

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102119\
 Data File : VX013157.D
 Acq On : 21 Oct 2019 17:18
 Operator : JC/SP
 Sample : VX1021WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX1021WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/22/2019 12:32:02 PM

Quant Time: Oct 22 02:16:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 22 01:53:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	28008	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	156852	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	139189	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	62865	28.51	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.03%
60) 4-Bromofluorobenzene	11.13	95	70979	29.29	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.63%
63) Toluene-d8	8.71	98	189298	30.58	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.93%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	38128	18.961	ug/l 98
3) Chloromethane	1.32	50	34018	19.404	ug/l 95
4) Vinyl Chloride	1.40	62	34799	19.199	ug/l 97
5) Bromomethane	1.63	94	21047	21.519	ug/l 100
6) Chloroethane	1.72	64	21790	18.839	ug/l 96
7) Trichlorofluoromethane	1.92	101	54356	18.661	ug/l 96
8) Diethyl Ether	2.18	74	18413	18.521	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	32436	18.232	ug/l 98
10) 1,1-Dichloroethene	2.36	96	31930	18.583	ug/l 96
11) Methyl Iodide	2.50	142	38282	17.300	ug/l 97
12) Methyl Acetate	2.76	43	44846	20.212	ug/l 99
13) Acrolein	2.28	56	32060	97.068	ug/l 98
14) Acrylonitrile	3.13	53	91746	98.875	ug/l 100
15) Acetone	2.43	58	29827	97.567	ug/l 97
16) Carbon Disulfide	2.56	76	83675	18.236	ug/l 98
17) Allyl chloride	2.72	41	52353	19.155	ug/l 99
18) Methylene Chloride	2.84	84	37651	18.925	ug/l 100
19) trans-1,2-Dichloroethene	3.16	96	35494	19.467	ug/l 96
20) Diisopropyl ether	3.85	45	103120	19.508	ug/l 89
21) 1,1-Dichloroethane	3.69	63	62388	19.438	ug/l 97
22) cis-1,2-Dichloroethene	4.59	96	39814	19.150	ug/l 98
23) tert-Butyl Alcohol	3.03	59	48380	98.964	ug/l # 100
24) Methyl tert-Butyl Ether	3.19	73	113831	19.210	ug/l 98
25) Chloroform	5.20	83	65087	19.298	ug/l 98
26) Cyclohexane	5.56	56	52681	18.707	ug/l # 99
29) 1,1-Dichloropropene	5.79	75	47396	19.451	ug/l 85
30) 2-Butanone	4.66	43	135246	105.813	ug/l 98
31) 2,2-Dichloropropane	4.58	77	54517	19.352	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	58488	19.836	ug/l 98
33) Carbon Tetrachloride	5.78	117	48046	18.959	ug/l 94
34) Benzene	6.14	78	141368	20.152	ug/l 99
35) Methacrylonitrile	5.03	41	26103	19.914	ug/l 96
36) 1,2-Dichloroethane	6.18	62	53089	20.020	ug/l # 84
37) Trichloroethene	7.21	130	37080	19.057	ug/l 94
38) Methylcyclohexane	7.46	83	57551	19.366	ug/l 99
39) 1,2-Dichloropropane	7.51	63	34770	20.194	ug/l 97
40) Dibromomethane	7.65	93	24894	20.241	ug/l 97

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MMDadoda
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 22 01:53:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	47472	19.143	ug/l	95
42) Vinyl Acetate	3.80	43	451055	101.765	ug/l	100
43) Ethyl Acetate	4.83	43	48617	20.854	ug/l	100
44) Isopropyl Acetate	6.44	43	79733	20.350	ug/l	99
45) 1,4-Dioxane	7.73	88	20858	420.950	ug/l	97
46) Methyl methacrylate	7.76	41	38880	20.166	ug/l	93
47) n-amyl Acetate	10.89	43	64340	19.481	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	52762	19.396	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	57920	19.569	ug/l	97
50) 1,1,2-Trichloroethane	9.21	97	36526	20.111	ug/l	98
51) Ethyl methacrylate	9.17	69	57019	20.022	ug/l	99
52) 1,3-Dichloropropane	9.37	76	62267	20.358	ug/l	100
53) Dibromochloromethane	9.58	129	37249	19.013	ug/l	99
54) 1,2-Dibromoethane	9.67	107	38929	20.046	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	118059	102.053	ug/l	99
56) Bromoform	10.86	173	26598	19.136	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	247092	105.352	ug/l	100
59) 2-Hexanone	9.48	43	193097	105.052	ug/l	99
61) Tetrachloroethene	9.33	164	38057	20.624	ug/l	96
62) Toluene	8.78	91	153410	20.417	ug/l	99
64) Chlorobenzene	10.14	112	97090	20.153	ug/l	96
65) 1,1,1,2-Tetrachloroethane	10.21	131	36010	19.953	ug/l	98
66) Ethyl Benzene	10.25	91	172160	19.908	ug/l	96
67) m/p-Xylenes	10.36	106	130529	39.714	ug/l	99
68) o-Xylene	10.70	106	64084	20.425	ug/l	91
69) Styrene	10.71	104	108141	20.028	ug/l	99
70) Isopropylbenzene	11.01	105	167364	19.439	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	53945	20.448	ug/l	97
72) 1,2,3-Trichloropropane	11.29	75	45852m	20.011	ug/l	
73) Bromobenzene	11.25	156	40259	19.485	ug/l	98
74) n-propylbenzene	11.35	91	189029	20.004	ug/l	99
75) 2-Chlorotoluene	11.42	91	113993	19.278	ug/l	98
76) 1,3,5-Trimethylbenzene	11.50	105	145651	20.153	ug/l	96
77) t-1,4-Dichloro-2-butene	11.07	75	16738	18.814	ug/l	95
78) 4-Chlorotoluene	11.51	91	132745	19.647	ug/l	97
79) tert-butylbenzene	11.76	119	135529	19.475	ug/l	96
80) 1,2,4-Trimethylbenzene	11.80	105	143946	19.937	ug/l	99
81) sec-Butylbenzene	11.94	105	161704	19.505	ug/l	100
82) p-Isopropyltoluene	12.06	119	148974	19.653	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	70453	18.672	ug/l	98
84) 1,4-Dichlorobenzene	12.09	146	70611	18.922	ug/l	100
85) n-Butylbenzene	12.39	91	117169	18.198	ug/l	99
86) Hexachloroethane	12.59	117	24822	18.761	ug/l	98
87) 1,2-Dichlorobenzene	12.39	146	71464	19.525	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.99	75	12394	19.066	ug/l	95
89) 1,2,4-Trichlorobenzene	13.64	180	41638	18.291	ug/l	94
90) Hexachlorobutadiene	13.78	225	21260	18.394	ug/l	98
91) Naphthalene	13.83	128	143011	19.313	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	43795	18.778	ug/l	99

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ClientSampleId :
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Manual Integrations
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QLast Update : Tue Oct 22 01:53:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

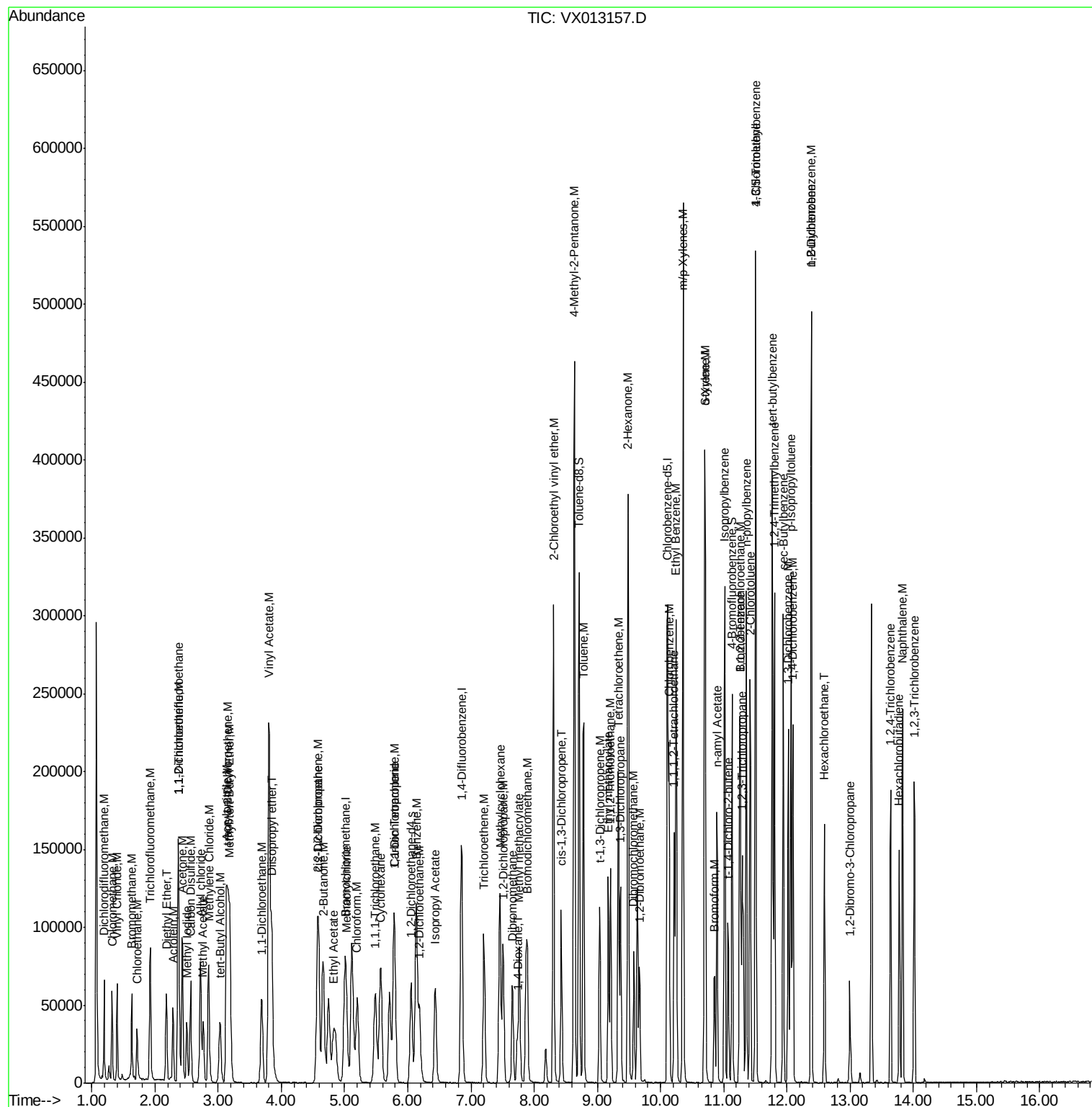
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102119\
 Data File : VX013157.D
 Acq On : 21 Oct 2019 17:18
 Operator : JC/SP
 Sample : VX1021WBSD01
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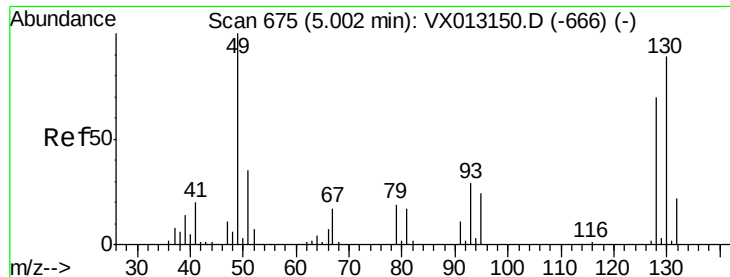
Instrument :
 MSVOA_X
 ClientSampleID :
 VX1021WBSD01

Manual Integrations
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Quant Time: Oct 22 02:16:20 2019
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.00 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX013157.D

Acq: 21 Oct 2019 17:18

Instrument :

MSVOA_X

ClientSampleId :

VX1021WBSD01

Tot Ion:128 Resp: 28008

Ion Ratio Lower Upper

128 100

49 139.5 0.0 367.3

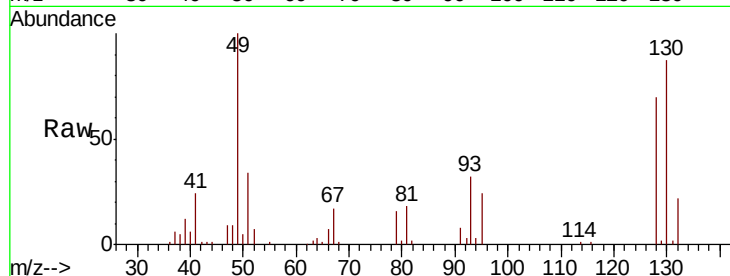
130 124.4 0.0 325.0

Manual Integrations

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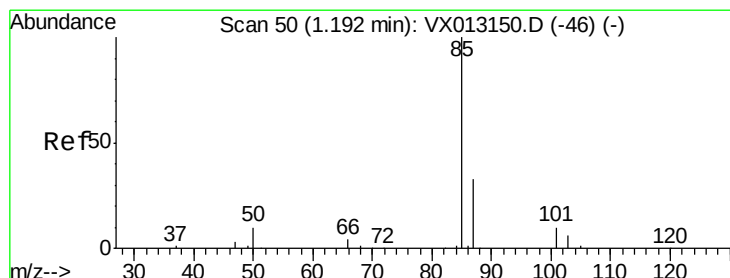
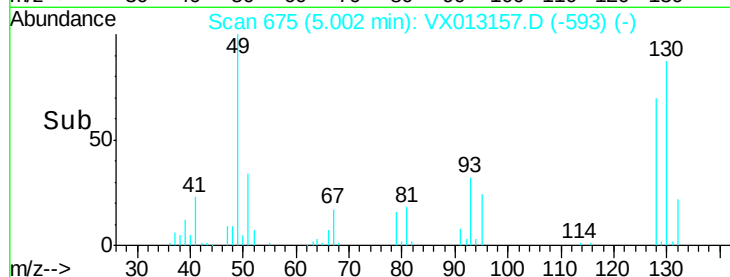
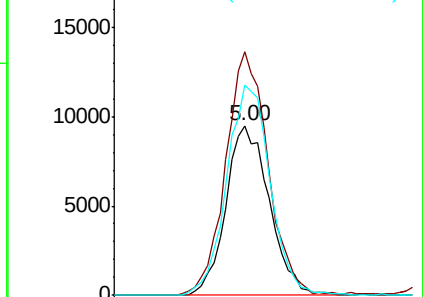
10/22/2019 12:32:02 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 18.961 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX013157.D

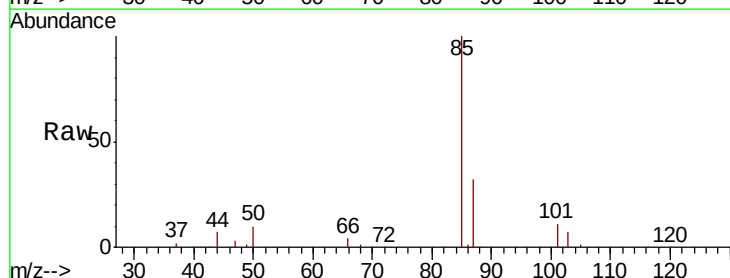
Acq: 21 Oct 2019 17:18

Tgt Ion: 85 Resp: 38128

Ion Ratio Lower Upper

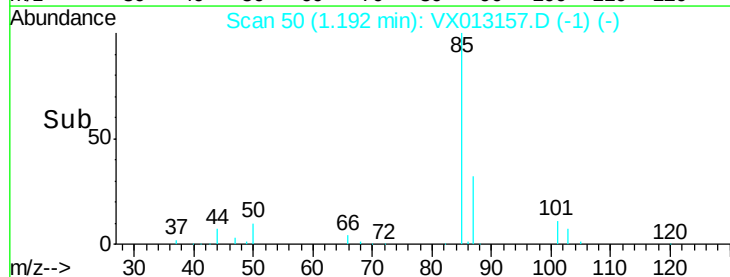
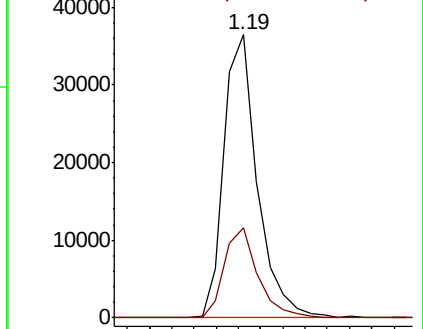
85 100

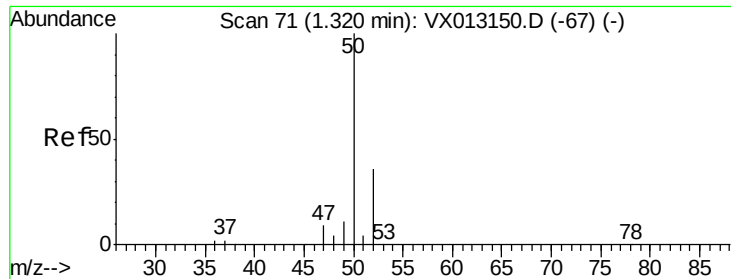
87 31.9 16.6 49.7



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 19.404 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX013157.D

Acq: 21 Oct 2019 17:18

Instrument :

MSVOA_X

ClientSampleId :

VX1021WBSD01

Tot Ion: 50 Resp: 34018

Ion Ratio Lower Upper

50 100

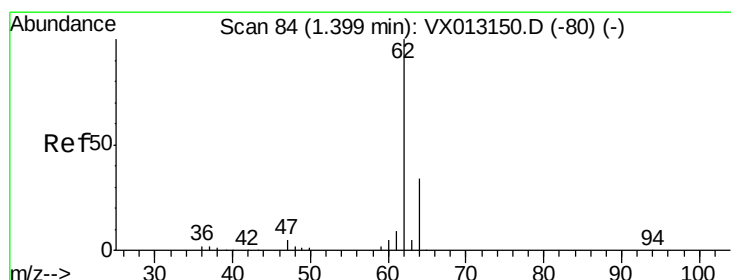
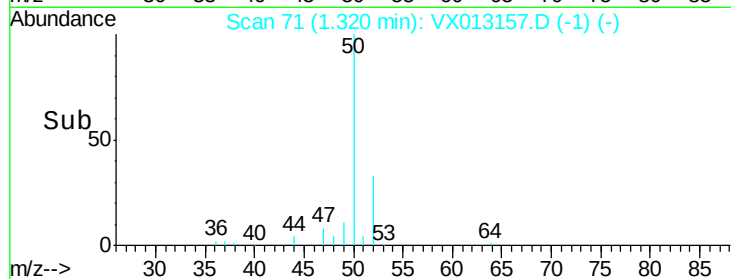
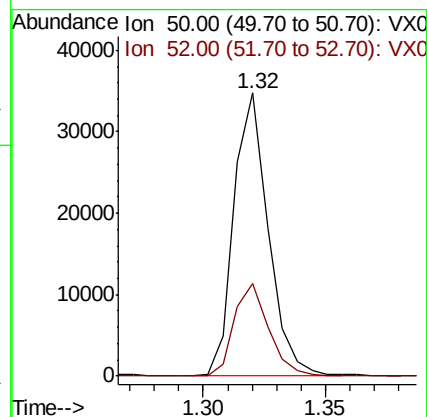
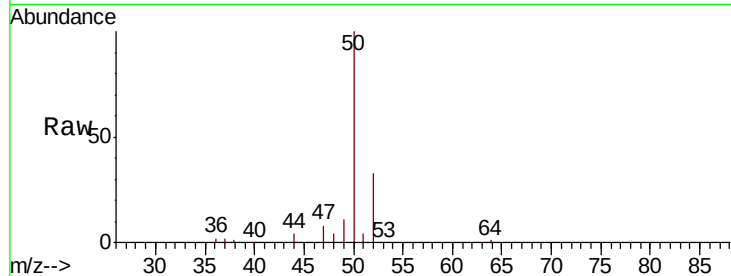
52 32.7 28.6 42.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.199 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013157.D

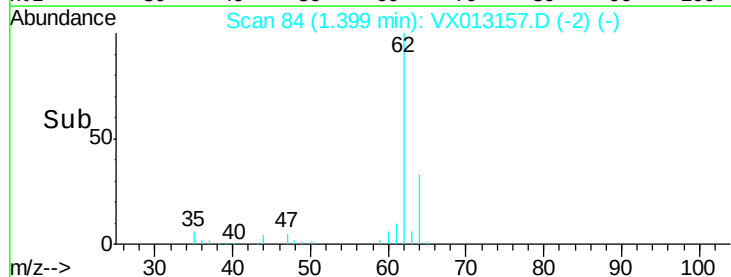
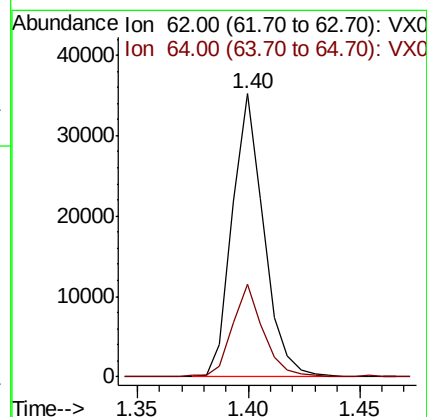
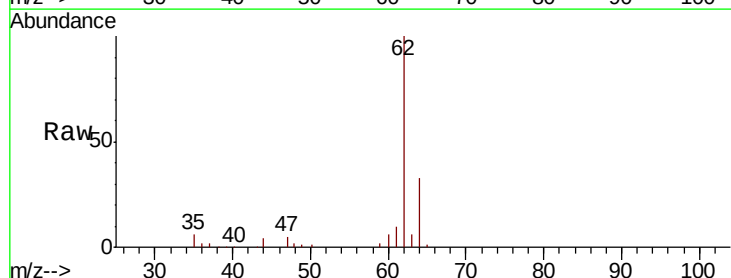
Acq: 21 Oct 2019 17:18

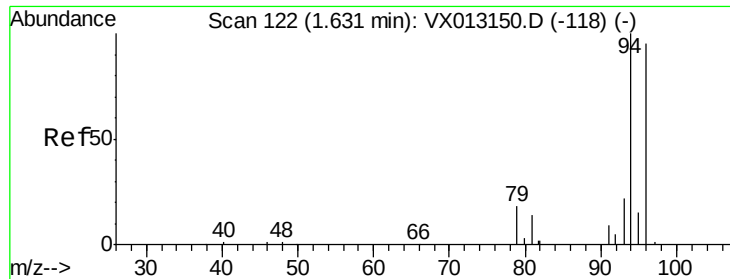
Tgt Ion: 62 Resp: 34799

Ion Ratio Lower Upper

62 100

64 32.2 27.3 40.9





#5

Bromomethane

Concen: 21.519 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX013157.D

Acq: 21 Oct 2019 17:18

Instrument :

MSVOA_X

ClientSampleId :

VX1021WBSD01

Tot Ion: 94 Resp: 21047

Ion Ratio Lower Upper

94 100

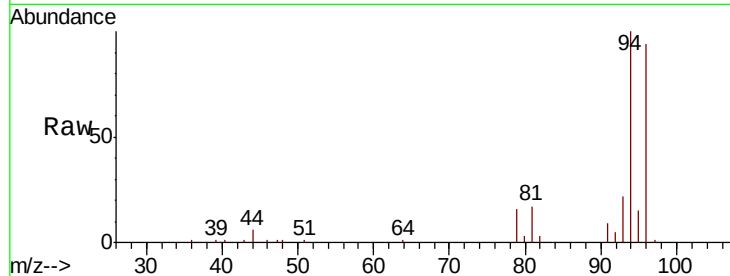
96 94.6 75.9 113.9

Manual Integrations

APPROVED

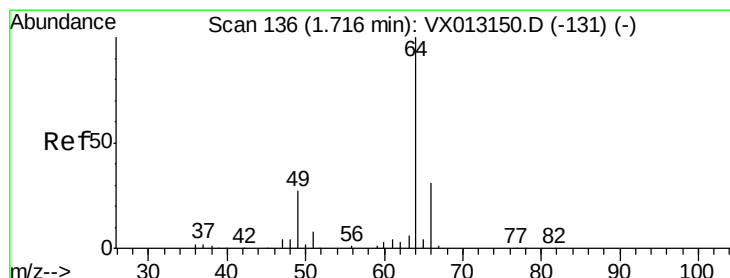
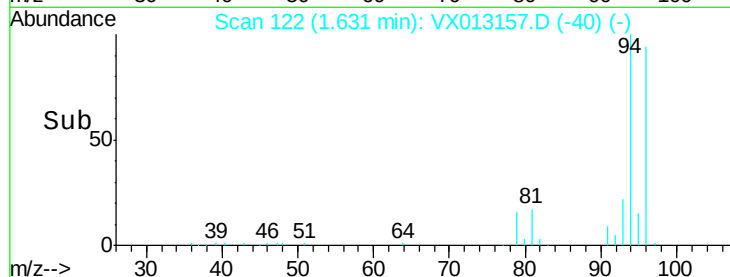
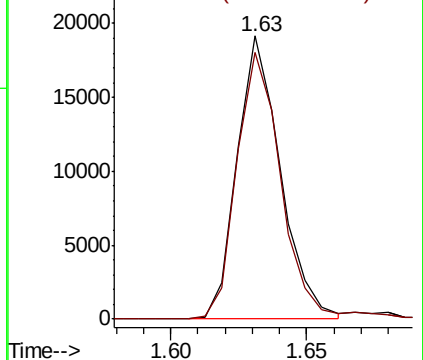
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 18.839 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX013157.D

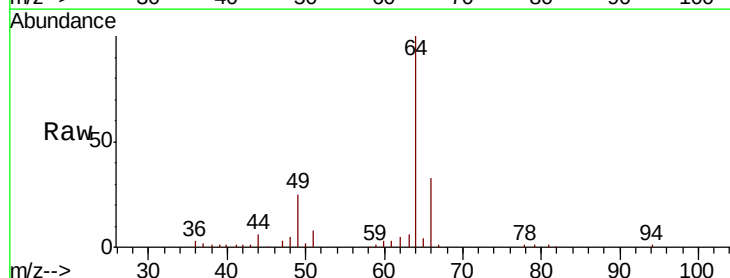
Acq: 21 Oct 2019 17:18

Tgt Ion: 64 Resp: 21790

Ion Ratio Lower Upper

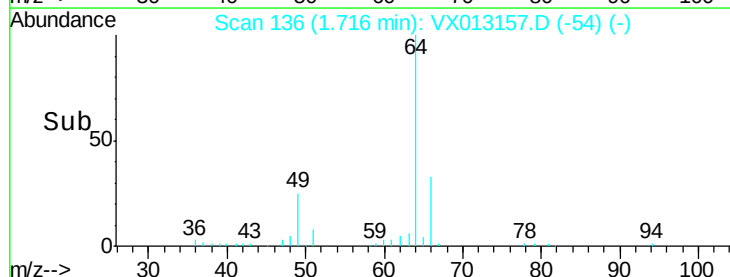
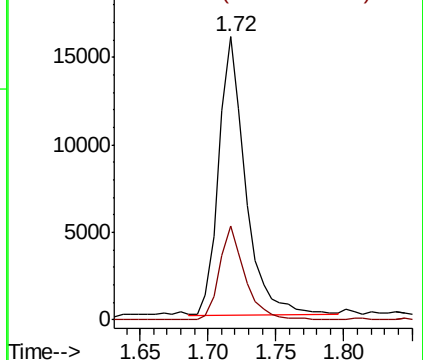
64 100

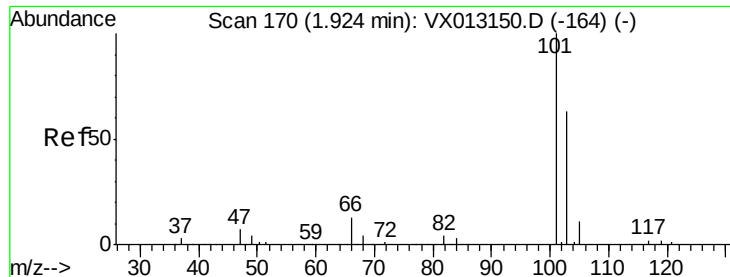
66 34.0 25.4 38.2



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

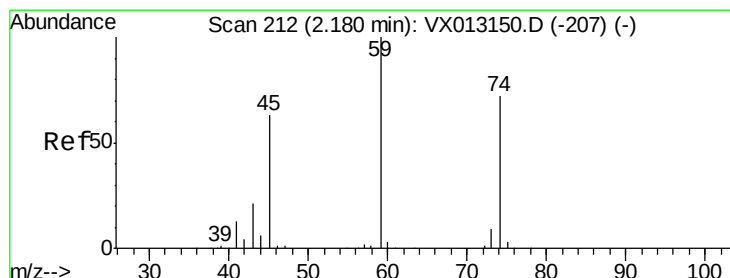
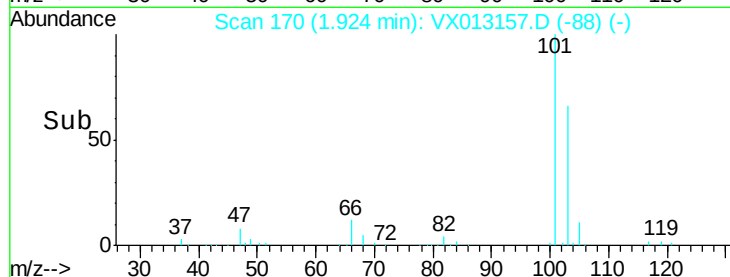
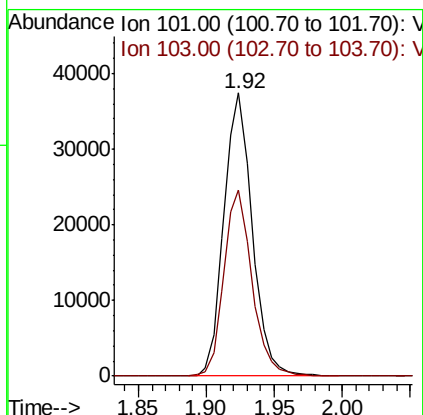
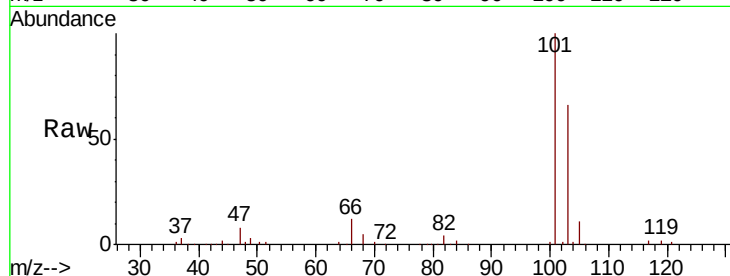
Trichlorofluoromethane
Concen: 18.661 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX013157.D
Acq: 21 Oct 2019 17:18

Instrument :
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ClientSampleId :
VX1021WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	50.2	75.4

Manual Integrations
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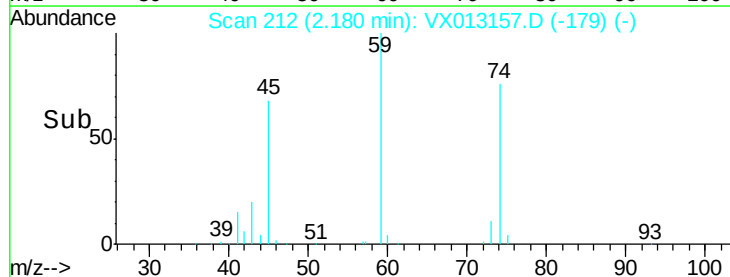
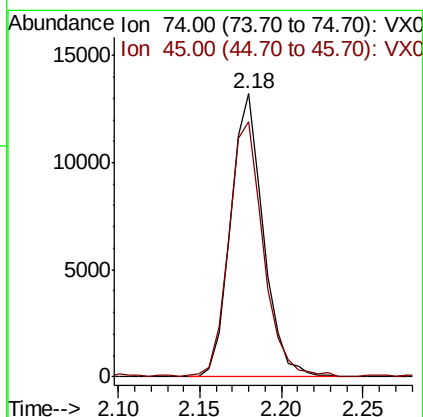
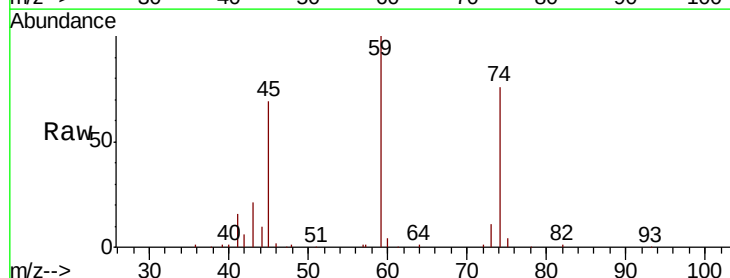
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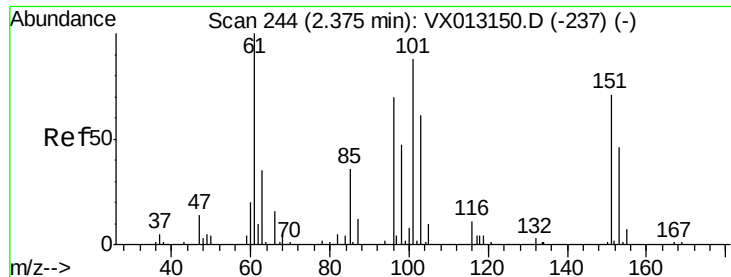


#8

Diethyl Ether
Concen: 18.521 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX013157.D
Acq: 21 Oct 2019 17:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.5	18.4	165.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.232 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.00 min

Lab File: VX013157.D

Acq: 21 Oct 2019 17:18

Instrument :

