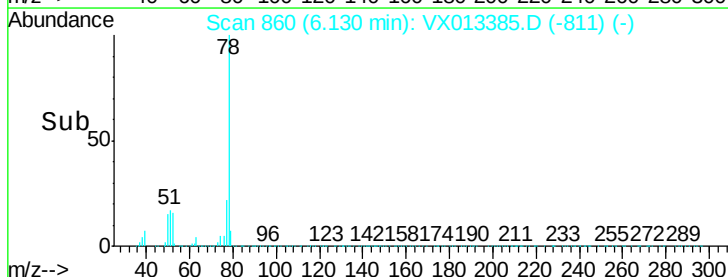
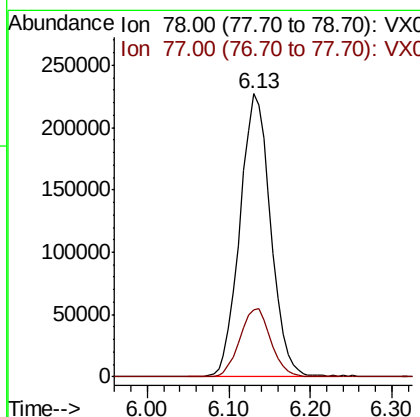
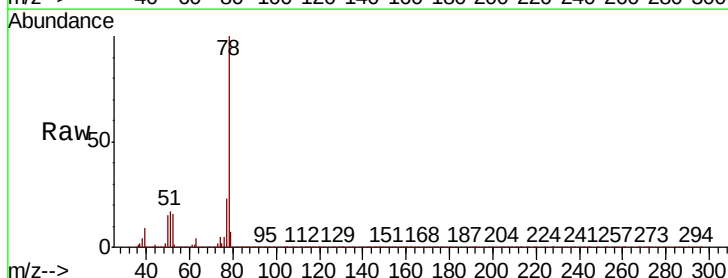
Manual Integrations
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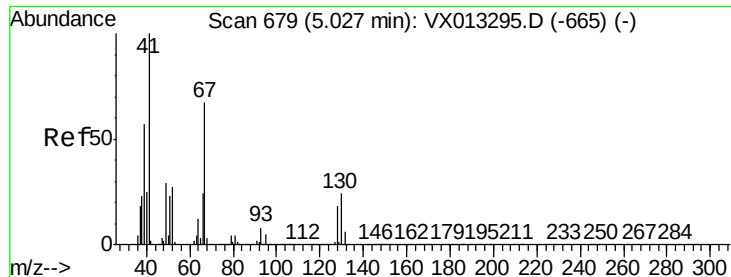
MMDadoda
11/13/2019 9:39:55 AM



#40
Benzene
Concen: 21.313 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX013385.D
Acq: 12 Nov 2019 15:18

Tgt Ion:	78	Resp:	596568
Ion Ratio	Lower	Upper	
78	100		
77	23.3	19.5	29.3





#41

Methacrylonitrile

Concen: 20.950 ug/l

RT: 5.03 min Scan# 679

Delta R.T. 0.00 min

Lab File: VX013385.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_X

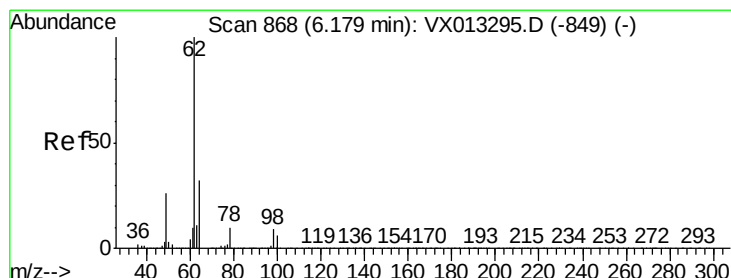
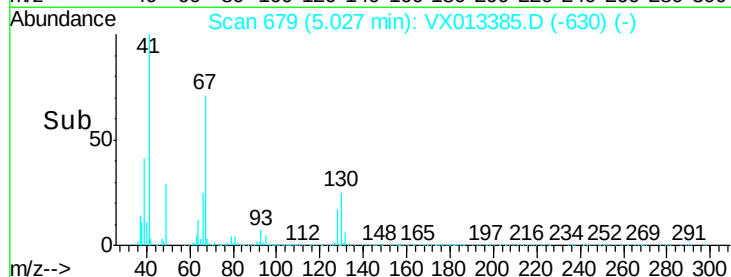
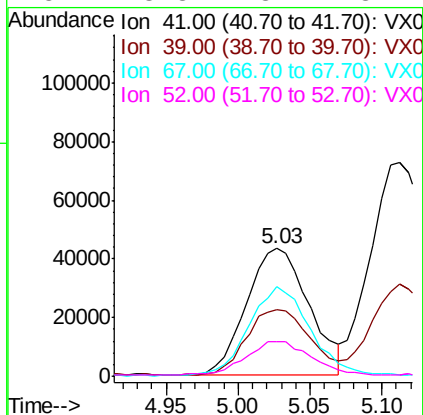
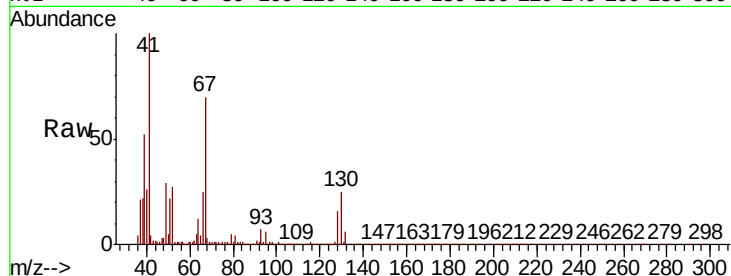
ClientSampleId :

VX1112WBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.0	45.0	67.6	
67	70.3	55.4	83.2	
52	28.3	23.1	34.7	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 20.677 ug/l

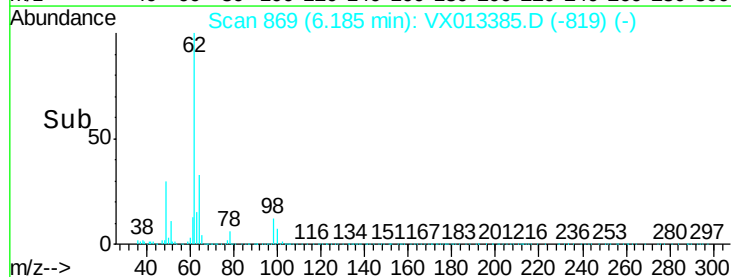
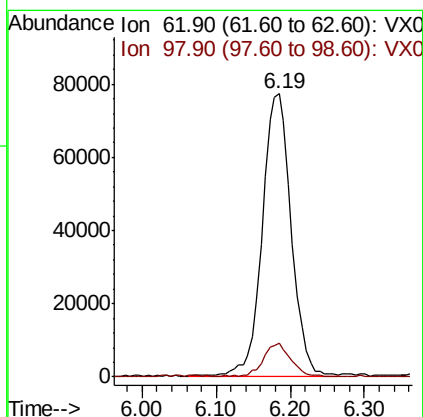
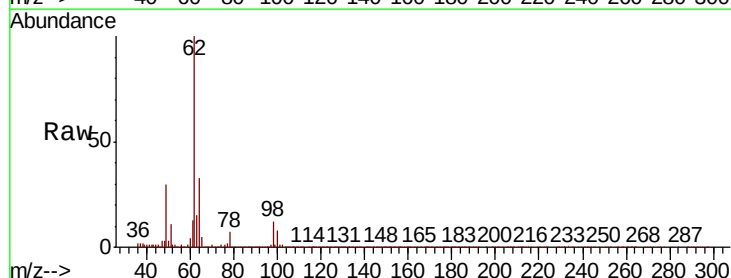
RT: 6.19 min Scan# 869

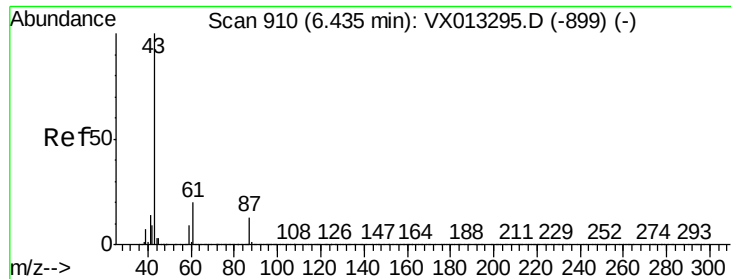
Delta R.T. 0.01 min

Lab File: VX013385.D

Acq: 12 Nov 2019 15:18

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.9	0.0	19.4	





#43

Isopropyl Acetate

Concen: 21.449 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX013385.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_X

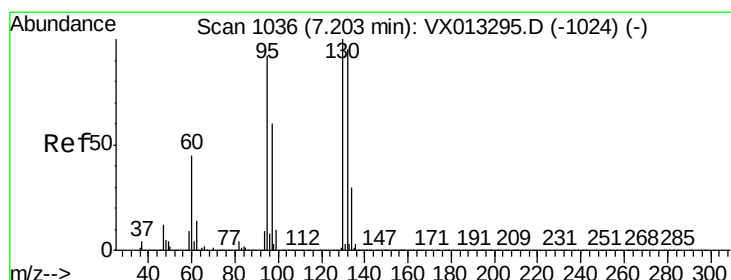
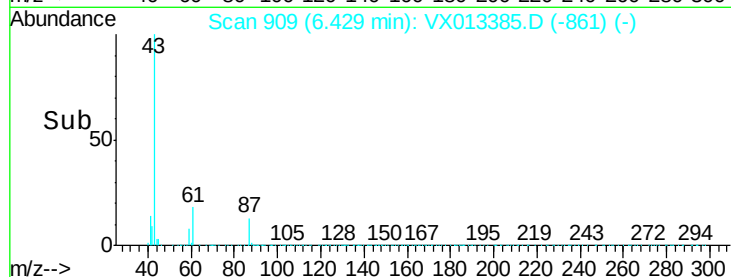
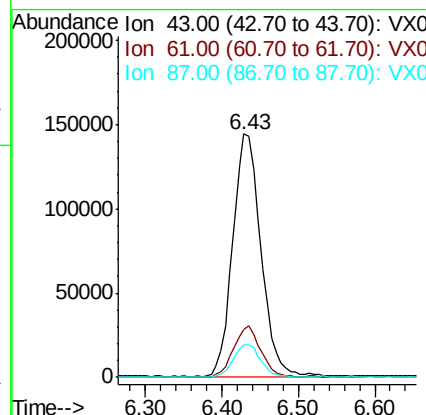
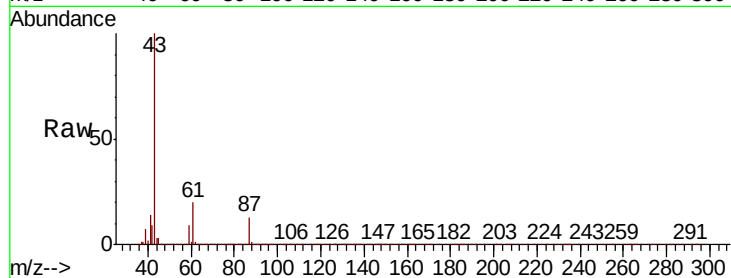
ClientSampleId :

VX1112WBS02

Tot Ion:	43	Resp:	370862
Ion	Ratio	Lower	Upper
43	100		
61	20.4	15.8	23.8
87	13.1	10.4	15.6

Manual Integrations
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11/13/2019 9:39:55 AM



#44

Trichloroethene

Concen: 20.883 ug/l

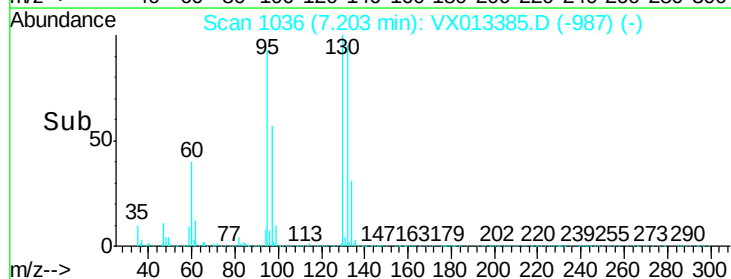
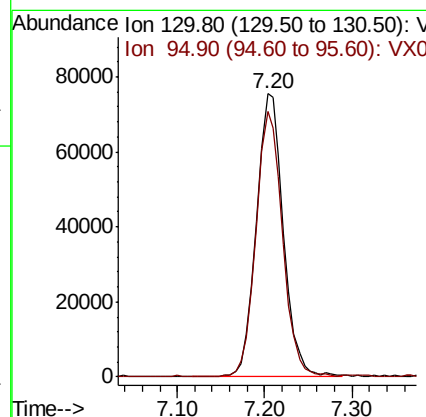
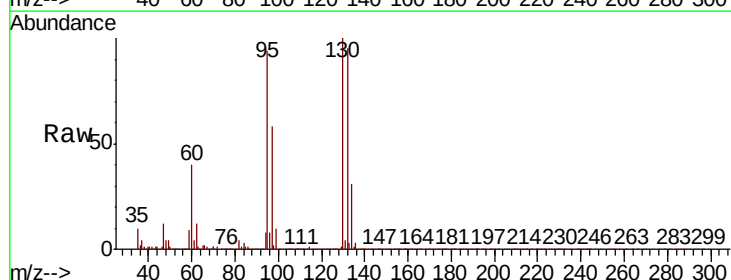
RT: 7.20 min Scan# 1036

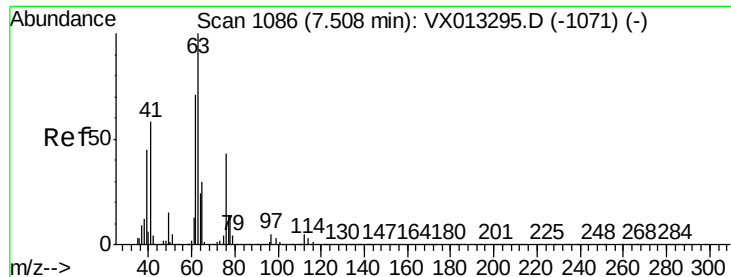
Delta R.T. 0.00 min

Lab File: VX013385.D

Acq: 12 Nov 2019 15:18

Tgt Ion:	130	Resp:	160905
Ion	Ratio	Lower	Upper
130	100		
95	93.5	0.0	184.8





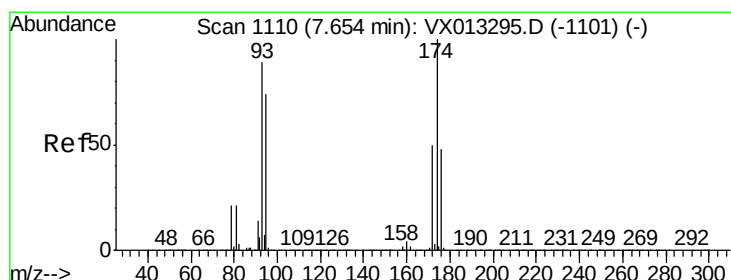
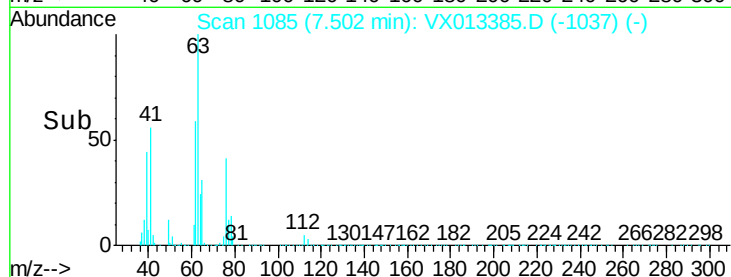
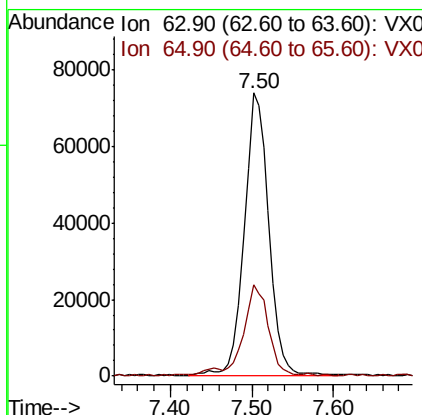
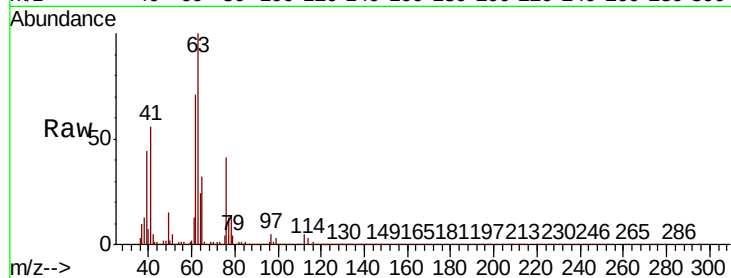
#45
 1,2-Dichloropropane
 Concen: 21.868 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX013385.D
 Acq: 12 Nov 2019 15:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112WBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	24.3	36.5

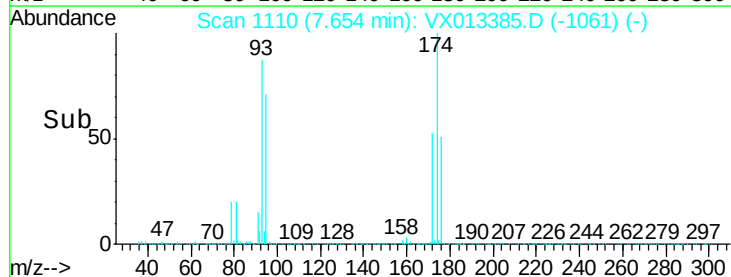
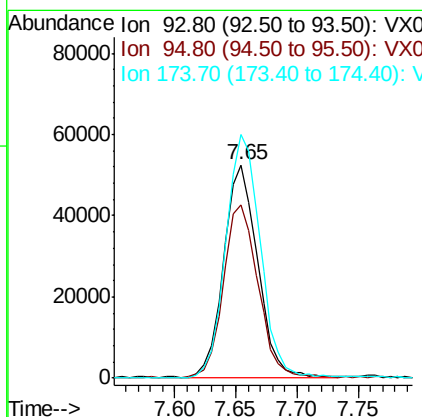
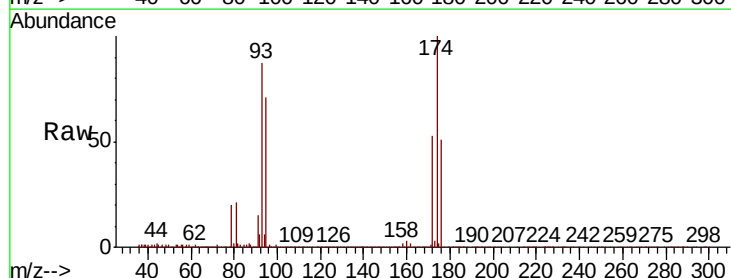
Manual Integrations
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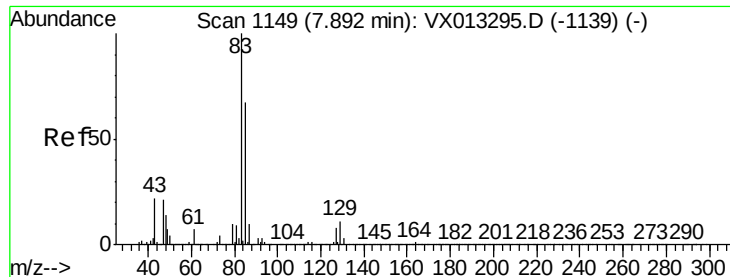
MMDadoda
 11/13/2019 9:39:55 AM



