

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050119\
 Data File : VX009257.D
 Acq On : 01 May 2019 15:44
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX050119

Manual Integrations
 APPROVED

MMDadoda
 5/2/2019 10:53:31 AM

Quant Time: May 02 07:00:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:46:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	33586	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	196921	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	174025	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	82724	29.69	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.97%
60) 4-Bromofluorobenzene	11.13	95	87883	29.72	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.07%
63) Toluene-d8	8.71	98	249550	30.25	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	39368	22.059	ug/l 99
3) Chloromethane	1.32	50	52365	21.829	ug/l 99
4) Vinyl Chloride	1.40	62	50123	20.945	ug/l 98
5) Bromomethane	1.64	94	30997	20.434	ug/l 97
6) Chloroethane	1.72	64	31584	20.125	ug/l 100
7) Trichlorofluoromethane	1.93	101	63148	21.370	ug/l 100
8) Diethyl Ether	2.18	74	28920	21.077	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	41031	22.427	ug/l 98
10) 1,1-Dichloroethene	2.37	96	38898	21.174	ug/l 98
11) Methyl Iodide	2.51	142	38835	19.447	ug/l 99
12) Methyl Acetate	2.77	43	69003	19.942	ug/l 99
13) Acrolein	2.29	56	36151	76.175	ug/l 100
14) Acrylonitrile	3.13	53	151926	101.173	ug/l 99
15) Acetone	2.44	58	43675	101.301	ug/l 100
16) Carbon Disulfide	2.57	76	106801	21.487	ug/l 99
17) Allyl chloride	2.73	41	92020	20.865	ug/l 99
18) Methylene Chloride	2.85	84	47028	21.182	ug/l 96
19) trans-1,2-Dichloroethene	3.16	96	42367	21.630	ug/l 99
20) Diisopropyl ether	3.85	45	184187	21.207	ug/l 93
21) 1,1-Dichloroethane	3.69	63	88257	20.998	ug/l 98
22) cis-1,2-Dichloroethene	4.59	96	49113	20.817	ug/l 97
23) tert-Butyl Alcohol	3.04	59	61954	97.571	ug/l 100
24) Methyl tert-Butyl Ether	3.19	73	151418	21.062	ug/l 99
25) Chloroform	5.20	83	81288	21.193	ug/l 98
26) Cyclohexane	5.57	56	86095	21.979	ug/l # 100
29) 1,1-Dichloropropene	5.80	75	62053	21.476	ug/l 99
30) 2-Butanone	4.67	43	228887	101.148	ug/l 100
31) 2,2-Dichloropropane	4.58	77	67776	21.277	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	67407	21.519	ug/l 97
33) Carbon Tetrachloride	5.77	117	55983	21.361	ug/l 99
34) Benzene	6.14	78	190048	21.334	ug/l 99
35) Methacrylonitrile	5.04	41	48372	20.431	ug/l 97
36) 1,2-Dichloroethane	6.19	62	68913	21.320	ug/l 99
37) Trichloroethene	7.21	130	45665	21.295	ug/l 99
38) Methylcyclohexane	7.46	83	79811	22.357	ug/l 99
39) 1,2-Dichloropropane	7.51	63	53755	21.190	ug/l 99
40) Dibromomethane	7.66	93	29901	20.767	ug/l 98

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	61635	20.957	ug/l	96
42) Vinyl Acetate	3.81	43	793464	106.240	ug/l	100
43) Ethyl Acetate	4.82	43	84034	20.551	ug/l	98
44) Isopropyl Acetate	6.44	43	136153	20.554	ug/l	99
45) 1,4-Dioxane	7.74	88	26015	400.012	ug/l	99
46) Methyl methacrylate	7.77	41	67851	20.522	ug/l	99
47) n-amyl Acetate	10.90	43	121583	20.375	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	72112	21.015	ug/l	97
49) cis-1,3-Dichloropropene	8.43	75	78610	20.867	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	46919	21.270	ug/l	97
51) Ethyl methacrylate	9.18	69	84845	20.814	ug/l	97
52) 1,3-Dichloropropane	9.37	76	82442	21.058	ug/l	100
53) Dibromochloromethane	9.58	129	45729	20.815	ug/l	99
54) 1,2-Dibromoethane	9.67	107	47724	21.095	ug/l	99
55) 2-Chloroethyl vinyl ether	8.30	63	210077	96.712	ug/l	99
56) Bromoform	10.85	173	33984	20.152	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	439258	102.653	ug/l	100
59) 2-Hexanone	9.49	43	344999	102.792	ug/l	100
61) Tetrachloroethene	9.33	164	42443	22.124	ug/l	98
62) Toluene	8.78	91	201663	21.686	ug/l	99
64) Chlorobenzene	10.13	112	120082	21.456	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	43258	21.110	ug/l	100
66) Ethyl Benzene	10.25	91	224500	21.671	ug/l	99
67) m/p-Xylenes	10.35	106	164146	43.399	ug/l	99
68) o-Xylene	10.69	106	80472	21.638	ug/l	97
69) Styrene	10.71	104	139772	21.409	ug/l	100
70) Isopropylbenzene	11.02	105	217731	21.769	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	75960	20.737	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	67004m	21.227	ug/l	
73) Bromobenzene	11.26	156	53161	21.512	ug/l	100
74) n-propylbenzene	11.36	91	255898	22.078	ug/l	99
75) 2-Chlorotoluene	11.42	91	150895	21.705	ug/l	98
76) 1,3,5-Trimethylbenzene	11.51	105	184988	21.834	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	24675	19.379	ug/l	97
78) 4-Chlorotoluene	11.51	91	171421	21.710	ug/l	99
79) tert-butylbenzene	11.77	119	177950	21.727	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	185622	21.859	ug/l	100
81) sec-Butylbenzene	11.94	105	216048	22.202	ug/l	99
82) p-Isopropyltoluene	12.06	119	195319	22.065	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	94665	21.450	ug/l	100
84) 1,4-Dichlorobenzene	12.10	146	93224	21.202	ug/l	99
85) n-Butylbenzene	12.38	91	181331	22.388	ug/l	99
86) Hexachloroethane	12.60	117	32077	21.296	ug/l	98
87) 1,2-Dichlorobenzene	12.39	146	95303	21.452	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	13.00	75	17987	21.131	ug/l	95
89) 1,2,4-Trichlorobenzene	13.65	180	69858	22.062	ug/l	98
90) Hexachlorobutadiene	13.78	225	35848	22.665	ug/l	99
91) Naphthalene	13.83	128	227614	21.955	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	71048	22.073	ug/l	98

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ClientSampleId :
ICVVX050119

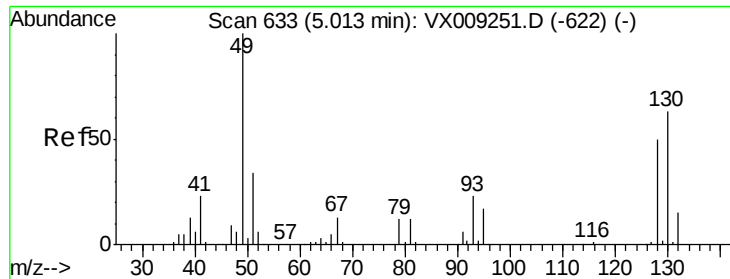
Manual Integrations
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QLast Update : Thu May 02 06:46:57 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

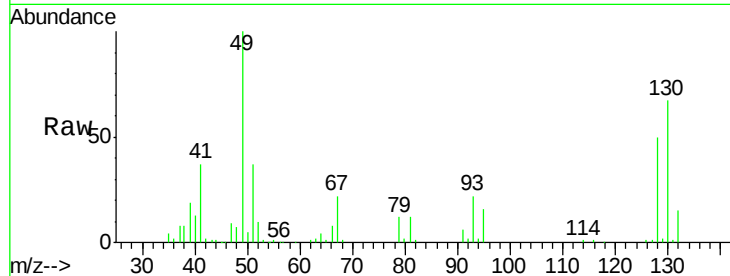
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.00 min
Lab File: VX009257.D
Acq: 01 May 2019 15:44

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050119

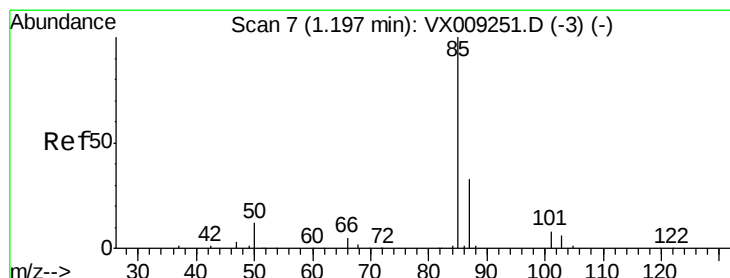
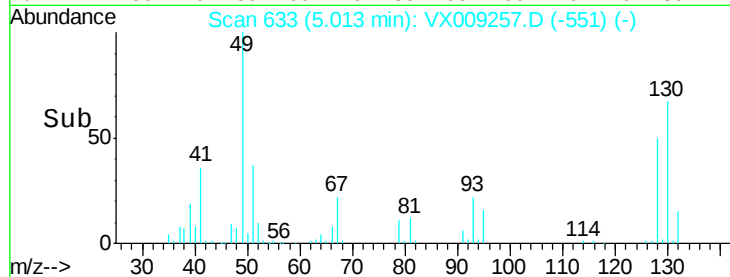
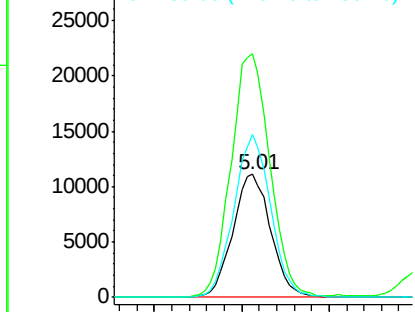
Tot Ion	Ratio	Lower	Upper
128	100		
49	203.1	0.0	515.0
130	128.5	0.0	323.3

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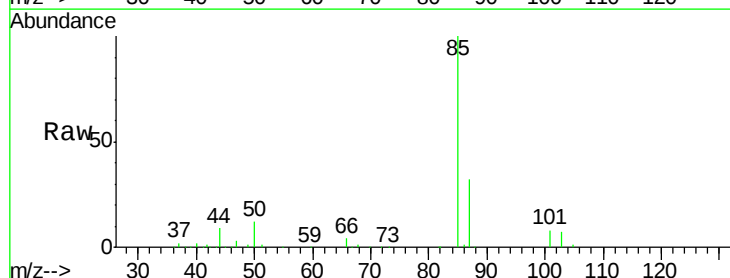
Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VX0
Ion 130.00 (129.70 to 130.70): V



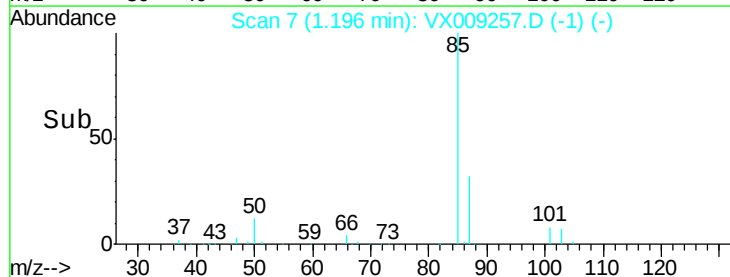
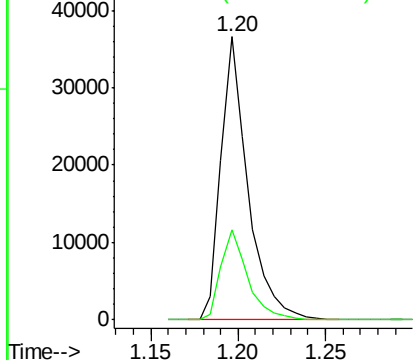
#2

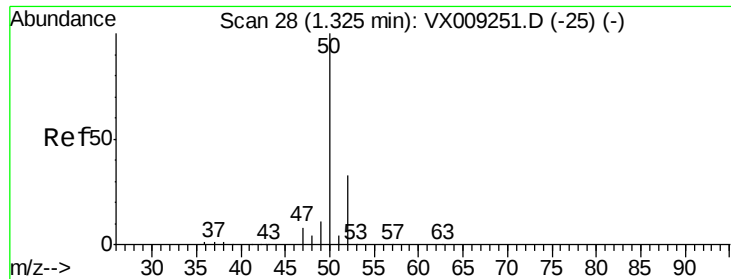
Dichlorodifluoromethane
Concen: 22.059 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX009257.D
Acq: 01 May 2019 15:44

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.3	48.9



Abundance Ion 85.00 (84.70 to 85.70): VX0
Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 21.829 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009257.D

Acq: 01 May 2019 15:44

Instrument :

MSVOA_X

ClientSampled :

ICVVX050119

Tot Ion: 50 Resp: 52365

Ion Ratio Lower Upper

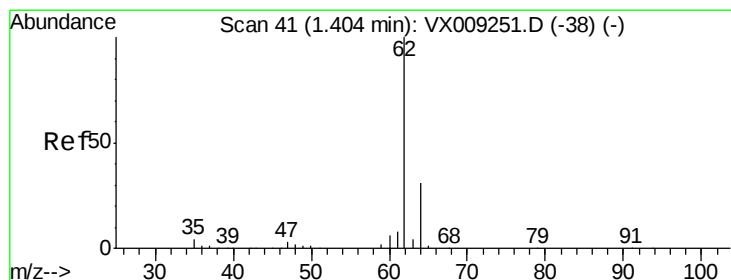
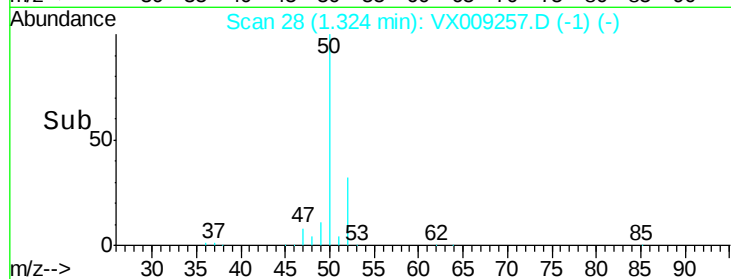
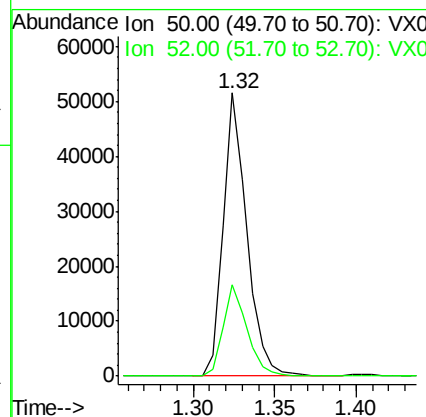
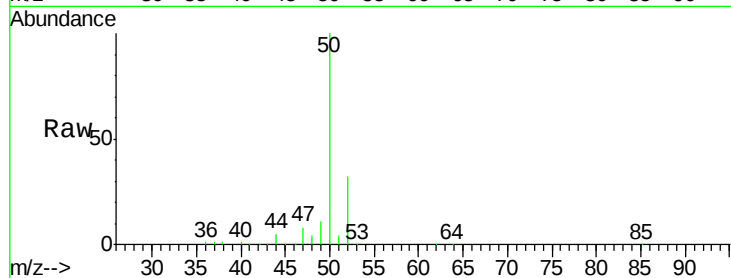
50 100

52 32.3 26.3 39.5

Manual Integrations
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#4

Vinyl Chloride

Concen: 20.945 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX009257.D

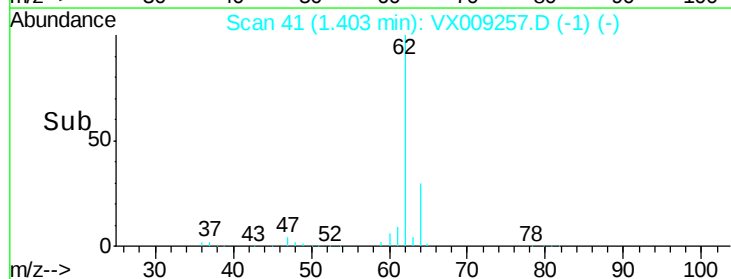
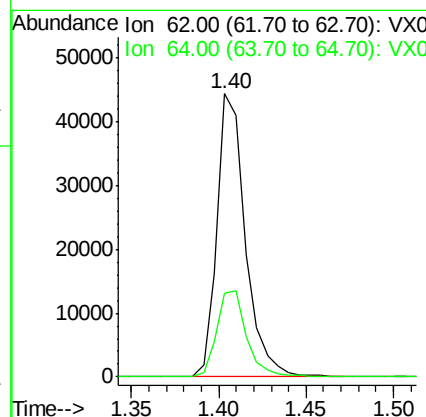
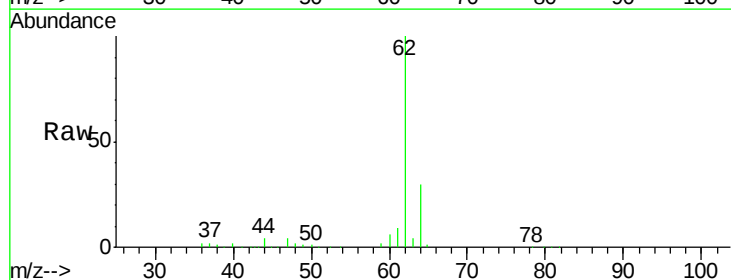
Acq: 01 May 2019 15:44

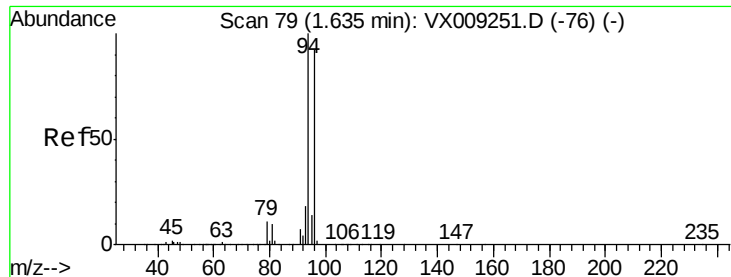
Tgt Ion: 62 Resp: 50123

Ion Ratio Lower Upper

62 100

64 29.6 24.6 36.8





#5

Bromomethane

Concen: 20.434 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009257.D

Acq: 01 May 2019 15:44

Instrument :

MSVOA_X

ClientSampleId :

ICVVX050119

Tot Ion: 94 Resp: 30997

Ion Ratio Lower Upper

94 100

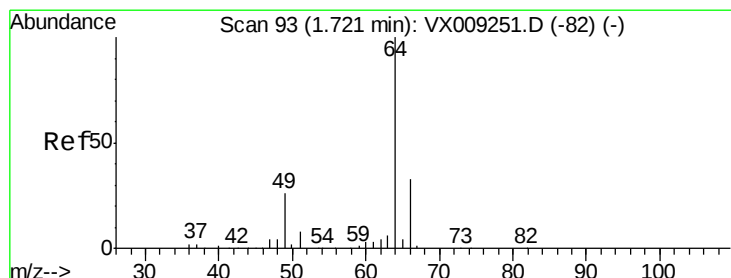
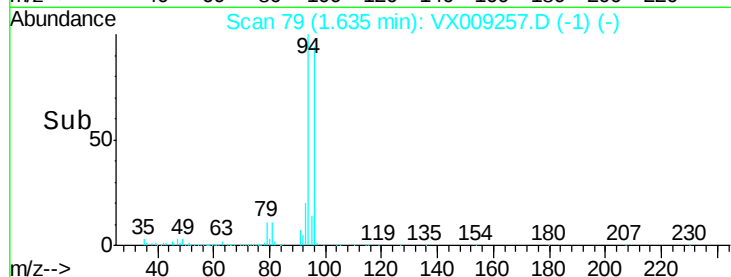
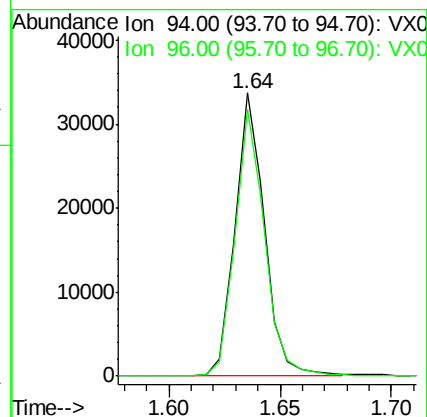
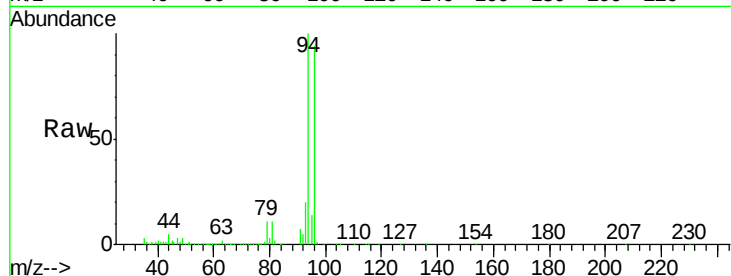
96 94.8 73.5 110.3

Manual Integrations

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#6

Chloroethane

Concen: 20.125 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX009257.D

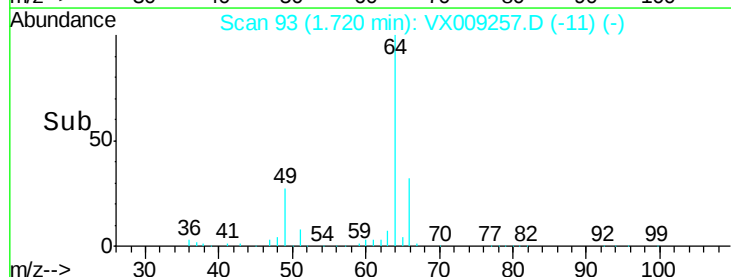
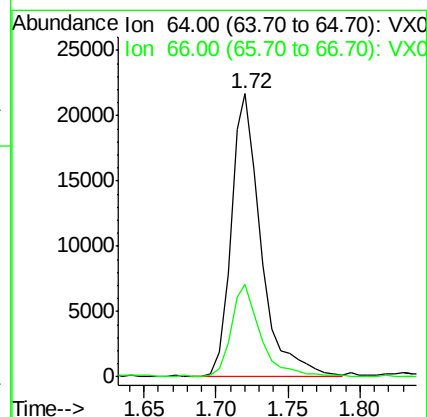
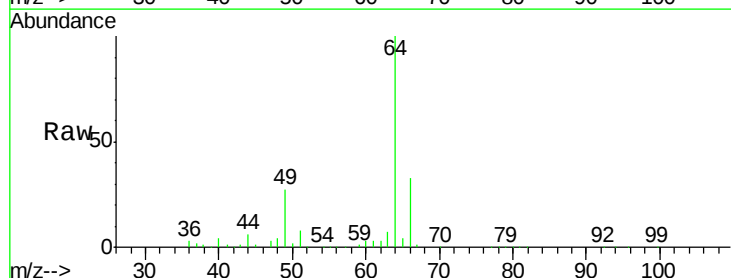
Acq: 01 May 2019 15:44

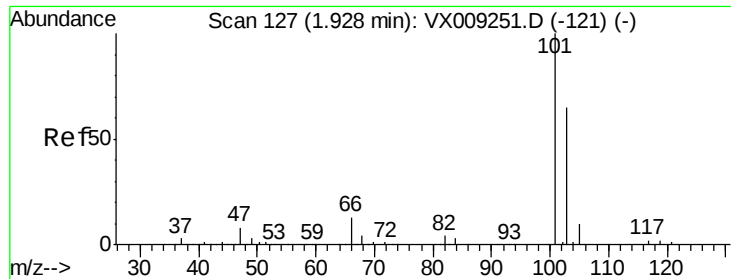
Tgt Ion: 64 Resp: 31584

Ion Ratio Lower Upper

64 100

66 32.6 25.9 38.9





#7

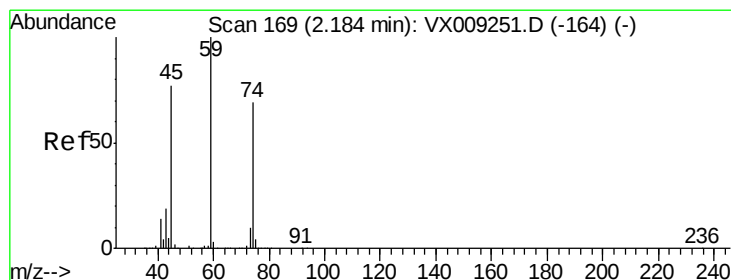
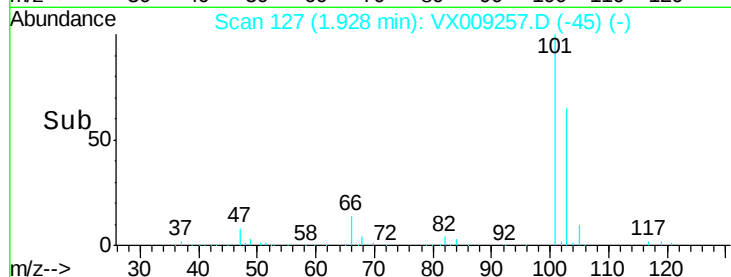
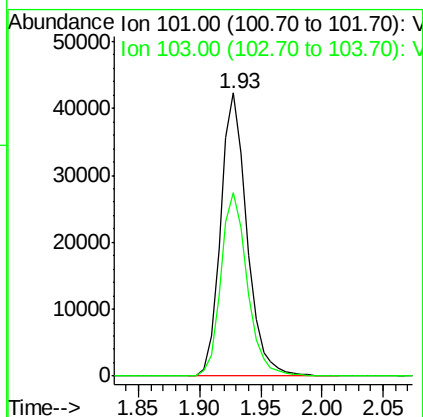
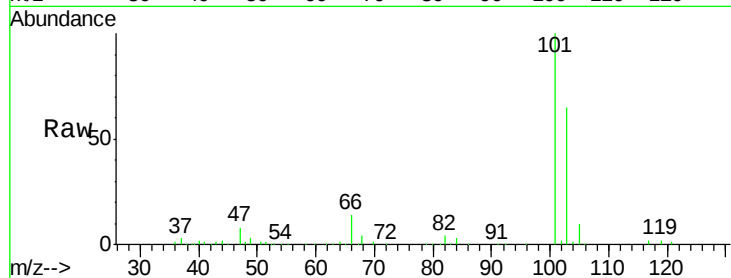
Trichlorofluoromethane
Concen: 21.370 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX009257.D
Acq: 01 May 2019 15:44

Instrument :
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ClientSampleId :
ICVVX050119

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.9	77.9

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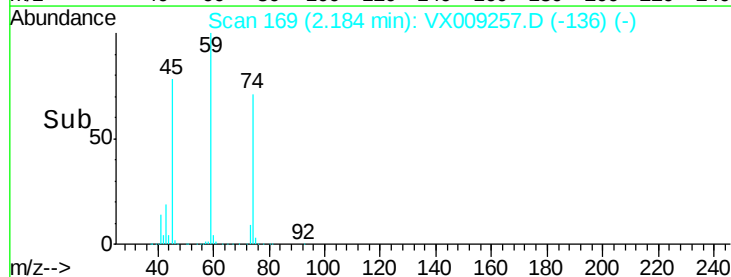
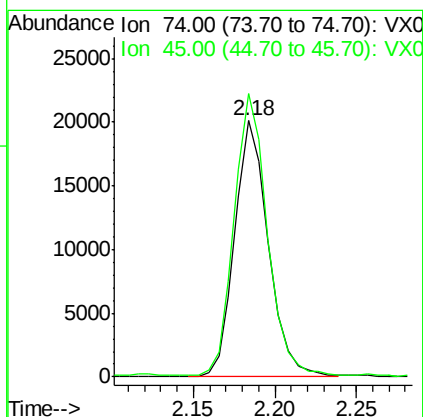
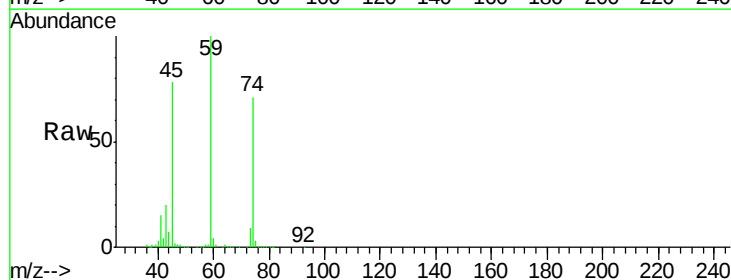
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5/2/2019 10:53:31 AM

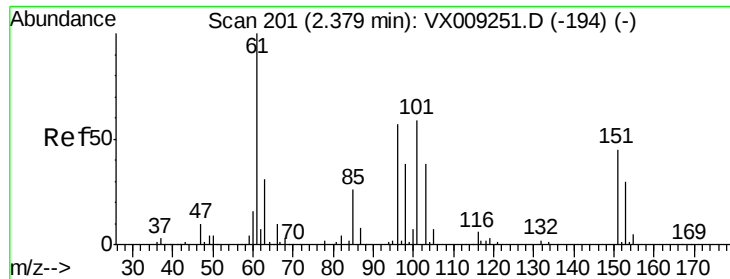


#8

Diethyl Ether
Concen: 21.077 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX009257.D
Acq: 01 May 2019 15:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.2	21.5	193.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.427 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009257.D

Acq: 01 May 2019 15:44

Instrument :

MSVOA_X

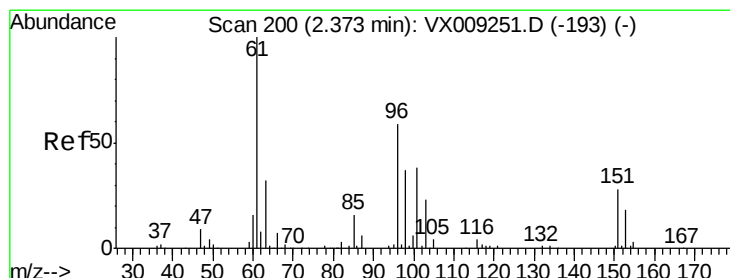
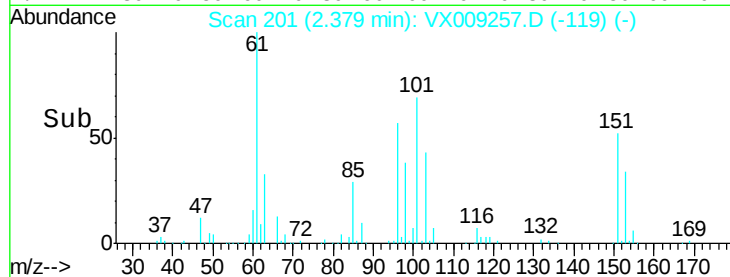
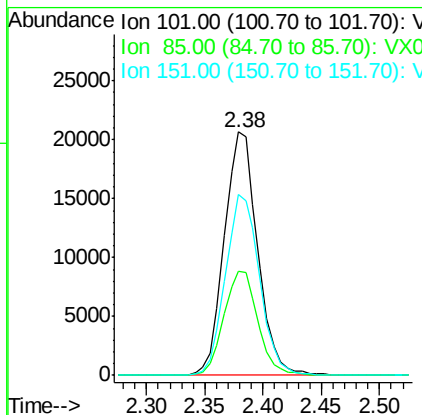
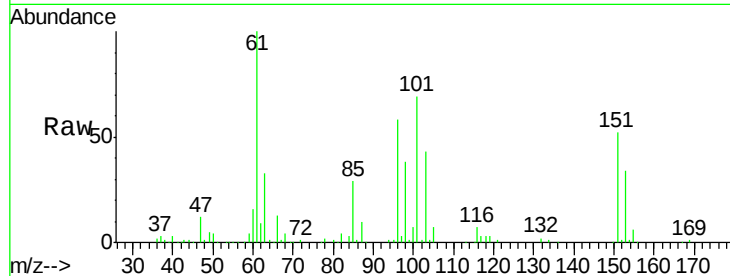
ClientSampled :

ICVVX050119

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.4	0.0	87.4
151	76.1	0.0	157.0

Manual Integrations
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5/2/2019 10:53:31 AM