MSVOA_X

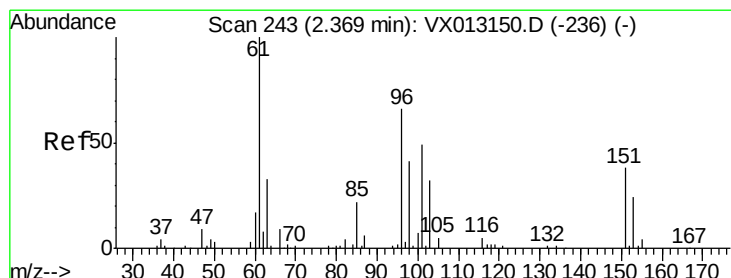
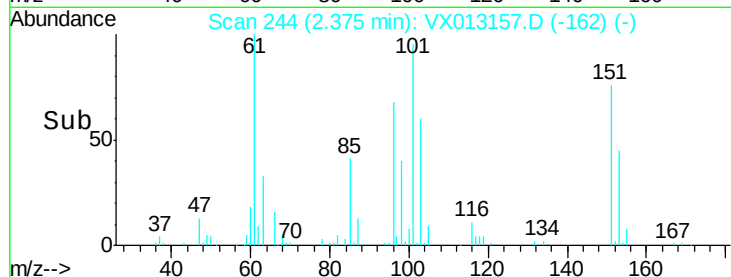
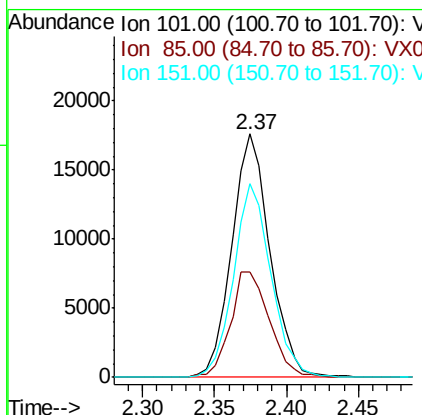
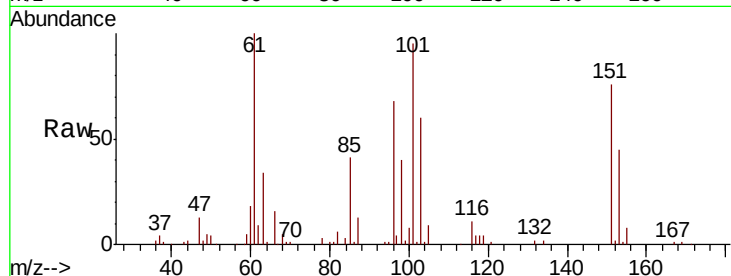
ClientSampleId :

VX1021WBSD01

Tot Ion:	101	Resp:	32436
Ion Ratio	Lower	Upper	
101	100		
85	44.0	0.0	87.2
151	78.5	0.0	163.0

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#10

1,1-Dichloroethene

Concen: 18.583 ug/l

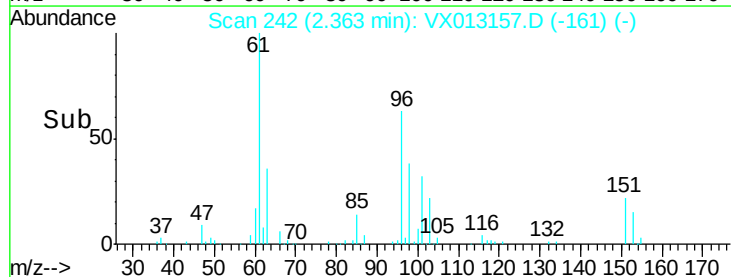
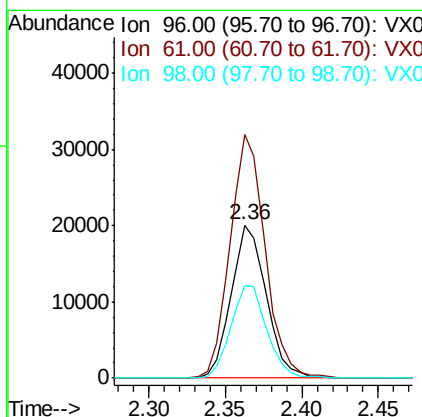
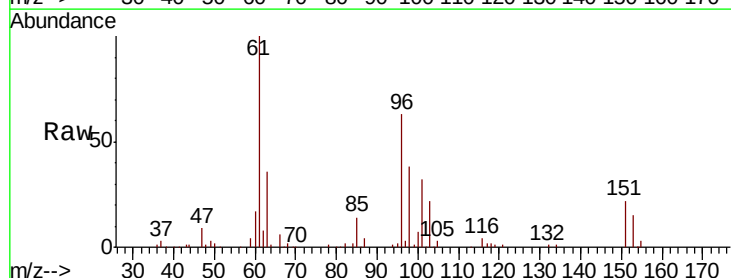
RT: 2.36 min Scan# 242

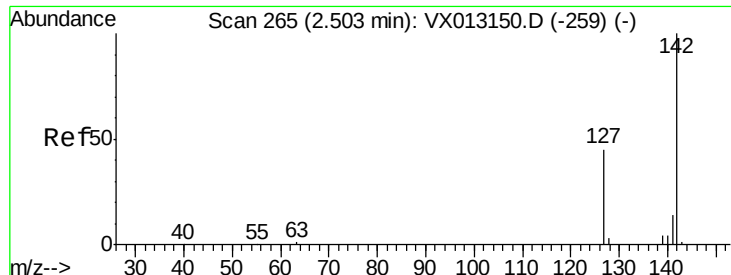
Delta R.T. -0.01 min

Lab File: VX013157.D

Acq: 21 Oct 2019 17:18

Tgt Ion:	96	Resp:	31930
Ion Ratio	Lower	Upper	
96	100		
61	158.7	121.3	181.9
98	60.8	49.5	74.3





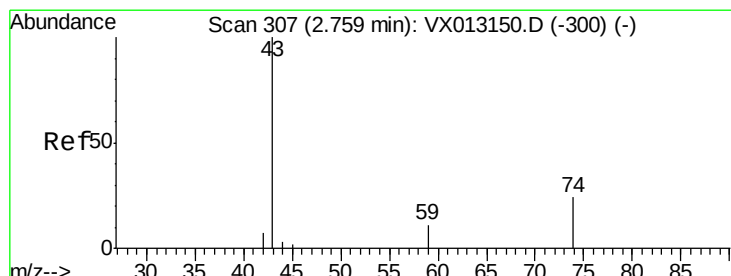
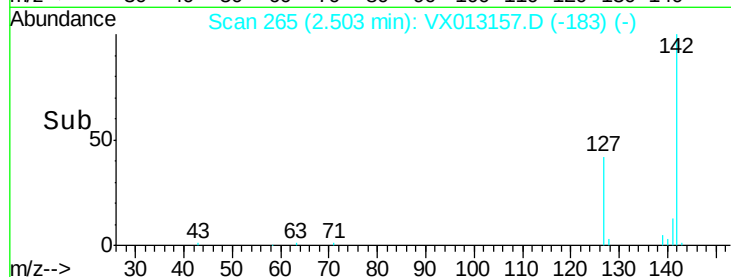
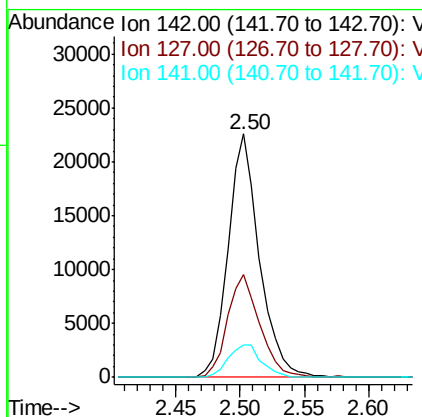
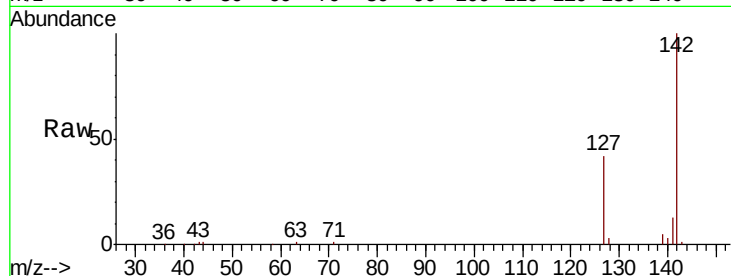
#11
Methyl Iodide
Concen: 17.300 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX013157.D
Acq: 21 Oct 2019 17:18

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	42.3	22.3	66.9
141	13.1	7.1	21.3

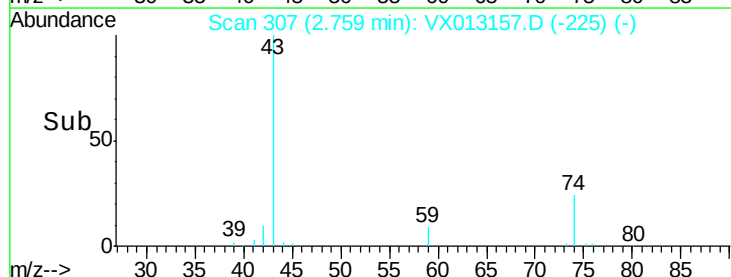
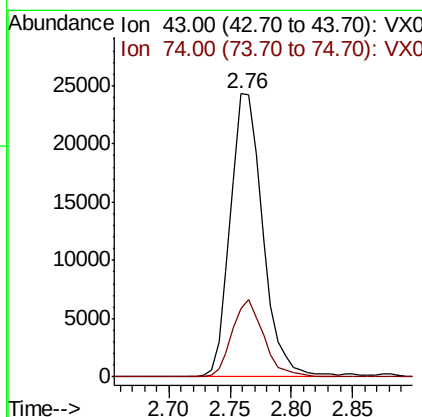
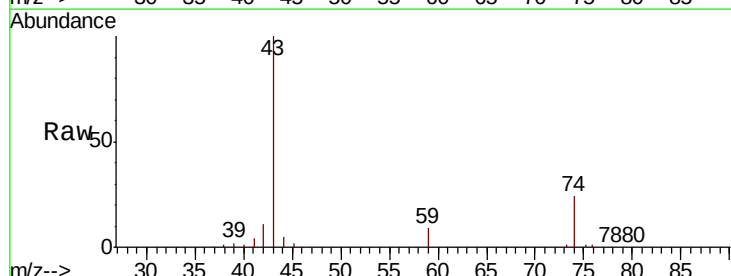
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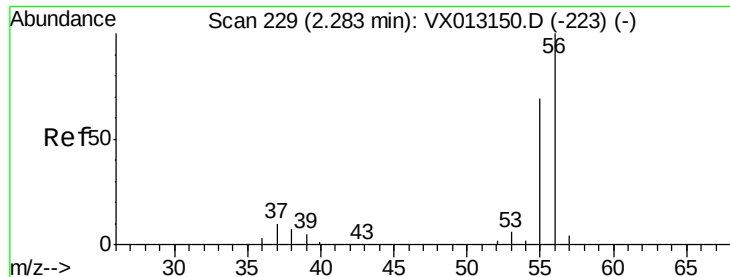
MMDadoda
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#12
Methyl Acetate
Concen: 20.212 ug/l
RT: 2.76 min Scan# 307
Delta R.T. 0.00 min
Lab File: VX013157.D
Acq: 21 Oct 2019 17:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.7	29.5





#13

Acrolein

Concen: 97.068 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013157.D

Acq: 21 Oct 2019 17:18

Instrument :

MSVOA_X

ClientSampleId :

VX1021WBSD01

Tot Ion: 56 Resp: 32060

Ion Ratio Lower Upper

56 100

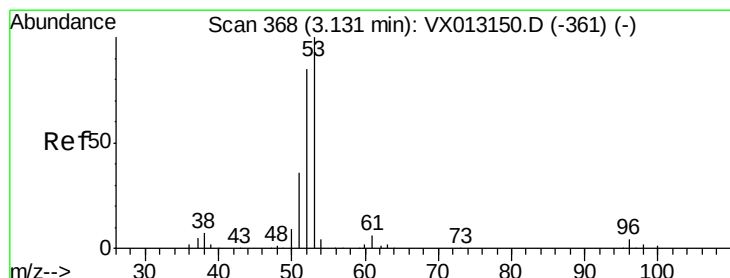
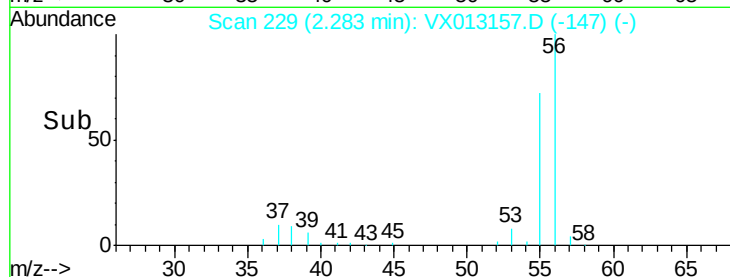
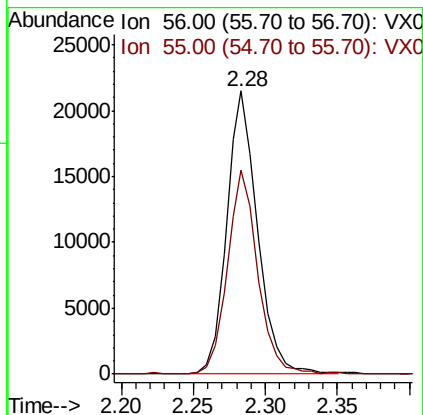
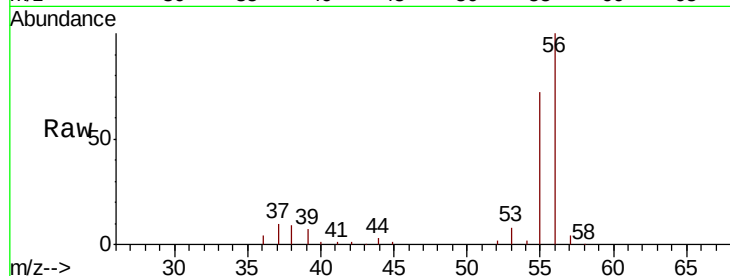
55 71.3 55.8 83.8

Manual Integrations

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#14

Acrylonitrile

Concen: 98.875 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX013157.D

Acq: 21 Oct 2019 17:18

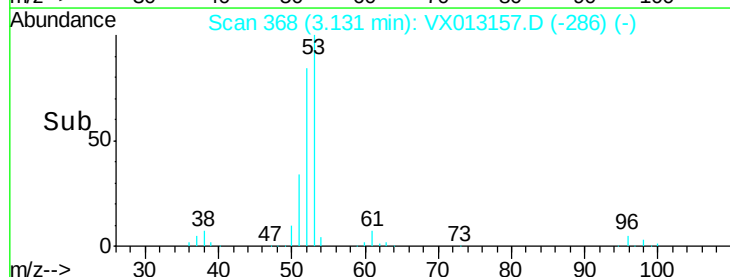
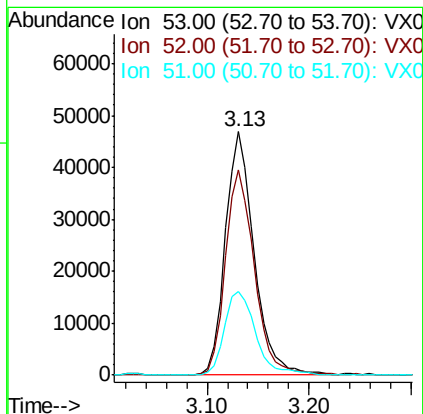
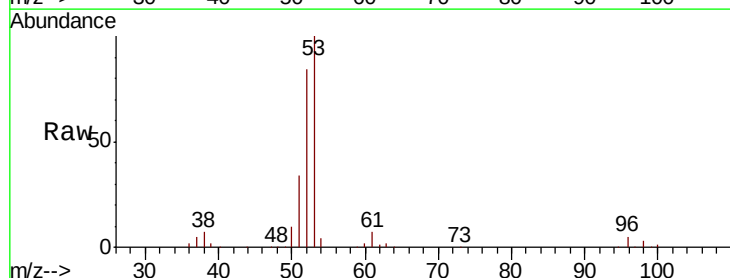
Tgt Ion: 53 Resp: 91746

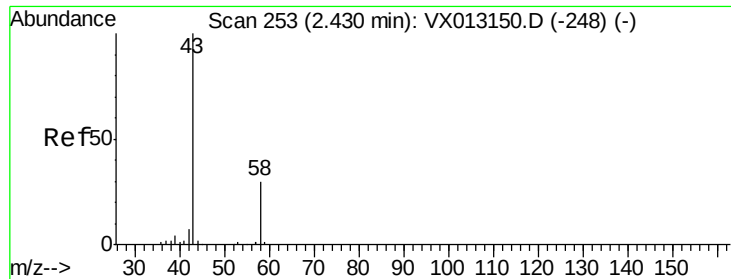
Ion Ratio Lower Upper

53 100

52 84.1 42.0 126.0

51 37.2 18.6 56.0





#15

Acetone

Concen: 97.567 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013157.D

Acq: 21 Oct 2019 17:18

Instrument :

MSVOA_X

ClientSampleId :

VX1021WBSD01

Tot Ion: 58 Resp: 29827

Ion Ratio Lower Upper

58 100

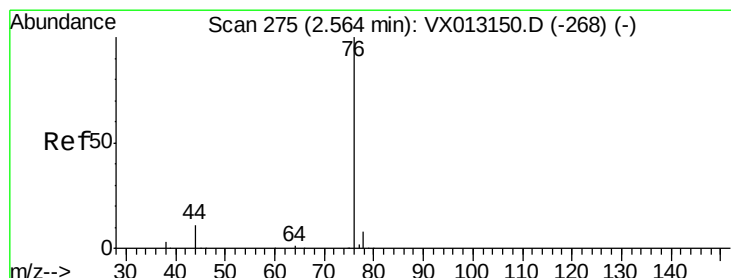
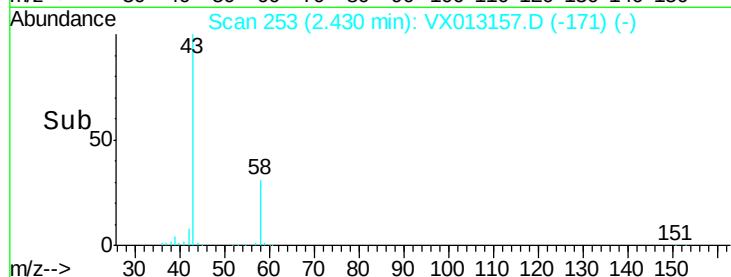
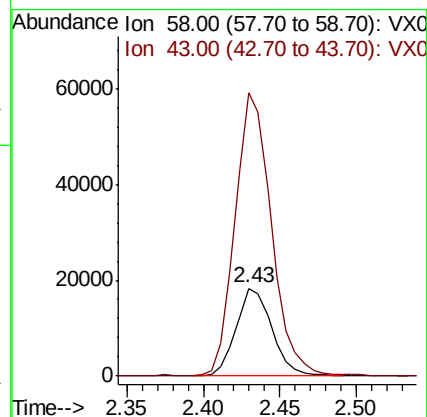
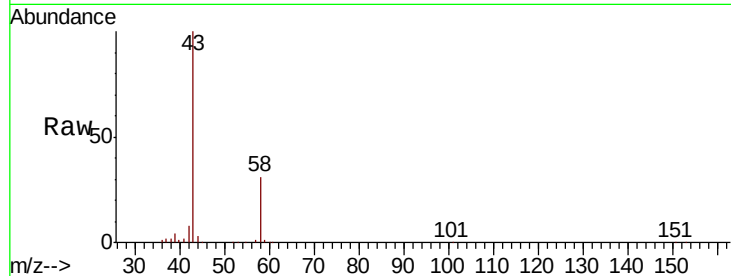
43 322.4 262.8 394.2

Manual Integrations

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#16

Carbon Disulfide

Concen: 18.236 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.00 min

Lab File: VX013157.D

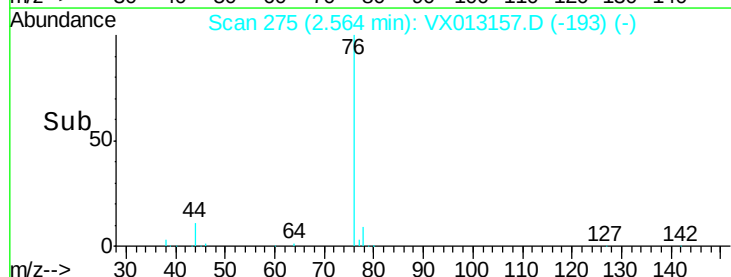
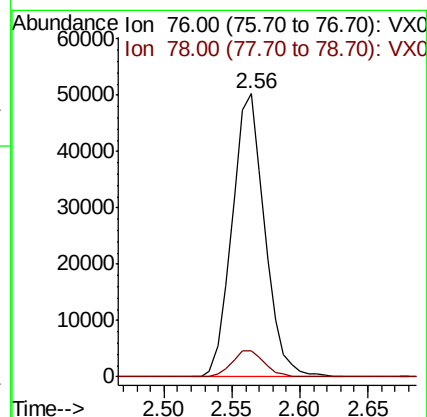
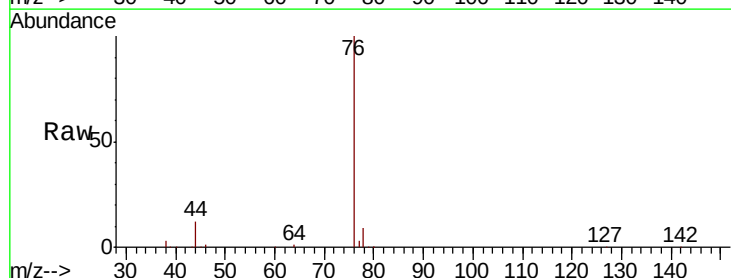
Acq: 21 Oct 2019 17:18

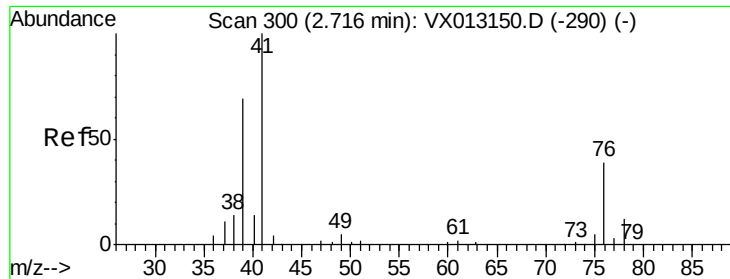
Tgt Ion: 76 Resp: 83675

Ion Ratio Lower Upper

76 100

78 9.1 6.6 10.0





#17

Allvl chloride

Concen: 19.155 ug/l

RT: 2.72 min Scan# 301

Delta R.T. 0.01 min

Lab File: VX013157.D

Acq: 21 Oct 2019 17:18

Instrument :

MSVOA_X

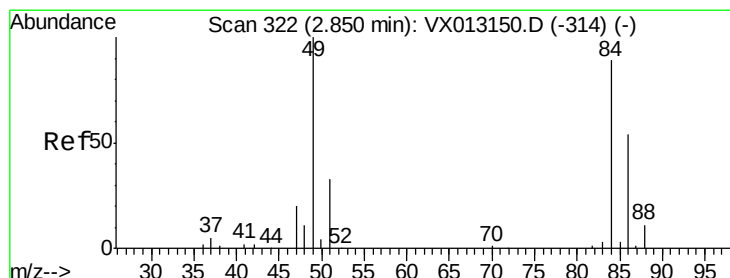
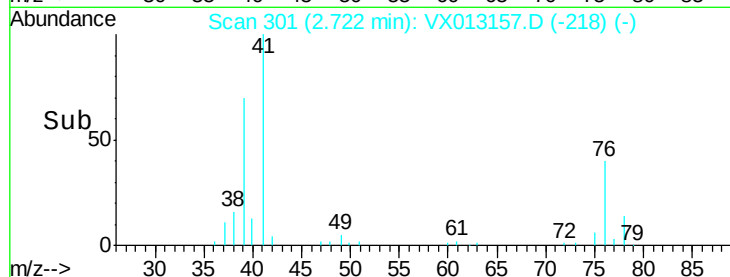
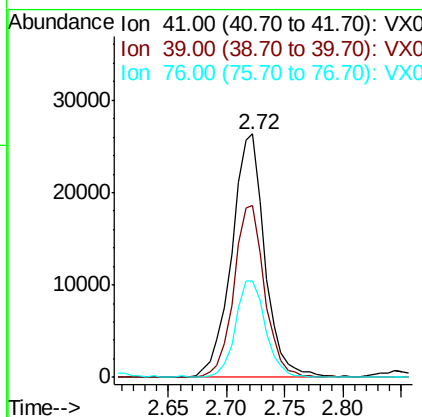
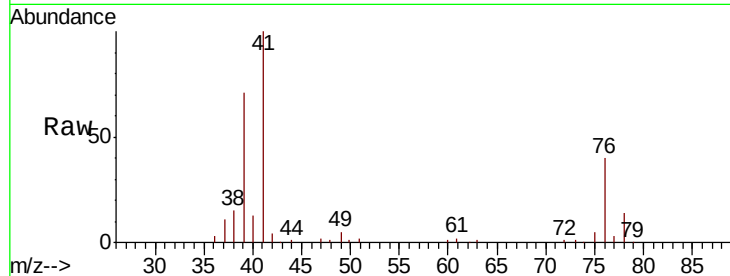
ClientSampleId :

VX1021WBSD01

Tot Ion:	41	Resp:	52353
Ion	Ratio	Lower	Upper
41	100		
39	70.6	34.7	104.1
76	39.8	19.7	59.0

Manual Integrations
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#18

Methylene Chloride

Concen: 18.925 ug/l

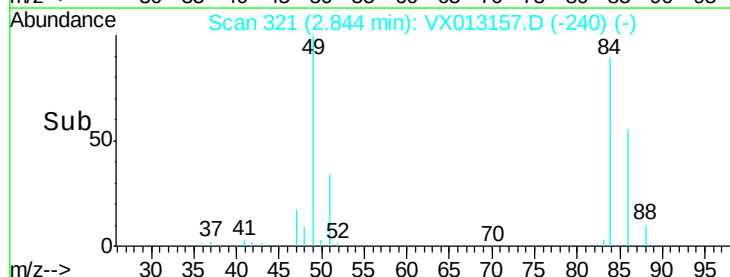
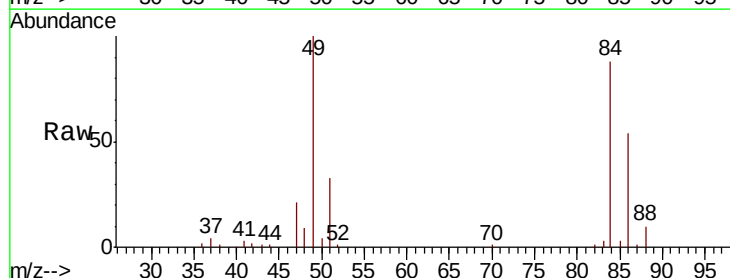
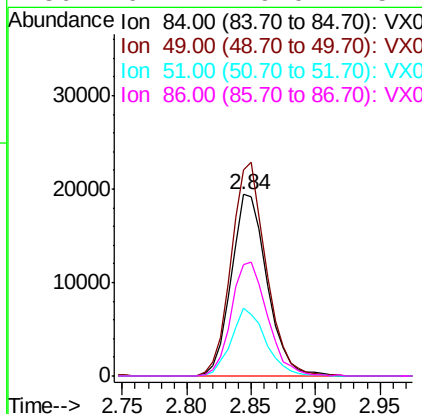
RT: 2.84 min Scan# 321

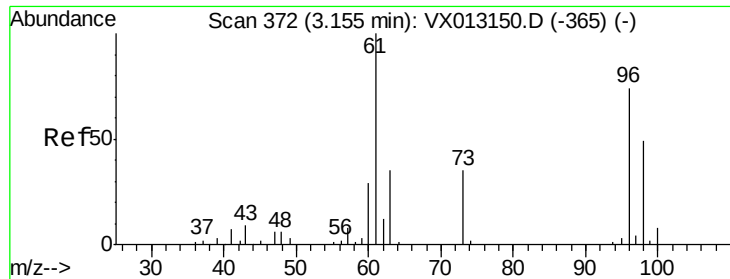
Delta R.T. -0.01 min

Lab File: VX013157.D

Acq: 21 Oct 2019 17:18

Tgt Ion:	84	Resp:	37651
Ion	Ratio	Lower	Upper
84	100		
49	113.5	90.3	135.5
51	37.4	29.9	44.9
86	61.2	49.0	73.4





#19

trans-1,2-Dichloroethene

Concen: 19.467 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013157.D

Acq: 21 Oct 2019 17:18

Instrument :

MSVOA_X

ClientSampleId :

VX1021WBSD01

Tot Ion: 96 Resp: 35494

Ion Ratio Lower Upper

96 100

61 140.5 108.6 162.8

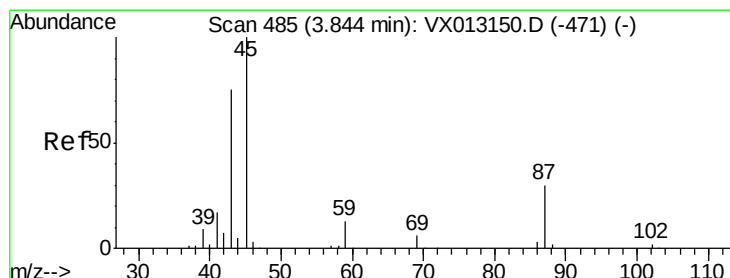
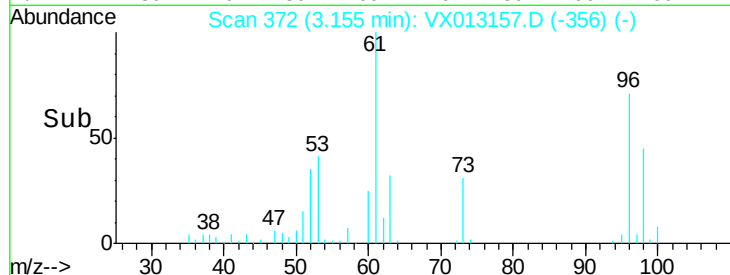
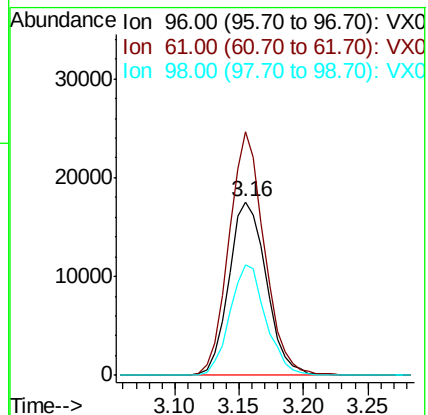
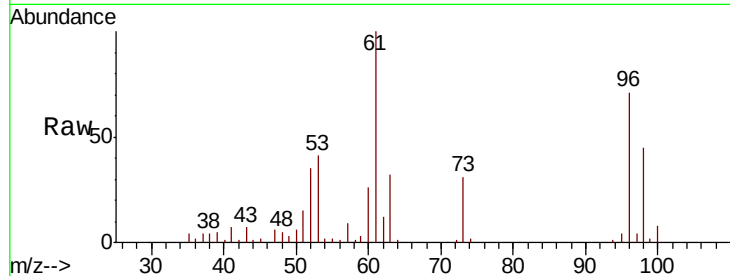
98 63.7 53.4 80.0

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#20

Diisopropyl ether

Concen: 19.508 ug/l

RT: 3.85 min Scan# 486

Delta R.T. 0.01 min

Lab File: VX013157.D

Acq: 21 Oct 2019 17:18

Tgt Ion: 45 Resp: 103120

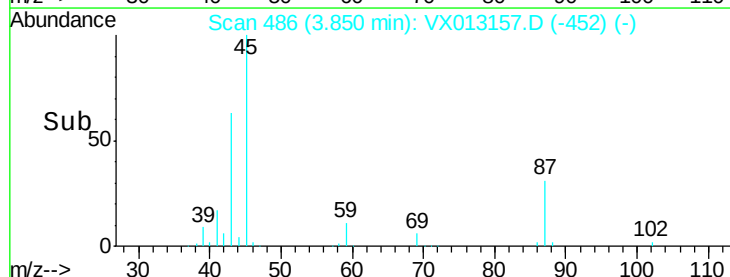
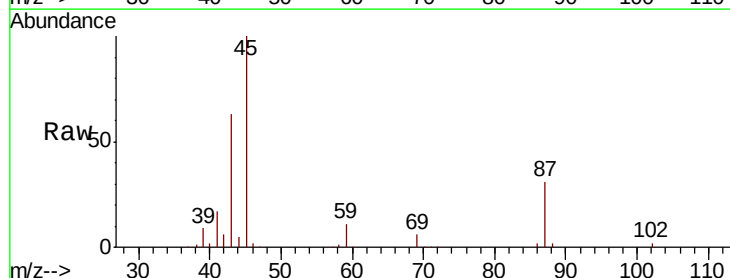
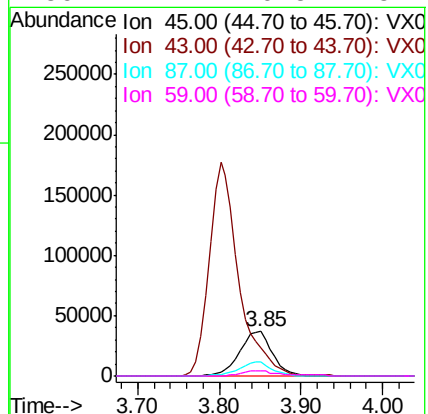
Ion Ratio Lower Upper