#46
 Dibromomethane
 Concen: 20.711 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX013385.D
 Acq: 12 Nov 2019 15:18

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.8	98.6
174	116.8	90.4	135.6





#47

Bromodichloromethane

Concen: 21.699 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX013385.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_X

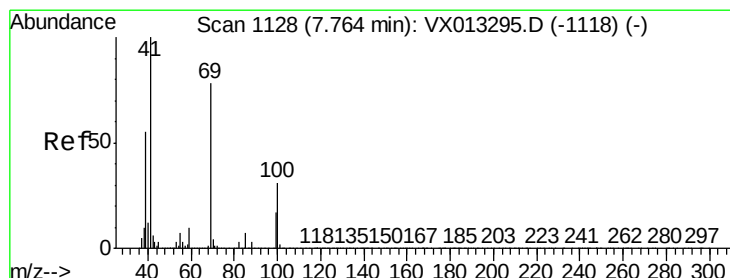
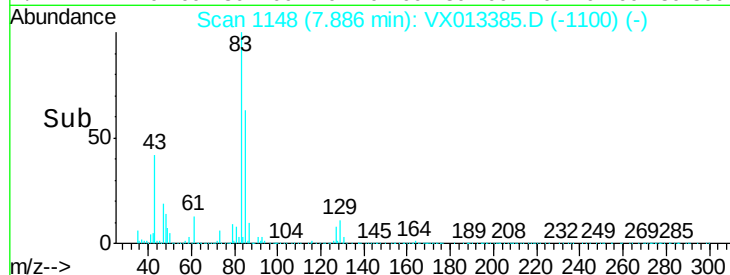
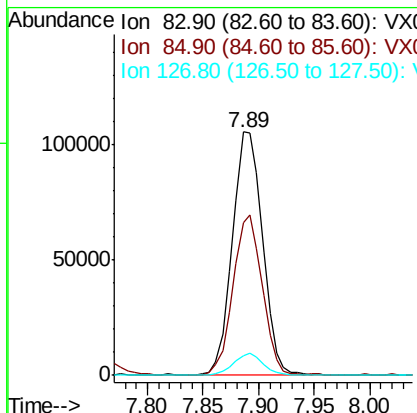
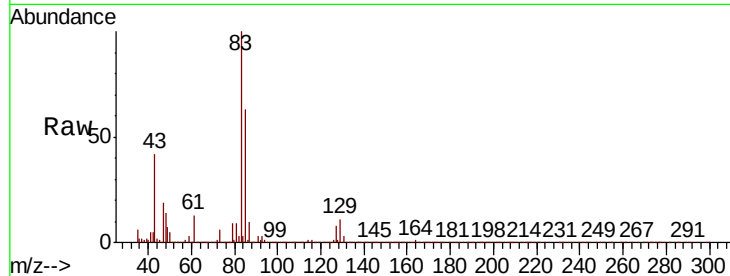
ClientSampleId :

VX1112WBS02

Tot Ion:	83	Resp:	199256
Ion Ratio	Lower	Upper	
83	100		
85	62.7	53.7	80.5
127	7.9	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.619 ug/l

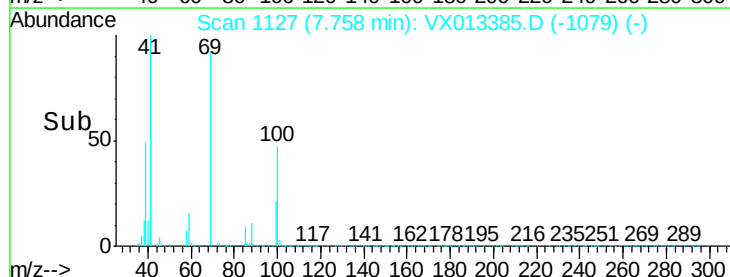
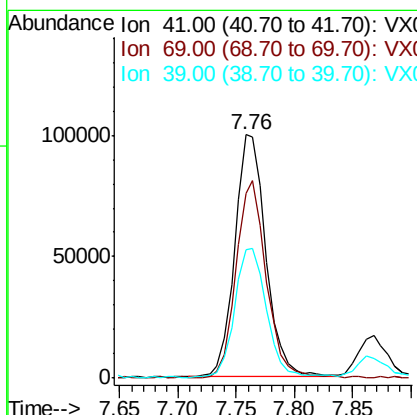
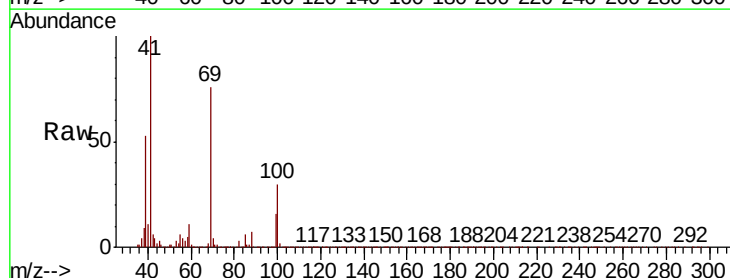
RT: 7.76 min Scan# 1127

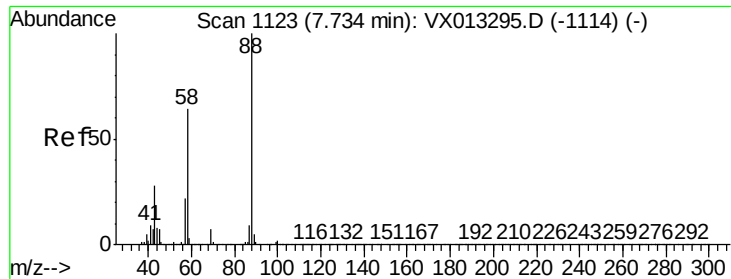
Delta R.T. -0.01 min

Lab File: VX013385.D

Acq: 12 Nov 2019 15:18

Tgt Ion:	41	Resp:	186593
Ion Ratio	Lower	Upper	
41	100		
69	78.5	63.0	94.6
39	54.6	45.9	68.9





#49

1,4-Dioxane

Concen: 414.901 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX013385.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_X

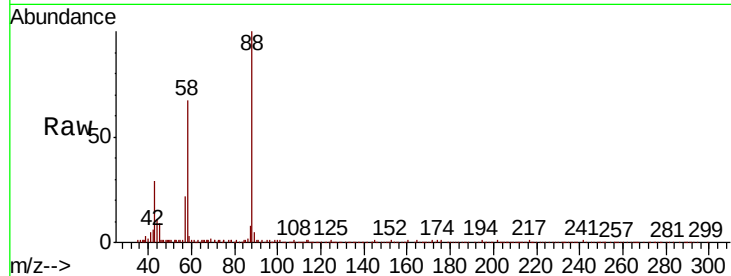
ClientSampleId :

VX1112WBS02

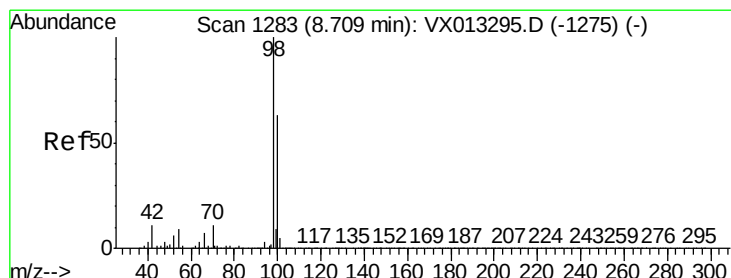
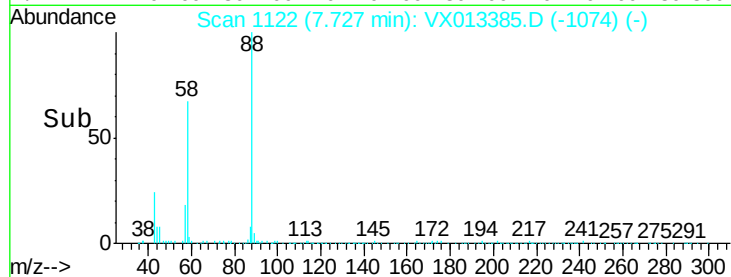
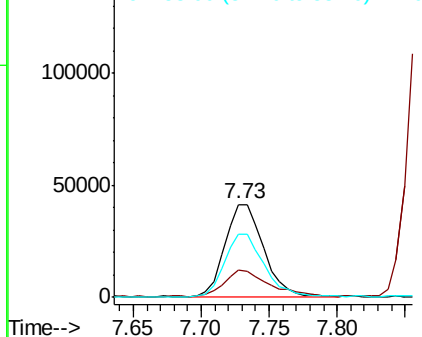
Tot Ion:	88	Resp:	82009
Ion Ratio	Lower	Upper	
88	100		
43	33.6	26.6	39.8
58	70.5	55.0	82.6

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Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 52.956 ug/l

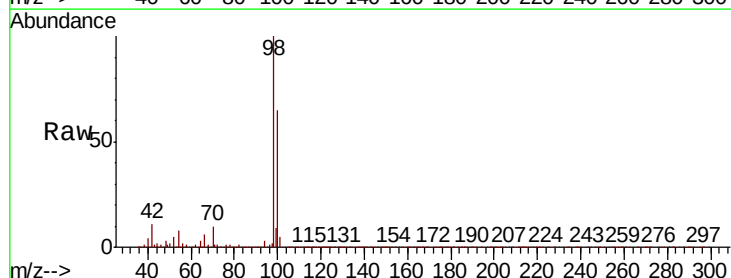
RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

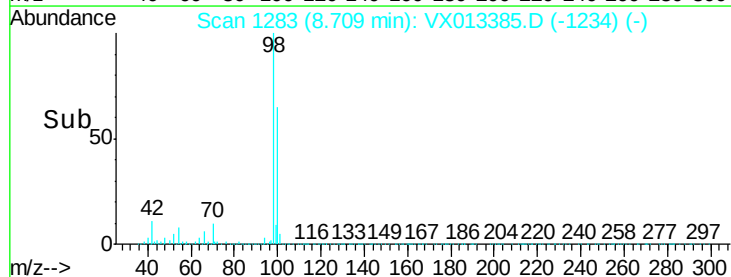
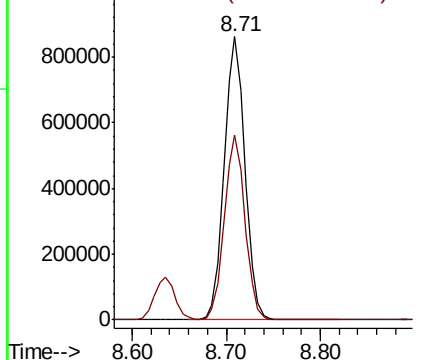
Lab File: VX013385.D

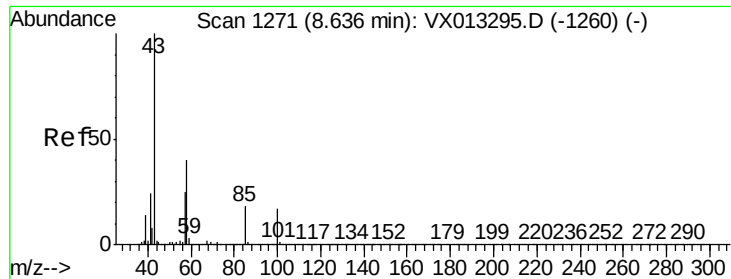
Acq: 12 Nov 2019 15:18

Tgt Ion:	98	Resp:	1311593
Ion Ratio	Lower	Upper	
98	100		
100	65.1	52.2	78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





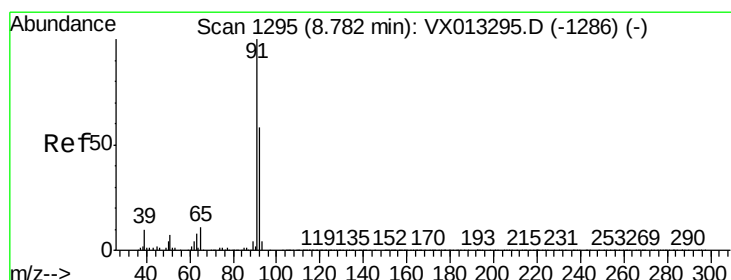
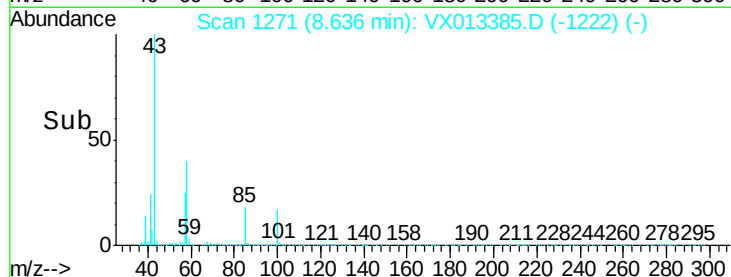
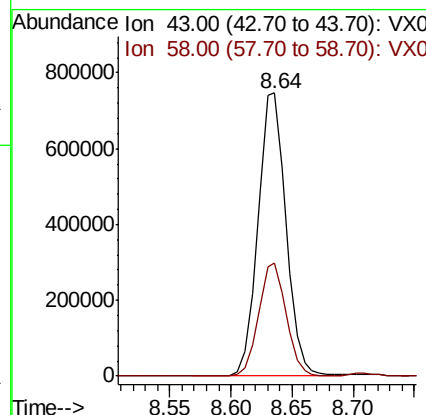
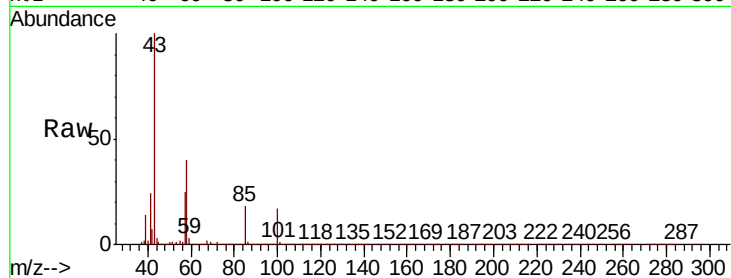
#51
4-Methyl-2-Pentanone
Concen: 105.624 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX013385.D
Acq: 12 Nov 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBS02

Tot Ion: 43 Resp: 1198201
Ion Ratio Lower Upper
43 100
58 39.3 31.4 47.0

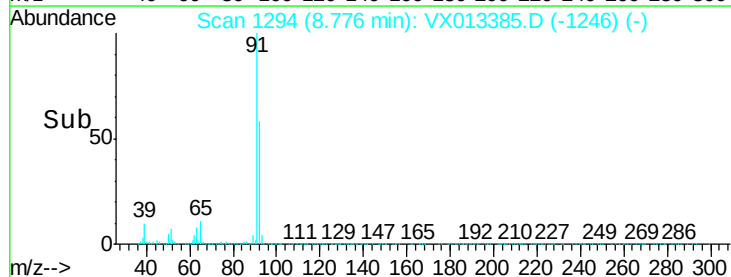
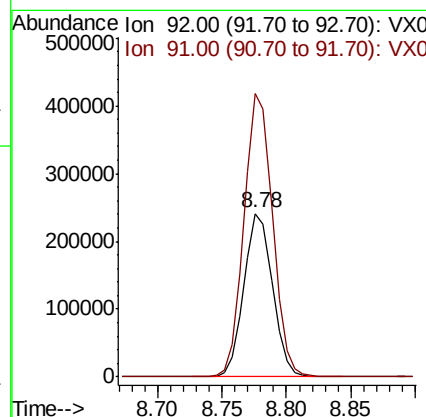
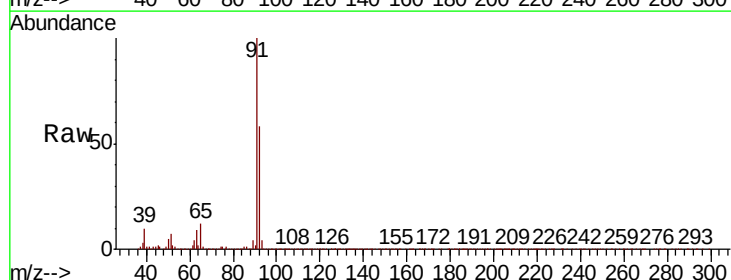
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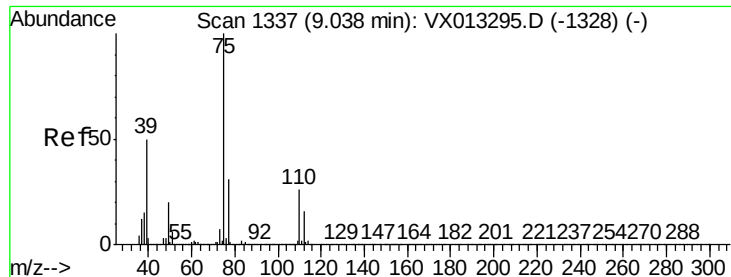
MMDadoda
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#52
Toluene
Concen: 21.338 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.01 min
Lab File: VX013385.D
Acq: 12 Nov 2019 15:18

Tgt Ion: 92 Resp: 370182
Ion Ratio Lower Upper
92 100
91 173.5 138.0 207.0





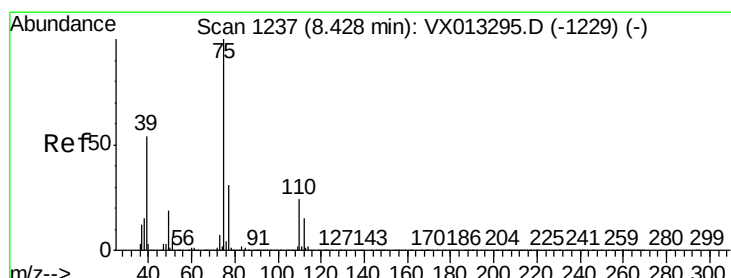
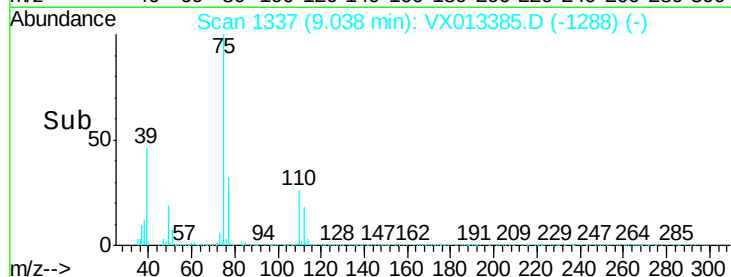
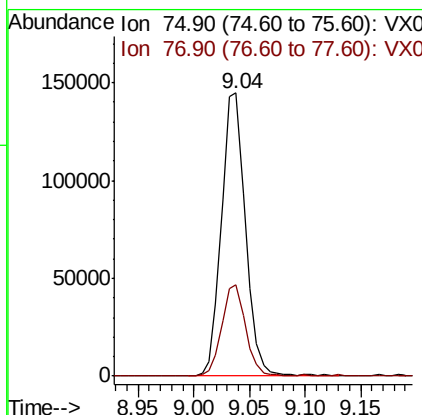
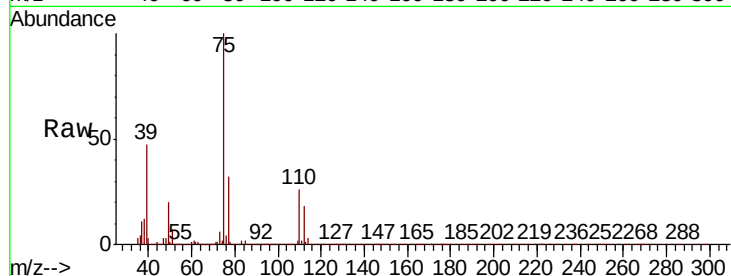
#53
t-1,3-Dichloropropene
Concen: 21.548 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX013385.D
Acq: 12 Nov 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBS02

