

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021319\
 Data File : VX007504.D
 Acq On : 13 Feb 2019 00:49
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX021319

Manual Integrations
 APPROVED

MMDadoda
 2/13/2019 11:52:59 AM

Quant Time: Feb 13 08:18:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X021319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 13 07:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	80168	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	428954	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	379283	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	159573	30.77	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.57%
60) 4-Bromofluorobenzene	11.13	95	175739	30.19	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.63%
63) Toluene-d8	8.71	98	508212	29.65	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	84264	20.756	ug/l 96
3) Chloromethane	1.33	50	99773	22.362	ug/l 96
4) Vinyl Chloride	1.41	62	105820	21.086	ug/l 98
5) Bromomethane	1.64	94	89094	19.880	ug/l 99
6) Chloroethane	1.73	64	73527	21.553	ug/l 93
7) Trichlorofluoromethane	1.93	101	169008	21.483	ug/l 100
8) Diethyl Ether	2.19	74	66821	21.264	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	92104	20.751	ug/l 98
10) 1,1-Dichloroethene	2.38	96	93247	21.172	ug/l 96
11) Methyl Iodide	2.51	142	109599	17.314	ug/l 96
12) Methyl Acetate	2.78	43	122577	20.181	ug/l 99
13) Acrolein	2.30	56	110793	104.570	ug/l 99
14) Acrylonitrile	3.15	53	298449	106.642	ug/l 100
15) Acetone	2.45	58	80401	105.859	ug/l 90
16) Carbon Disulfide	2.57	76	260777	22.328	ug/l 98
17) Allyl chloride	2.73	41	159071	21.080	ug/l 99
18) Methylene Chloride	2.86	84	102455	20.686	ug/l 96
19) trans-1,2-Dichloroethene	3.17	96	102710	21.804	ug/l 94
20) Diisopropyl ether	3.87	45	294821	20.674	ug/l 98
21) 1,1-Dichloroethane	3.70	63	167045	20.894	ug/l 98
22) cis-1,2-Dichloroethene	4.60	96	110097	21.001	ug/l 99
23) tert-Butyl Alcohol	3.07	59	135609	115.286	ug/l 100
24) Methyl tert-Butyl Ether	3.21	73	323222	21.147	ug/l 98
25) Chloroform	5.21	83	171899	20.358	ug/l 95
26) Cyclohexane	5.57	56	139998	20.882	ug/l # 3
29) 1,1-Dichloropropene	5.80	75	121884	20.370	ug/l 99
30) 2-Butanone	4.70	43	381095	107.625	ug/l 99
31) 2,2-Dichloropropane	4.59	77	93583	19.251	ug/l 97
32) 1,1,1-Trichloroethane	5.50	97	145964	20.409	ug/l 99
33) Carbon Tetrachloride	5.79	117	124624	19.712	ug/l 99
34) Benzene	6.15	78	389688	20.659	ug/l 99
35) Methacrylonitrile	5.06	41	77723	21.111	ug/l 97
36) 1,2-Dichloroethane	6.20	62	133170	20.745	ug/l 99
37) Trichloroethene	7.21	130	113229	20.879	ug/l 98
38) Methylcyclohexane	7.46	83	138655	20.018	ug/l 99
39) 1,2-Dichloropropane	7.51	63	97232	20.724	ug/l 98
40) Dibromomethane	7.66	93	69497	20.510	ug/l 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	117761	19.583	ug/l	99
42) Vinyl Acetate	3.82	43	1315632	106.148	ug/l	100
43) Ethyl Acetate	4.86	43	148041m	21.831	ug/l	
44) Isopropyl Acetate	6.46	43	217121	20.738	ug/l	99
45) 1,4-Dioxane	7.75	88	54722	442.870	ug/l	98
46) Methyl methacrylate	7.77	41	110267	20.798	ug/l	98
47) n-amyl Acetate	10.90	43	191362	20.737	ug/l	98
48) t-1,3-Dichloropropene	9.04	75	124391	20.038	ug/l	97
49) cis-1,3-Dichloropropene	8.44	75	139893	20.237	ug/l	97
50) 1,1,2-Trichloroethane	9.21	97	105555	21.364	ug/l	92
51) Ethyl methacrylate	9.18	69	148102	20.676	ug/l	98
52) 1,3-Dichloropropane	9.37	76	167805	21.056	ug/l	100
53) Dibromochloromethane	9.58	129	103548	20.150	ug/l	100
54) 1,2-Dibromoethane	9.67	107	112726	20.836	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	386099	106.023	ug/l	100
56) Bromoform	10.86	173	76802	19.814	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	738580	108.261	ug/l	100
59) 2-Hexanone	9.49	43	562371	108.526	ug/l	100
61) Tetrachloroethene	9.33	164	111721	20.750	ug/l	95
62) Toluene	8.79	91	428553	20.747	ug/l	98
64) Chlorobenzene	10.14	112	281945	21.004	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	101744	20.926	ug/l	99
66) Ethyl Benzene	10.25	91	448125	20.444	ug/l	98
67) m/p-Xylenes	10.36	106	351235	40.853	ug/l	100
68) o-Xylene	10.70	106	172439	20.565	ug/l	100
69) Styrene	10.71	104	278269	20.565	ug/l	99
70) Isopropylbenzene	11.02	105	456525	20.637	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.27	83	153637	21.009	ug/l	100
72) 1,2,3-Trichloropropane	11.30	75	138932m	20.779	ug/l	
73) Bromobenzene	11.26	156	127488	21.108	ug/l	99
74) n-propylbenzene	11.36	91	502116	20.442	ug/l	100
75) 2-Chlorotoluene	11.42	91	304854	20.757	ug/l	97
76) 1,3,5-Trimethylbenzene	11.51	105	367004	20.324	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	38851	20.130	ug/l	89
78) 4-Chlorotoluene	11.51	91	347991	20.759	ug/l	99
79) tert-butylbenzene	12.06	119	384095	20.031	ug/l	100
80) 1,2,4-Trimethylbenzene	11.80	105	377335	20.584	ug/l	100
81) sec-Butylbenzene	11.94	105	441496	20.473	ug/l	100
82) p-Isopropyltoluene	12.06	119	384095	20.031	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	217686	20.502	ug/l	97
84) 1,4-Dichlorobenzene	12.10	146	220173	20.780	ug/l	98
85) n-Butylbenzene	12.39	91	314537	19.768	ug/l	99
86) Hexachloroethane	12.60	117	61725	19.389	ug/l	95
87) 1,2-Dichlorobenzene	12.39	146	220519	20.693	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	31213	20.453	ug/l	96
89) 1,2,4-Trichlorobenzene	13.65	180	147641	21.094	ug/l	100
90) Hexachlorobutadiene	13.78	225	68330	20.895	ug/l	99
91) Naphthalene	13.83	128	476901	21.364	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	149735	21.045	ug/l	98

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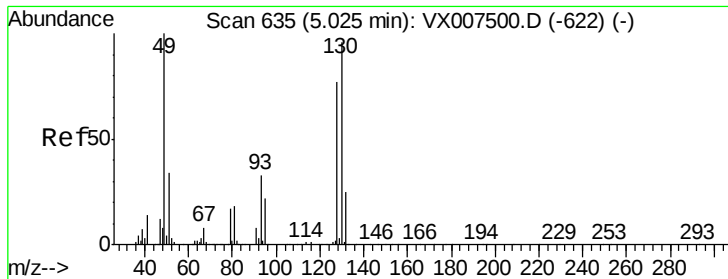
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. -0.01 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

Instrument :

MSVOA_X

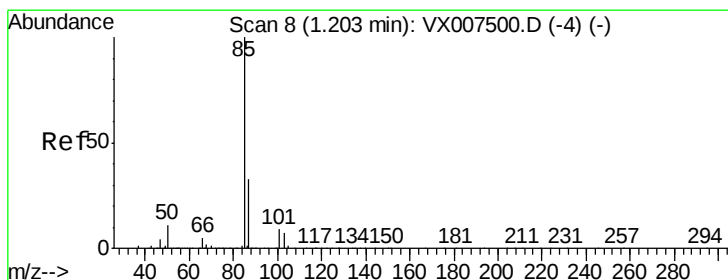
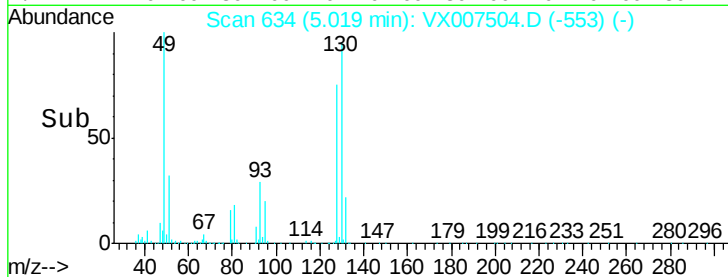
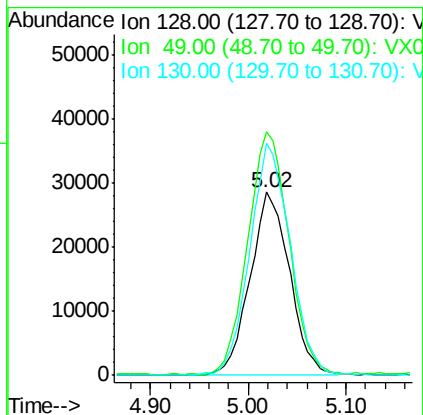
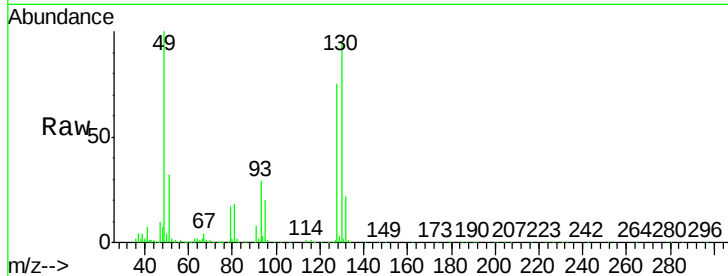
ClientSampleId :

ICVVX021319

Tot Ion:	128	Resp:	80168
Ion	Ratio	Lower	Upper
128	100		
49	138.1	0.0	350.8
130	129.4	0.0	325.8

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#2

Dichlorodifluoromethane

Concen: 20.756 ug/l

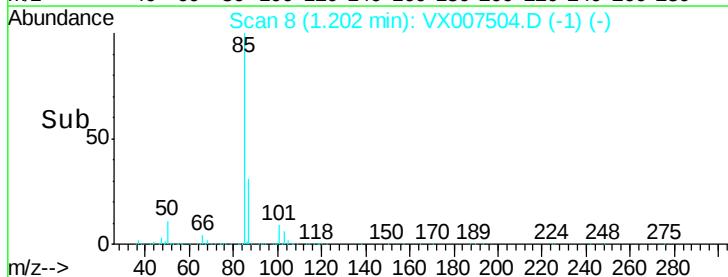
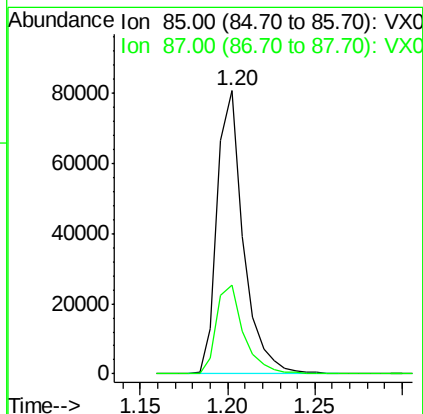
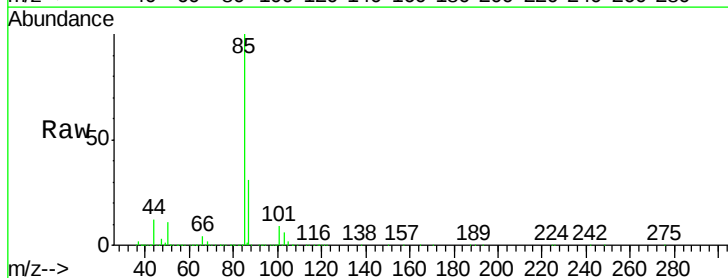
RT: 1.20 min Scan# 8

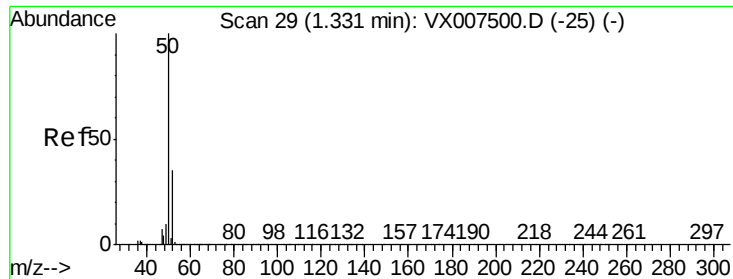
Delta R.T. -0.00 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

Tgt Ion:	85	Resp:	84264
Ion	Ratio	Lower	Upper
85	100		
87	31.1	16.6	49.8





#3

Chloromethane

Concen: 22.362 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

Instrument :

MSVOA_X

ClientSampled :

ICVVX021319

Tot Ion: 50 Resp: 99773

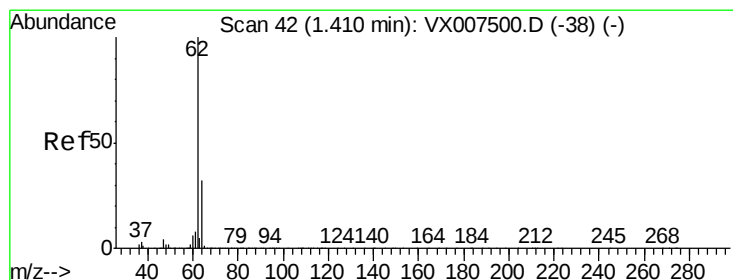
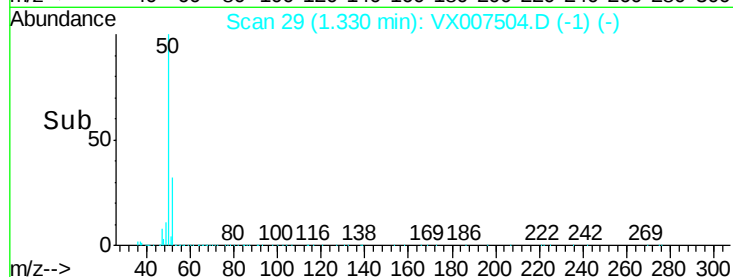
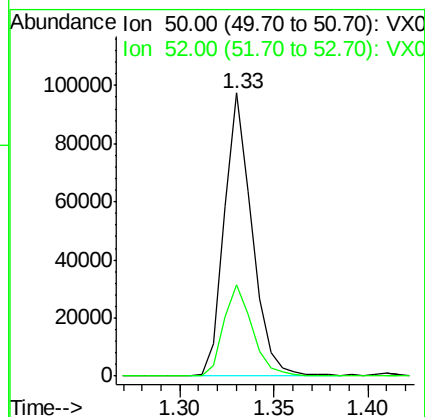
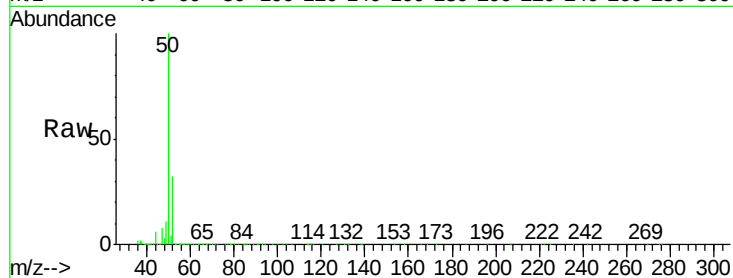
Ion Ratio Lower Upper

50 100

52 32.2 27.5 41.3

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#4

Vinyl Chloride

Concen: 21.086 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007504.D

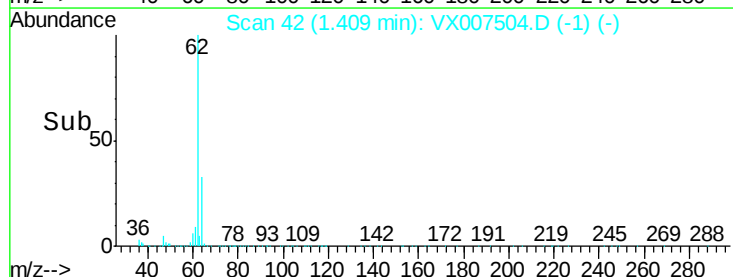
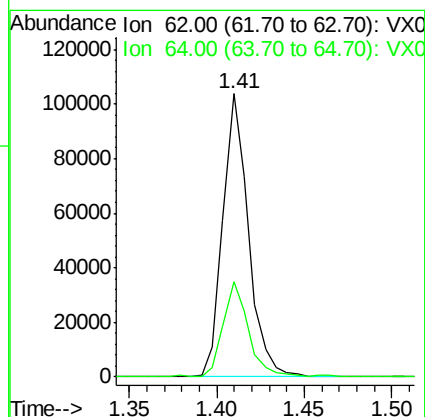
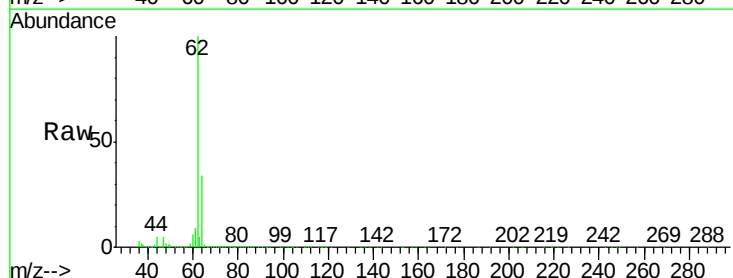
Acq: 13 Feb 2019 00:49

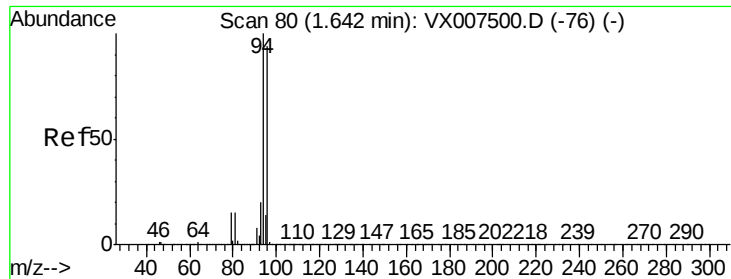
Tgt Ion: 62 Resp: 105820

Ion Ratio Lower Upper

62 100

64 33.5 25.9 38.9





#5

Bromomethane

Concen: 19.880 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

Instrument :

MSVOA_X

ClientSampleId :

ICVVX021319

Tot Ion: 94 Resp: 89094

Ion Ratio Lower Upper

94 100

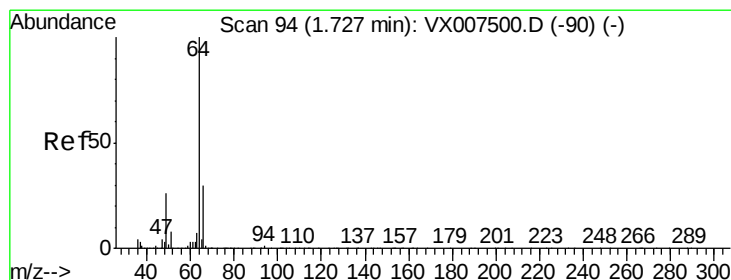
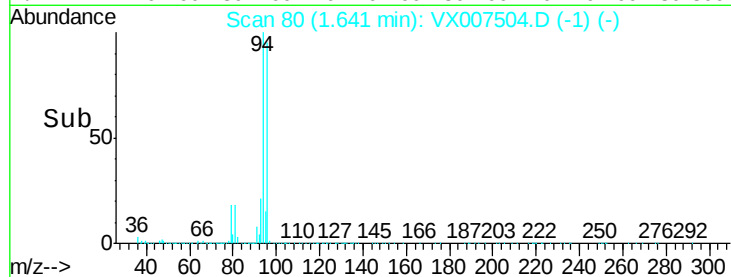
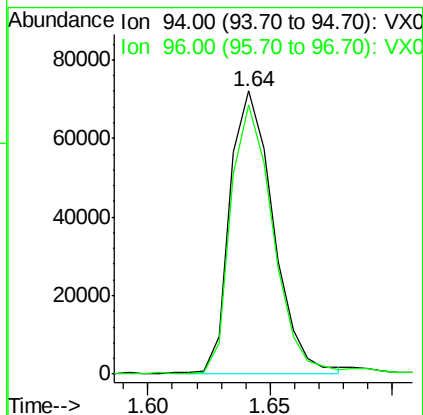
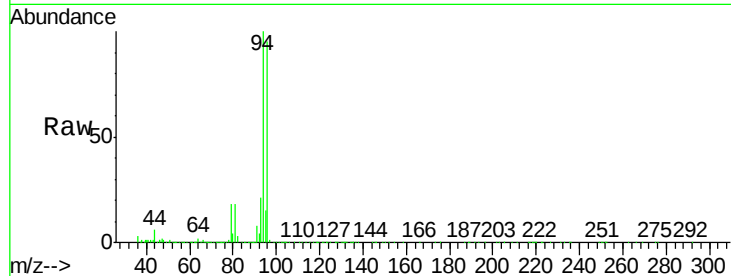
96 95.5 75.6 113.4

Manual Integrations

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#6

Chloroethane

Concen: 21.553 ug/l

RT: 1.73 min Scan# 94

Delta R.T. -0.00 min

Lab File: VX007504.D

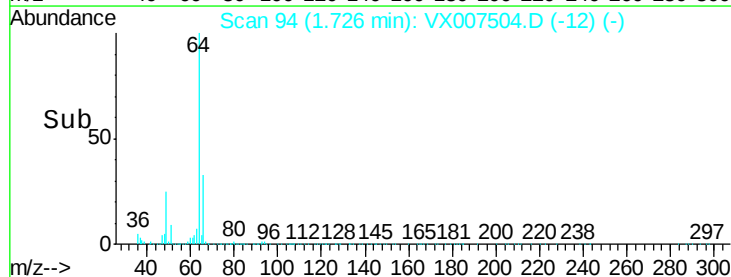
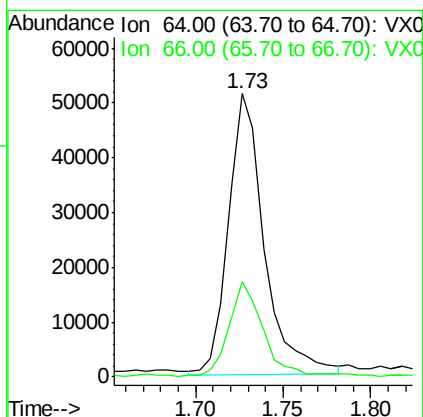
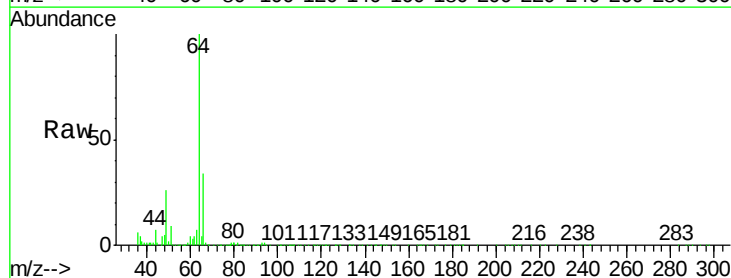
Acq: 13 Feb 2019 00:49