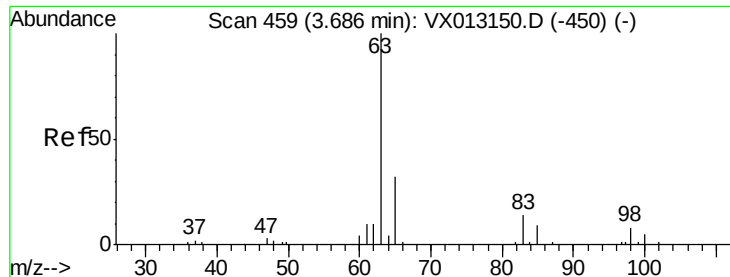
45 100

43 62.1 60.6 91.0

87 30.7 24.2 36.2

59 11.4 10.5 15.7





#21

1,1-Dichloroethane

Concen: 19.438 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX013157.D

Acq: 21 Oct 2019 17:18

Instrument :

MSVOA_X

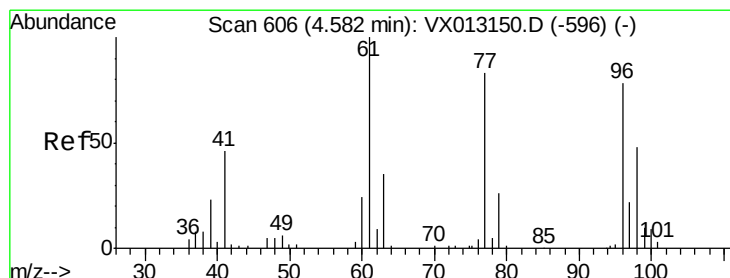
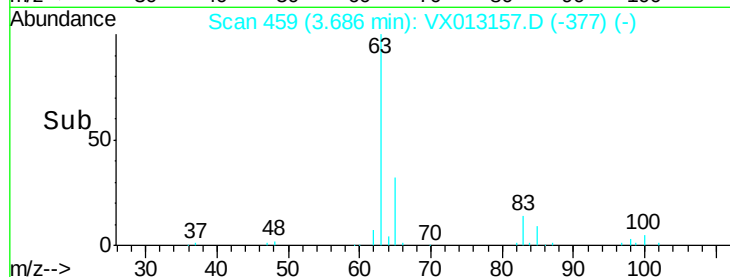
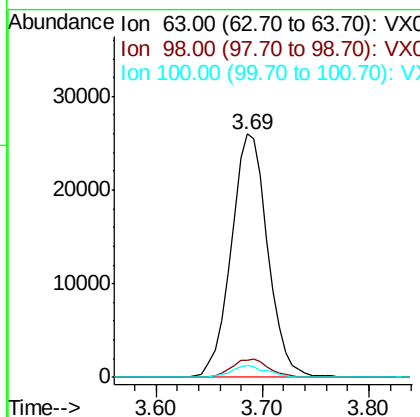
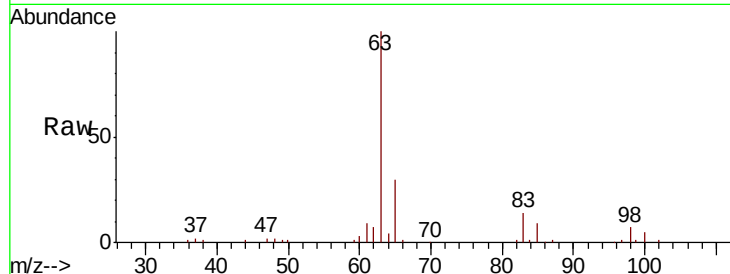
ClientSampleId :

VX1021WBSD01

Tot Ion:	63	Resp:	62388
Ion Ratio	Lower	Upper	
63	100		
98	6.9	4.2	12.4
100	5.0	2.4	7.2

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 19.150 ug/l

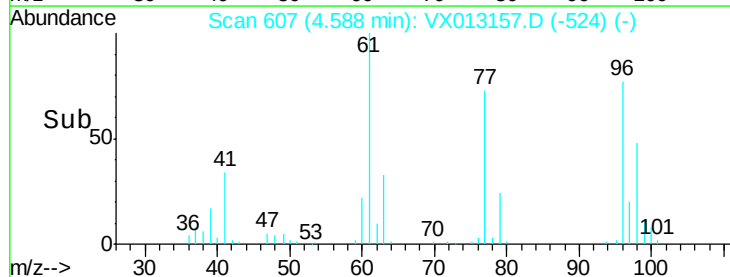
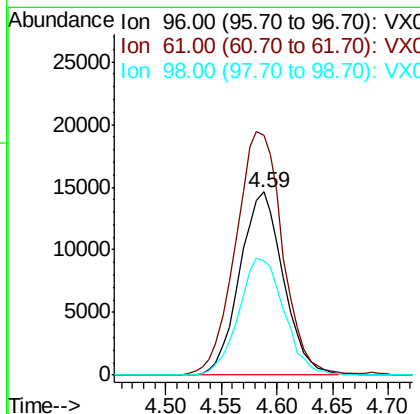
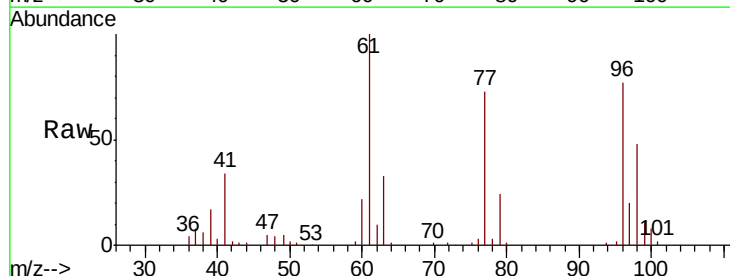
RT: 4.59 min Scan# 607

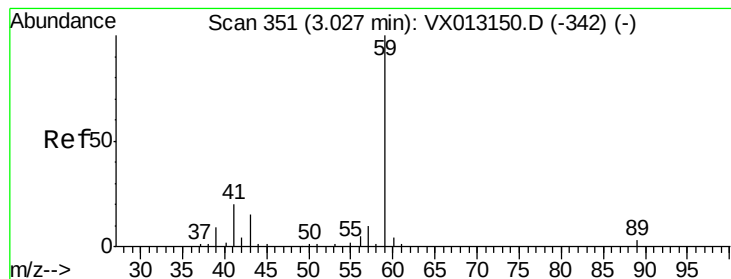
Delta R.T. 0.01 min

Lab File: VX013157.D

Acq: 21 Oct 2019 17:18

Tgt Ion:	96	Resp:	39814
Ion Ratio	Lower	Upper	
96	100		
61	143.3	112.5	168.7
98	66.1	51.2	76.8





#23

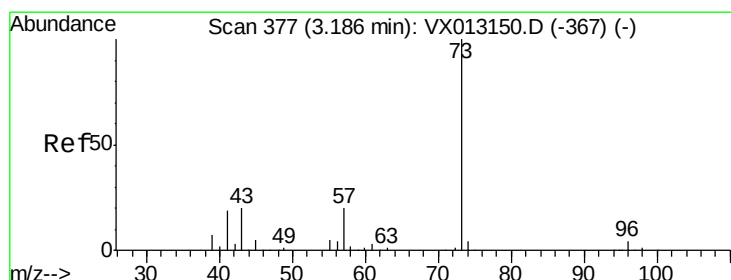
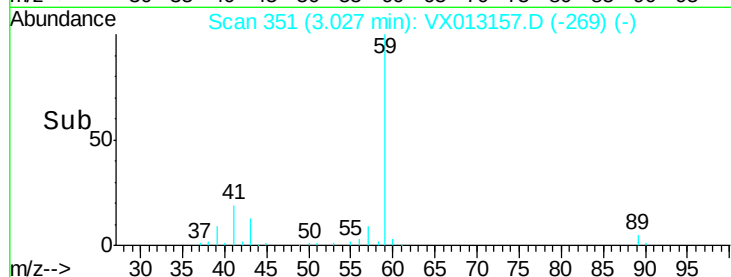
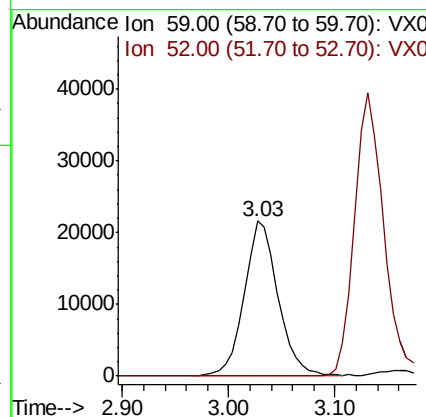
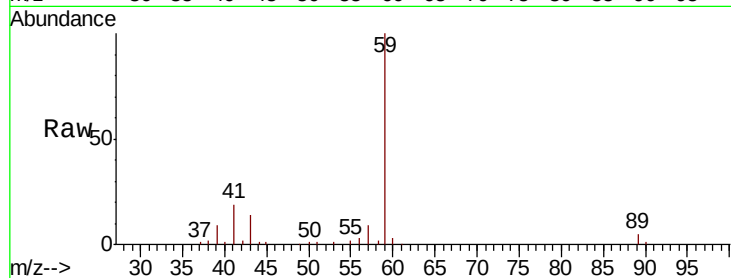
tert-Butyl Alcohol
 Concen: 98.964 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VX013157.D
 Acq: 21 Oct 2019 17:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1021WBSD01

Tot Ion	59	52
59	100	0.0
52	0.0	0.0

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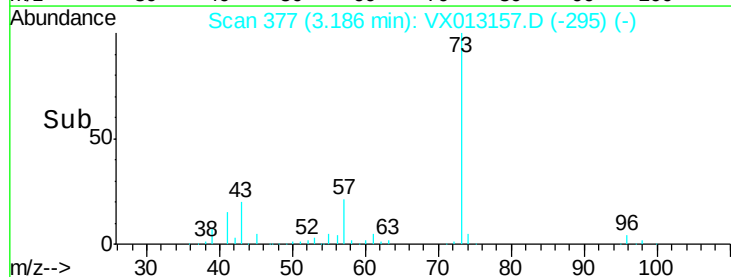
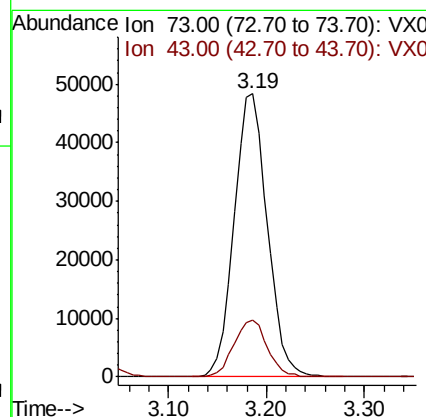
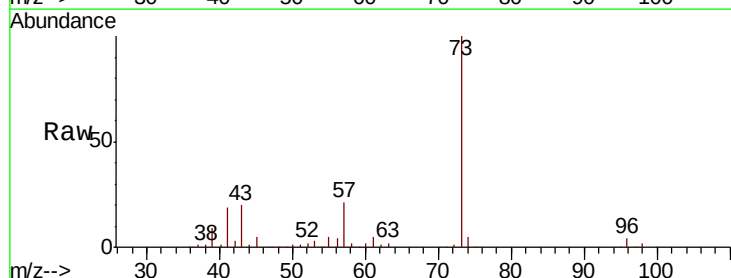
MMDadoda
 10/22/2019 12:32:02 PM

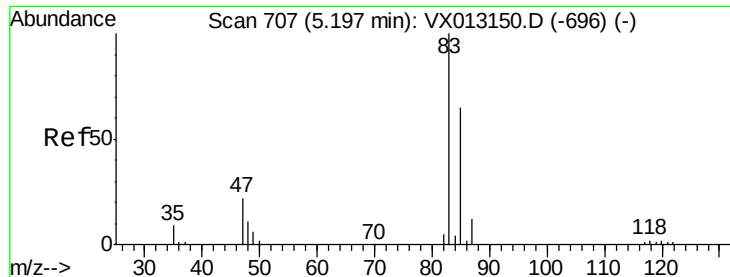


#24

Methyl tert-Butyl Ether
 Concen: 19.210 ug/l
 RT: 3.19 min Scan# 377
 Delta R.T. 0.00 min
 Lab File: VX013157.D
 Acq: 21 Oct 2019 17:18

Tgt Ion	73	43
73	100	20.3
43	20.3	17.1





#25

Chloroform

Concen: 19.298 ug/l

RT: 5.20 min Scan# 707

Delta R.T. 0.00 min

Lab File: VX013157.D

Acq: 21 Oct 2019 17:18

Instrument :

MSVOA_X

ClientSampleId :

VX1021WBSD01

Tot Ion: 83 Resp: 65087

Ion Ratio Lower Upper

83 100

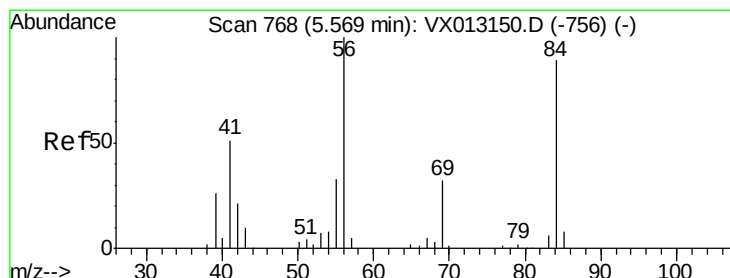
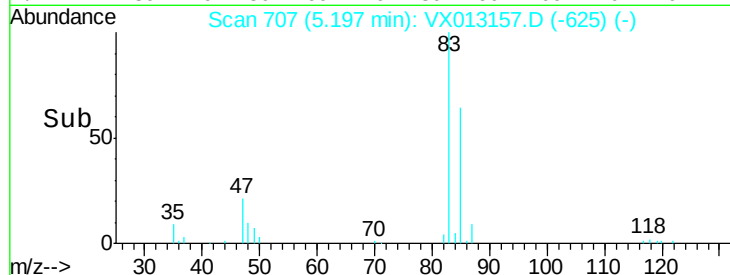
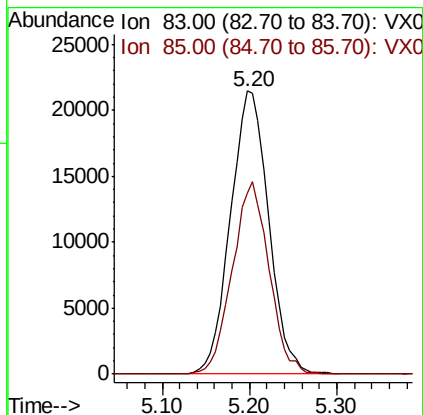
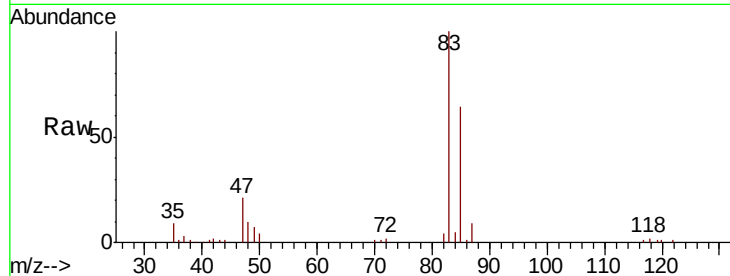
85 63.8 52.0 78.0

Manual Integrations

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#26

Cyclohexane

Concen: 18.707 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.01 min

Lab File: VX013157.D

Acq: 21 Oct 2019 17:18

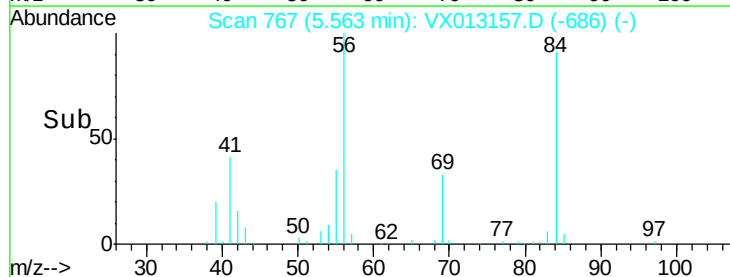
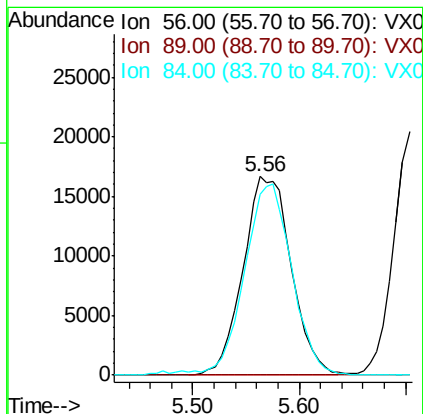
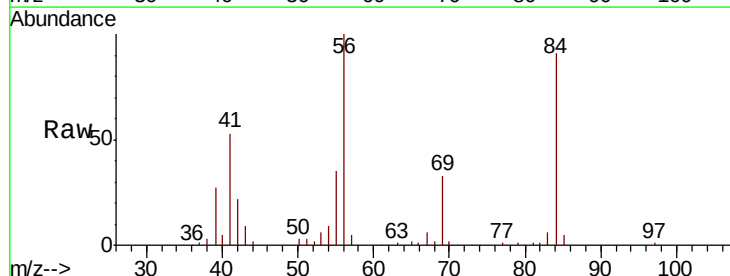
Tgt Ion: 56 Resp: 52681

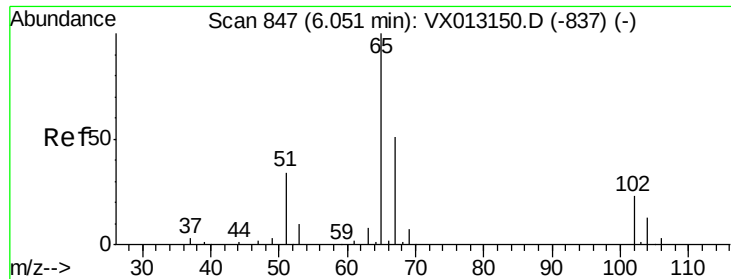
Ion Ratio Lower Upper

56 100

89 0.0 0.2 0.2#

84 93.8 74.0 111.0





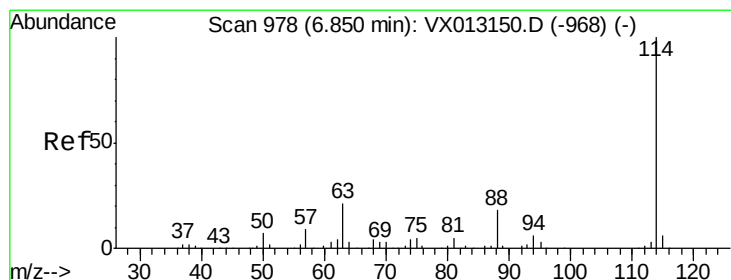
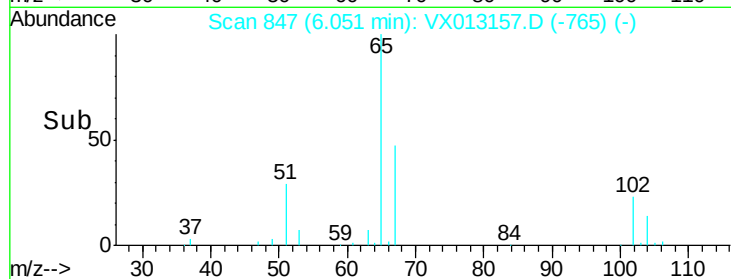
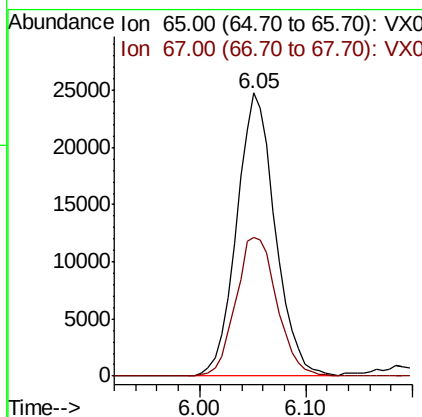
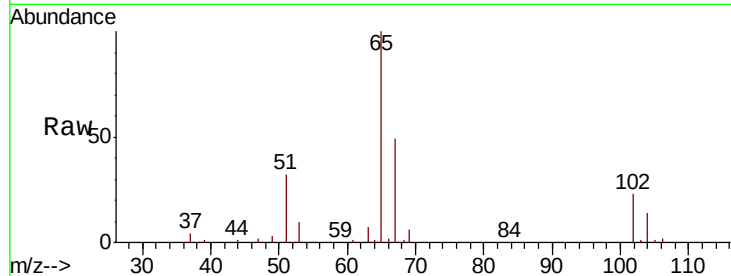
#27
 1,2-Dichloroethane-d4
 Concen: 28.512 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX013157.D
 Acq: 21 Oct 2019 17:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1021WBSD01

Tot Ion: 65 Resp: 62865
 Ion Ratio Lower Upper
 65 100
 67 52.5 42.2 63.4

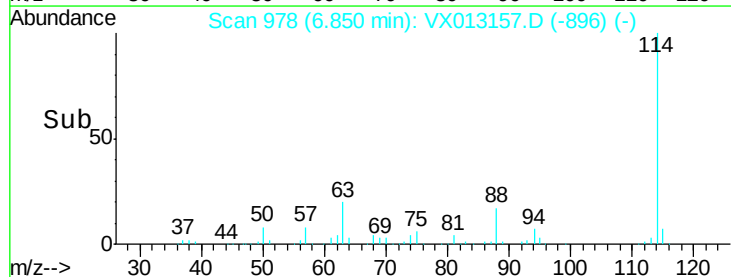
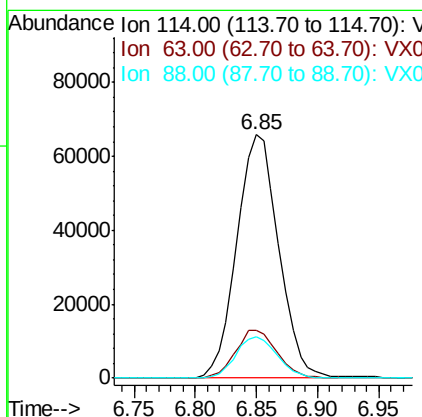
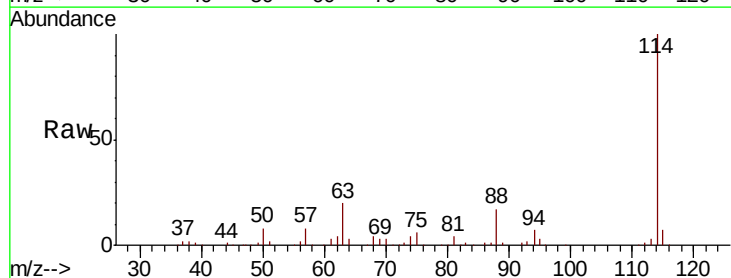
Manual Integrations
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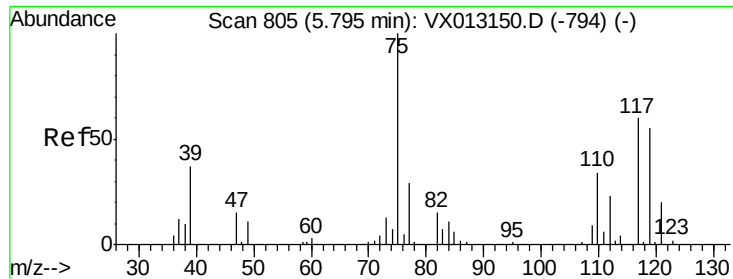
MMDadoda
 10/22/2019 12:32:02 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013157.D
 Acq: 21 Oct 2019 17:18

Tgt Ion: 114 Resp: 156852
 Ion Ratio Lower Upper
 114 100
 63 19.6 16.1 24.1
 88 17.0 13.7 20.5





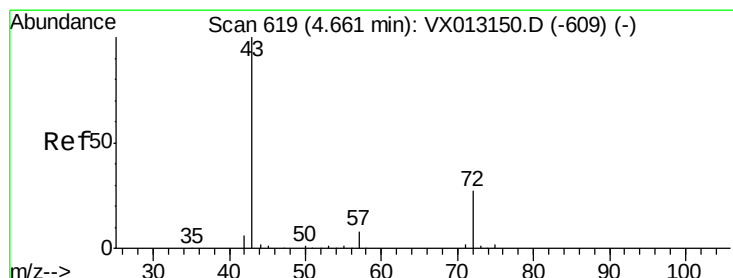
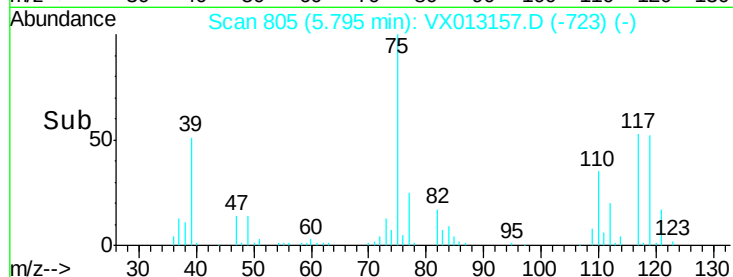
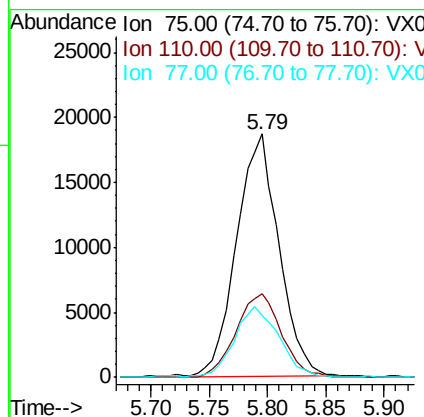
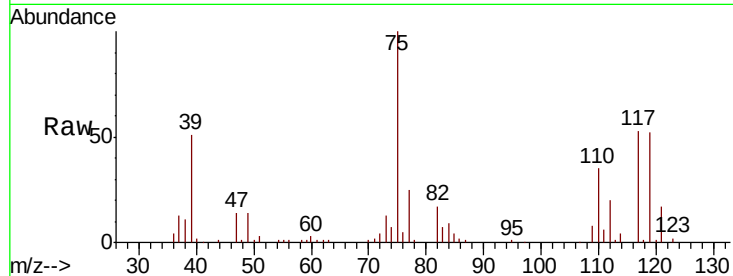
#29
 1,1-Dichloropropene
 Concen: 19.451 ug/l
 RT: 5.79 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX013157.D
 Acq: 21 Oct 2019 17:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1021WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
110	36.9	0.0	68.4
77	30.7	0.0	30.8

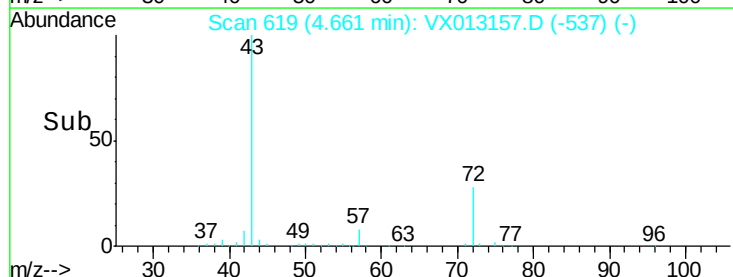
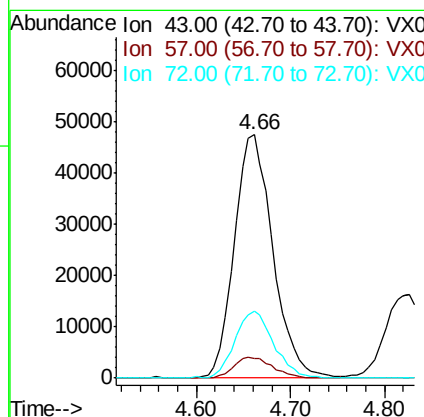
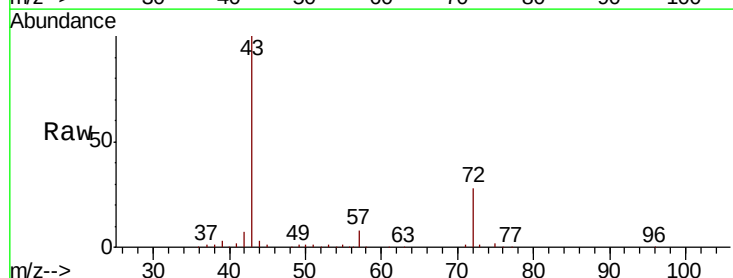
Manual Integrations
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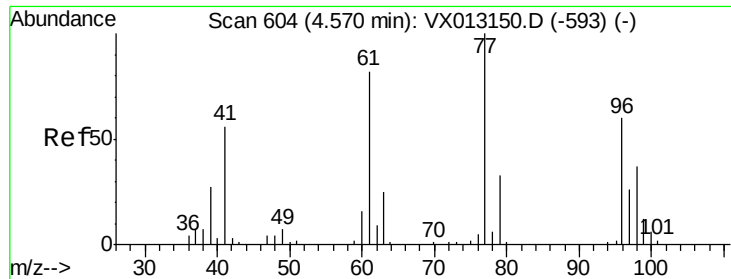
MMDadoda
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#30
 2-Butanone
 Concen: 105.813 ug/l
 RT: 4.66 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VX013157.D
 Acq: 21 Oct 2019 17:18

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.7	7.0	10.6
72	27.7	23.4	35.2





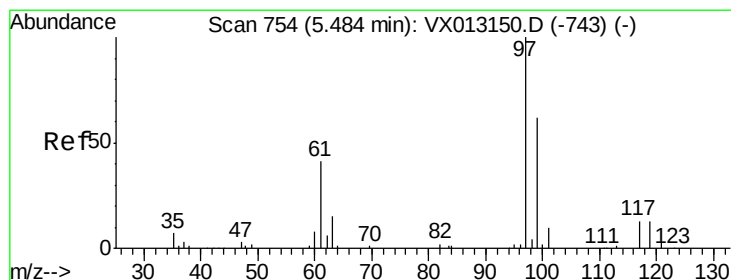
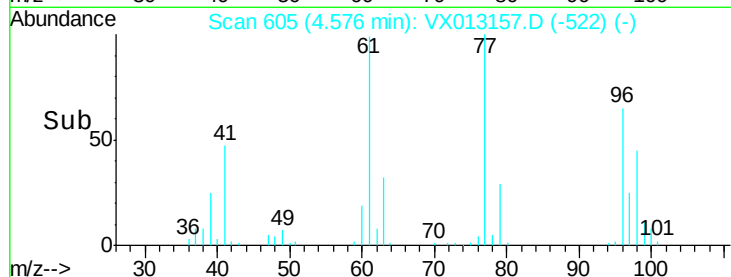
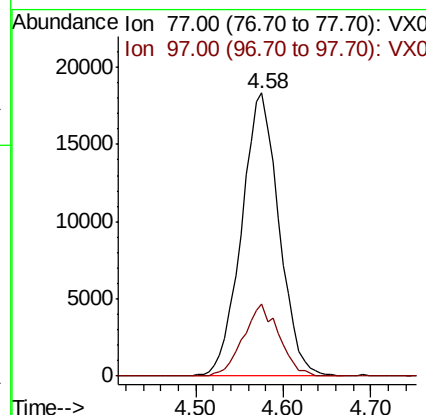
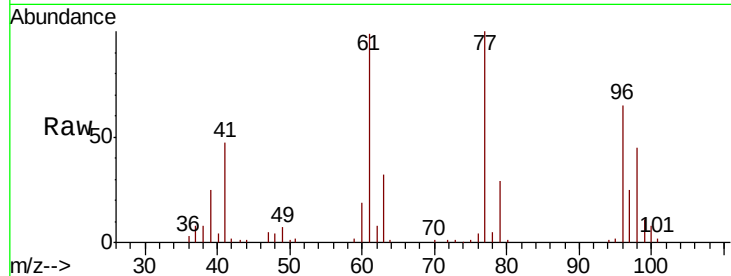
#31
 2,2-Dichloropropane
 Concen: 19.352 ug/l
 RT: 4.58 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: VX013157.D
 Acq: 21 Oct 2019 17:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1021WBSD01

Tot Ion: 77 Resp: 54517
 Ion Ratio Lower Upper
 77 100
 97 24.2 19.1 28.7

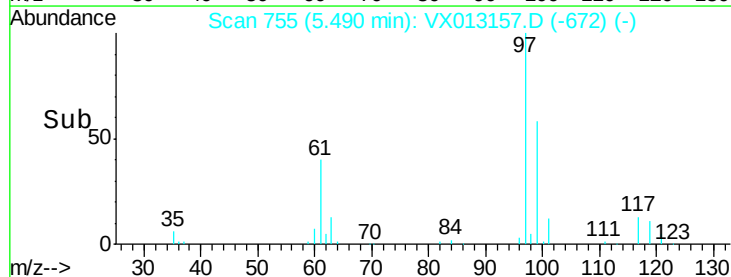
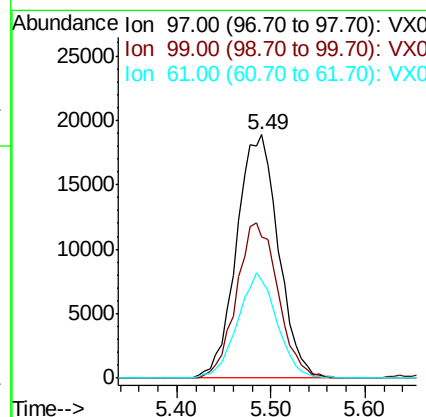
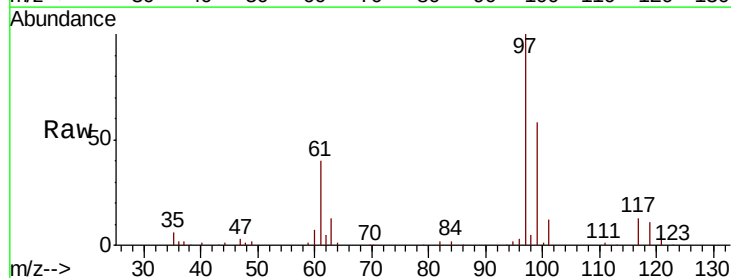
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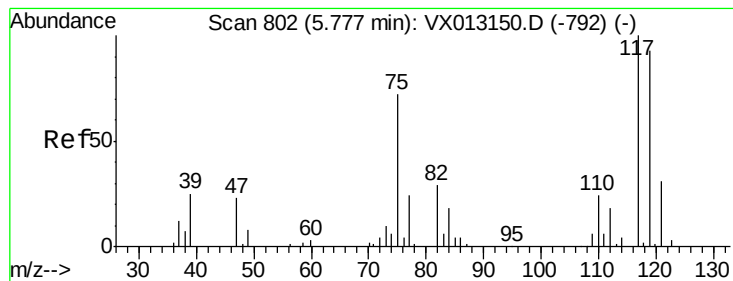
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#32
 1,1,1-Trichloroethane
 Concen: 19.836 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.01 min
 Lab File: VX013157.D
 Acq: 21 Oct 2019 17:18