Tot Ion: 75 Resp: 216360
Ion Ratio Lower Upper
75 100
77 32.3 25.0 37.4

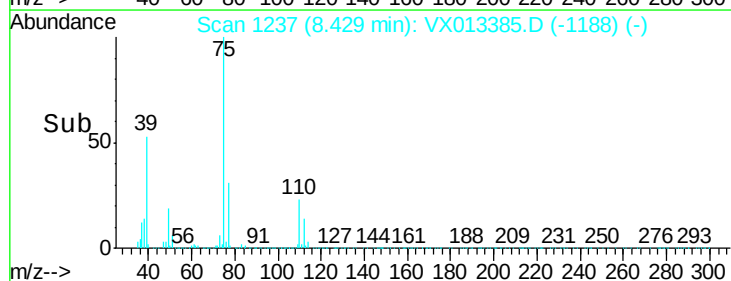
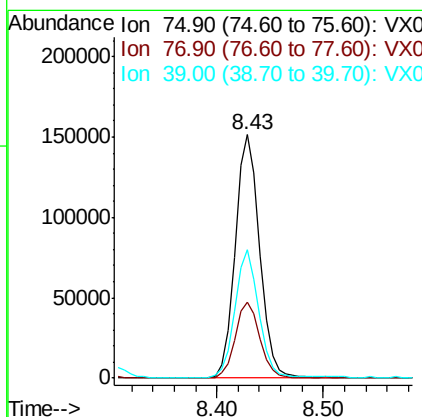
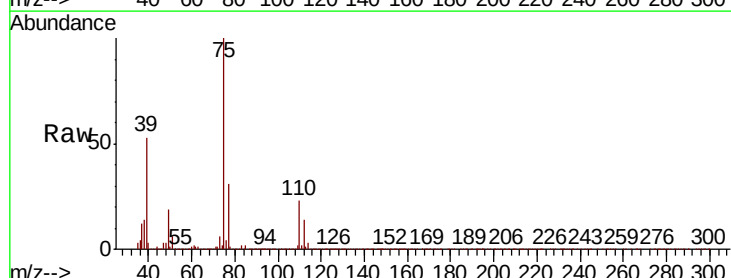
Manual Integrations
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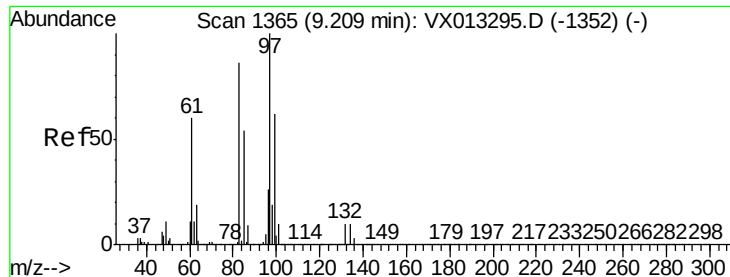
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#54
cis-1,3-Dichloropropene
Concen: 21.587 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX013385.D
Acq: 12 Nov 2019 15:18

Tgt Ion: 75 Resp: 242470
Ion Ratio Lower Upper
75 100
77 31.4 24.7 37.1
39 52.6 43.0 64.6





#55

1,1,2-Trichloroethane

Concen: 21.305 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VX013385.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_X

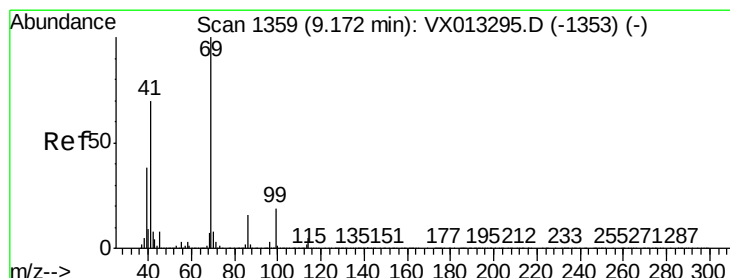
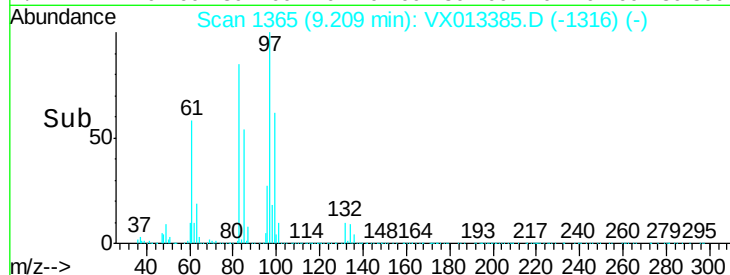
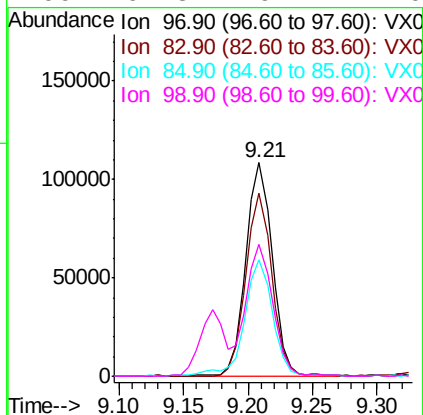
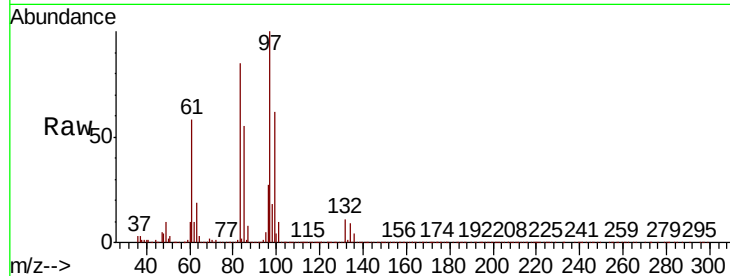
ClientSampleId :

VX1112WBS02

Tot Ion:	97	Resp:	153202
Ion Ratio	Lower	Upper	
97	100		
83	85.5	68.6	103.0
85	54.2	43.1	64.7
99	61.3	49.4	74.0

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#56

Ethyl methacrylate

Concen: 21.039 ug/l

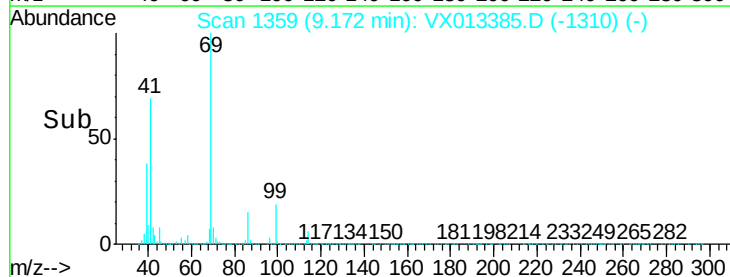
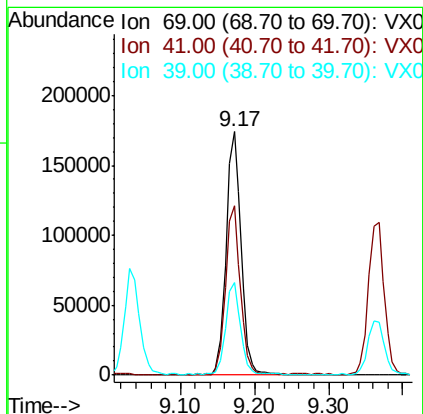
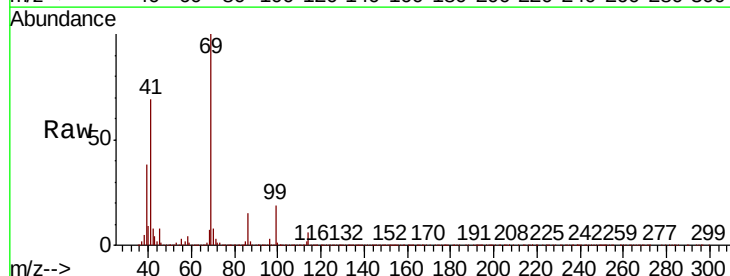
RT: 9.17 min Scan# 1359

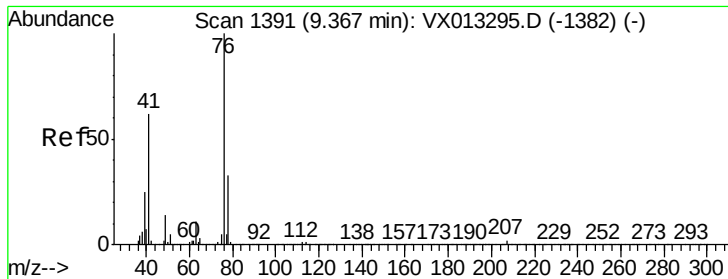
Delta R.T. 0.00 min

Lab File: VX013385.D

Acq: 12 Nov 2019 15:18

Tgt Ion:	69	Resp:	246812
Ion Ratio	Lower	Upper	
69	100		
41	67.4	56.2	84.2
39	37.2	31.1	46.7





#57

1,3-Dichloropropane

Concen: 21.506 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX013385.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBS02

Tot Ion: 76 Resp: 262513

Ion Ratio Lower Upper

76 100

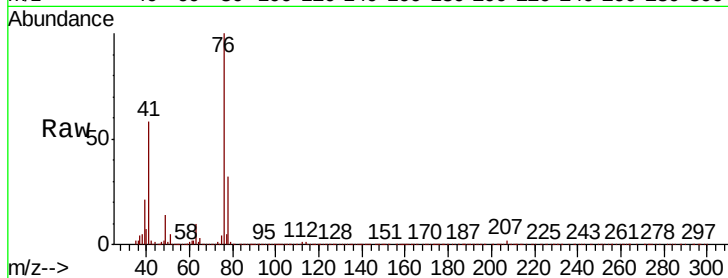
78 31.9 25.8 38.6

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

200000

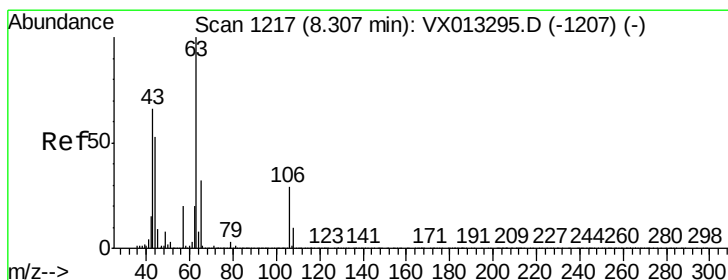
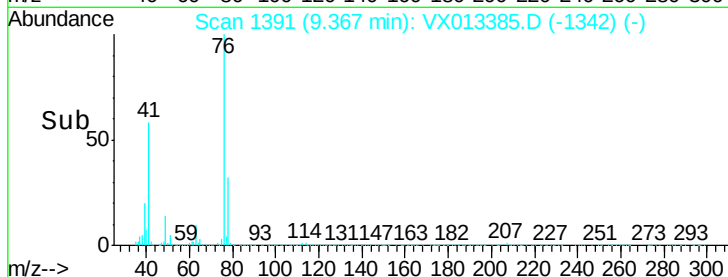
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 99.013 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX013385.D

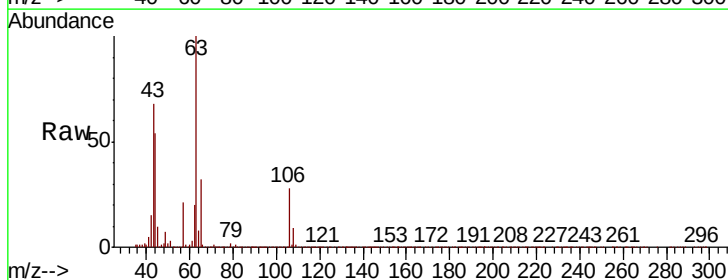
Acq: 12 Nov 2019 15:18

Tgt Ion: 63 Resp: 486825

Ion Ratio Lower Upper

63 100

106 28.9 23.4 35.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.30

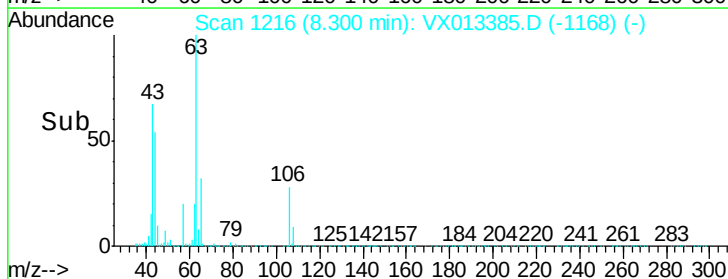
300000

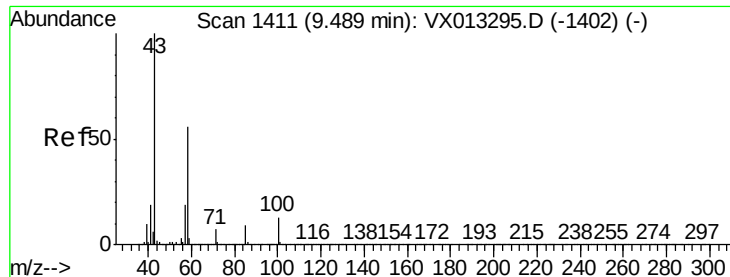
200000

100000

0

Time-->





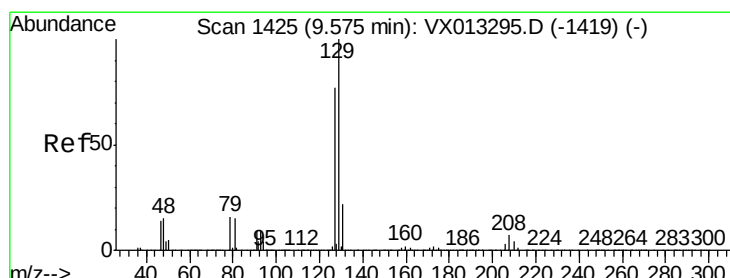
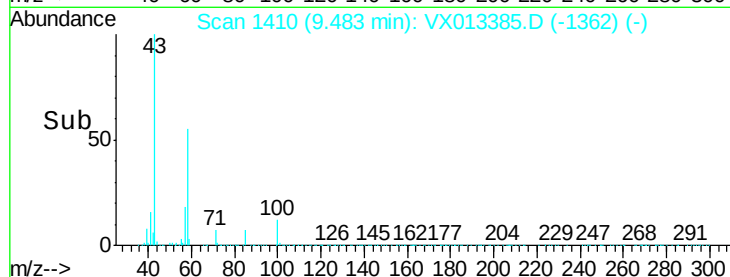
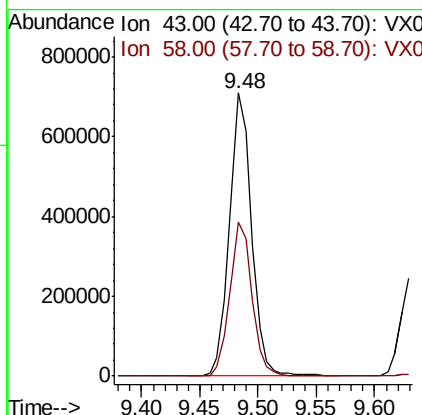
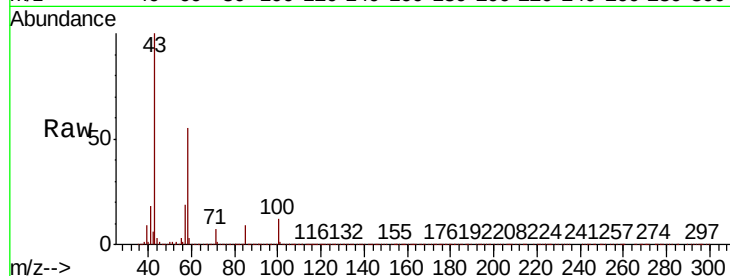
#59
2-Hexanone
Concen: 107.173 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX013385.D
Acq: 12 Nov 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.1	27.3	81.8

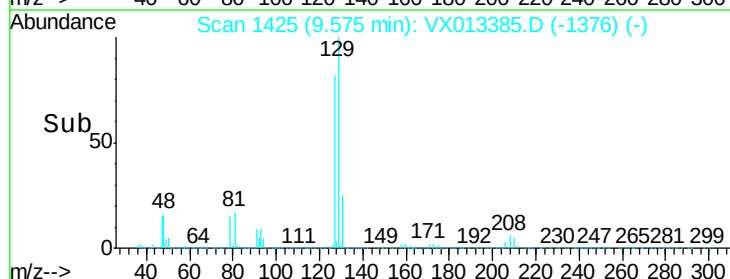
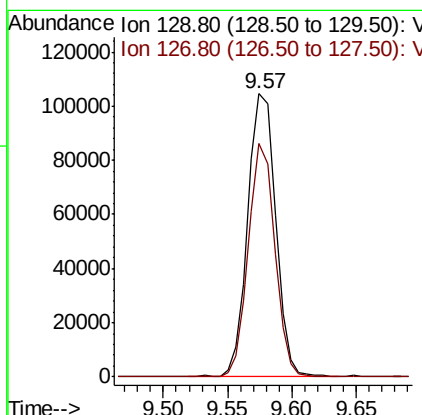
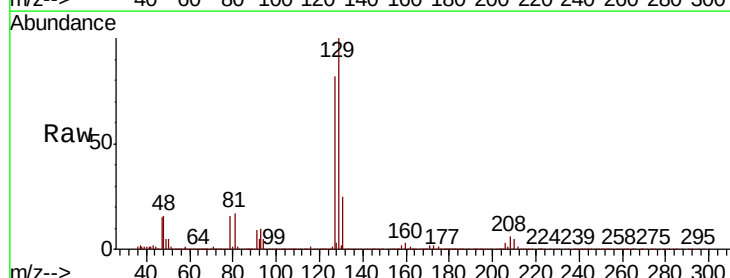
Manual Integrations
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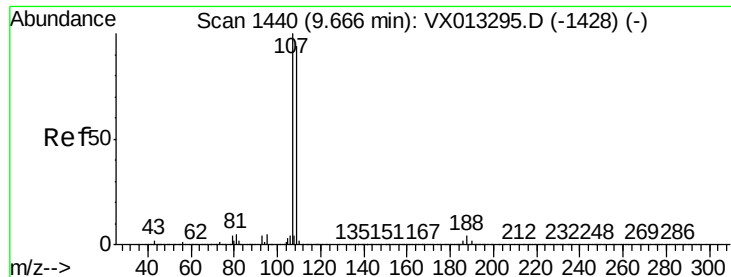
MMDadoda
11/13/2019 9:39:55 AM



#60
Dibromochloromethane
Concen: 21.248 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. 0.00 min
Lab File: VX013385.D
Acq: 12 Nov 2019 15:18

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.1	117.2





#61

1,2-Dibromoethane

Concen: 21.450 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX013385.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBS02