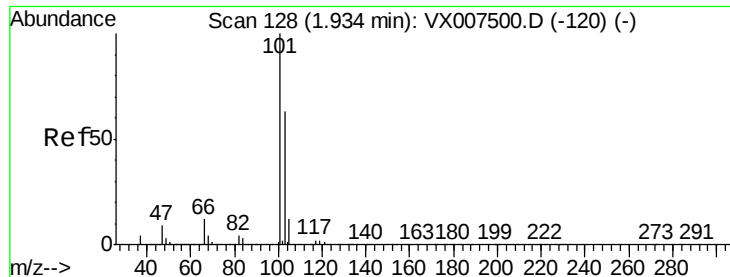
Tgt Ion: 64 Resp: 73527

Ion Ratio Lower Upper

64 100

66 33.6 23.9 35.9





#7

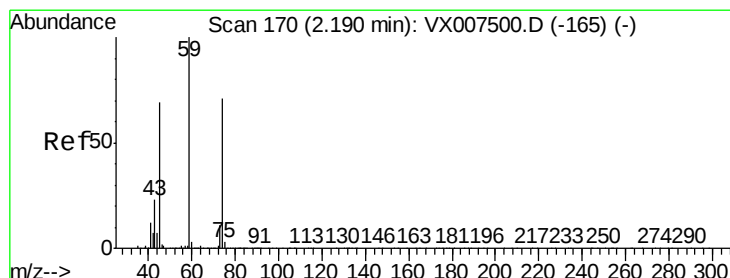
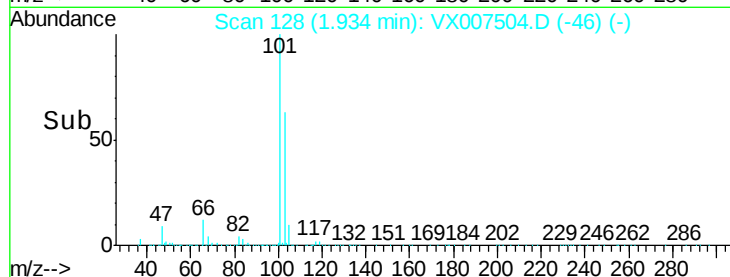
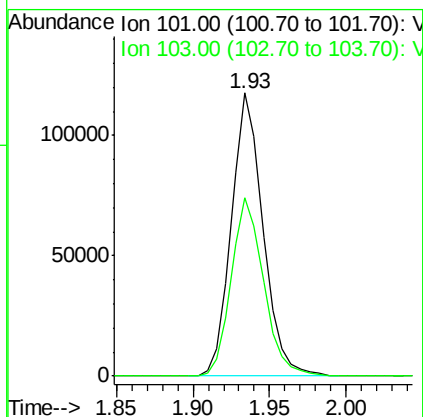
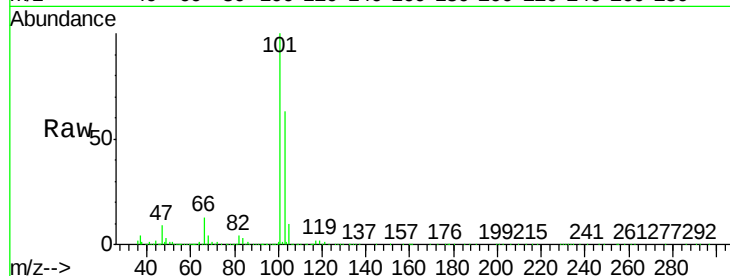
Trichlorofluoromethane
Concen: 21.483 ug/l
RT: 1.93 min Scan# 128
Delta R.T. -0.00 min
Lab File: VX007504.D
Acq: 13 Feb 2019 00:49

Instrument :
MSVOA_X
ClientSampled :
ICVVX021319

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.9	50.4	75.6

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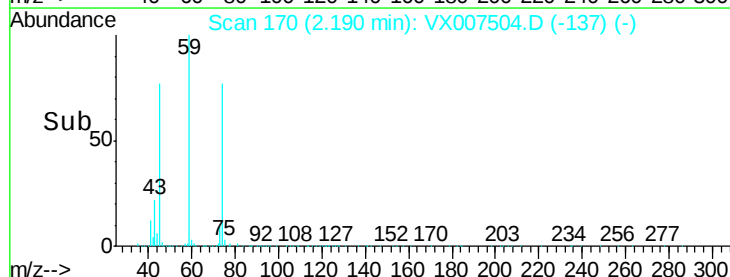
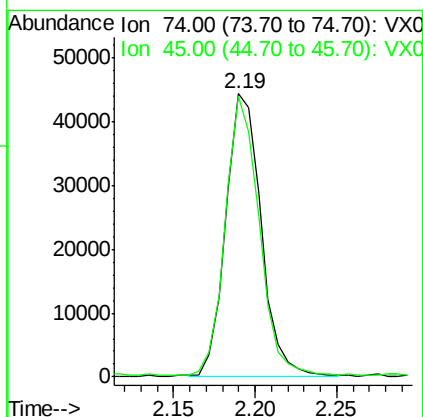
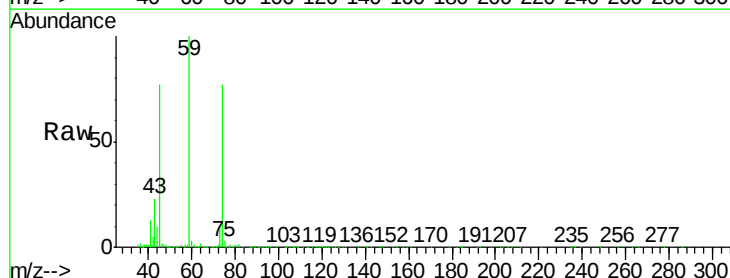
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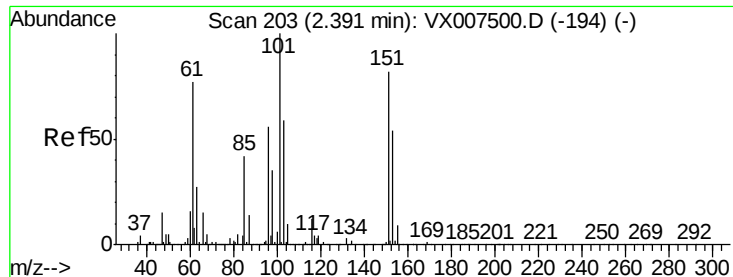


#8

Diethyl Ether
Concen: 21.264 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX007504.D
Acq: 13 Feb 2019 00:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.2	18.6	167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.751 ug/l

RT: 2.39 min Scan# 203

Delta R.T. -0.00 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

Instrument :

MSVOA_X

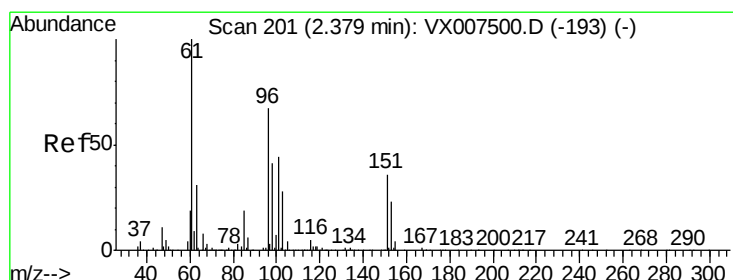
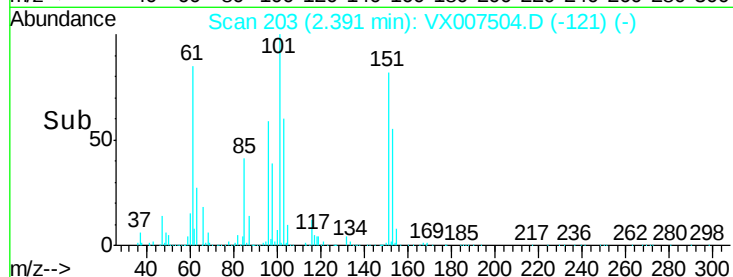
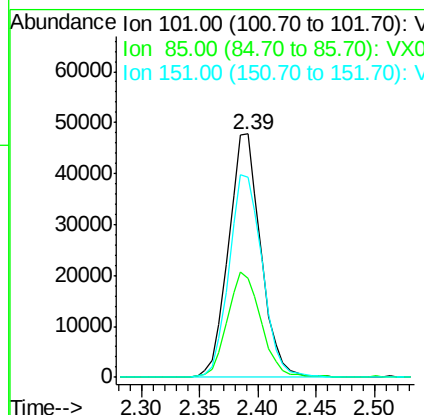
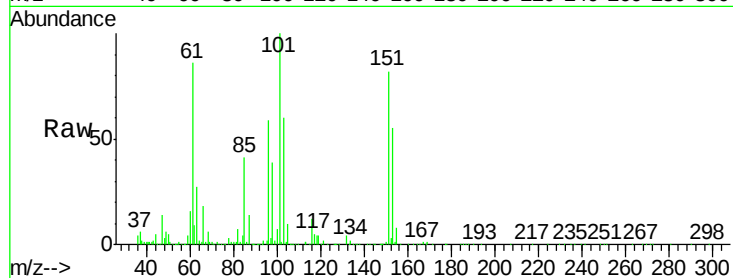
ClientSampleId :

ICVVX021319

Tot Ion:	101	Resp:	92104
Ion Ratio	Lower	Upper	
101	100		
85	44.9	0.0	86.8
151	85.8	0.0	169.2

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#10

1,1-Dichloroethene

Concen: 21.172 ug/l

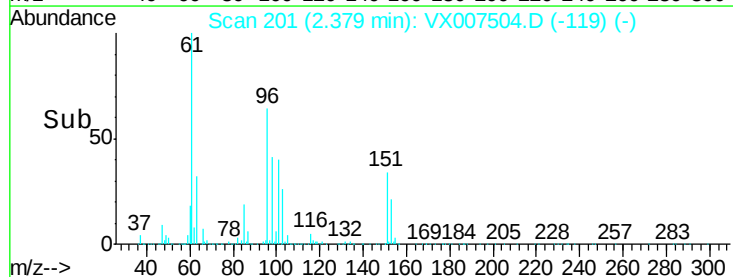
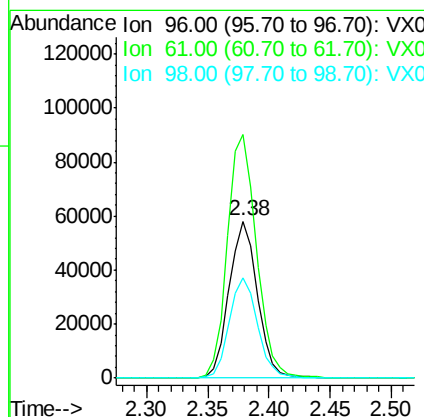
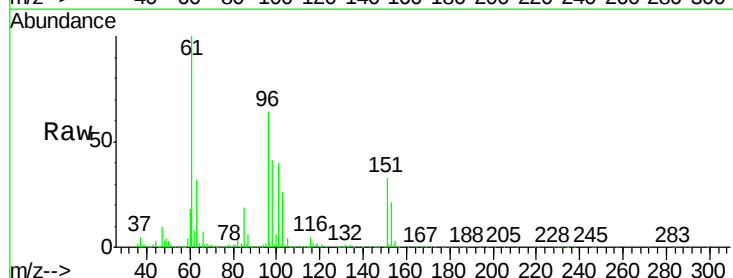
RT: 2.38 min Scan# 201

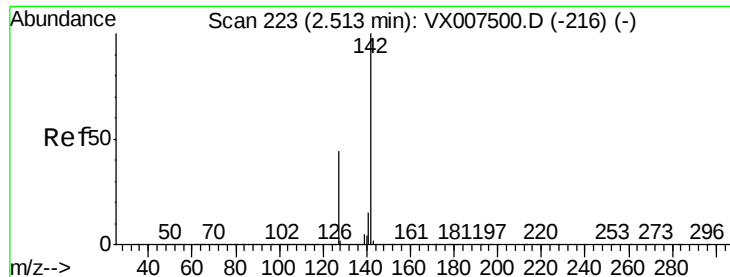
Delta R.T. -0.00 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

Tgt Ion:	96	Resp:	93247
Ion Ratio	Lower	Upper	
96	100		
61	155.0	120.2	180.2
98	64.0	49.0	73.4





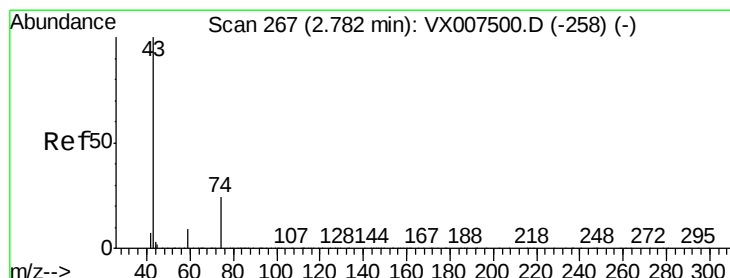
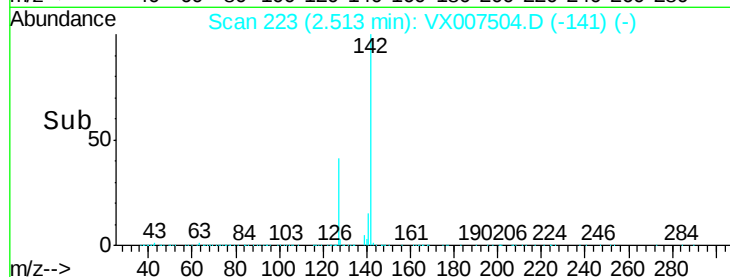
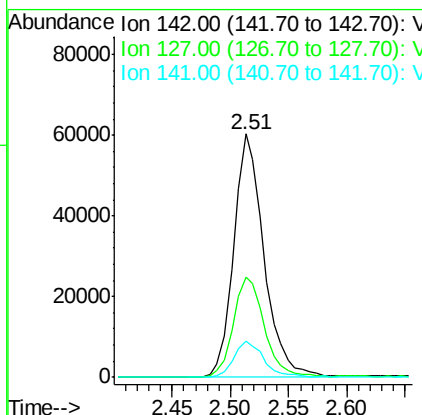
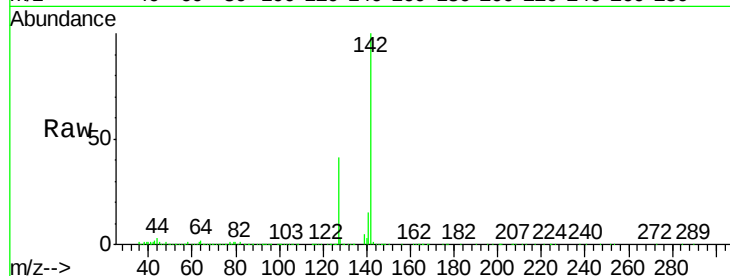
#11
Methvl Iodide
Concen: 17.314 ug/l
RT: 2.51 min Scan# 223
Delta R.T. -0.00 min
Lab File: VX007504.D
Acq: 13 Feb 2019 00:49

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021319

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.7	22.1	66.5
141	14.5	7.4	22.3

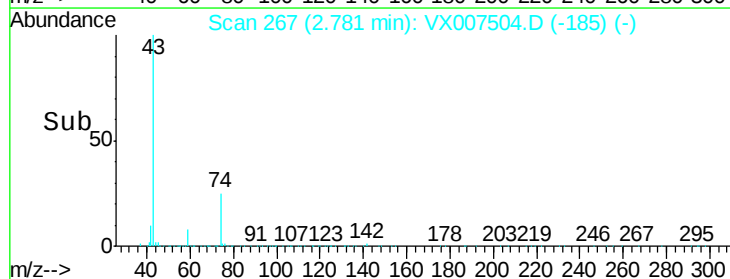
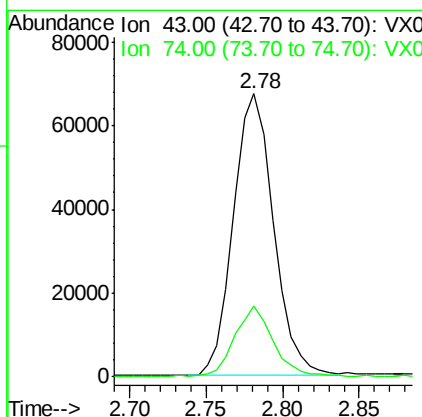
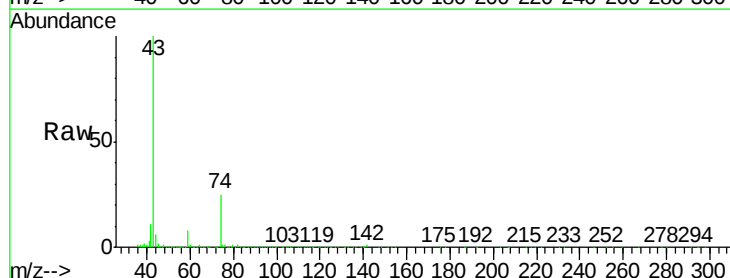
Manual Integrations
APPROVED

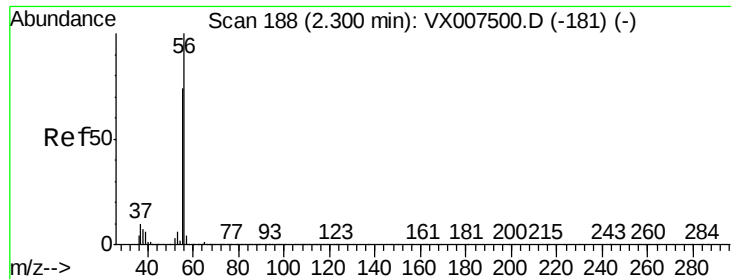
MMDadoda
2/13/2019 11:52:59 AM



#12
Methyl Acetate
Concen: 20.181 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX007504.D
Acq: 13 Feb 2019 00:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	19.4	29.0





#13

Acrolein

Concen: 104.570 ug/l

RT: 2.30 min Scan# 188

Delta R.T. -0.00 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

Instrument :

MSVOA_X

ClientSampleId :

ICVVX021319

Tot Ion: 56 Resp: 110793

Ion Ratio Lower Upper

56 100

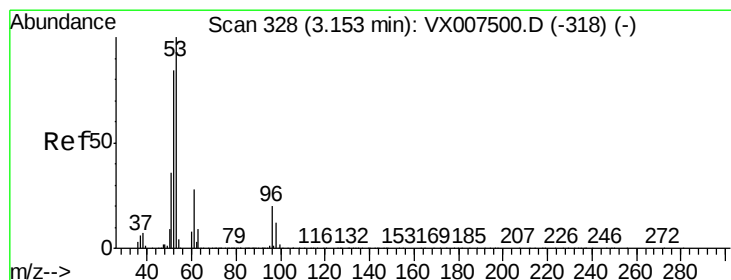
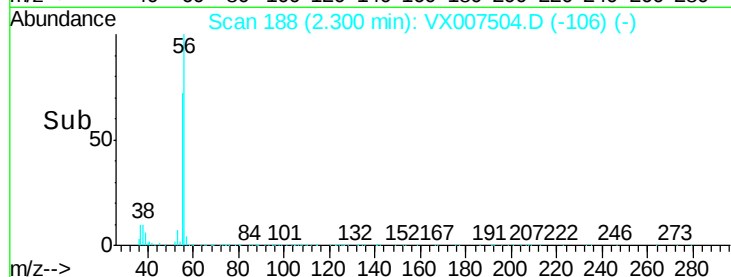
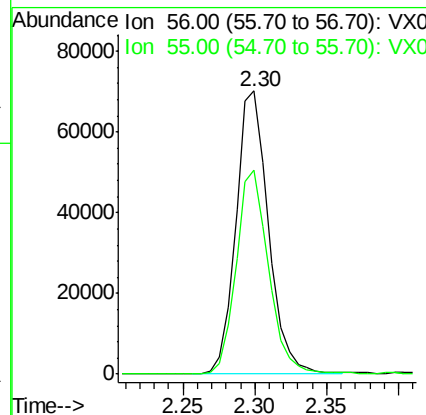
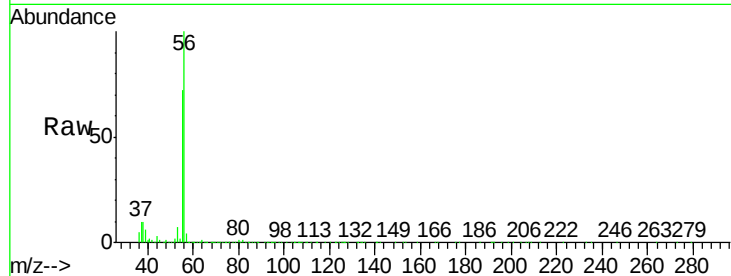
55 72.3 58.6 87.8

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#14

Acrylonitrile

Concen: 106.642 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

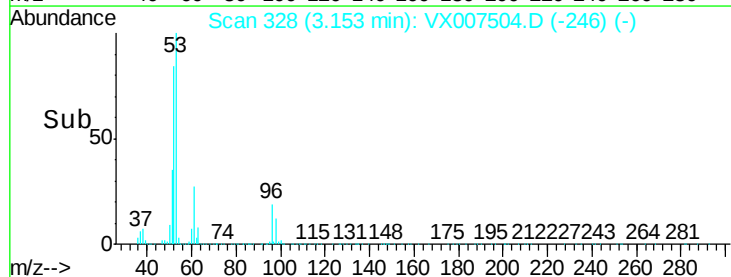
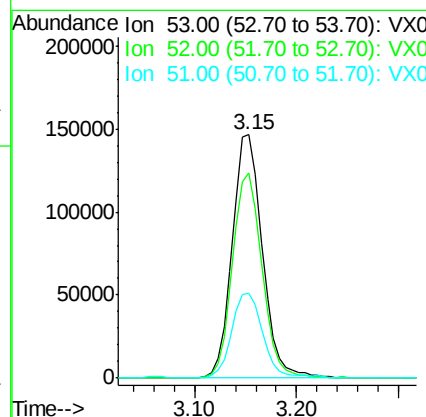
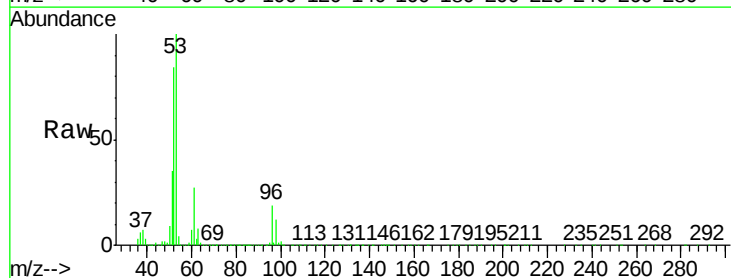
Tgt Ion: 53 Resp: 298449

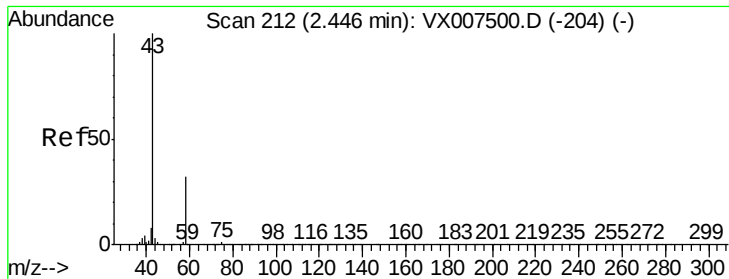
Ion Ratio Lower Upper

53 100

52 83.0 41.3 124.1

51 35.6 17.5 52.6





#15

Acetone

Concen: 105.859 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

Instrument :

MSVOA_X

ClientSampleId :