Tgt Ion: 97 Resp: 58488
 Ion Ratio Lower Upper
 97 100
 99 63.3 51.8 77.8
 61 40.6 33.5 50.3





#33

Carbon Tetrachloride

Concen: 18.959 ug/l

RT: 5.78 min Scan# 802

Delta R.T. 0.00 min

Lab File: VX013157.D

Acq: 21 Oct 2019 17:18

Instrument :

MSVOA_X

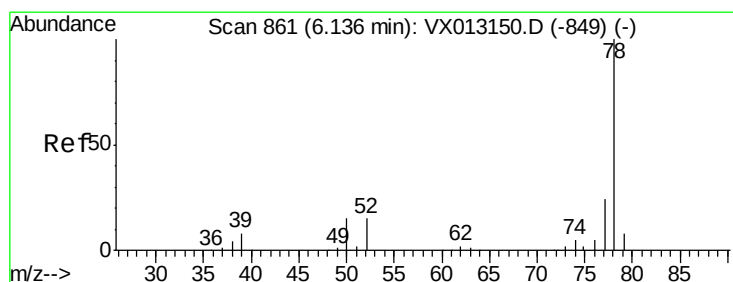
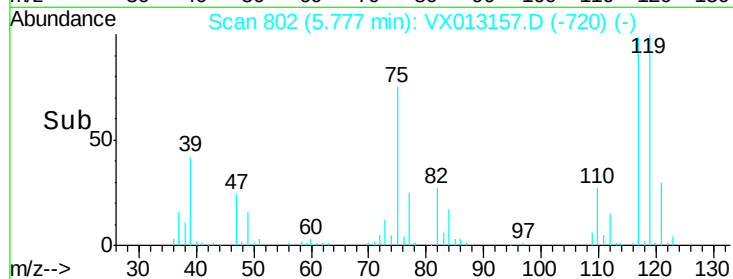
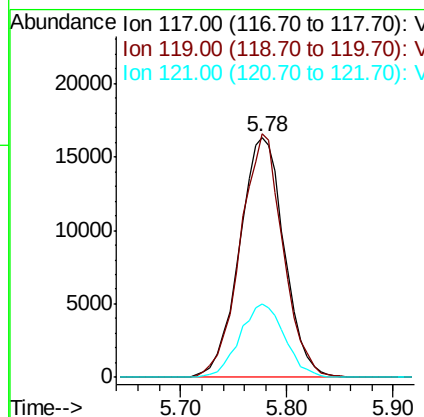
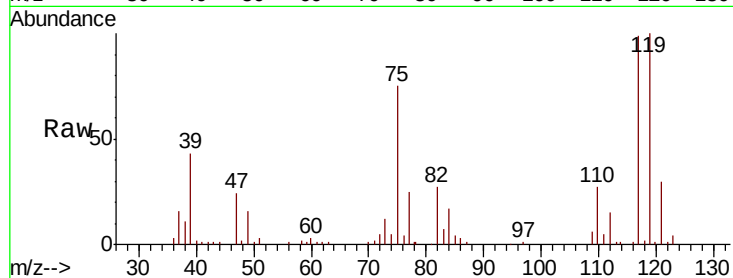
ClientSampleId :

VX1021WBSD01

Tot Ion:	117	Resp:	48046
Ion	Ratio	Lower	Upper
117	100		
119	101.5	74.9	112.3
121	30.7	25.0	37.4

Manual Integrations
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#34

Benzene

Concen: 20.152 ug/l

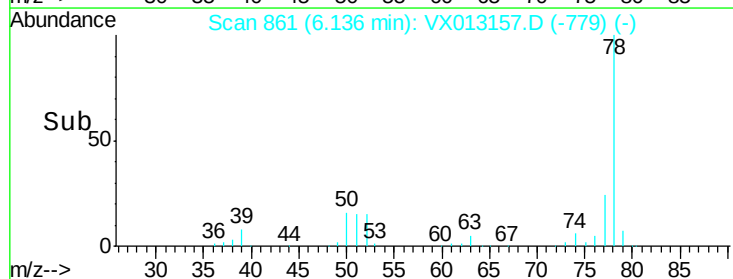
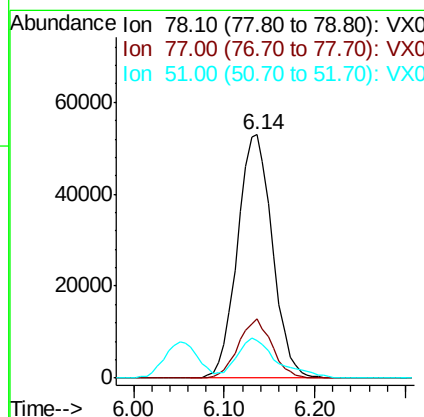
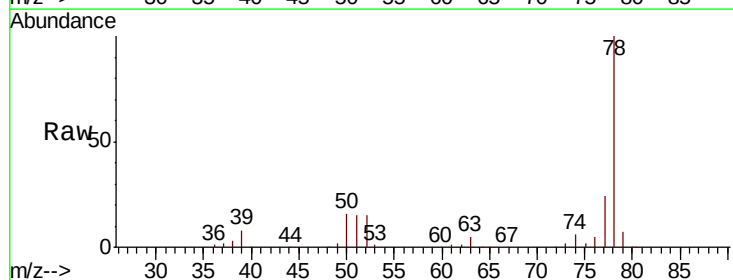
RT: 6.14 min Scan# 861

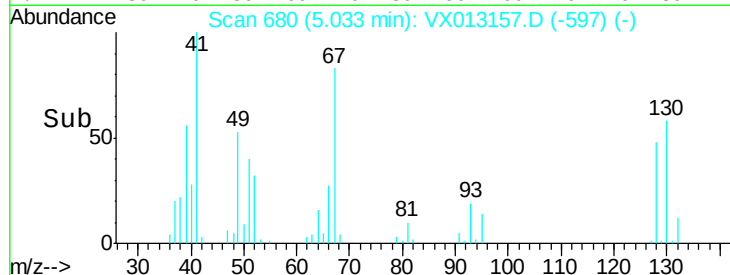
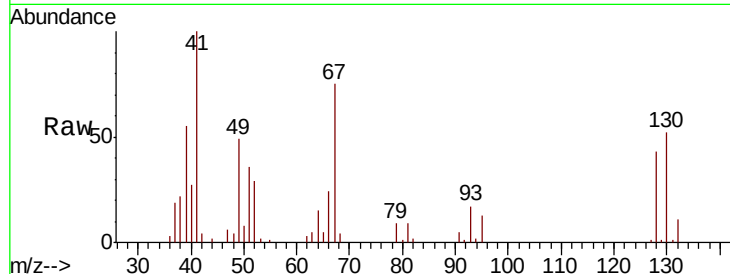
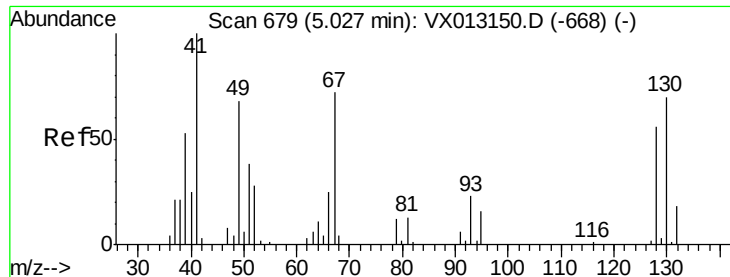
Delta R.T. 0.00 min

Lab File: VX013157.D

Acq: 21 Oct 2019 17:18

Tgt Ion:	78	Resp:	141368
Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.3	28.9
51	14.8	11.4	17.2





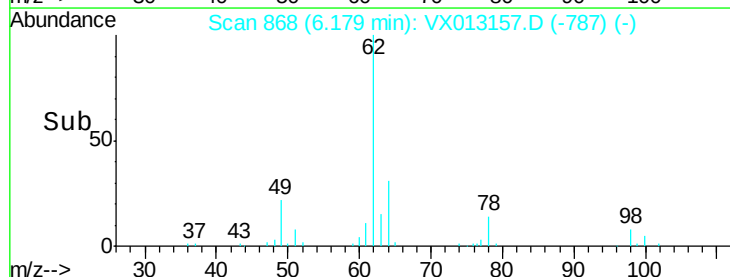
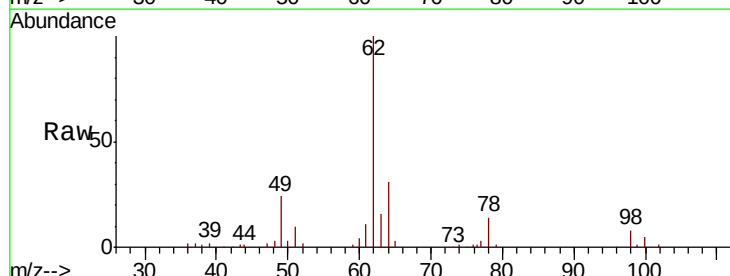
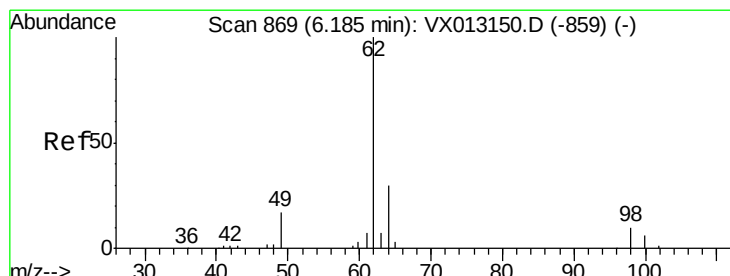
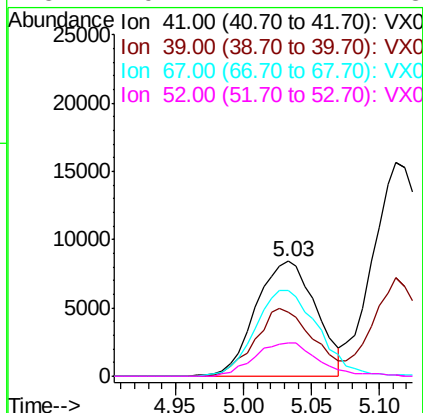
#35
Methacrylonitrile
Concen: 19.914 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX013157.D
Acq: 21 Oct 2019 17:18

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.3	26.3	78.9
67	75.1	35.8	107.4
52	29.2	14.1	42.3

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

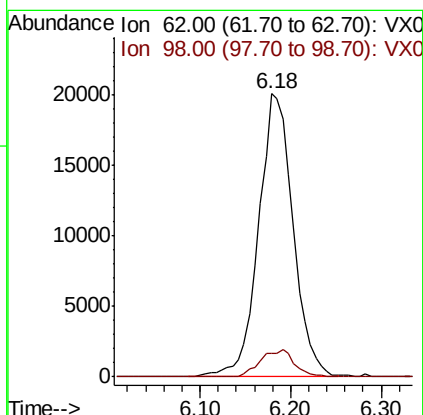
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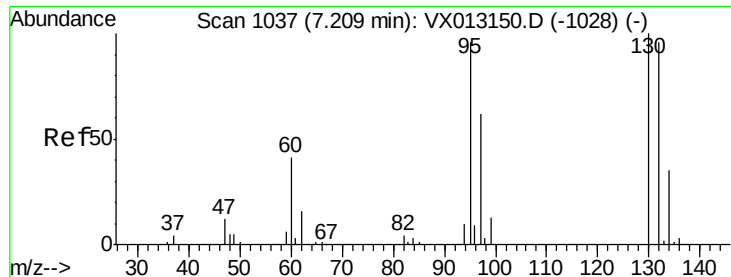
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#36
1,2-Dichloroethane
Concen: 20.020 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.01 min
Lab File: VX013157.D
Acq: 21 Oct 2019 17:18

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.1	8.0	12.0#





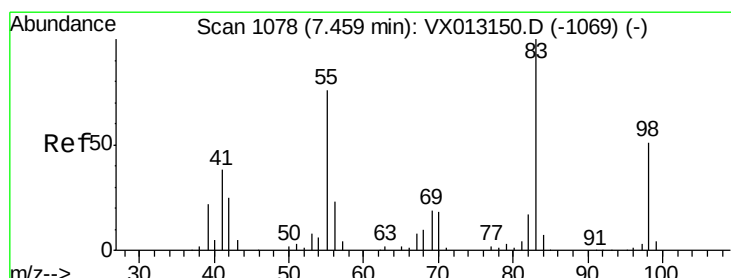
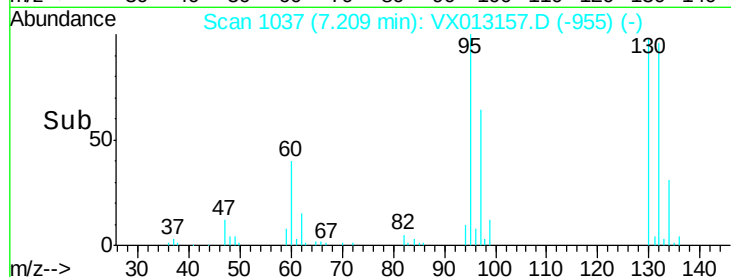
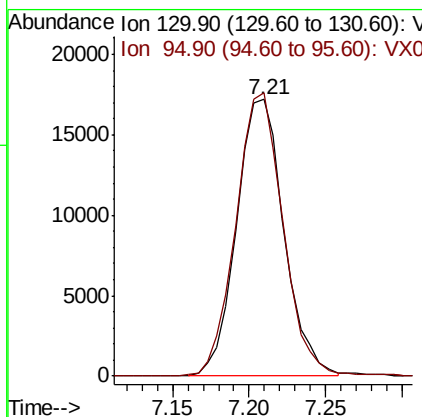
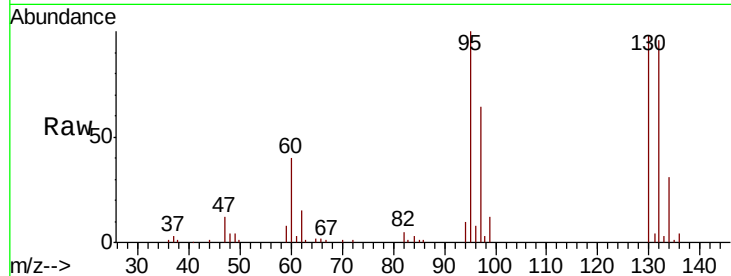
#37
 Trichloroethene
 Concen: 19.057 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VX013157.D
 Acq: 21 Oct 2019 17:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1021WBSD01

Tot Ion:130 Resp: 37080
 Ion Ratio Lower Upper
 130 100
 95 101.7 77.0 115.6

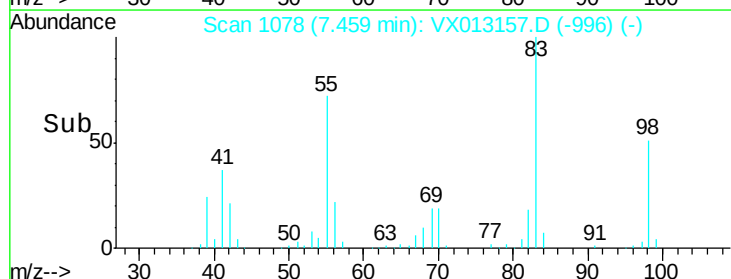
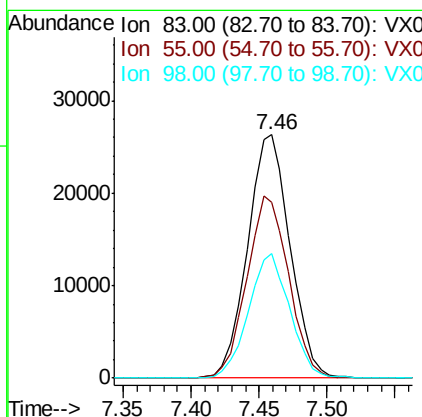
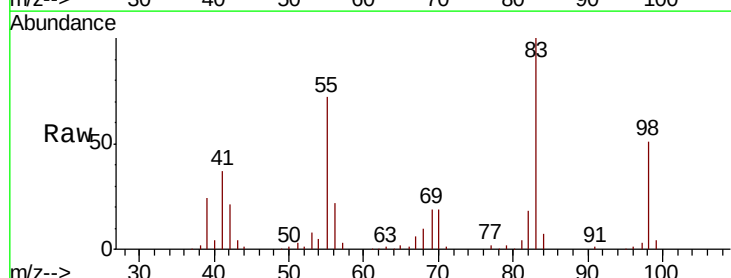
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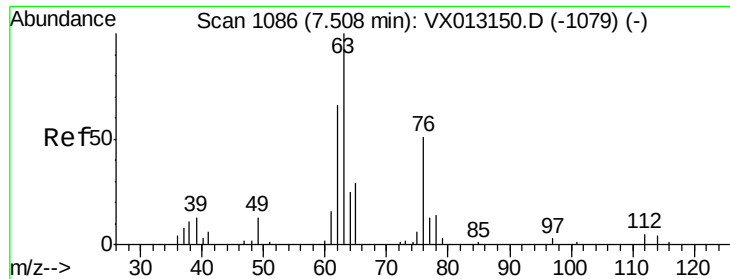
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#38
 Methylcyclohexane
 Concen: 19.366 ug/l
 RT: 7.46 min Scan# 1078
 Delta R.T. 0.00 min
 Lab File: VX013157.D
 Acq: 21 Oct 2019 17:18

Tgt Ion: 83 Resp: 57551
 Ion Ratio Lower Upper
 83 100
 55 73.7 37.5 112.5
 98 49.8 25.4 76.0





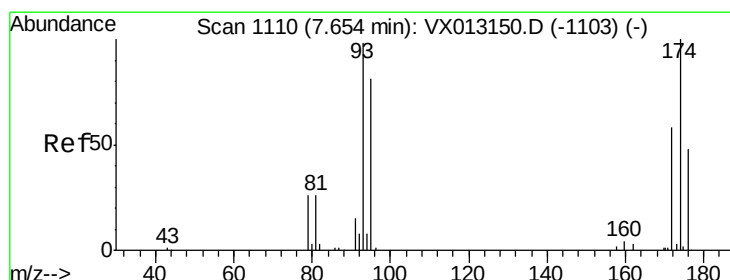
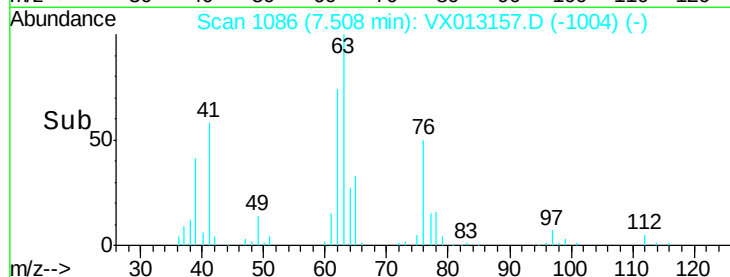
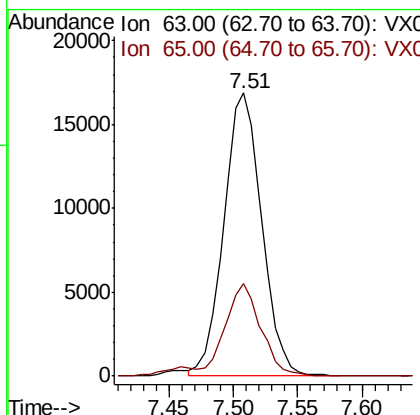
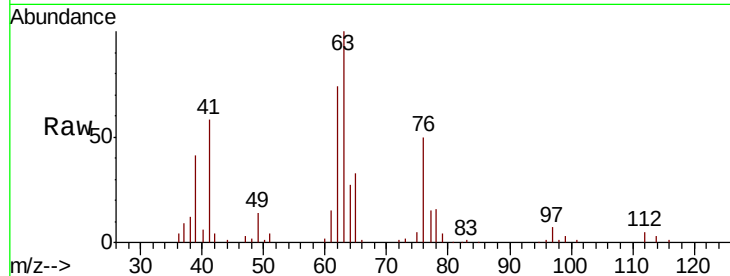
#39
 1,2-Dichloropropane
 Concen: 20.194 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX013157.D
 Acq: 21 Oct 2019 17:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1021WBSD01

Tot Ion: 63 Resp: 34770
 Ion Ratio Lower Upper
 63 100
 65 32.6 24.8 37.2

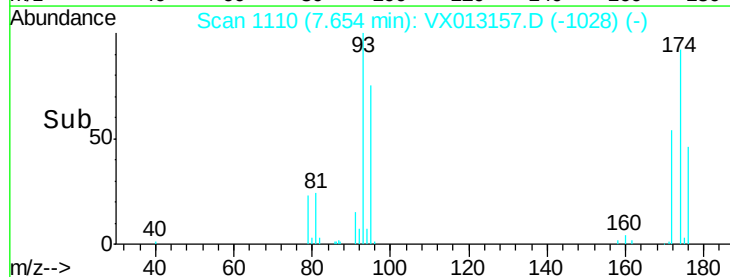
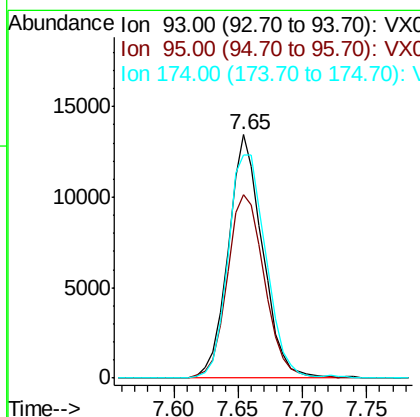
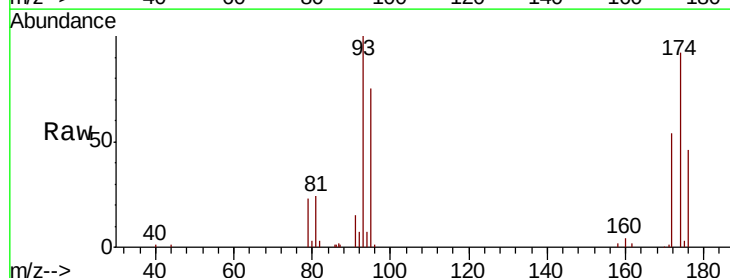
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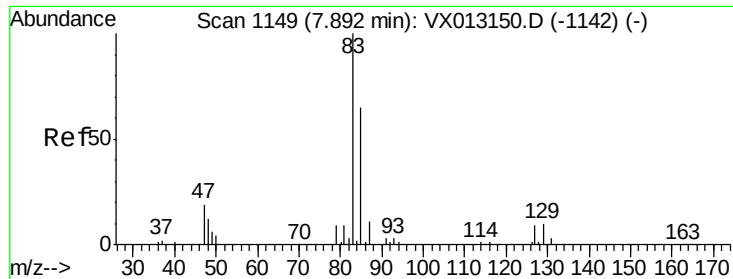
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#40
 Dibromomethane
 Concen: 20.241 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX013157.D
 Acq: 21 Oct 2019 17:18

Tgt Ion: 93 Resp: 24894
 Ion Ratio Lower Upper
 93 100
 95 81.3 0.0 166.0
 174 101.2 0.0 208.8





#41

Bromodichloromethane

Concen: 19.143 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX013157.D

Acq: 21 Oct 2019 17:18

Instrument :

MSVOA_X

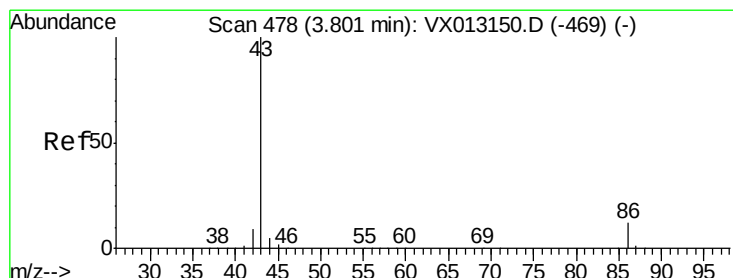
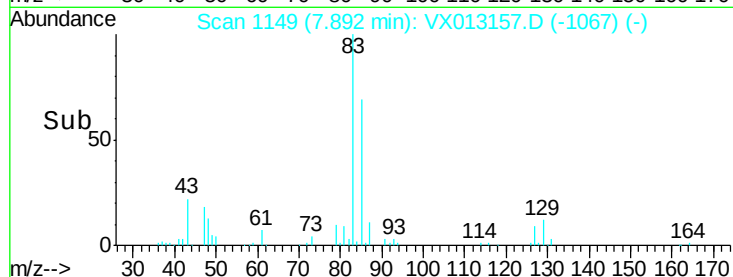
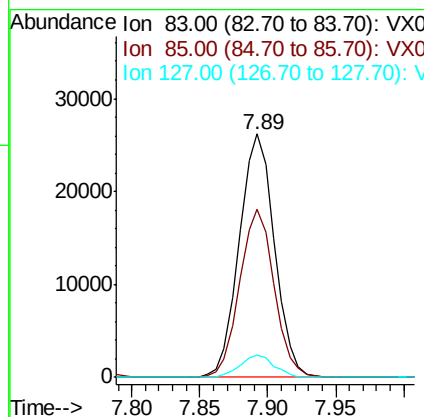
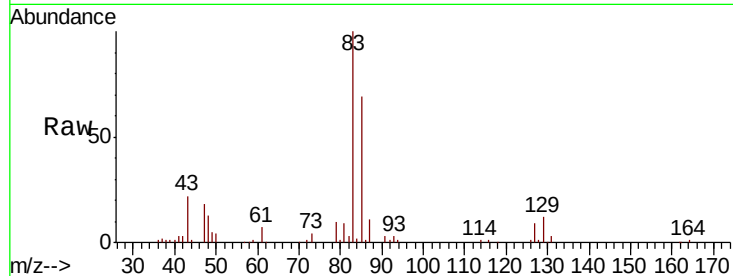
ClientSampleId :

VX1021WBSD01

Tot Ion:	83	Resp:	47472
Ion Ratio	Lower	Upper	
83	100		
85	69.0	52.1	78.1
127	8.9	7.5	11.3

Manual Integrations
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#42

Vinyl Acetate

Concen: 101.765 ug/l

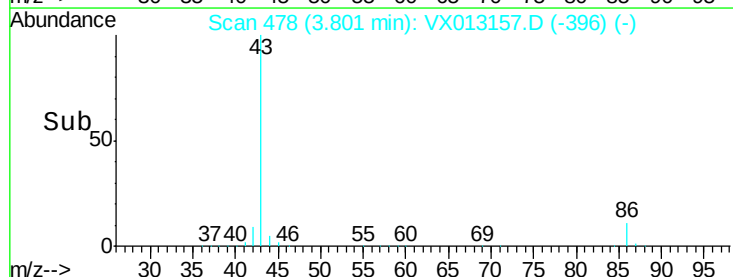
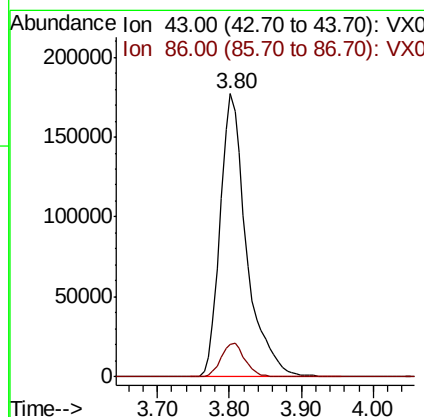
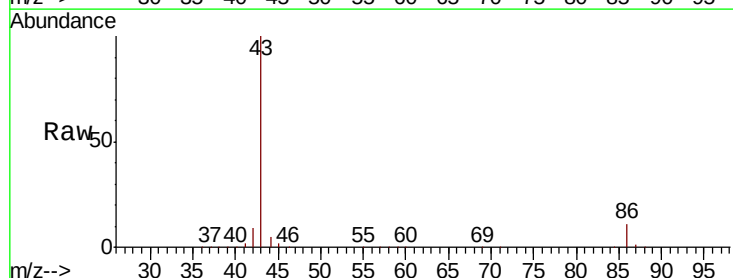
RT: 3.80 min Scan# 478

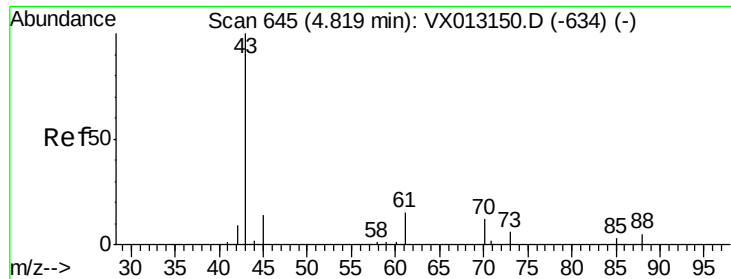
Delta R.T. 0.00 min

Lab File: VX013157.D

Acq: 21 Oct 2019 17:18

Tgt Ion:	43	Resp:	451055
Ion Ratio	Lower	Upper	
43	100		
86	10.7	8.6	12.8





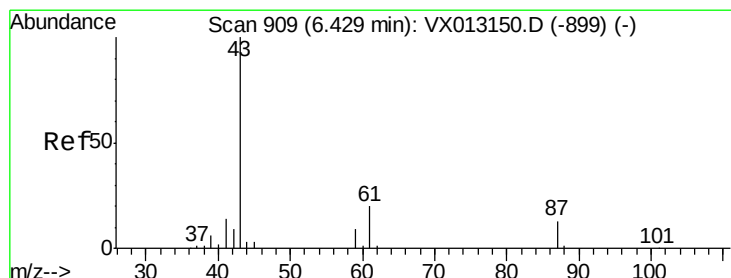
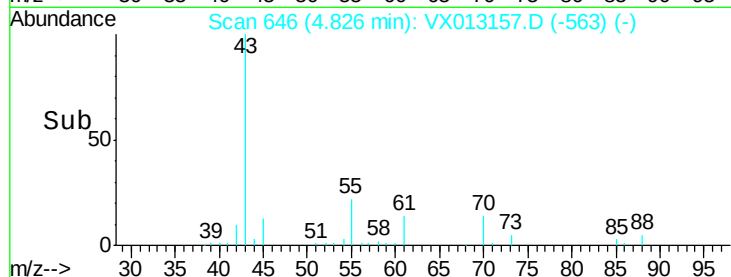
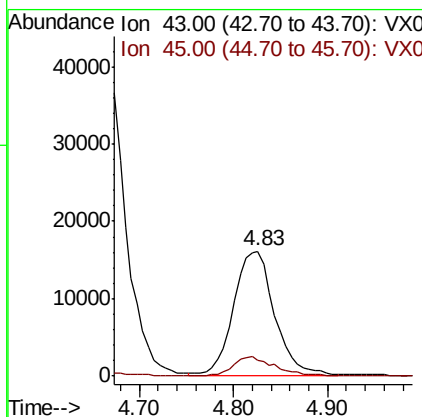
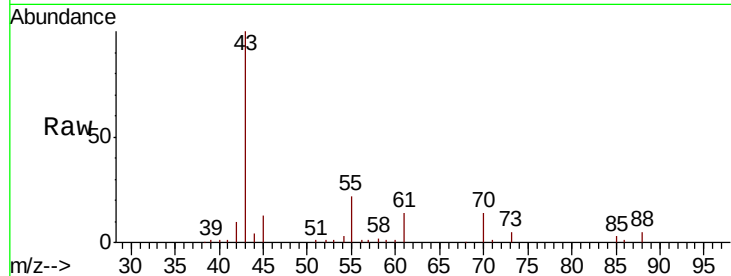
#43
Ethyl Acetate
Concen: 20.854 ug/l
RT: 4.83 min Scan# 646
Delta R.T. 0.01 min
Lab File: VX013157.D
Acq: 21 Oct 2019 17:18

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Tot Ion	43	Ratio	Lower	Upper
43	100			
45	15.5	12.6	18.8	