#10

1,1-Dichloroethene

Concen: 21.174 ug/l

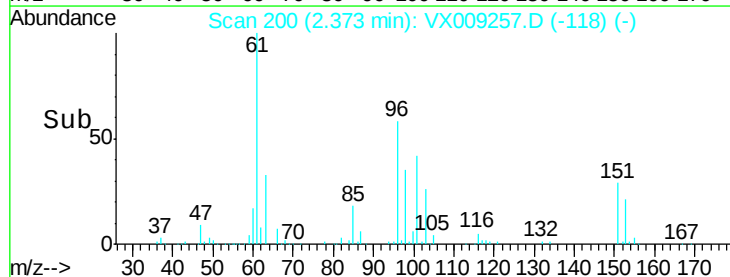
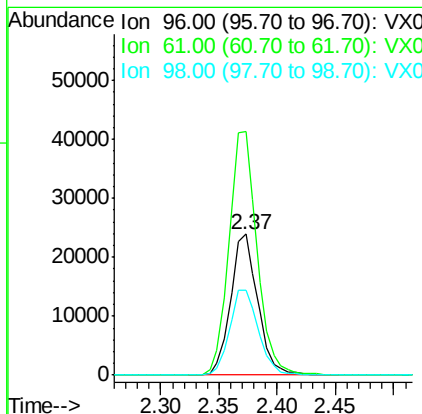
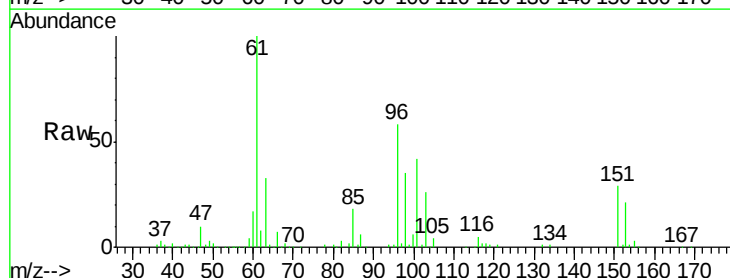
RT: 2.37 min Scan# 200

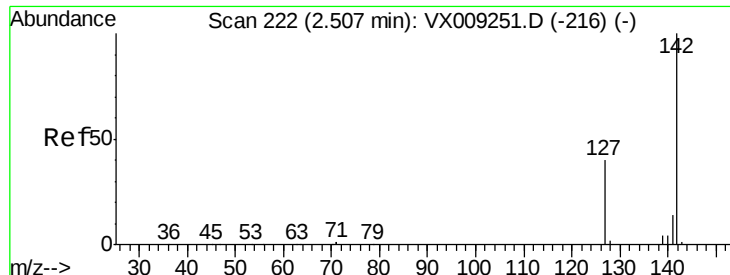
Delta R.T. -0.00 min

Lab File: VX009257.D

Acq: 01 May 2019 15:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.9	136.5	204.7
98	60.6	51.0	76.4





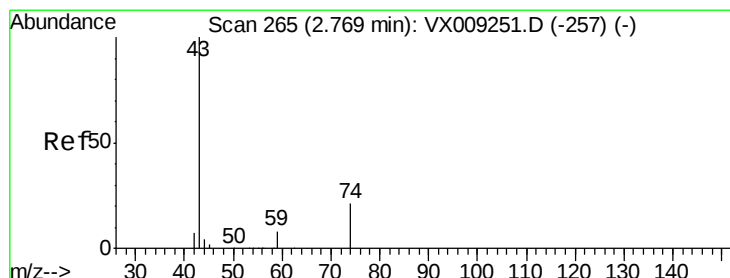
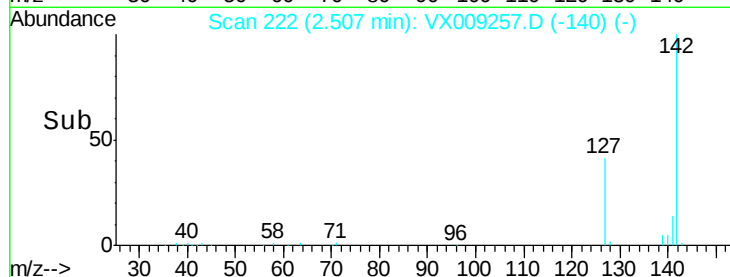
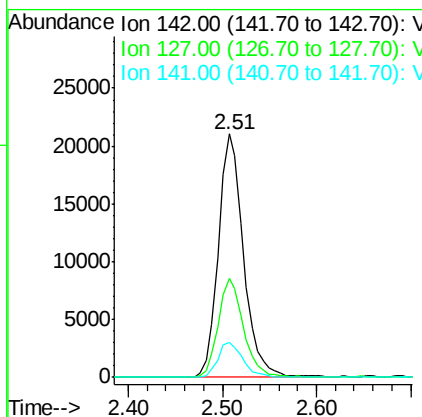
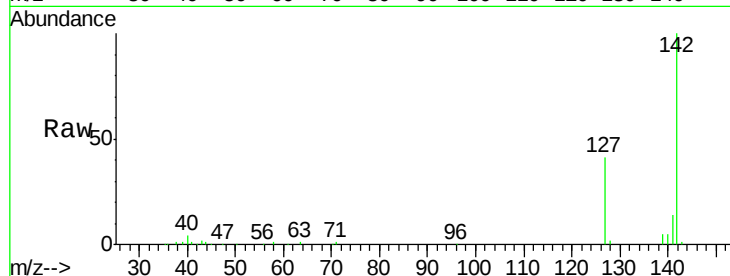
#11
Methvl Iodide
Concen: 19.447 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.00 min
Lab File: VX009257.D
Acq: 01 May 2019 15:44

Instrument :
MSVOA_X
ClientSampled :
ICVVX050119

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.9	20.2	60.5
141	14.4	6.9	20.7

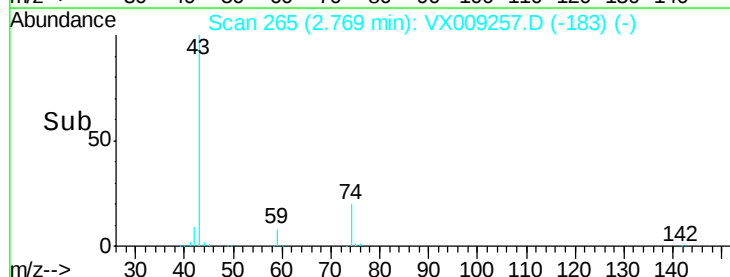
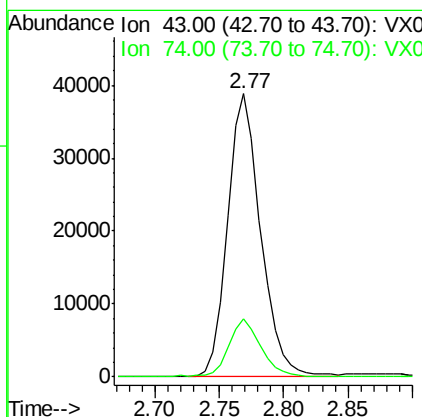
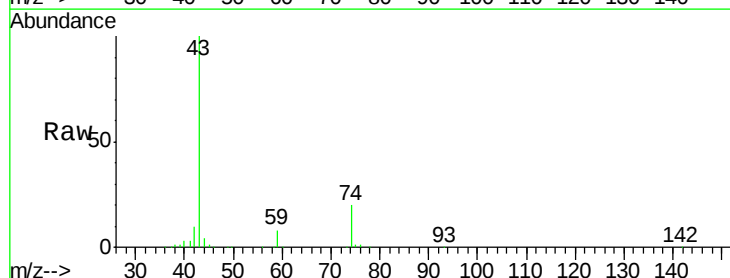
Manual Integrations
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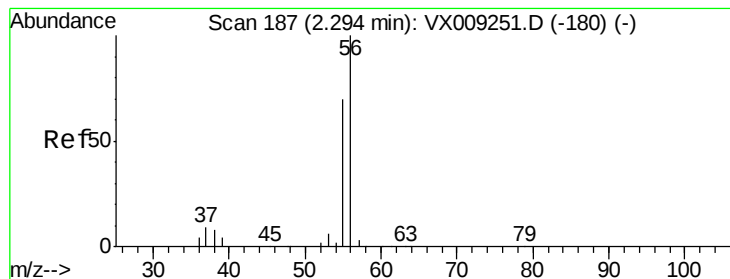
MMDadoda
5/2/2019 10:53:31 AM



#12
Methyl Acetate
Concen: 19.942 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.00 min
Lab File: VX009257.D
Acq: 01 May 2019 15:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.2	16.5	24.7





#13

Acrolein

Concen: 76.175 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX009257.D

Acq: 01 May 2019 15:44

Instrument :

MSVOA_X

ClientSampleId :

ICVVX050119

Tot Ion: 56 Resp: 36151

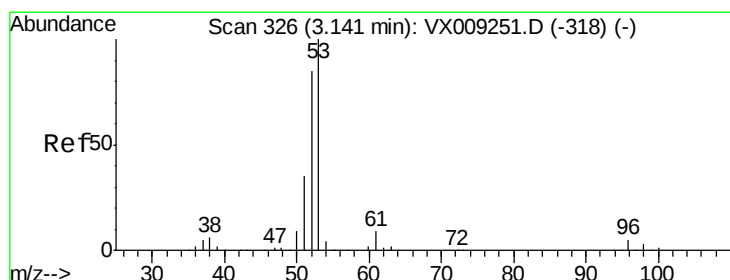
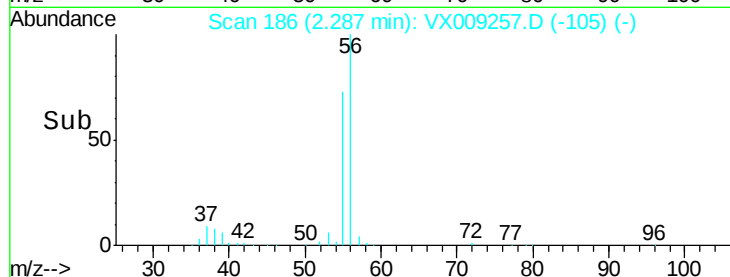
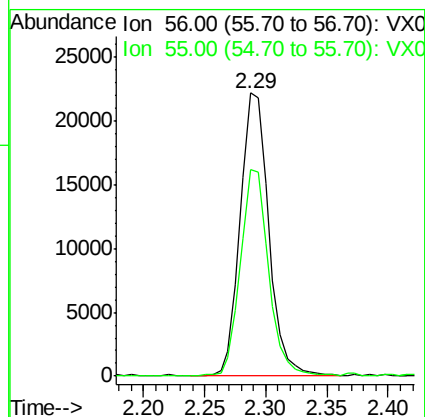
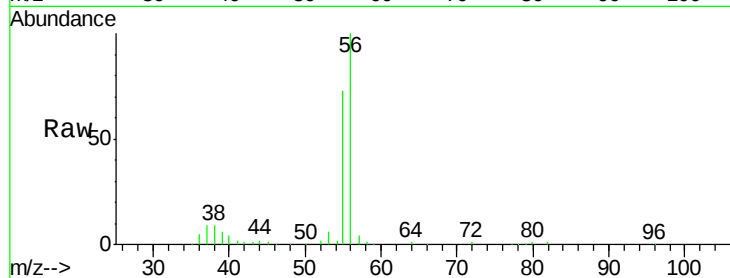
Ion Ratio Lower Upper

56 100

55 70.7 56.9 85.3

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#14

Acrylonitrile

Concen: 101.173 ug/l

RT: 3.13 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX009257.D

Acq: 01 May 2019 15:44

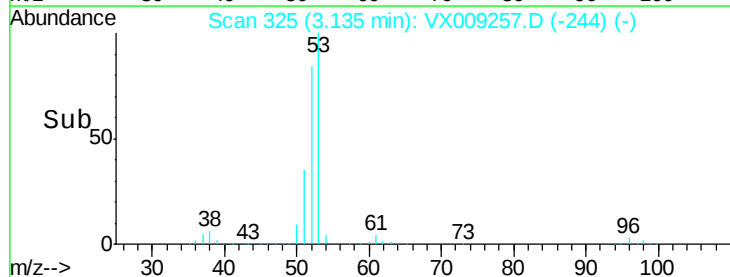
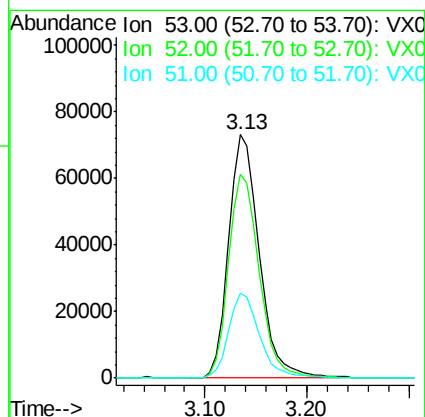
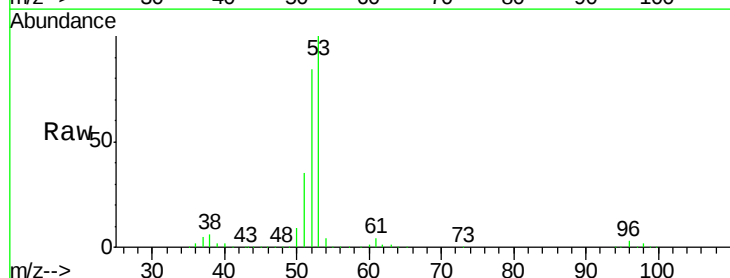
Tgt Ion: 53 Resp: 151926

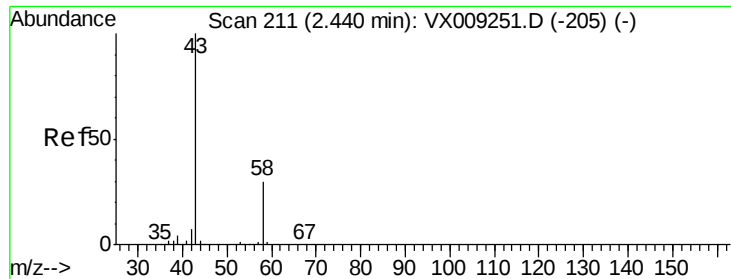
Ion Ratio Lower Upper

53 100

52 84.0 41.5 124.5

51 35.6 17.8 53.3





#15

Acetone

Concen: 101.301 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX009257.D

Acq: 01 May 2019 15:44

Instrument :

MSVOA_X

ClientSampleId :

ICVVX050119

Tot Ion: 58 Resp: 43675

Ion Ratio Lower Upper

58 100

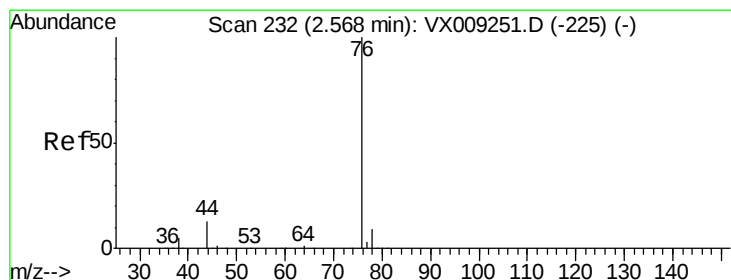
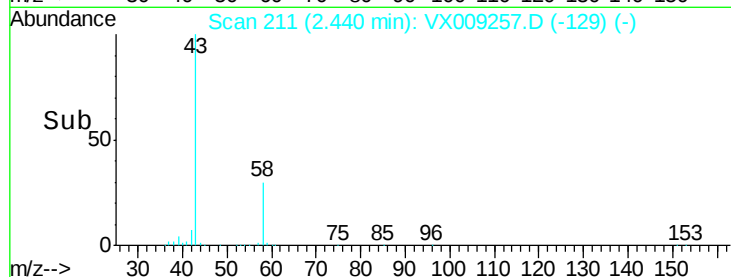
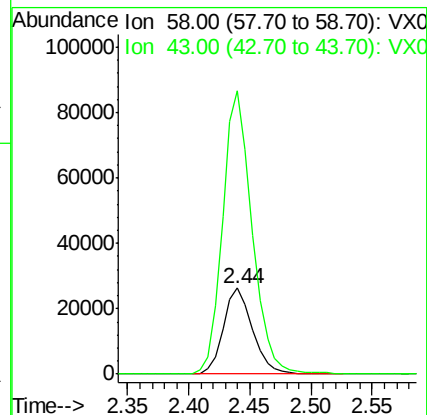
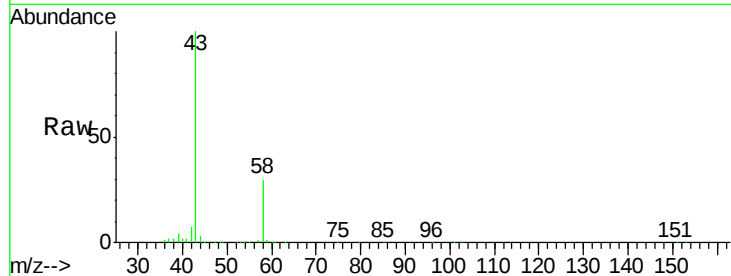
43 329.6 264.0 396.0

Manual Integrations

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#16

Carbon Disulfide

Concen: 21.487 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009257.D

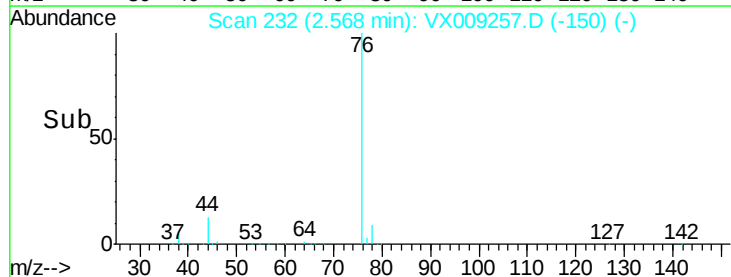
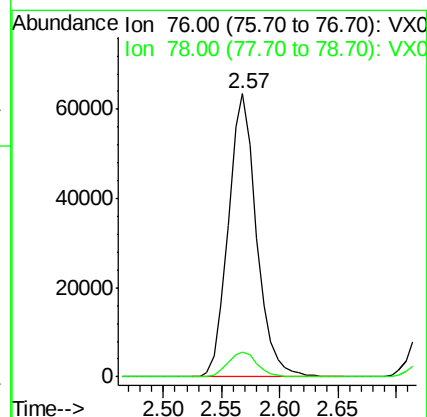
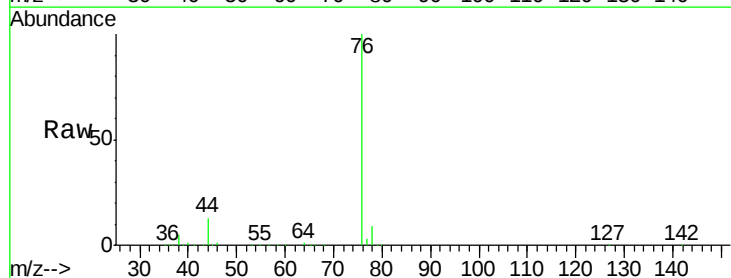
Acq: 01 May 2019 15:44

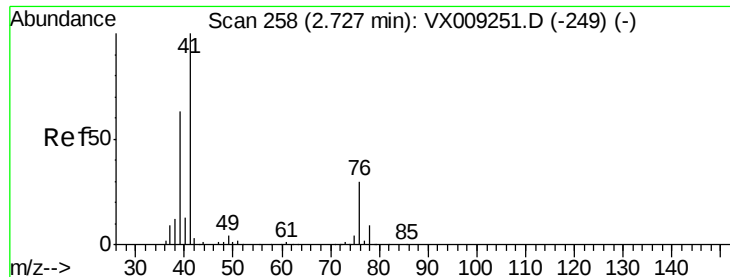
Tgt Ion: 76 Resp: 106801

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2





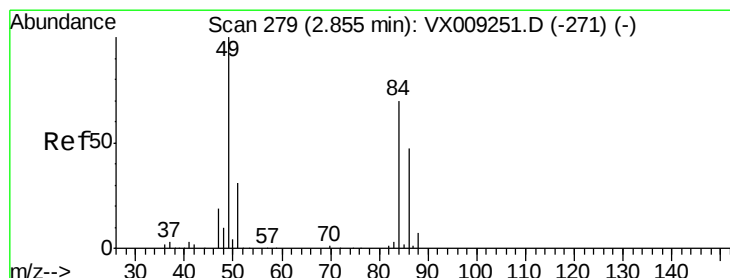
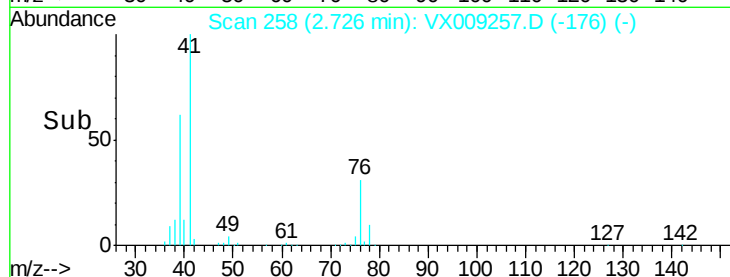
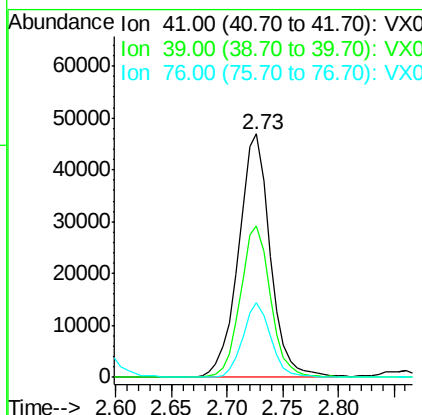
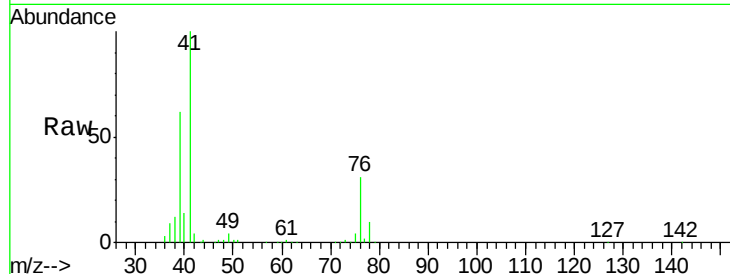
#17
Allvl chloride
Concen: 20.865 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX009257.D
Acq: 01 May 2019 15:44

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050119

Tot Ion:	41	Resp:	92020
Ion	Ratio	Lower	Upper
41	100		
39	62.0	31.6	94.7
76	30.6	15.1	45.3

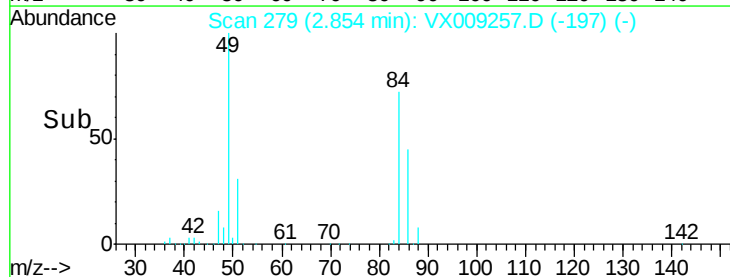
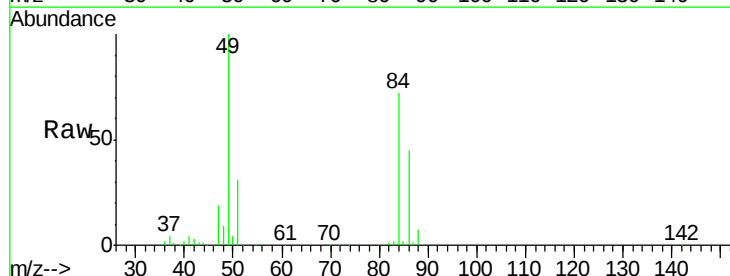
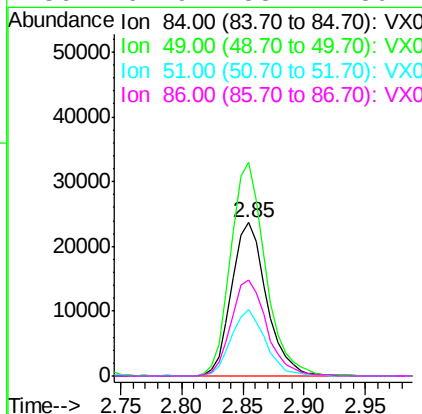
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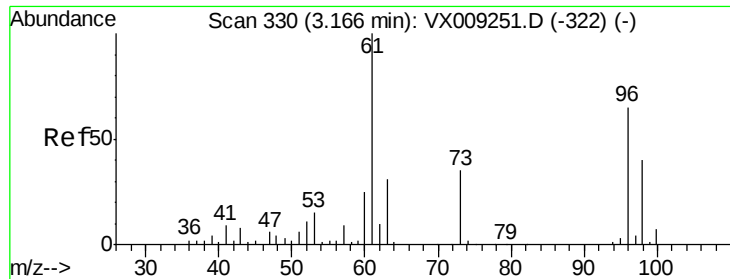
MMDadoda
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#18
Methylene Chloride
Concen: 21.182 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009257.D
Acq: 01 May 2019 15:44

Tgt Ion:	84	Resp:	47028
Ion	Ratio	Lower	Upper
84	100		
49	139.1	114.6	171.8
51	43.1	35.5	53.3
86	62.9	53.4	80.2





#19

trans-1,2-Dichloroethene

Concen: 21.630 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX009257.D

Acq: 01 May 2019 15:44

Instrument :

MSVOA_X

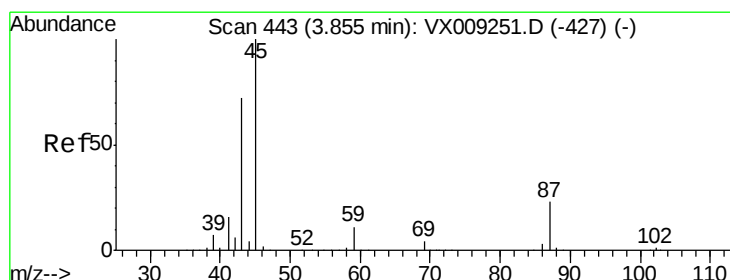
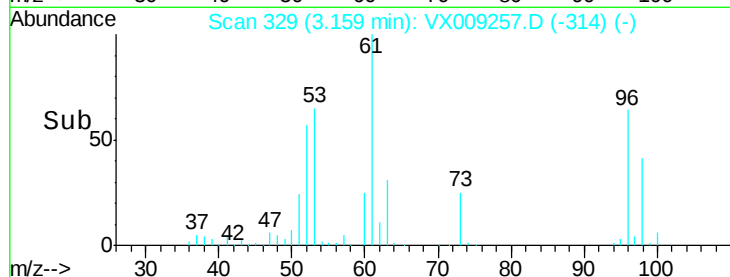
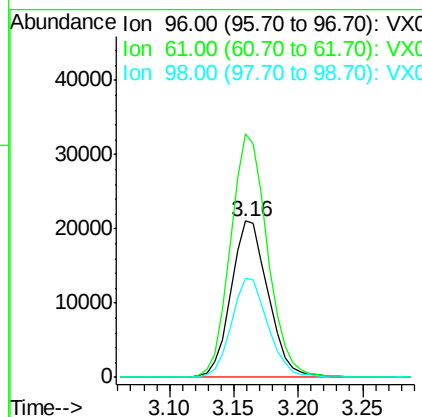
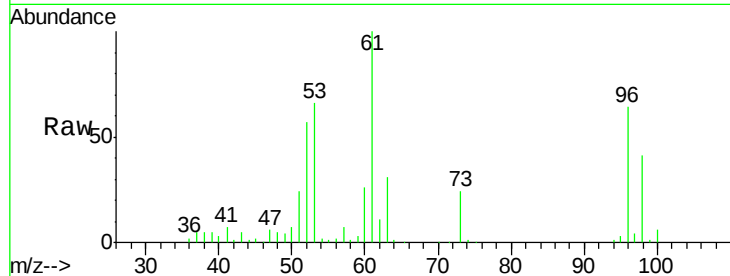
ClientSampleId :

ICVVX050119

Tot Ion:	96	Resp:	42367
Ion	Ratio	Lower	Upper
96	100		
61	155.1	122.7	184.1
98	63.2	49.5	74.3

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#20

Diisopropyl ether

Concen: 21.207 ug/l

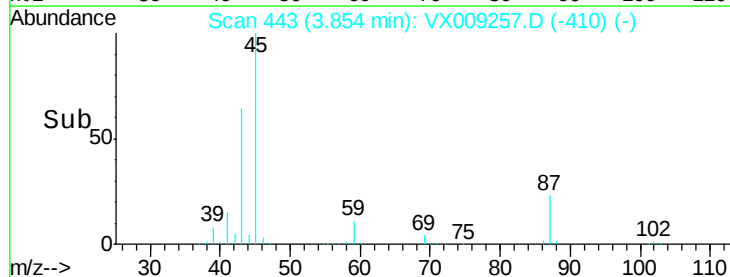
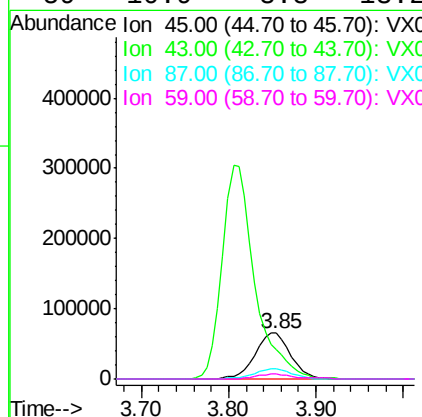
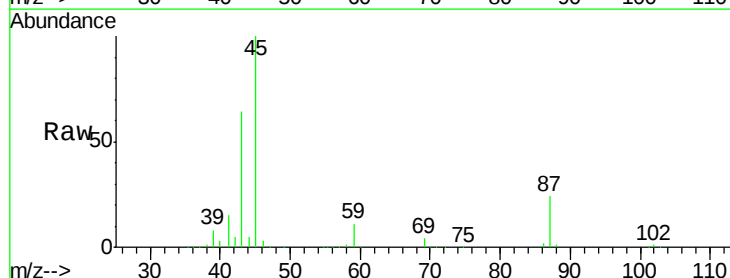
RT: 3.85 min Scan# 443

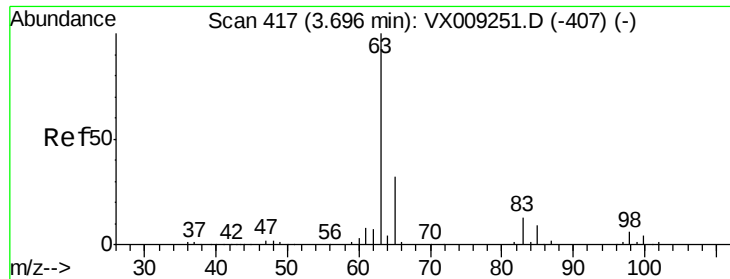
Delta R.T. -0.00 min

Lab File: VX009257.D

Acq: 01 May 2019 15:44

Tgt Ion:	45	Resp:	184187
Ion	Ratio	Lower	Upper
45	100		
43	64.1	57.7	86.5
87	23.5	18.5	27.7
59	10.9	8.8	13.2





#21

1,1-Dichloroethane

Concen: 20.998 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX009257.D

Acq: 01 May 2019 15:44

Instrument :

MSVOA_X

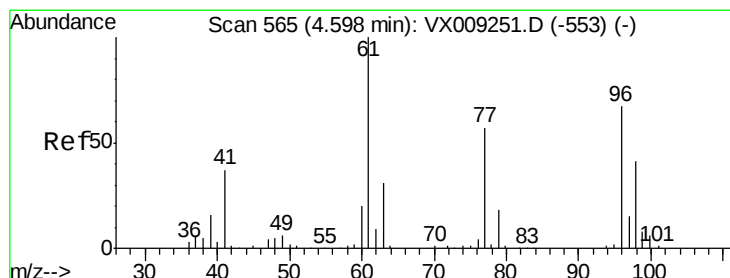
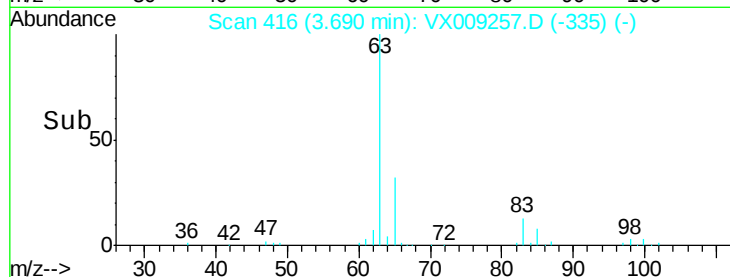
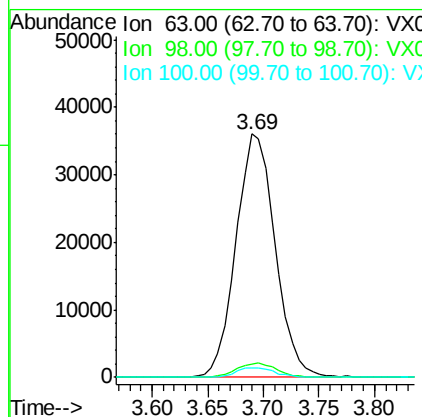
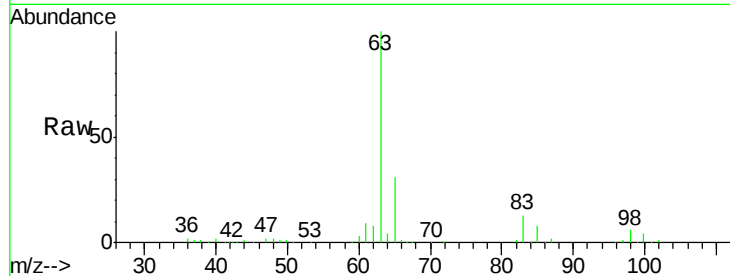
ClientSampleId :