ICVVX021319

Tot Ion: 58 Resp: 80401

Ion Ratio Lower Upper

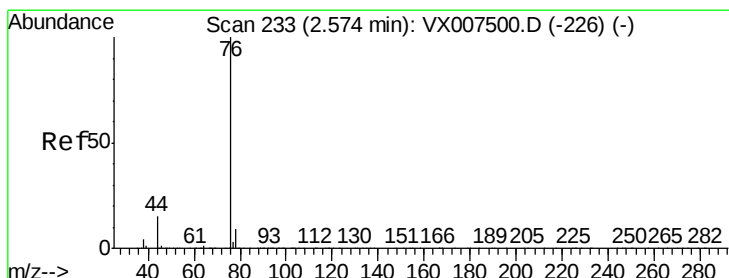
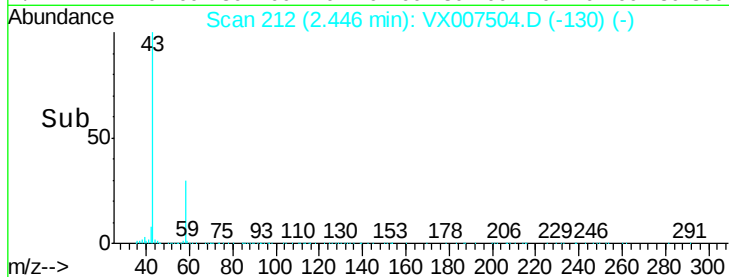
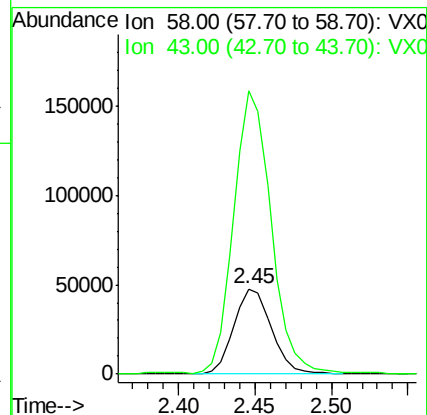
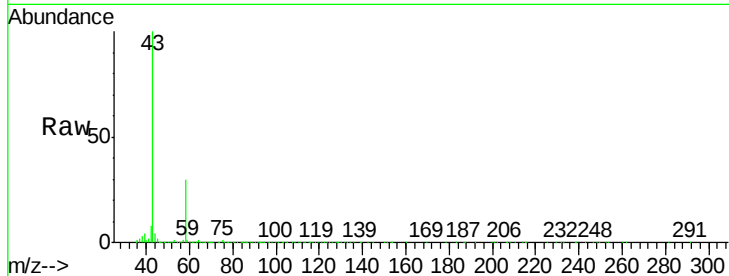
58 100

43 332.5 249.8 374.6

Manual Integrations
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#16

Carbon Disulfide

Concen: 22.328 ug/l

RT: 2.57 min Scan# 233

Delta R.T. -0.00 min

Lab File: VX007504.D

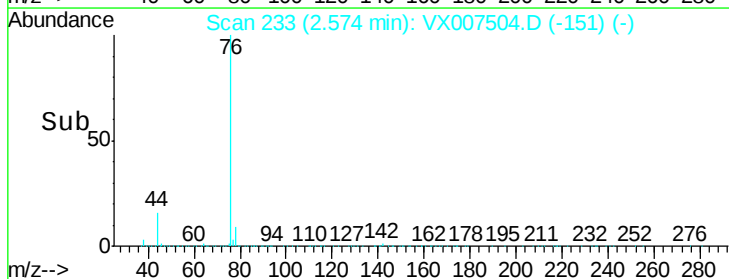
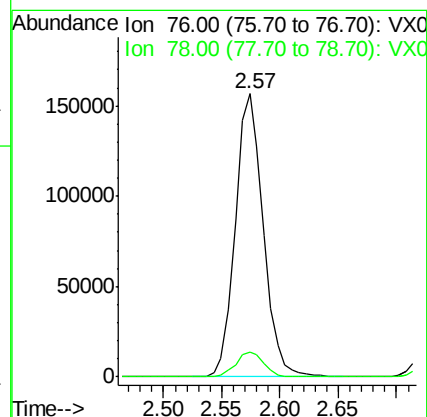
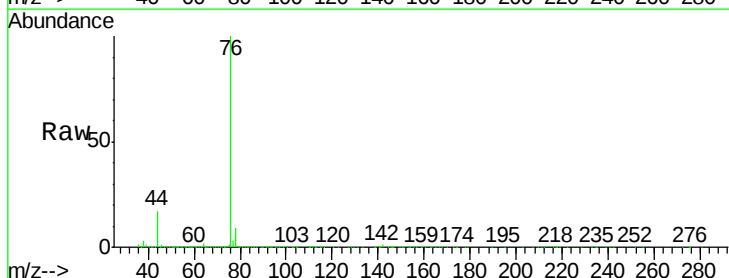
Acq: 13 Feb 2019 00:49

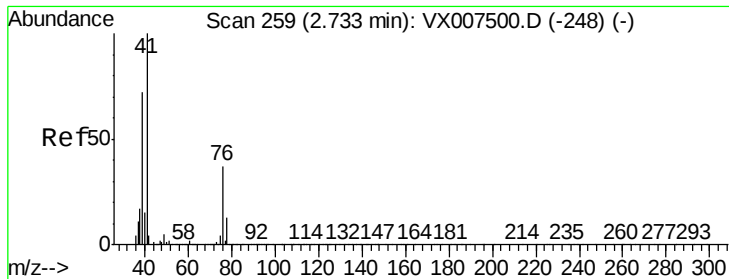
Tgt Ion: 76 Resp: 260777

Ion Ratio Lower Upper

76 100

78 8.7 7.5 11.3





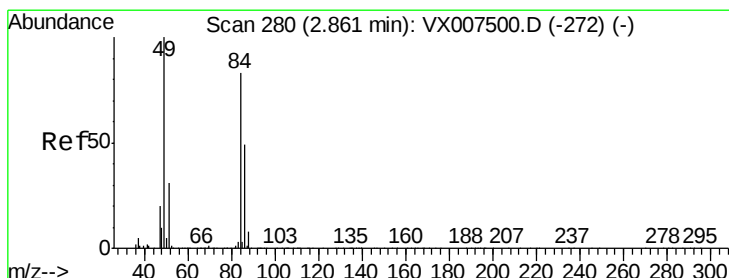
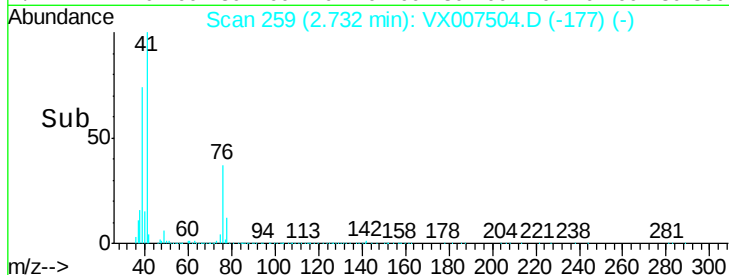
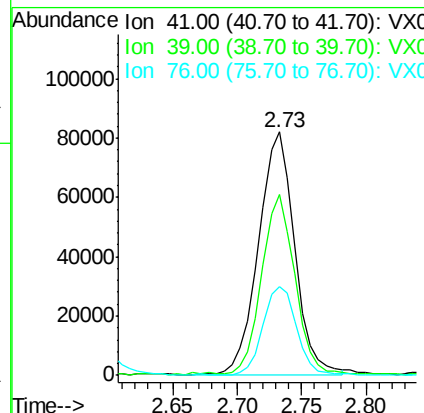
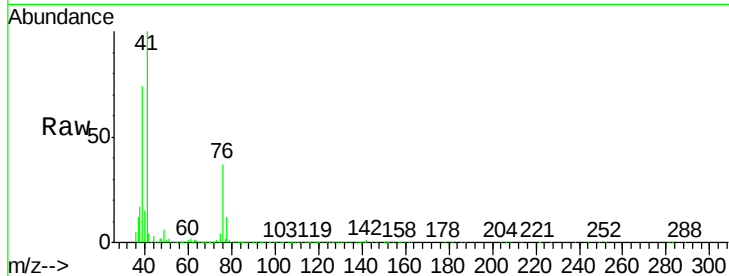
#17
Allvl chloride
Concen: 21.080 ug/l
RT: 2.73 min Scan# 259
Delta R.T. -0.00 min
Lab File: VX007504.D
Acq: 13 Feb 2019 00:49

Instrument :
MSVOA_X
ClientSampled :
ICVVX021319

Tot Ion:	41	Resp:	159071
Ion Ratio	Lower	Upper	
41	100		
39	73.3	35.8	107.4
76	36.6	18.3	54.9

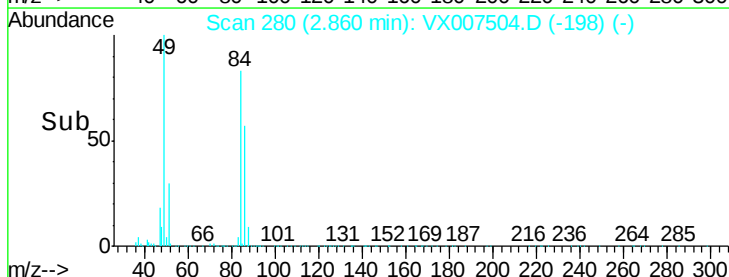
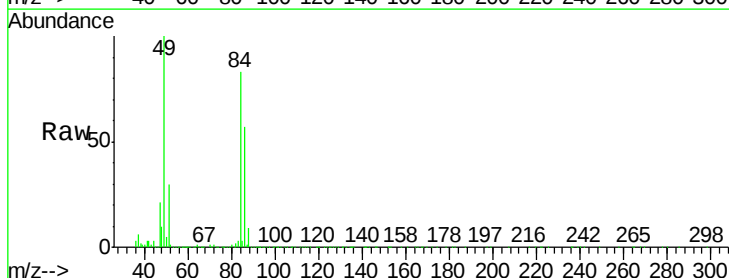
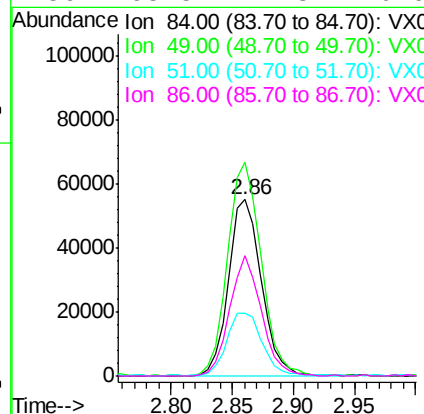
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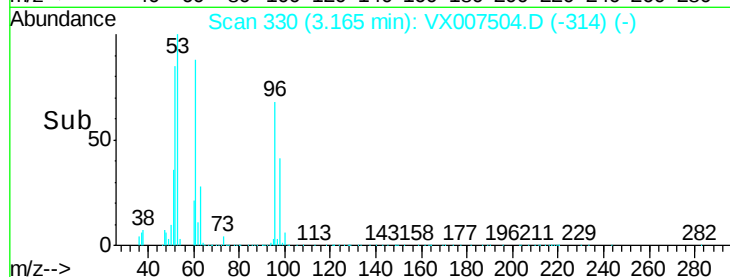
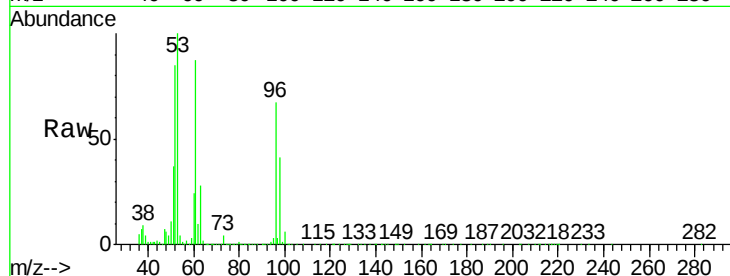
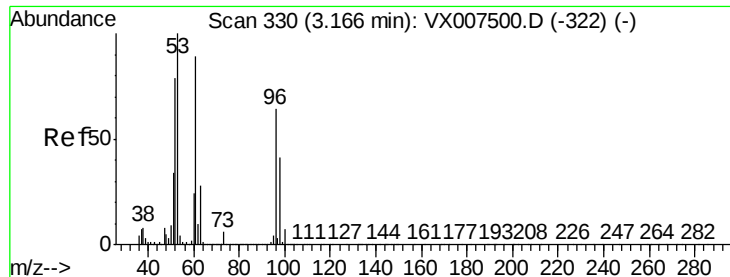
MMDadoda
2/13/2019 11:52:59 AM



#18
Methylene Chloride
Concen: 20.686 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX007504.D
Acq: 13 Feb 2019 00:49

Tgt Ion:	84	Resp:	102455
Ion Ratio	Lower	Upper	
84	100		
49	121.0	96.1	144.1
51	35.5	29.1	43.7
86	68.5	47.3	70.9





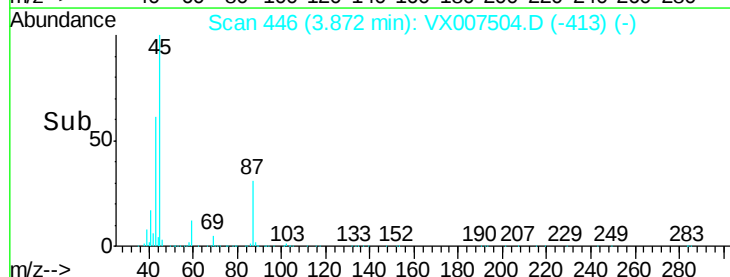
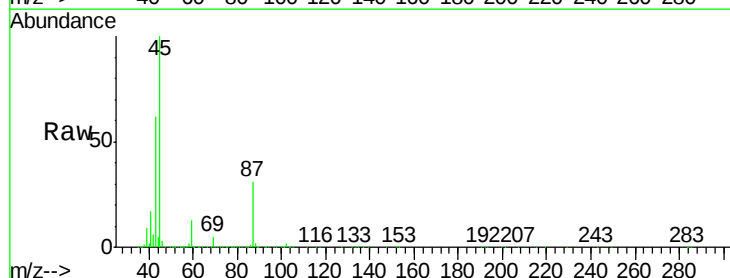
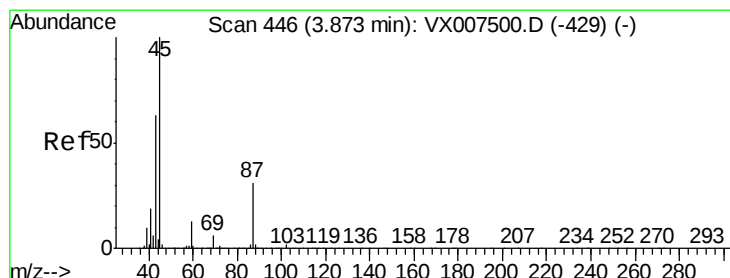
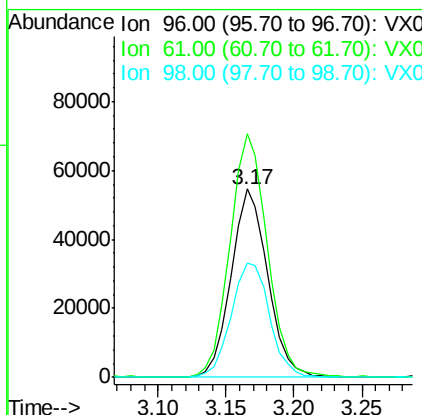
#19
trans-1,2-Dichloroethene
Concen: 21.804 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX007504.D
Acq: 13 Feb 2019 00:49

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.4	109.9	164.9
98	60.4	50.4	75.6

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021319

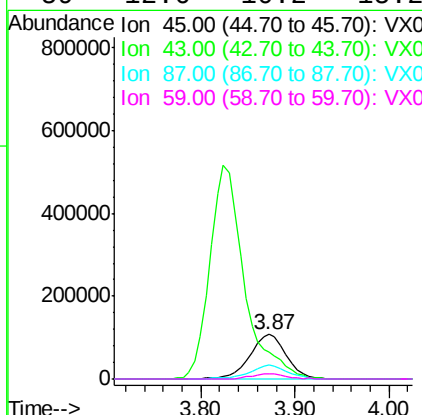
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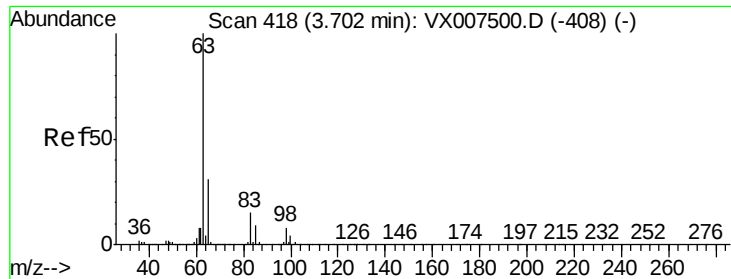
MMDadoda
2/13/2019 11:52:59 AM



#20
Diisopropyl ether
Concen: 20.674 ug/l
RT: 3.87 min Scan# 446
Delta R.T. -0.00 min
Lab File: VX007504.D
Acq: 13 Feb 2019 00:49

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.4	50.6	76.0
87	30.8	24.5	36.7
59	12.6	10.2	15.2





#21

1,1-Dichloroethane

Concen: 20.894 ug/l

RT: 3.70 min Scan# 418

Delta R.T. -0.00 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

Instrument :

MSVOA_X

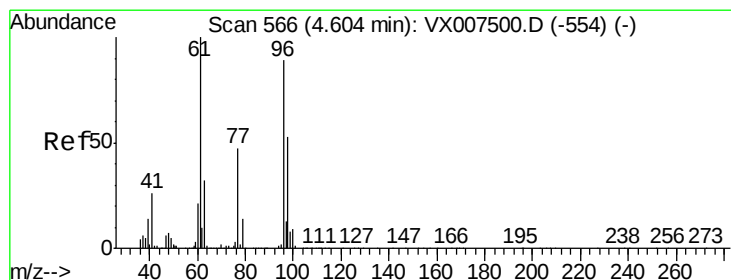
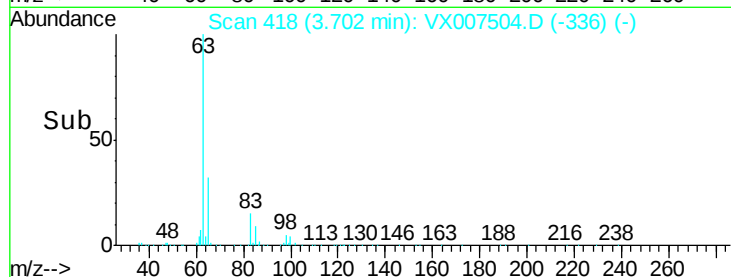
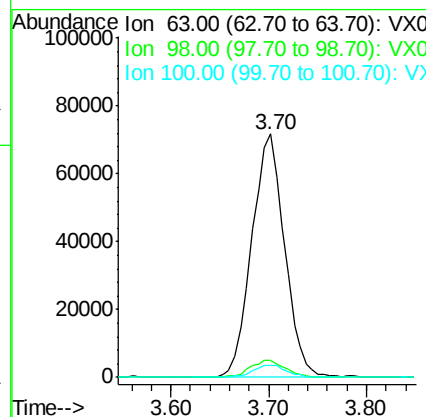
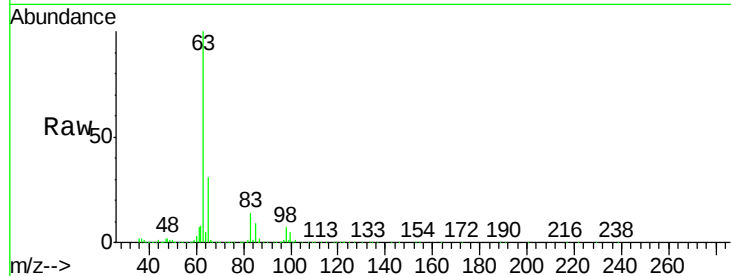
ClientSampleId :

ICVVX021319

Tot Ion:	63	Resp:	167045
Ion Ratio		Lower	Upper
63	100		
98	6.7	3.8	11.4
100	5.0	2.4	7.1

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#22

cis-1,2-Dichloroethene

Concen: 21.001 ug/l

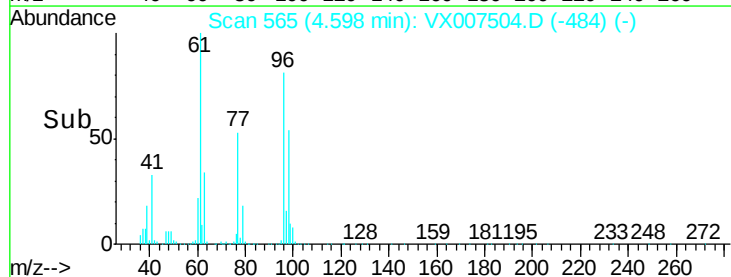
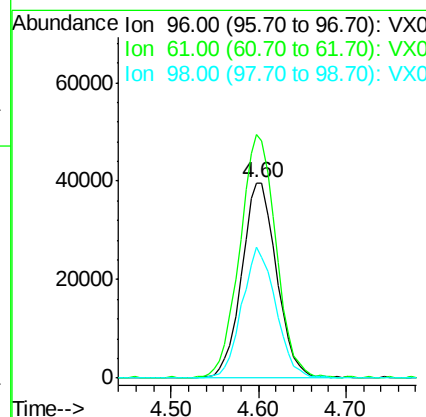
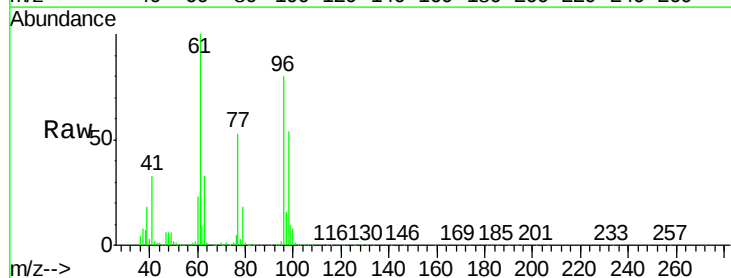
RT: 4.60 min Scan# 565

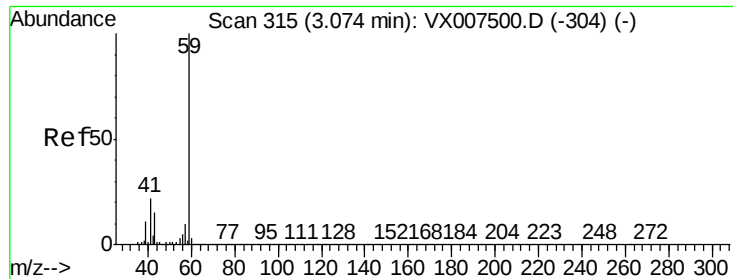
Delta R.T. -0.01 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

Tgt Ion:	96	Resp:	110097
Ion Ratio		Lower	Upper
96	100		
61	128.4	103.5	155.3
98	65.3	52.1	78.1