Tot Ion: 107 Resp: 163790

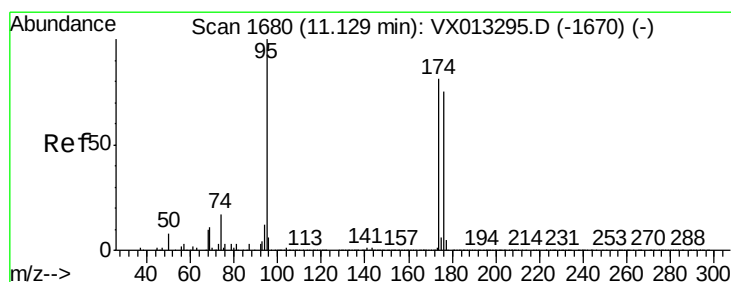
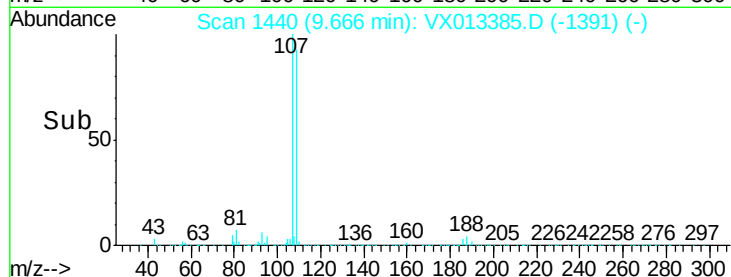
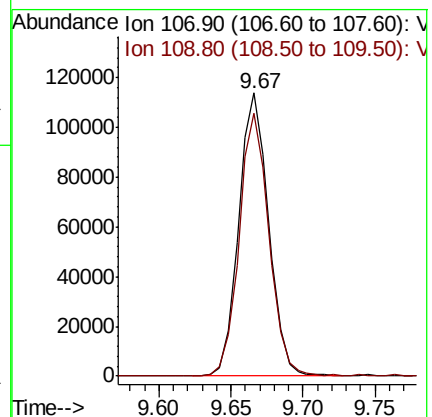
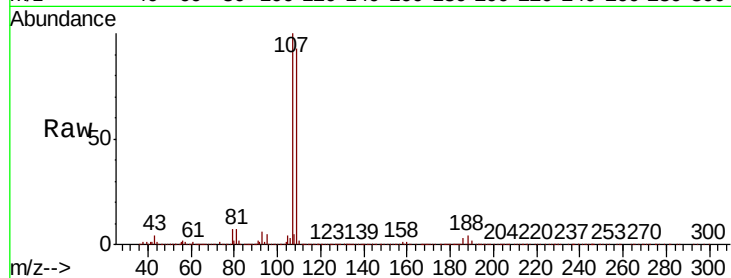
Ion Ratio Lower Upper

107 100

109 92.6 75.1 112.7

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 50.906 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX013385.D

Acq: 12 Nov 2019 15:18

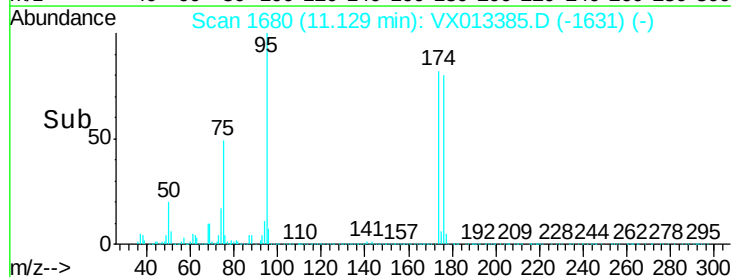
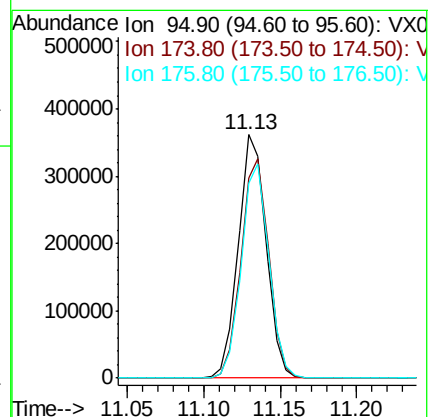
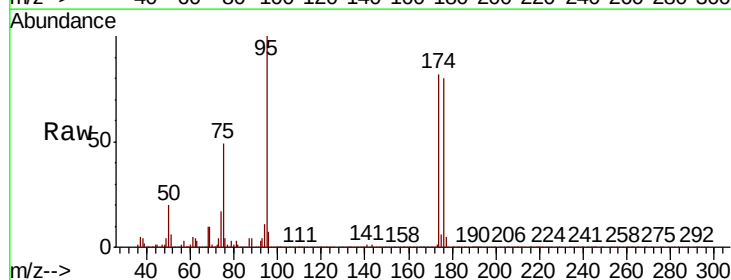
Tgt Ion: 95 Resp: 455041

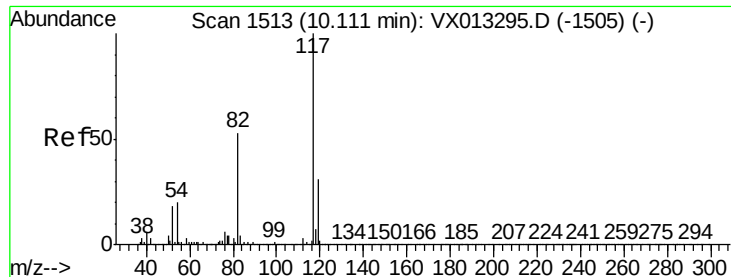
Ion Ratio Lower Upper

95 100

174 90.2 0.0 179.8

176 87.8 0.0 173.0





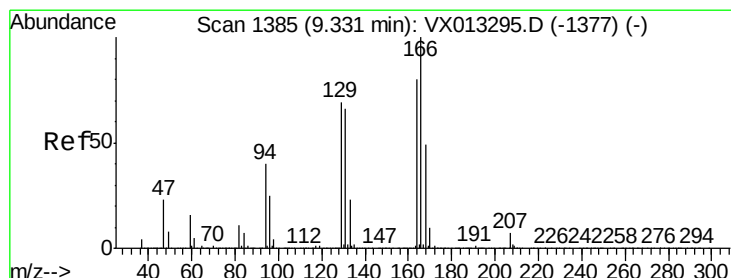
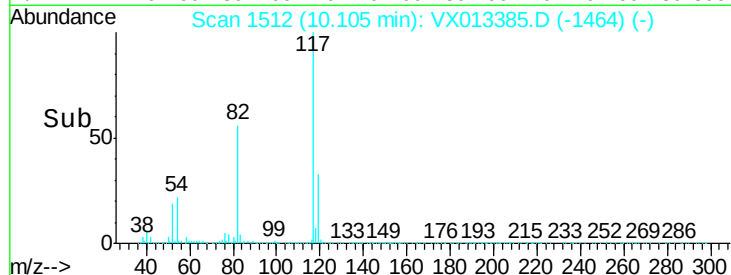
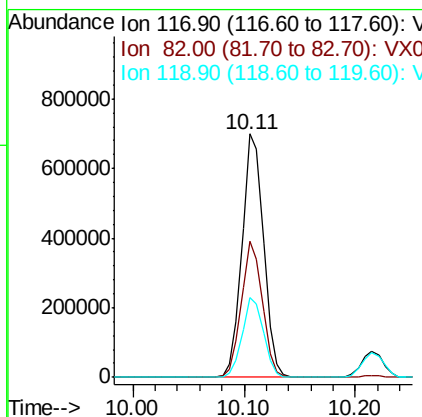
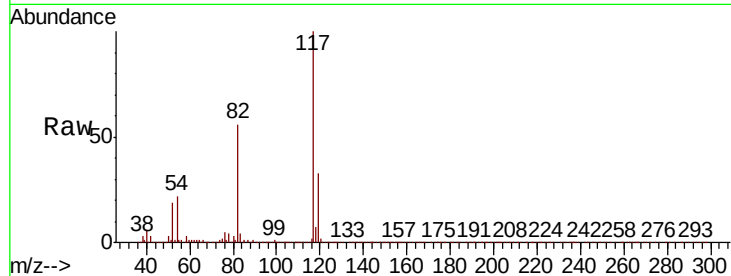
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013385.D
Acq: 12 Nov 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.8	42.6	64.0
119	32.6	24.8	37.2

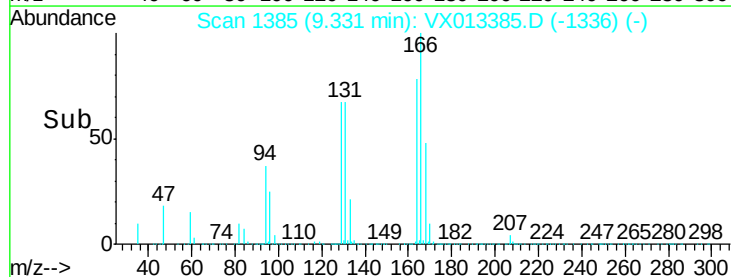
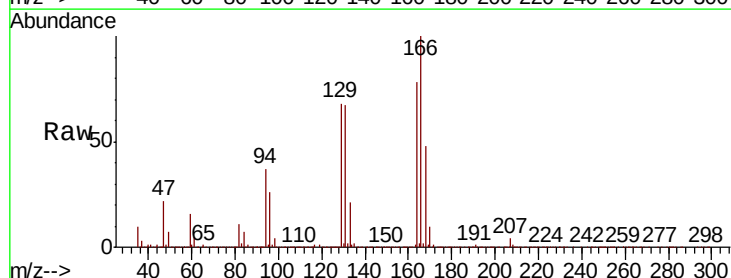
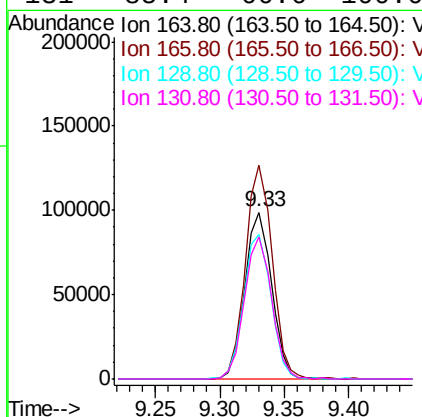
Manual Integrations
APPROVED

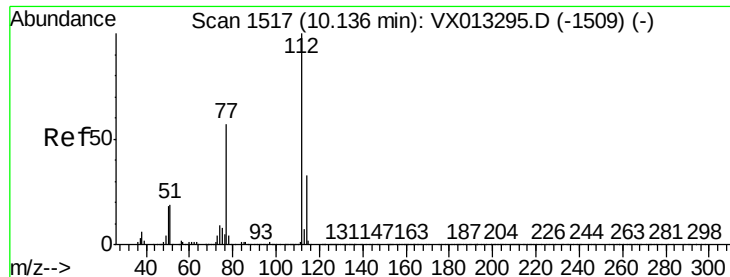
MMDadoda
11/13/2019 9:39:55 AM



#64
Tetrachloroethene
Concen: 21.170 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013385.D
Acq: 12 Nov 2019 15:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.0	100.4	150.6
129	86.4	69.4	104.2
131	85.4	66.6	100.0





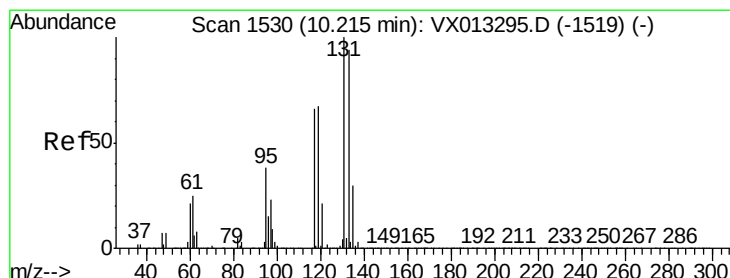
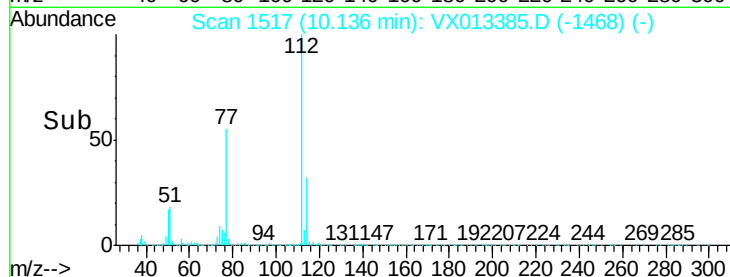
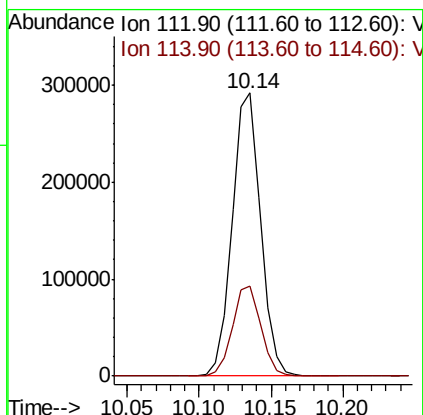
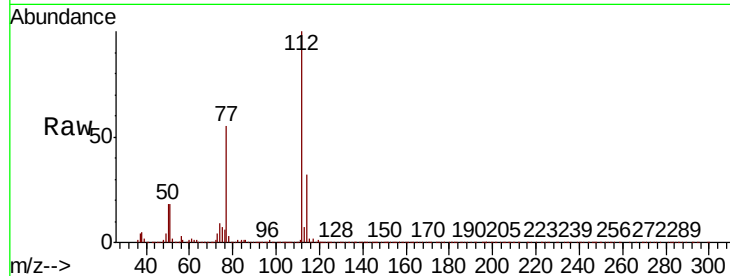
#65
Chlorobenzene
Concen: 21.188 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX013385.D
Acq: 12 Nov 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.4	39.6

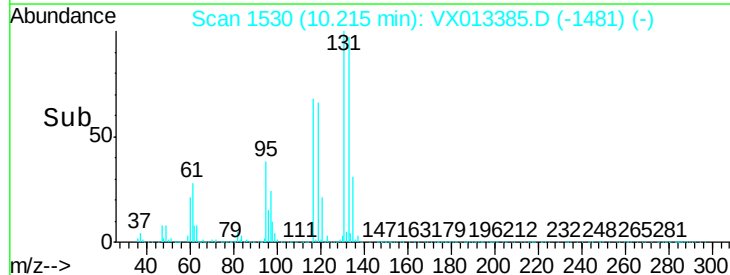
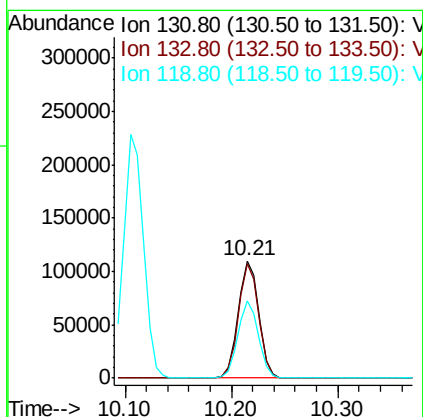
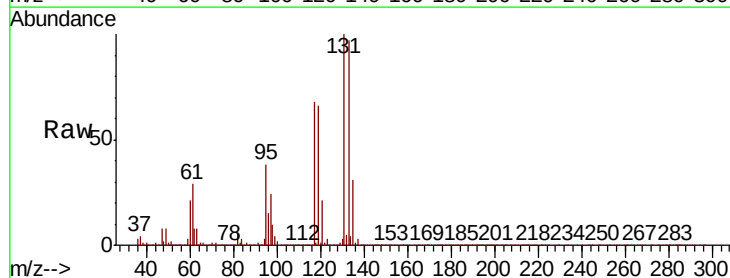
Manual Integrations
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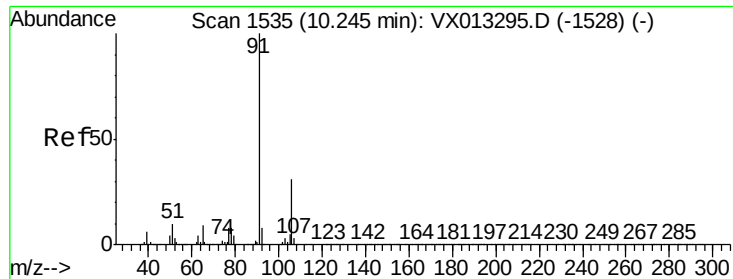
MMDadoda
11/13/2019 9:39:55 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.522 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX013385.D
Acq: 12 Nov 2019 15:18

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.3	48.0	144.0
119	64.5	33.0	99.0





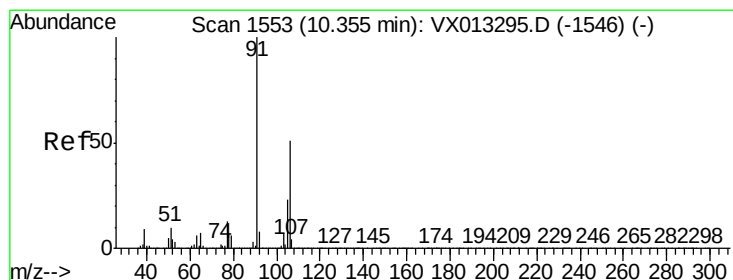
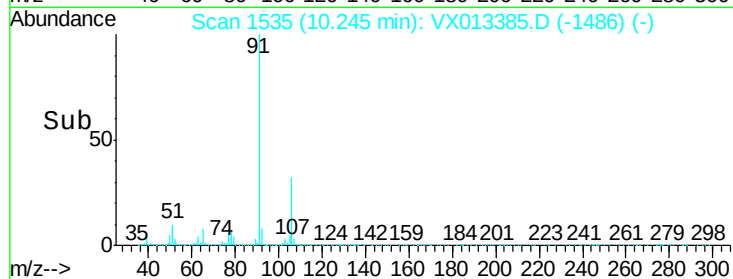
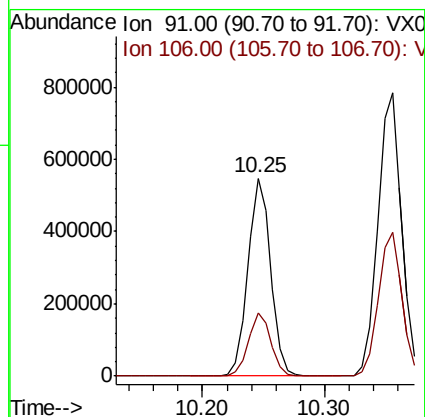
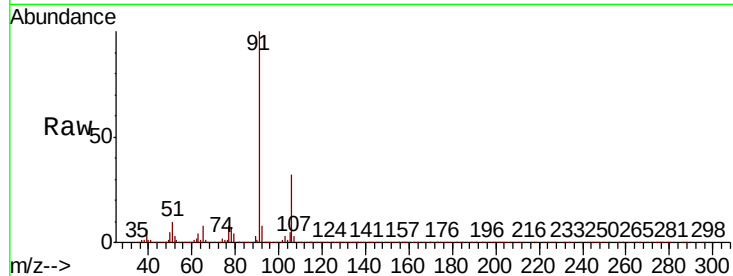
#67
Ethyl Benzene
Concen: 21.537 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX013385.D
Acq: 12 Nov 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBS02