ICVVX050119

Tot Ion:	63	Resp:	88257
Ion Ratio	Lower	Upper	
63	100		
98	5.5	3.1	9.3
100	3.7	2.2	6.6

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 20.817 ug/l

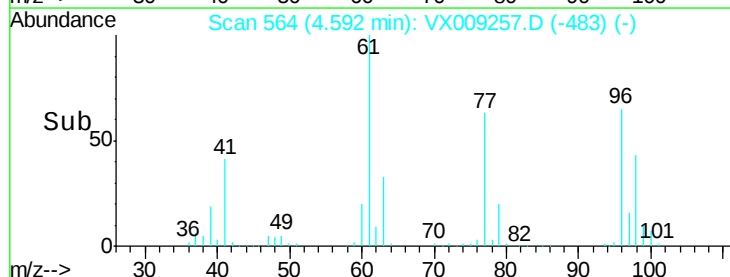
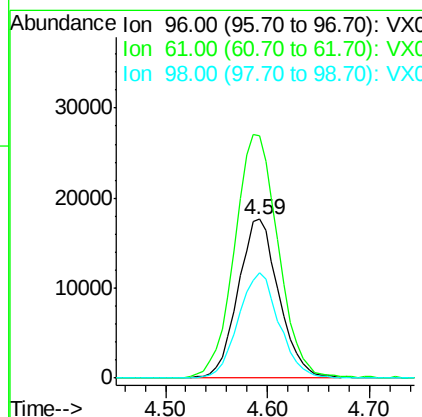
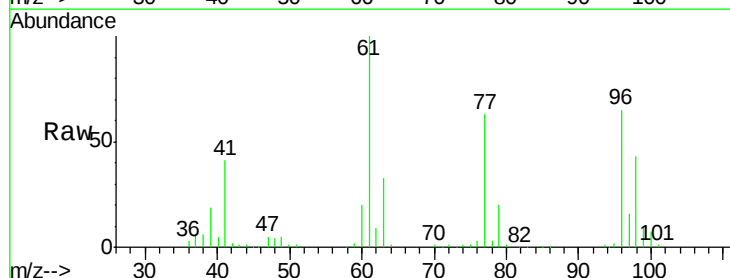
RT: 4.59 min Scan# 564

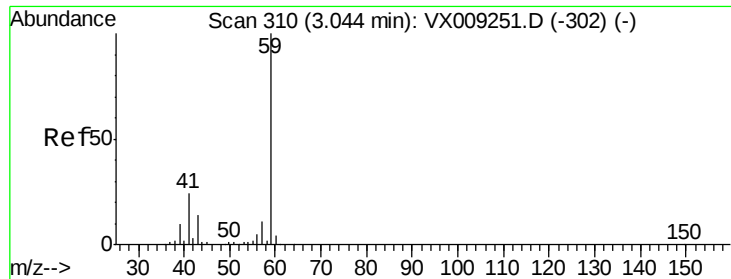
Delta R.T. -0.01 min

Lab File: VX009257.D

Acq: 01 May 2019 15:44

Tgt Ion:	96	Resp:	49113
Ion Ratio	Lower	Upper	
96	100		
61	163.7	127.7	191.5
98	66.2	50.5	75.7





#23

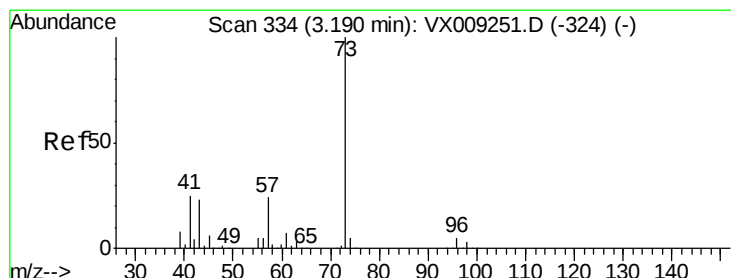
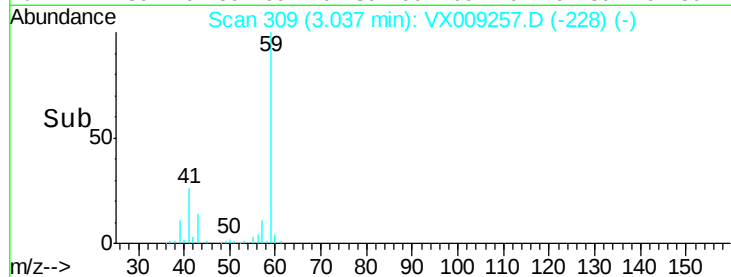
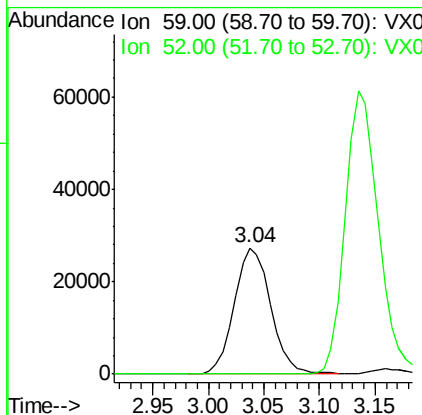
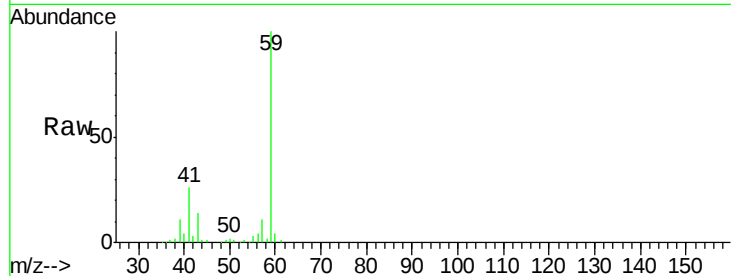
tert-Butyl Alcohol
 Concen: 97.571 ug/l
 RT: 3.04 min Scan# 309
 Delta R.T. -0.01 min
 Lab File: VX009257.D
 Acq: 01 May 2019 15:44

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX050119

Tot Ion	59	52	Ratio	Lower	Upper
61954	100	0.2		0.2	0.2

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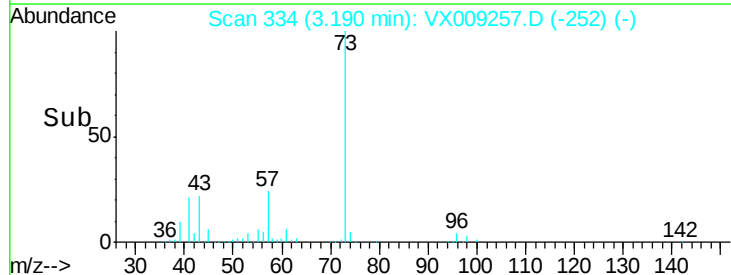
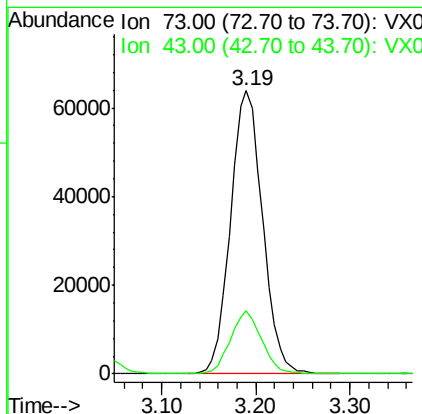
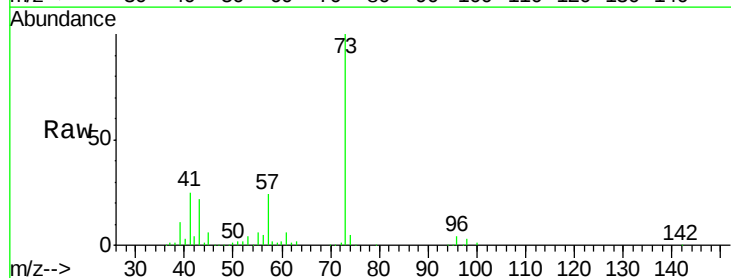
MMDadoda
 5/2/2019 10:53:31 AM

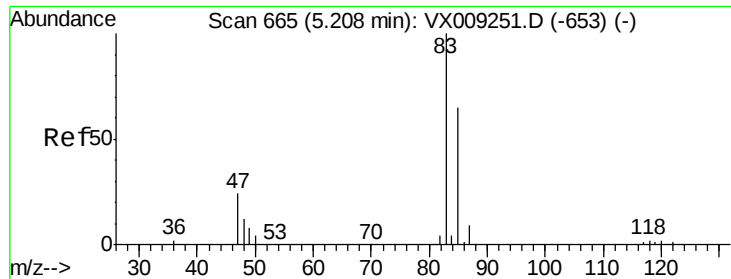


#24

Methyl tert-Butyl Ether
 Concen: 21.062 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. -0.00 min
 Lab File: VX009257.D
 Acq: 01 May 2019 15:44

Tgt Ion	73	43	Ratio	Lower	Upper
151418	100	21.3		17.6	26.4





#25

Chloroform

Concen: 21.193 ug/l

RT: 5.20 min Scan# 664

Delta R.T. -0.01 min

Lab File: VX009257.D

Acq: 01 May 2019 15:44

Instrument :

MSVOA_X

ClientSampleId :

ICVVX050119

Tot Ion: 83 Resp: 81288

Ion Ratio Lower Upper

83 100

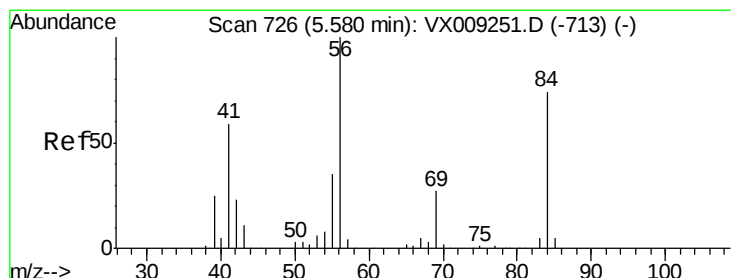
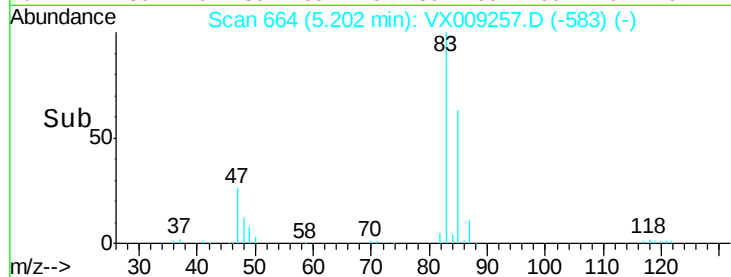
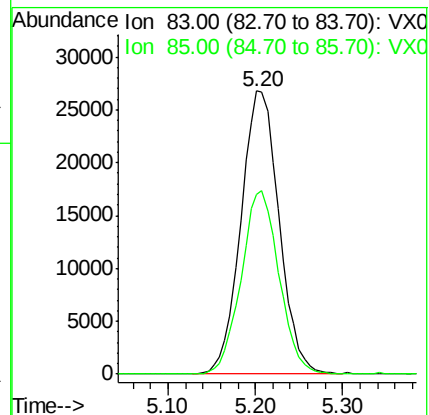
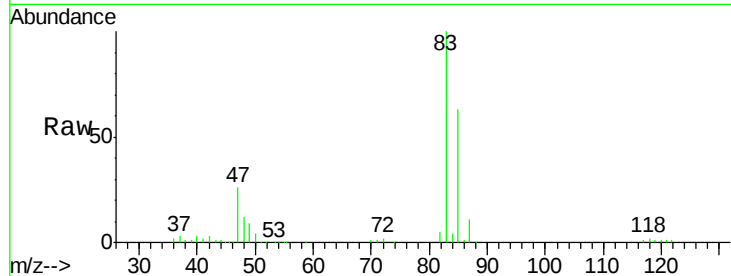
85 63.4 51.9 77.9

Manual Integrations

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#26

Cyclohexane

Concen: 21.979 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX009257.D

Acq: 01 May 2019 15:44

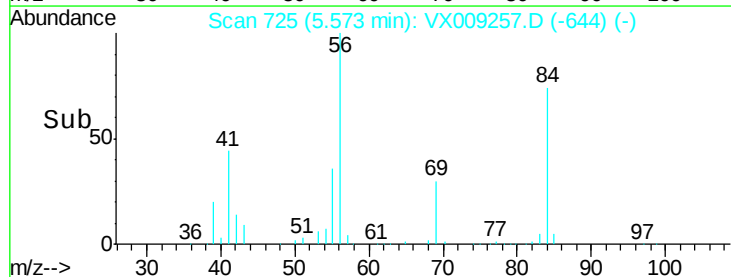
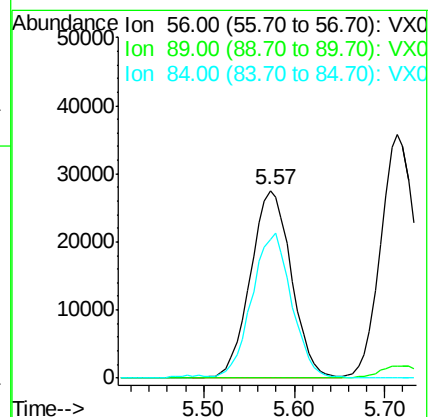
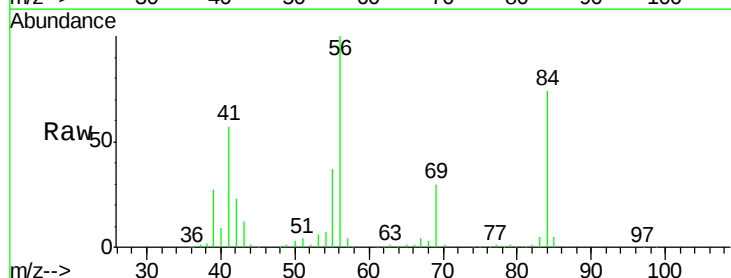
Tgt Ion: 56 Resp: 86095

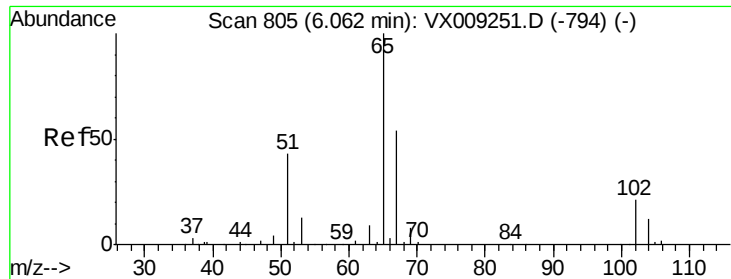
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 74.6 59.7 89.5





#27

1,2-Dichloroethane-d4

Concen: 29.692 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX009257.D

Acq: 01 May 2019 15:44

Instrument :

MSVOA_X

ClientSampleId :

ICVVX050119

Tot Ion: 65 Resp: 82724

Ion Ratio Lower Upper

65 100

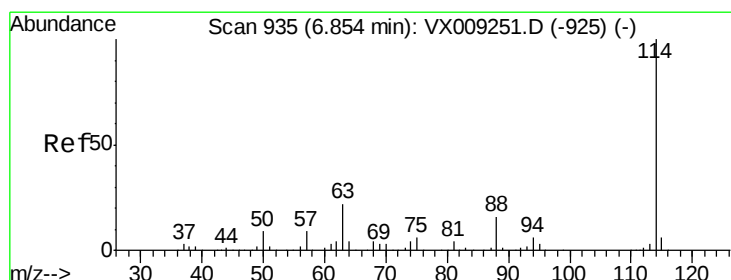
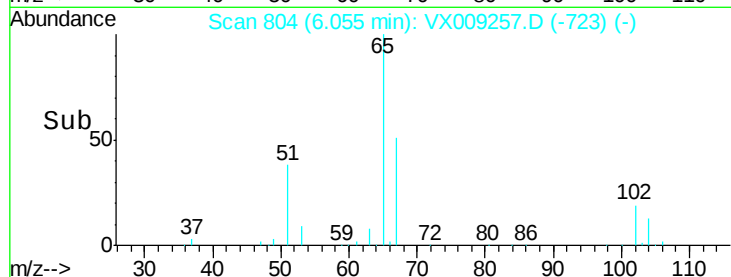
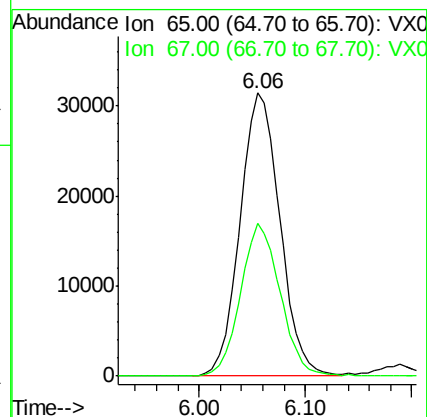
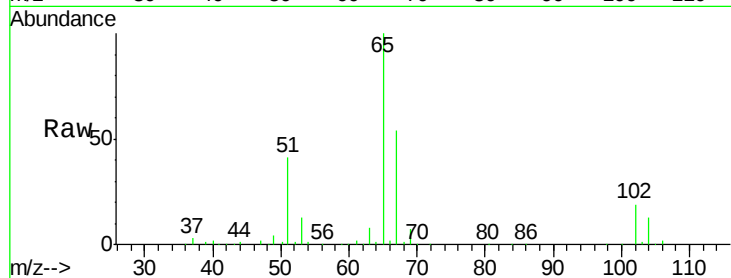
67 53.4 43.1 64.7

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.00 min

Lab File: VX009257.D

Acq: 01 May 2019 15:44

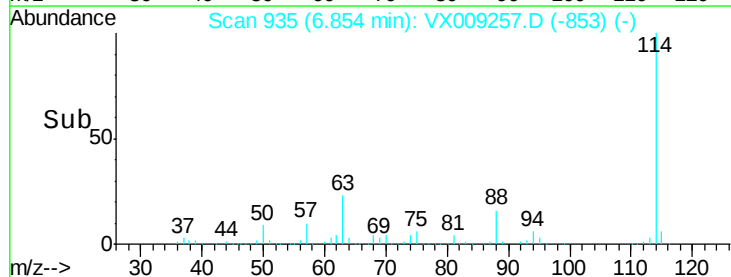
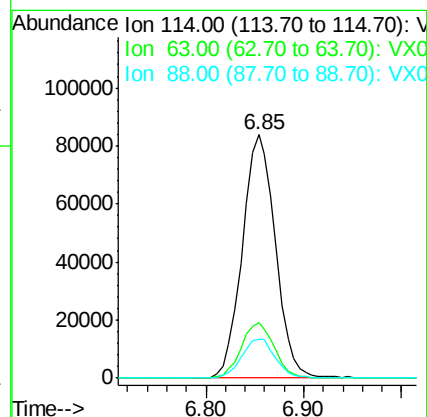
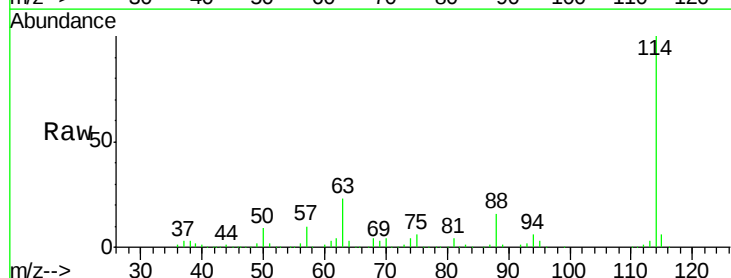
Tgt Ion: 114 Resp: 196921

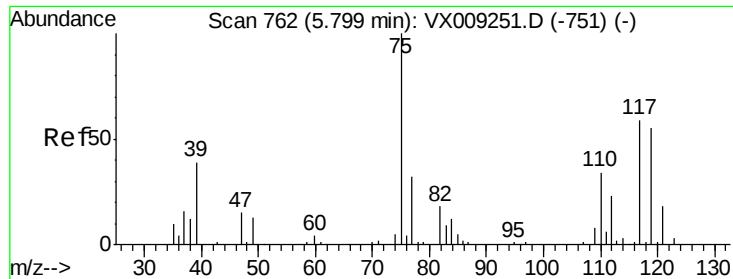
Ion Ratio Lower Upper

114 100

63 22.8 18.0 27.0

88 16.3 13.4 20.0





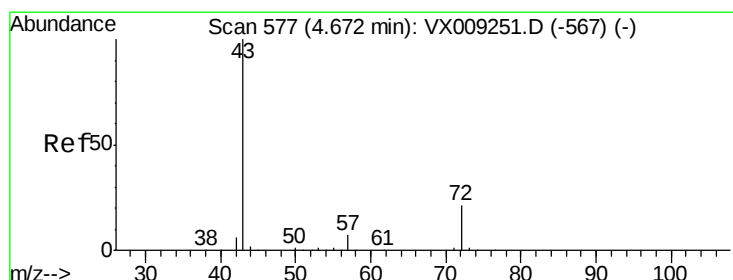
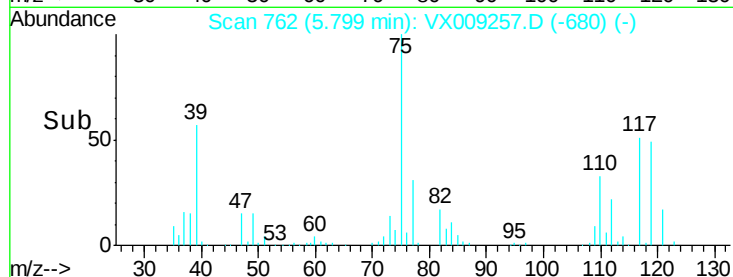
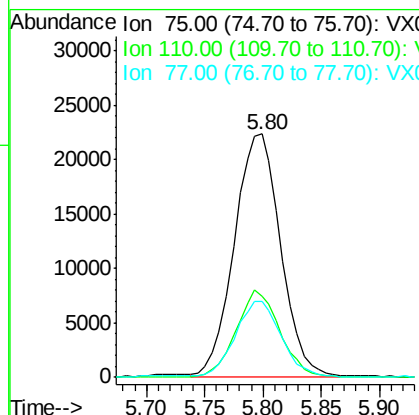
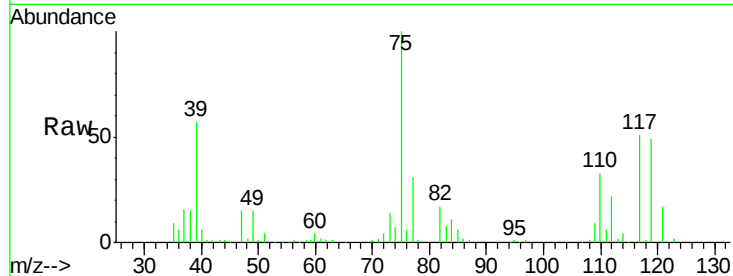
#29
 1,1-Dichloropropene
 Concen: 21.476 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX009257.D
 Acq: 01 May 2019 15:44

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX050119

Tot Ion	Ratio	Lower	Upper
75	100		
110	34.0	0.0	66.4
77	31.1	0.0	62.2

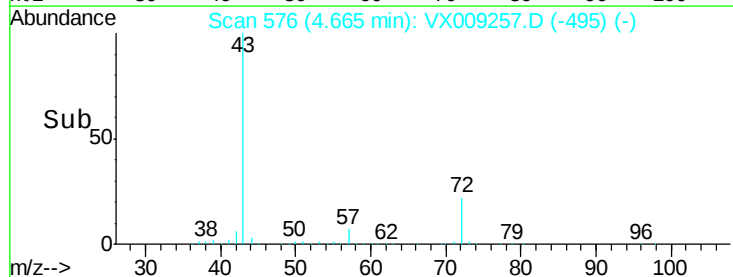
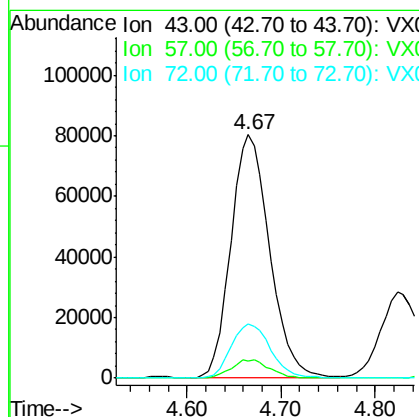
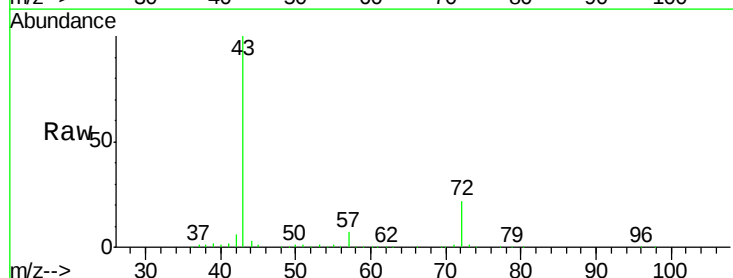
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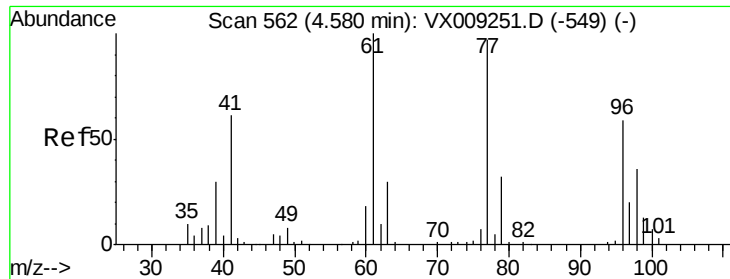
MMDadoda
 5/2/2019 10:53:31 AM



#30
 2-Butanone
 Concen: 101.148 ug/l
 RT: 4.67 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: VX009257.D
 Acq: 01 May 2019 15:44

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.6	6.0	9.0
72	22.8	18.2	27.4





#31

2,2-Dichloropropane

Concen: 21.277 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX009257.D

Acq: 01 May 2019 15:44

Instrument :

MSVOA_X

ClientSampleId :

ICVVX050119

Tot Ion: 77 Resp: 67776

Ion Ratio Lower Upper

77 100

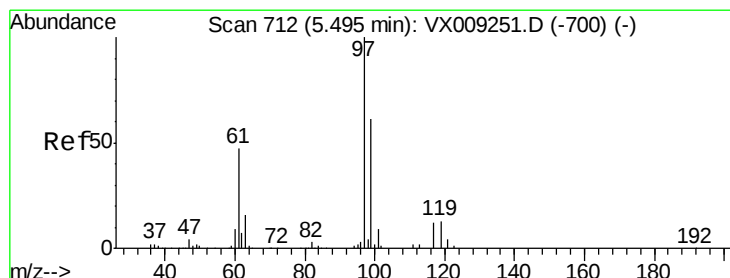
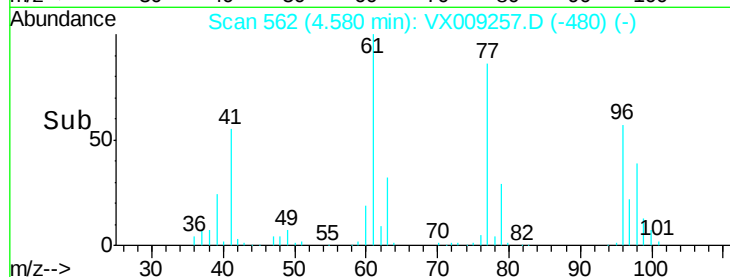
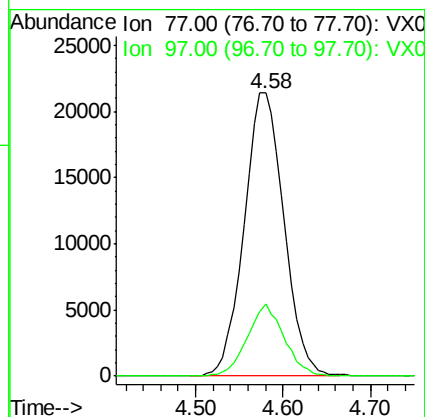
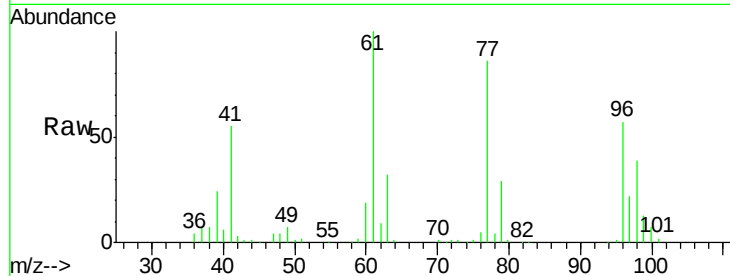
97 23.6 18.3 27.5

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 21.519 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX009257.D

Acq: 01 May 2019 15:44

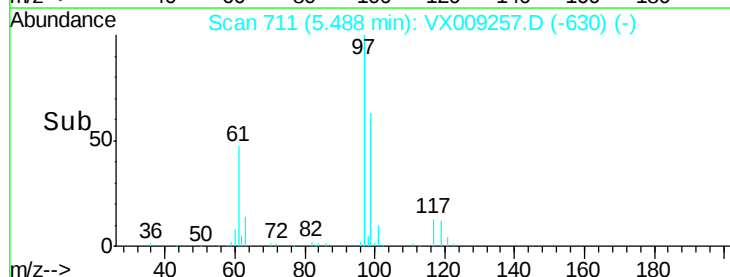
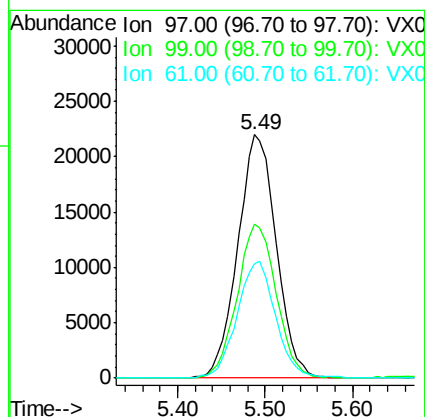
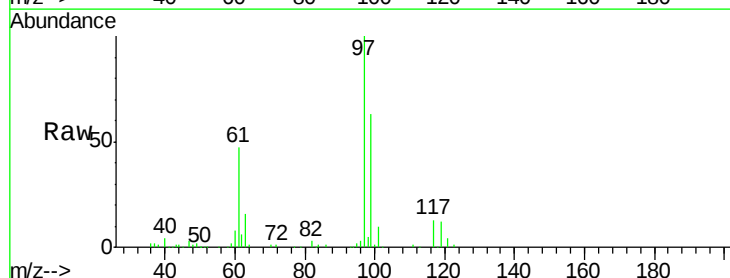
Tgt Ion: 97 Resp: 67407