#23

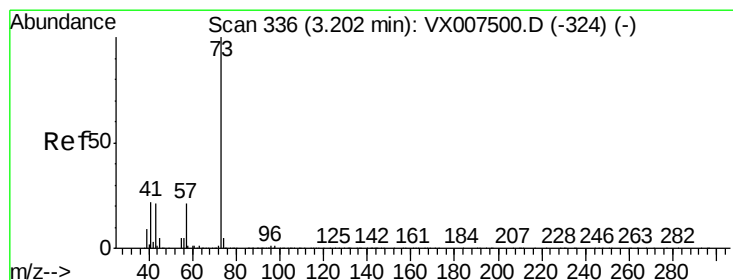
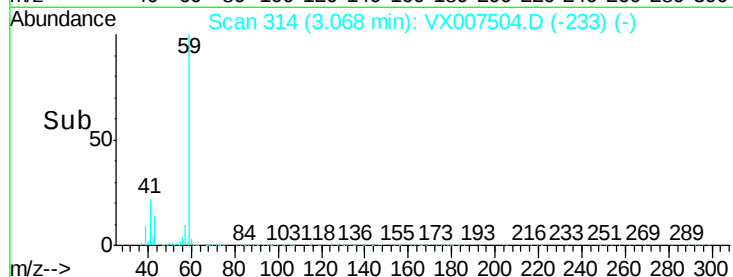
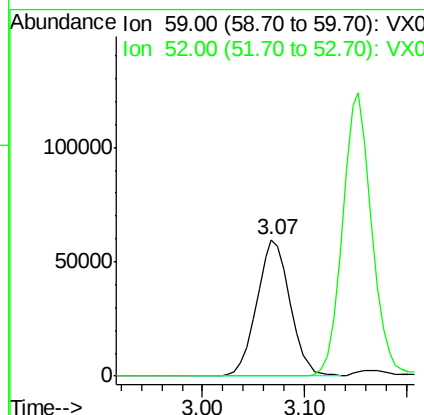
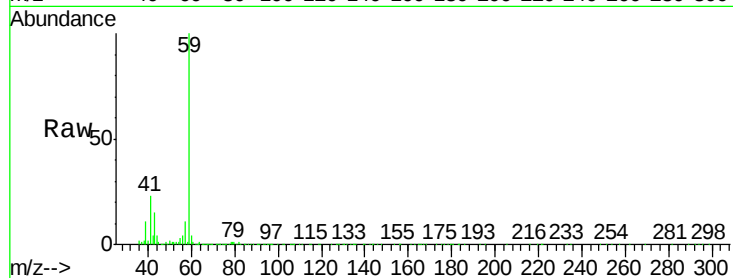
tert-Butyl Alcohol
Concen: 115.286 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX007504.D
Acq: 13 Feb 2019 00:49

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021319

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.2	0.2	0.2

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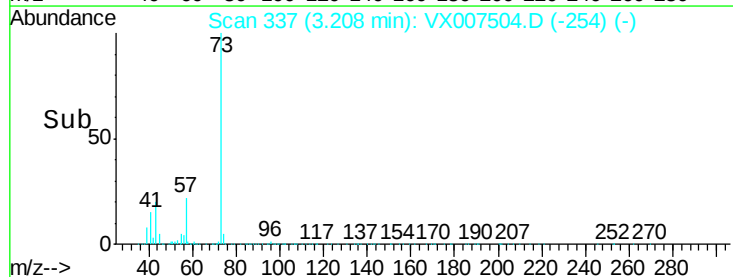
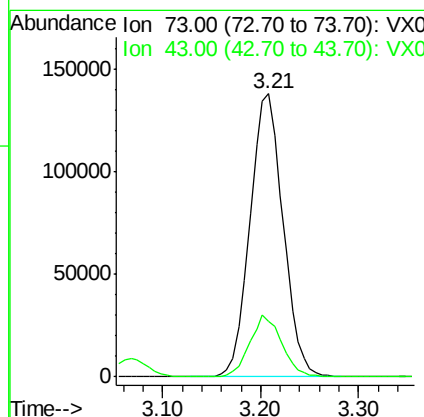
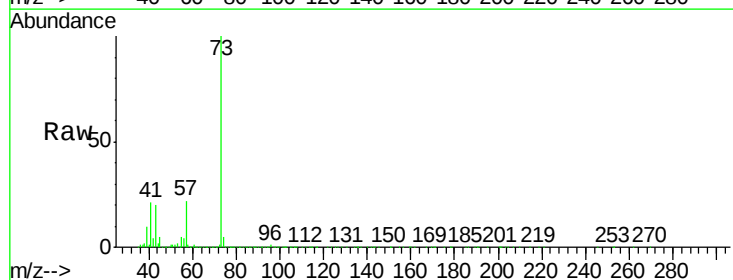
MMDadoda
2/13/2019 11:52:59 AM

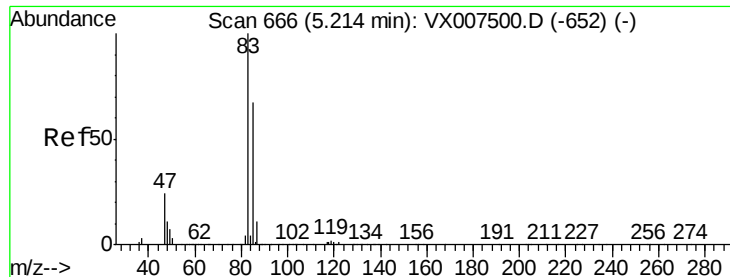


#24

Methyl tert-Butyl Ether
Concen: 21.147 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX007504.D
Acq: 13 Feb 2019 00:49

Tgt Ion	Ratio	Lower	Upper
73	100		
43	20.7	17.1	25.7





#25

Chloroform

Concen: 20.358 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

Instrument :

MSVOA_X

ClientSampleId :

ICVVX021319

Tot Ion: 83 Resp: 171899

Ion Ratio Lower Upper

83 100

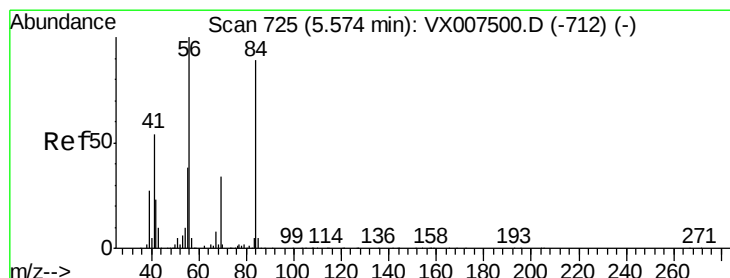
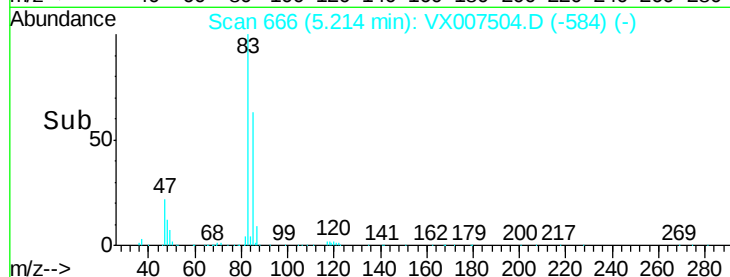
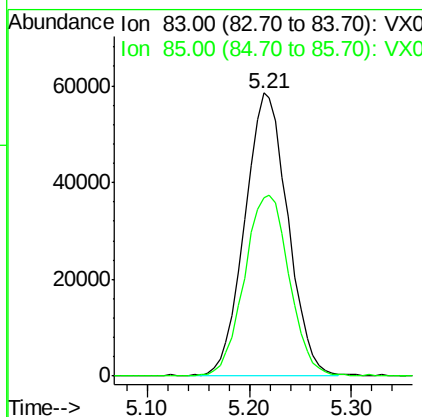
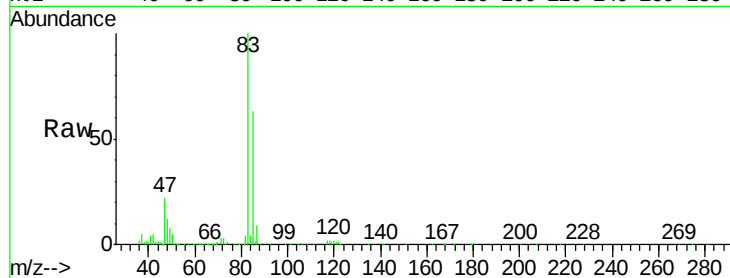
85 62.9 53.8 80.6

Manual Integrations

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#26

Cyclohexane

Concen: 20.882 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

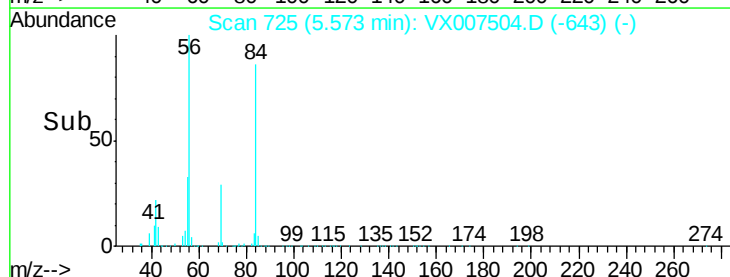
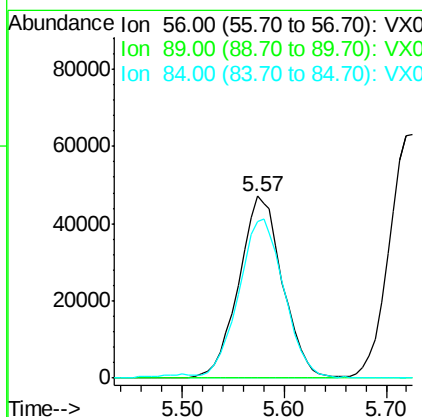
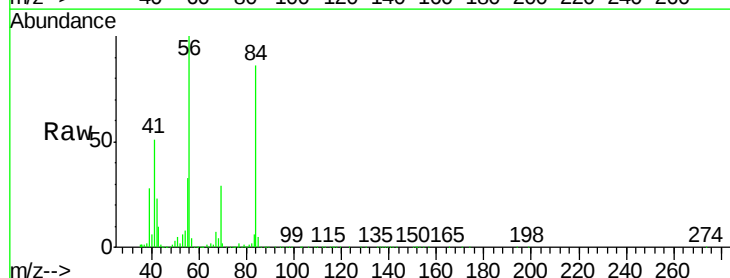
Tgt Ion: 56 Resp: 139998

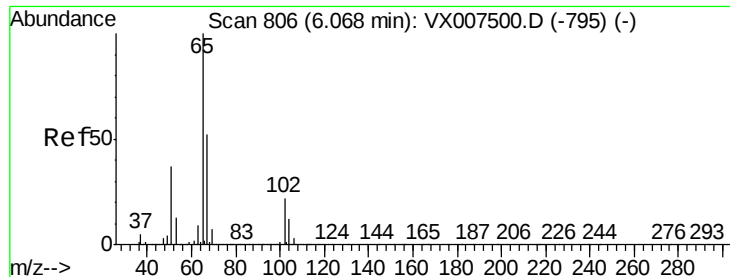
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0#

84 0.0 73.9 110.9#





#27

1,2-Dichloroethane-d4

Concen: 30.771 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

Instrument :

MSVOA_X

ClientSampleId :

ICVVX021319

Tot Ion: 65 Resp: 159573

Ion Ratio Lower Upper

65 100

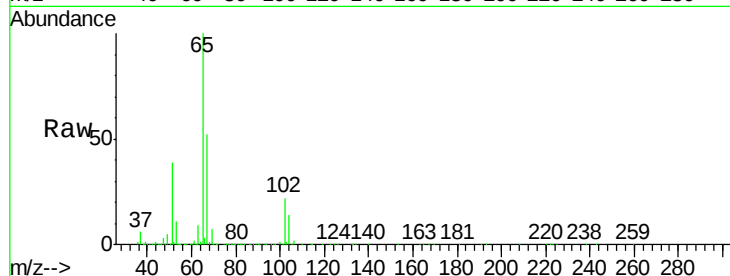
67 52.8 42.9 64.3

Manual Integrations

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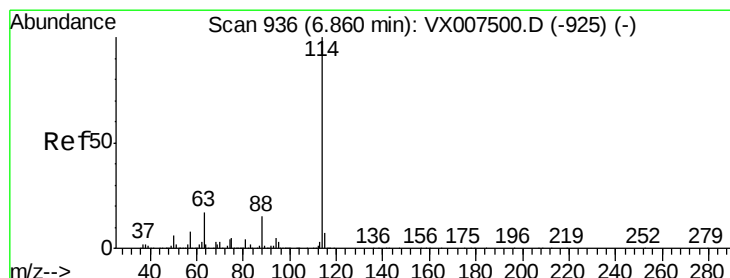
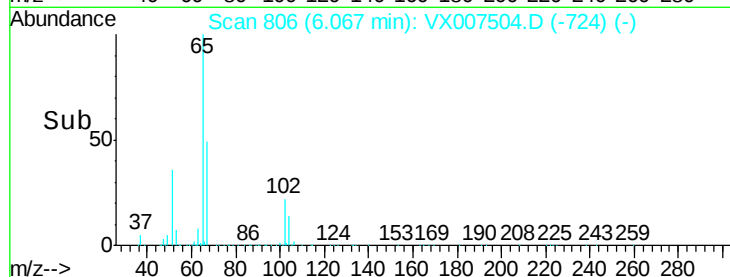
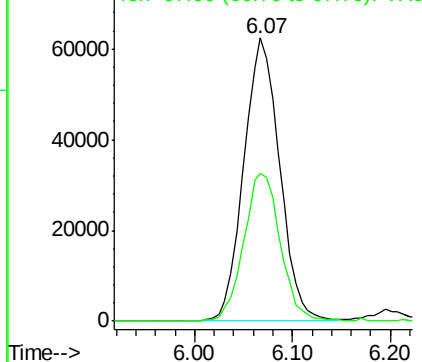
MMDadoda

2/13/2019 11:52:59 AM



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

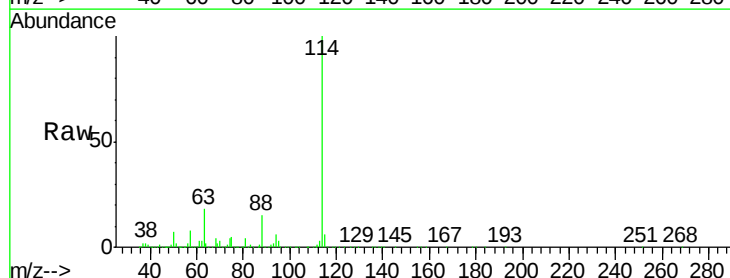
Tgt Ion: 114 Resp: 428954

Ion Ratio Lower Upper

114 100

63 18.1 14.2 21.4

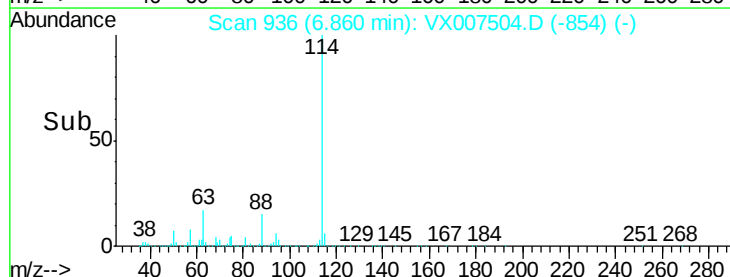
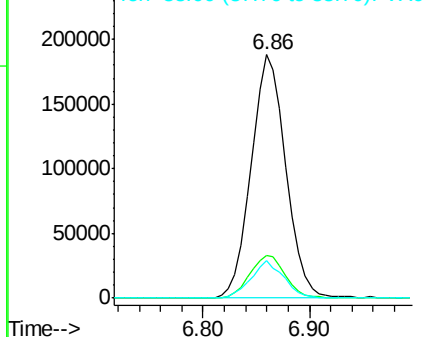
88 14.6 11.9 17.9

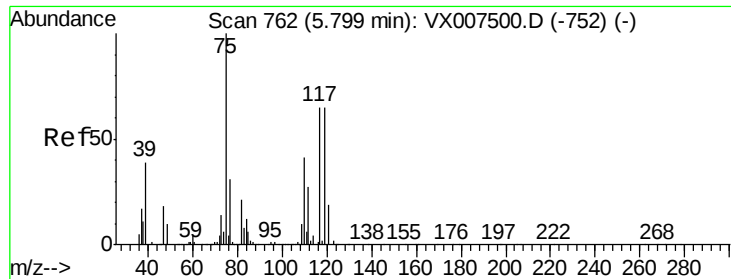


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





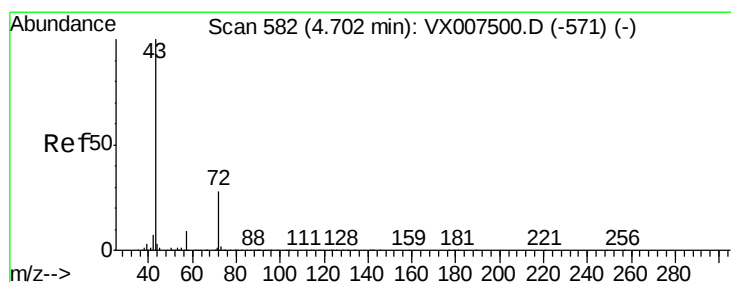
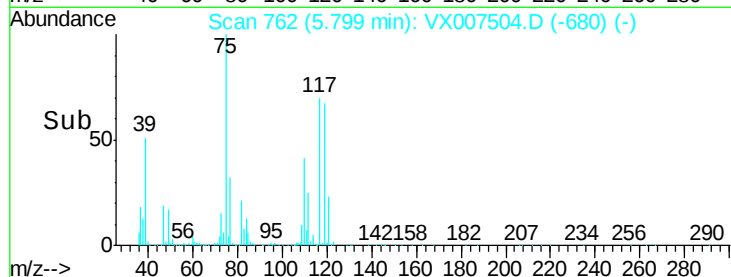
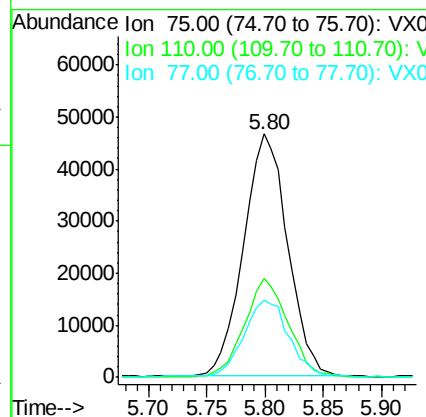
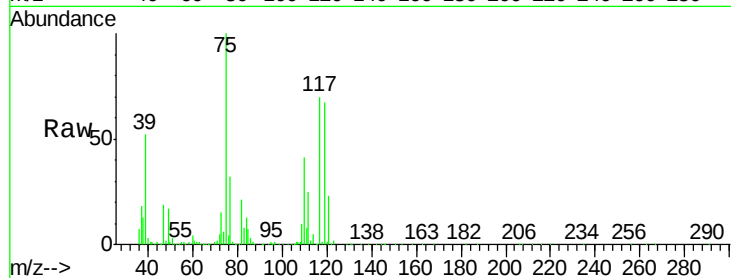
#29
 1,1-Dichloropropene
 Concen: 20.370 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX007504.D
 Acq: 13 Feb 2019 00:49

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX021319

Tot Ion	Ratio	Lower	Upper
75	100		
110	40.9	0.0	80.8
77	31.4	0.0	62.4

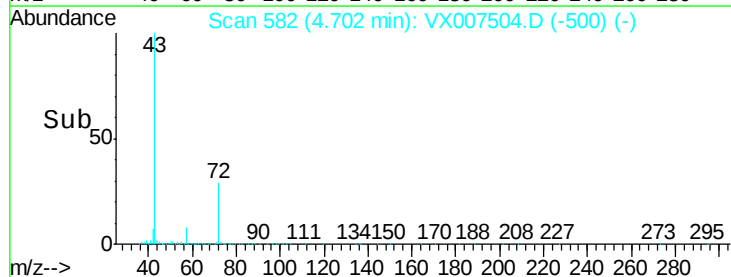
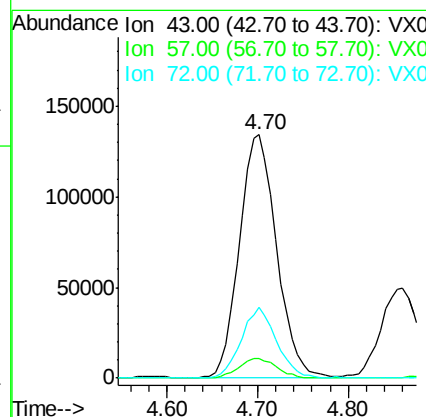
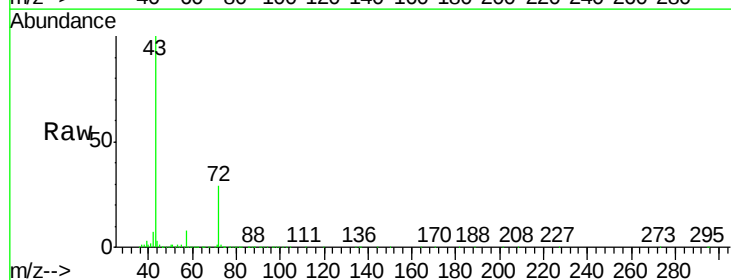
Manual Integrations
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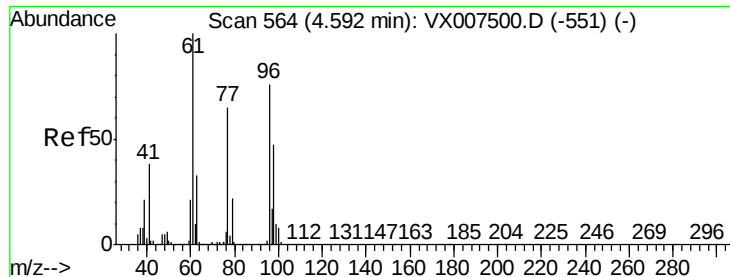
MMDadoda
 2/13/2019 11:52:59 AM



#30
 2-Butanone
 Concen: 107.625 ug/l
 RT: 4.70 min Scan# 582
 Delta R.T. -0.00 min
 Lab File: VX007504.D
 Acq: 13 Feb 2019 00:49

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.4	7.0	10.6
72	27.4	21.5	32.3





#31

2,2-Dichloropropane

Concen: 19.251 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.01 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

Instrument :

MSVOA_X

ClientSampleId :

ICVVX021319

Tot Ion: 77 Resp: 93583

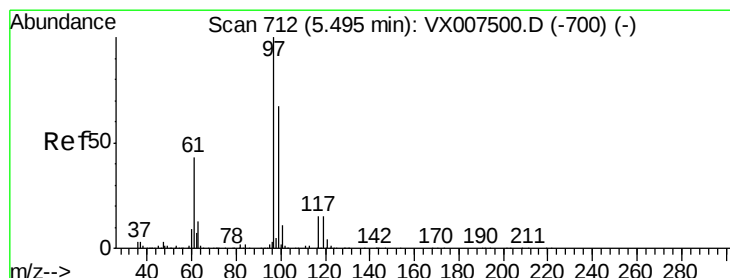
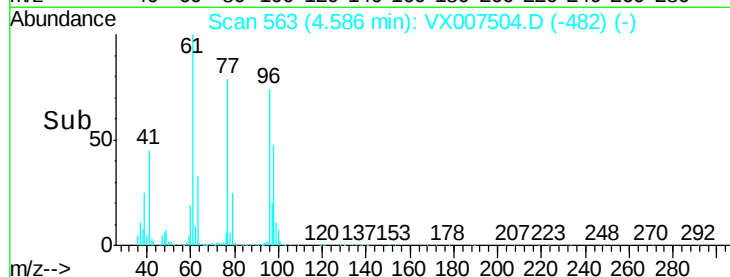
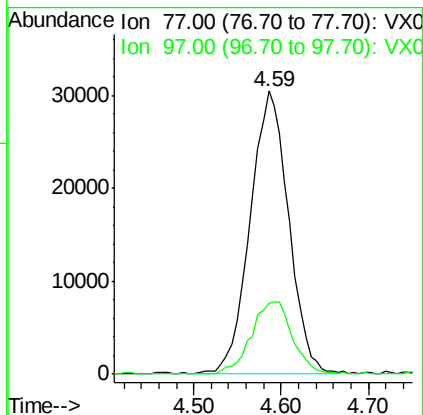
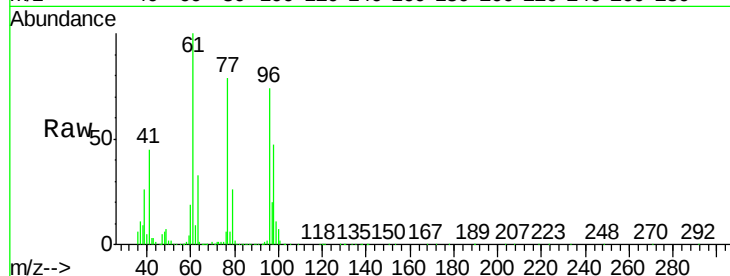
Ion Ratio Lower Upper