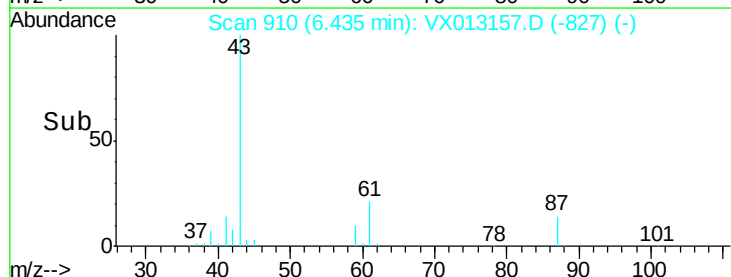
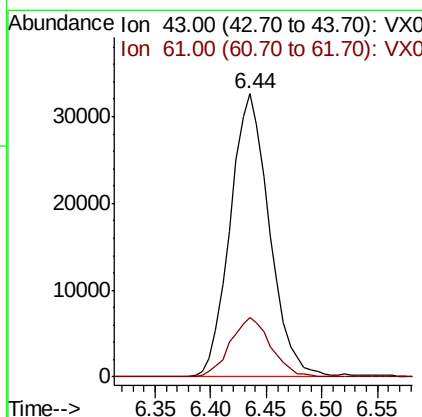
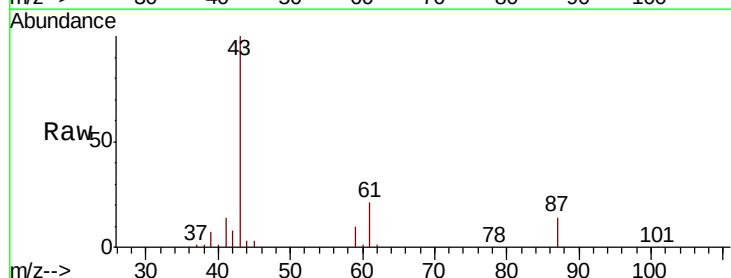
Manual Integrations
APPROVED

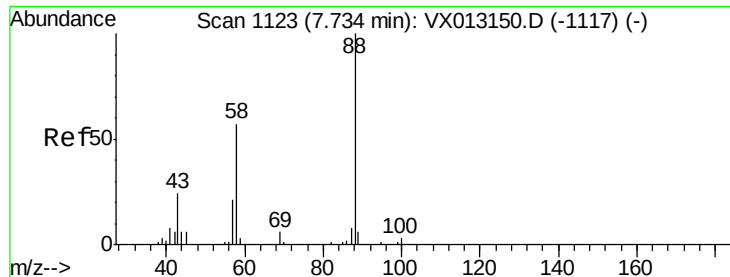
MMDadoda
10/22/2019 12:32:02 PM



#44
Isopropyl Acetate
Concen: 20.350 ug/l
RT: 6.44 min Scan# 910
Delta R.T. 0.01 min
Lab File: VX013157.D
Acq: 21 Oct 2019 17:18

Tgt Ion	43	Ratio	Lower	Upper
43	100			
61	21.6	16.8	25.2	





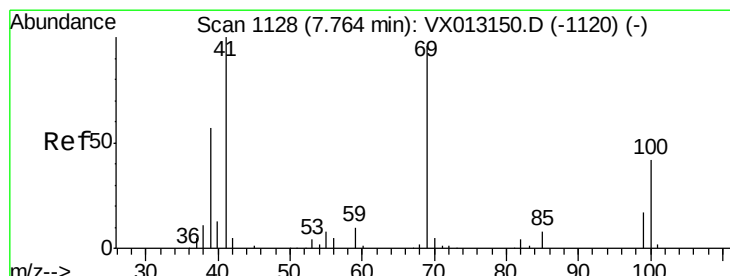
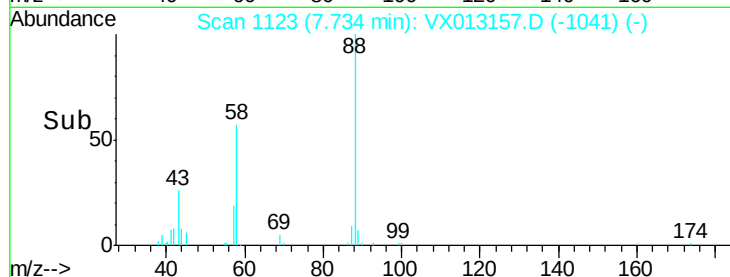
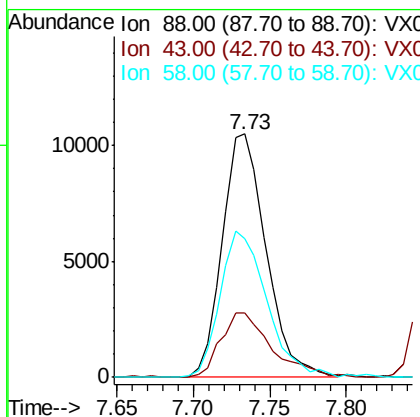
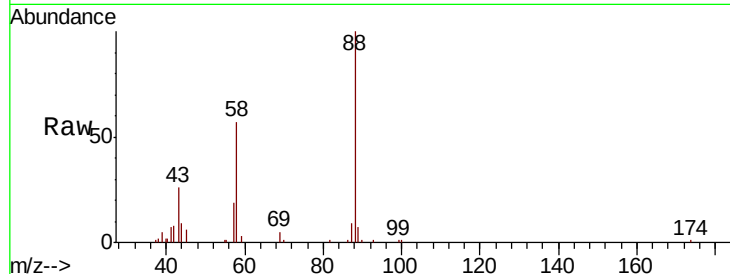
#45
1,4-Dioxane
Concen: 420.950 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX013157.D
Acq: 21 Oct 2019 17:18

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.5	24.0	36.0
58	62.8	52.8	79.2

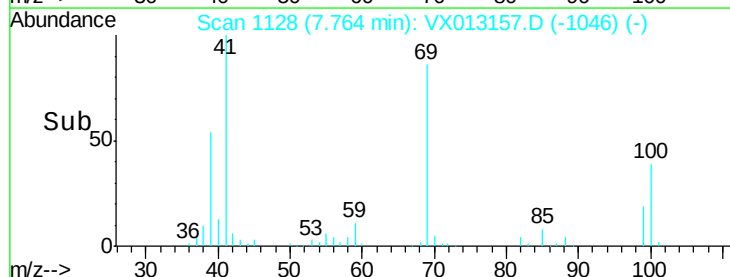
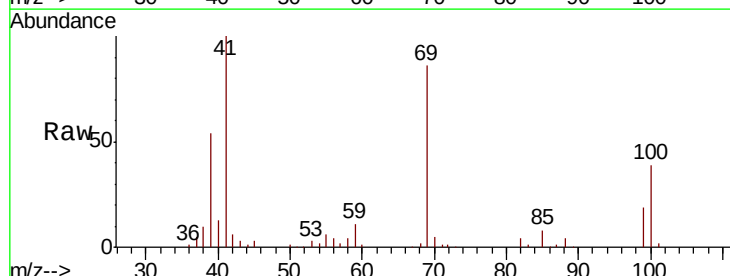
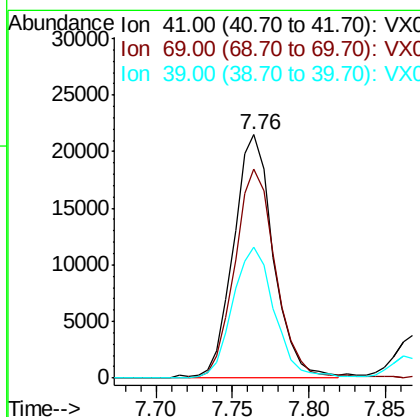
Manual Integrations
APPROVED

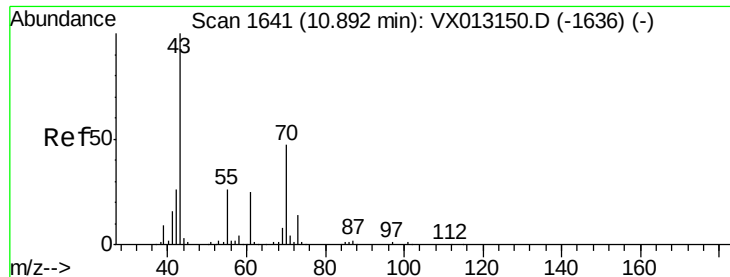
MMDadoda
10/22/2019 12:32:02 PM



#46
Methyl methacrylate
Concen: 20.166 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX013157.D
Acq: 21 Oct 2019 17:18

Tgt Ion	Ratio	Lower	Upper
41	100		
69	86.4	47.8	143.3
39	54.2	28.5	85.5





#47

n-amvl Acetate

Concen: 19.481 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX013157.D

Acq: 21 Oct 2019 17:18

Instrument :

MSVOA_X

ClientSampleId :

VX1021WBSD01

Tot Ion: 43 Resp: 64340

Ion Ratio Lower Upper

43 100

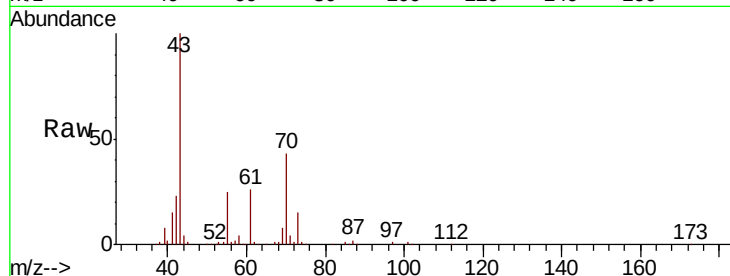
55 26.0 20.9 31.3

Manual Integrations

APPROVED

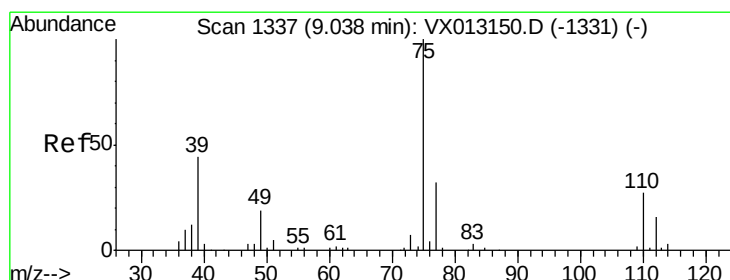
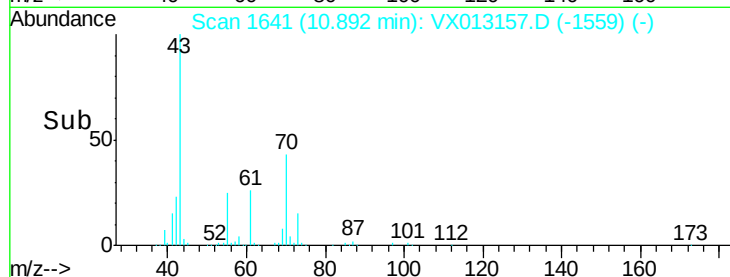
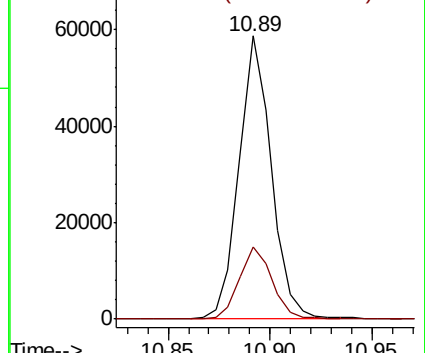
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#48

t-1,3-Dichloropropene

Concen: 19.396 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX013157.D

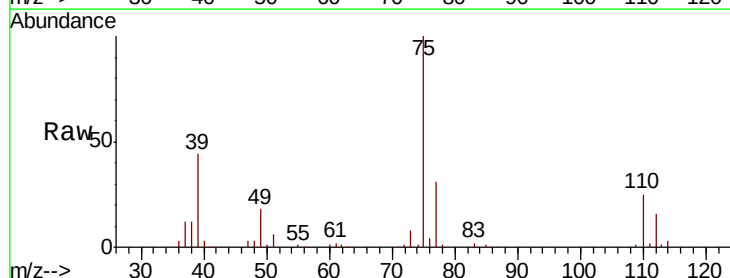
Acq: 21 Oct 2019 17:18

Tgt Ion: 75 Resp: 52762

Ion Ratio Lower Upper

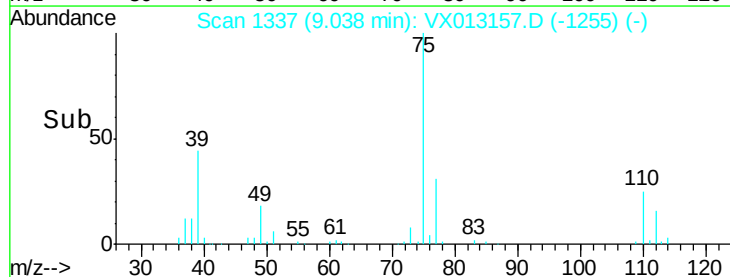
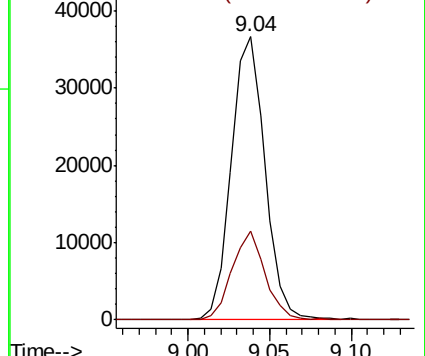
75 100

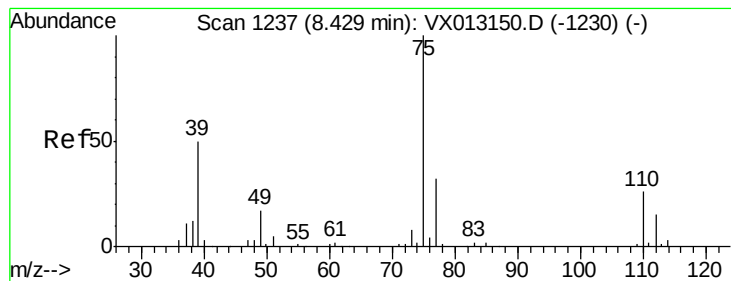
77 31.5 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#49

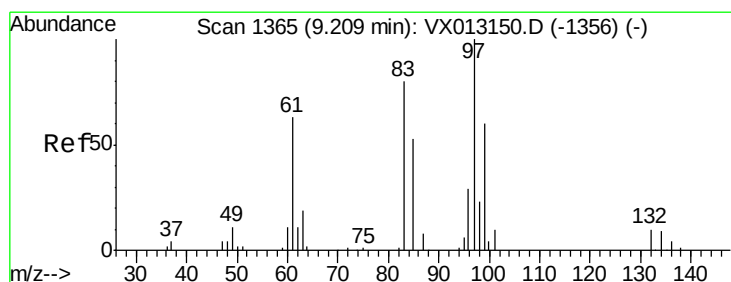
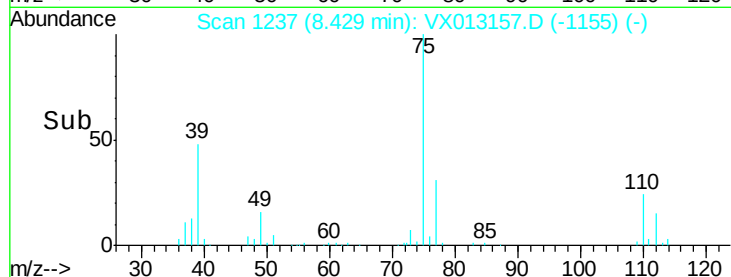
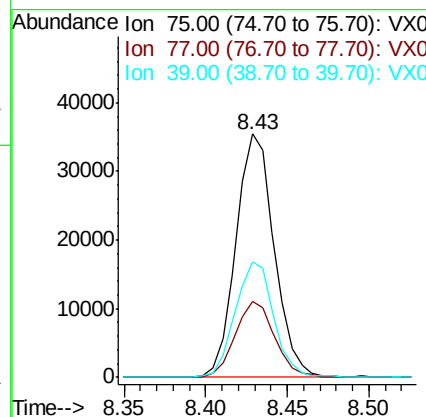
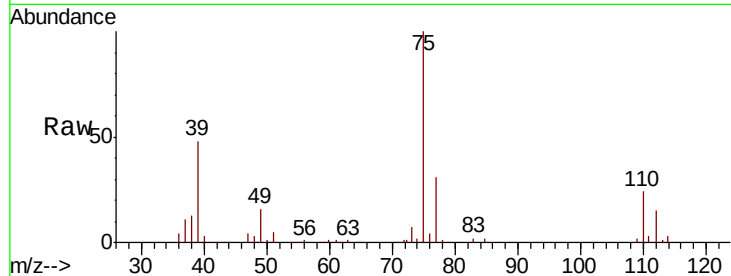
cis-1,3-Dichloropropene
 Concen: 19.569 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX013157.D
 Acq: 21 Oct 2019 17:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1021WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.8	38.8
39	47.3	39.7	59.5

Manual Integrations
 APPROVED

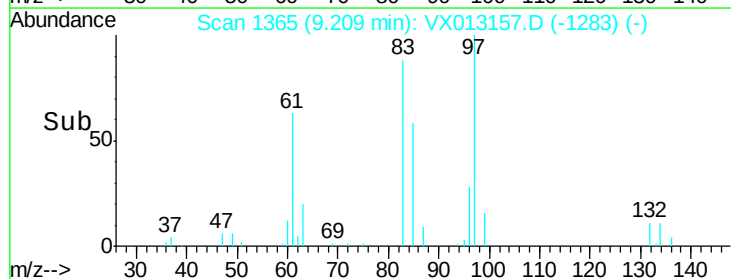
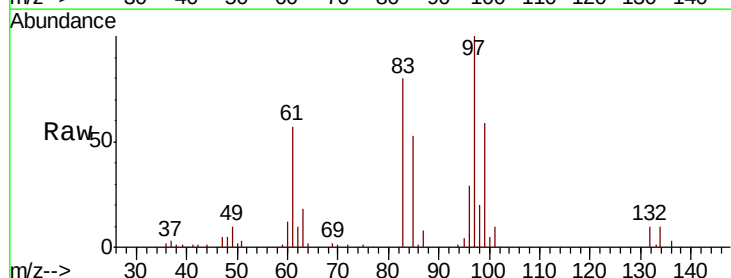
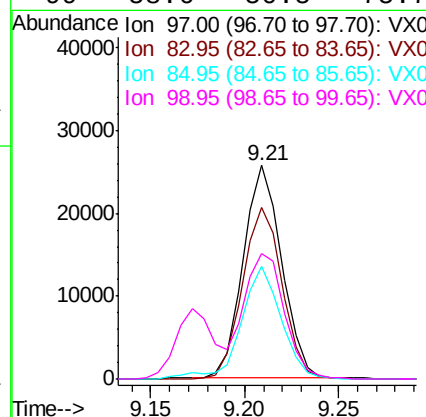
MMDadoda
 10/22/2019 12:32:02 PM

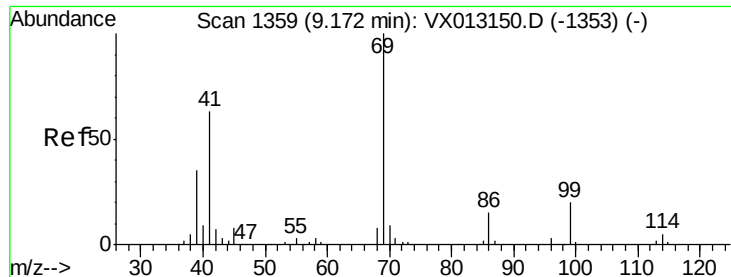


#50

1,1,2-Trichloroethane
 Concen: 20.111 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX013157.D
 Acq: 21 Oct 2019 17:18

Tgt Ion	Ratio	Lower	Upper
97	100		
83	80.6	64.2	96.4
85	52.9	42.7	64.1
99	58.6	50.5	75.7





#51

Ethyl methacrylate

Concen: 20.022 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX013157.D

Acq: 21 Oct 2019 17:18

Instrument :

MSVOA_X

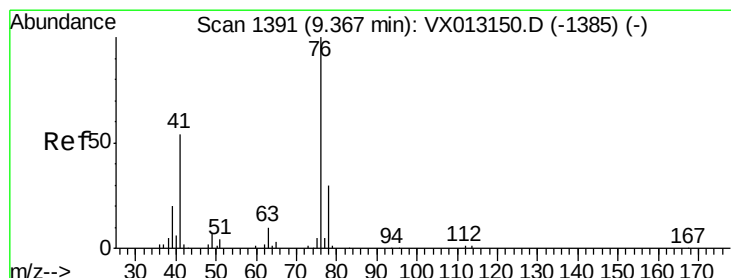
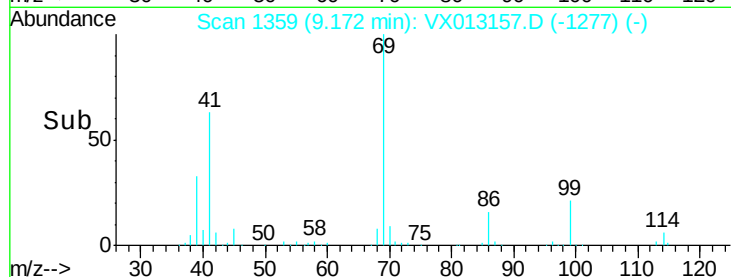
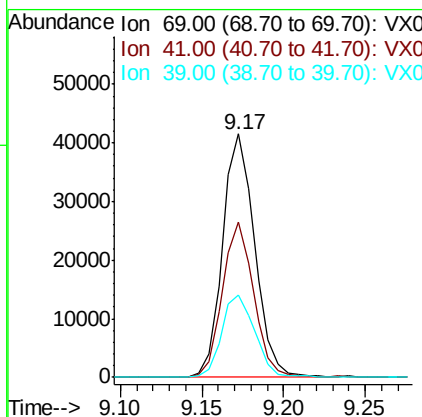
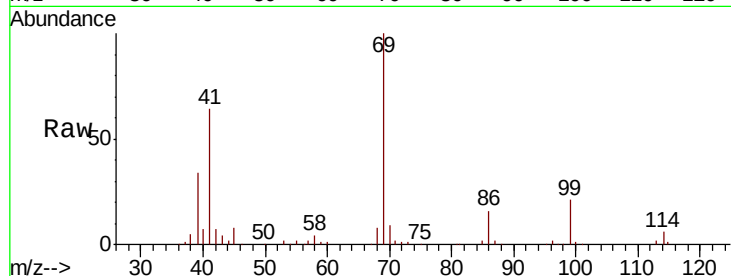
ClientSampleId :

VX1021WBSD01

Tot Ion:	69	Resp:	57019
Ion Ratio	Lower	Upper	
69	100		
41	63.4	31.6	95.0
39	33.6	17.7	53.1

Manual Integrations
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10/22/2019 12:32:02 PM



#52

1,3-Dichloropropane

Concen: 20.358 ug/l

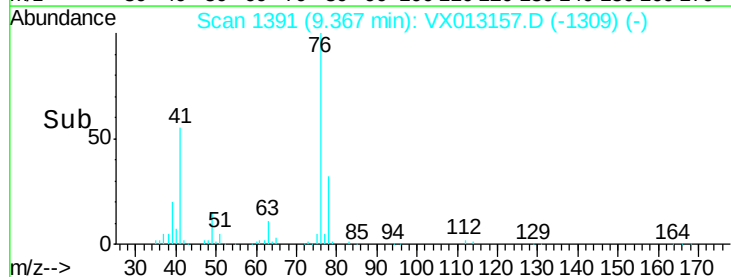
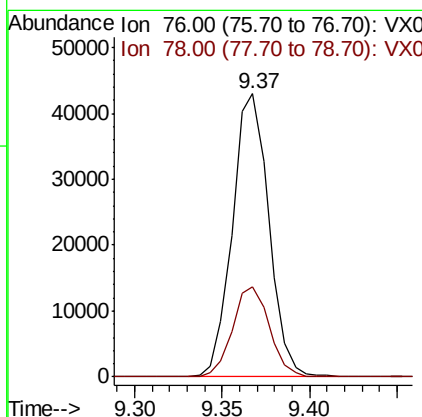
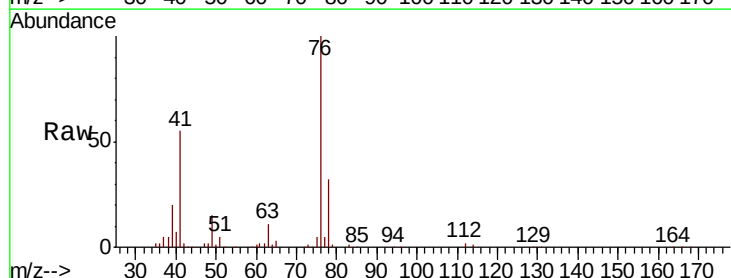
RT: 9.37 min Scan# 1391

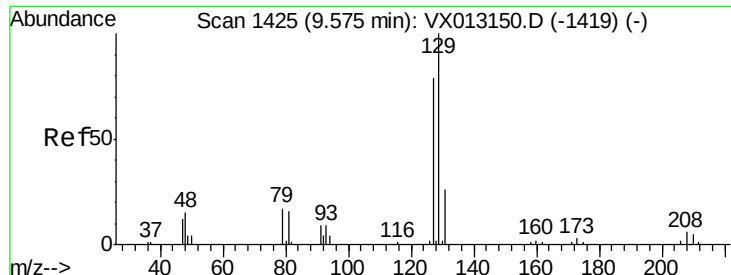
Delta R.T. 0.00 min

Lab File: VX013157.D

Acq: 21 Oct 2019 17:18

Tgt Ion:	76	Resp:	62267
Ion Ratio	Lower	Upper	
76	100		
78	32.3	0.0	64.6





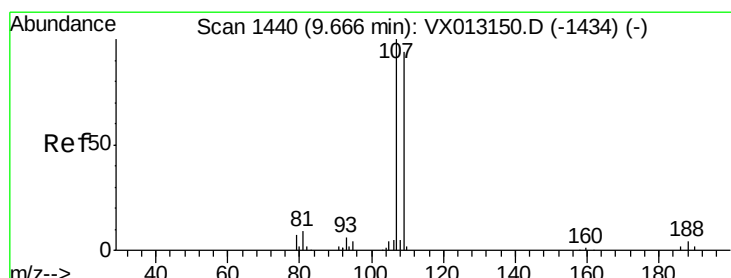
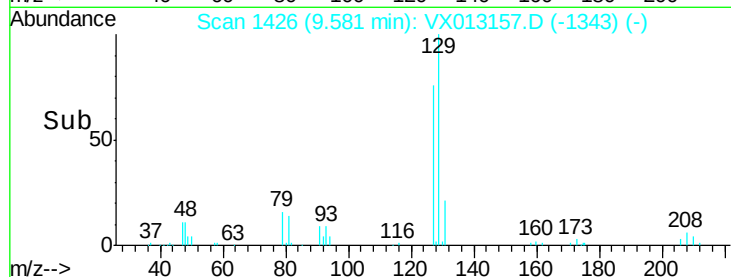
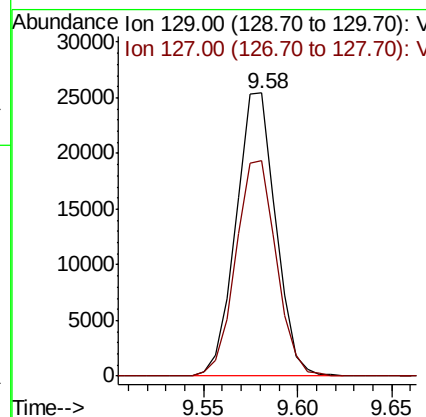
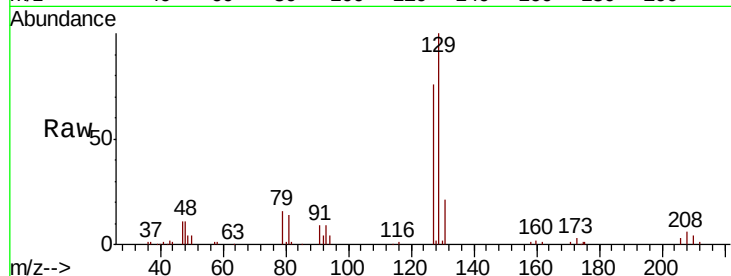
#53
Dibromochloromethane
Concen: 19.013 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.01 min
Lab File: VX013157.D
Acq: 21 Oct 2019 17:18

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Tot Ion:129 Resp: 37249
Ion Ratio Lower Upper
129 100
127 77.6 39.4 118.2

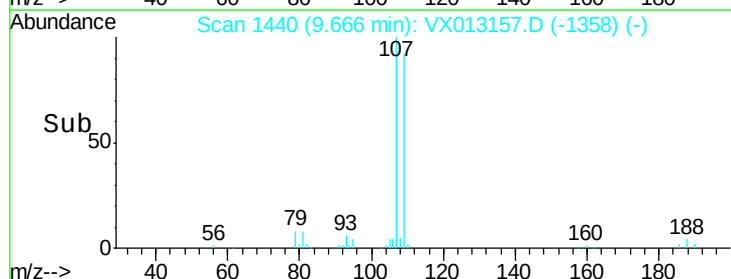
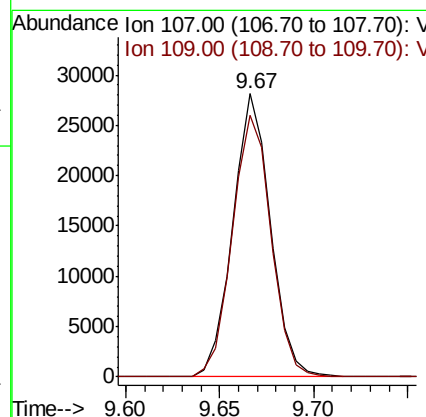
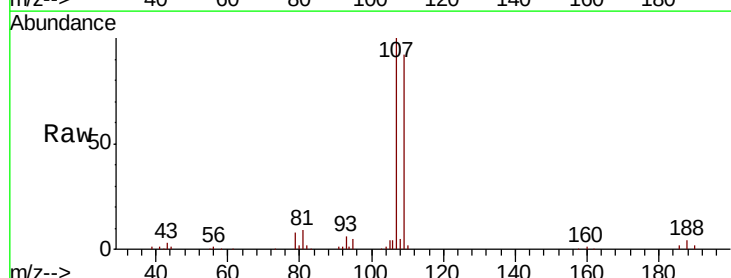
Manual Integrations
APPROVED

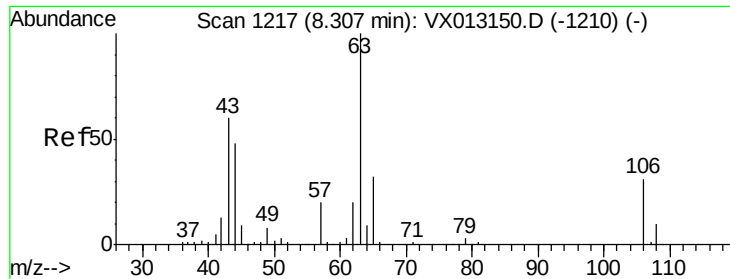
MMDadoda
10/22/2019 12:32:02 PM



#54
1,2-Dibromoethane
Concen: 20.046 ug/l
RT: 9.67 min Scan# 1440
Delta R.T. 0.00 min
Lab File: VX013157.D
Acq: 21 Oct 2019 17:18

Tgt Ion:107 Resp: 38929
Ion Ratio Lower Upper
107 100
109 95.0 75.4 113.0





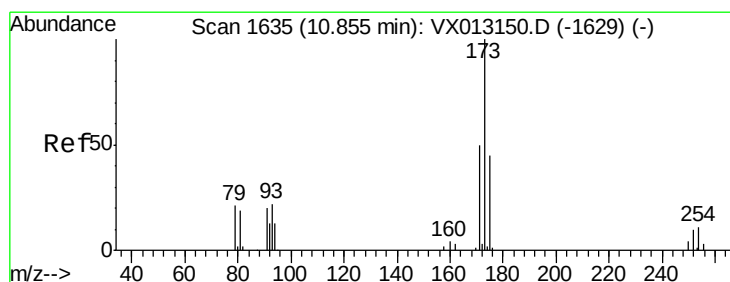
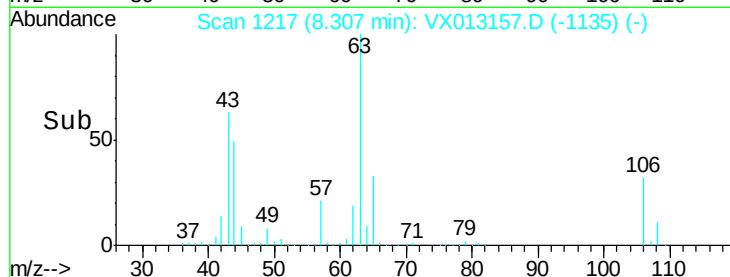
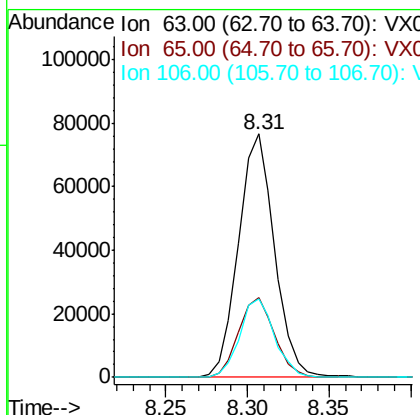
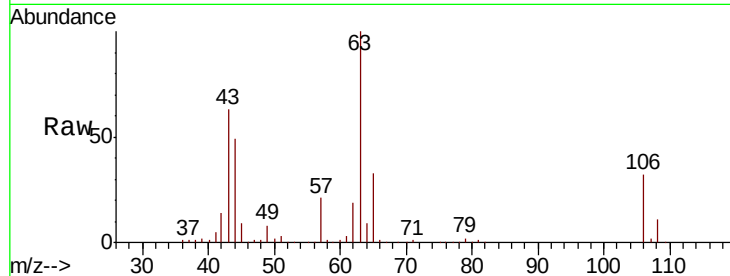
#55
2-Chloroethyl vinyl ether
Concen: 102.053 ug/l
RT: 8.31 min Scan# 1217
Delta R.T. 0.00 min
Lab File: VX013157.D
Acq: 21 Oct 2019 17:18

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.9	25.5	38.3
106	31.6	24.8	37.2