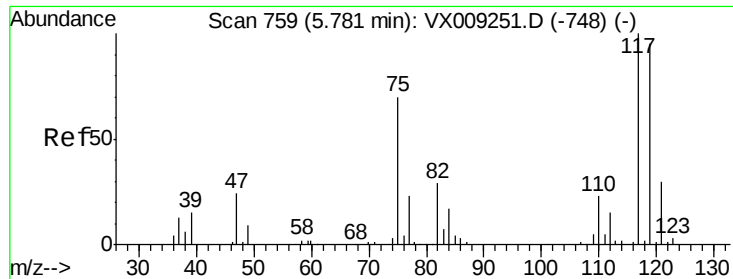
Ion Ratio Lower Upper

97 100

99 64.0 53.9 80.9

61 47.6 38.6 58.0





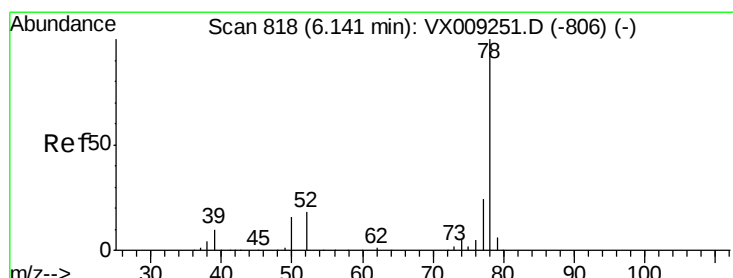
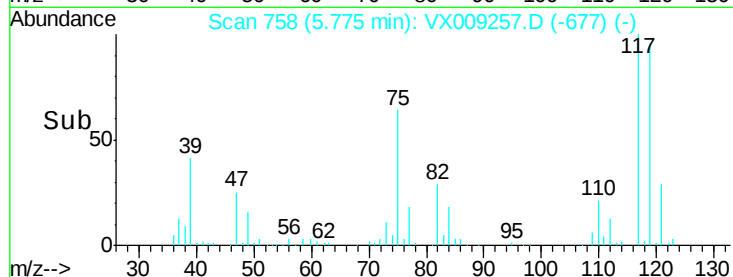
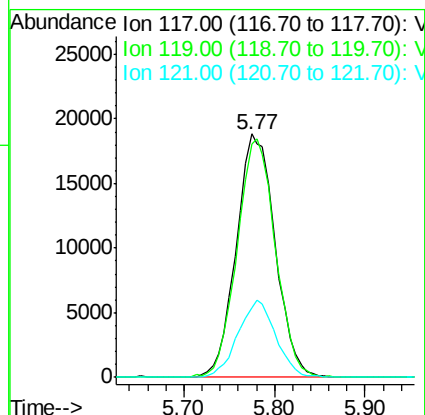
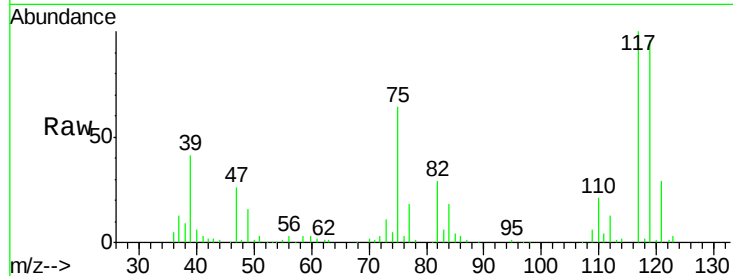
#33
Carbon Tetrachloride
Concen: 21.361 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX009257.D
Acq: 01 May 2019 15:44

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050119

Tot Ion:117 Resp: 55983
Ion Ratio Lower Upper
117 100
119 96.0 76.1 114.1
121 28.8 24.4 36.6

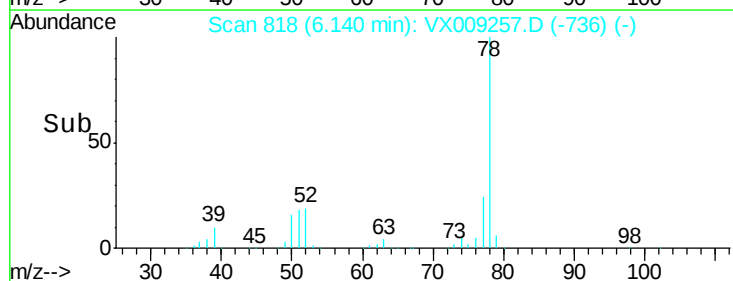
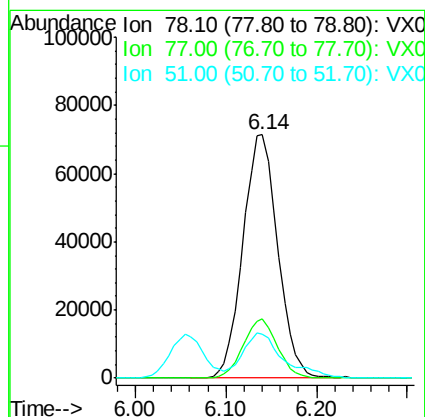
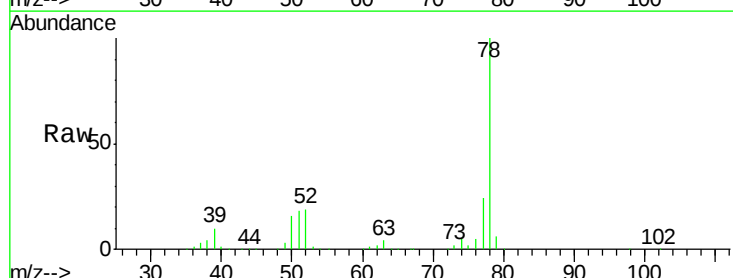
Manual Integrations
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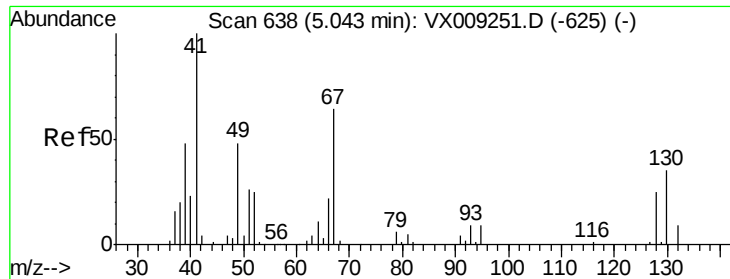
MMDadoda
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#34
Benzene
Concen: 21.334 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009257.D
Acq: 01 May 2019 15:44

Tgt Ion: 78 Resp: 190048
Ion Ratio Lower Upper
78 100
77 24.2 18.8 28.2
51 17.4 13.5 20.3





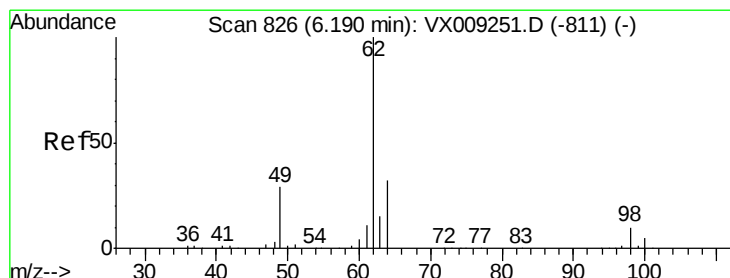
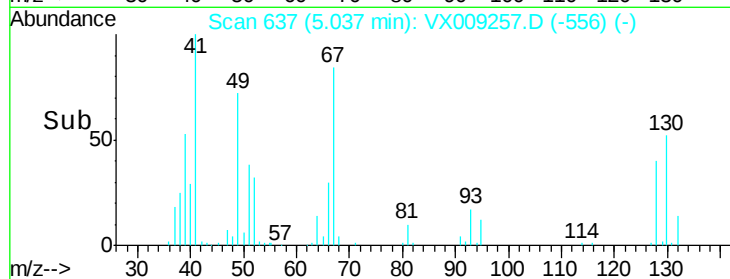
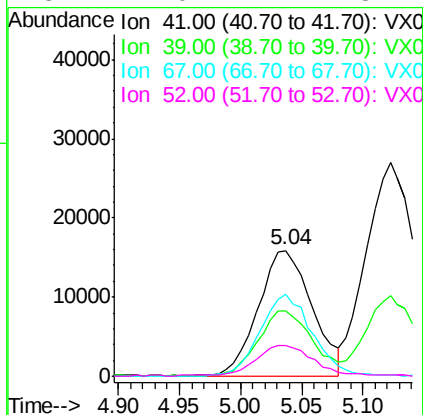
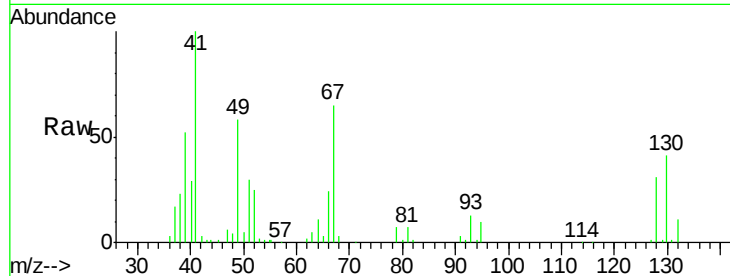
#35
Methacrylonitrile
Concen: 20.431 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX009257.D
Acq: 01 May 2019 15:44

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050119

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.1	24.1	72.3	
67	65.7	32.2	96.6	
52	24.0	12.4	37.4	

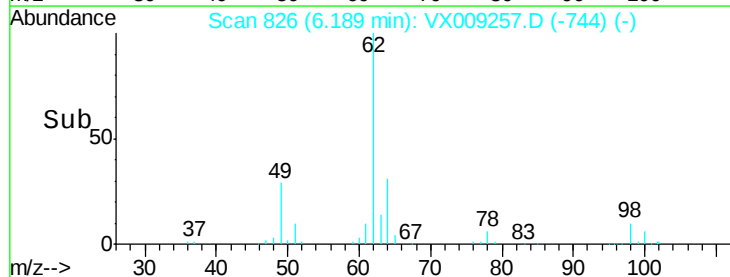
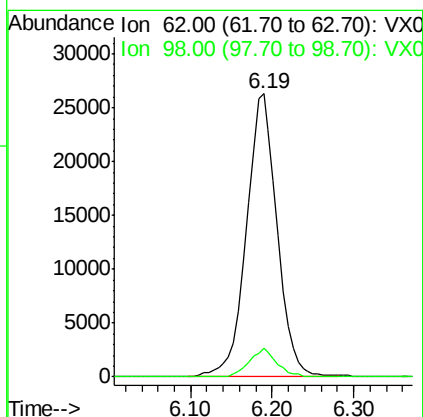
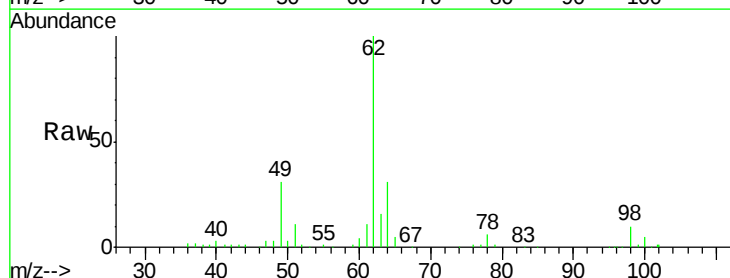
Manual Integrations
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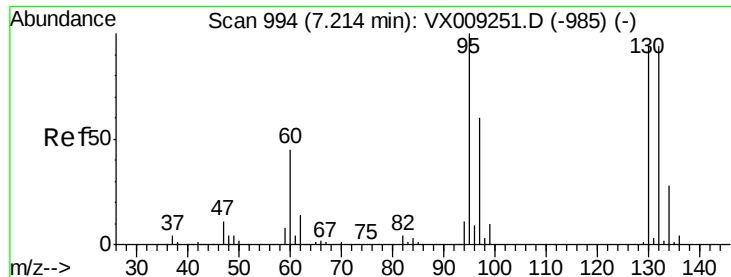
MMDadoda
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#36
1,2-Dichloroethane
Concen: 21.320 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX009257.D
Acq: 01 May 2019 15:44

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.0	7.4	11.2	





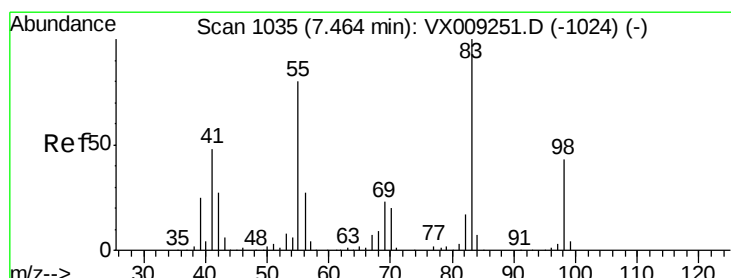
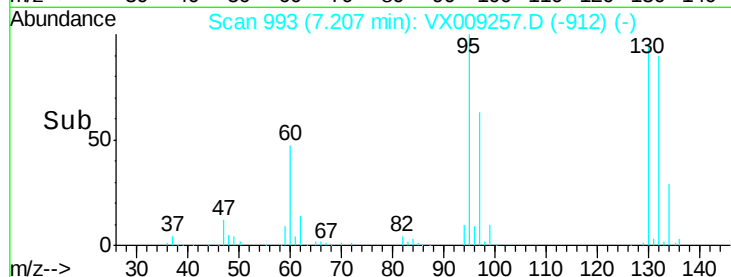
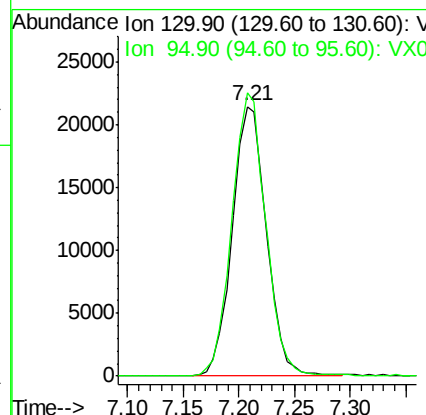
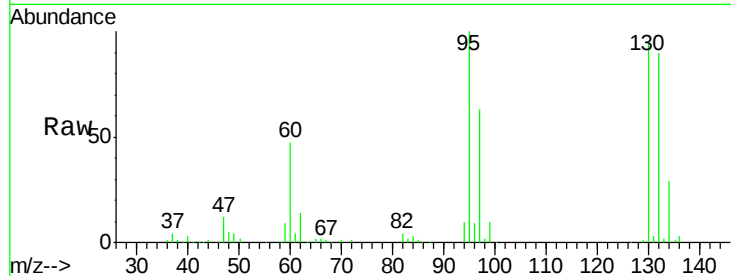
#37
 Trichloroethene
 Concen: 21.295 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX009257.D
 Acq: 01 May 2019 15:44

Instrument :
 MSVOA_X
 ClientSampled :
 ICVVX050119

Tot Ion:130 Resp: 45665
 Ion Ratio Lower Upper
 130 100
 95 104.8 85.0 127.4

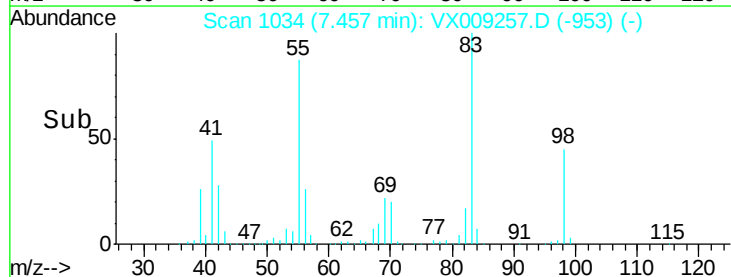
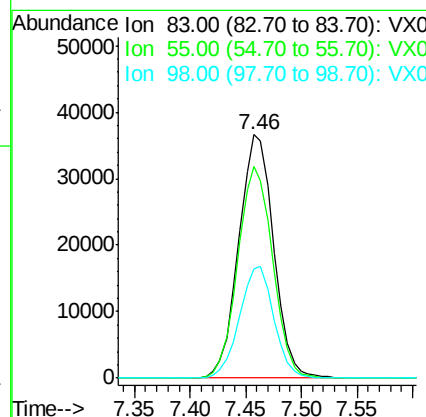
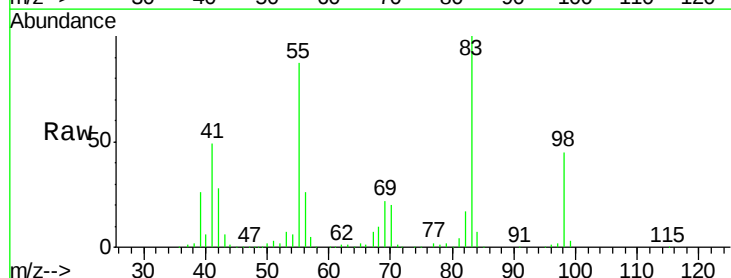
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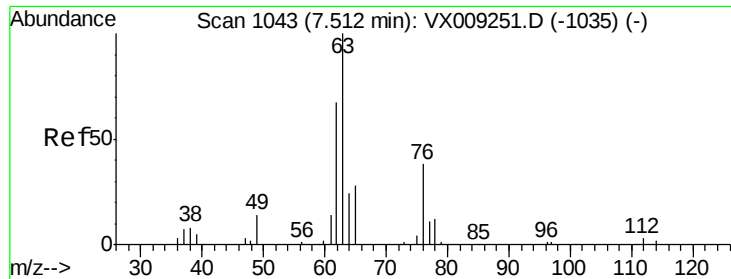
MMDadoda
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#38
 Methylcyclohexane
 Concen: 22.357 ug/l
 RT: 7.46 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: VX009257.D
 Acq: 01 May 2019 15:44

Tgt Ion: 83 Resp: 79811
 Ion Ratio Lower Upper
 83 100
 55 86.7 43.0 129.2
 98 45.0 22.1 66.1





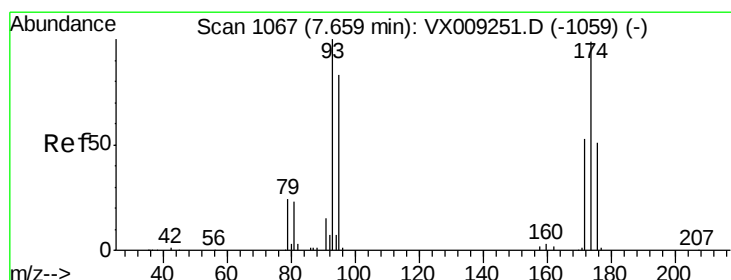
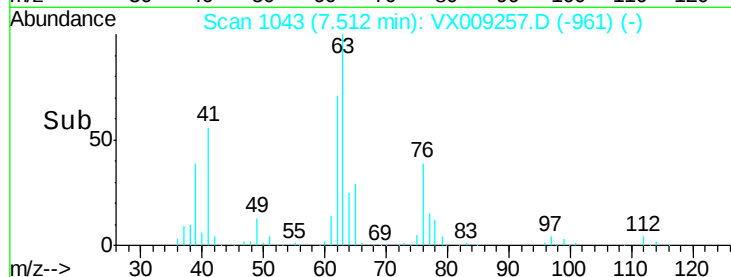
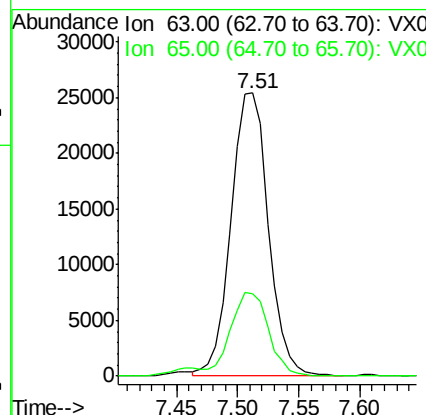
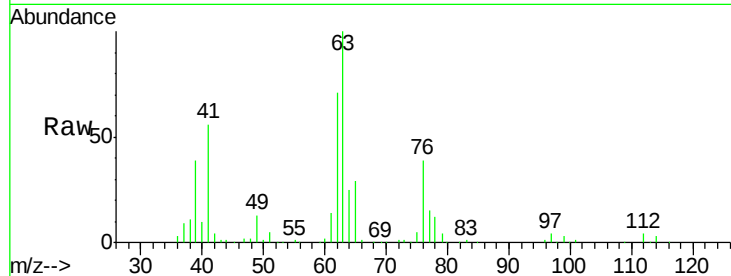
#39
 1,2-Dichloropropane
 Concen: 21.190 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009257.D
 Acq: 01 May 2019 15:44

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX050119

Tot Ion: 63 Resp: 53755
 Ion Ratio Lower Upper
 63 100
 65 29.4 24.0 36.0

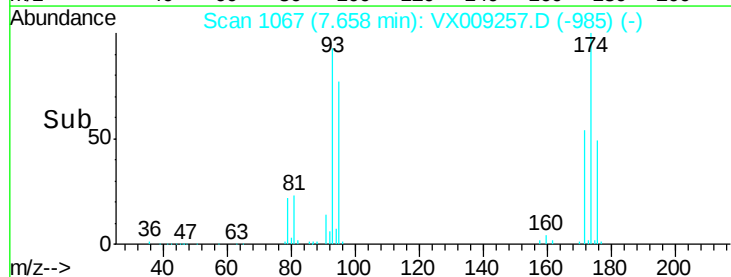
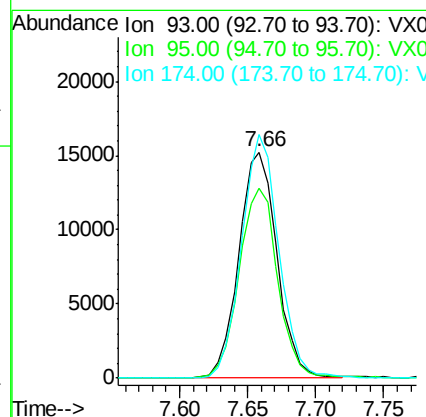
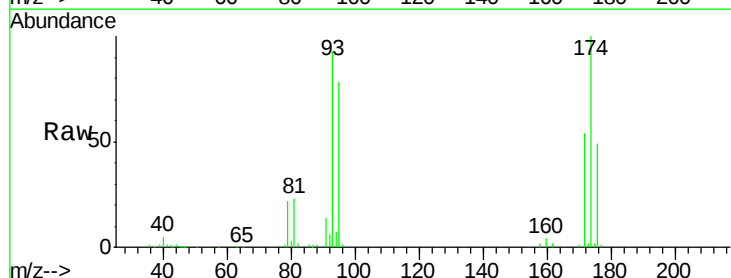
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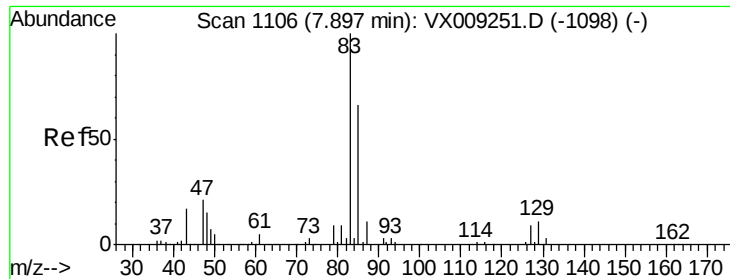
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#40
 Dibromomethane
 Concen: 20.767 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX009257.D
 Acq: 01 May 2019 15:44

Tgt Ion: 93 Resp: 29901
 Ion Ratio Lower Upper
 93 100
 95 84.7 0.0 167.2
 174 104.8 0.0 203.4





#41

Bromodichloromethane

Concen: 20.957 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009257.D

Acq: 01 May 2019 15:44

Instrument :

MSVOA_X

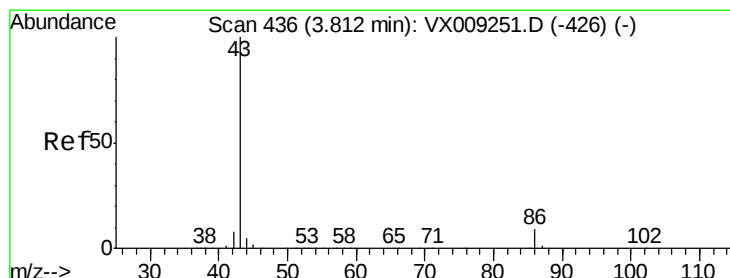
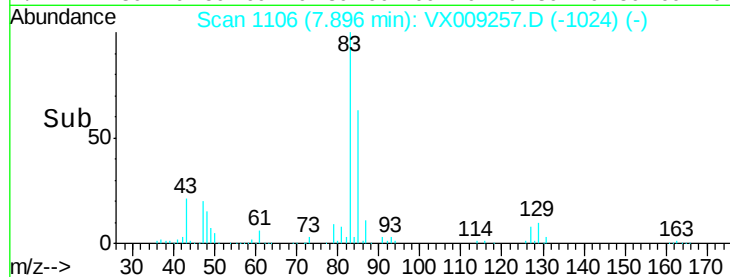
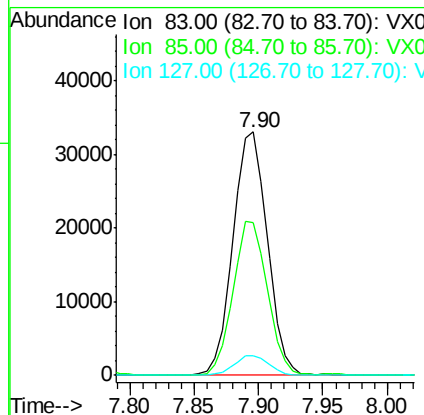
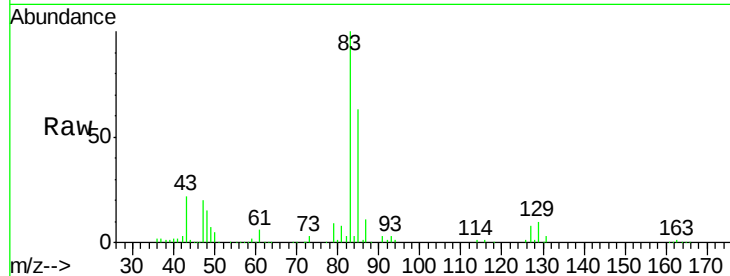
ClientSampleId :

ICVVX050119

Tot Ion:	83	Resp:	61635
Ion	Ratio	Lower	Upper
83	100		
85	62.8	52.6	79.0
127	8.1	6.9	10.3

Manual Integrations
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#42

Vinyl Acetate

Concen: 106.240 ug/l

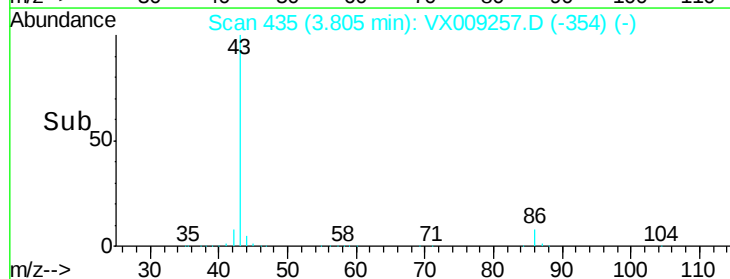
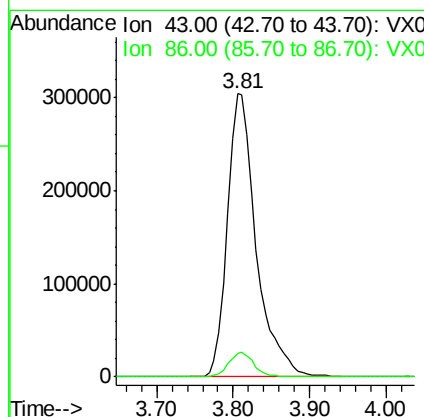
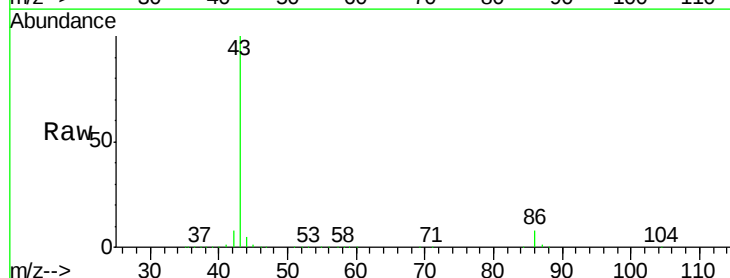
RT: 3.81 min Scan# 435

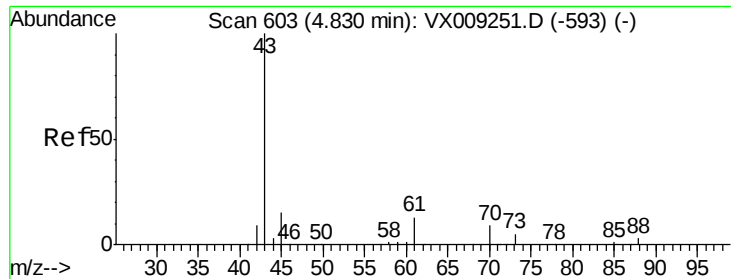
Delta R.T. -0.01 min

Lab File: VX009257.D

Acq: 01 May 2019 15:44

Tgt Ion:	43	Resp:	793464
Ion	Ratio	Lower	Upper
43	100		
86	7.6	6.0	9.0





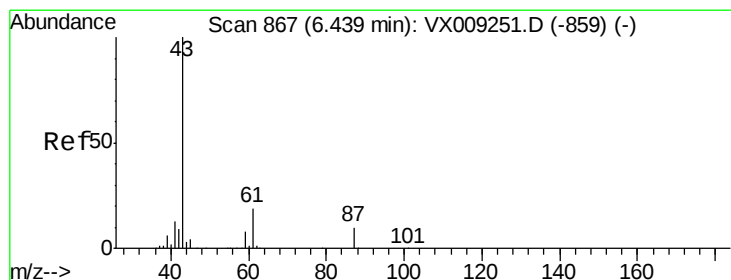
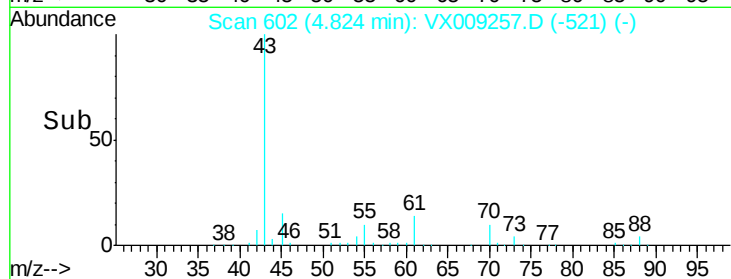
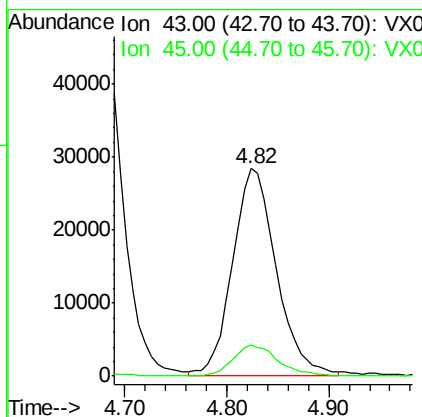
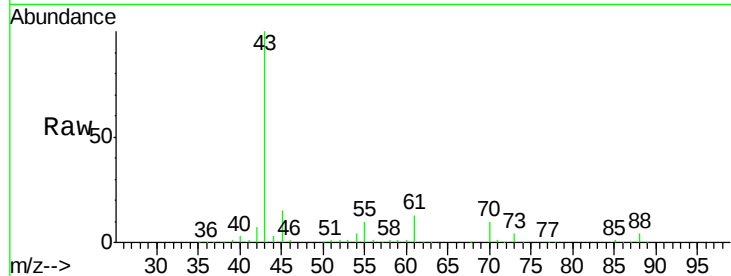
#43
Ethyl Acetate
Concen: 20.551 ug/l
RT: 4.82 min Scan# 602
Delta R.T. -0.01 min
Lab File: VX009257.D
Acq: 01 May 2019 15:44

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050119

Tot Ion: 43 Resp: 84034
Ion Ratio Lower Upper
43 100
45 15.7 11.8 17.8

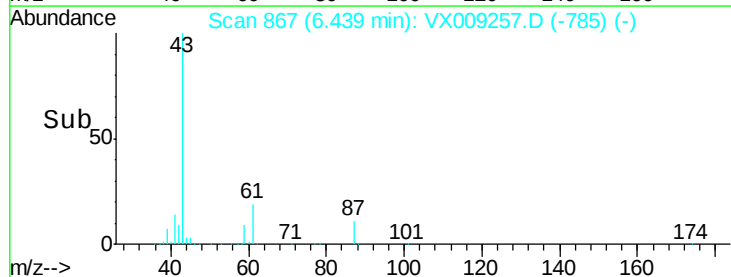
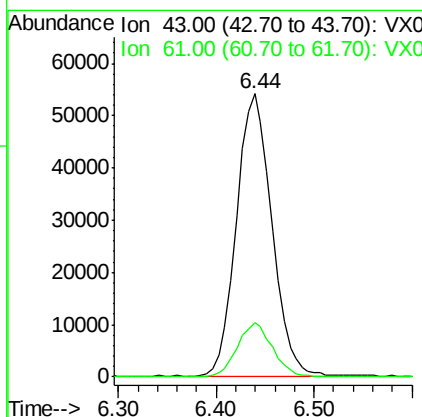
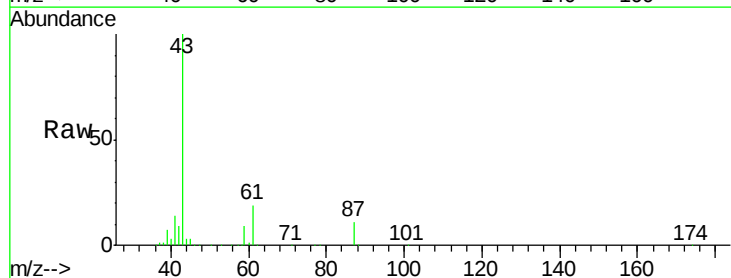
Manual Integrations
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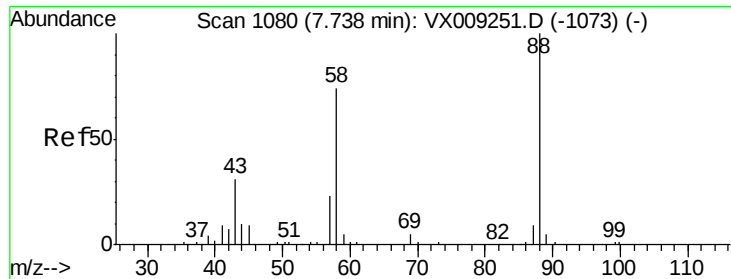
MMDadoda
5/2/2019 10:53:31 AM