77 100

97 27.3 20.6 31.0

Manual Integrations
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2/13/2019 11:52:59 AM



#32

1,1,1-Trichloroethane

Concen: 20.409 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

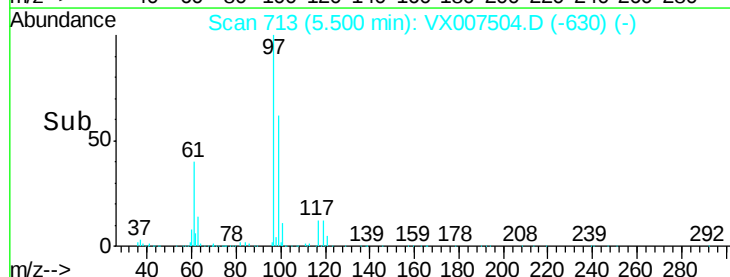
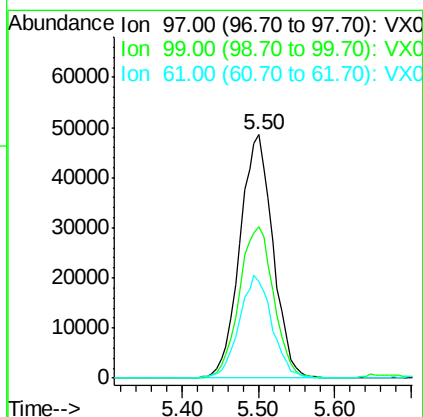
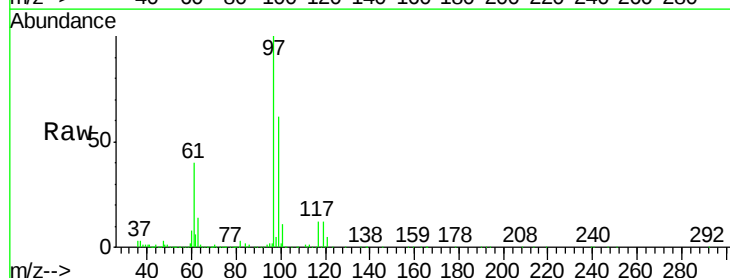
Tgt Ion: 97 Resp: 145964

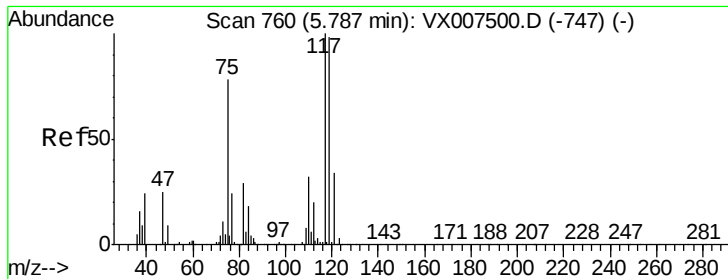
Ion Ratio Lower Upper

97 100

99 64.4 51.7 77.5

61 41.8 32.8 49.2





#33

Carbon Tetrachloride

Concen: 19.712 ug/l

RT: 5.79 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

Instrument :

MSVOA_X

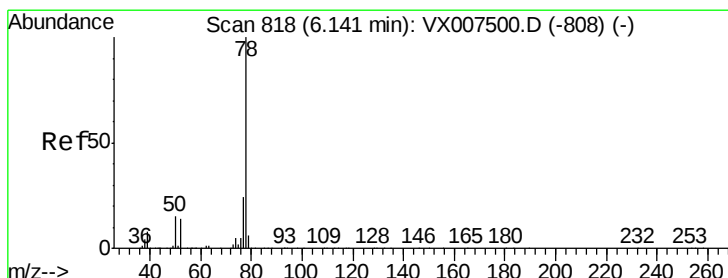
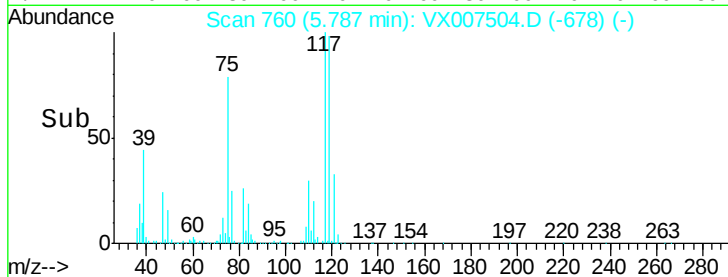
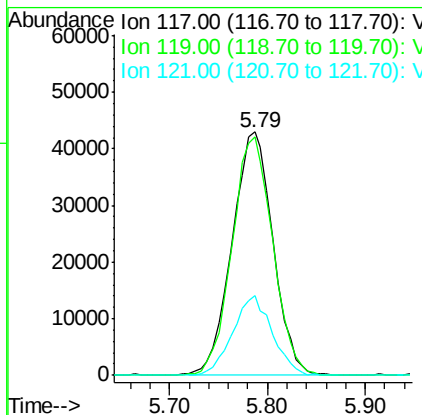
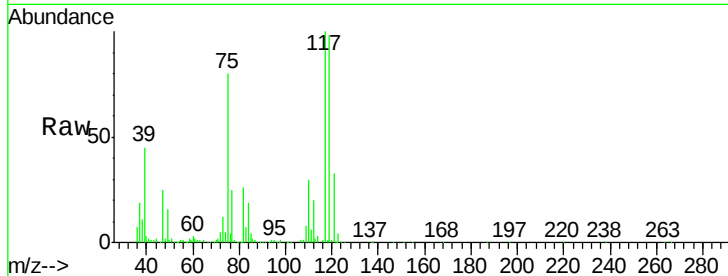
ClientSampleId :

ICVVX021319

Tot Ion:	117	Resp:	124624
Ion Ratio	Lower	Upper	
117	100		
119	98.0	78.1	117.1
121	33.2	27.0	40.6

Manual Integrations
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#34

Benzene

Concen: 20.659 ug/l

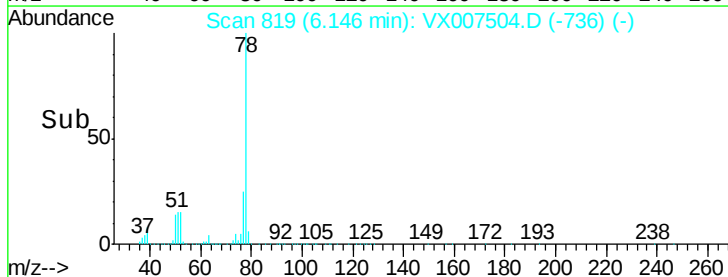
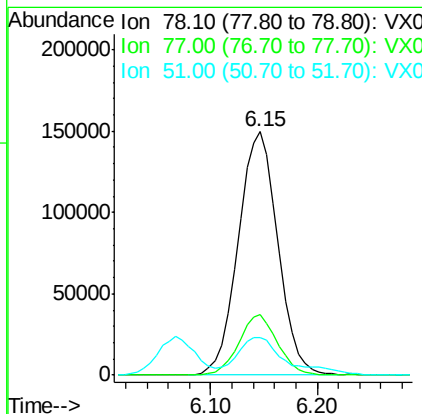
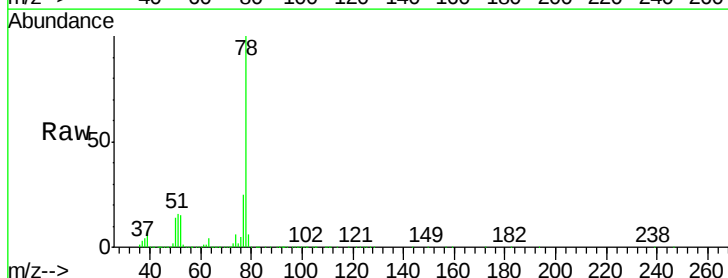
RT: 6.15 min Scan# 819

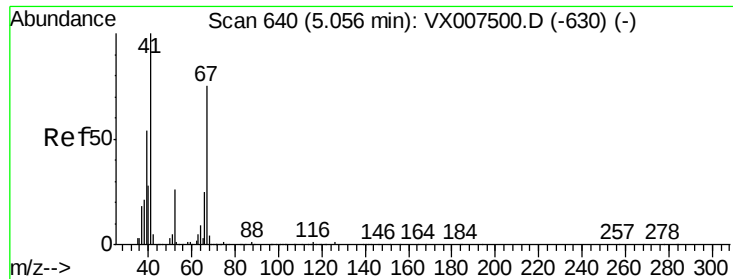
Delta R.T. 0.01 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

Tgt Ion:	78	Resp:	389688
Ion Ratio	Lower	Upper	
78	100		
77	24.5	19.1	28.7
51	13.9	10.8	16.2





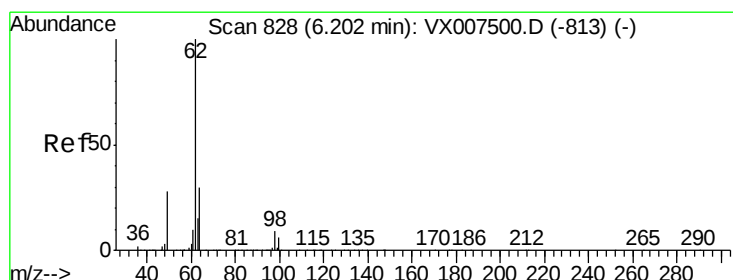
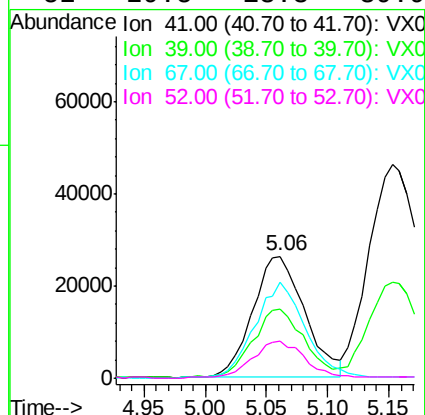
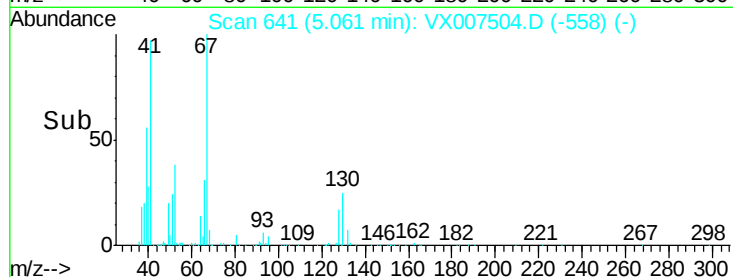
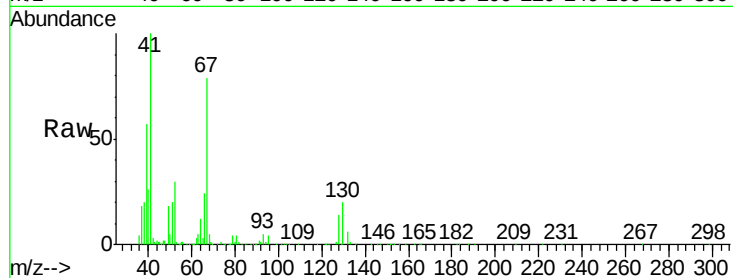
#35
Methacrylonitrile
Concen: 21.111 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX007504.D
Acq: 13 Feb 2019 00:49

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021319

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.8	27.4	82.0	
67	78.1	37.9	113.6	
52	29.5	13.3	39.9	

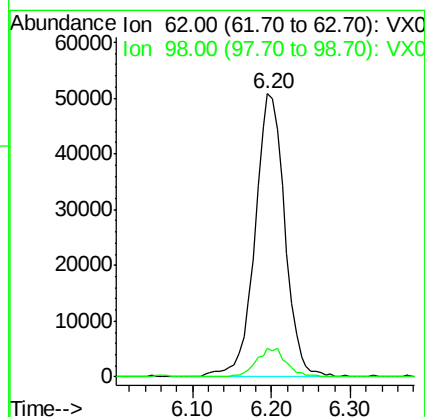
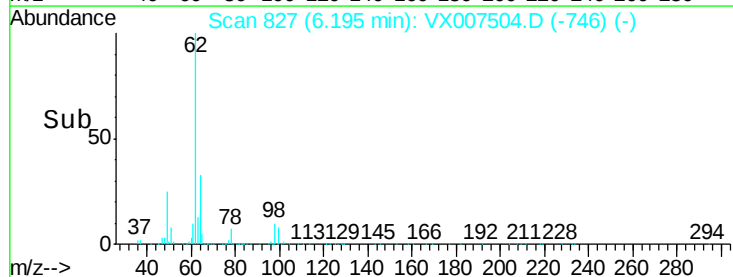
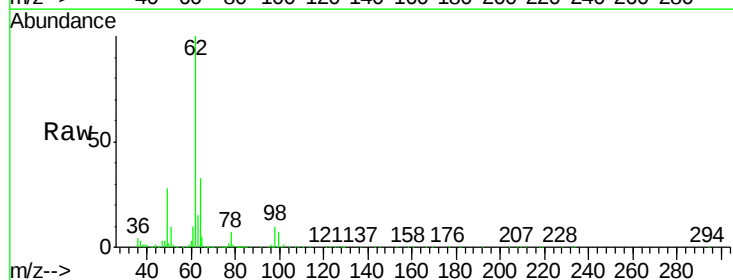
Manual Integrations
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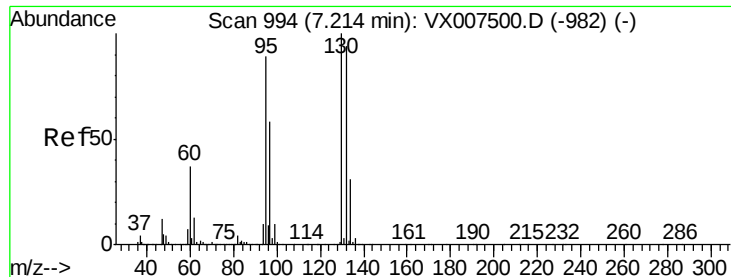
MMDadoda
2/13/2019 11:52:59 AM



#36
1,2-Dichloroethane
Concen: 20.745 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.01 min
Lab File: VX007504.D
Acq: 13 Feb 2019 00:49

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	7.8	11.8	





#37

Trichloroethene

Concen: 20.879 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

Instrument :

MSVOA_X

ClientSampleId :

ICVVX021319

Tot Ion:130 Resp: 113229

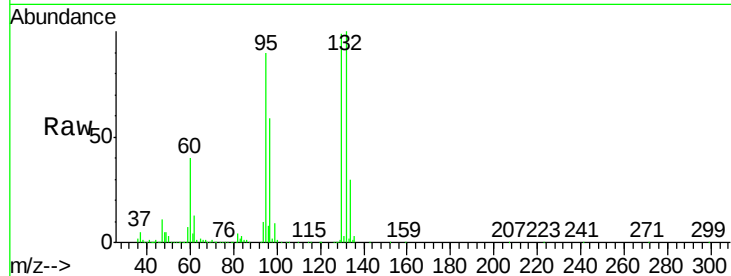
Ion Ratio Lower Upper

130 100

95 91.1 71.3 106.9

Manual Integrations
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2/13/2019 11:52:59 AM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

60000

50000

40000

30000

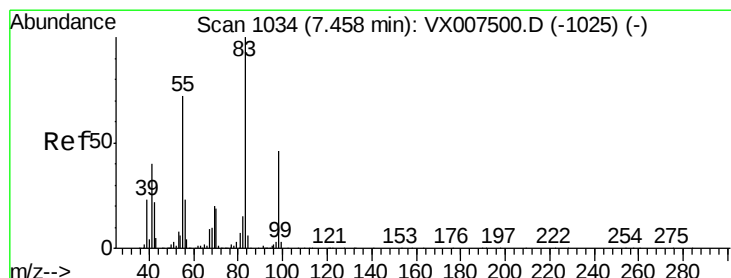
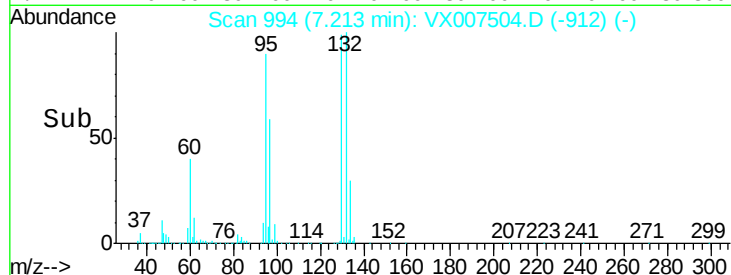
20000

10000

0

7.10 7.20 7.30

Time-->



#38

Methylcyclohexane

Concen: 20.018 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.01 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

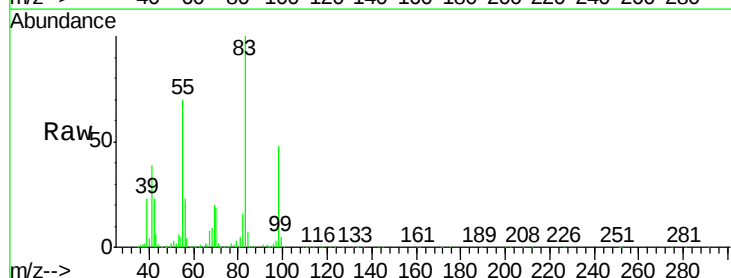
Tgt Ion: 83 Resp: 138655

Ion Ratio Lower Upper

83 100

55 72.0 36.0 108.0

98 49.0 23.8 71.4



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

80000

60000

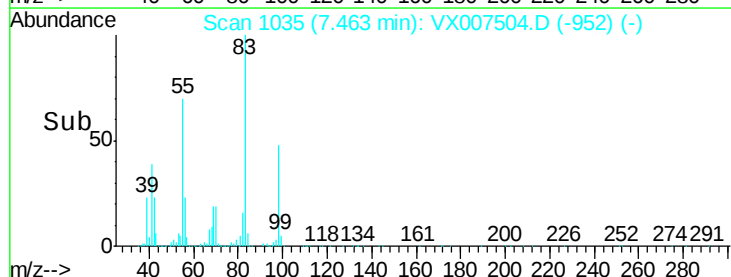
40000

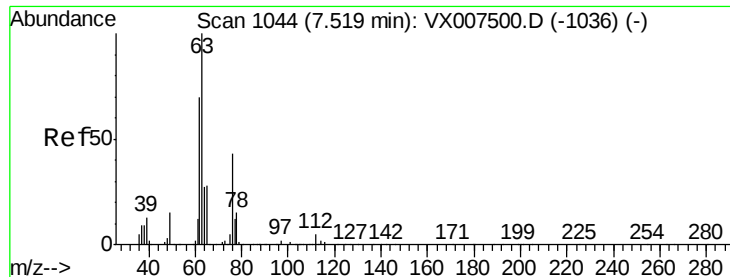
20000

0

7.35 7.40 7.45 7.50 7.55

Time-->





#39

1,2-Dichloropropane

Concen: 20.724 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

Instrument :

MSVOA_X

ClientSampleId :

ICVVX021319

Tot Ion: 63 Resp: 97232

Ion Ratio Lower Upper

63 100

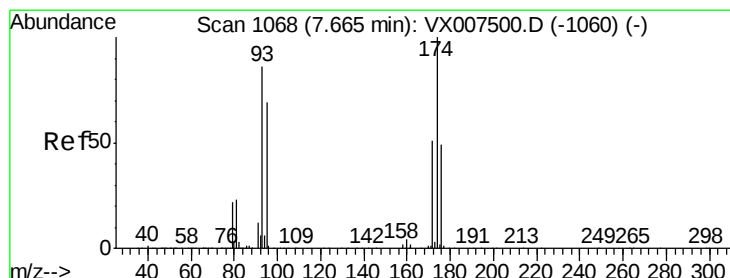
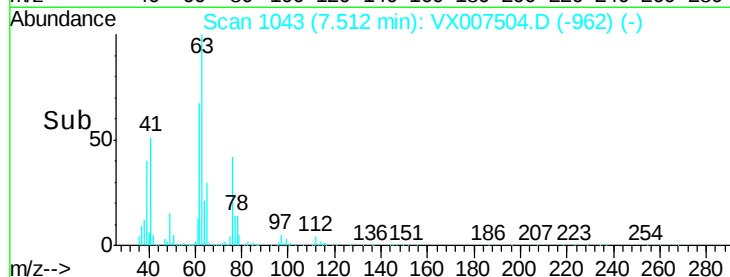
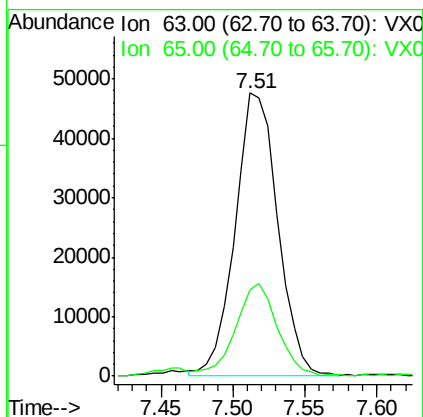
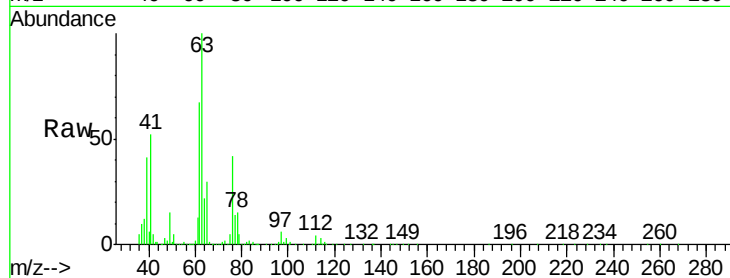
65 29.8 24.6 37.0

Manual Integrations

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2/13/2019 11:52:59 AM



#40

Dibromomethane

Concen: 20.510 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

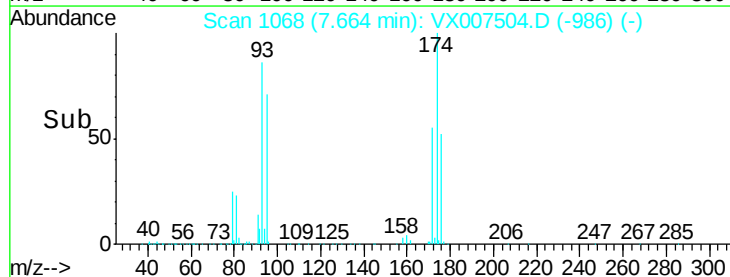
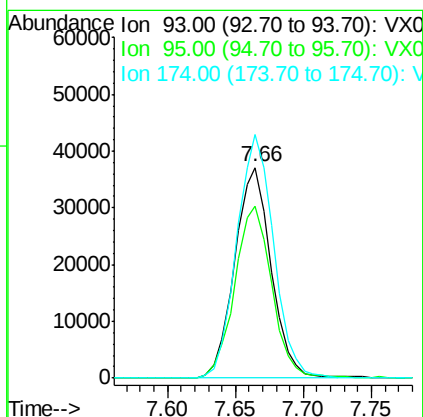
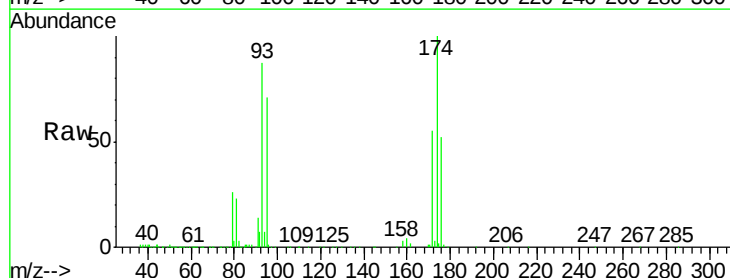
Tgt Ion: 93 Resp: 69497