Tot Ion: 91 Resp: 707585
Ion Ratio Lower Upper
91 100
106 31.7 24.6 36.8

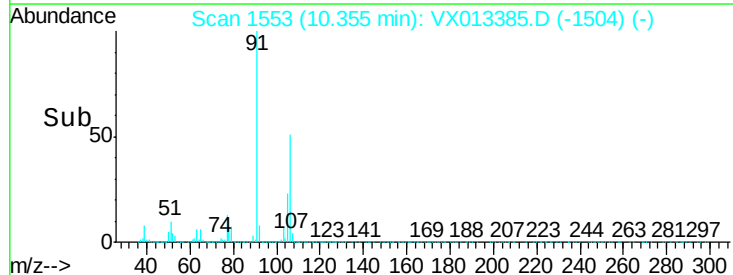
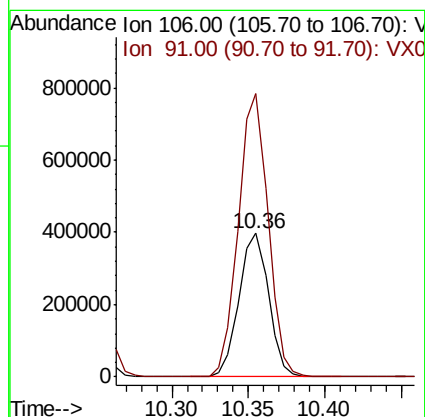
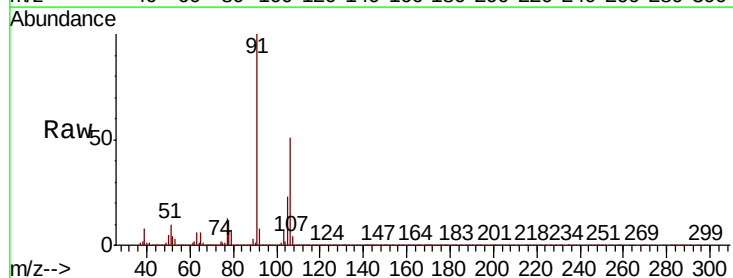
Manual Integrations
APPROVED

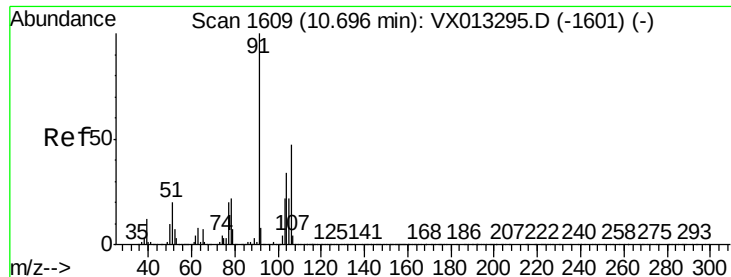
MMDadoda
11/13/2019 9:39:55 AM



#68
m/p-Xylenes
Concen: 42.986 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX013385.D
Acq: 12 Nov 2019 15:18

Tgt Ion: 106 Resp: 534126
Ion Ratio Lower Upper
106 100
91 197.7 159.3 238.9





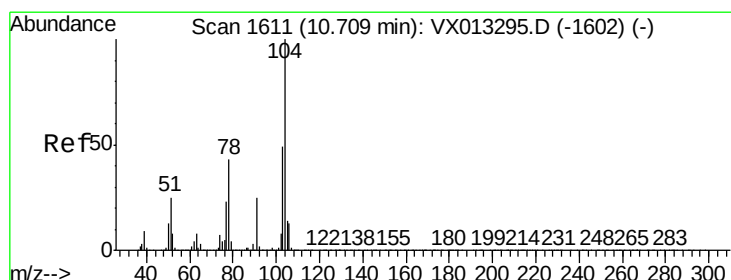
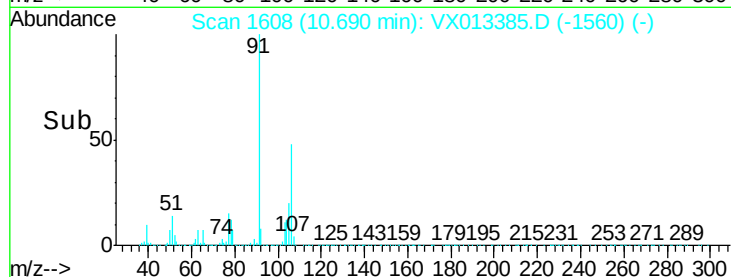
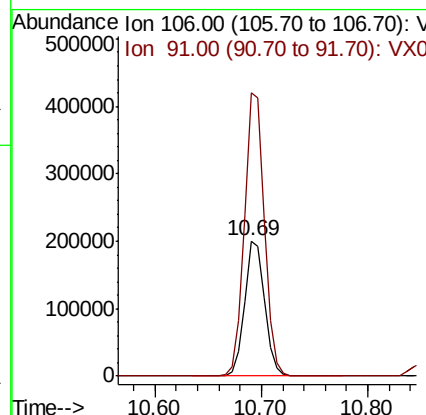
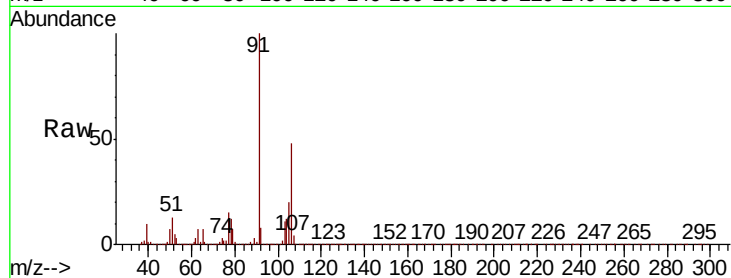
#69
o-Xylene
Concen: 21.784 ug/l
RT: 10.69 min Scan# 1608
Delta R.T. -0.01 min
Lab File: VX013385.D
Acq: 12 Nov 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBS02

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.9	105.7	317.0

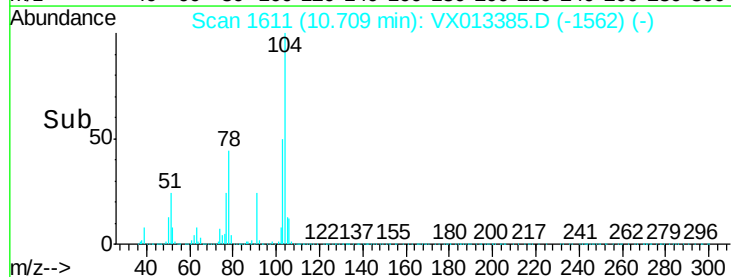
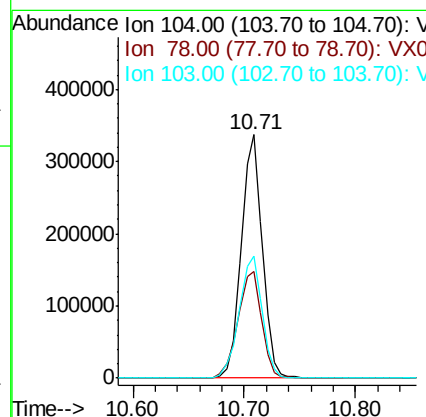
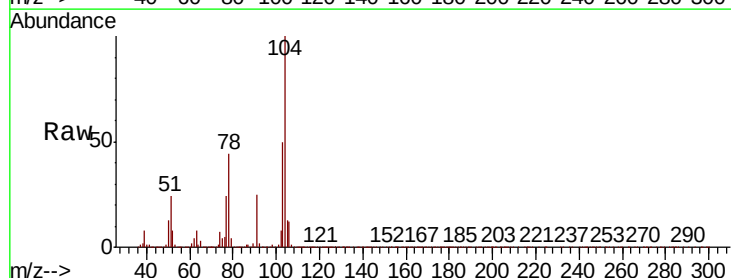
Manual Integrations
APPROVED

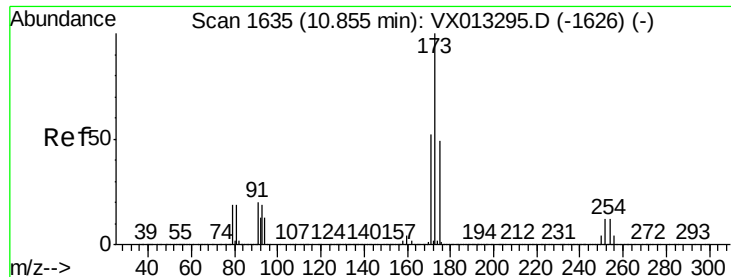
MMDadoda
11/13/2019 9:39:55 AM



#70
Styrene
Concen: 21.557 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX013385.D
Acq: 12 Nov 2019 15:18

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.0	40.0	60.0
103	55.3	44.1	66.1





#71

Bromoform

Concen: 20.474 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VX013385.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_X

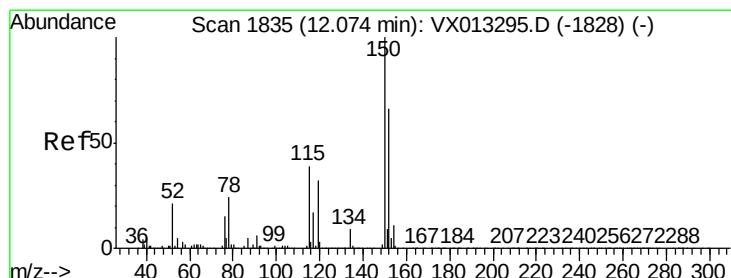
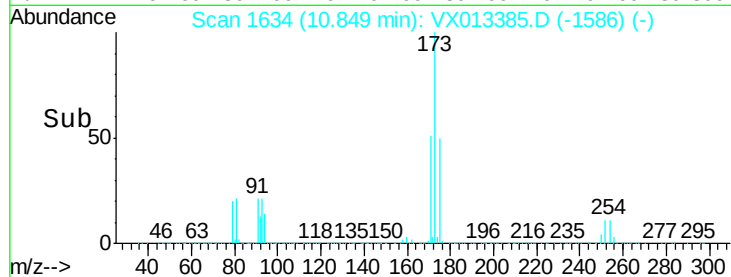
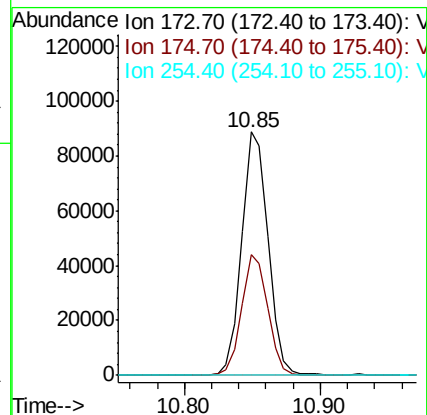
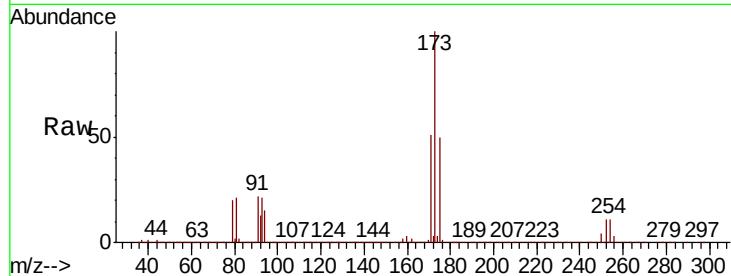
ClientSampleId :

VX1112WBS02

Tot Ion:	173	Resp:	119595
Ion Ratio	Lower	Upper	
173	100		
175	49.1	24.8	74.4
254	0.2	0.2	0.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

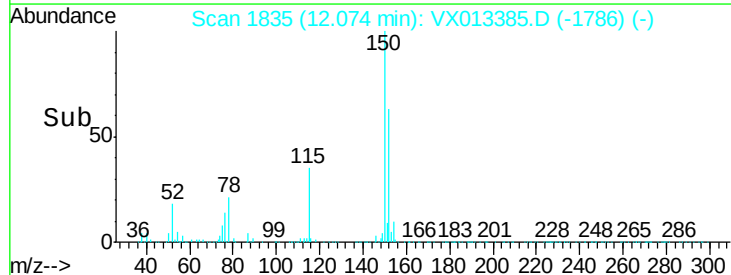
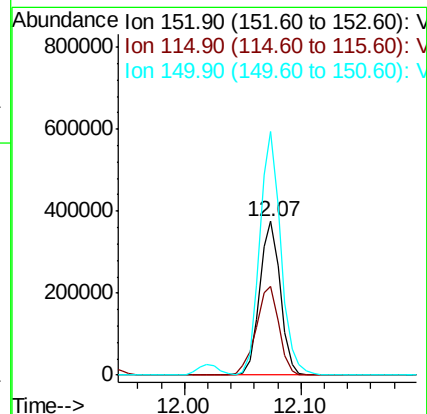
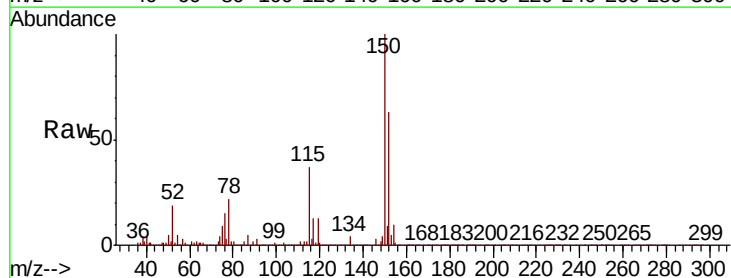
RT: 12.07 min Scan# 1835

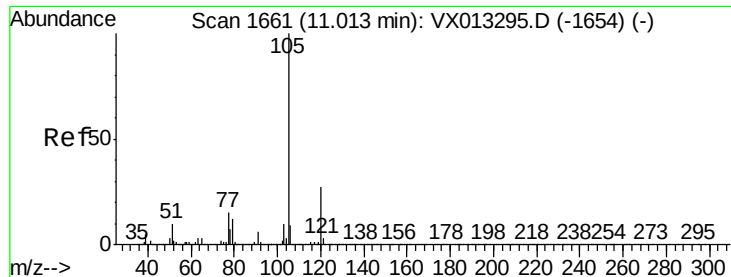
Delta R.T. 0.00 min

Lab File: VX013385.D

Acq: 12 Nov 2019 15:18

Tgt Ion:	152	Resp:	464629
Ion Ratio	Lower	Upper	
152	100		
115	64.1	39.5	118.3
150	161.7	0.0	344.4





#73

Isopropylbenzene

Concen: 22.508 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013385.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBS02

Tot Ion:105 Resp: 693369

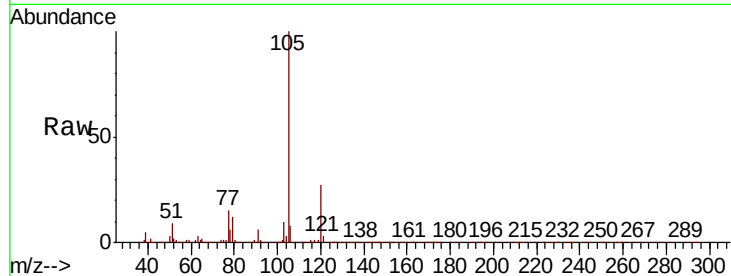
Ion Ratio Lower Upper

105 100

120 27.0 13.5 40.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

400000

200000

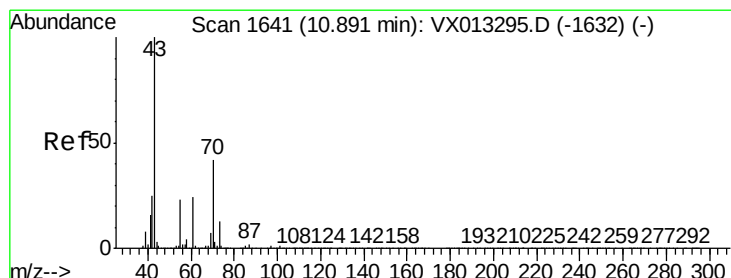
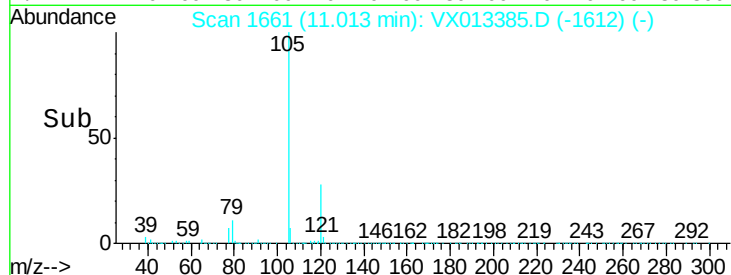
0

11.01

11.00

10.90

Time-->



#74

N-ethyl acetate

Concen: 22.281 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX013385.D

Acq: 12 Nov 2019 15:18

Tgt Ion: 43 Resp: 318285

Ion Ratio Lower Upper

43 100

70 43.9 34.1 51.1

55 24.4 18.9 28.3

61 24.7 19.2 28.8

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

400000

300000

200000

100000

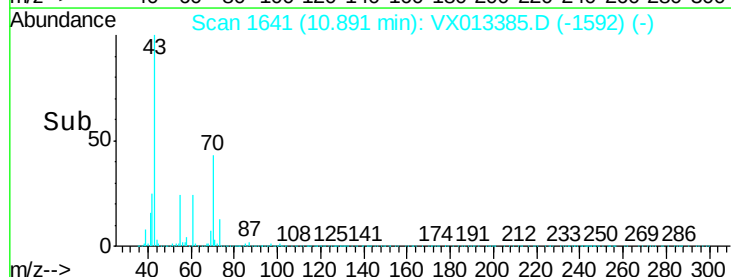
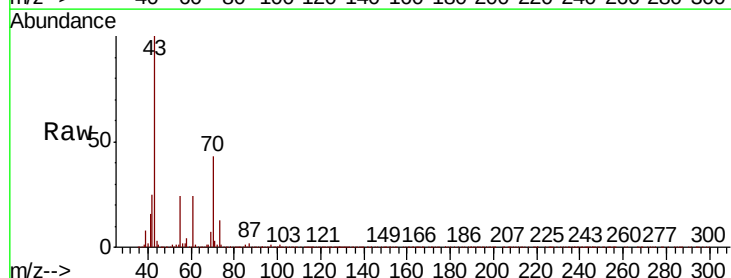
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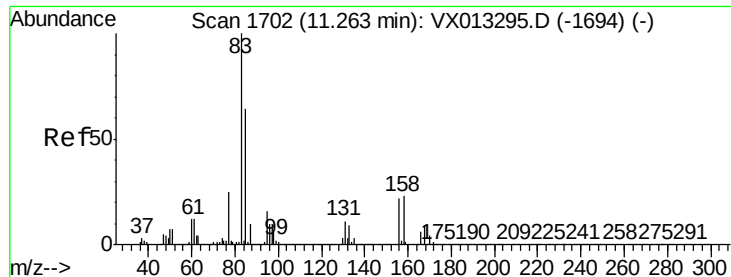
10.89

10.90

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.122 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX013385.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBS02