#44
Isopropyl Acetate
Concen: 20.554 ug/l
RT: 6.44 min Scan# 867
Delta R.T. -0.00 min
Lab File: VX009257.D
Acq: 01 May 2019 15:44

Tgt Ion: 43 Resp: 136153
Ion Ratio Lower Upper
43 100
61 18.9 15.4 23.2





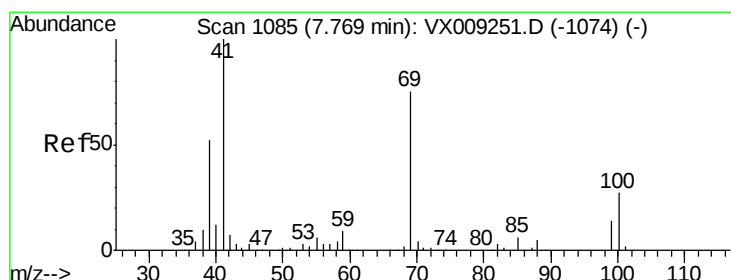
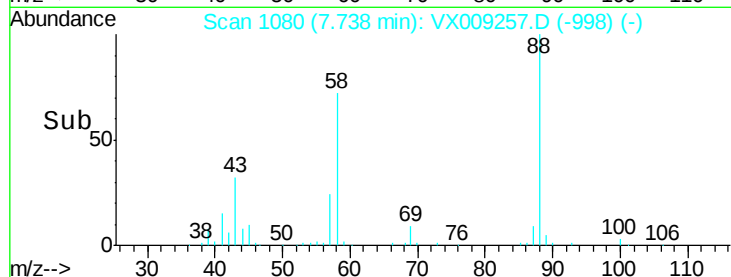
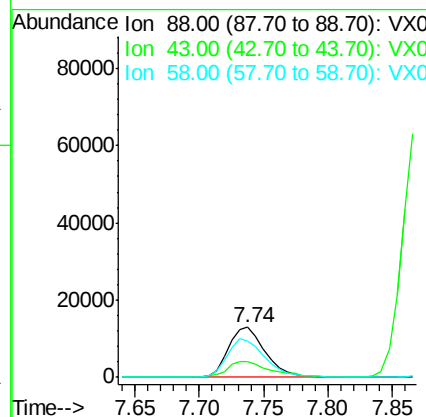
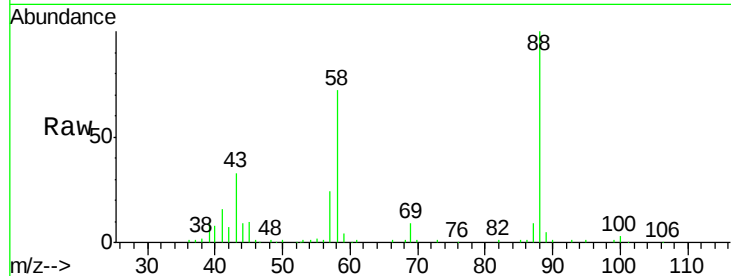
#45
1,4-Dioxane
Concen: 400.012 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009257.D
Acq: 01 May 2019 15:44

Instrument :
MSVOA_X
ClientSampled :
ICVVX050119

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.3	28.5	42.7
58	79.3	62.5	93.7

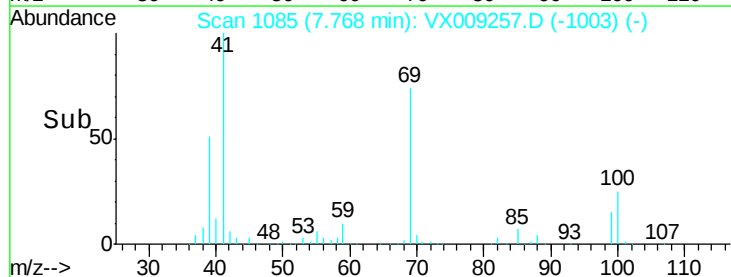
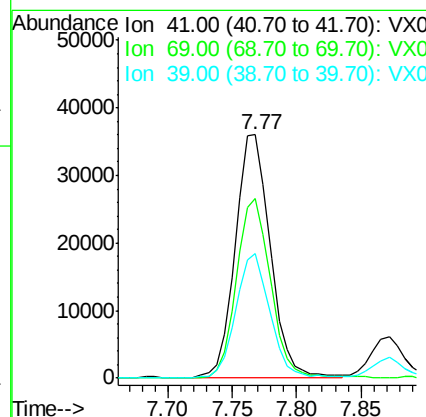
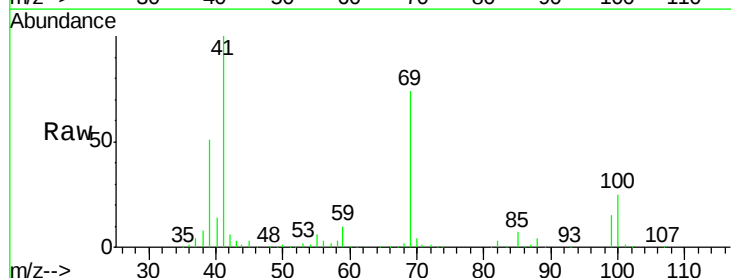
Manual Integrations
APPROVED

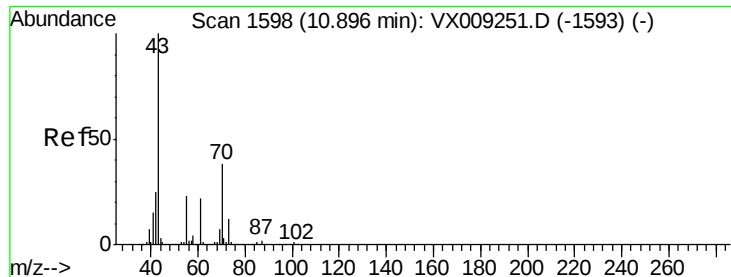
MMDadoda
5/2/2019 10:53:31 AM



#46
Methyl methacrylate
Concen: 20.522 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VX009257.D
Acq: 01 May 2019 15:44

Tgt Ion	Ratio	Lower	Upper
41	100		
69	74.0	37.6	112.8
39	51.0	25.8	77.3





#47

n-amvl Acetate

Concen: 20.375 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009257.D

Acq: 01 May 2019 15:44

Instrument :

MSVOA_X

ClientSampleId :

ICVVX050119

Tot Ion: 43 Resp: 121583

Ion Ratio Lower Upper

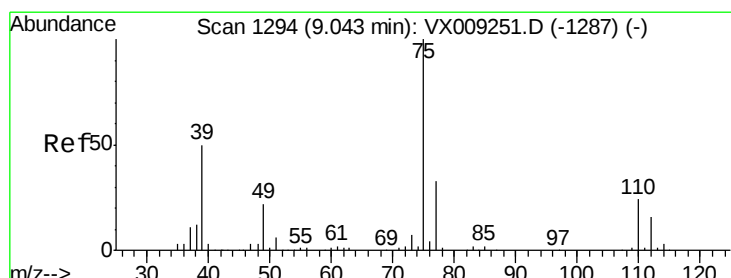
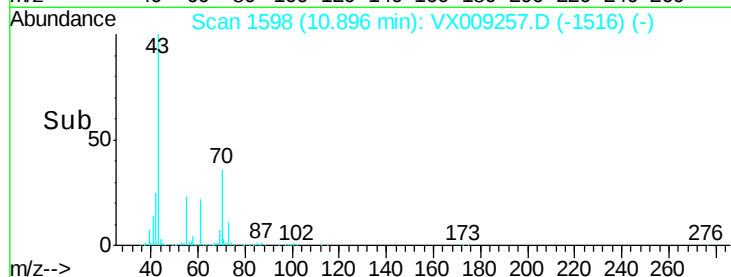
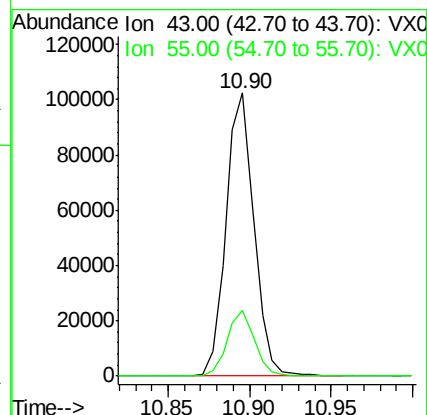
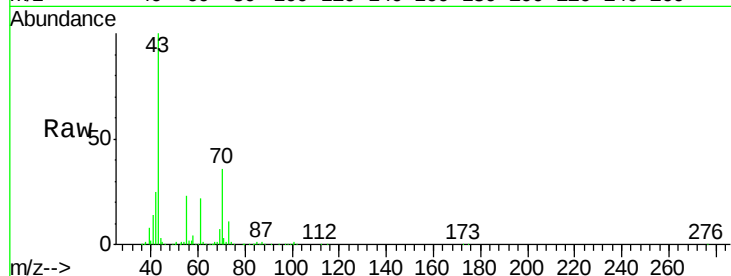
43 100

55 22.9 18.2 27.4

Manual Integrations
APPROVED

MMDadoda

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#48

t-1,3-Dichloropropene

Concen: 21.015 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX009257.D

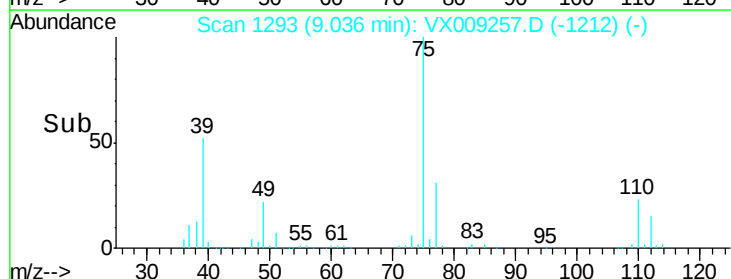
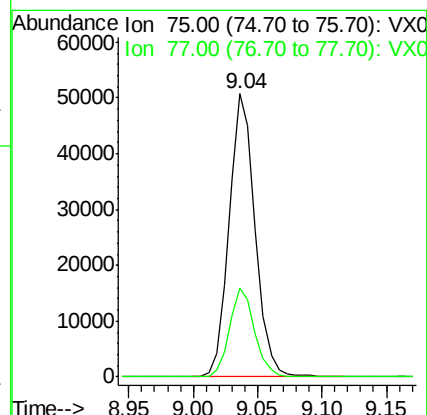
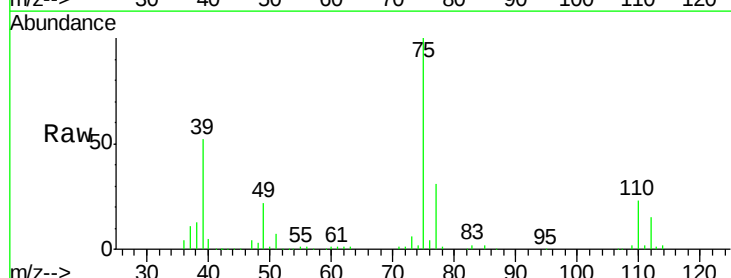
Acq: 01 May 2019 15:44

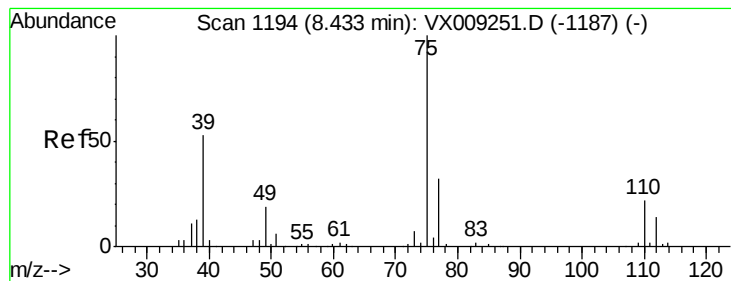
Tgt Ion: 75 Resp: 72112

Ion Ratio Lower Upper

75 100

77 31.2 26.5 39.7





#49

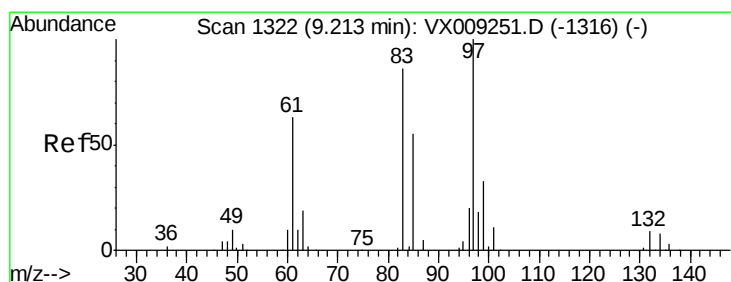
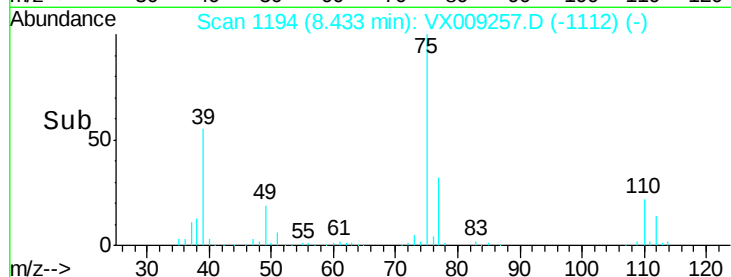
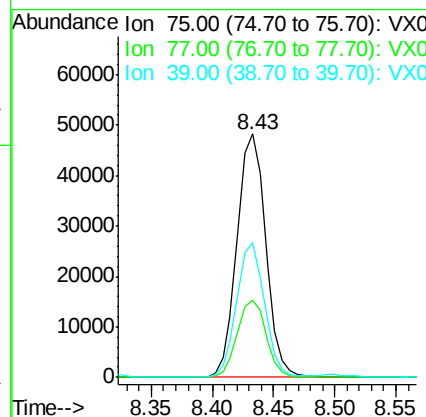
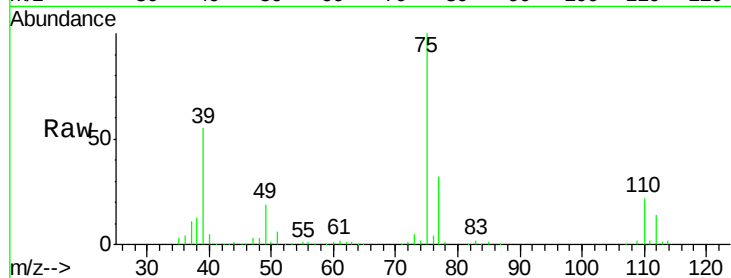
cis-1,3-Dichloropropene
 Concen: 20.867 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX009257.D
 Acq: 01 May 2019 15:44

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX050119

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	26.0	39.0
39	54.8	42.6	63.8

Manual Integrations
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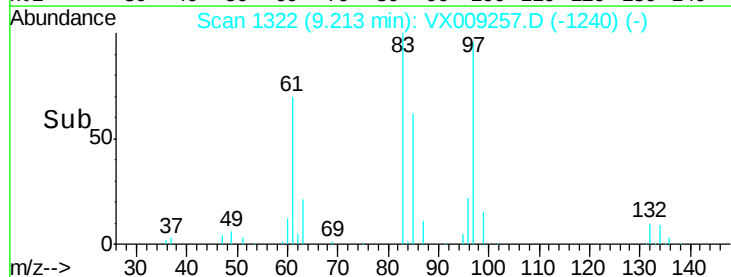
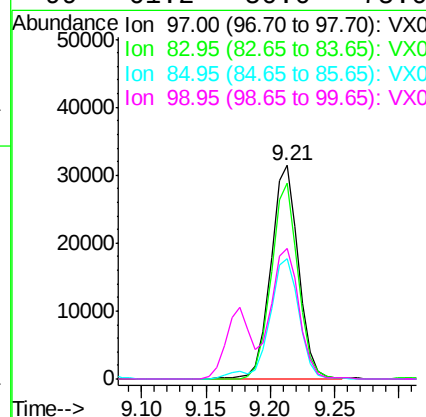
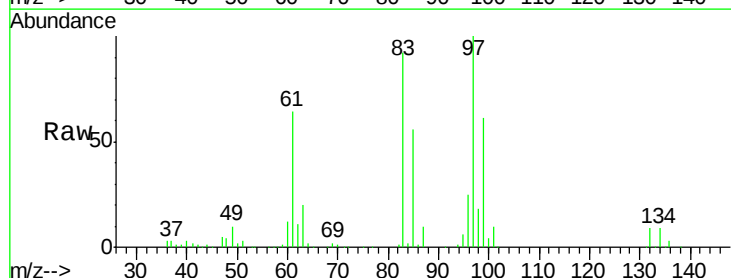
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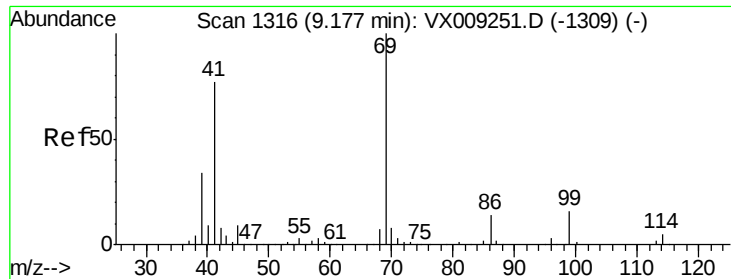


#50

1,1,2-Trichloroethane
 Concen: 21.270 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009257.D
 Acq: 01 May 2019 15:44

Tgt Ion	Ratio	Lower	Upper
97	100		
83	91.7	68.8	103.2
85	56.2	45.8	68.6
99	61.2	50.0	75.0





#51

Ethyl methacrylate

Concen: 20.814 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX009257.D

Acq: 01 May 2019 15:44

Instrument :

MSVOA_X

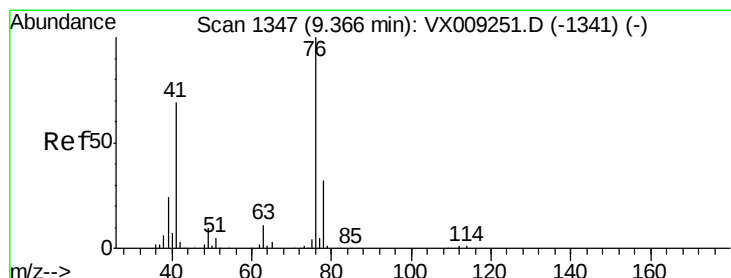
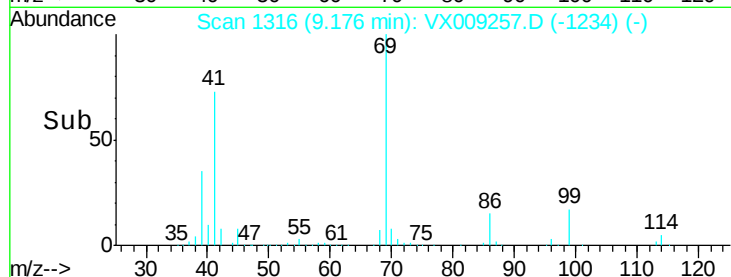
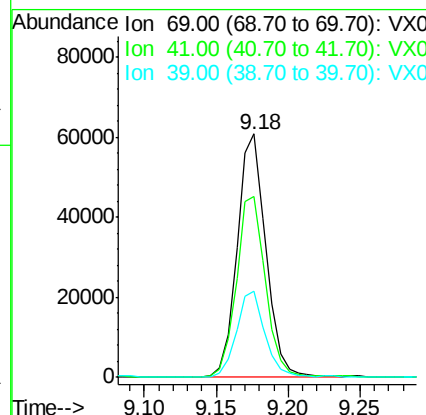
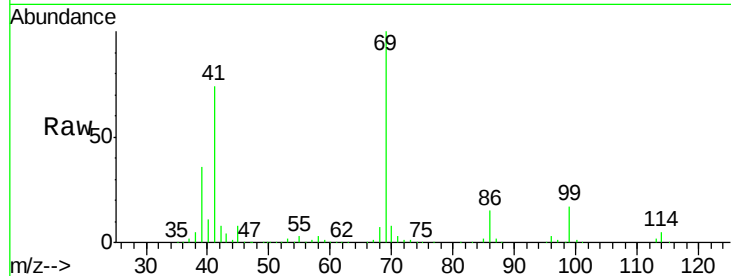
ClientSampleId :

ICVX050119

Tot Ion:	69	Resp:	84845
Ion	Ratio	Lower	Upper
69	100		
41	74.2	38.4	115.2
39	35.5	17.2	51.5

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 21.058 ug/l

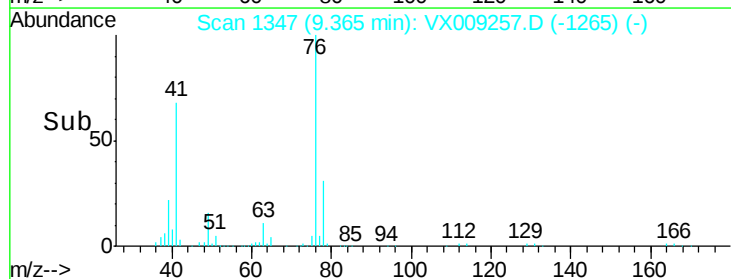
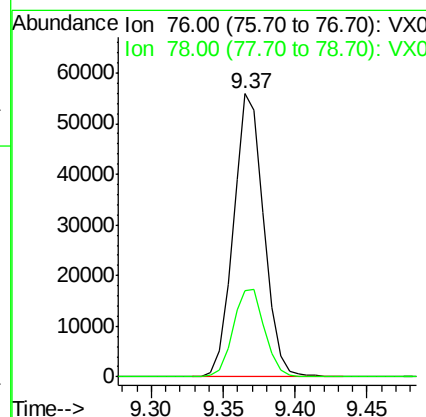
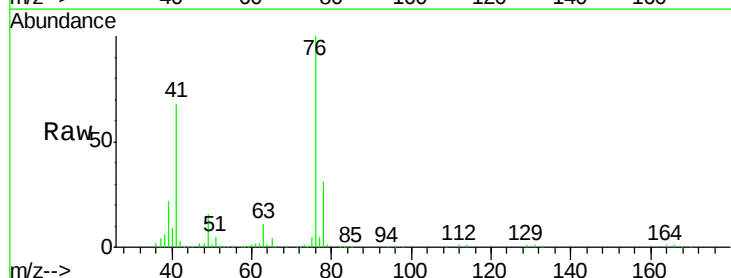
RT: 9.37 min Scan# 1347

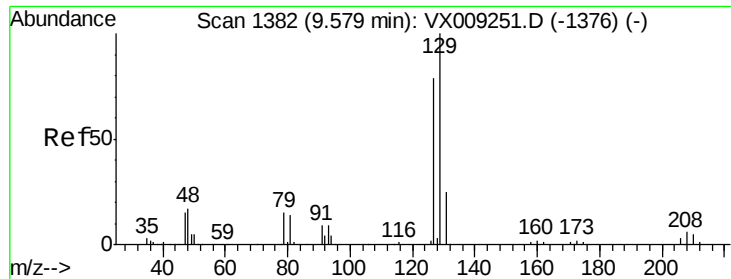
Delta R.T. -0.00 min

Lab File: VX009257.D

Acq: 01 May 2019 15:44

Tgt Ion:	76	Resp:	82442
Ion	Ratio	Lower	Upper
76	100		
78	32.3	0.0	64.2





#53

Dibromochloromethane

Concen: 20.815 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX009257.D

Acq: 01 May 2019 15:44

Instrument :

MSVOA_X

ClientSampleId :

ICVVX050119

Tot Ion:129 Resp: 45729

Ion Ratio Lower Upper

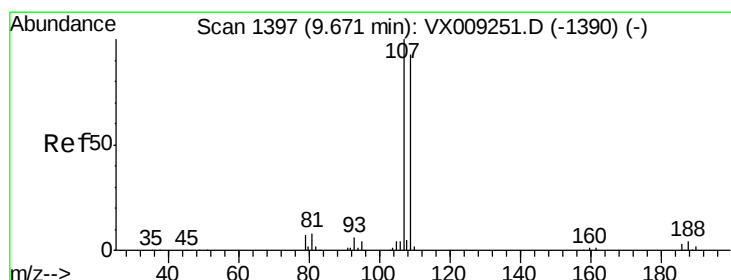
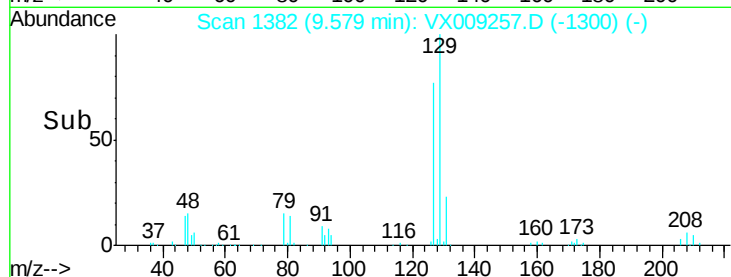
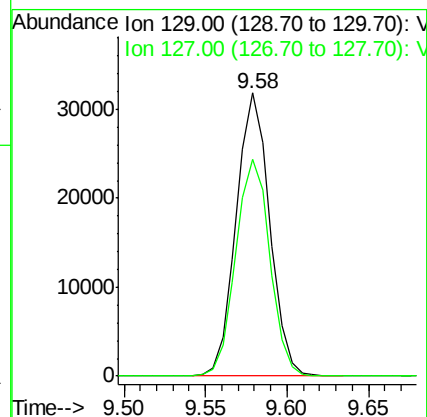
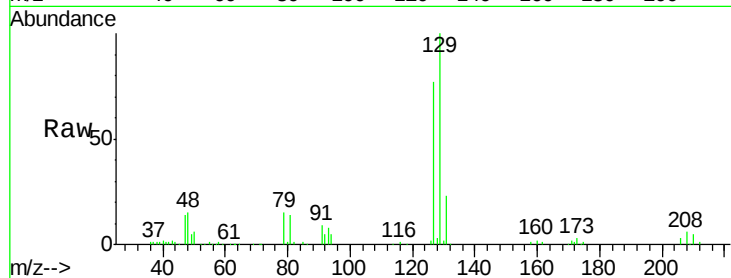
129 100

127 77.8 39.1 117.5

Manual Integrations
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#54

1,2-Dibromoethane

Concen: 21.095 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009257.D

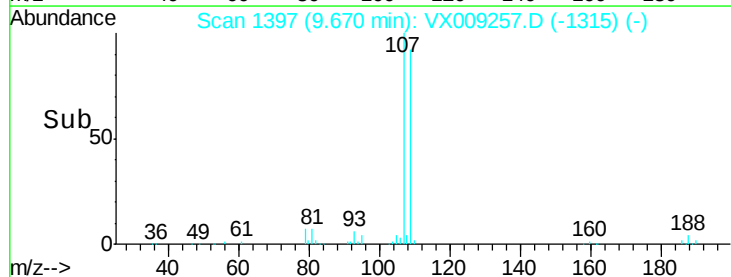
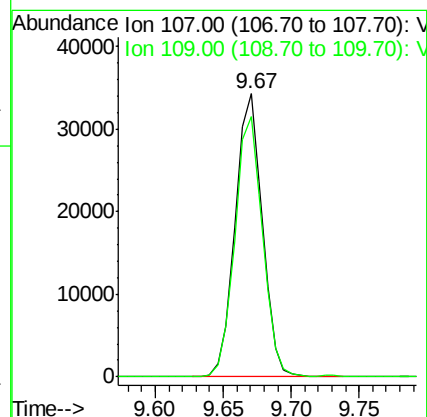
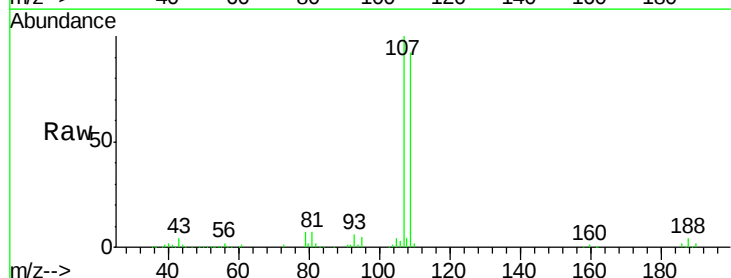
Acq: 01 May 2019 15:44

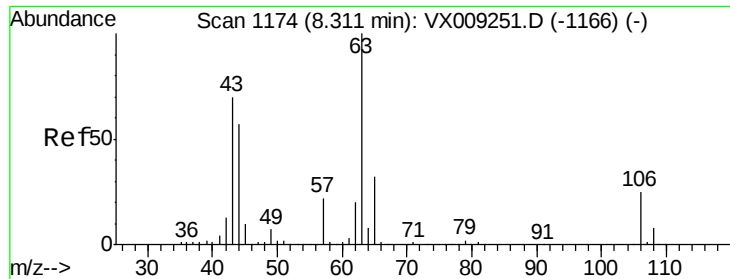
Tgt Ion:107 Resp: 47724

Ion Ratio Lower Upper

107 100

109 93.7 75.5 113.3





#55

2-Chloroethyl vinyl ether

Concen: 96.712 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VX009257.D

Acq: 01 May 2019 15:44

Instrument :

MSVOA_X

ClientSampleId :

ICVVX050119

Tot Ion: 63 Resp: 210077
Ion Ratio Lower Upper

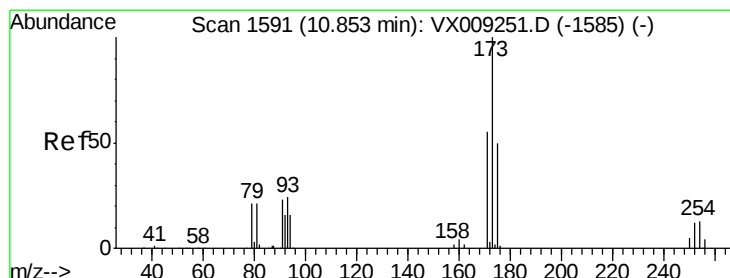
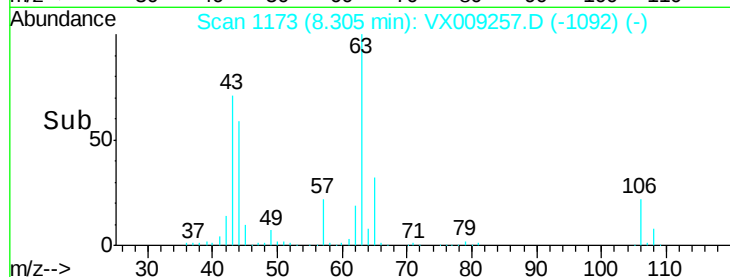
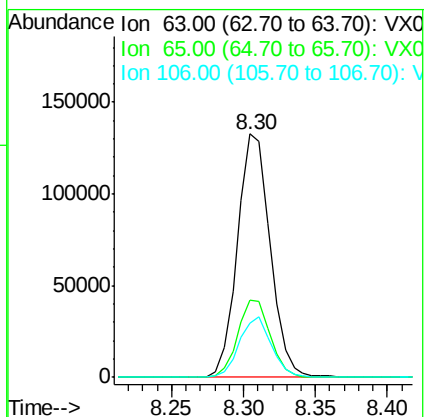
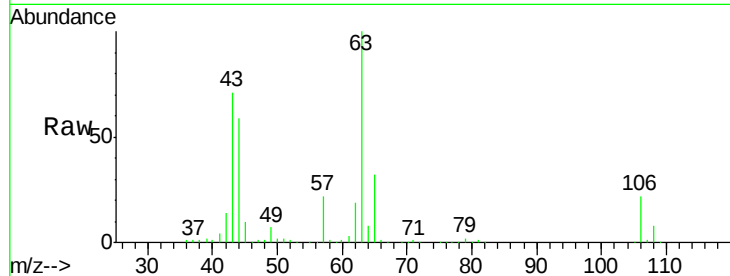
63 100