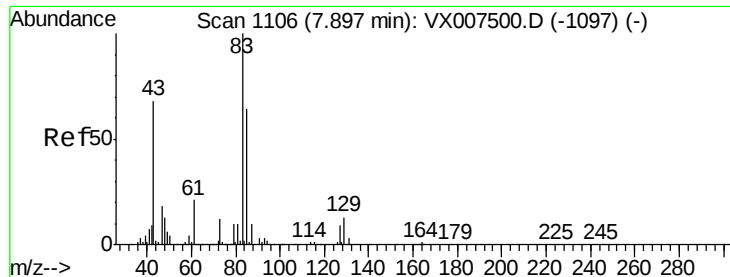
Ion Ratio Lower Upper

93 100

95 83.2 0.0 158.8

174 117.2 0.0 224.2





#41

Bromodichloromethane

Concen: 19.583 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

Instrument :

MSVOA_X

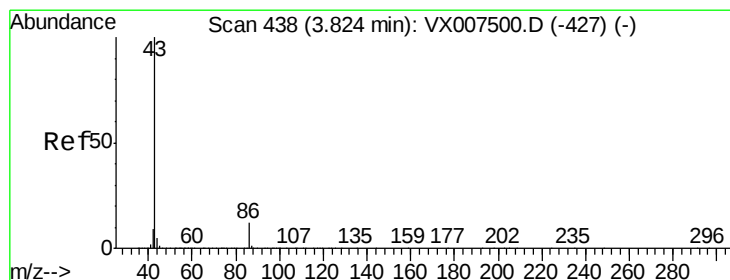
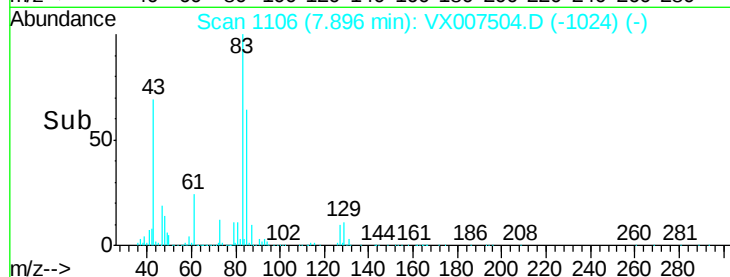
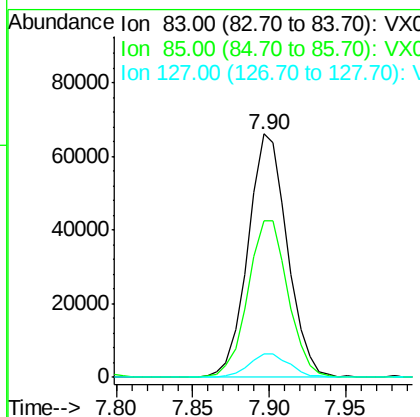
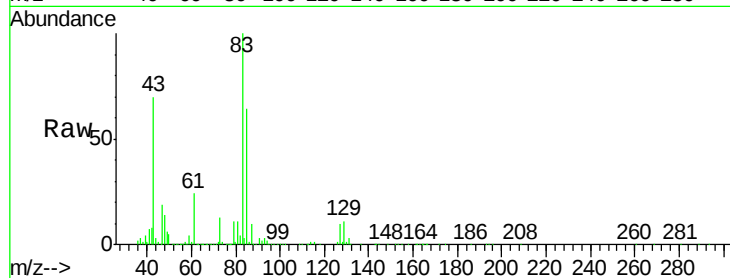
ClientSampleId :

ICVVX021319

Tot Ion:	83	Resp:	117761
Ion Ratio	Lower	Upper	
83	100		
85	64.2	51.1	76.7
127	9.9	7.2	10.8

Manual Integrations
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2/13/2019 11:52:59 AM



#42

Vinyl Acetate

Concen: 106.148 ug/l

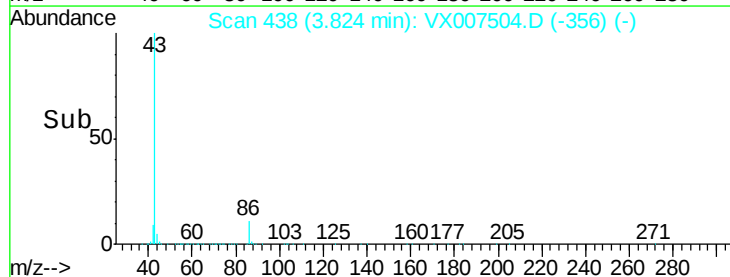
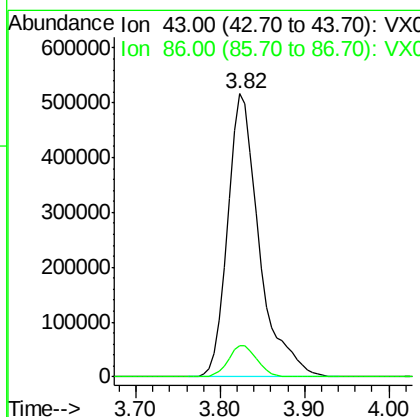
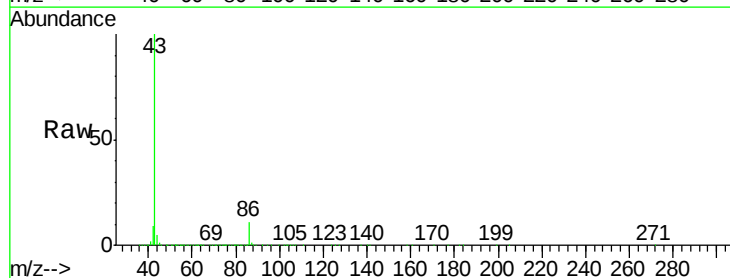
RT: 3.82 min Scan# 438

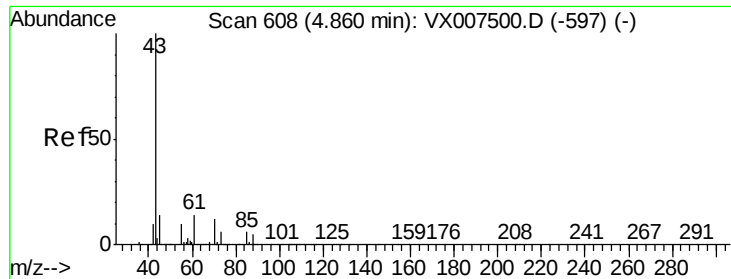
Delta R.T. -0.00 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

Tgt Ion:	43	Resp:	1315632
Ion Ratio	Lower	Upper	
43	100		
86	10.1	8.2	12.2





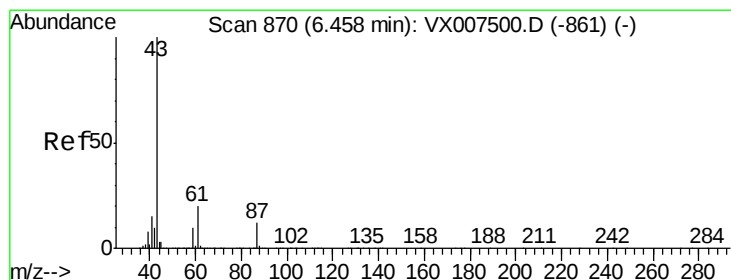
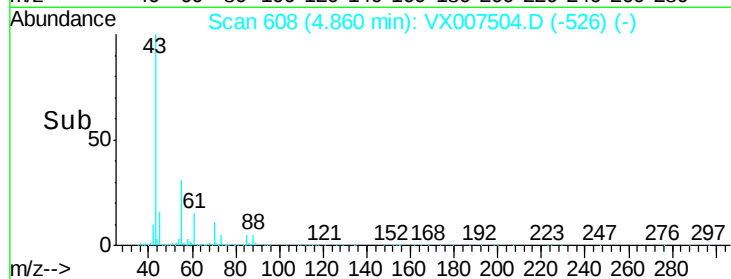
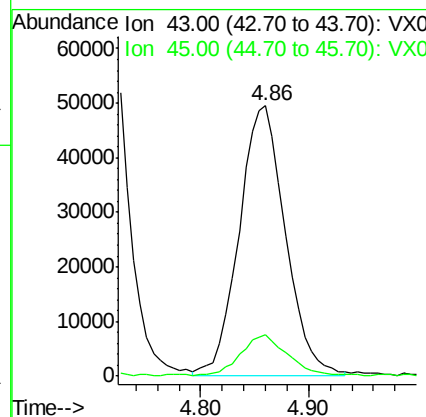
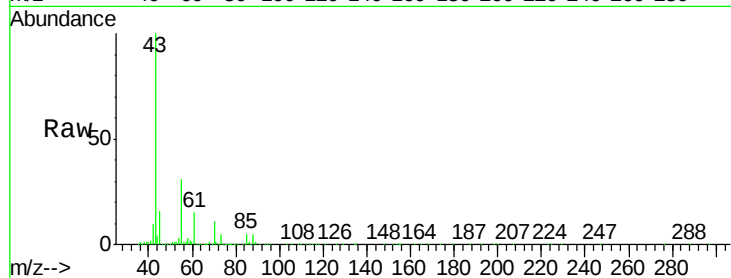
#43
Ethyl Acetate
Concen: 21.831 ug/l m
RT: 4.86 min Scan# 608
Delta R.T. -0.00 min
Lab File: VX007504.D
Acq: 13 Feb 2019 00:49

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021319

Tot Ion	Ratio	Lower	Upper
43	100		
45	0.1	6.9	10.3#

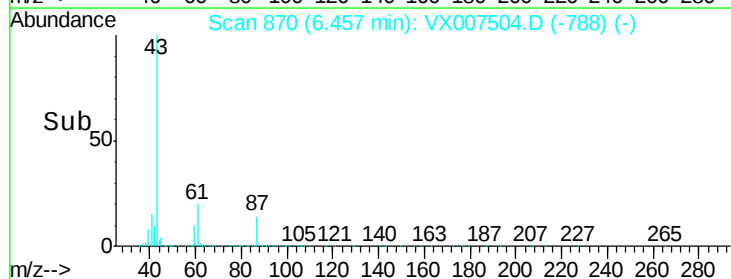
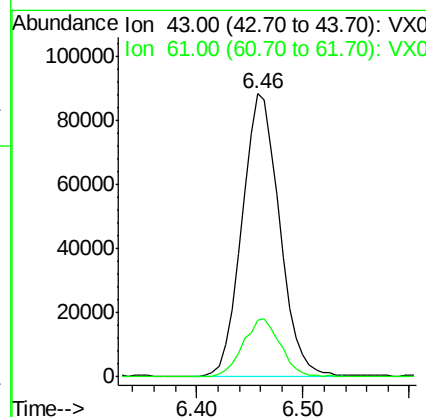
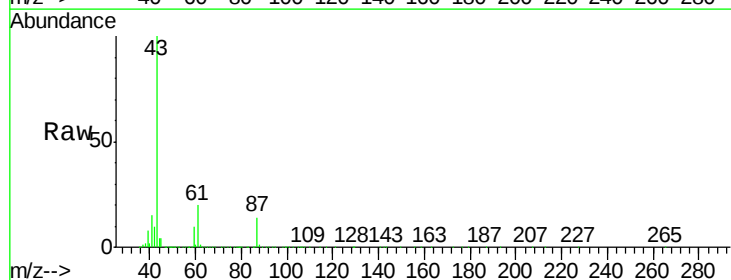
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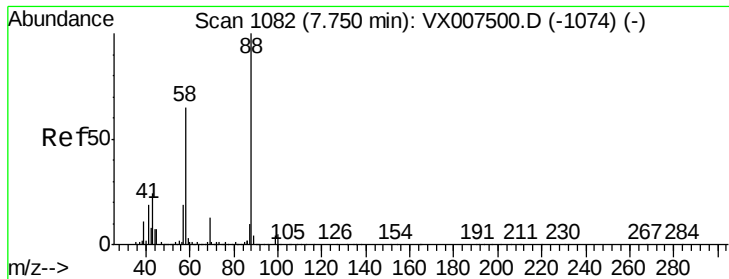
MMDadoda
2/13/2019 11:52:59 AM



#44
Isopropyl Acetate
Concen: 20.738 ug/l
RT: 6.46 min Scan# 870
Delta R.T. -0.00 min
Lab File: VX007504.D
Acq: 13 Feb 2019 00:49

Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.4	16.1	24.1





#45

1,4-Dioxane

Concen: 442.870 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. -0.00 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

Instrument :

MSVOA_X

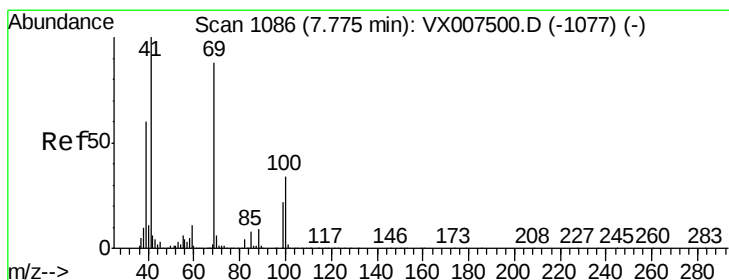
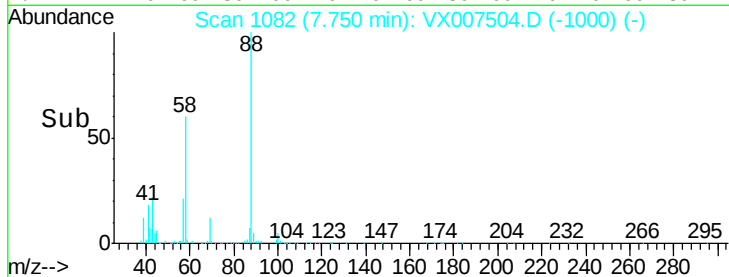
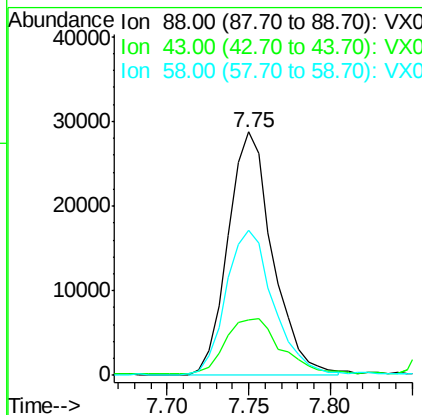
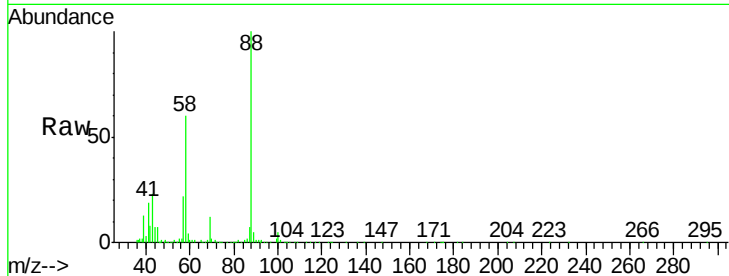
ClientSampleId :

ICVVX021319

Tot Ion:	88	Resp:	54722
Ion	Ratio	Lower	Upper
88	100		
43	28.2	23.6	35.4
58	63.7	51.6	77.4

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#46

Methyl methacrylate

Concen: 20.798 ug/l

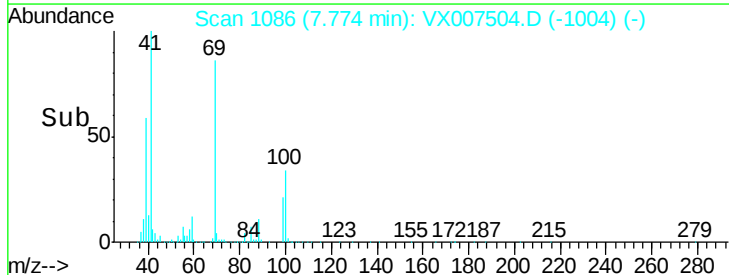
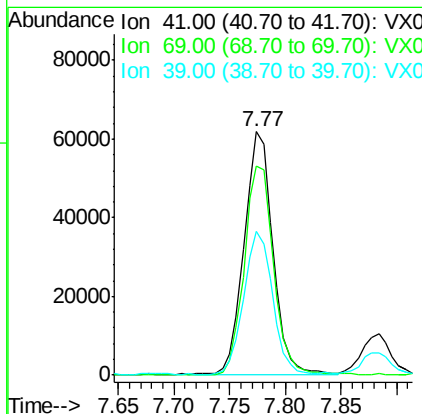
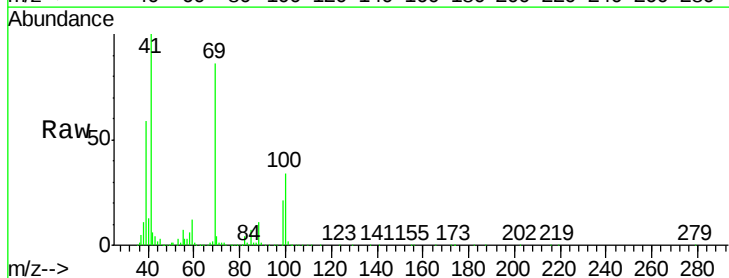
RT: 7.77 min Scan# 1086

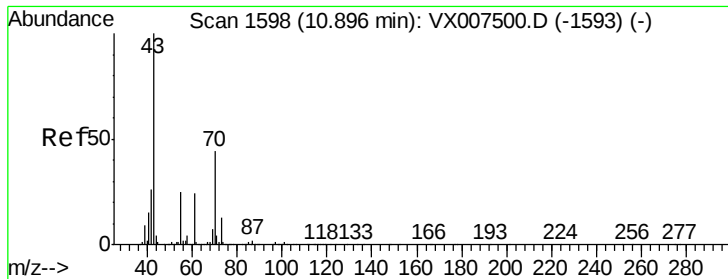
Delta R.T. -0.00 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

Tgt Ion:	41	Resp:	110267
Ion	Ratio	Lower	Upper
41	100		
69	85.9	44.2	132.6
39	59.0	29.9	89.8





#47

n-amvl Acetate

Concen: 20.737 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

Instrument :

MSVOA_X

ClientSampleId :

ICVVX021319

Tot Ion: 43 Resp: 191362

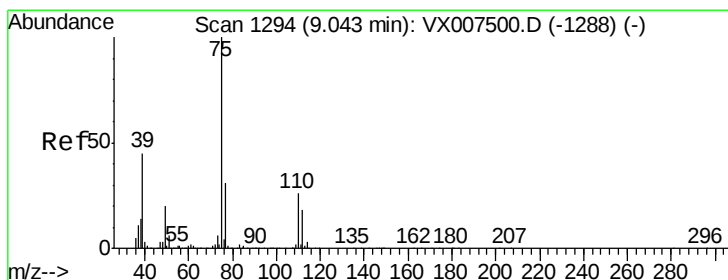
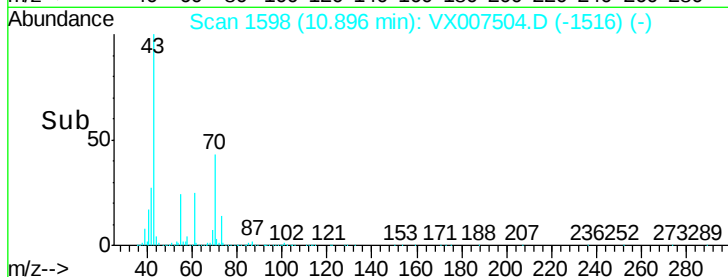
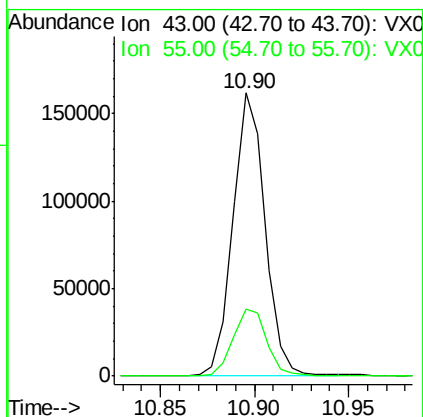
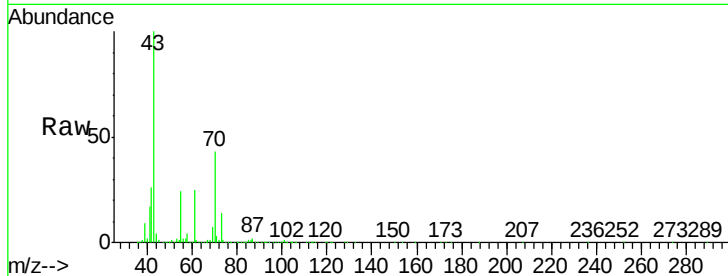
Ion Ratio Lower Upper

43 100

55 24.8 20.8 31.2

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#48

t-1,3-Dichloropropene

Concen: 20.038 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX007504.D

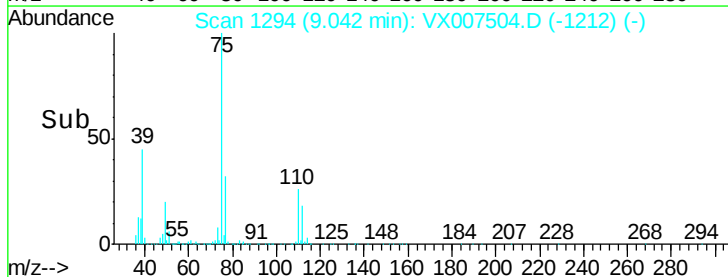
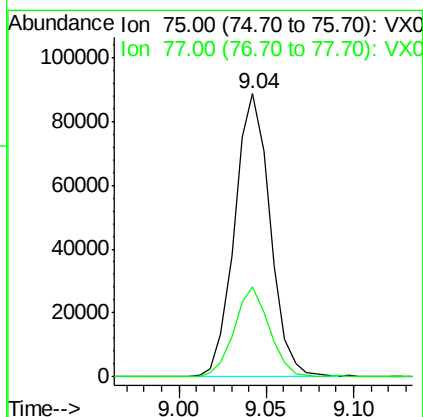
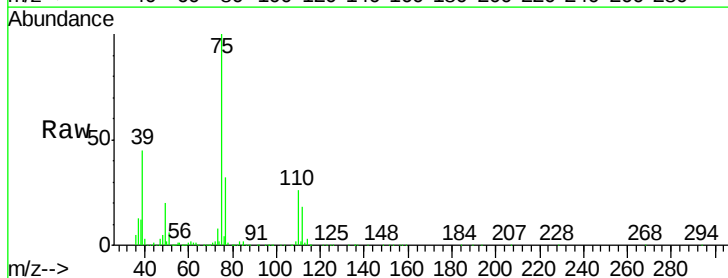
Acq: 13 Feb 2019 00:49