Tot Ion: 83 Resp: 248613

Ion Ratio Lower Upper

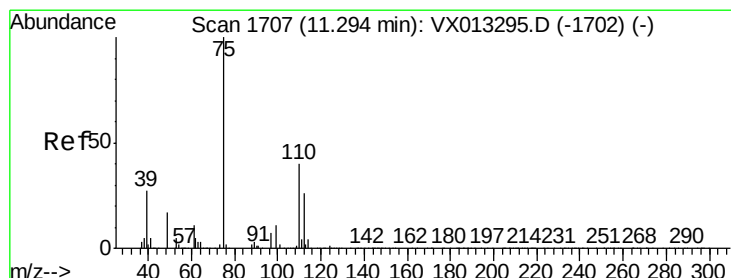
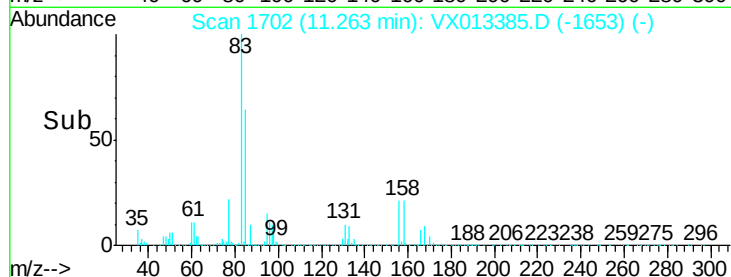
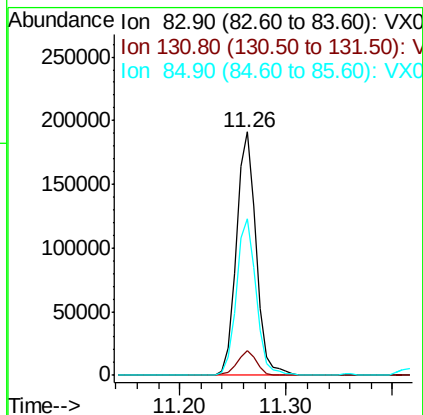
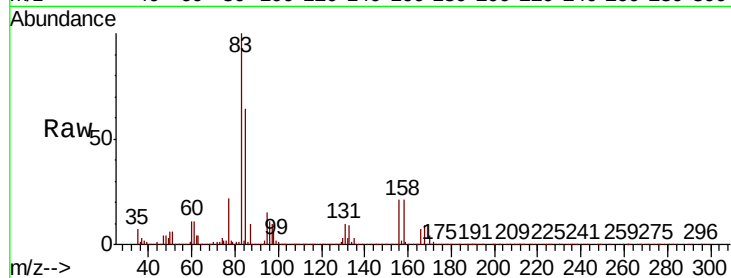
83 100

131 9.9 5.1 15.3

85 63.9 32.3 96.8

Manual Integrations
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11/13/2019 9:39:55 AM



#76

1,2,3-Trichloropropane

Concen: 21.054 ug/l m

RT: 11.29 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX013385.D

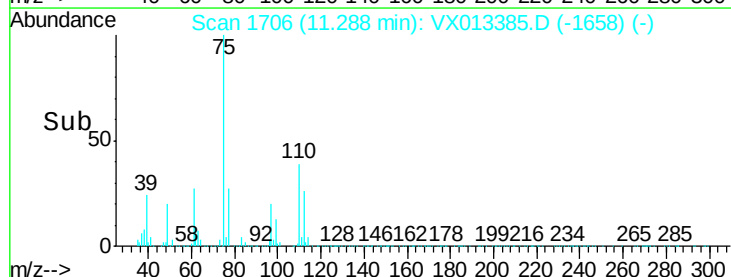
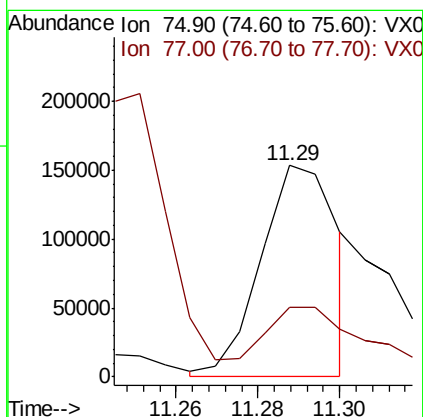
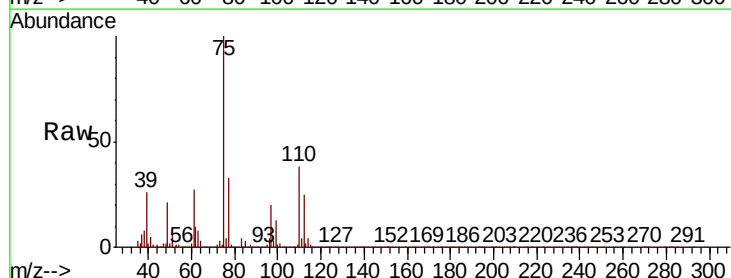
Acq: 12 Nov 2019 15:18

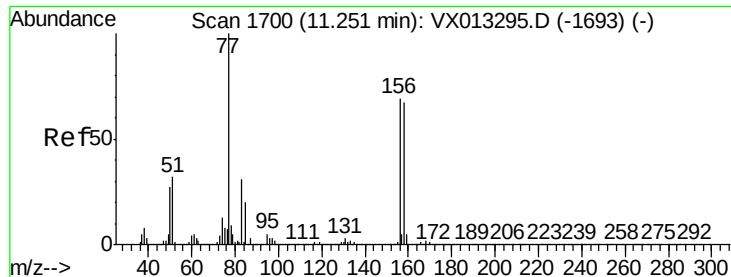
Tgt Ion: 75 Resp: 198694

Ion Ratio Lower Upper

75 100

77 45.8 22.3 66.8





#77

Bromobenzene

Concen: 21.861 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX013385.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_X

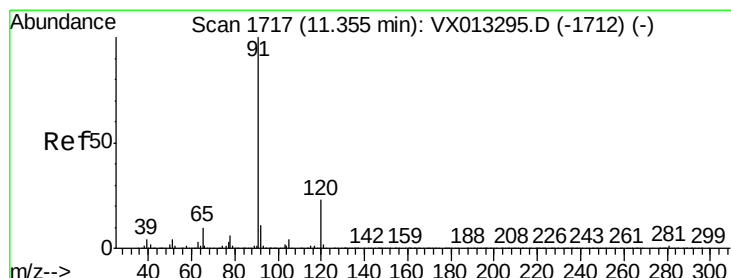
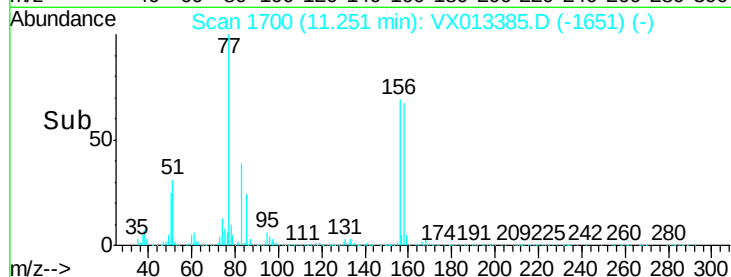
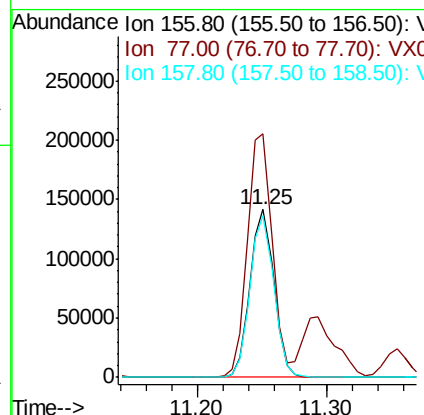
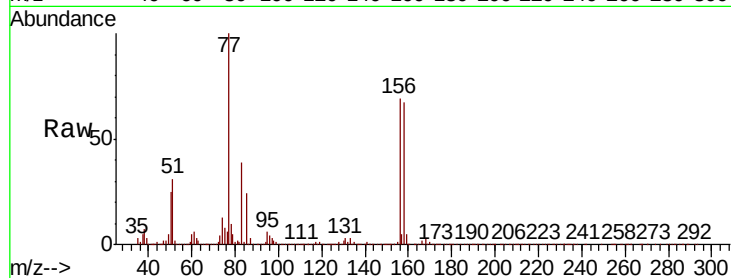
ClientSampleId :

VX1112WBS02

Tot Ion:	156	Resp:	179533
Ion Ratio	Lower	Upper	
156	100		
77	150.9	75.8	227.4
158	97.5	47.6	142.8

Manual Integrations
APPROVED

MMDadoda
11/13/2019 9:39:55 AM



#78

n-propylbenzene

Concen: 22.483 ug/l

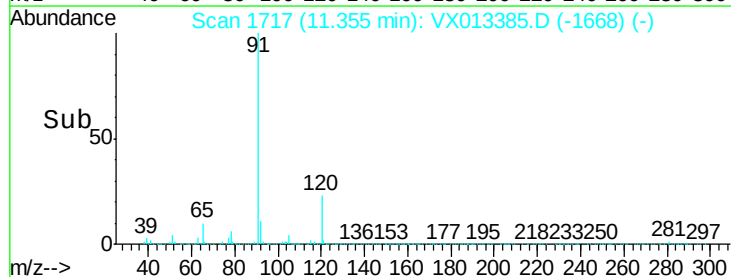
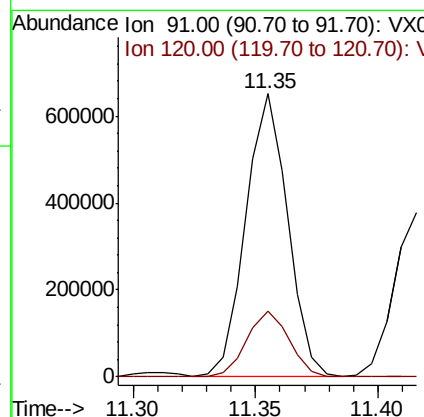
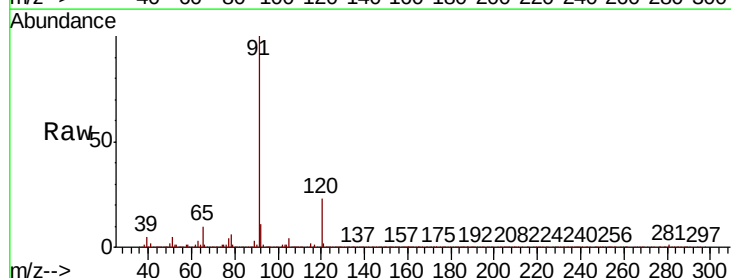
RT: 11.35 min Scan# 1717

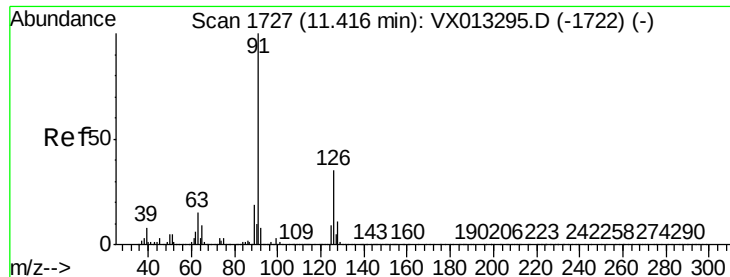
Delta R.T. 0.00 min

Lab File: VX013385.D

Acq: 12 Nov 2019 15:18

Tgt Ion:	91	Resp:	771503
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.6	34.8





#79

2-Chlorotoluene

Concen: 22.378 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX013385.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBS02

Tot Ion: 91 Resp: 462666

Ion Ratio Lower Upper

91 100

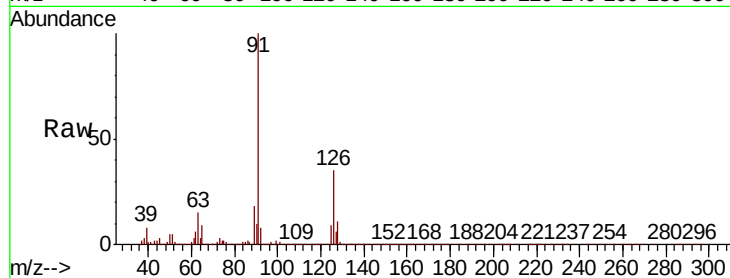
126 34.8 17.3 52.0

Manual Integrations

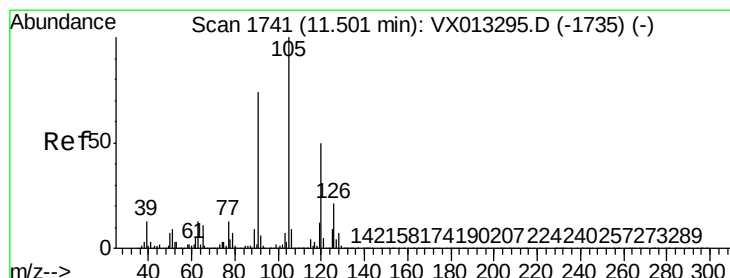
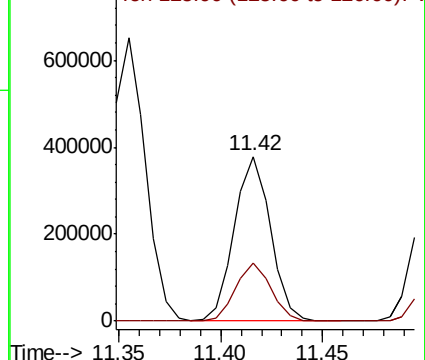
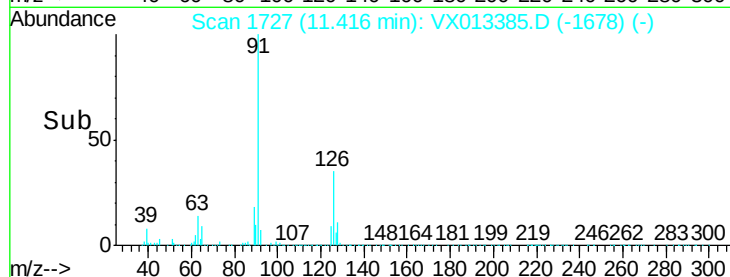
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Abundance Ion 91.00 (90.70 to 91.70): VX013385.D (-1678) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.728 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX013385.D

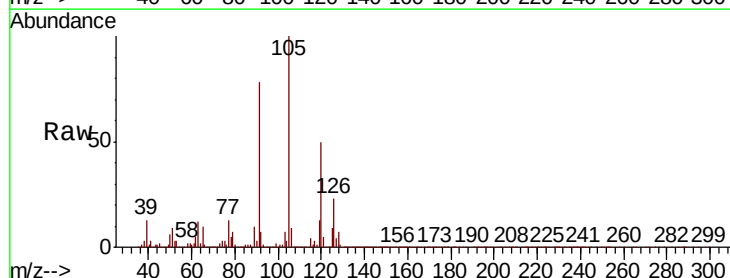
Acq: 12 Nov 2019 15:18

Tgt Ion: 105 Resp: 583180

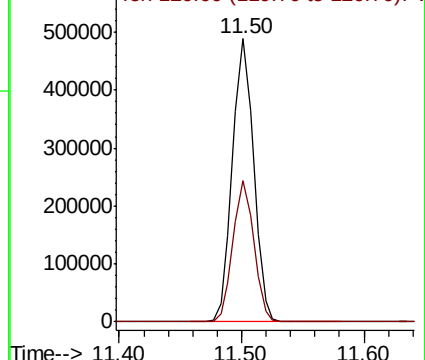
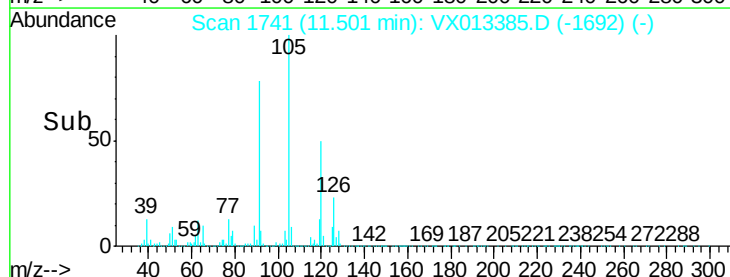
Ion Ratio Lower Upper

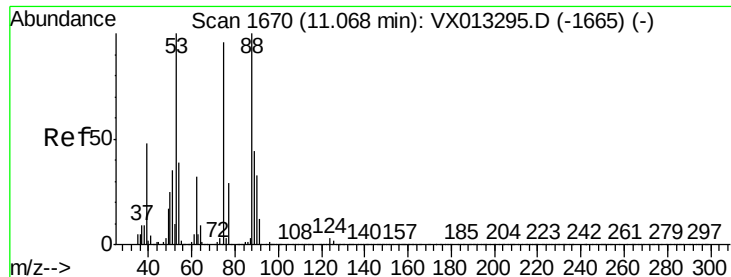
105 100

120 49.2 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): VX013385.D (-1692) (-)





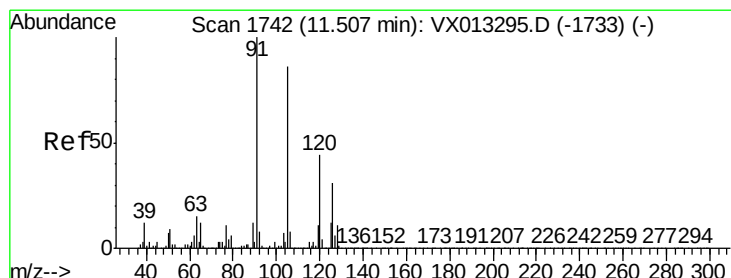
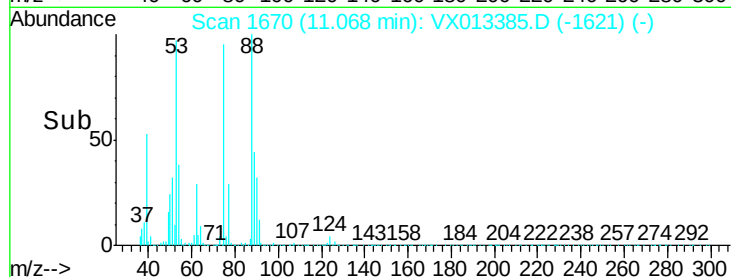
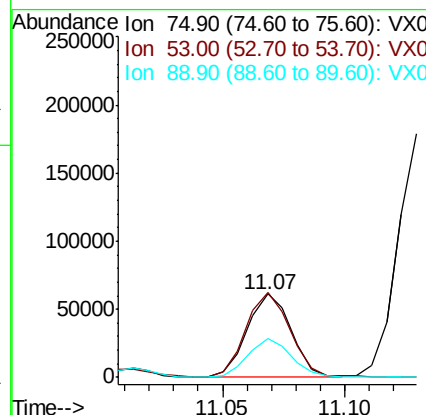
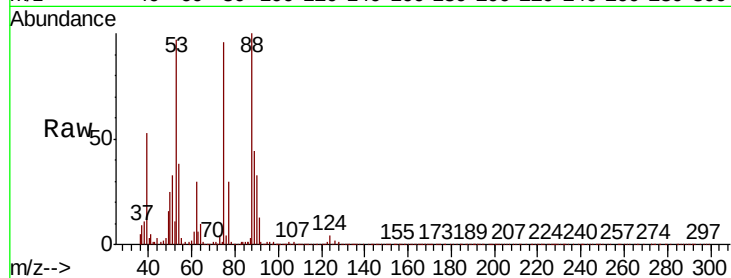
#81
trans-1,4-Dichloro-2-butene
Concen: 20.683 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX013385.D
Acq: 12 Nov 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.7	81.0	121.6
89	46.6	36.0	54.0