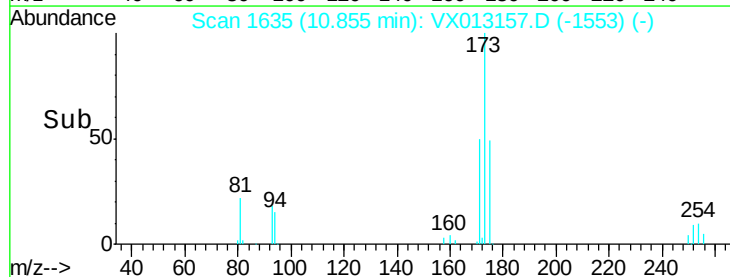
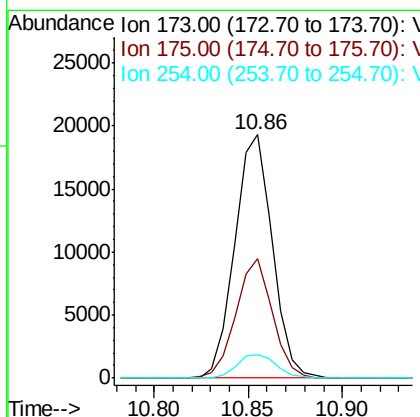
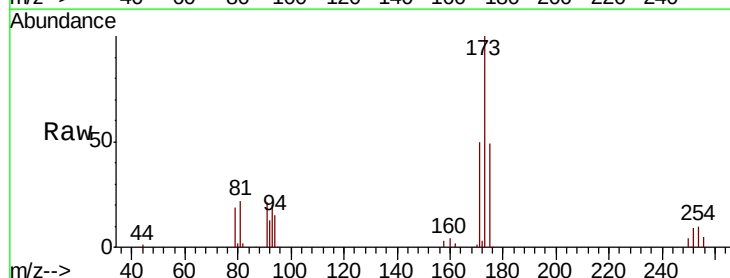
Manual Integrations
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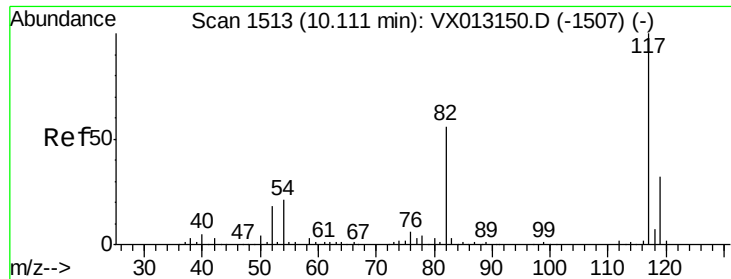
MMDadoda
10/22/2019 12:32:02 PM



#56
Bromoform
Concen: 19.136 ug/l
RT: 10.86 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX013157.D
Acq: 21 Oct 2019 17:18

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.8	39.0	58.4
254	10.0	8.1	12.1





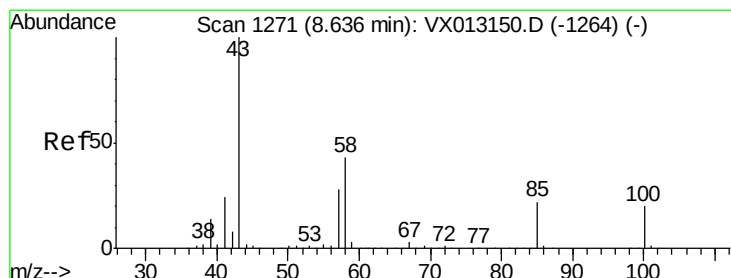
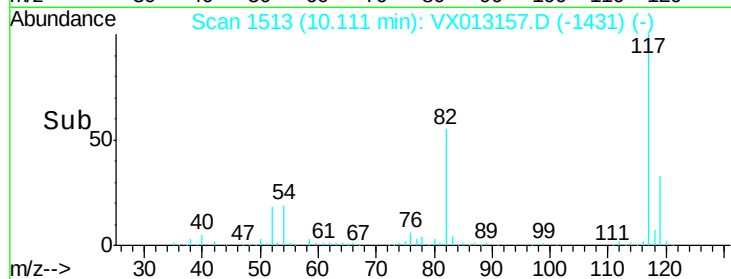
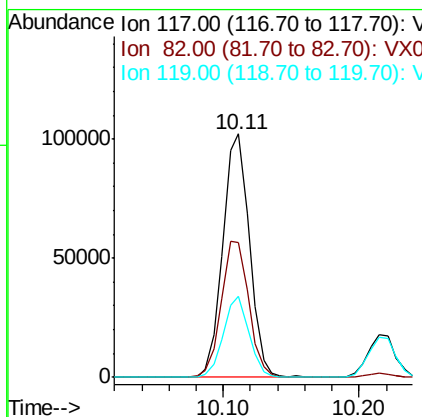
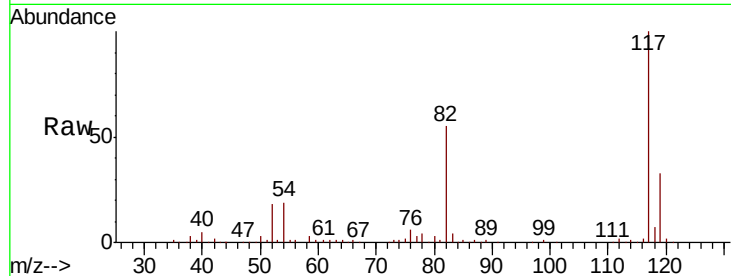
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013157.D
Acq: 21 Oct 2019 17:18

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.0	69.0
119	32.0	25.4	38.0

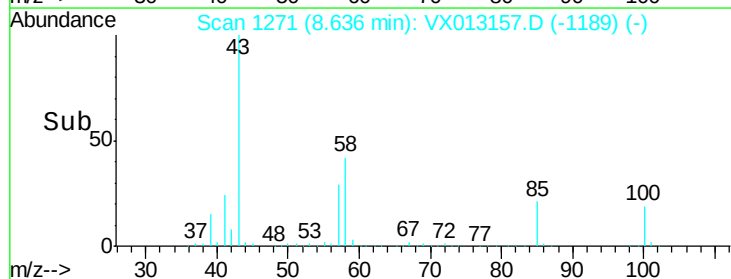
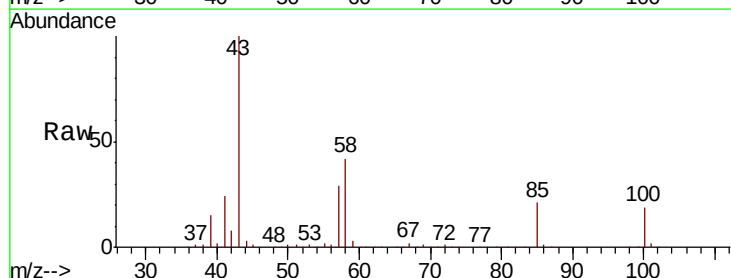
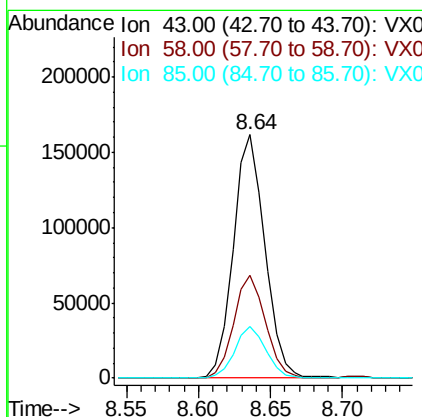
Manual Integrations
APPROVED

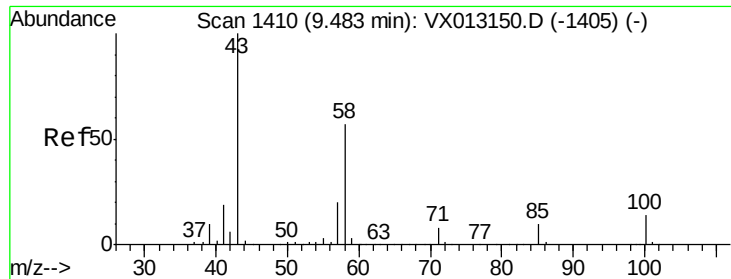
MMDadoda
10/22/2019 12:32:02 PM



#58
4-Methyl-2-Pentanone
Concen: 105.352 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX013157.D
Acq: 21 Oct 2019 17:18

Tgt Ion	Ratio	Lower	Upper
43	100		
58	42.3	33.8	50.8
85	20.9	16.8	25.2





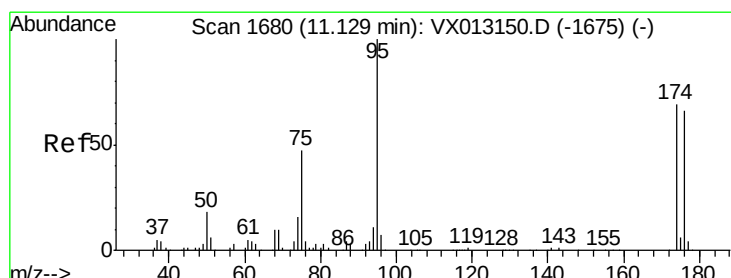
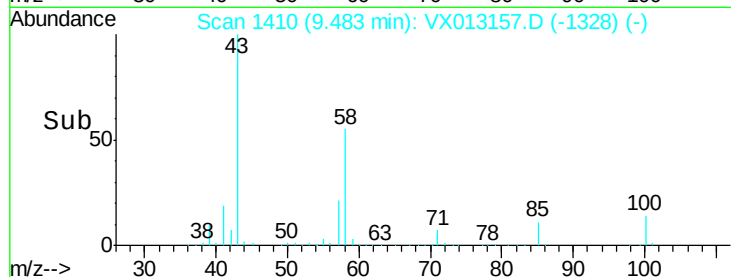
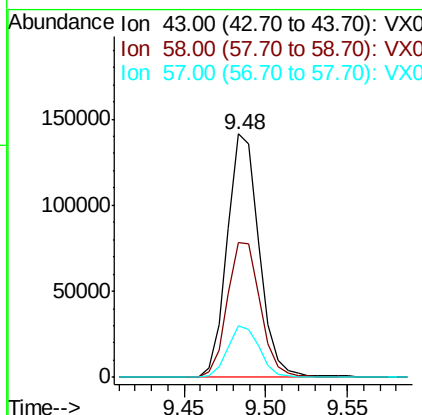
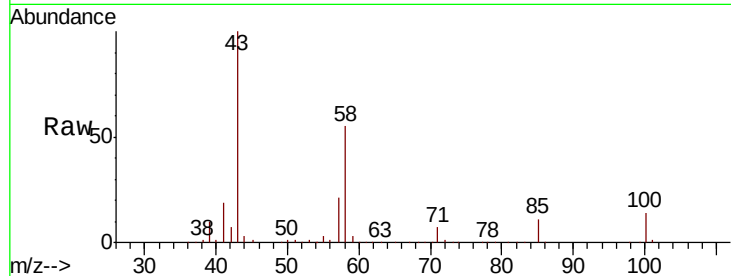
#59
2-Hexanone
Concen: 105.052 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX013157.D
Acq: 21 Oct 2019 17:18

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
43	100	193097		
58	57.1	46.6	69.8	
57	20.9	16.9	25.3	

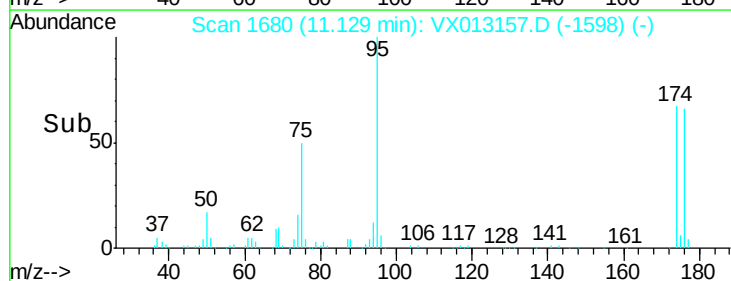
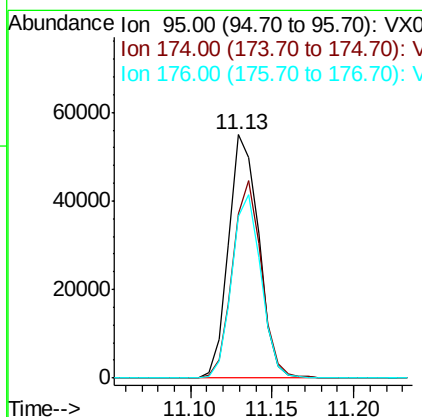
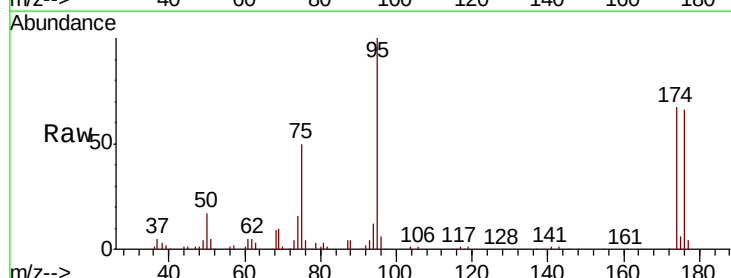
Manual Integrations
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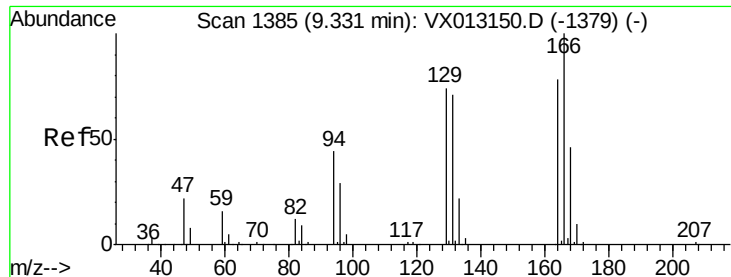
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 29.285 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX013157.D
Acq: 21 Oct 2019 17:18

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	70979		
174	77.7	60.0	90.0	
176	72.9	58.5	87.7	





#61

Tetrachloroethene

Concen: 20.624 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX013157.D

Acq: 21 Oct 2019 17:18

Instrument :

MSVOA_X

ClientSampleId :

VX1021WBSD01

Tot Ion:164 Resp: 38057

Ion Ratio Lower Upper

164 100

166 117.7 102.6 153.8

129 94.9 75.7 113.5

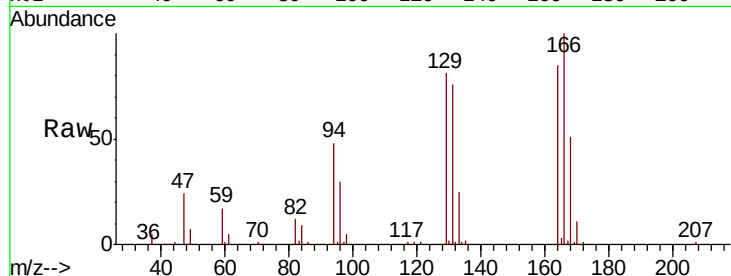
131 89.8 72.4 108.6

Manual Integrations

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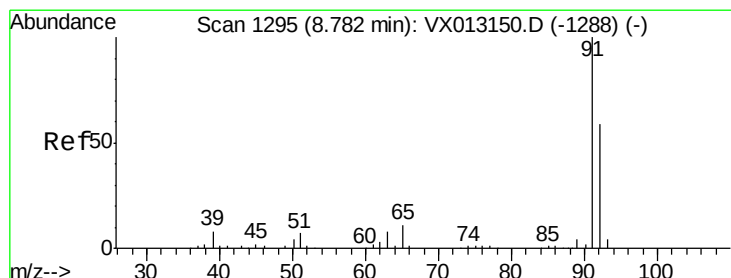
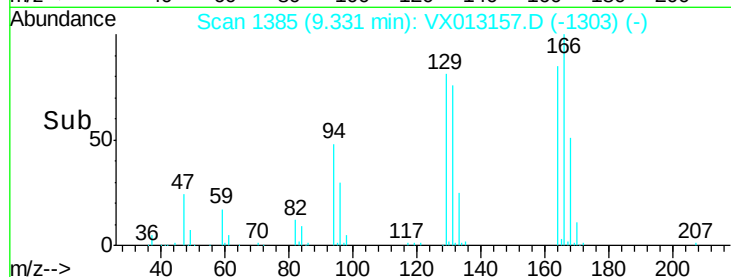
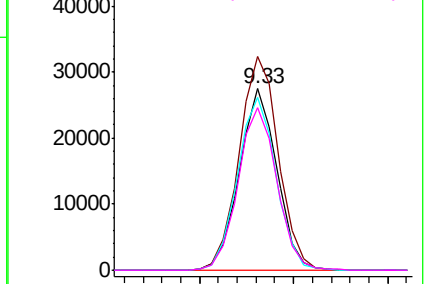


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.417 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX013157.D

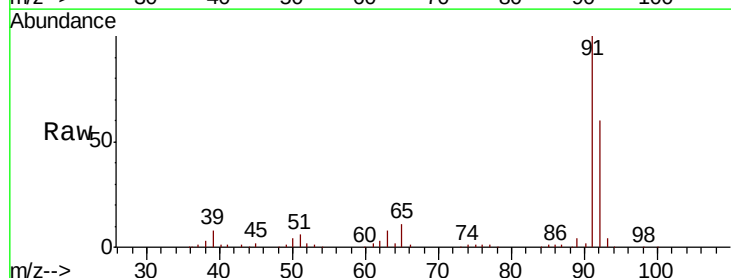
Acq: 21 Oct 2019 17:18

Tgt Ion: 91 Resp: 153410

Ion Ratio Lower Upper

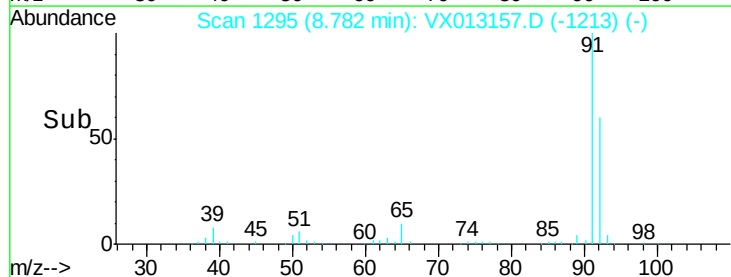
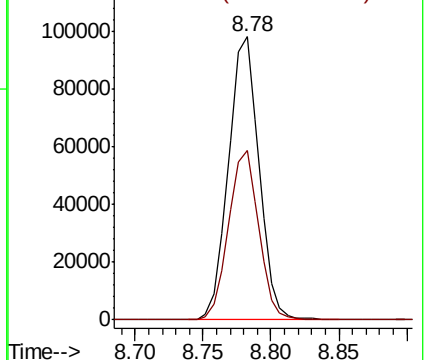
91 100

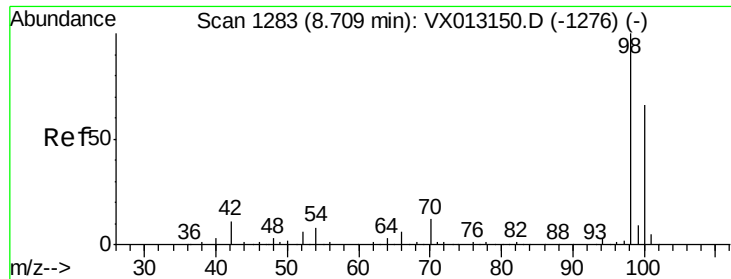
92 59.1 47.7 71.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.578 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013157.D

Acq: 21 Oct 2019 17:18

Instrument :

MSVOA_X

ClientSampleId :

VX1021WBSD01

Tot Ion: 98 Resp: 189298

Ion Ratio Lower Upper

98 100

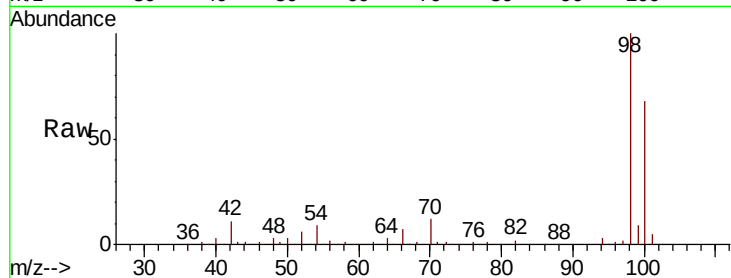
100 67.1 53.1 79.7

Manual Integrations

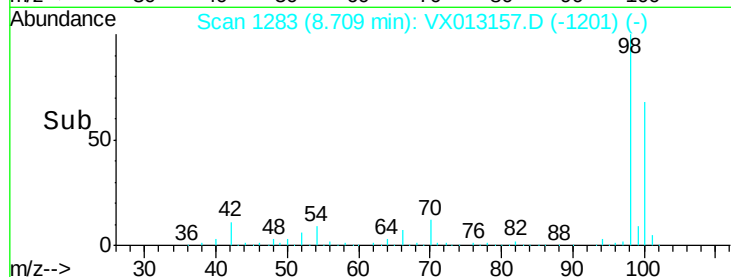
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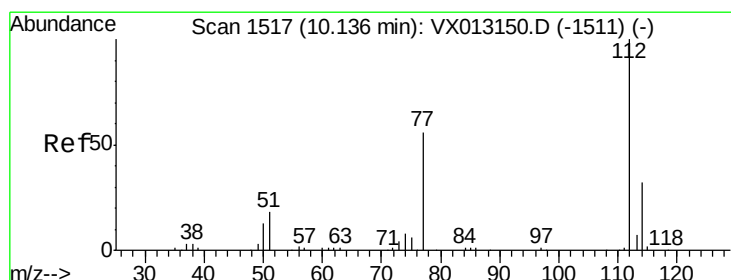
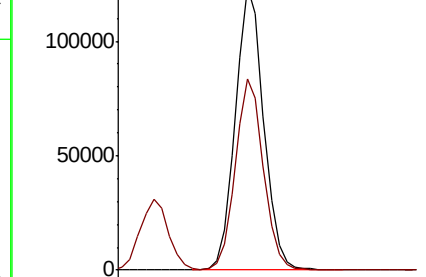
10/22/2019 12:32:02 PM



Abundance Ion 98.00 (97.70 to 98.70): VX013157.D (-1201) (-)



Ion 100.00 (99.70 to 100.70): VX013157.D (-1201) (-)



#64

Chlorobenzene

Concen: 20.153 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX013157.D

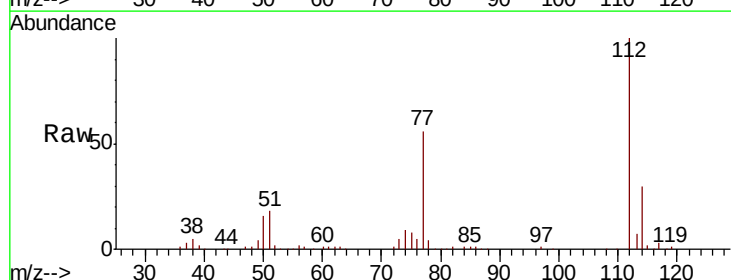
Acq: 21 Oct 2019 17:18

Tgt Ion: 112 Resp: 97090

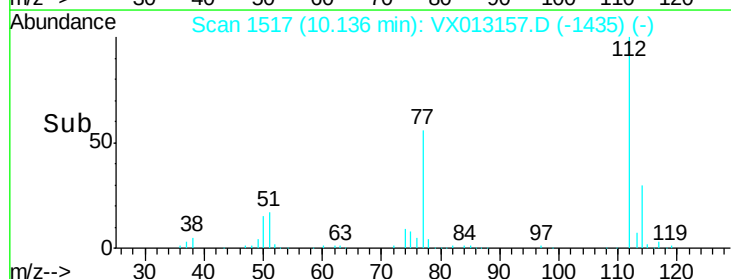
Ion Ratio Lower Upper

112 100

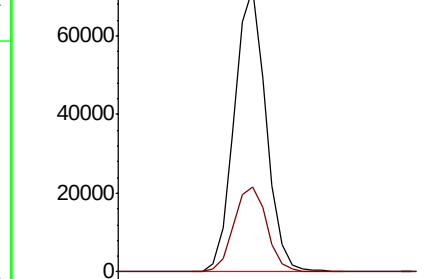
114 29.9 25.5 38.3

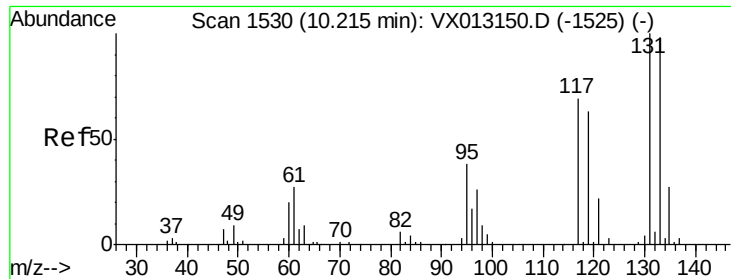


Abundance Ion 112.00 (111.70 to 112.70): VX013157.D (-1435) (-)



Ion 114.00 (113.70 to 114.70): VX013157.D (-1435) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 19.953 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX013157.D

Acq: 21 Oct 2019 17:18

Instrument :

MSVOA_X

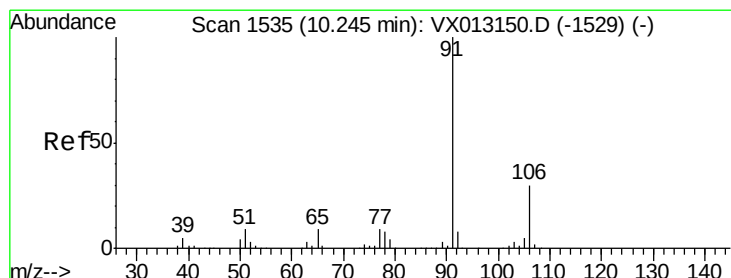
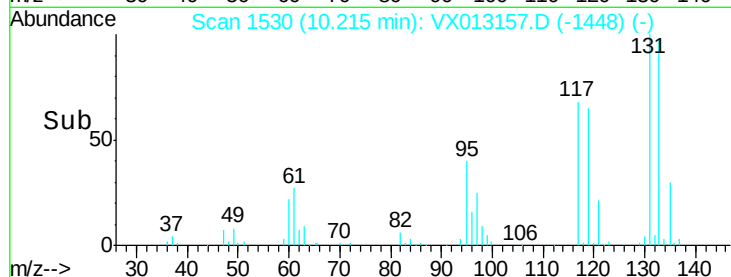
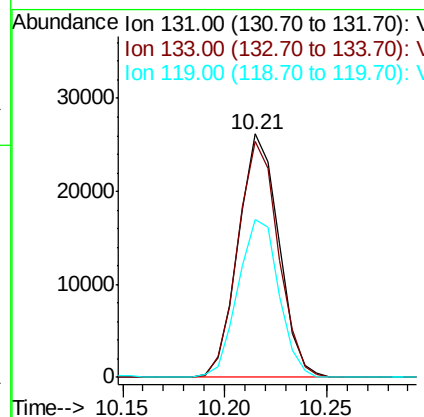
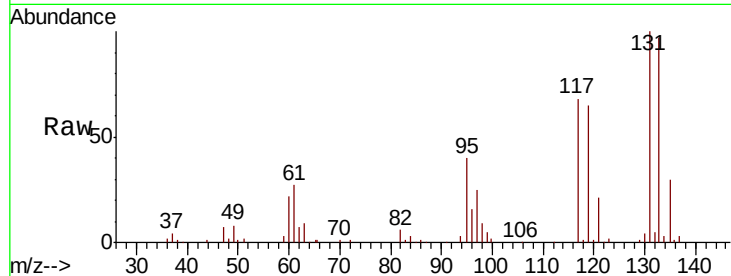
ClientSampled :

VX1021WBSD01

Tot Ion:	131	Resp:	36010
Ion Ratio	Lower	Upper	
131	100		
133	96.8	0.0	191.0
119	65.8	0.0	125.6

Manual Integrations
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#66

Ethyl Benzene

Concen: 19.908 ug/l

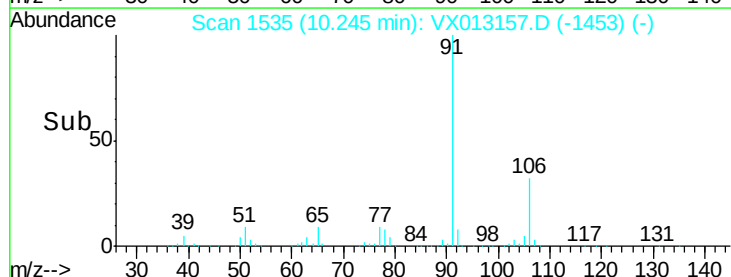
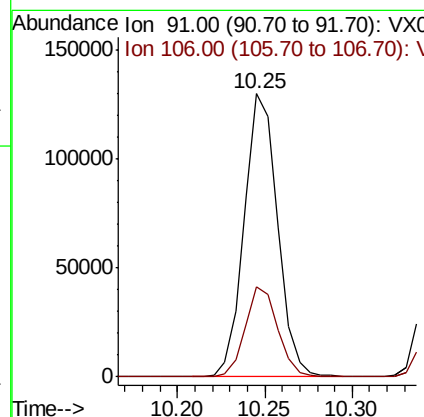
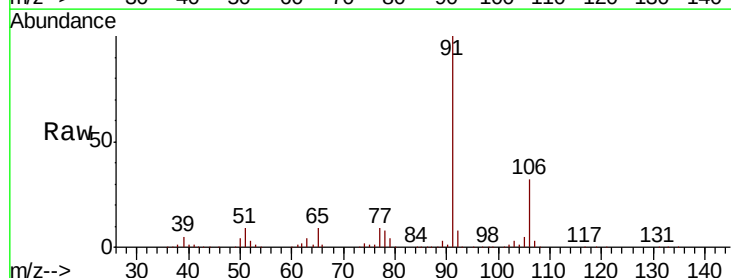
RT: 10.25 min Scan# 1535

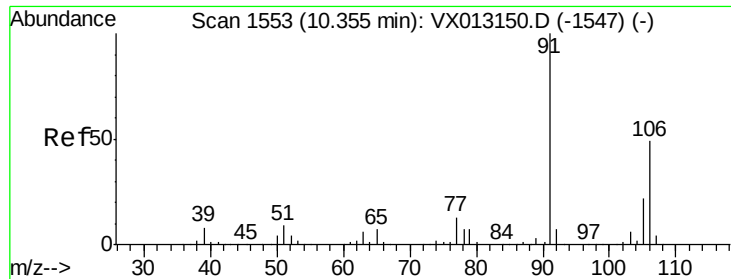
Delta R.T. 0.00 min

Lab File: VX013157.D

Acq: 21 Oct 2019 17:18

Tgt Ion:	91	Resp:	172160
Ion Ratio	Lower	Upper	
91	100		
106	31.7	23.8	35.6





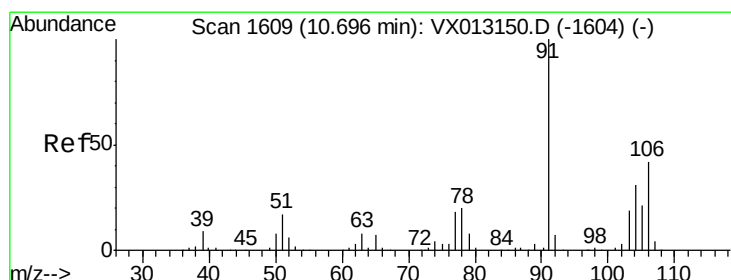
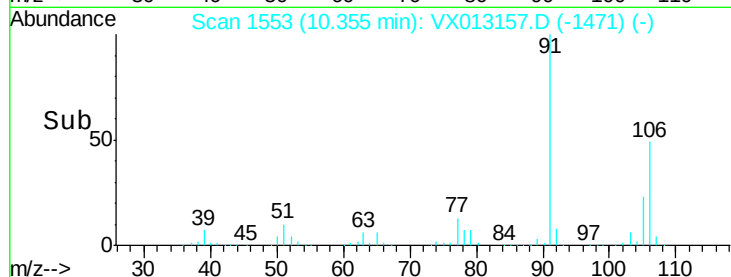
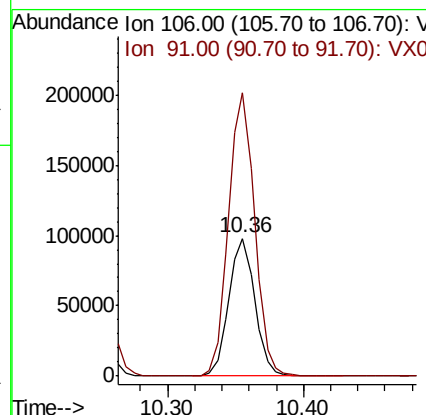
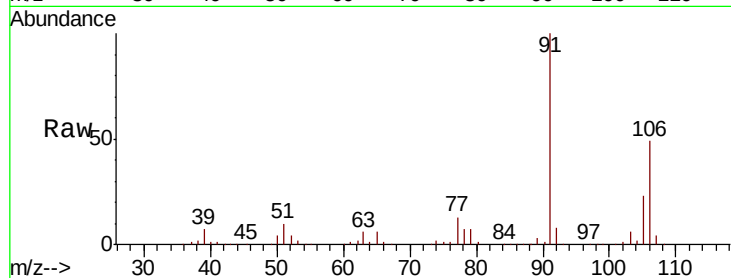
#67
m/p-Xylenes
Concen: 39.714 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX013157.D
Acq: 21 Oct 2019 17:18

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Tot Ion:106 Resp: 130529
Ion Ratio Lower Upper
106 100
91 206.3 163.7 245.5