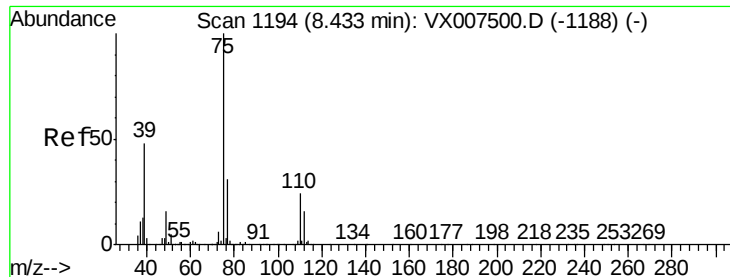
Tgt Ion: 75 Resp: 124391

Ion Ratio Lower Upper

75 100

77 32.0 24.5 36.7





#49

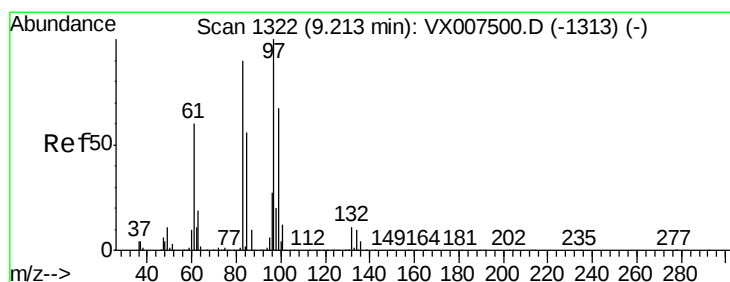
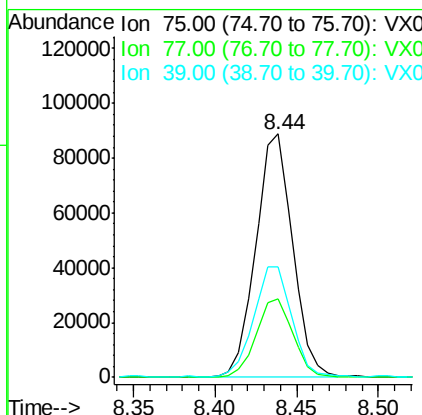
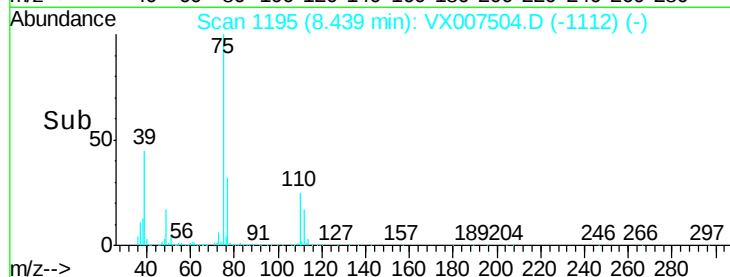
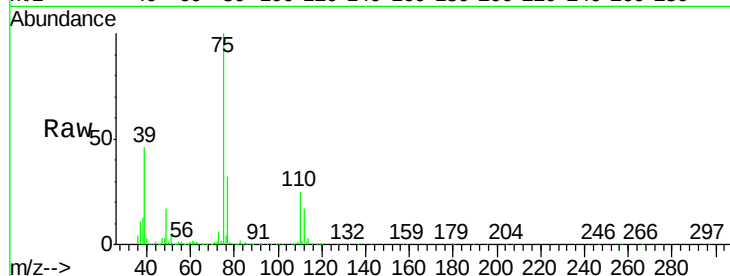
cis-1,3-Dichloropropene
Concen: 20.237 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.01 min
Lab File: VX007504.D
Acq: 13 Feb 2019 00:49

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021319

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.0	37.4
39	45.1	38.5	57.7

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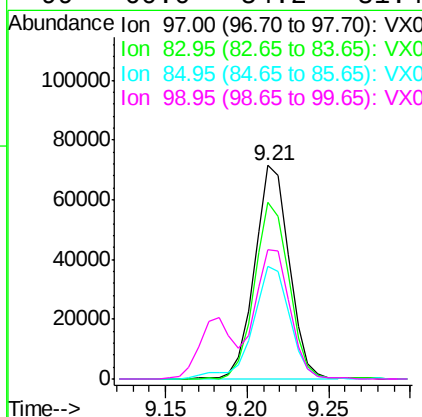
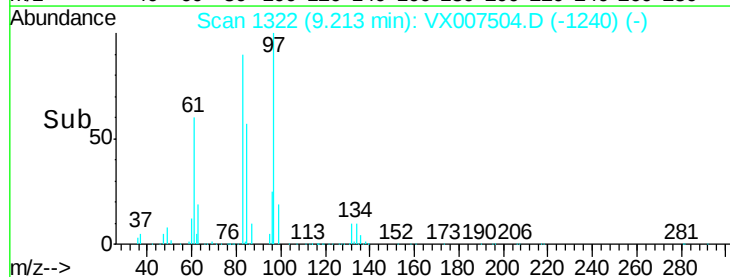
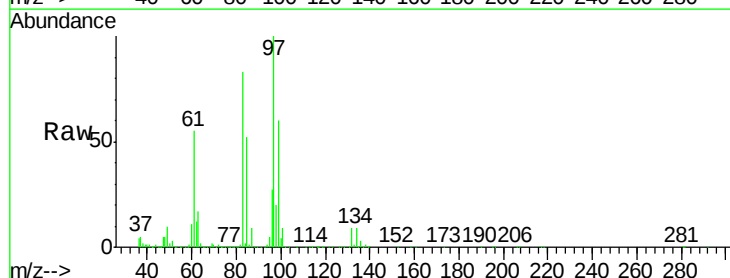
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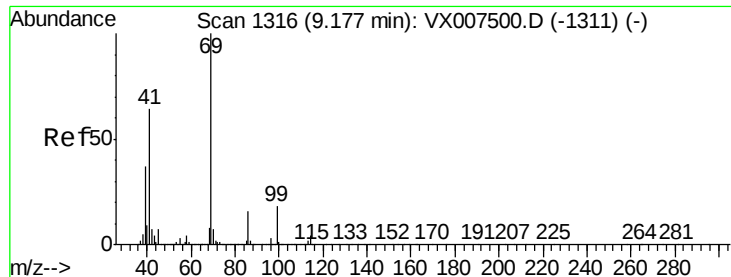


#50

1,1,2-Trichloroethane
Concen: 21.364 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VX007504.D
Acq: 13 Feb 2019 00:49

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.6	72.0	108.0
85	52.2	45.0	67.6
99	60.0	54.2	81.4





#51

Ethyl methacrylate

Concen: 20.676 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

Instrument :

MSVOA_X

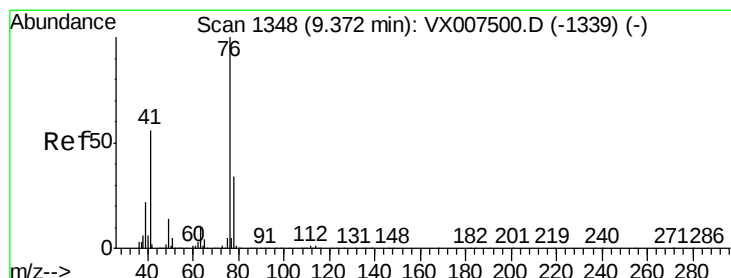
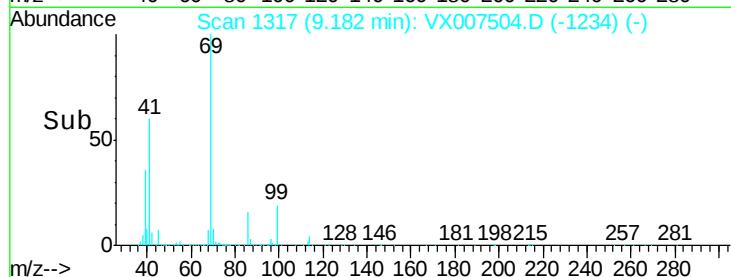
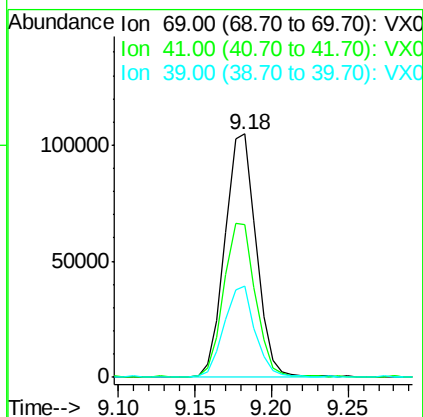
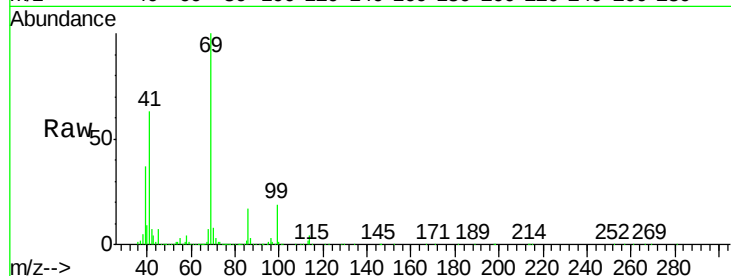
ClientSampleId :

ICVVX021319

Tot Ion:	69	Resp:	148102
Ion Ratio	Lower	Upper	
69	100		
41	62.6	32.1	96.5
39	37.1	18.8	56.3

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 21.056 ug/l

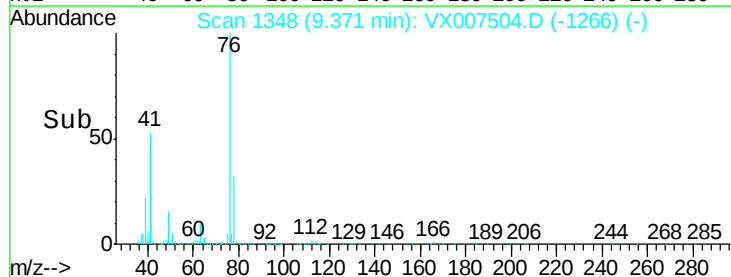
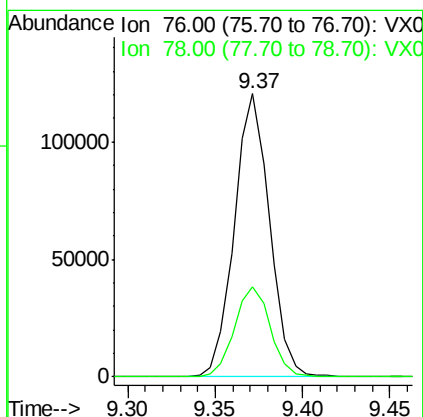
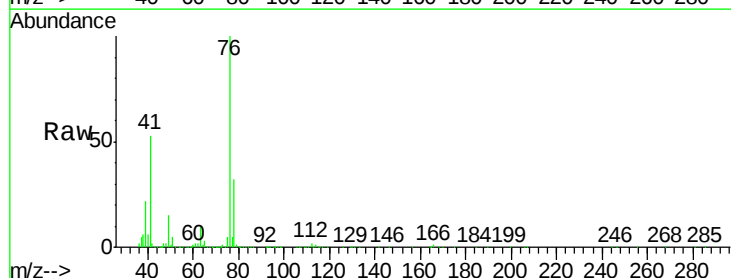
RT: 9.37 min Scan# 1348

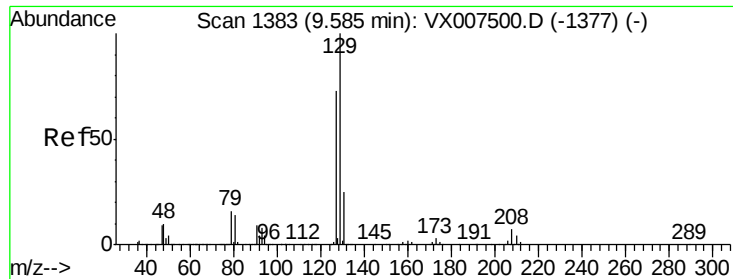
Delta R.T. -0.00 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

Tgt Ion:	76	Resp:	167805
Ion Ratio	Lower	Upper	
76	100		
78	32.8	0.0	65.2





#53

Dibromochloromethane

Concen: 20.150 ug/l

RT: 9.58 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

Instrument :

MSVOA_X

ClientSampleId :

ICVVX021319

Tot Ion:129 Resp: 103548

Ion Ratio Lower Upper

129 100

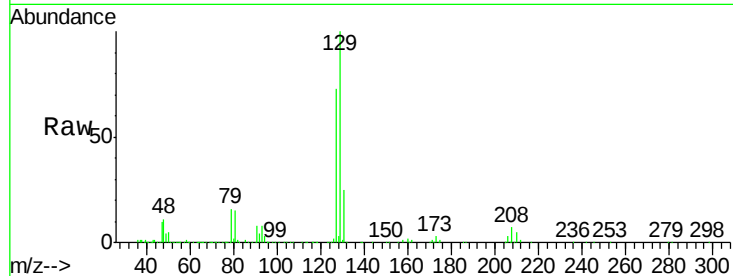
127 76.9 38.4 115.2

Manual Integrations

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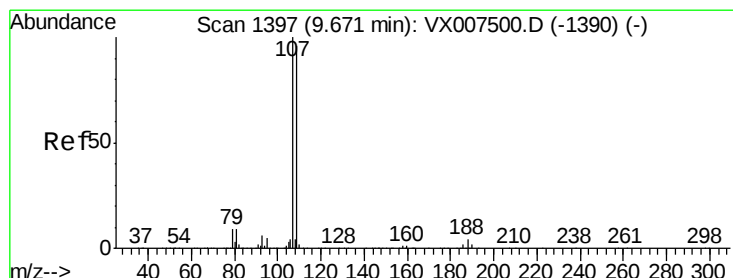
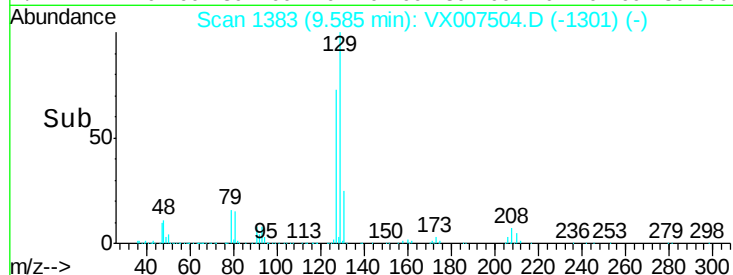
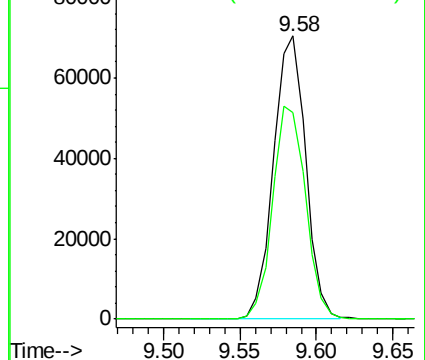
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 20.836 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007504.D

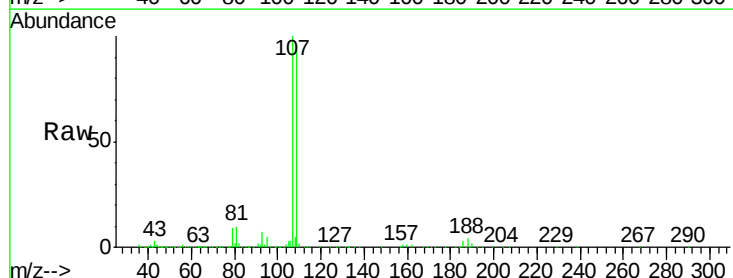
Acq: 13 Feb 2019 00:49

Tgt Ion:107 Resp: 112726

Ion Ratio Lower Upper

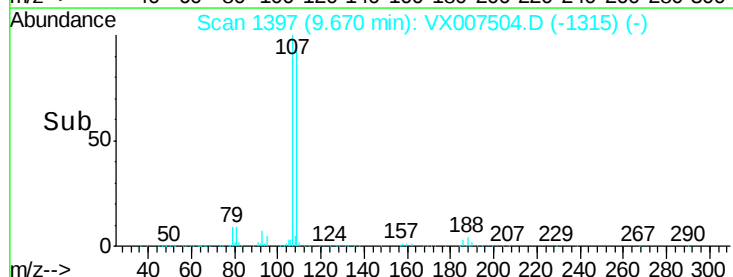
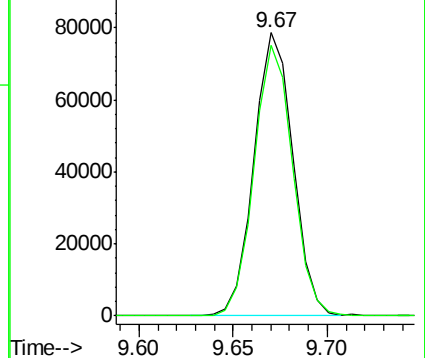
107 100

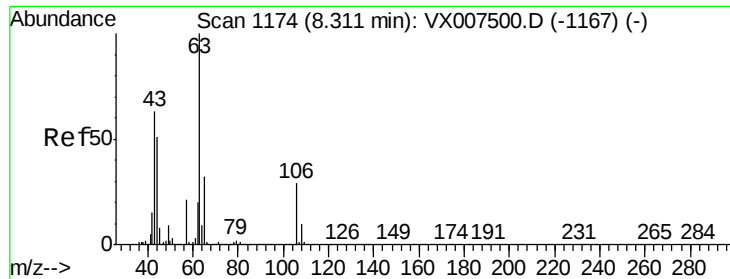
109 94.9 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 106.023 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

Instrument :

MSVOA_X

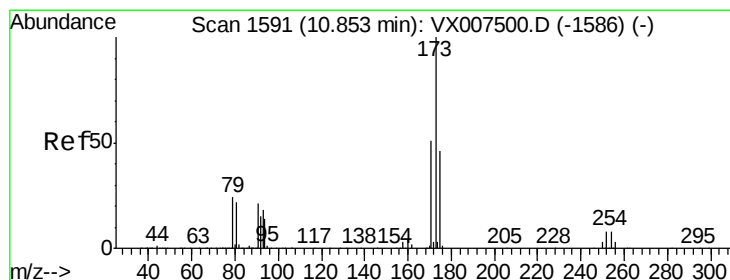
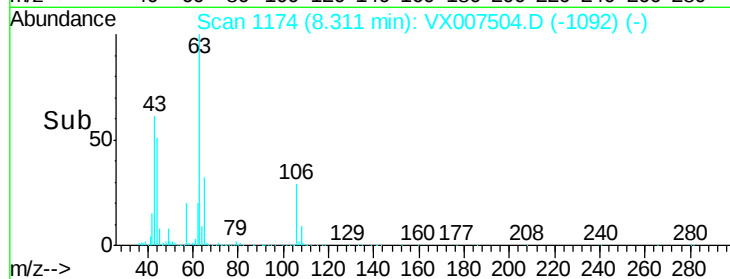
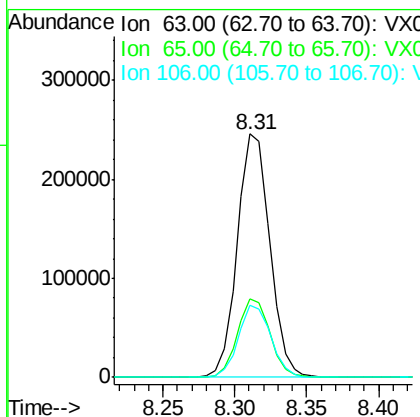
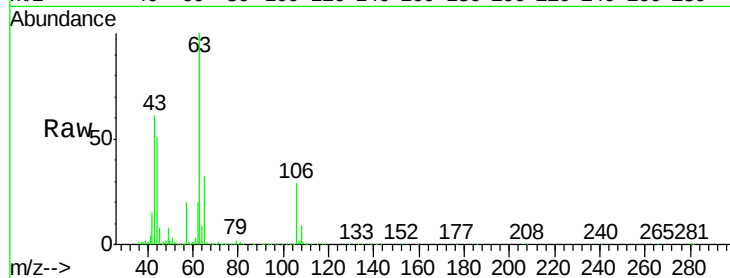
ClientSampleId :

ICVVX021319

Tot Ion:	63	Resp:	386099
Ion Ratio	Lower	Upper	
63	100		
65	32.2	25.7	38.5
106	29.6	23.7	35.5

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#56

Bromoform

Concen: 19.814 ug/l

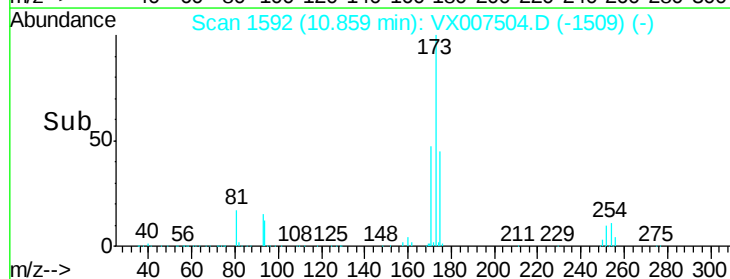
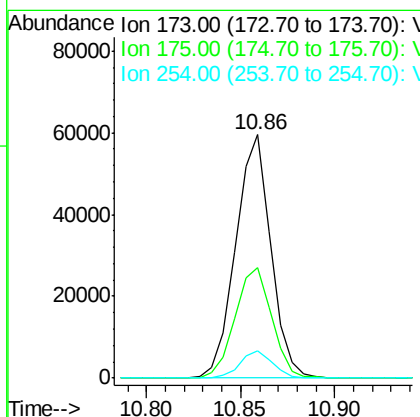
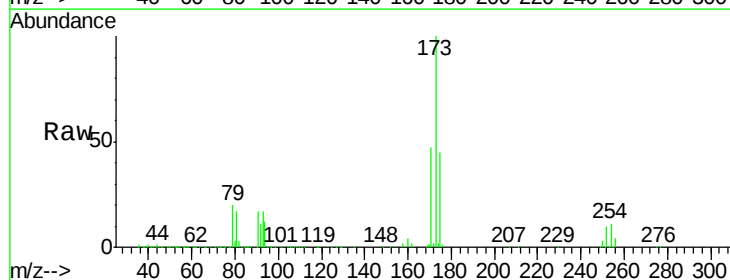
RT: 10.86 min Scan# 1592

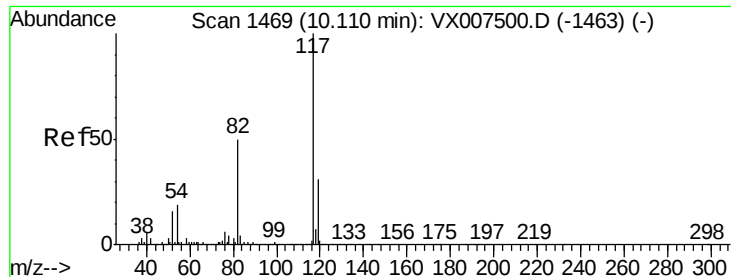
Delta R.T. 0.01 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

Tgt Ion:	173	Resp:	76802
Ion Ratio	Lower	Upper	
173	100		
175	47.5	38.5	57.7
254	10.4	7.4	11.2