65 31.9 25.8 38.6

106 24.1 19.8 29.6

Manual Integrations
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#56

Bromoform

Concen: 20.152 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009257.D

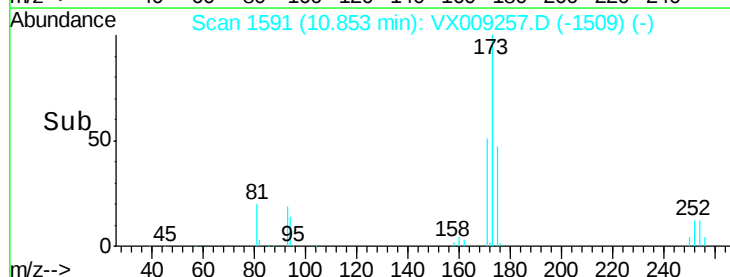
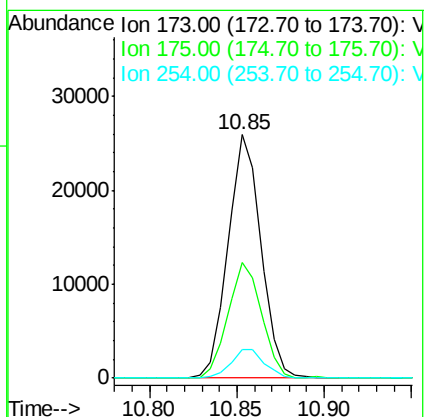
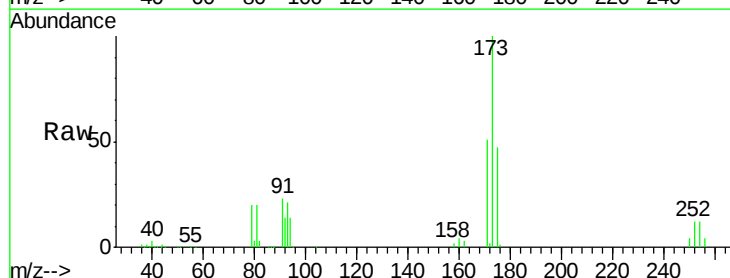
Acq: 01 May 2019 15:44

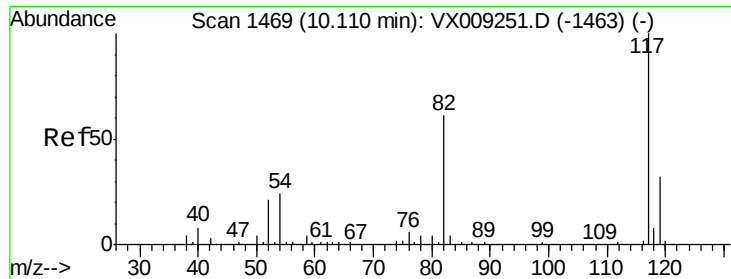
Tgt Ion: 173 Resp: 33984
Ion Ratio Lower Upper

173 100

175 48.3 39.4 59.2

254 12.2 9.9 14.9





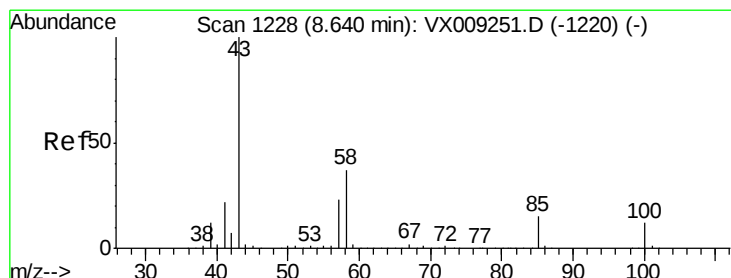
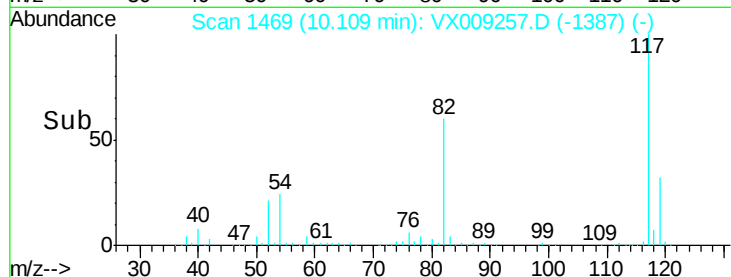
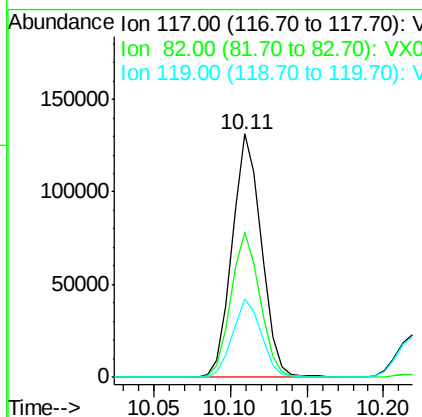
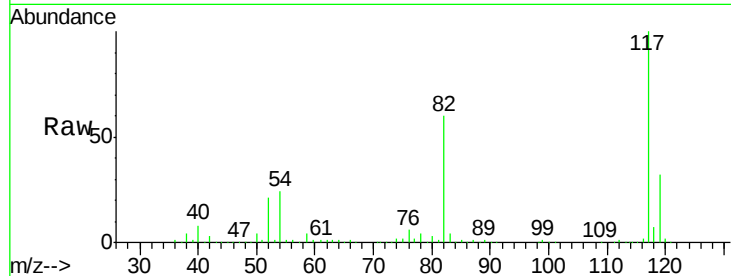
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009257.D
Acq: 01 May 2019 15:44

Instrument :
MSVOA_X
ClientSampled :
ICVVX050119

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.6	47.8	71.8
119	31.9	25.6	38.4

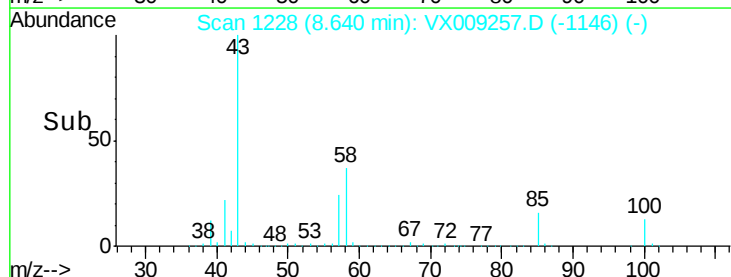
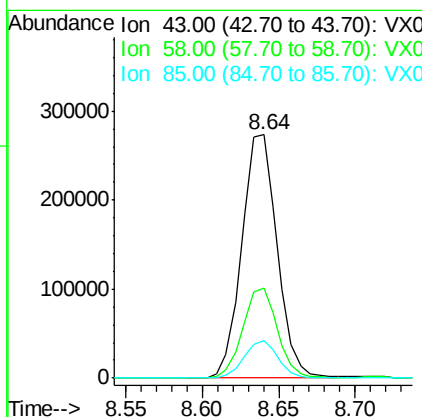
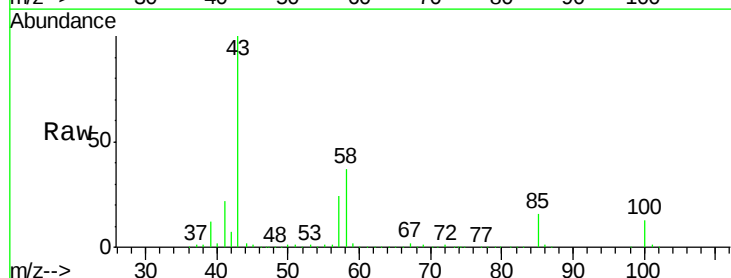
Manual Integrations
APPROVED

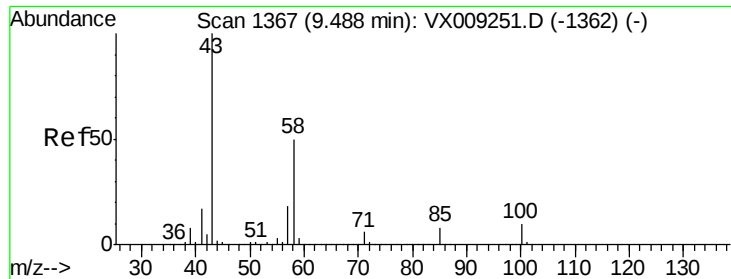
MMDadoda
5/2/2019 10:53:31 AM



#58
4-Methyl-2-Pentanone
Concen: 102.653 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX009257.D
Acq: 01 May 2019 15:44

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.4	29.4	44.0
85	14.9	11.8	17.8





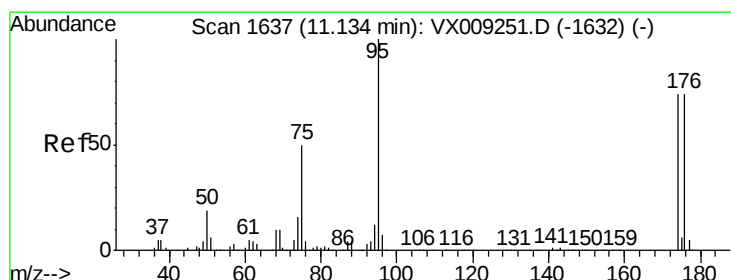
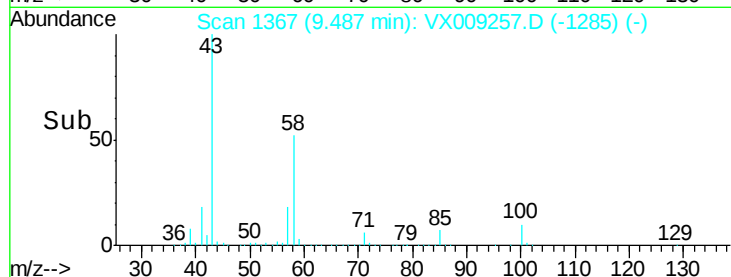
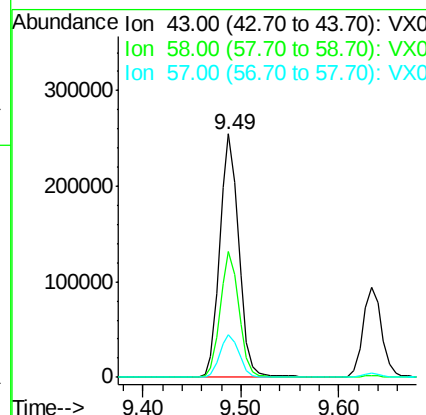
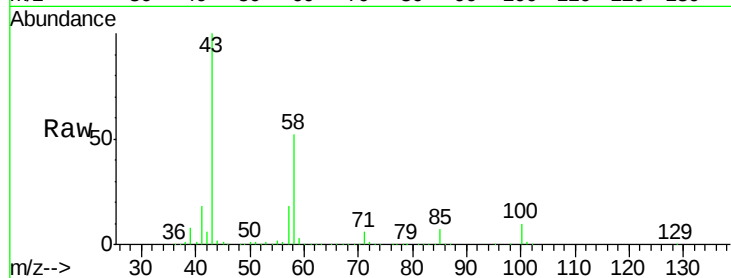
#59
2-Hexanone
Concen: 102.792 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009257.D
Acq: 01 May 2019 15:44

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050119

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.6	40.8	61.2
57	17.6	14.1	21.1

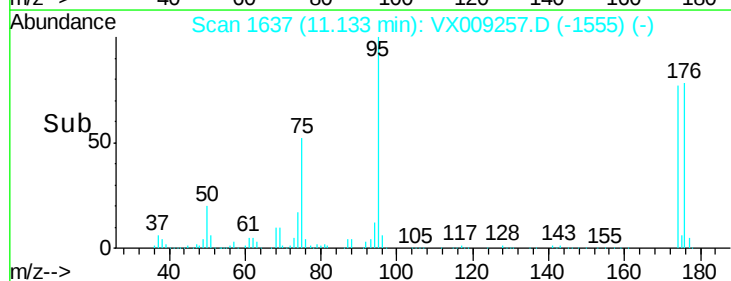
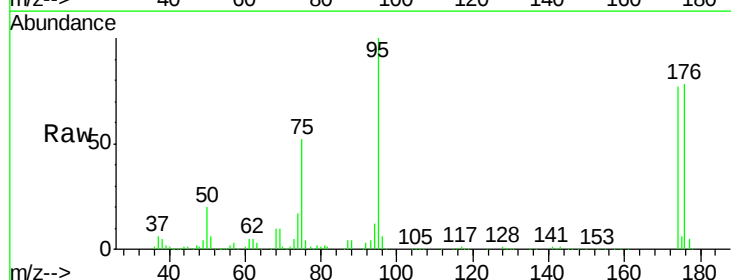
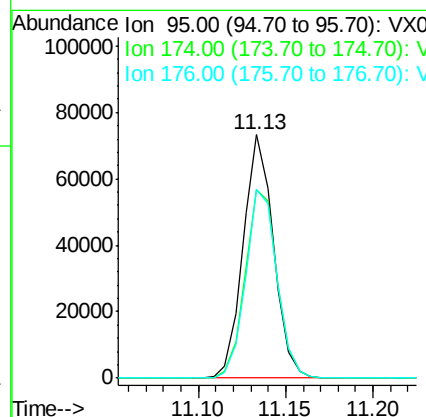
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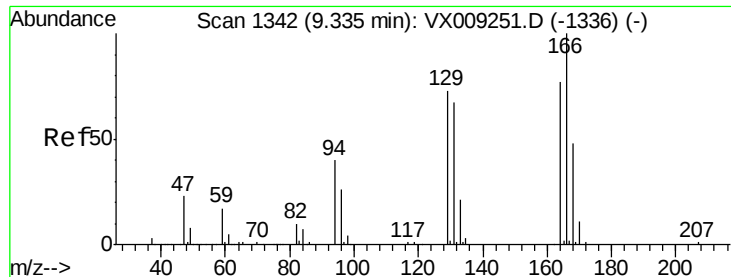
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#60
4-Bromofluorobenzene
Concen: 29.719 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009257.D
Acq: 01 May 2019 15:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.7	63.6	95.4
176	80.3	62.4	93.6





#61

Tetrachloroethene

Concen: 22.124 ug/l

RT: 9.33 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX009257.D

Acq: 01 May 2019 15:44

Instrument :

MSVOA_X

ClientSampleId :

ICVVX050119

Tot Ion:164 Resp: 42443

Ion Ratio Lower Upper

164 100

166 127.2 104.1 156.1

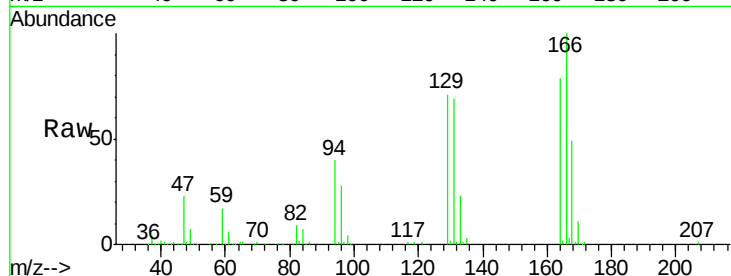
129 90.8 76.0 114.0

131 87.5 70.1 105.1

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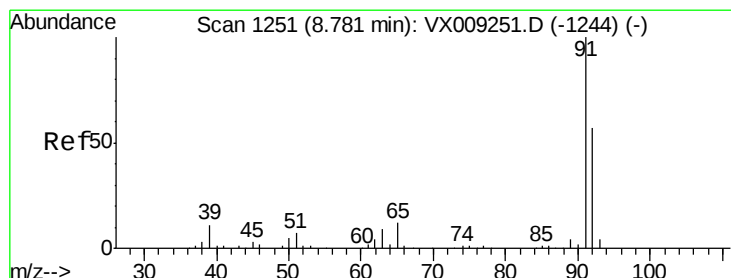
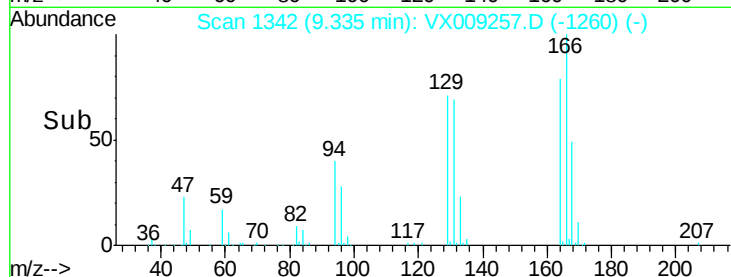
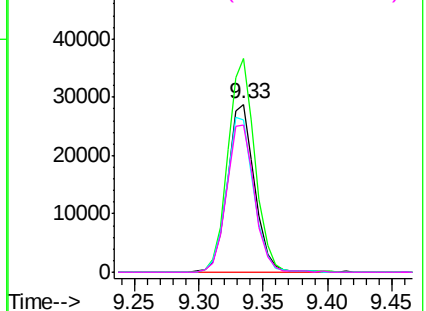


Abundance Ion 163.85 (163.55 to 164.55): V

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: 21.686 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX009257.D

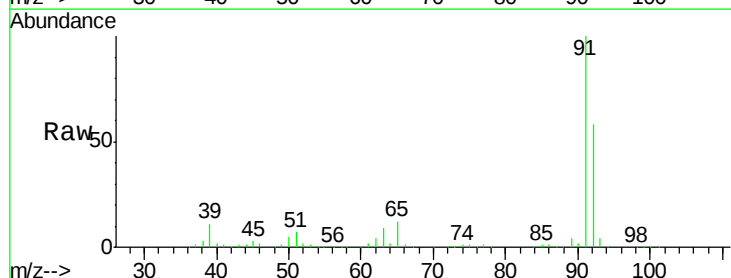
Acq: 01 May 2019 15:44

Tgt Ion: 91 Resp: 201663

Ion Ratio Lower Upper

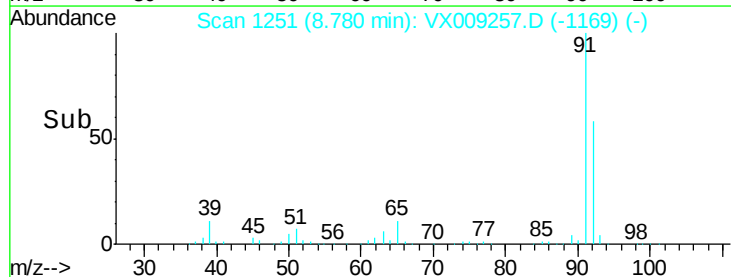
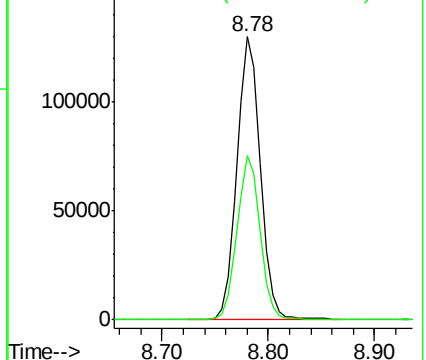
91 100

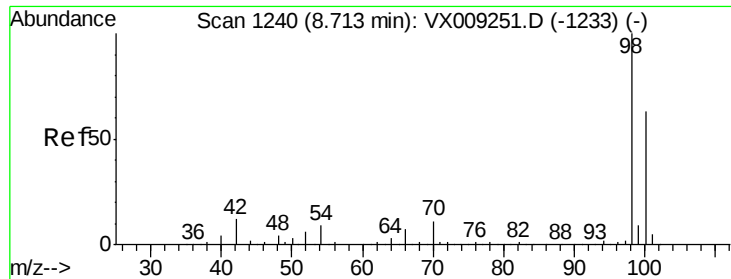
92 57.0 46.1 69.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





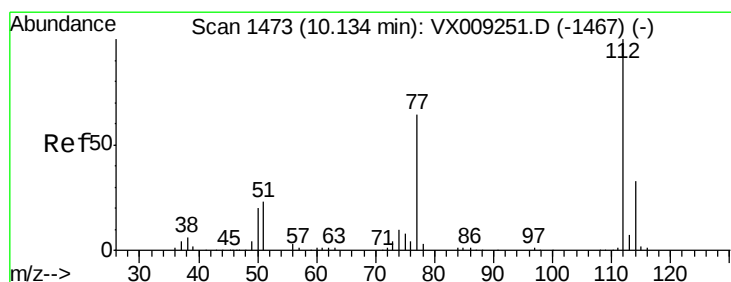
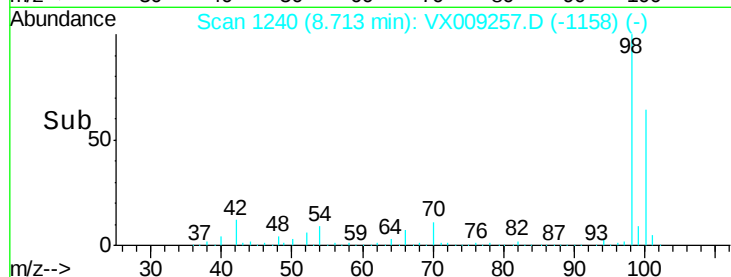
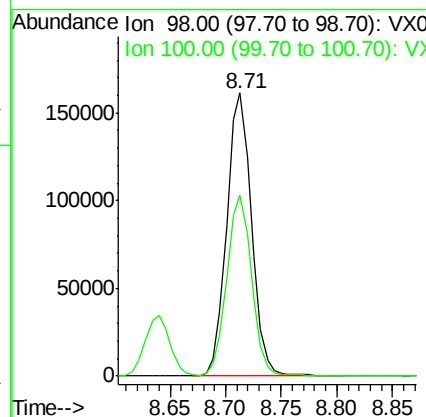
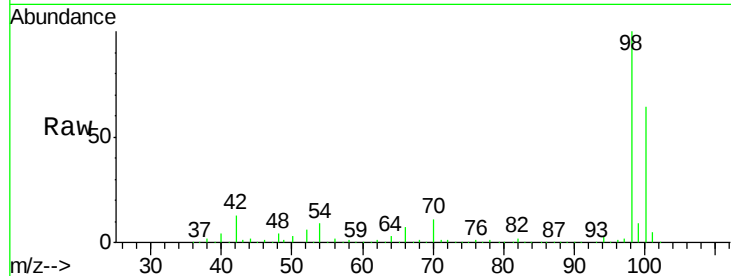
#63
Toluene-d8
Concen: 30.246 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009257.D
Acq: 01 May 2019 15:44

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050119

Tot Ion: 98 Resp: 249550
Ion Ratio Lower Upper
98 100
100 63.8 52.3 78.5

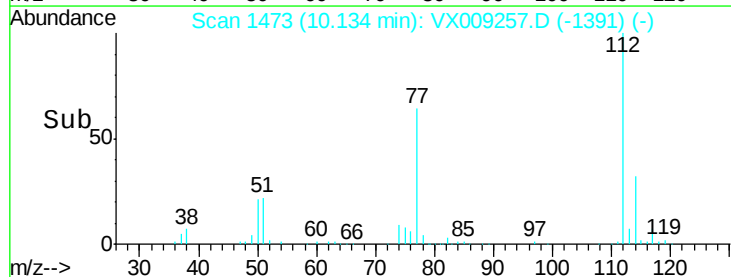
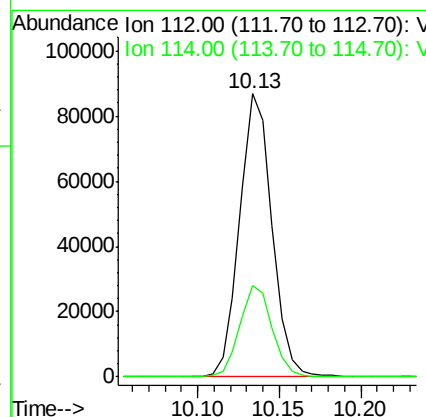
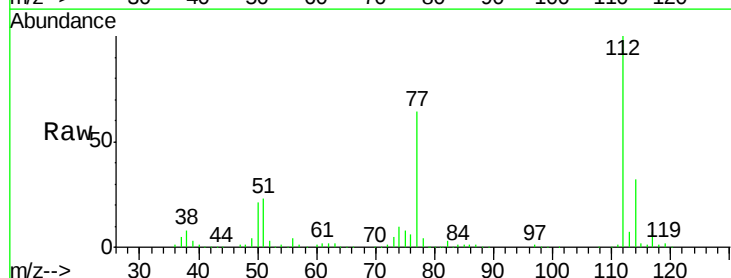
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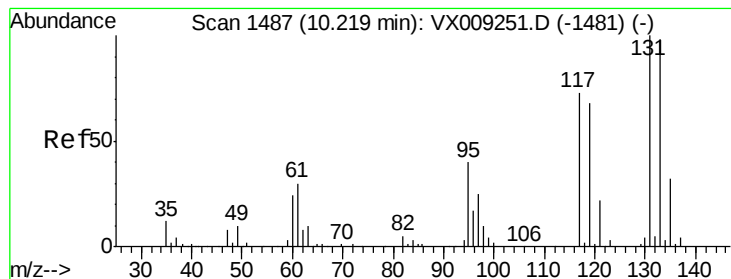
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#64
Chlorobenzene
Concen: 21.456 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX009257.D
Acq: 01 May 2019 15:44

Tgt Ion: 112 Resp: 120082
Ion Ratio Lower Upper
112 100
114 32.1 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 21.110 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009257.D

Acq: 01 May 2019 15:44

Instrument :

MSVOA_X

ClientSampleId :

ICVVX050119

Tot Ion:131 Resp: 43258

Ion Ratio Lower Upper

131 100

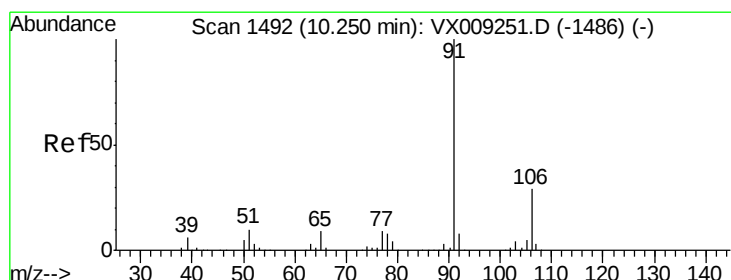
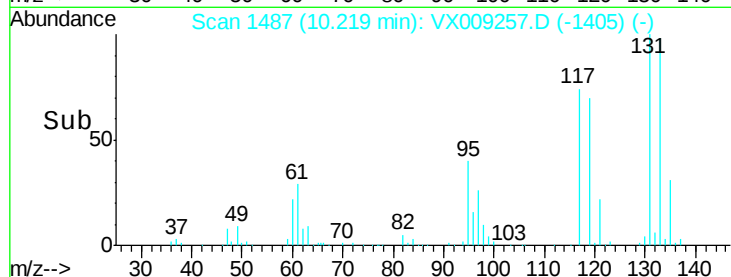
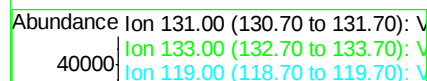
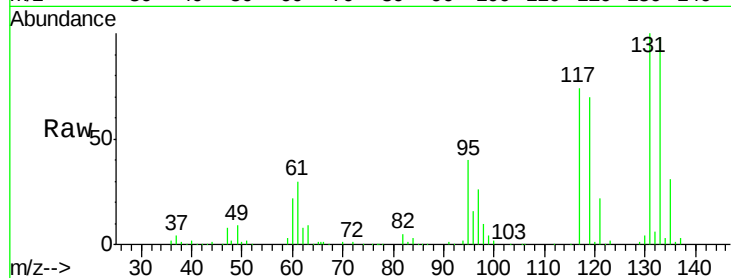
133 95.8 0.0 191.2

119 67.5 0.0 135.4

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#66

Ethyl Benzene

Concen: 21.671 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009257.D

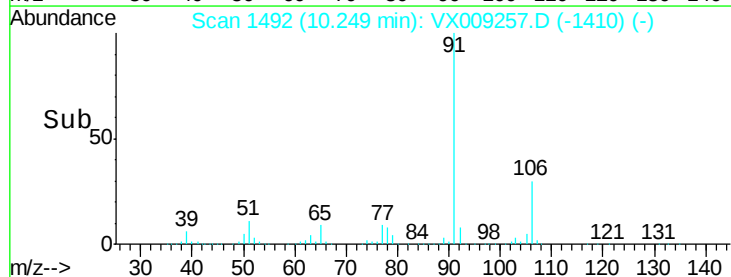
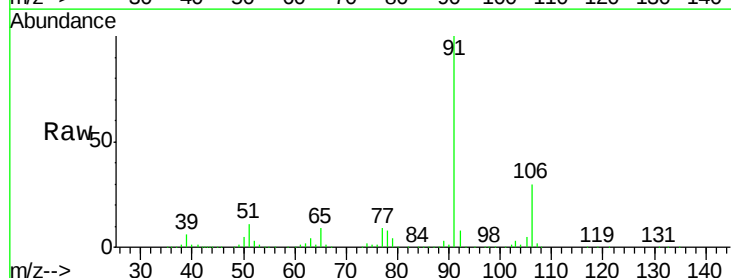
Acq: 01 May 2019 15:44

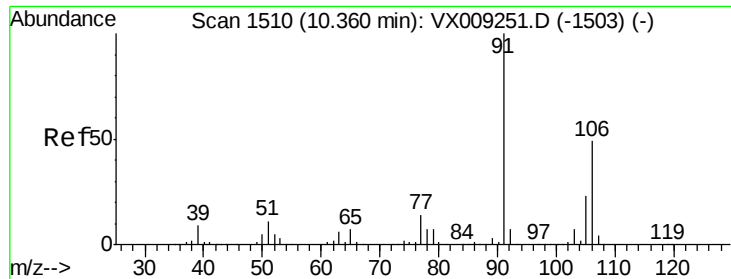
Tgt Ion: 91 Resp: 224500

Ion Ratio Lower Upper

91 100

106 30.1 23.5 35.3





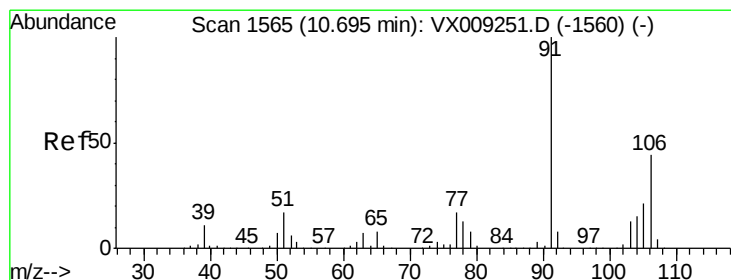
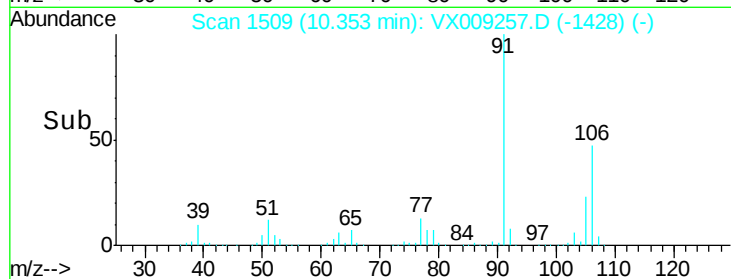
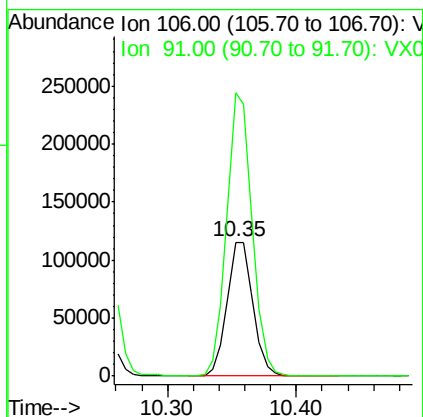
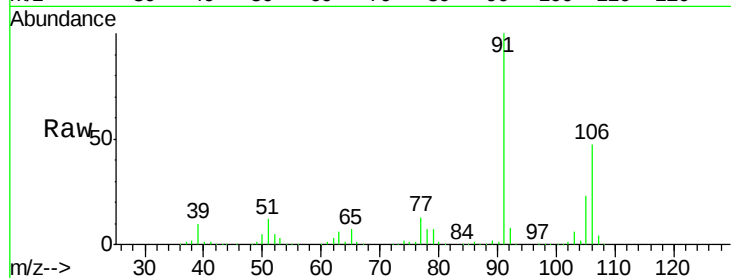
#67
m/p-Xvlenes
Concen: 43.399 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX009257.D
Acq: 01 May 2019 15:44

Instrument :
MSVOA_X
ClientSampled :
ICVVX050119

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		164146		
91	207.0	166.8	250.2		