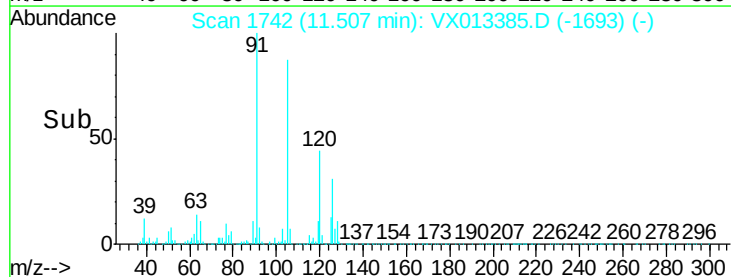
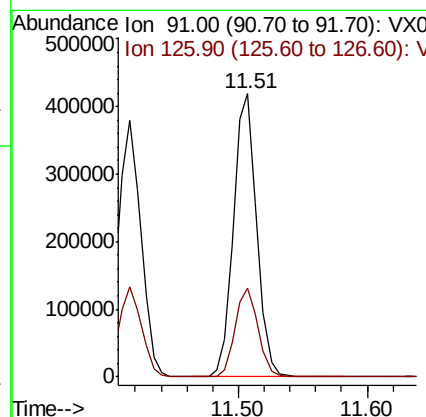
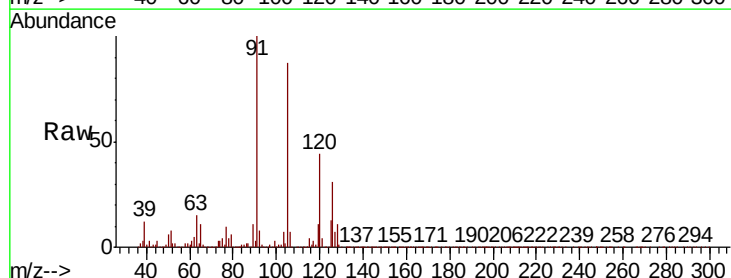
Manual Integrations
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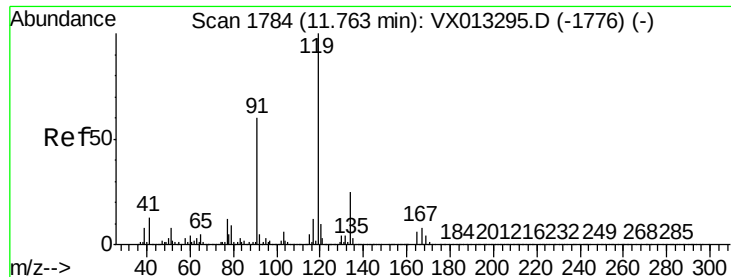
MMDadoda
11/13/2019 9:39:55 AM



#82
4-Chlorotoluene
Concen: 21.832 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX013385.D
Acq: 12 Nov 2019 15:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.3	45.8





#83

tert-Butylbenzene

Concen: 22.859 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX013385.D

Acq: 12 Nov 2019 15:18

Instrument :

MSVOA_X

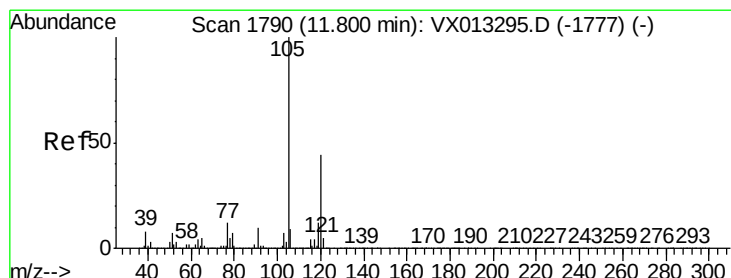
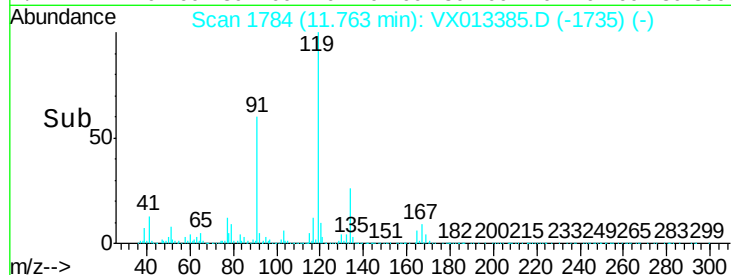
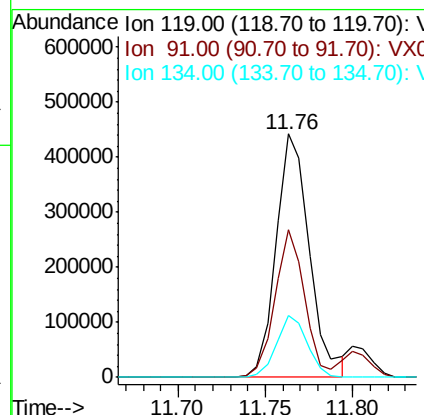
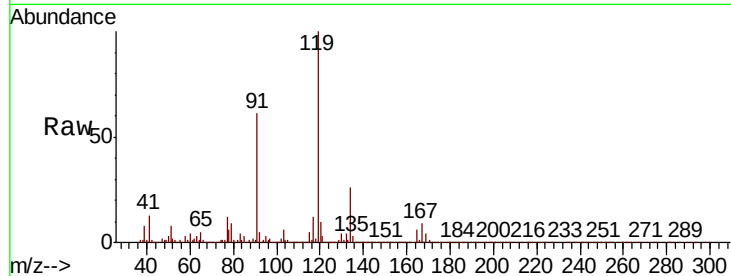
ClientSampleId :

VX1112WBS02

Tot Ion:	119	Resp:	590458
Ion Ratio	Lower	Upper	
119	100		
91	54.0	26.9	80.7
134	23.7	11.7	35.1

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 22.474 ug/l

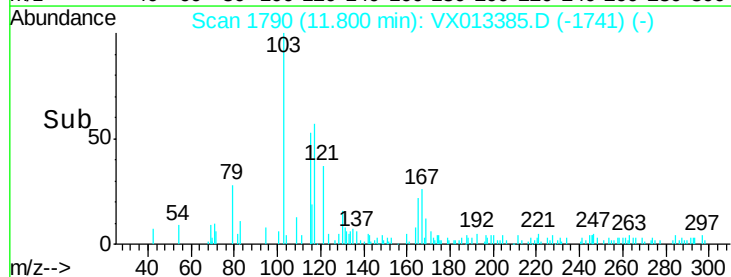
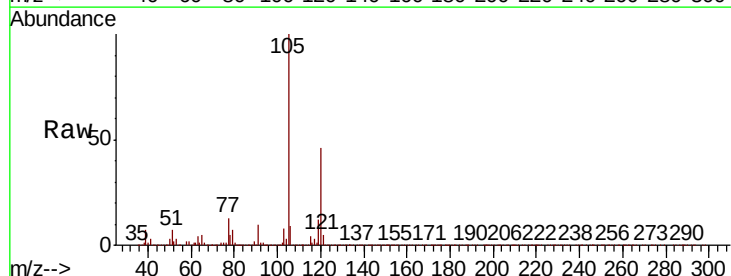
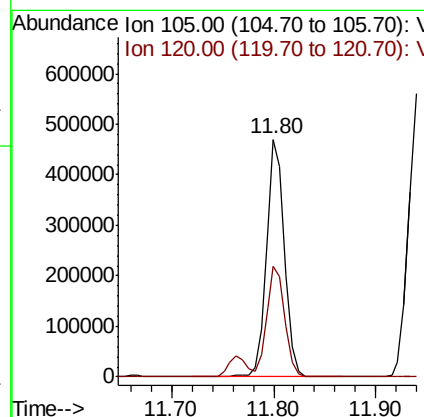
RT: 11.80 min Scan# 1790

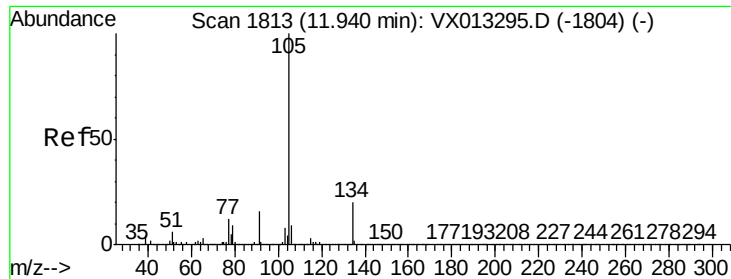
Delta R.T. 0.00 min

Lab File: VX013385.D

Acq: 12 Nov 2019 15:18

Tgt Ion:	105	Resp:	578489
Ion Ratio	Lower	Upper	
105	100		
120	46.3	22.7	68.1





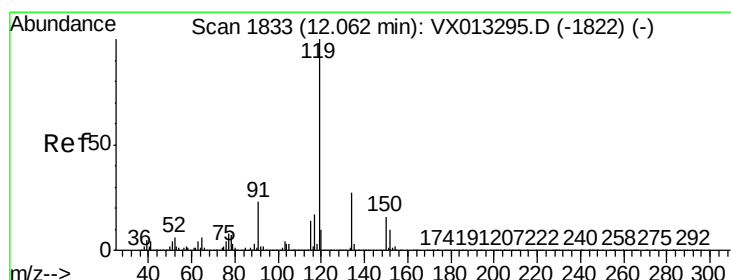
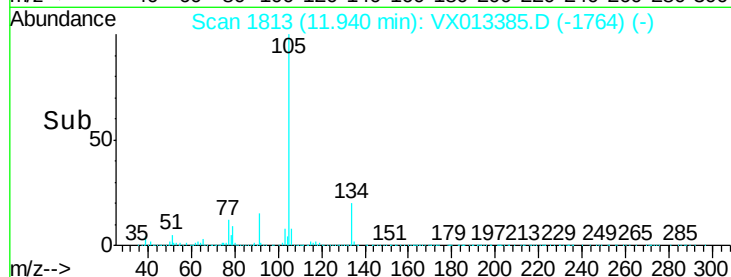
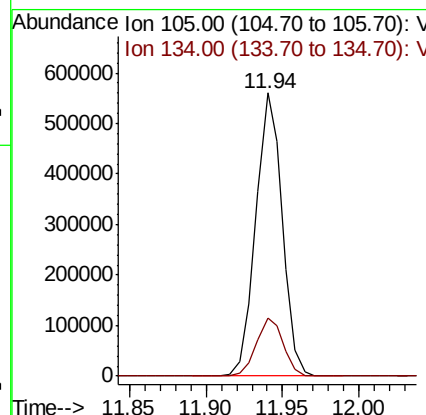
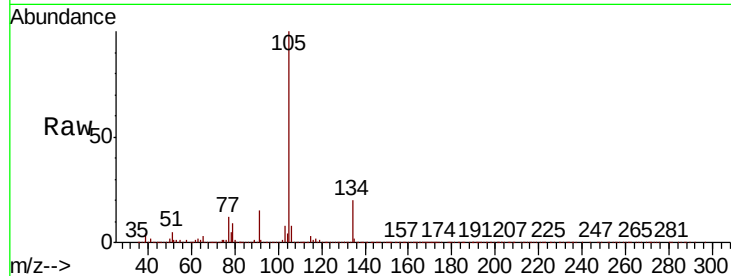
#85
 sec-Butylbenzene
 Concen: 22.652 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX013385.D
 Acq: 12 Nov 2019 15:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.0	10.3	30.9

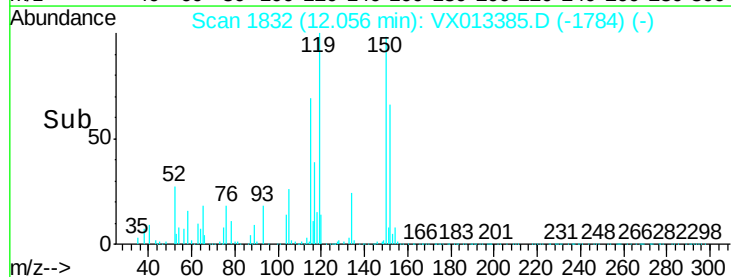
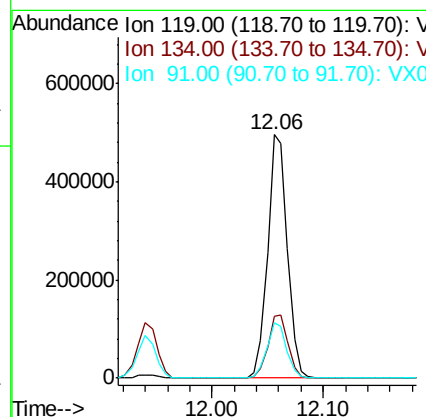
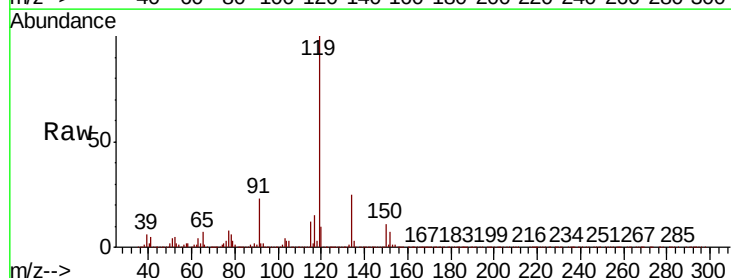
Manual Integrations
 APPROVED

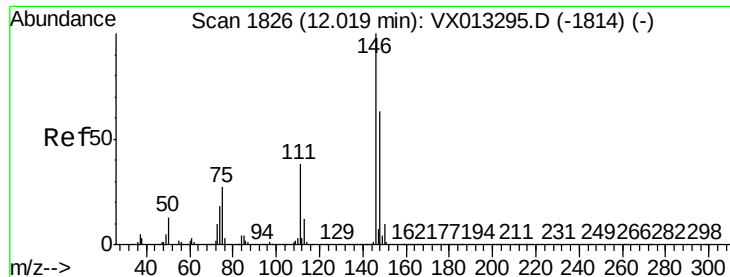
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#86
 p-Isopropyltoluene
 Concen: 22.605 ug/l
 RT: 12.06 min Scan# 1832
 Delta R.T. -0.01 min
 Lab File: VX013385.D
 Acq: 12 Nov 2019 15:18

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.3	39.8
91	22.5	11.5	34.4





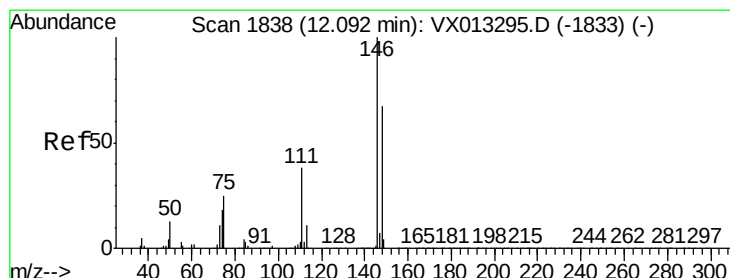
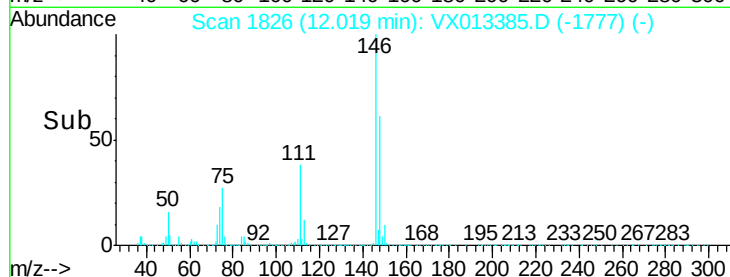
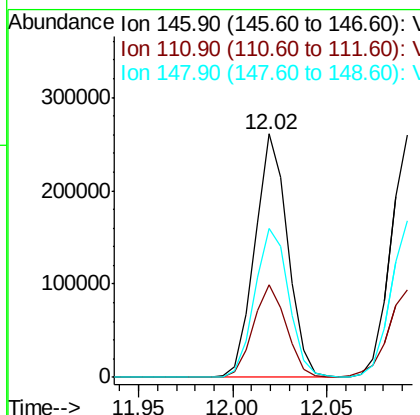
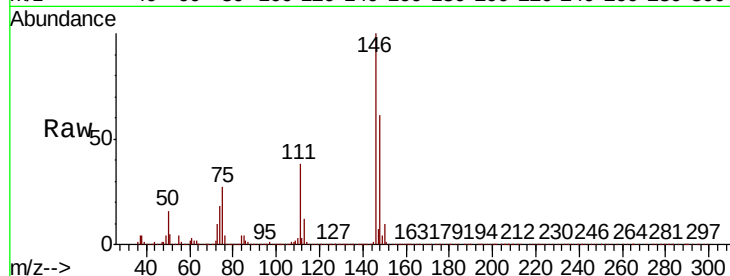
#87
 1,3-Dichlorobenzene
 Concen: 21.502 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX013385.D
 Acq: 12 Nov 2019 15:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.9	56.5
148	63.2	31.9	95.7

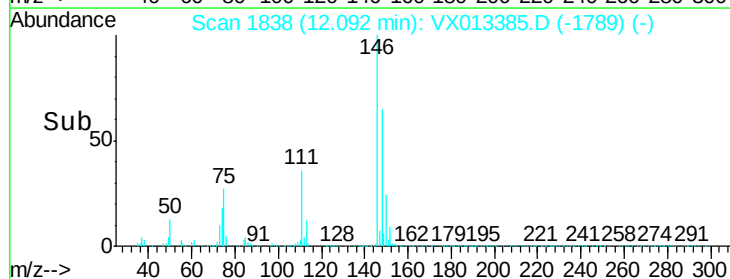
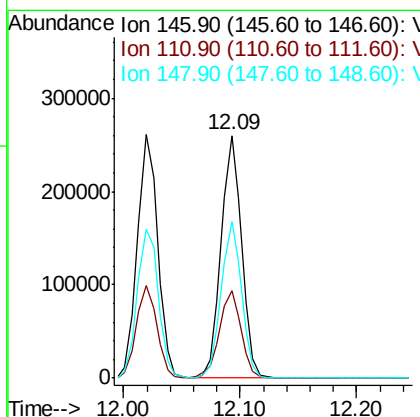
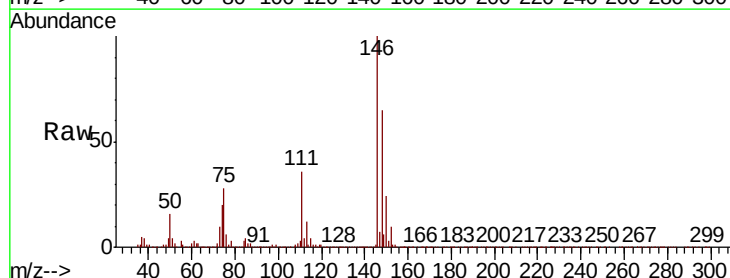
Manual Integrations
 APPROVED

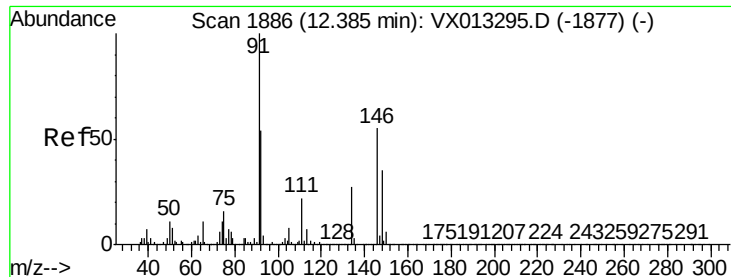
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 11/13/2019 9:39:55 AM



#88
 1,4-Dichlorobenzene
 Concen: 21.061 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX013385.D
 Acq: 12 Nov 2019 15:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.8	56.4
148	64.6	32.4	97.0