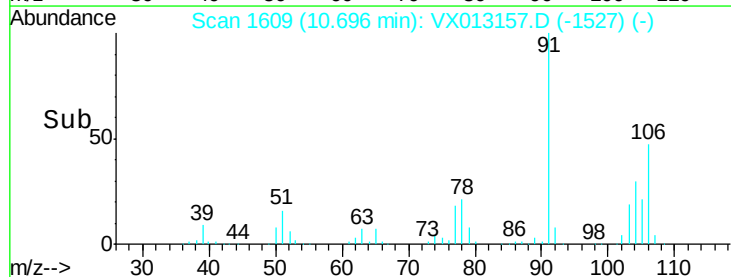
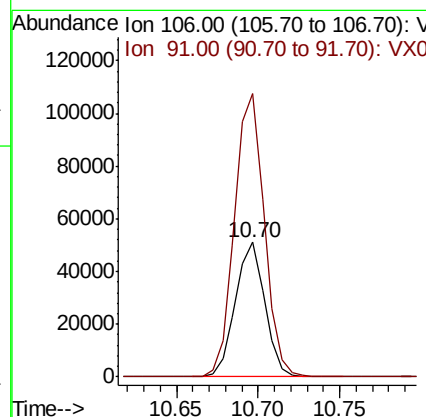
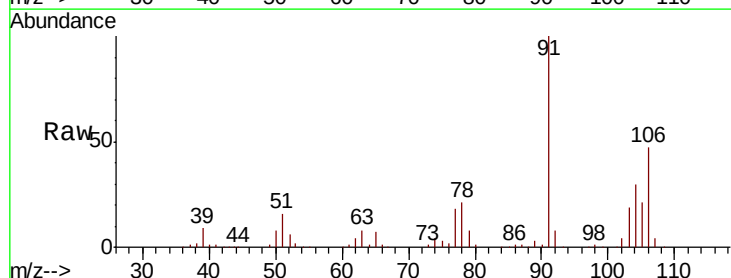
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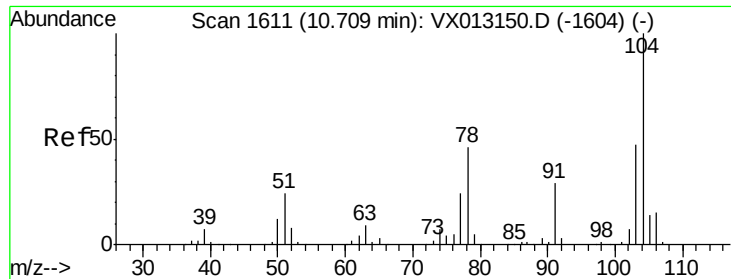
MMDadoda
10/22/2019 12:32:02 PM



#68
o-Xylene
Concen: 20.425 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013157.D
Acq: 21 Oct 2019 17:18

Tgt Ion:106 Resp: 64084
Ion Ratio Lower Upper
106 100
91 213.2 113.6 340.8





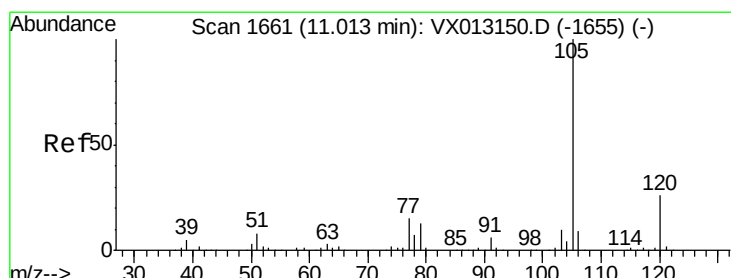
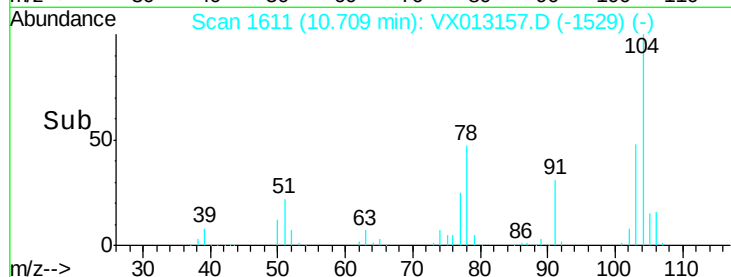
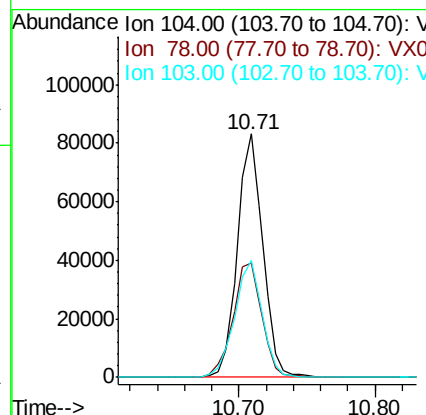
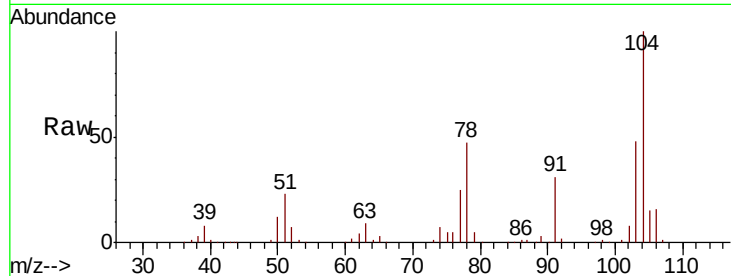
#69
Stvrene
Concen: 20.028 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX013157.D
Acq: 21 Oct 2019 17:18

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.4	42.3	63.5
103	52.4	42.2	63.2

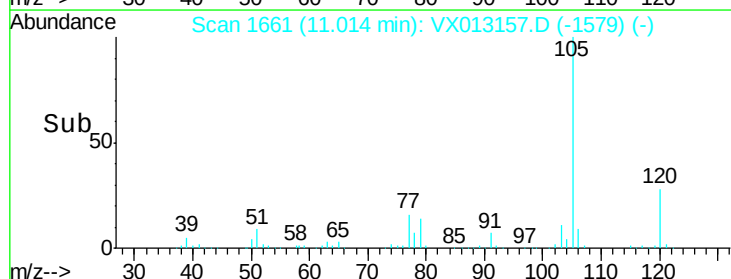
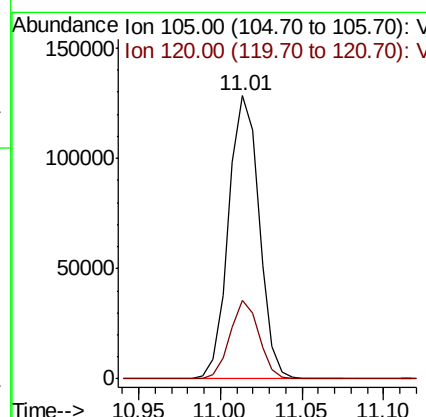
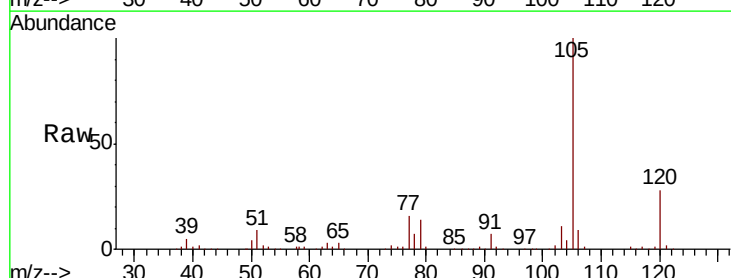
Manual Integrations
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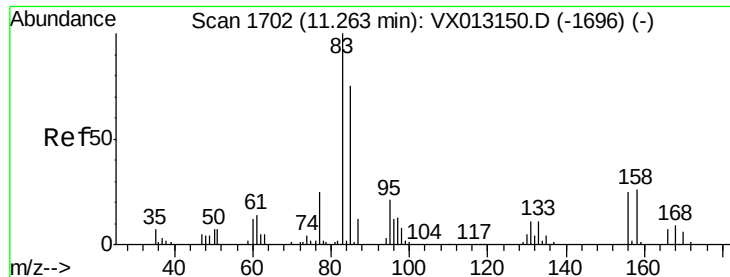
MMDadoda
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#70
Isopropylbenzene
Concen: 19.439 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX013157.D
Acq: 21 Oct 2019 17:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.3	18.1	33.7





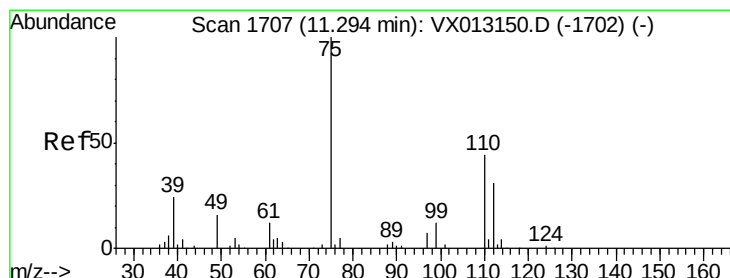
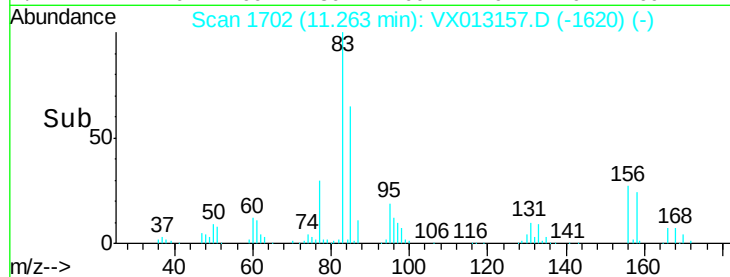
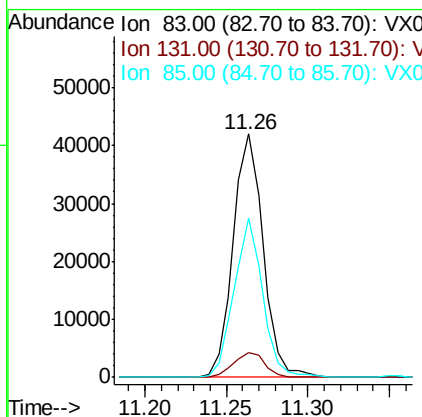
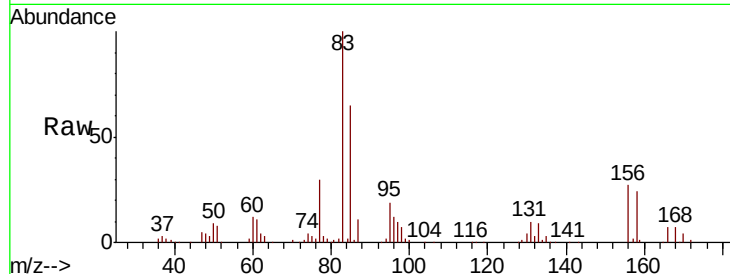
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.448 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VX013157.D
 Acq: 21 Oct 2019 17:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1021WBSD01

Tot Ion	83	Resp	53945
Ion Ratio	100	Lower	Upper
83	100		
131	10.7	5.5	16.4
85	62.6	32.9	98.6

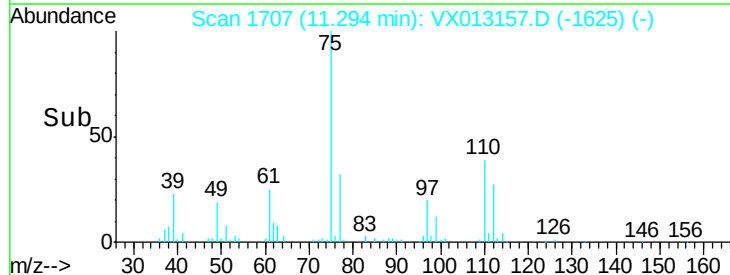
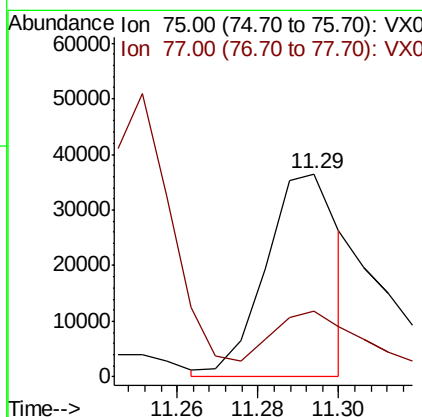
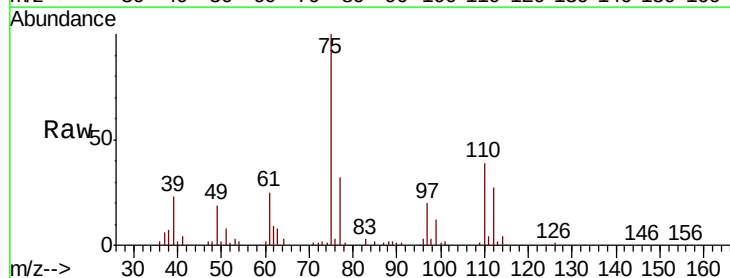
Manual Integrations
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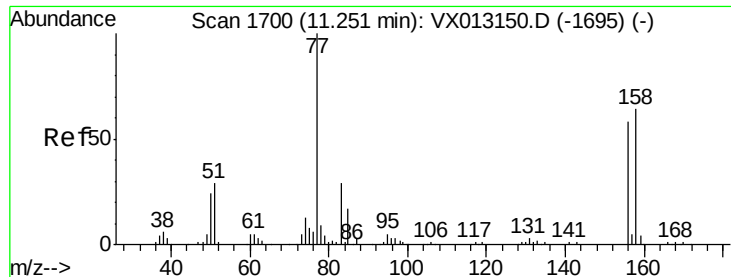
MMDadoda
 10/22/2019 12:32:02 PM



#72
 1,2,3-Trichloropropane
 Concen: 20.011 ug/l m
 RT: 11.29 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VX013157.D
 Acq: 21 Oct 2019 17:18

Tgt Ion	75	Resp	45852
Ion Ratio	100	Lower	Upper
75	100		
77	42.8	0.0	74.0





#73

Bromobenzene

Concen: 19.485 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX013157.D

Acq: 21 Oct 2019 17:18

Instrument :

MSVOA_X

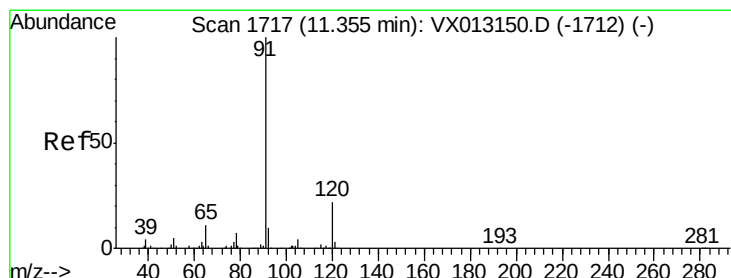
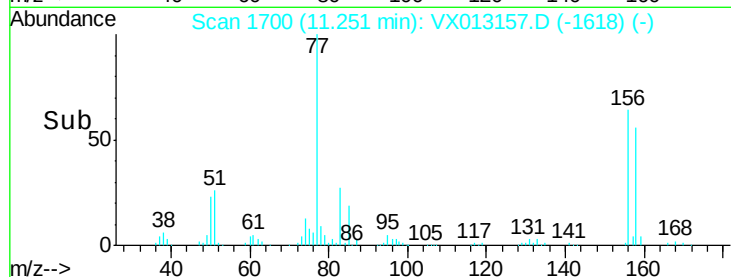
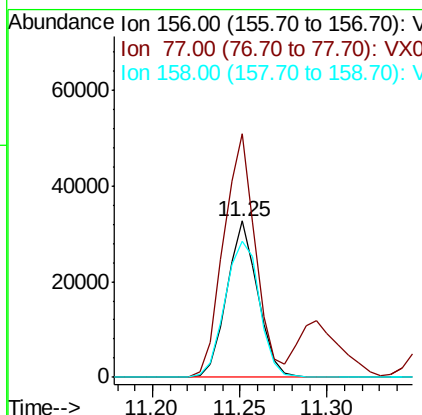
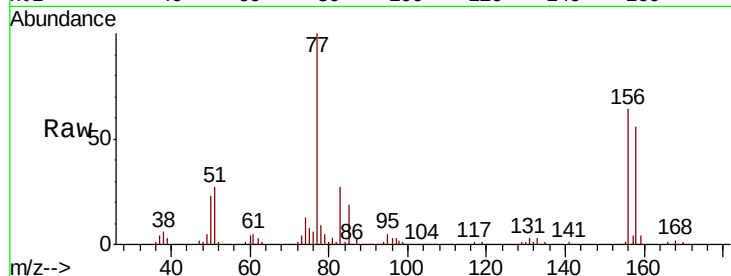
ClientSampleId :

VX1021WBSD01

Tot Ion:	156	Resp:	40259
Ion	Ratio	Lower	Upper
156	100		
77	160.3	0.0	328.0
158	96.7	0.0	196.2

Manual Integrations
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#74

n-propylbenzene

Concen: 20.004 ug/l

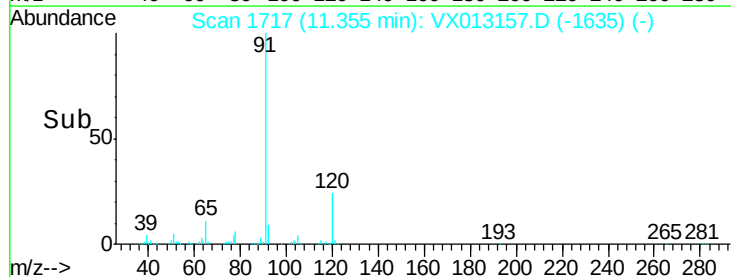
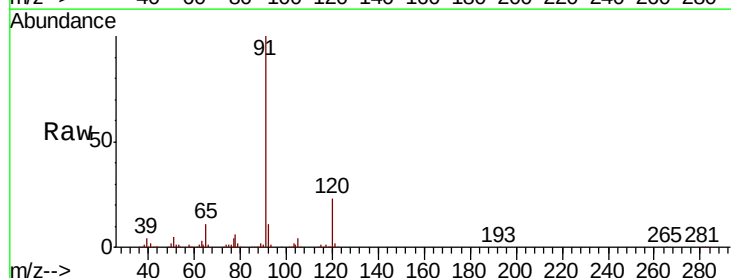
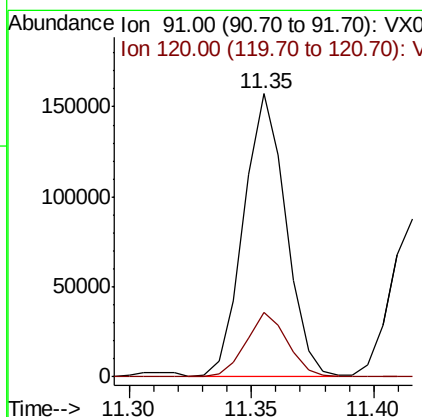
RT: 11.35 min Scan# 1717

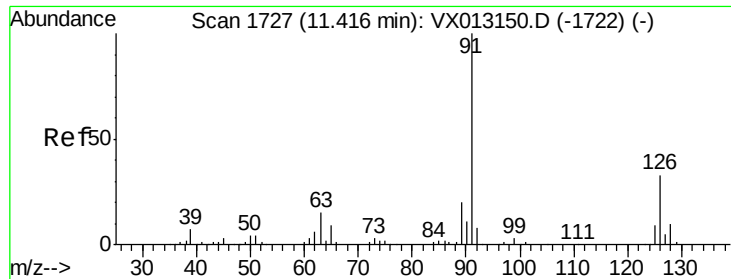
Delta R.T. 0.00 min

Lab File: VX013157.D

Acq: 21 Oct 2019 17:18

Tgt Ion:	91	Resp:	189029
Ion	Ratio	Lower	Upper
91	100		
120	22.3	0.0	45.2





#75

2-Chlorotoluene

Concen: 19.278 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX013157.D

Acq: 21 Oct 2019 17:18

Instrument :

MSVOA_X

ClientSampled :

VX1021WBSD01

Tot Ion: 91 Resp: 113993

Ion Ratio Lower Upper

91 100

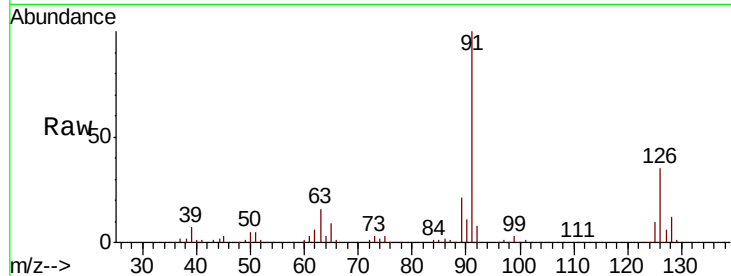
126 33.3 0.0 63.8

Manual Integrations

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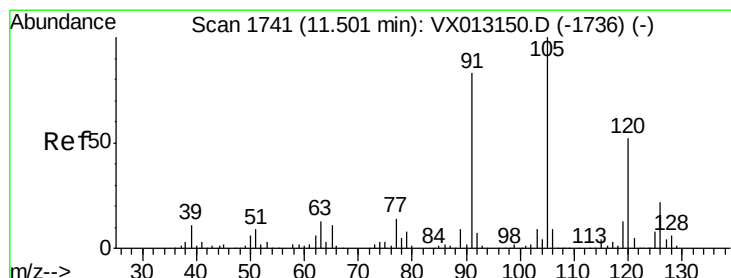
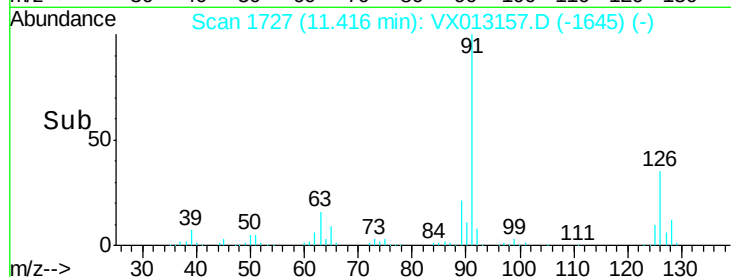
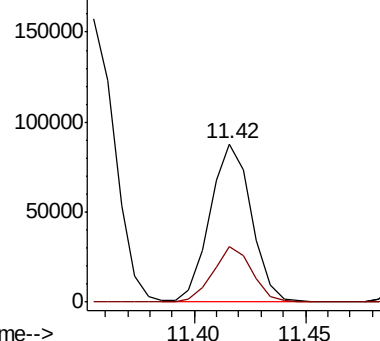
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 20.153 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX013157.D

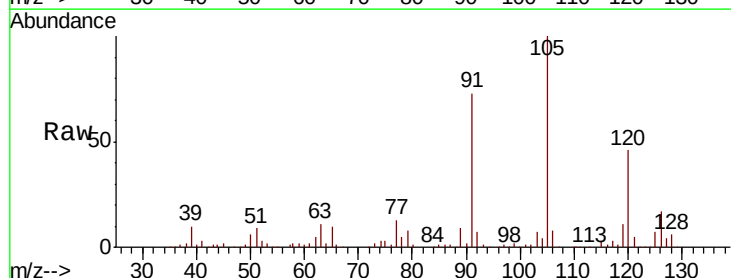
Acq: 21 Oct 2019 17:18

Tgt Ion: 105 Resp: 145651

Ion Ratio Lower Upper

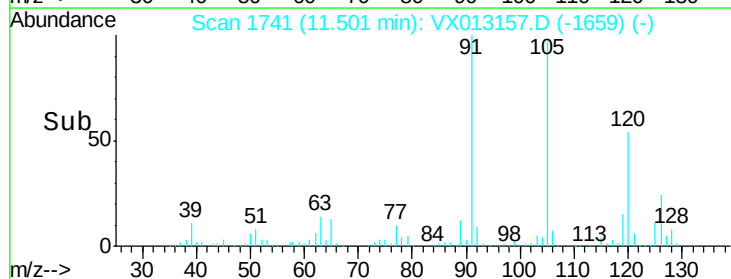
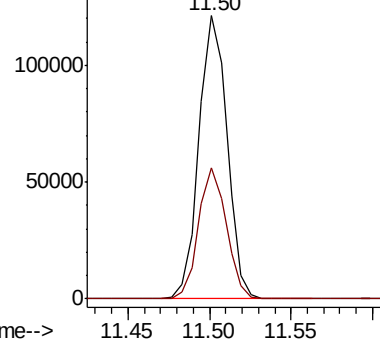
105 100

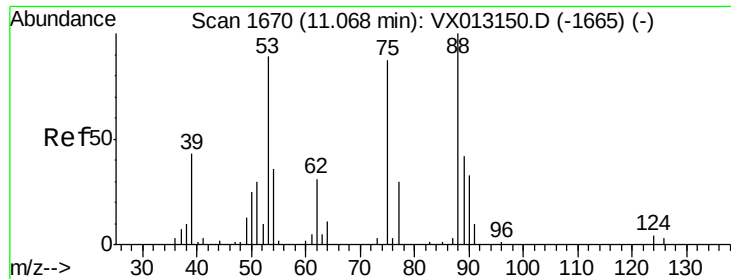
120 45.9 0.0 98.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#77

t-1,4-Dichloro-2-butene

Concen: 18.814 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX013157.D

Acq: 21 Oct 2019 17:18

Instrument :

MSVOA_X

ClientSampleId :

VX1021WBSD01

Tot Ion: 75 Resp: 16738

Ion Ratio Lower Upper

75 100

53 96.6 51.1 153.4

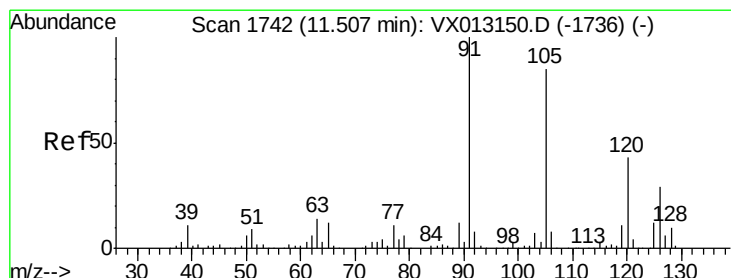
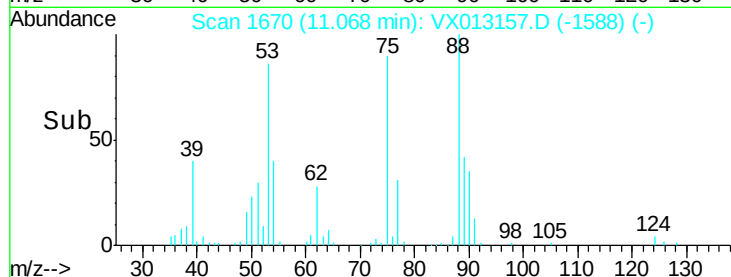
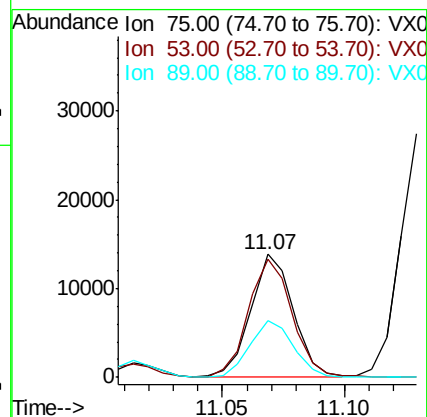
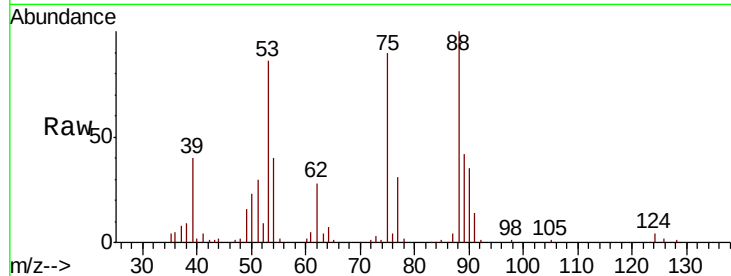
89 46.5 24.1 72.4

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#78

4-Chlorotoluene

Concen: 19.647 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX013157.D

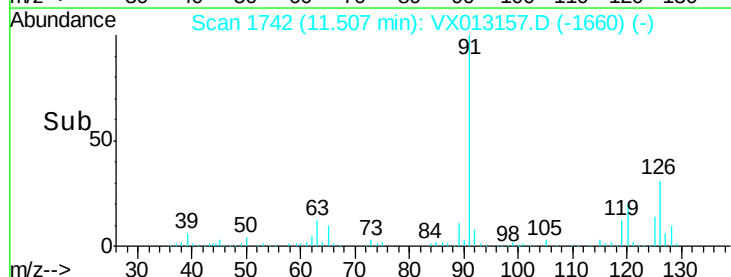
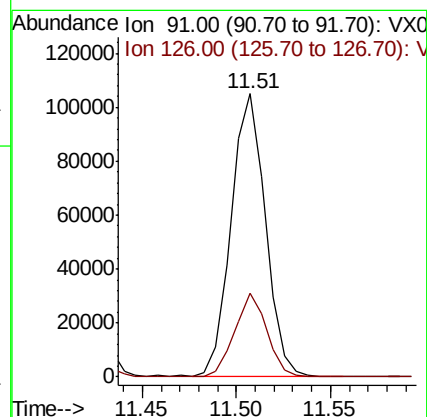
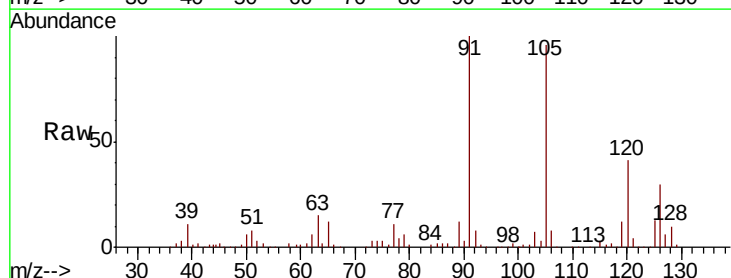
Acq: 21 Oct 2019 17:18

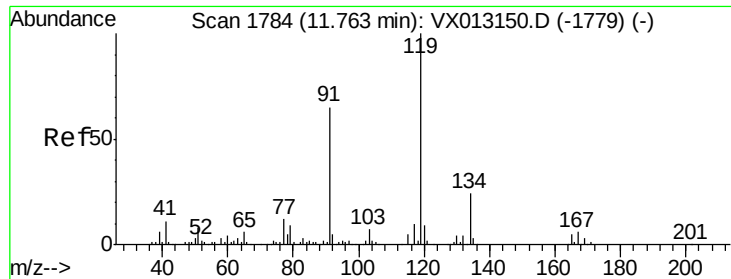
Tgt Ion: 91 Resp: 132745

Ion Ratio Lower Upper

91 100

126 27.8 0.0 58.4





#79

tert-butylbenzene

Concen: 19.475 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX013157.D

Acq: 21 Oct 2019 17:18

Instrument :

MSVOA_X

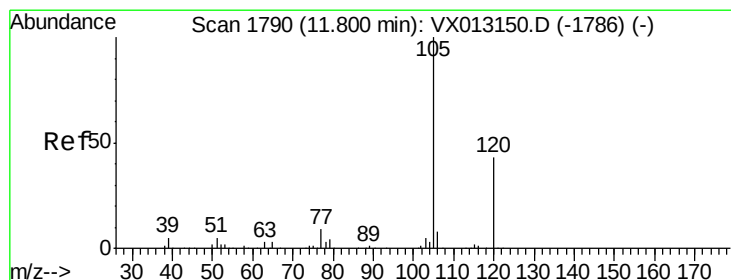
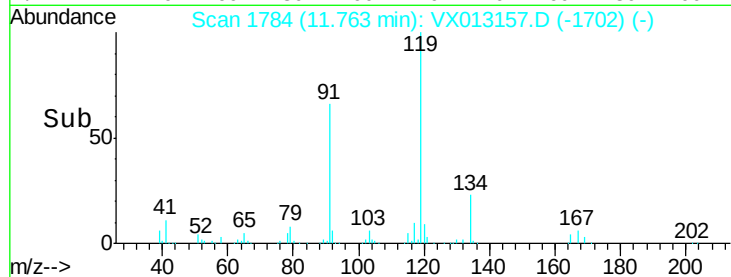
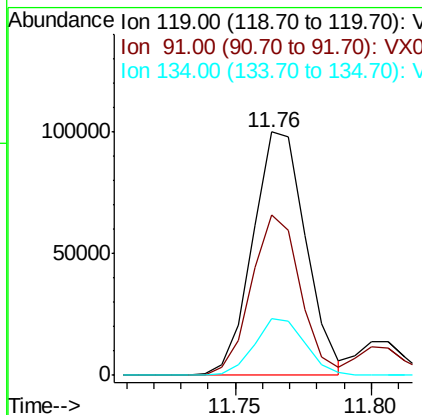
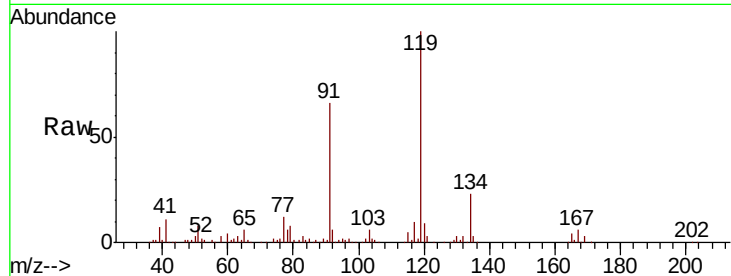
ClientSampleId :

VX1021WBSD01

Tot Ion:	119	Resp:	135529
Ion Ratio	Lower	Upper	
119	100		
91	60.9	0.0	128.4
134	22.4	0.0	49.0