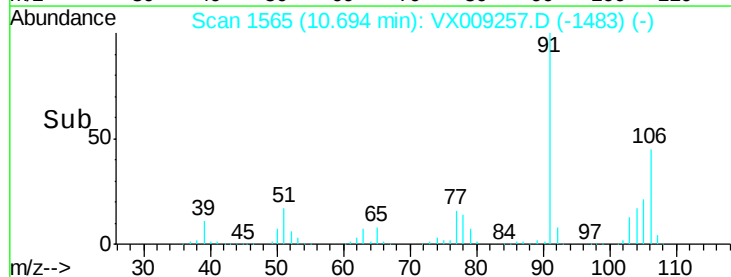
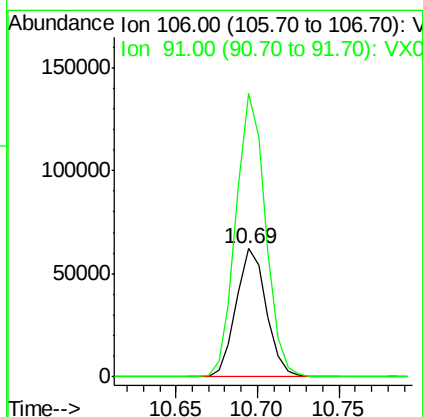
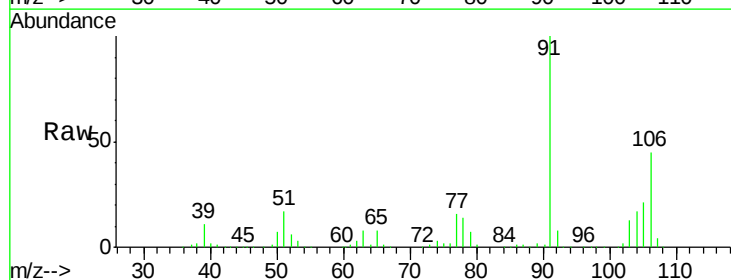
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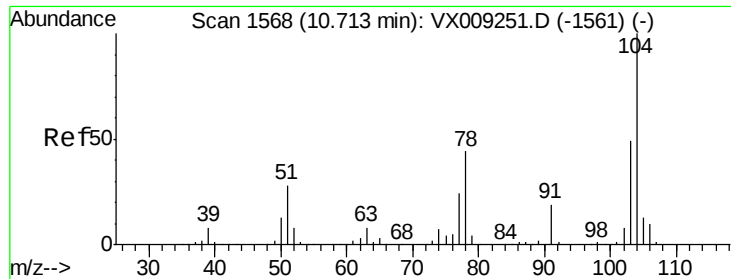
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#68
o-Xylene
Concen: 21.638 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX009257.D
Acq: 01 May 2019 15:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		80472		
91	217.0	110.8	332.3		





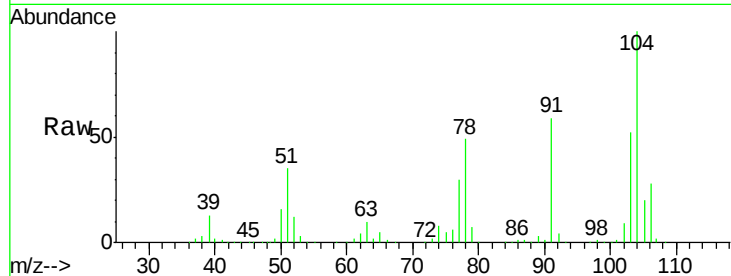
#69
Stvrene
Concen: 21.409 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009257.D
Acq: 01 May 2019 15:44

Instrument :
MSVOA_X
ClientSampled :
ICVVX050119

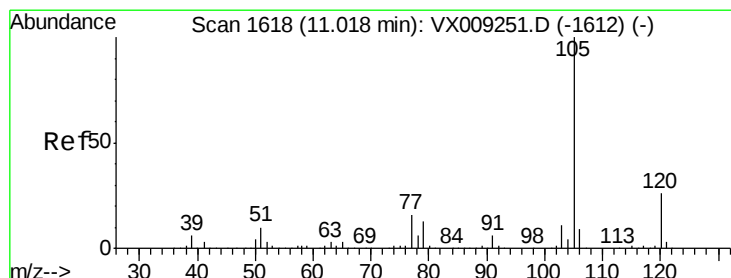
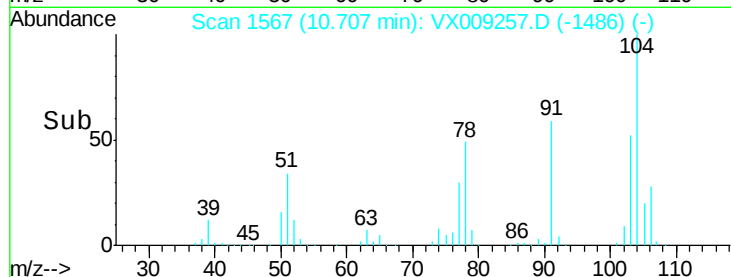
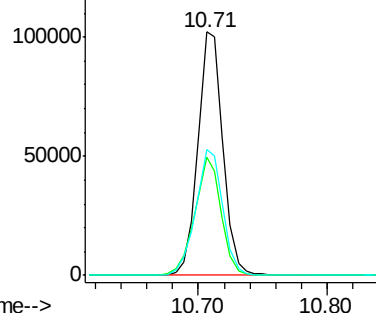
Tot Ion	Ratio	Resp	Lower	Upper
104	100	139772		
78	51.4		41.1	61.7
103	55.3		43.8	65.8

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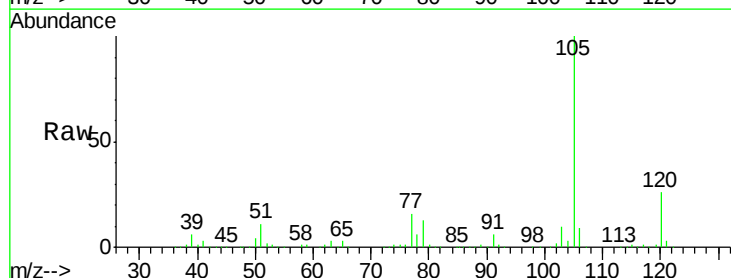


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

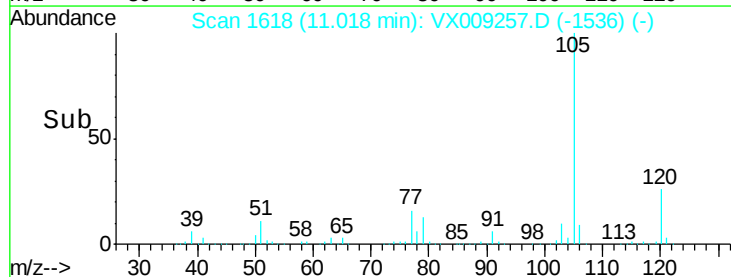
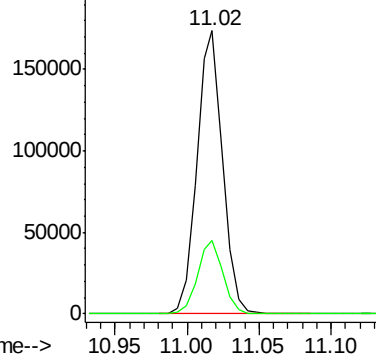


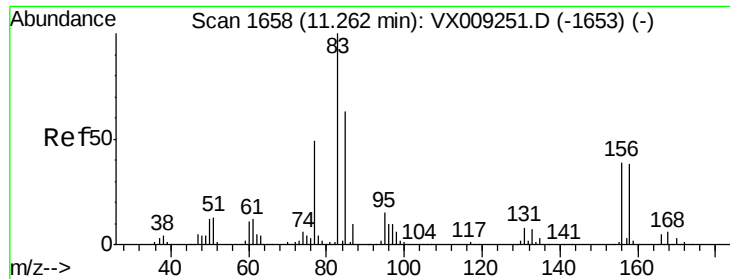
#70
Isopropylbenzene
Concen: 21.769 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX009257.D
Acq: 01 May 2019 15:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	217731		
120	25.9		18.1	33.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#71

1,1,2,2-Tetrachloroethane

Concen: 20.737 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VX009257.D

Acq: 01 May 2019 15:44

Instrument :

MSVOA_X

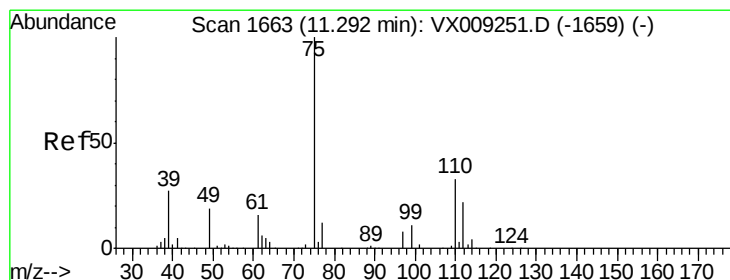
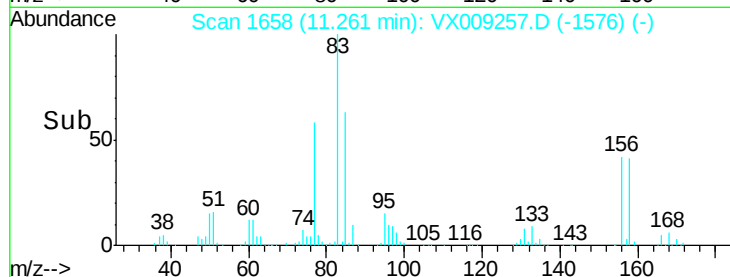
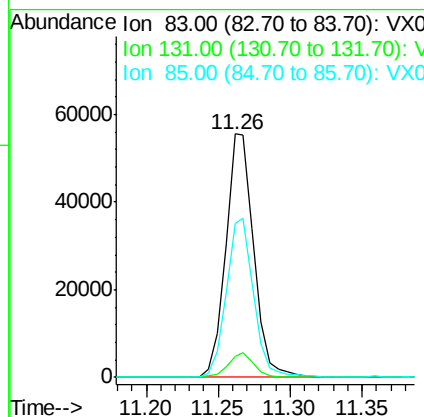
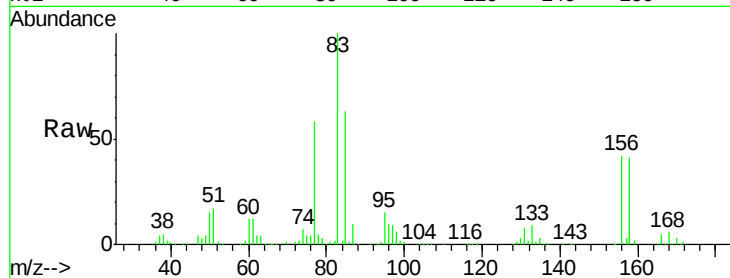
ClientSampleId :

ICVVX050119

Tot Ion:	83	Resp:	75960
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.7	14.0
85	63.8	32.4	97.2

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#72

1,2,3-Trichloropropane

Concen: 21.227 ug/l m

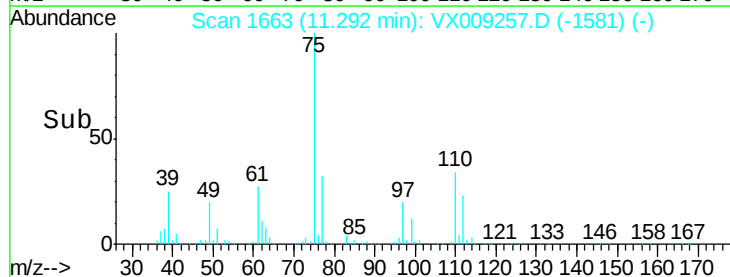
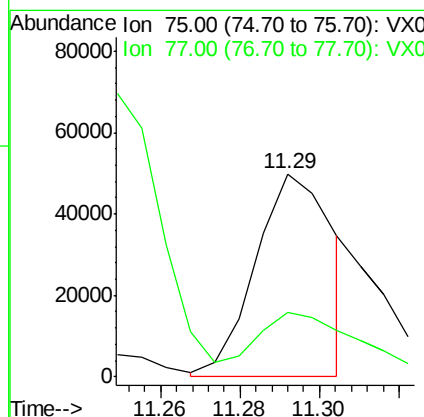
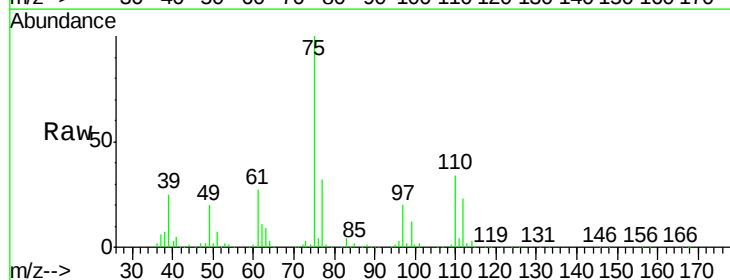
RT: 11.29 min Scan# 1663

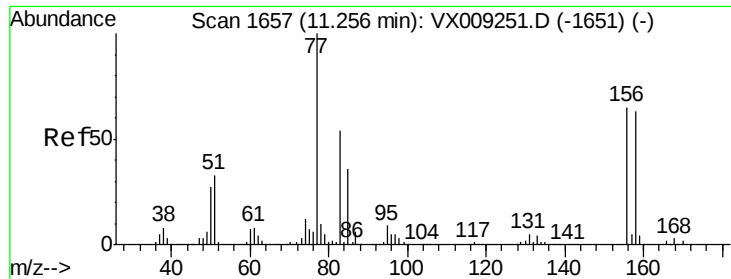
Delta R.T. -0.00 min

Lab File: VX009257.D

Acq: 01 May 2019 15:44

Tgt Ion:	75	Resp:	67004
Ion Ratio	Lower	Upper	
75	100		
77	42.5	0.0	86.4





#73

Bromobenzene

Concen: 21.512 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009257.D

Acq: 01 May 2019 15:44

Instrument :

MSVOA_X

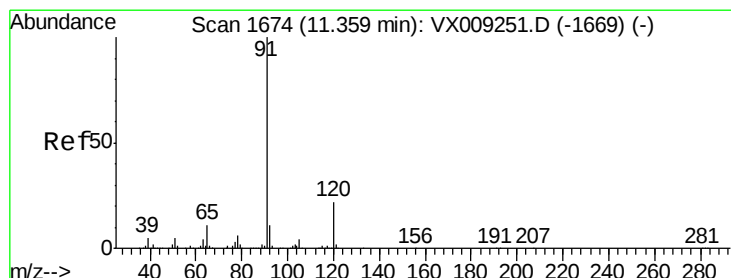
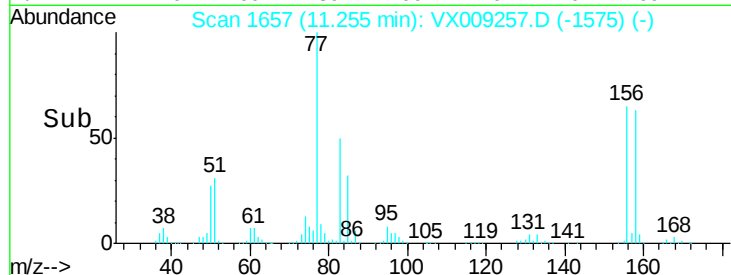
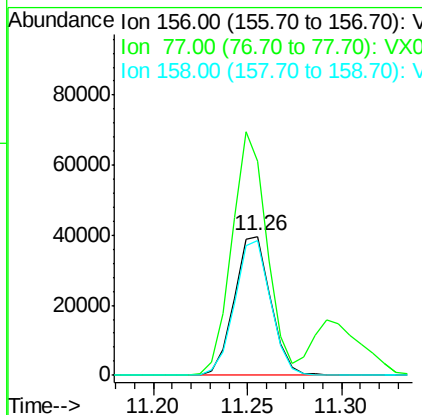
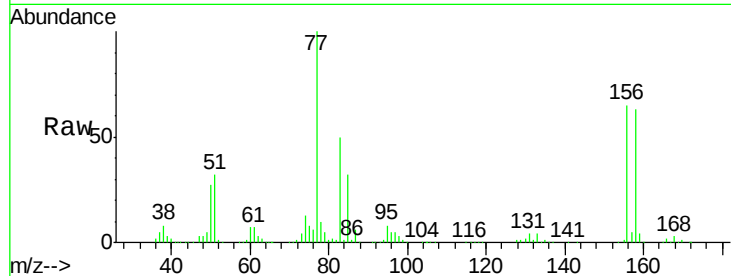
ClientSampled :

ICVVX050119

Tot Ion	Ratio	Lower	Upper
156	100		
77	168.2	0.0	335.6
158	95.6	0.0	191.2

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#74

n-propylbenzene

Concen: 22.078 ug/l

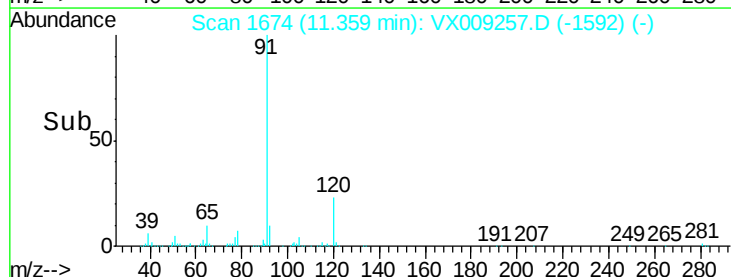
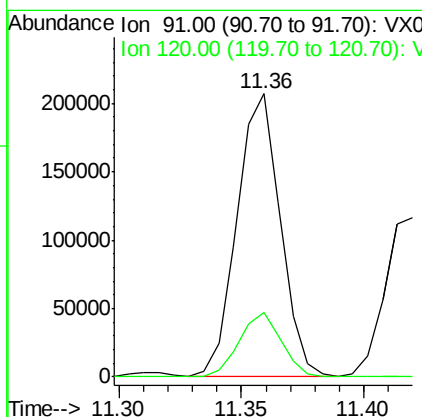
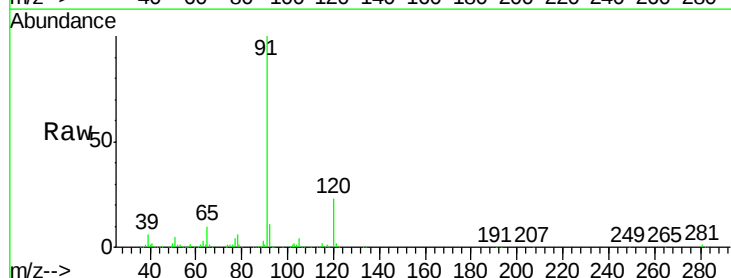
RT: 11.36 min Scan# 1674

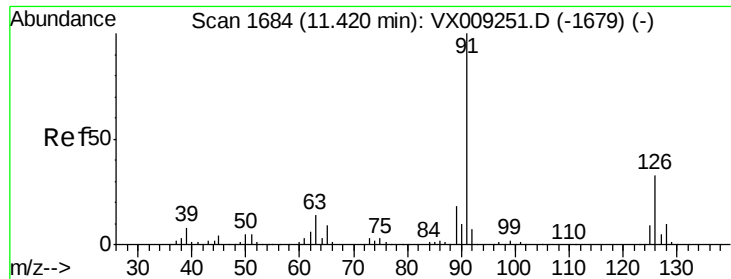
Delta R.T. -0.00 min

Lab File: VX009257.D

Acq: 01 May 2019 15:44

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	0.0	43.4





#75

2-Chlorotoluene

Concen: 21.705 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009257.D

Acq: 01 May 2019 15:44

Instrument :

MSVOA_X

ClientSampleId :

ICVVX050119

Tot Ion: 91 Resp: 150895

Ion Ratio Lower Upper

91 100

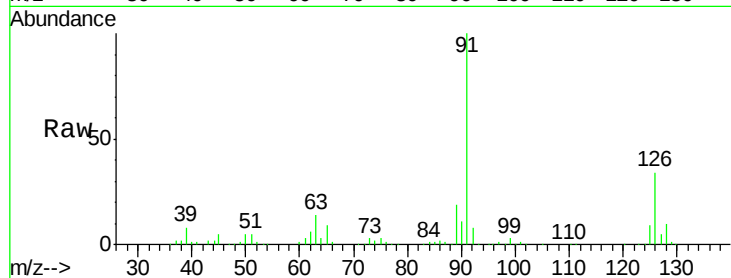
126 33.2 0.0 64.0

Manual Integrations

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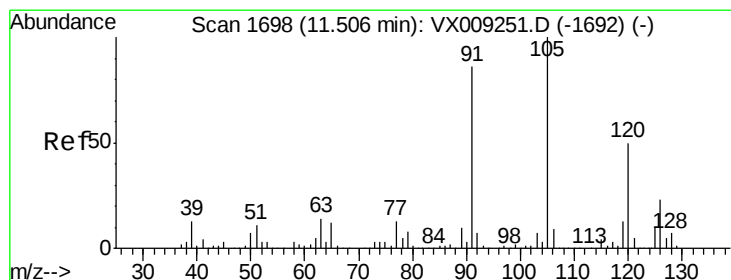
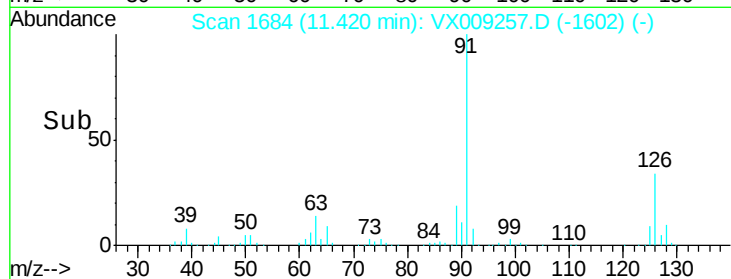
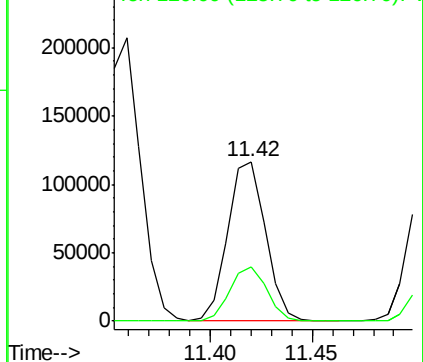
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 21.834 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009257.D

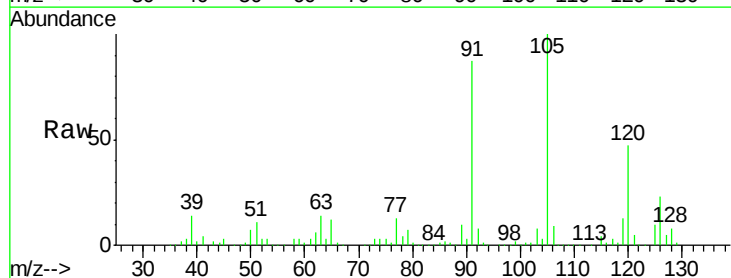
Acq: 01 May 2019 15:44

Tgt Ion:105 Resp: 184988

Ion Ratio Lower Upper

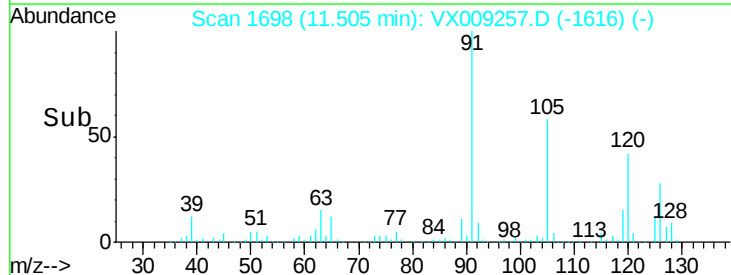
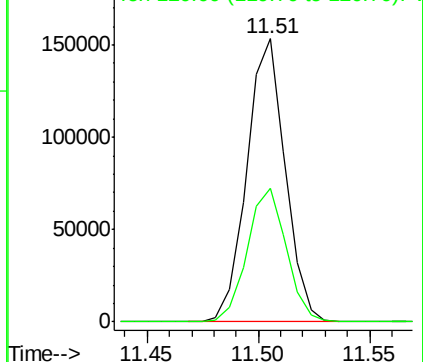
105 100

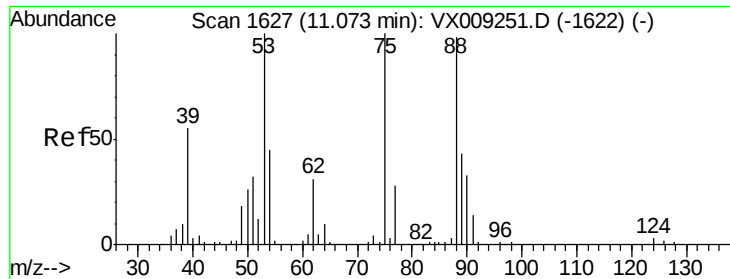
120 47.8 0.0 97.4



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: 19.379 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009257.D

Acq: 01 May 2019 15:44

Instrument :

MSVOA_X

ClientSampled :

ICVVX050119

Tot Ion: 75 Resp: 24675

Ion Ratio Lower Upper

75 100

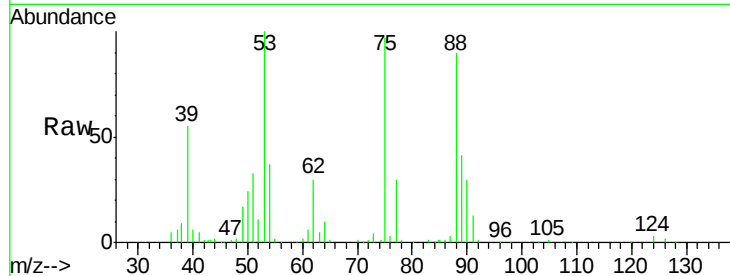
53 103.0 50.0 149.8

89 41.8 21.6 65.0

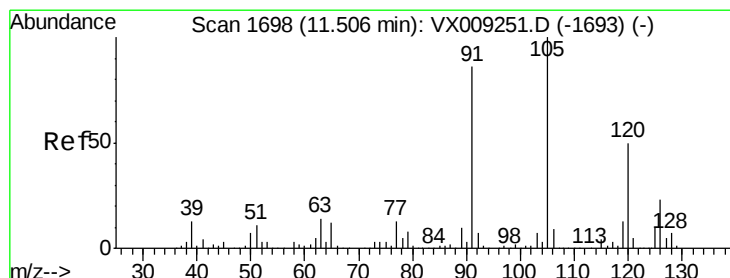
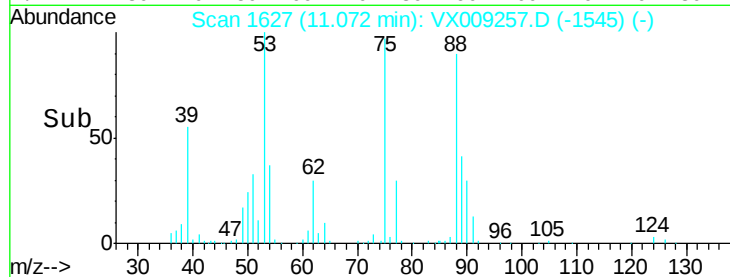
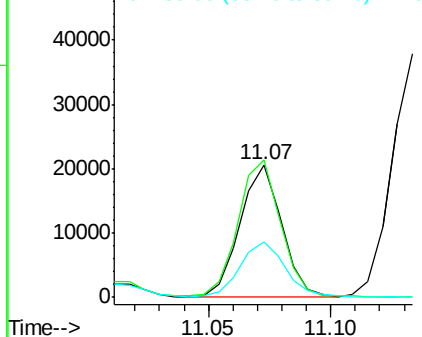
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Abundance Ion 75.00 (74.70 to 75.70): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 21.710 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009257.D

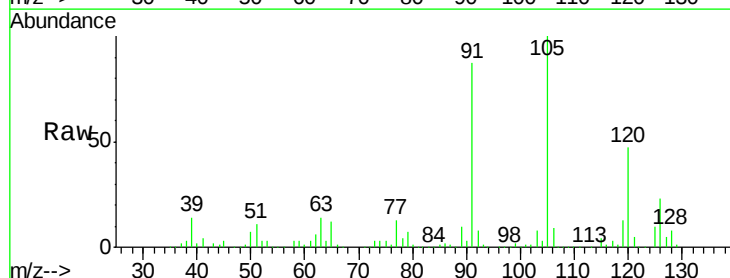
Acq: 01 May 2019 15:44

Tgt Ion: 91 Resp: 171421

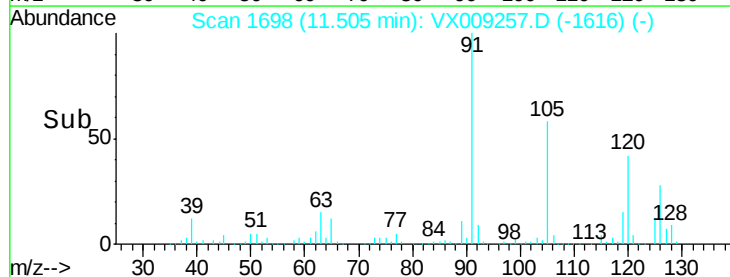
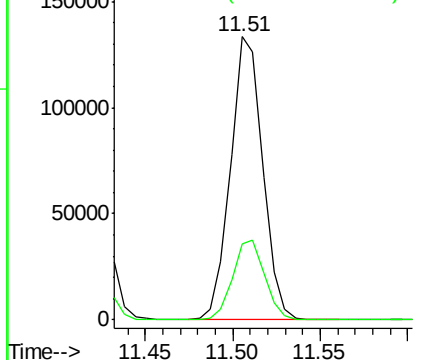
Ion Ratio Lower Upper

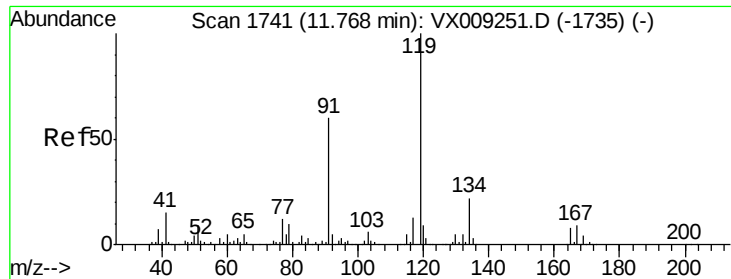
91 100

126 28.1 0.0 57.0



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 126.00 (125.70 to 126.70): V





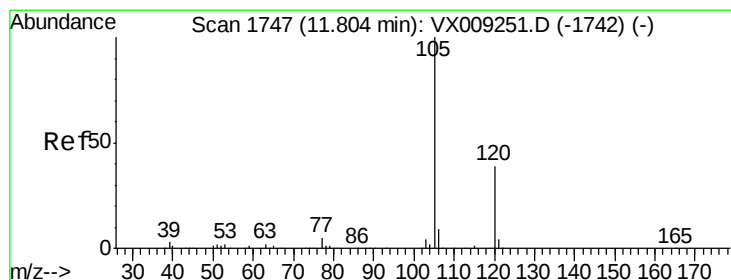
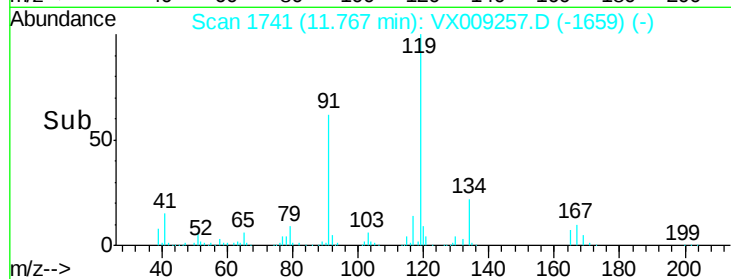
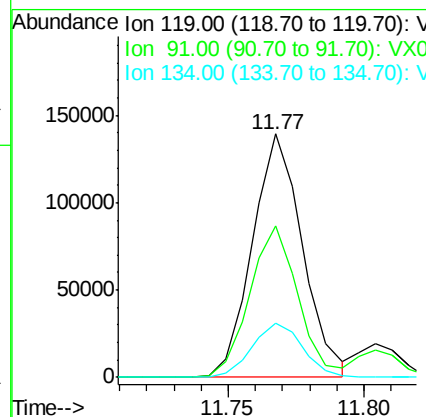
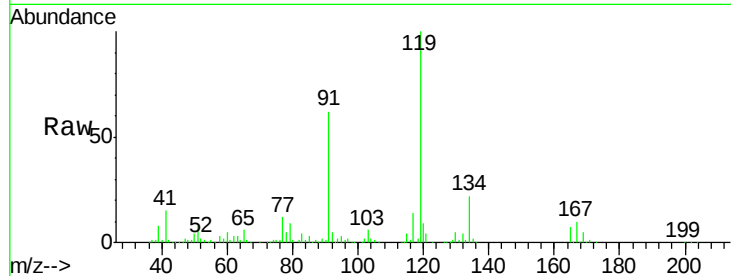
#79
tert-butylbenzene
Concen: 21.727 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX009257.D
Acq: 01 May 2019 15:44