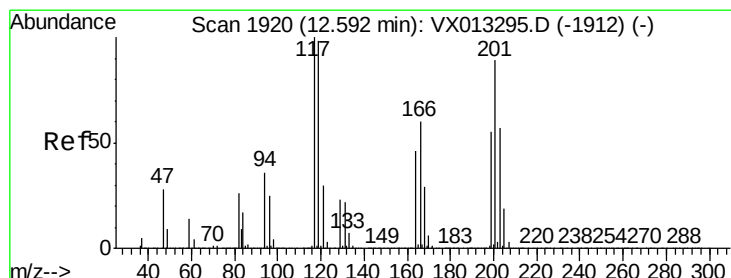
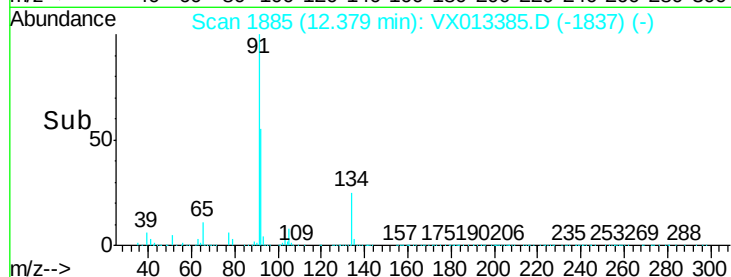
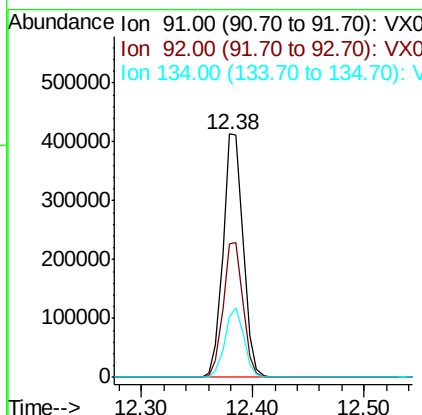
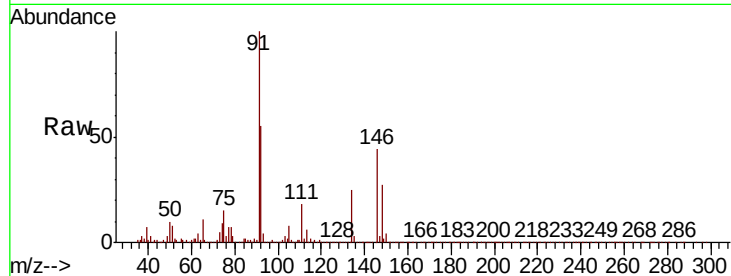
#89
n-Butylbenzene
Concen: 21.575 ug/l
RT: 12.38 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX013385.D
Acq: 12 Nov 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.5	27.3	81.8	
134	27.3	13.5	40.5	

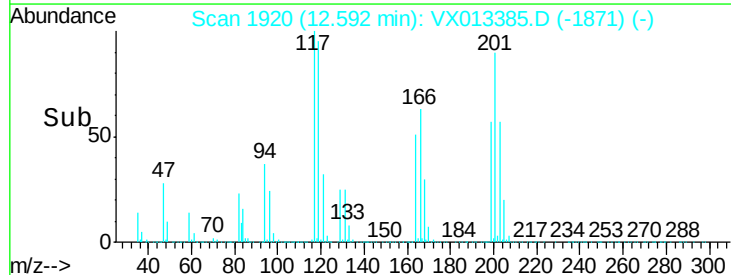
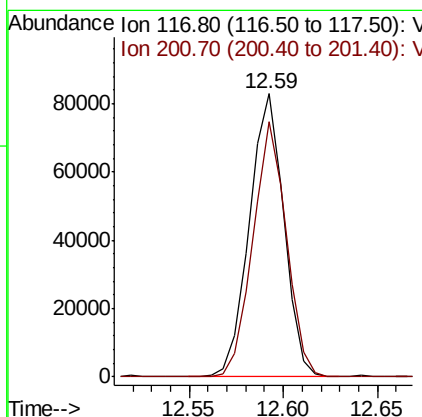
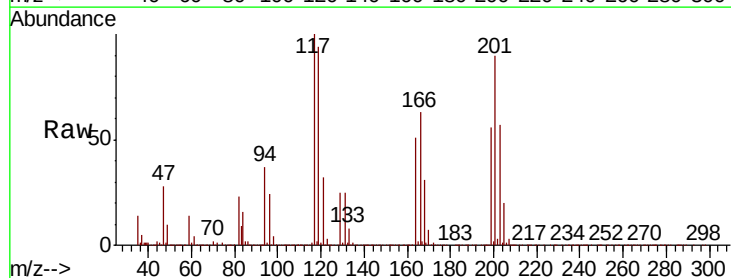
Manual Integrations
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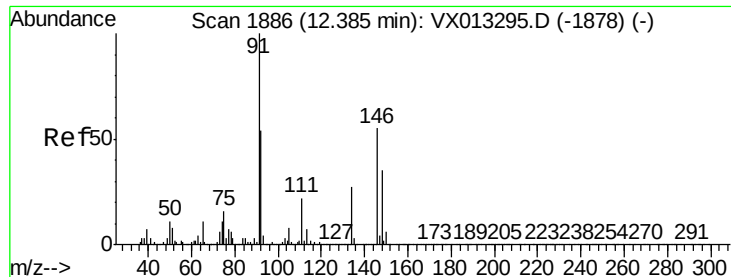
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#90
Hexachloroethane
Concen: 21.461 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX013385.D
Acq: 12 Nov 2019 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	88.3	43.9	131.7	





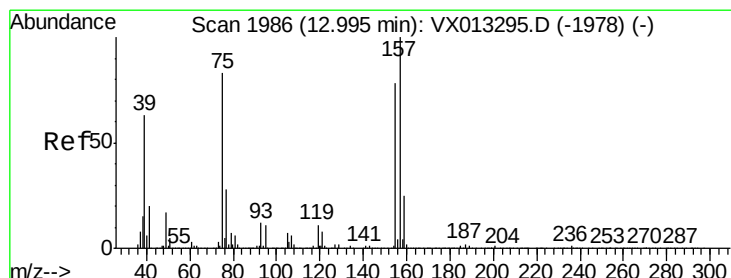
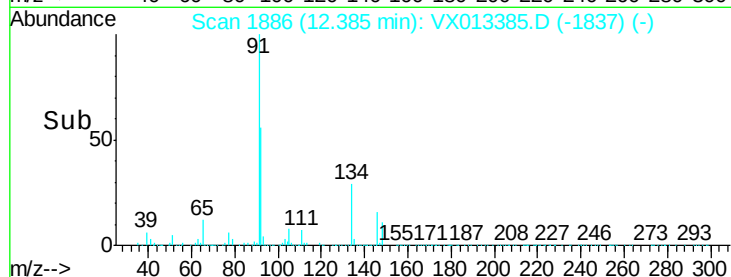
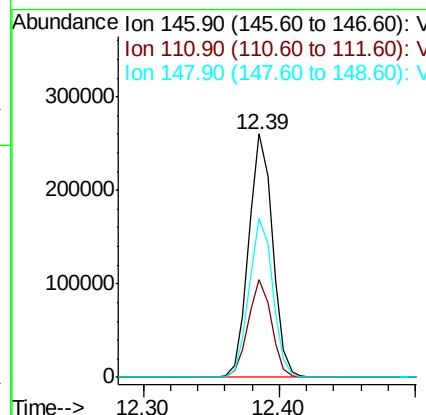
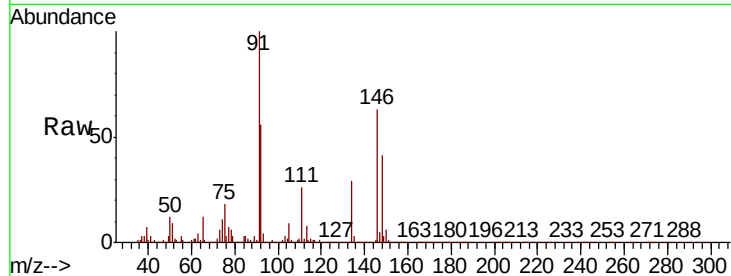
#91
1,2-Dichlorobenzene
Concen: 21.901 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX013385.D
Acq: 12 Nov 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.1	60.2
148	64.5	32.0	96.0

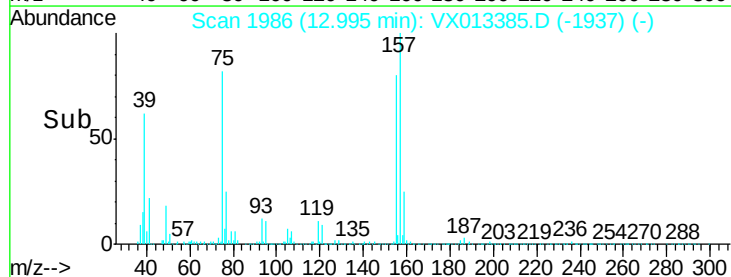
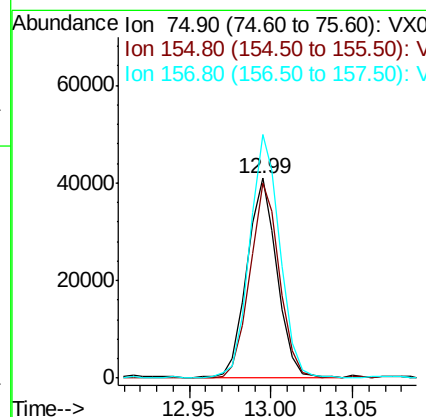
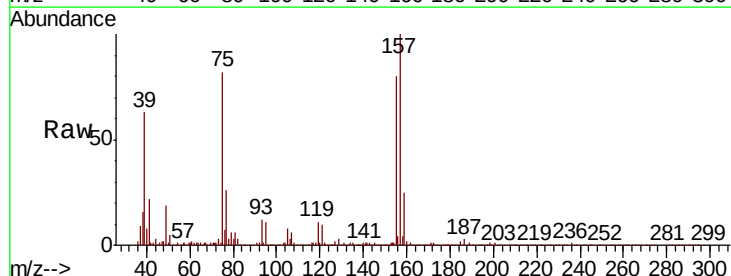
Manual Integrations
APPROVED

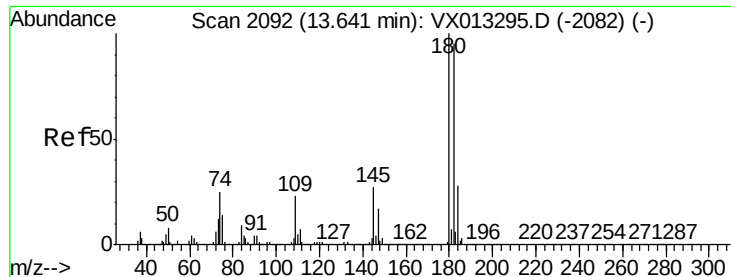
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11/13/2019 9:39:55 AM



#92
1,2-Dibromo-3-Chloropropane
Concen: 19.302 ug/l
RT: 12.99 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VX013385.D
Acq: 12 Nov 2019 15:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.3	47.1	141.4
157	122.0	61.3	183.8





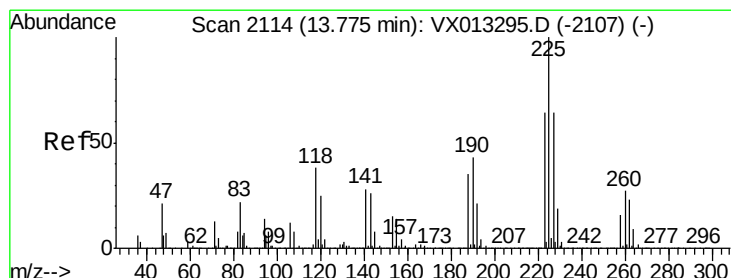
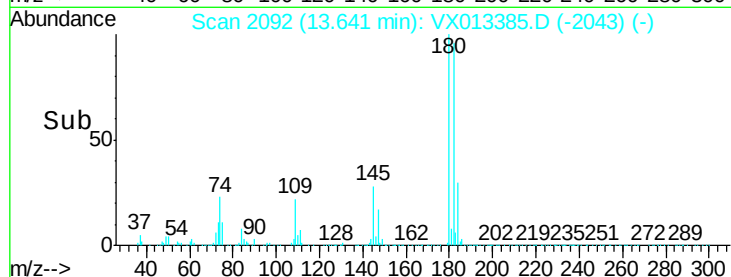
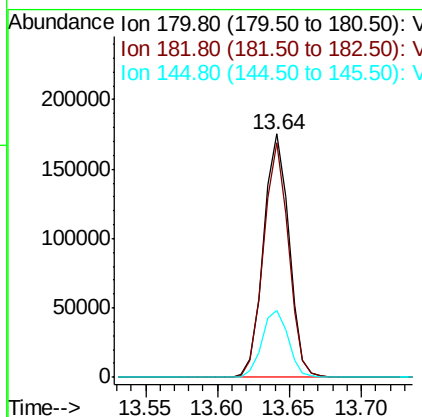
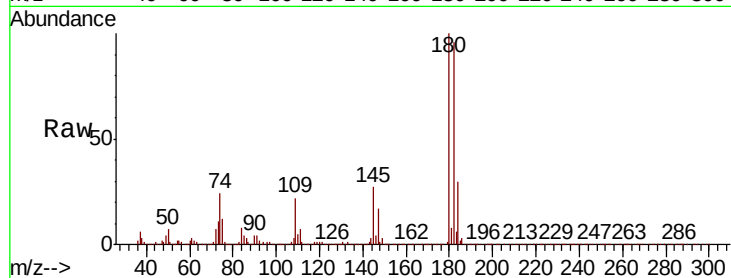
#93
1,2,4-Trichlorobenzene
Concen: 20.860 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. 0.00 min
Lab File: VX013385.D
Acq: 12 Nov 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	212915		
182	94.8	48.4	145.0	
145	28.3	14.1	42.4	

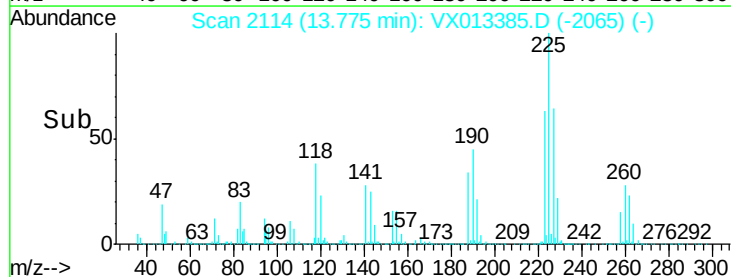
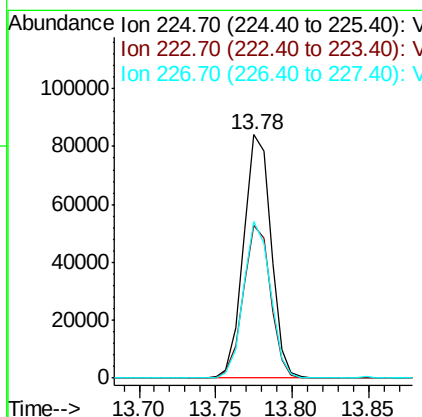
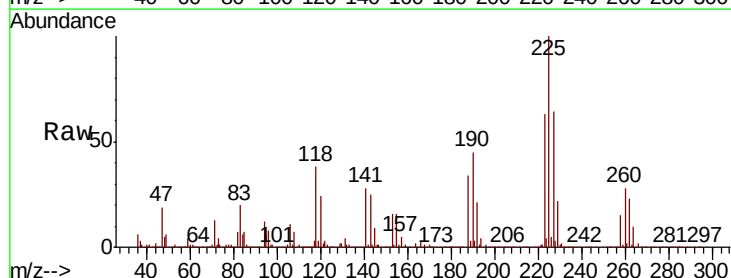
Manual Integrations
APPROVED

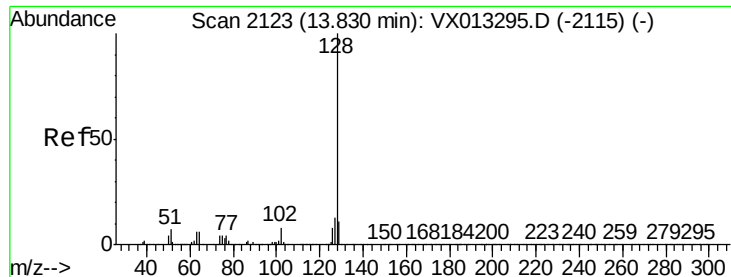
MMDadoda
11/13/2019 9:39:55 AM



#94
Hexachlorobutadiene
Concen: 21.015 ug/l
RT: 13.78 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VX013385.D
Acq: 12 Nov 2019 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	104942		
223	62.2	31.9	95.7	
227	63.2	31.9	95.9	





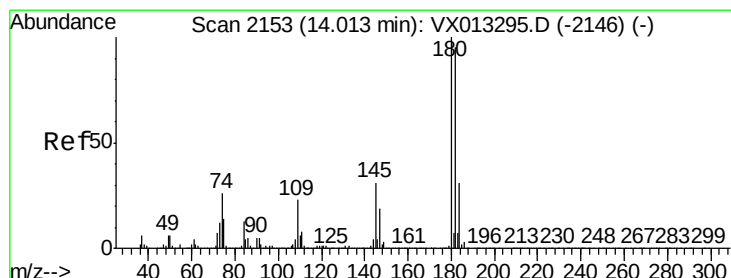
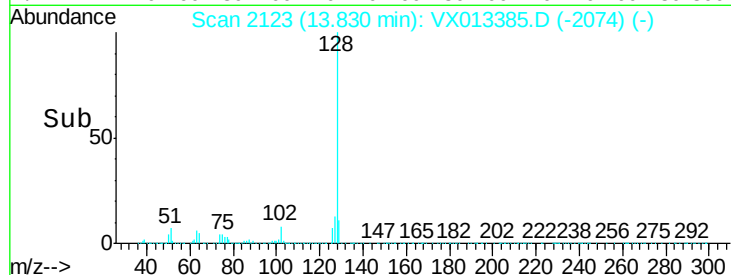
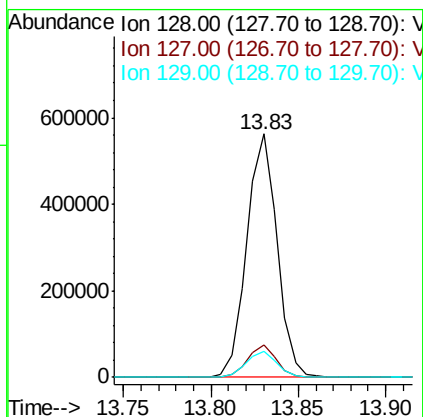
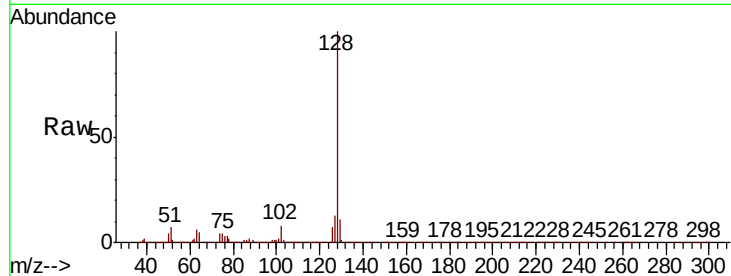
#95
Naphthalene
Concen: 21.115 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013385.D
Acq: 12 Nov 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		676211		
127	12.9	10.2	15.2		
129	10.5	8.5	12.7		

Manual Integrations
APPROVED

MMDadoda
11/13/2019 9:39:55 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.026 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX013385.D
Acq: 12 Nov 2019 15:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		215233		
182	95.1	48.0	144.2		
145	30.0	15.4	46.4		