Manual Integrations
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#80

1,2,4-Trimethylbenzene

Concen: 19.937 ug/l

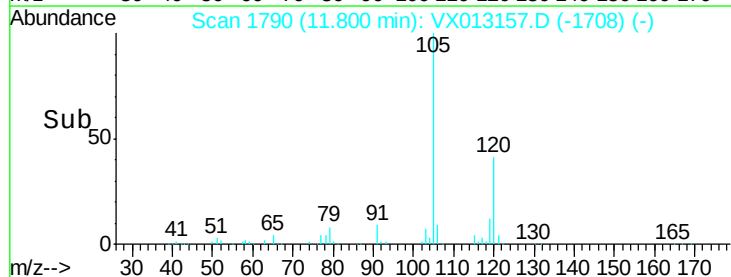
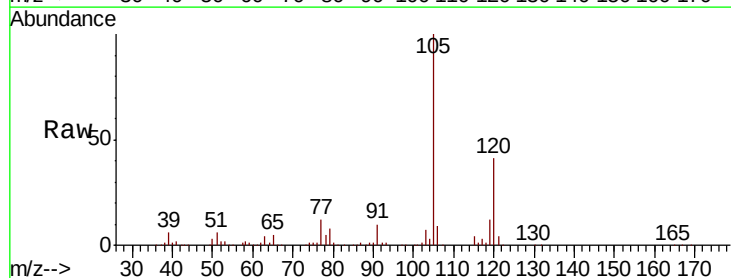
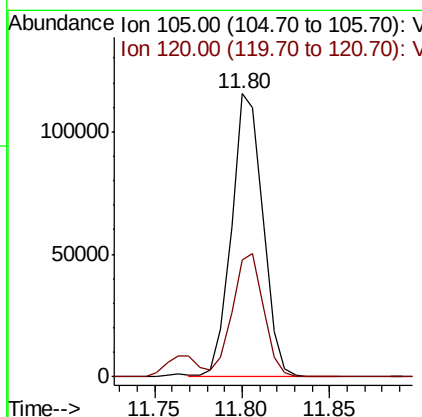
RT: 11.80 min Scan# 1790

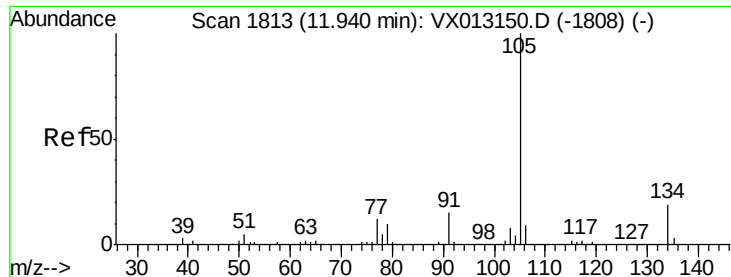
Delta R.T. 0.00 min

Lab File: VX013157.D

Acq: 21 Oct 2019 17:18

Tgt Ion:	105	Resp:	143946
Ion Ratio	Lower	Upper	
105	100		
120	43.2	0.0	87.4





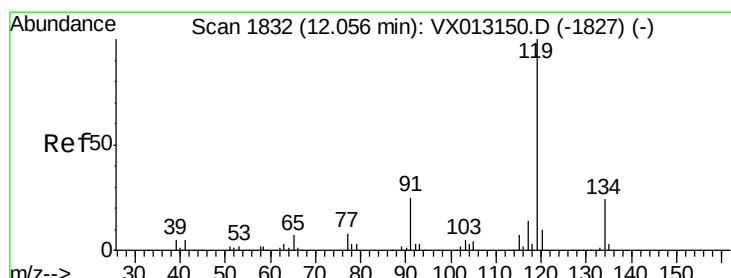
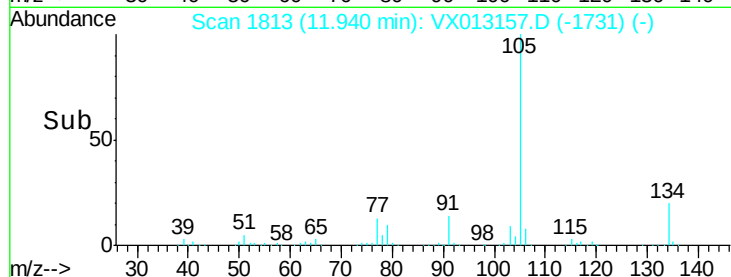
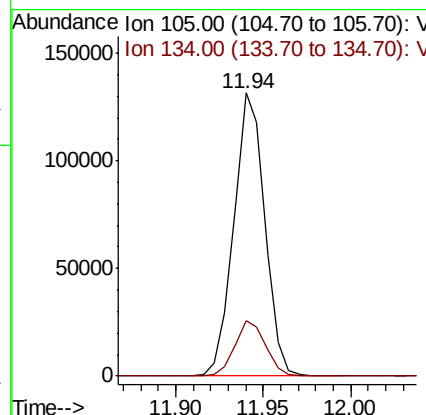
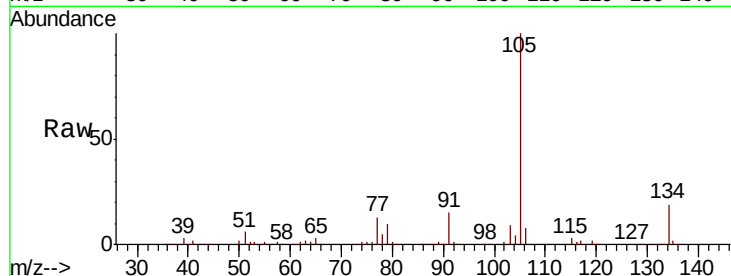
#81
 sec-Butylbenzene
 Concen: 19.505 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX013157.D
 Acq: 21 Oct 2019 17:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1021WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	0.0	39.2

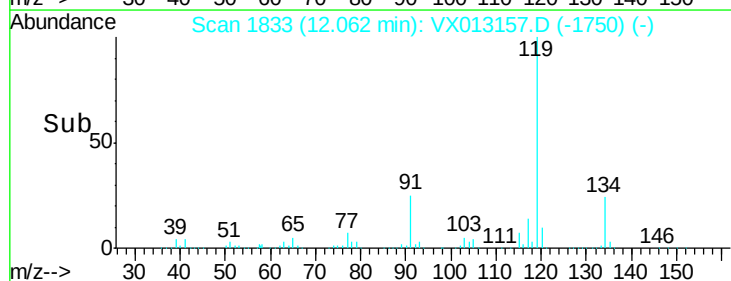
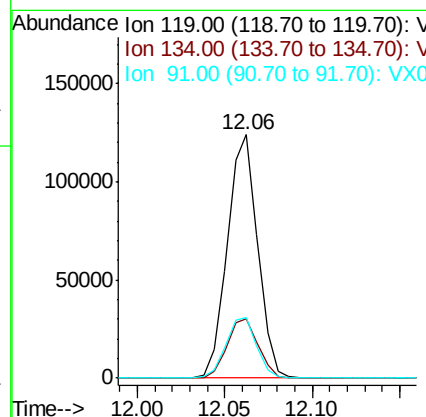
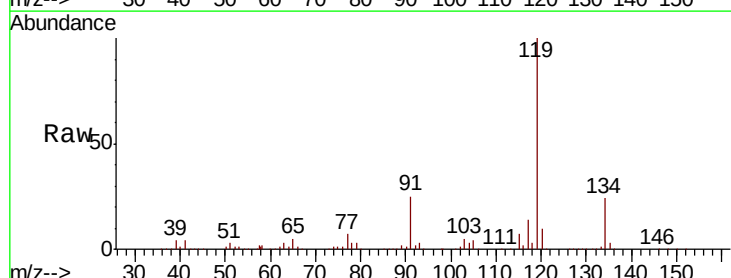
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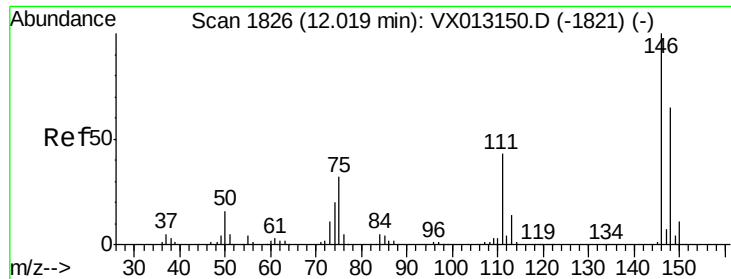
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 10/22/2019 12:32:02 PM



#82
 p-Isopropyltoluene
 Concen: 19.653 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.01 min
 Lab File: VX013157.D
 Acq: 21 Oct 2019 17:18

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.0	0.0	51.6
91	25.2	0.0	50.0





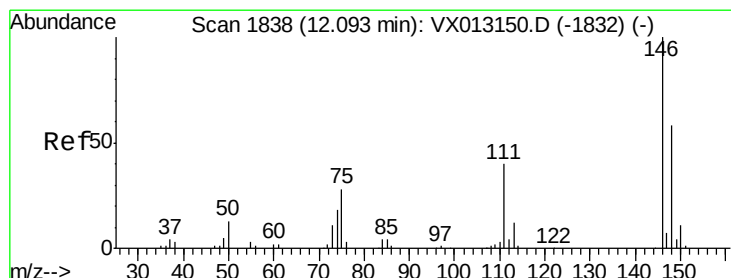
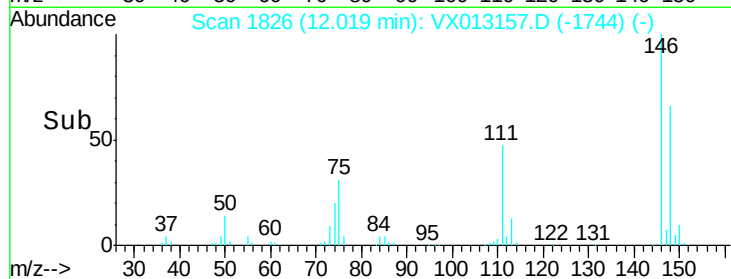
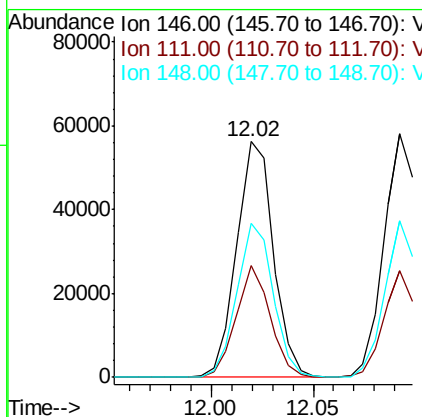
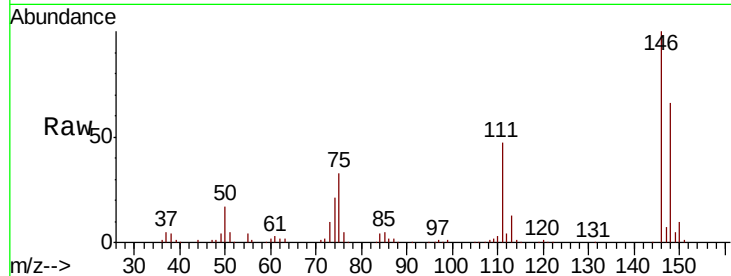
#83
 1,3-Dichlorobenzene
 Concen: 18.672 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX013157.D
 Acq: 21 Oct 2019 17:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1021WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.8	65.4
148	64.6	31.2	93.6

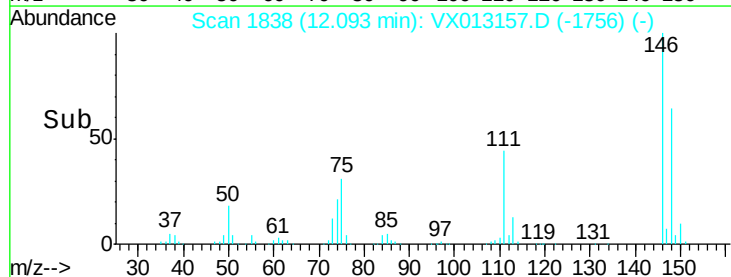
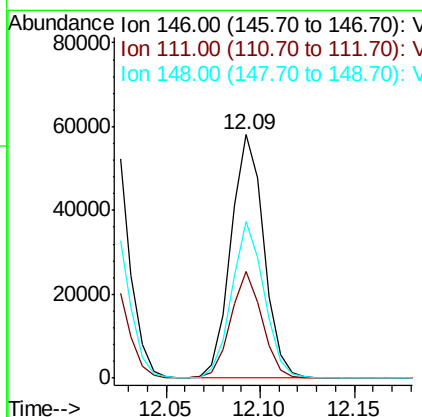
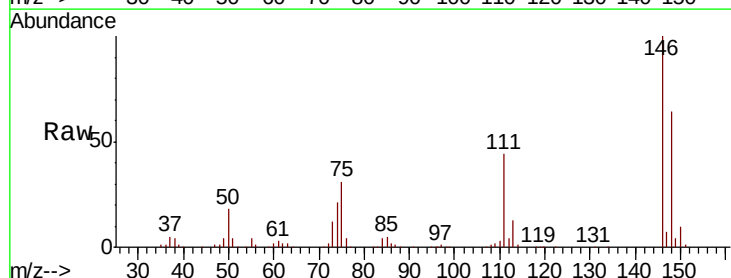
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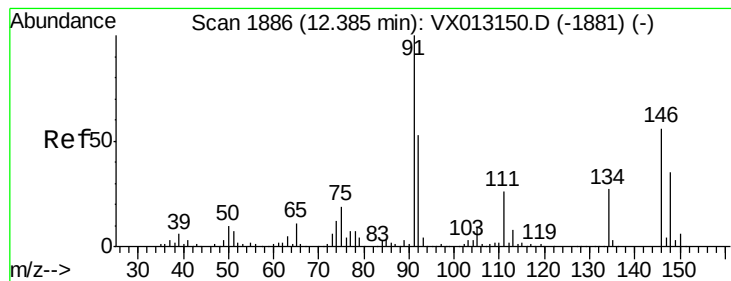
MMDadoda
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#84
 1,4-Dichlorobenzene
 Concen: 18.922 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX013157.D
 Acq: 21 Oct 2019 17:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.3	60.9
148	62.9	31.4	94.2





#85

n-Butylbenzene

Concen: 18.198 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX013157.D

Acq: 21 Oct 2019 17:18

Instrument :

MSVOA_X

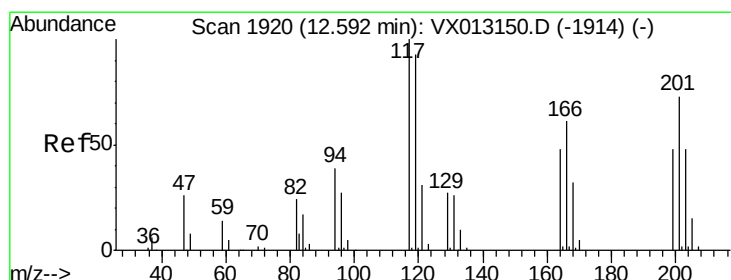
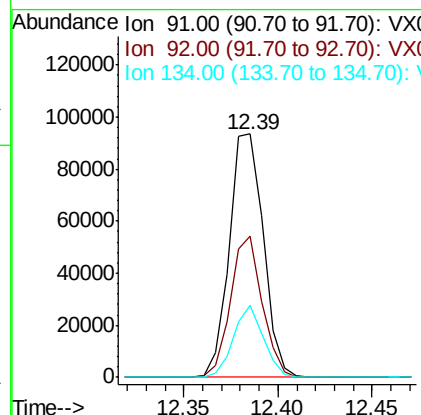
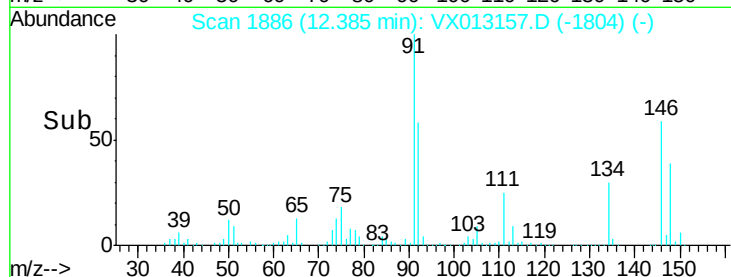
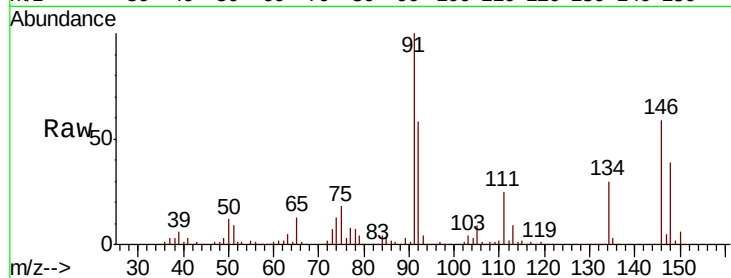
ClientSampleId :

VX1021WBSD01

Tot Ion:	91	Resp:	117169
Ion	Ratio	Lower	Upper
91	100		
92	54.2	0.0	106.8
134	26.2	0.0	52.4

Manual Integrations
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#86

Hexachloroethane

Concen: 18.761 ug/l

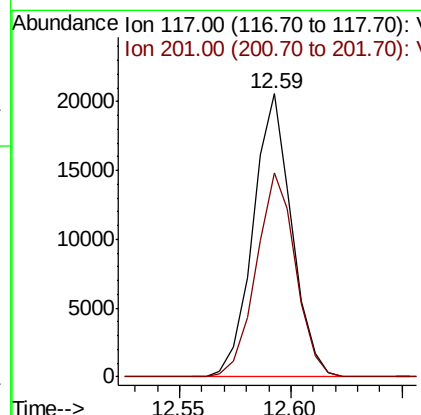
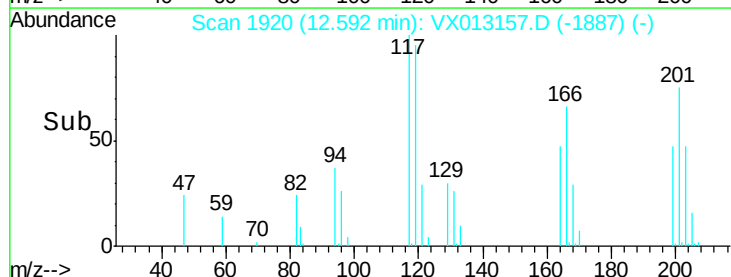
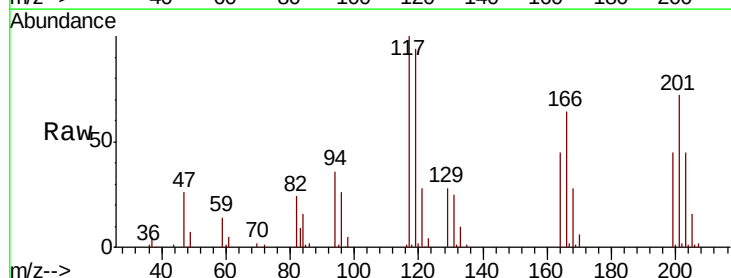
RT: 12.59 min Scan# 1920

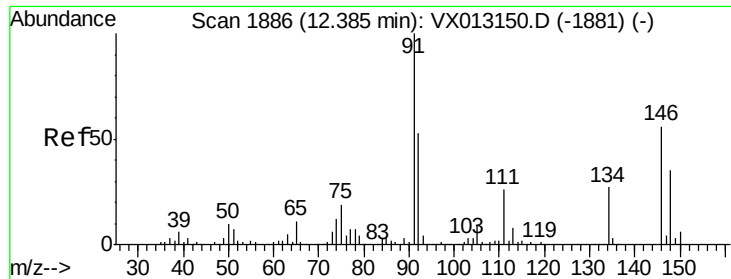
Delta R.T. 0.00 min

Lab File: VX013157.D

Acq: 21 Oct 2019 17:18

Tgt Ion:	117	Resp:	24822
Ion	Ratio	Lower	Upper
117	100		
201	73.5	35.9	107.5





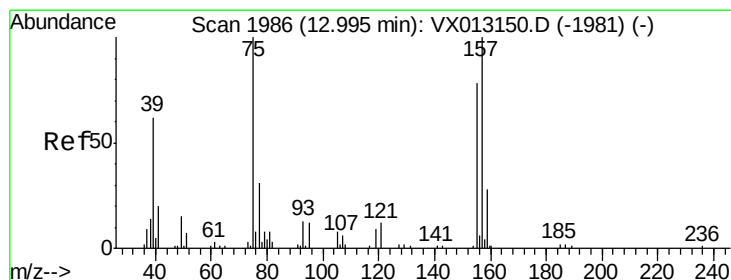
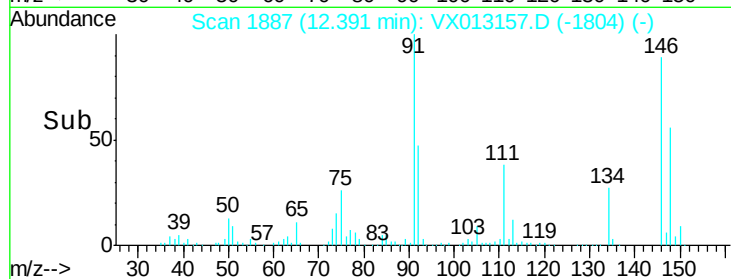
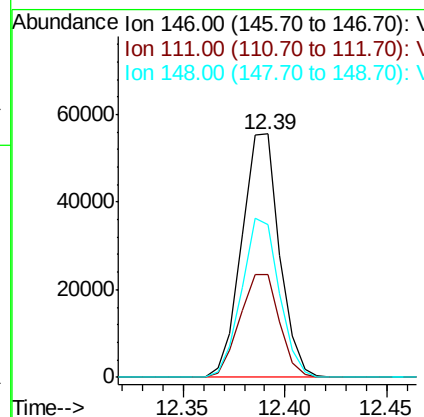
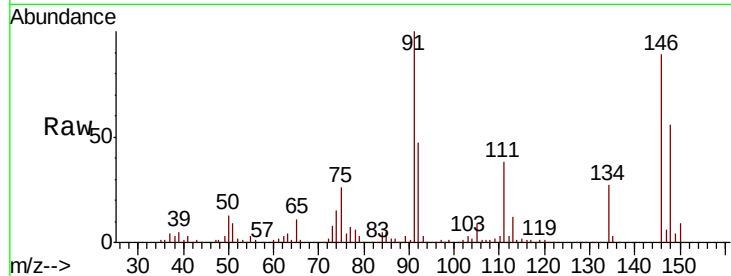
#87
 1,2-Dichlorobenzene
 Concen: 19.525 ug/l
 RT: 12.39 min Scan# 1887
 Delta R.T. 0.01 min
 Lab File: VX013157.D
 Acq: 21 Oct 2019 17:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1021WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.5	67.5
148	65.1	31.4	94.2

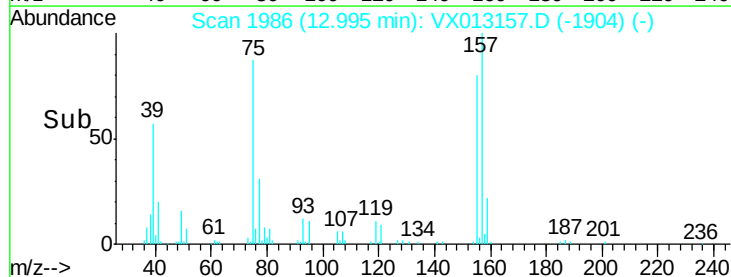
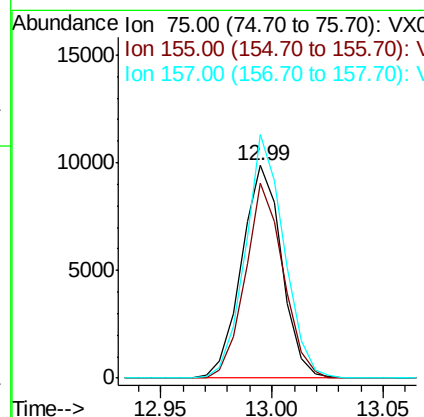
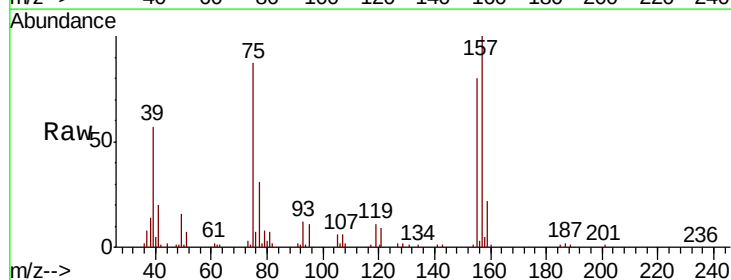
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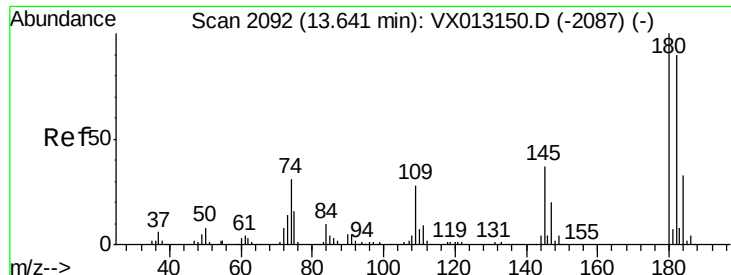
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.066 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX013157.D
 Acq: 21 Oct 2019 17:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.9	65.4	98.0
157	110.3	84.1	126.1





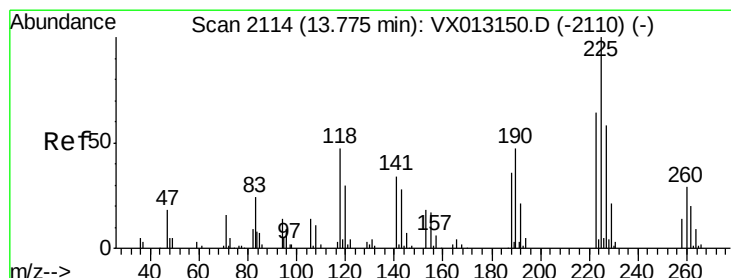
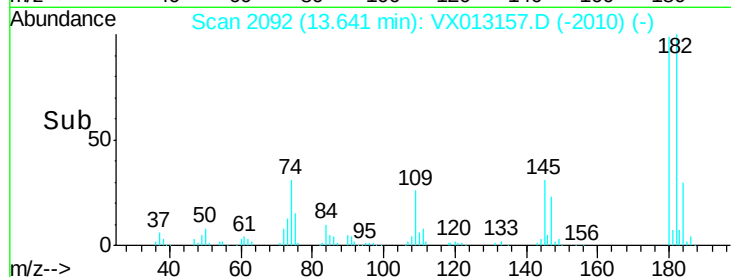
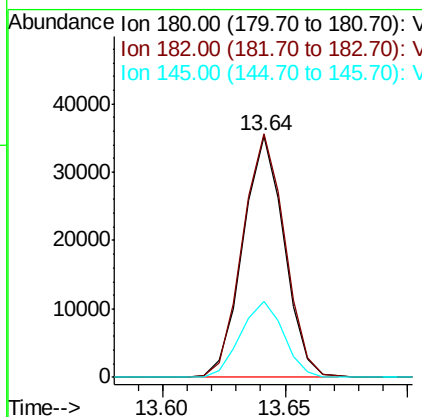
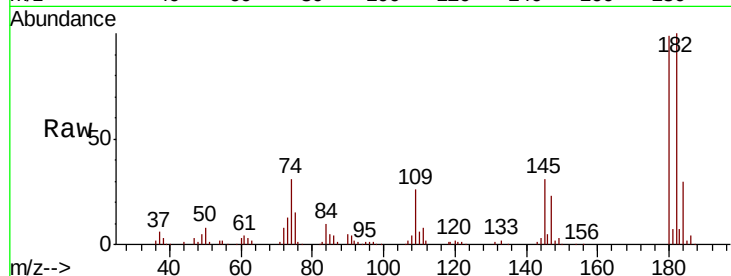
#89
1,2,4-Trichlorobenzene
Concen: 18.291 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. 0.00 min
Lab File: VX013157.D
Acq: 21 Oct 2019 17:18

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	102.7	76.1	114.1
145	32.9	27.4	41.2

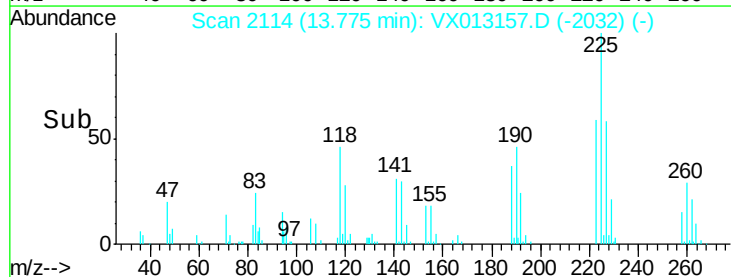
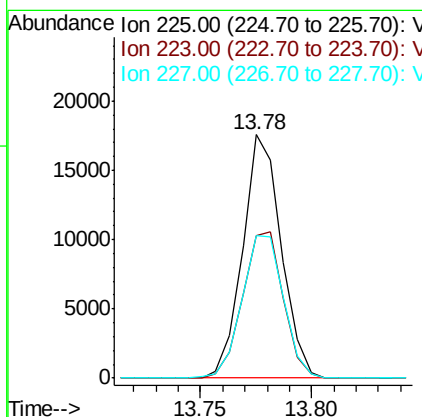
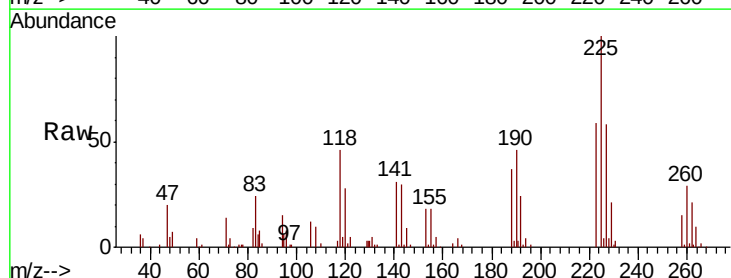
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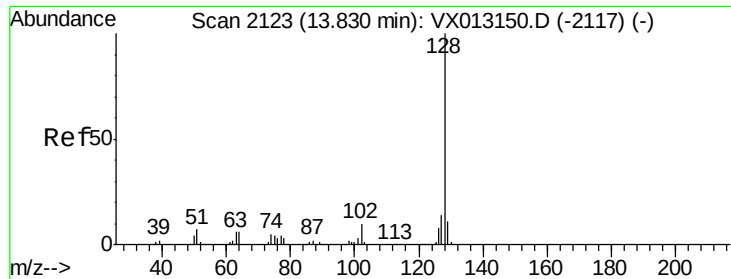
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#90
Hexachlorobutadiene
Concen: 18.394 ug/l
RT: 13.78 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VX013157.D
Acq: 21 Oct 2019 17:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	0.0	131.2
227	63.0	0.0	127.0





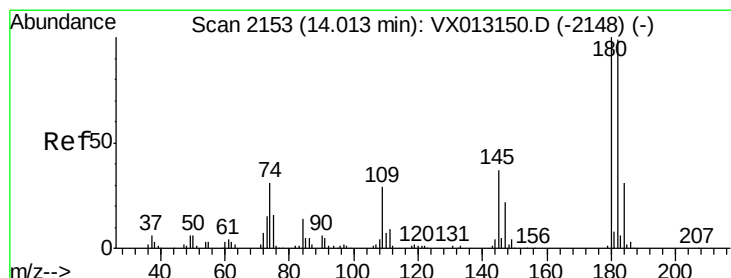
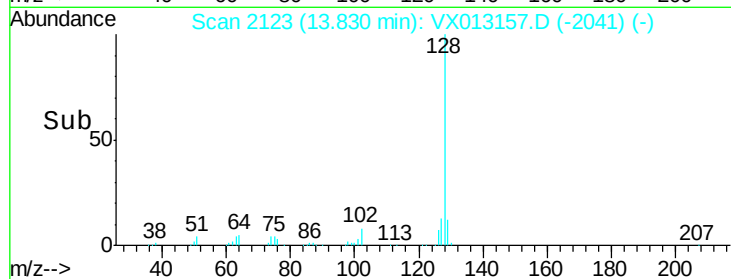
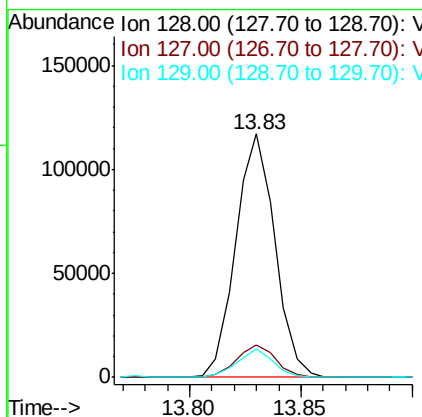
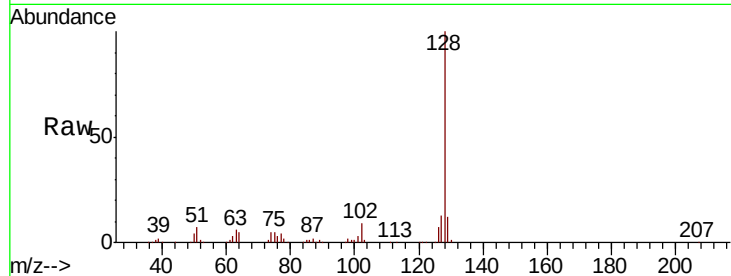
#91
Naphthalene
Concen: 19.313 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013157.D
Acq: 21 Oct 2019 17:18

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	11.0	8.6	12.8

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#92
1,2,3-Trichlorobenzene
Concen: 18.778 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX013157.D
Acq: 21 Oct 2019 17:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	0.0	194.4
145	34.3	0.0	71.2