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050119

Tot Ion	Ratio	Resp	Lower	Upper
119	100	177950		
91	60.3	0.0	118.2	
134	22.5	0.0	45.0	

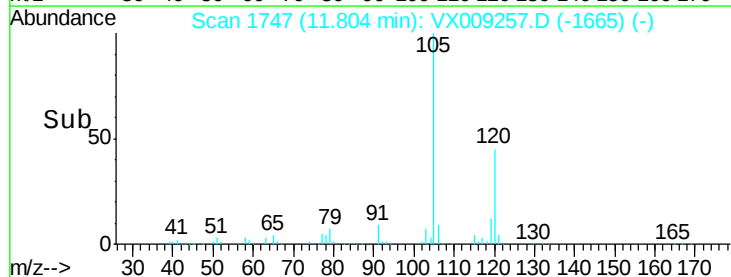
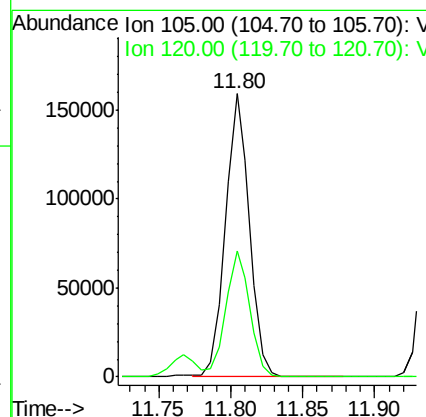
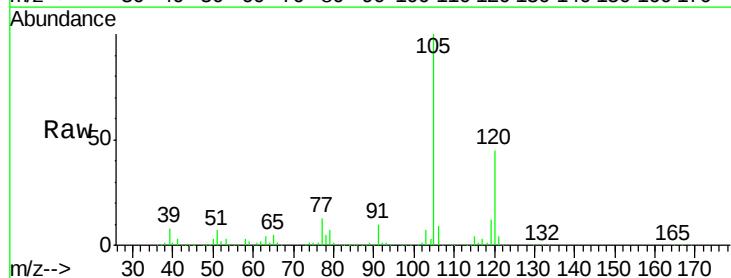
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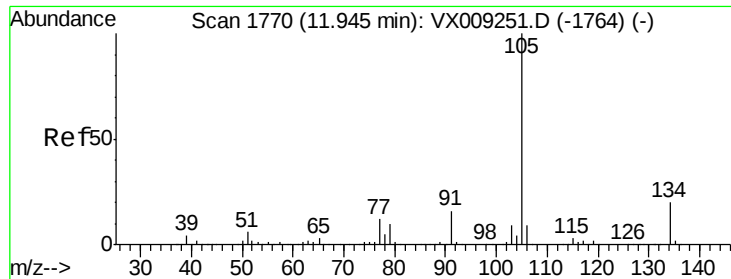
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#80
1,2,4-Trimethylbenzene
Concen: 21.859 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX009257.D
Acq: 01 May 2019 15:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	185622		
120	45.0	0.0	89.6	





#81

sec-Butylbenzene

Concen: 22.202 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009257.D

Acq: 01 May 2019 15:44

Instrument :

MSVOA_X

ClientSampleId :

ICVVX050119

Tot Ion:105 Resp: 216048

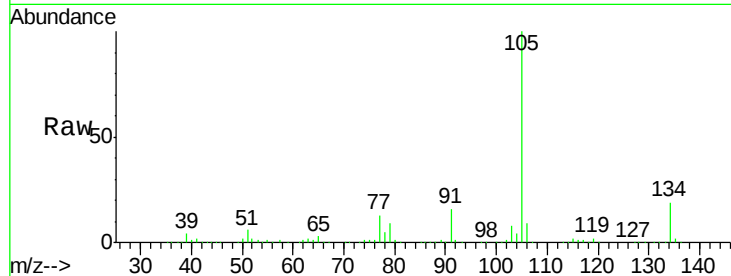
Ion Ratio Lower Upper

105 100

134 19.6 0.0 38.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

200000

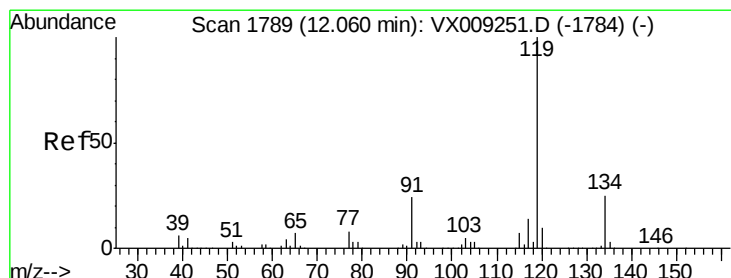
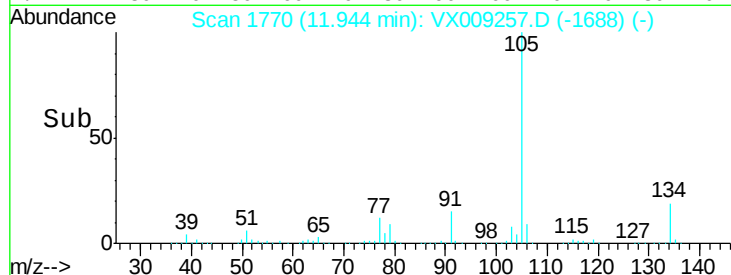
150000

100000

50000

0

Time-->



#82

p-Isopropyltoluene

Concen: 22.065 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009257.D

Acq: 01 May 2019 15:44

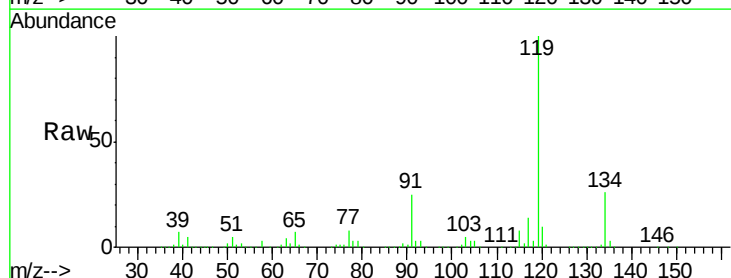
Tgt Ion:119 Resp: 195319

Ion Ratio Lower Upper

119 100

134 25.5 0.0 50.8

91 23.6 0.0 47.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.06

200000

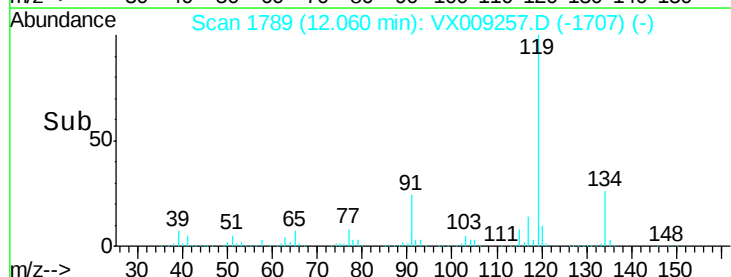
150000

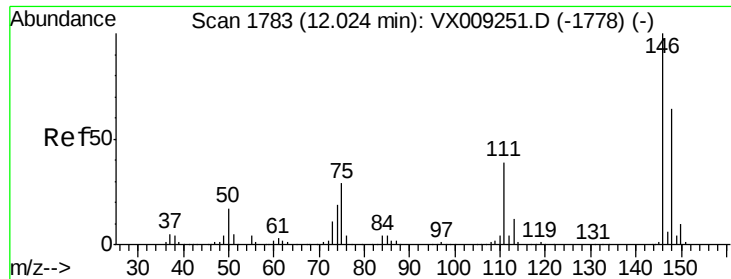
100000

50000

0

Time-->





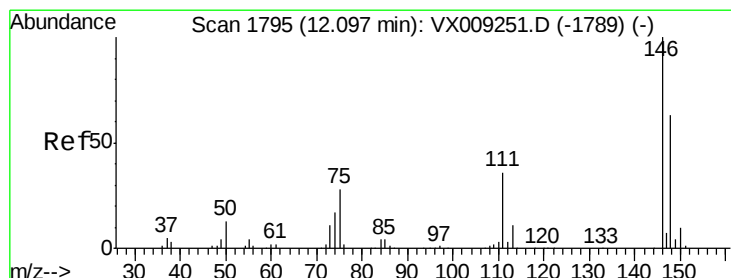
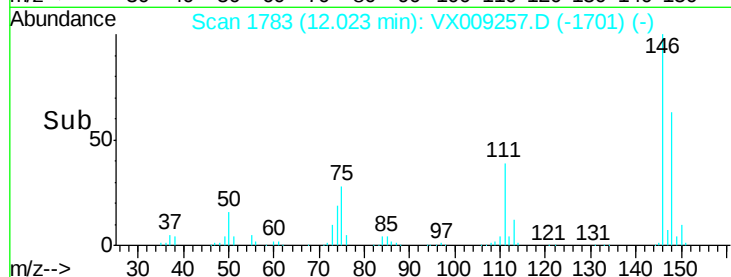
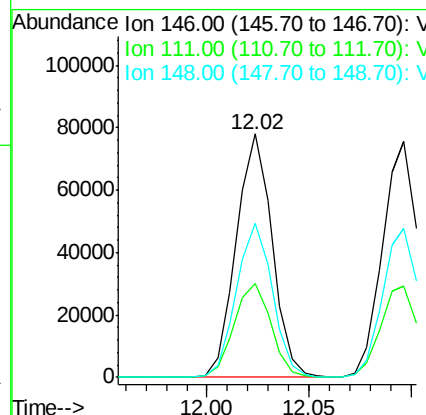
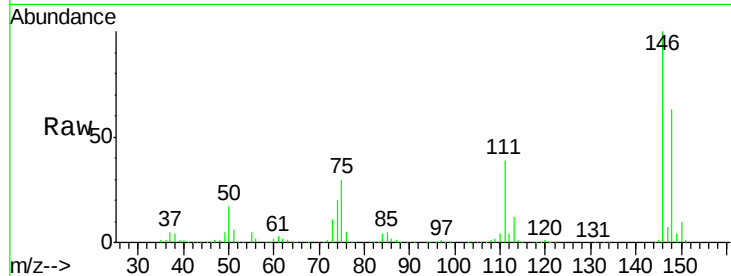
#83
 1,3-Dichlorobenzene
 Concen: 21.450 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009257.D
 Acq: 01 May 2019 15:44

Instrument :
 MSVOA_X
 ClientSampled :
 ICVVX050119

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	60.0
148	64.1	32.2	96.6

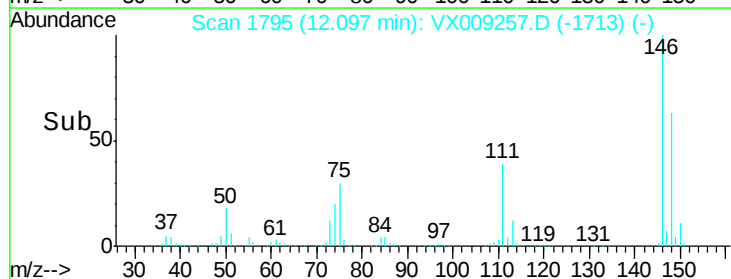
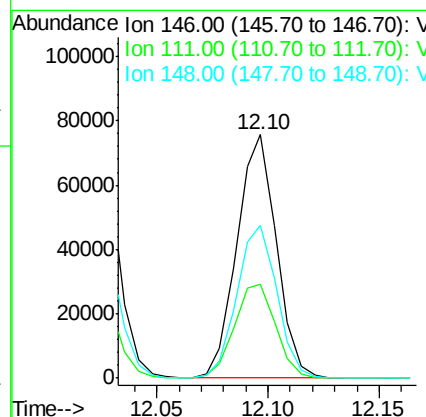
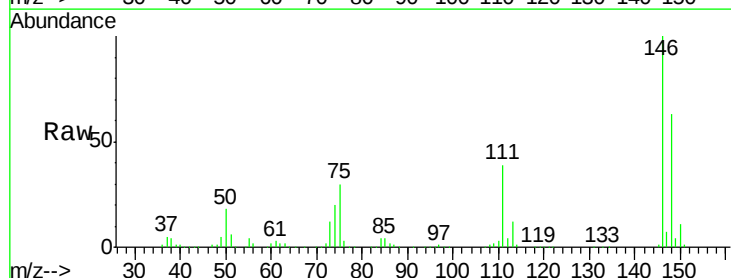
Manual Integrations
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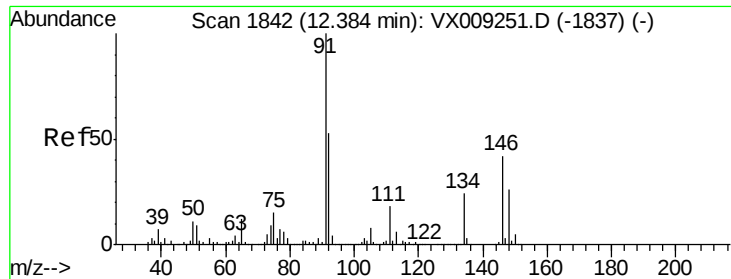
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#84
 1,4-Dichlorobenzene
 Concen: 21.202 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009257.D
 Acq: 01 May 2019 15:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	19.6	58.7
148	64.1	32.3	96.8





#85

n-Butylbenzene

Concen: 22.388 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX009257.D

Acq: 01 May 2019 15:44

Instrument :

MSVOA_X

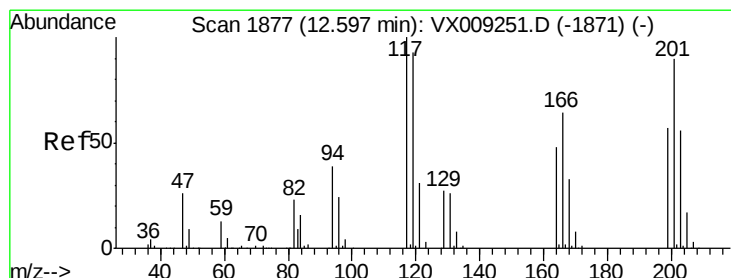
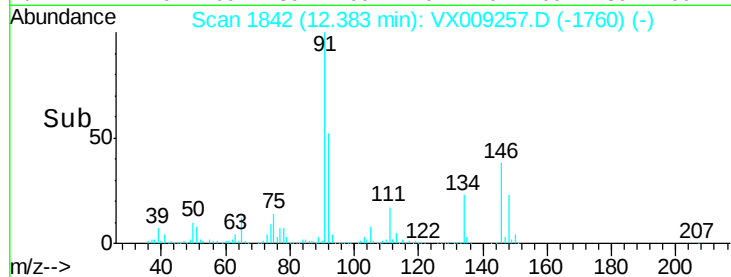
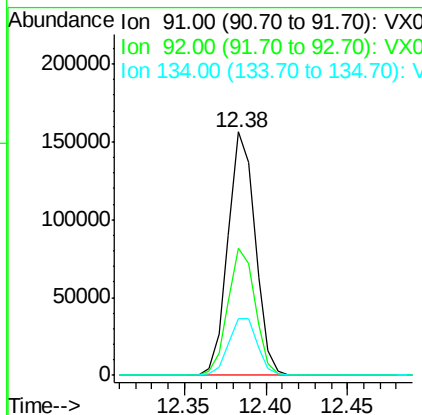
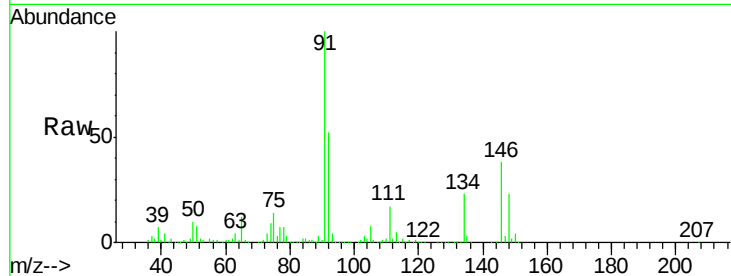
ClientSampleId :

ICVVX050119

Tot Ion:	91	Resp:	181331
Ion Ratio	Lower	Upper	
91	100		
92	52.3	0.0	106.6
134	24.6	0.0	50.0

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#86

Hexachloroethane

Concen: 21.296 ug/l

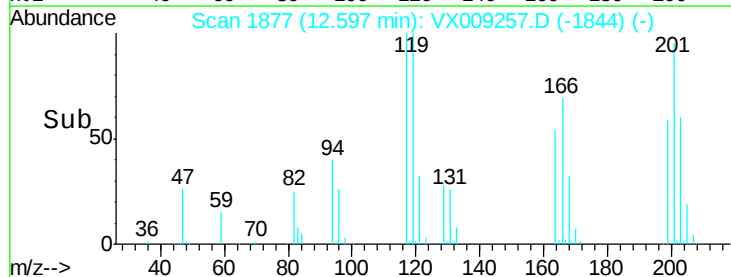
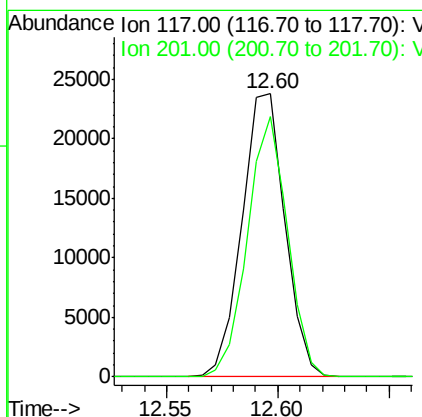
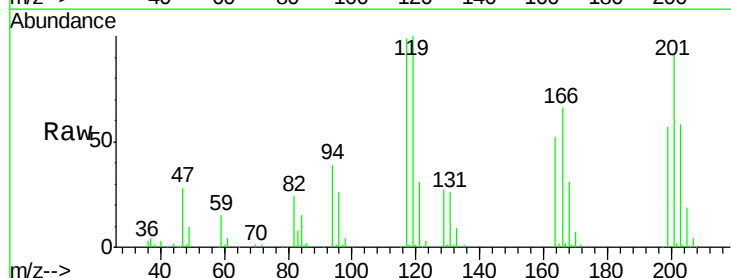
RT: 12.60 min Scan# 1877

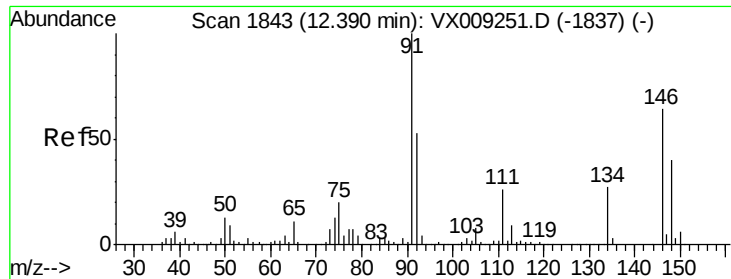
Delta R.T. -0.00 min

Lab File: VX009257.D

Acq: 01 May 2019 15:44

Tgt Ion:	117	Resp:	32077
Ion Ratio	Lower	Upper	
117	100		
201	85.8	41.8	125.4





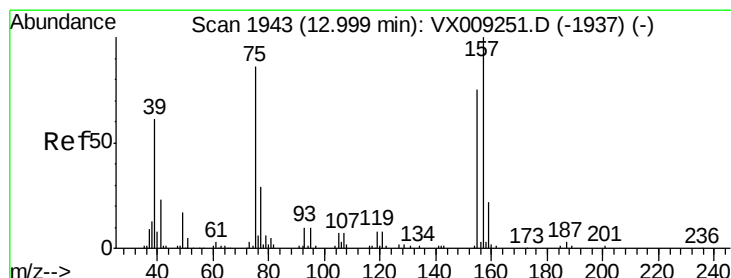
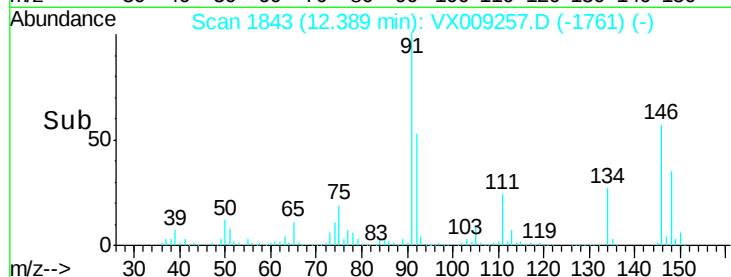
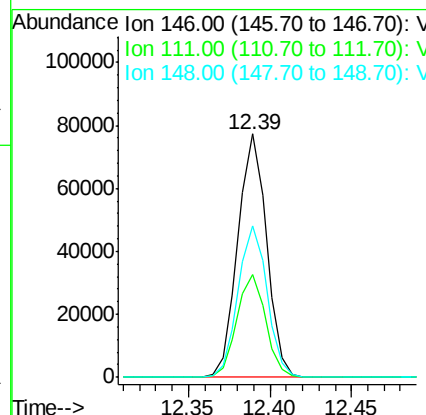
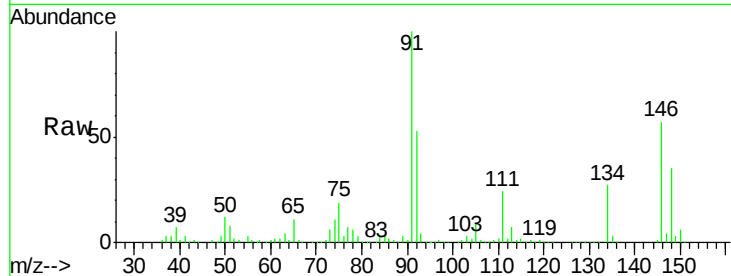
#87
 1,2-Dichlorobenzene
 Concen: 21.452 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009257.D
 Acq: 01 May 2019 15:44

Instrument :
 MSVOA_X
 ClientSampled :
 ICVVX050119

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.8	62.2
148	62.9	31.4	94.3

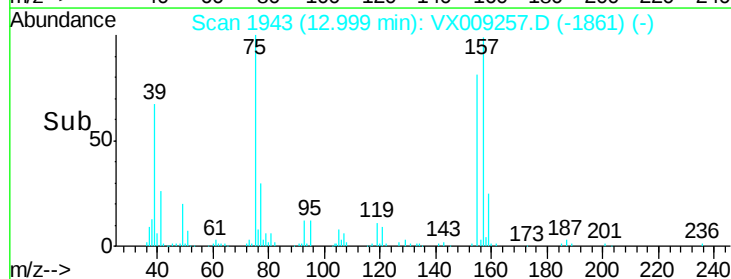
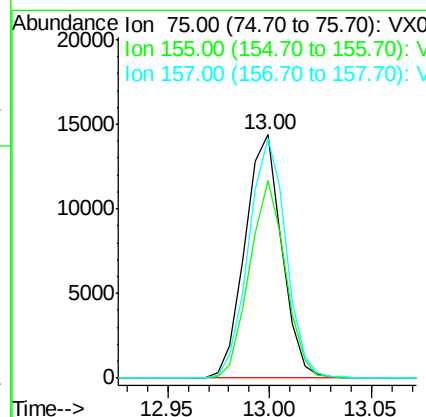
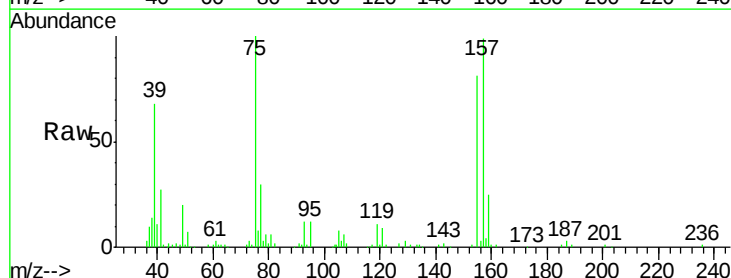
Manual Integrations
 APPROVED

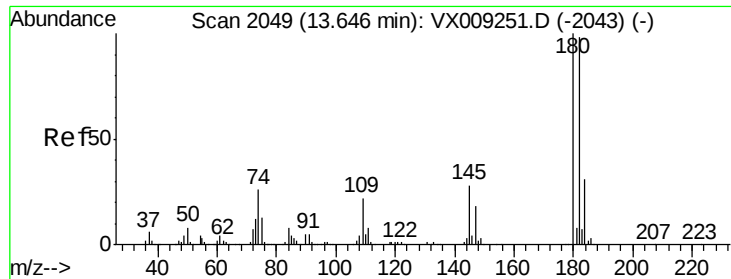
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 21.131 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009257.D
 Acq: 01 May 2019 15:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.5	65.9	98.9
157	100.5	85.2	127.8





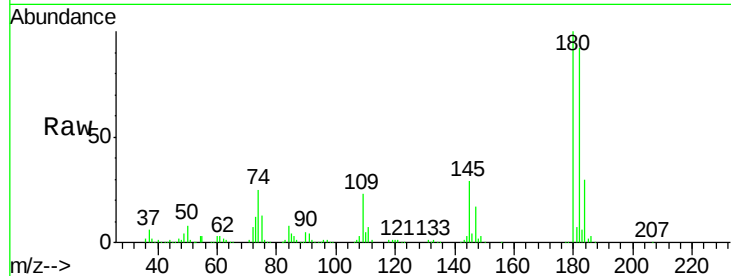
#89
 1,2,4-Trichlorobenzene
 Concen: 22.062 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009257.D
 Acq: 01 May 2019 15:44

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX050119

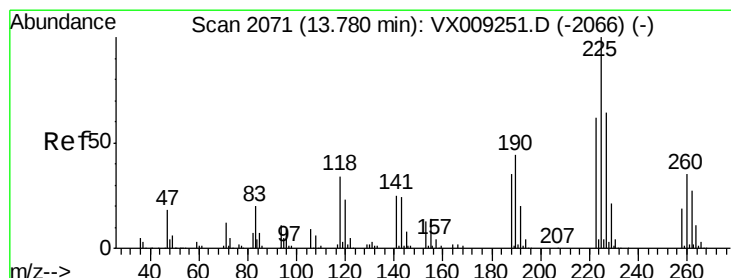
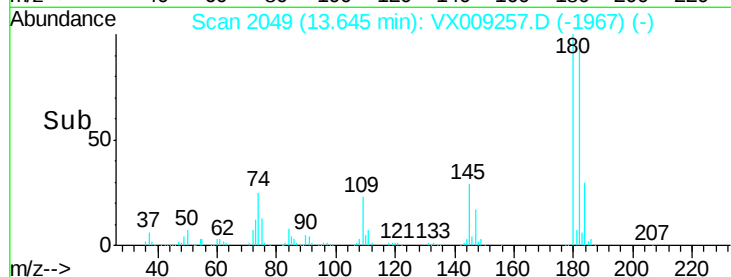
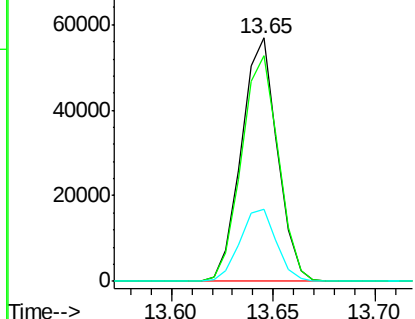
Tot Ion	Ratio	Resp	Lower	Upper
180	100	69858		
182	94.9	76.9	115.3	
145	30.2	23.0	34.6	

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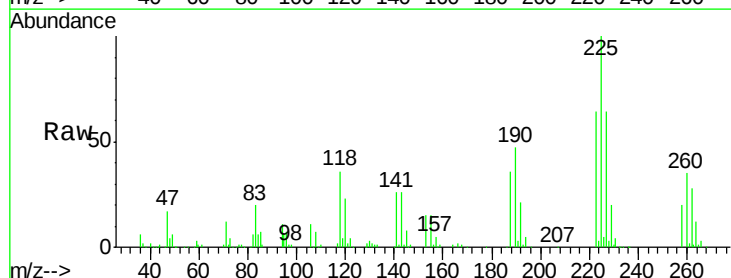


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

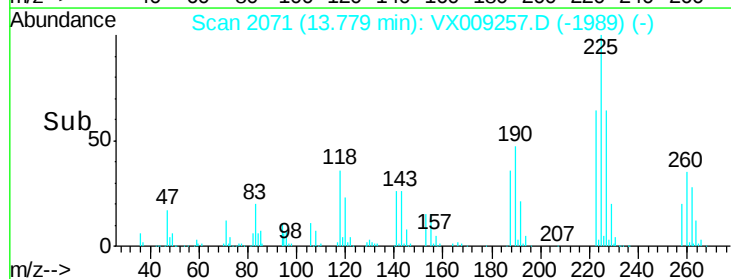
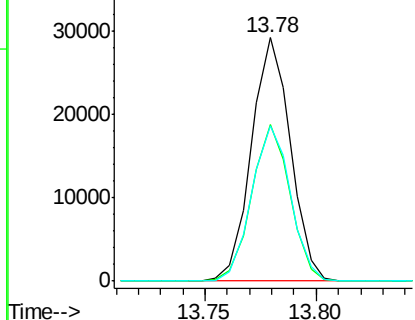


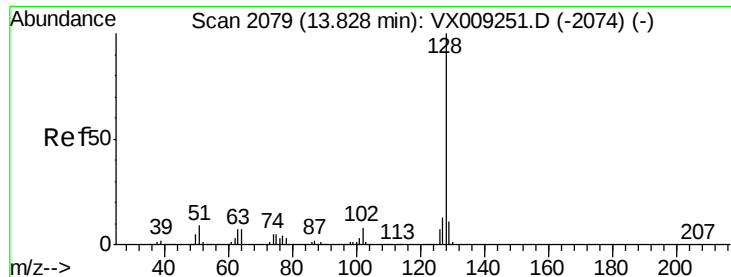
#90
 Hexachlorobutadiene
 Concen: 22.665 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009257.D
 Acq: 01 May 2019 15:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	35848		
223	62.9	0.0	126.6	
227	63.6	0.0	130.0	



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 21.955 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX009257.D

Acq: 01 May 2019 15:44

Instrument :

MSVOA_X

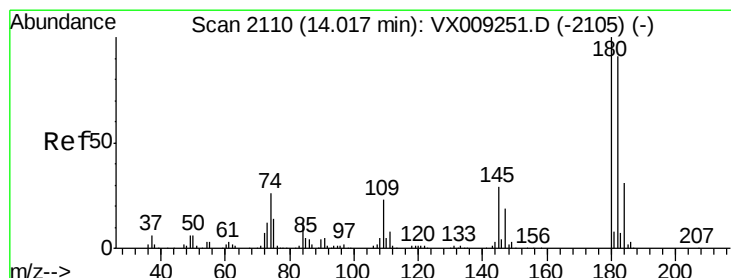
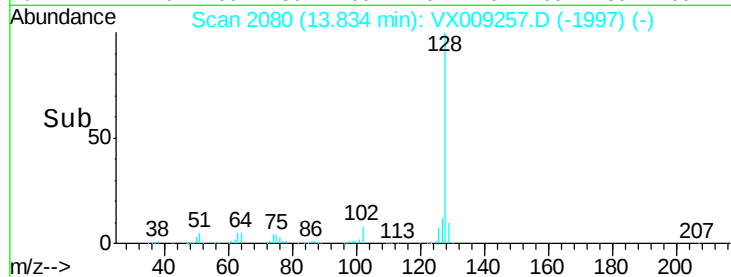
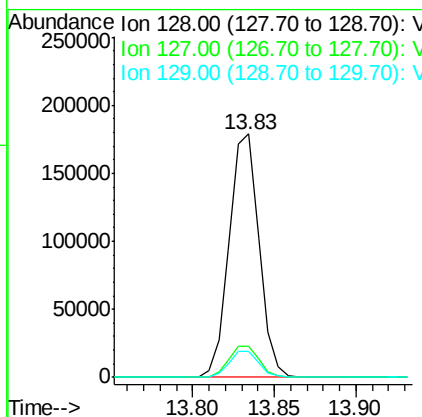
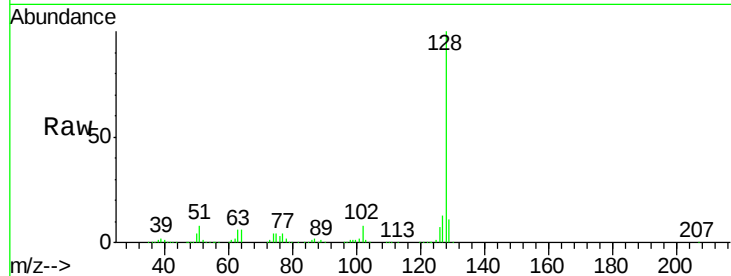
ClientSampleId :

ICVVX050119

Tot Ion:	128	Resp:	227614
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.8	8.7	13.1

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#92

1,2,3-Trichlorobenzene

Concen: 22.073 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009257.D

Acq: 01 May 2019 15:44

Tgt Ion:	180	Resp:	71048
Ion	Ratio	Lower	Upper
180	100		
182	97.2	0.0	189.0
145	31.2	0.0	61.6