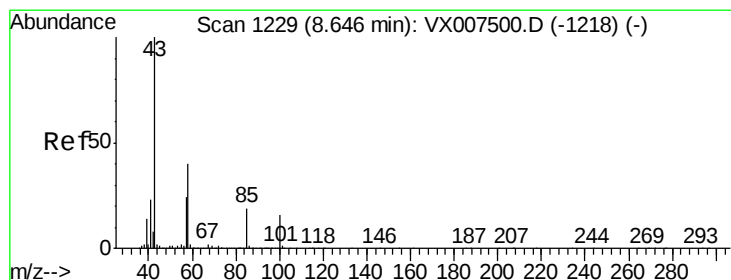
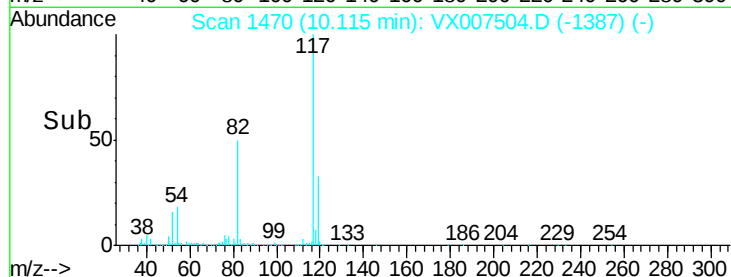
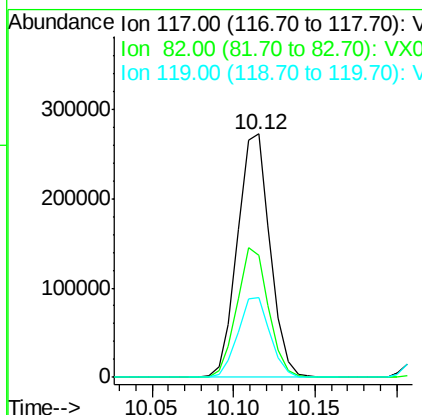
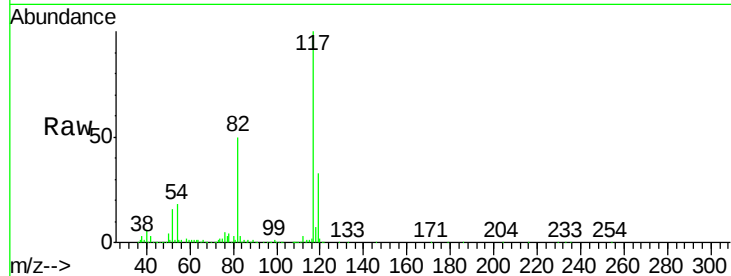
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007504.D
Acq: 13 Feb 2019 00:49

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021319

Tot Ion	Ratio	Resp	Lower	Upper
117	100	379283		
82	51.5	40.4	60.6	
119	32.6	25.8	38.6	

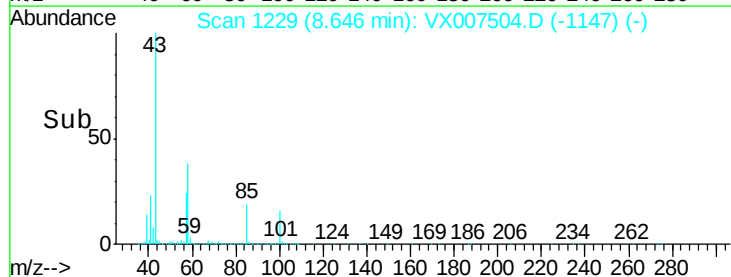
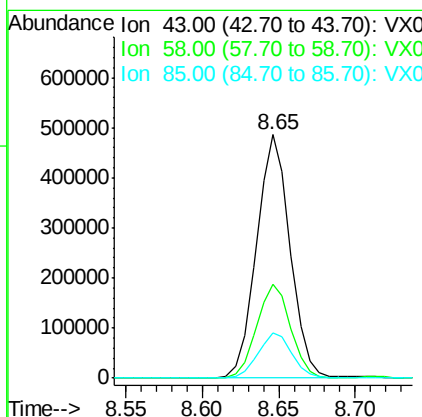
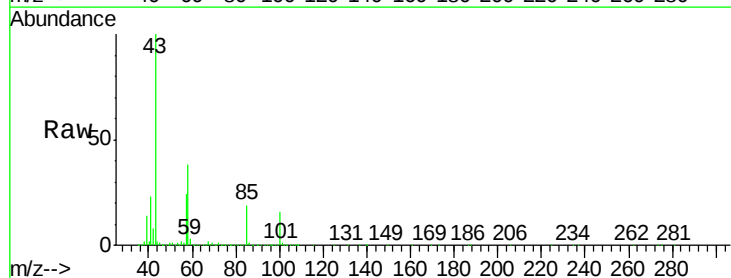
Manual Integrations
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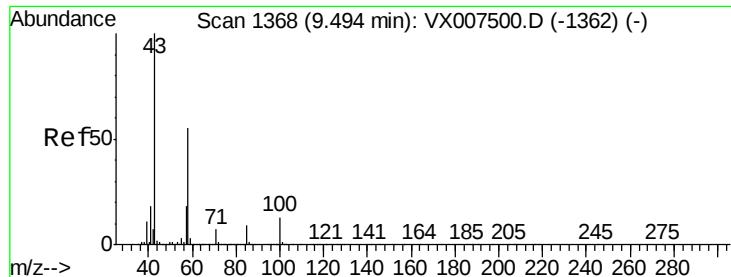
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#58
4-Methyl-2-Pentanone
Concen: 108.261 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VX007504.D
Acq: 13 Feb 2019 00:49

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	738580		
58	39.1	31.4	47.0	
85	18.8	15.0	22.6	





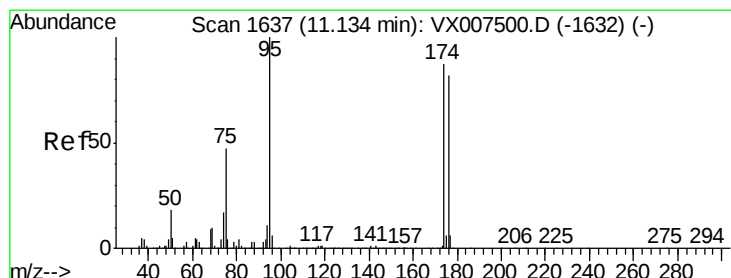
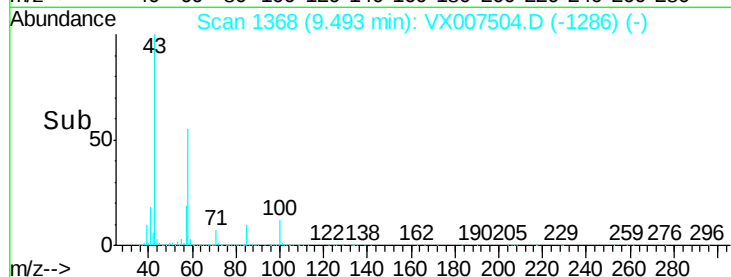
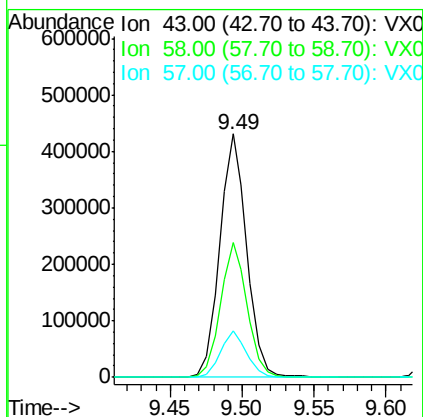
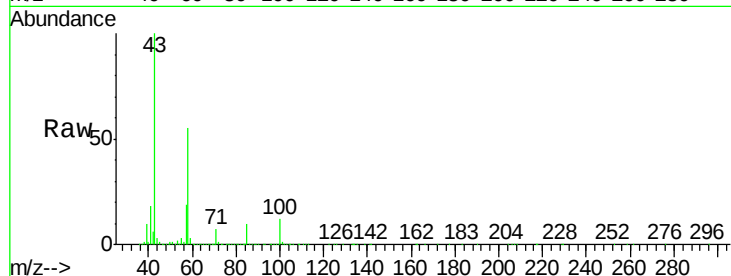
#59
2-Hexanone
Concen: 108.526 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007504.D
Acq: 13 Feb 2019 00:49

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021319

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.9	43.9	65.9
57	18.6	14.9	22.3

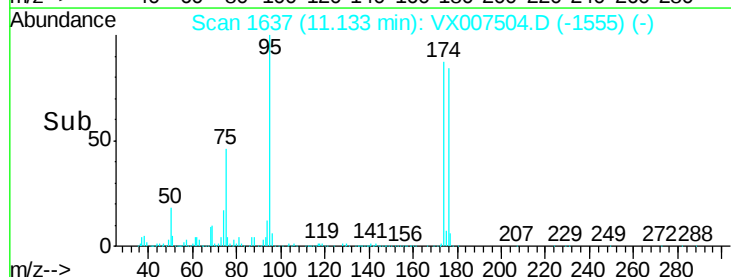
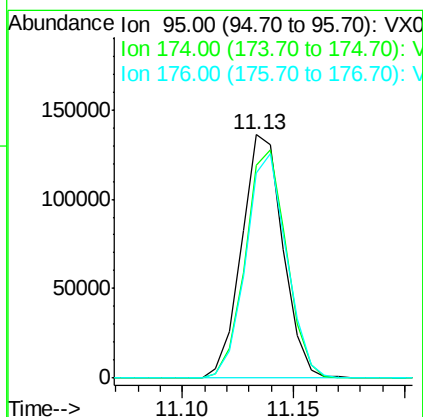
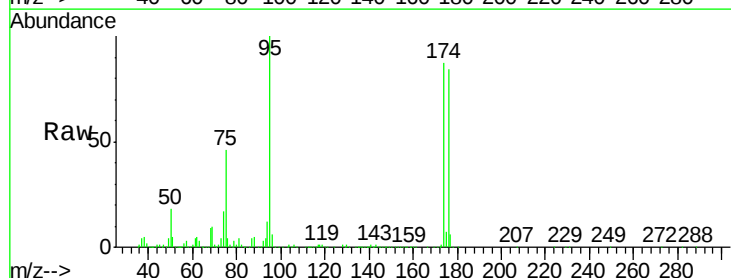
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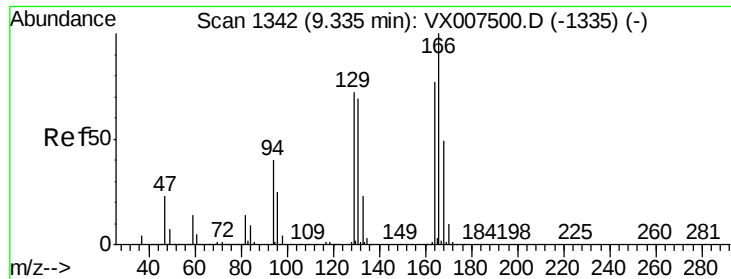
MMDadoda
2/13/2019 11:52:59 AM



#60
4-Bromofluorobenzene
Concen: 30.189 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007504.D
Acq: 13 Feb 2019 00:49

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.6	74.9	112.3
176	91.4	70.7	106.1





#61

Tetrachloroethene

Concen: 20.750 ug/l

RT: 9.33 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

Instrument :

MSVOA_X

ClientSampleId :

ICVVX021319

Tot Ion:164 Resp: 111721

Ion Ratio Lower Upper

164 100

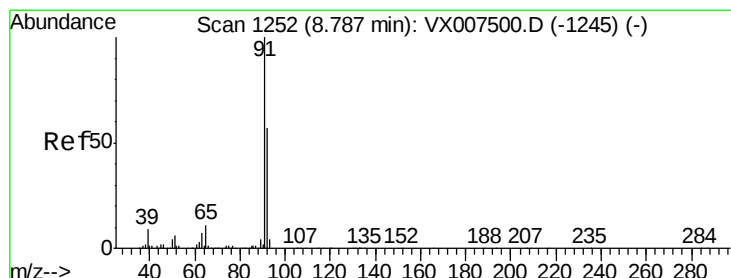
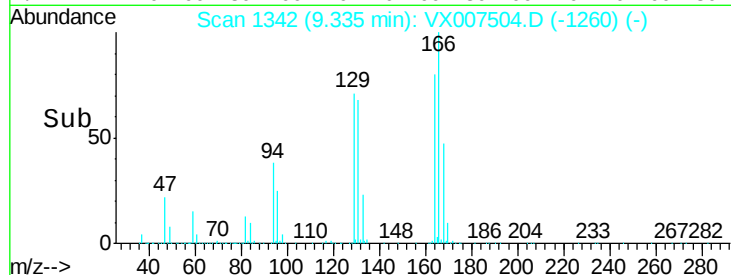
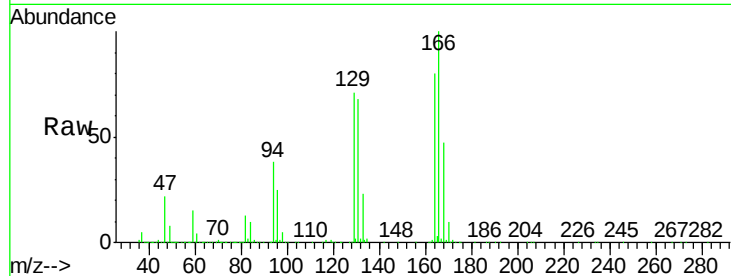
166 124.5 103.9 155.9

129 88.9 74.7 112.1

131 84.7 71.7 107.5

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#62

Toluene

Concen: 20.747 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX007504.D

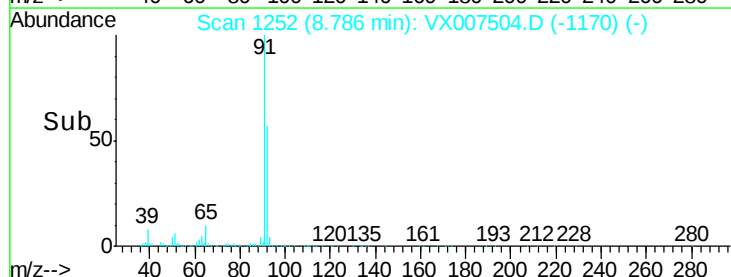
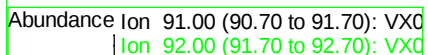
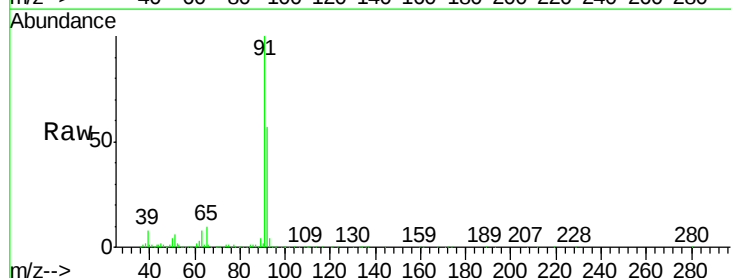
Acq: 13 Feb 2019 00:49

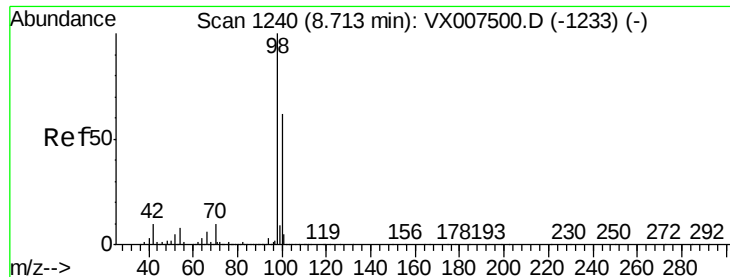
Tgt Ion: 91 Resp: 428553

Ion Ratio Lower Upper

91 100

92 56.8 46.4 69.6





#63

Toluene-d8

Concen: 29.646 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

Instrument :

MSVOA_X

ClientSampleId :

ICVVX021319

Tot Ion: 98 Resp: 508212

Ion Ratio Lower Upper

98 100

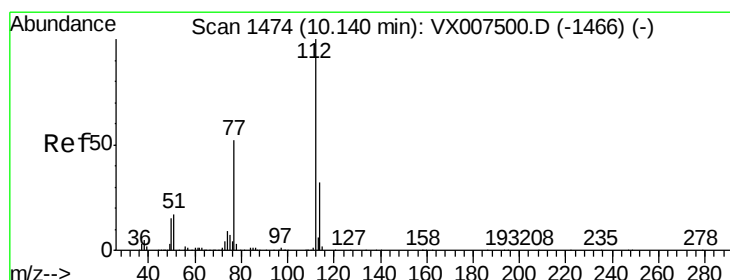
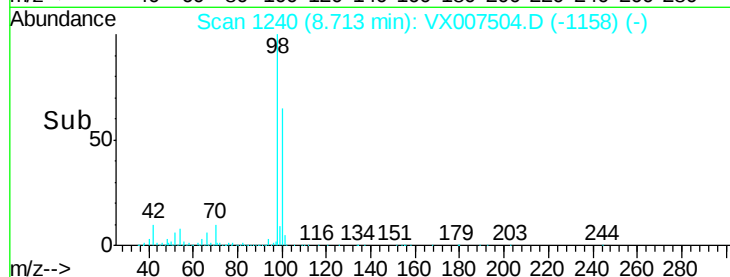
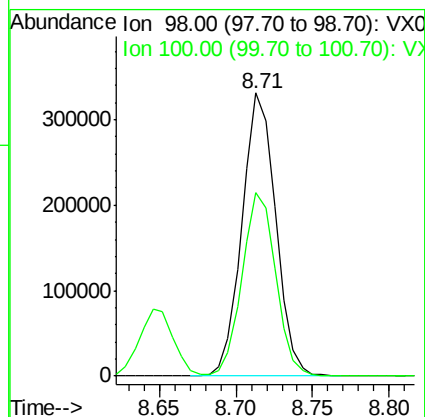
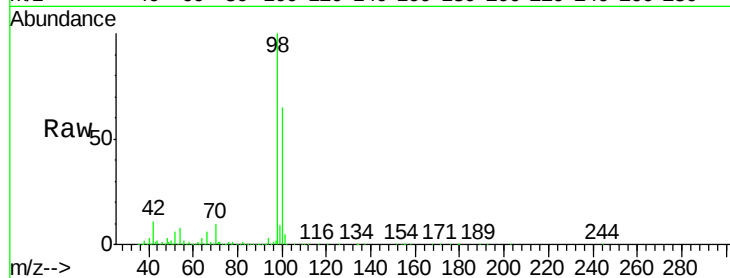
100 64.2 50.9 76.3

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#64

Chlorobenzene

Concen: 21.004 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX007504.D

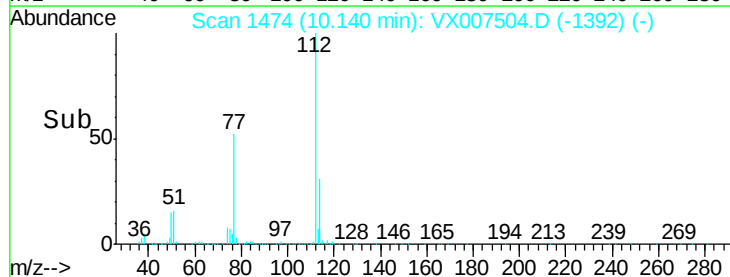
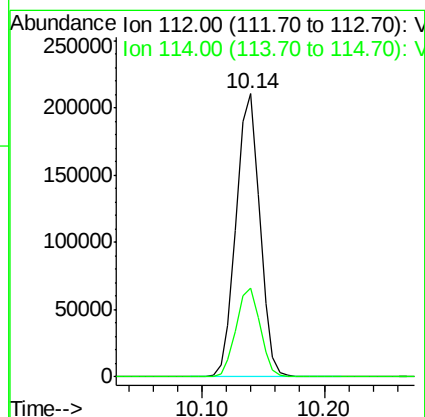
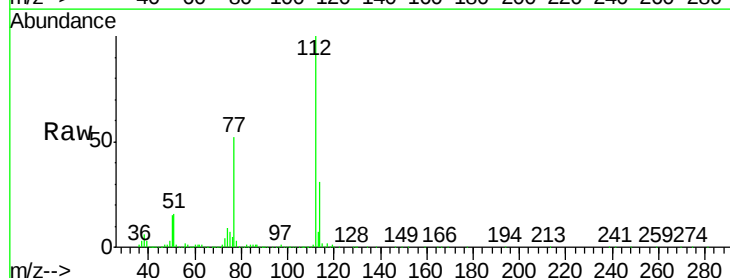
Acq: 13 Feb 2019 00:49

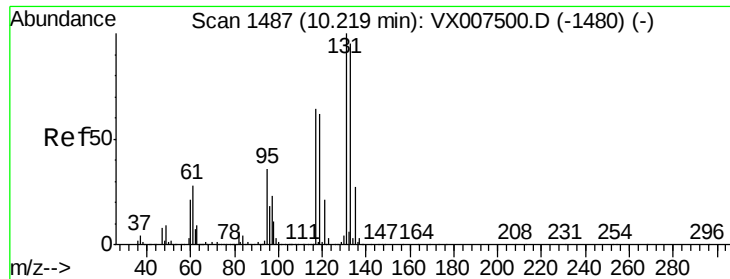
Tgt Ion: 112 Resp: 281945

Ion Ratio Lower Upper

112 100

114 31.3 25.4 38.2





#65

1,1,1,2-Tetrachloroethane

Concen: 20.926 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

Instrument :

MSVOA_X

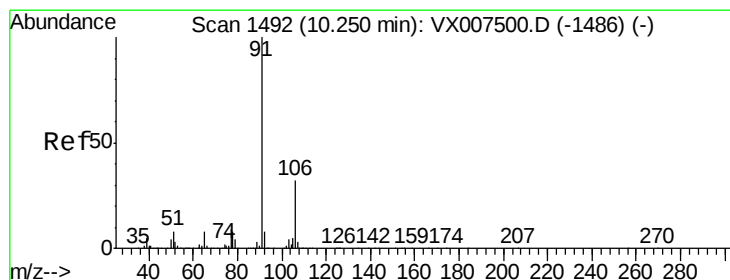
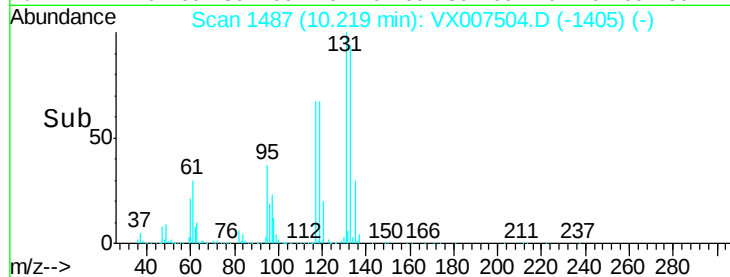
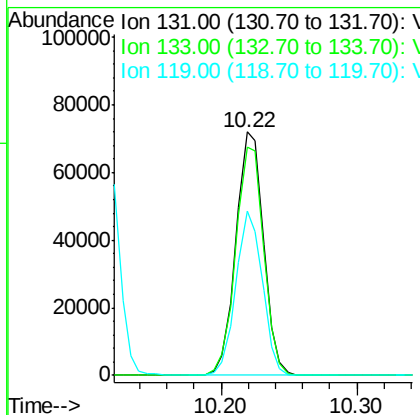
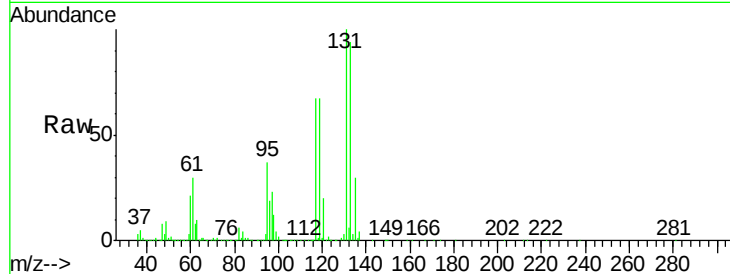
ClientSampleId :

ICVVX021319

Tot Ion:	131	Resp:	101744
Ion Ratio	Lower	Upper	
131	100		
133	95.1	0.0	191.6
119	64.6	0.0	127.4

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#66

Ethyl Benzene

Concen: 20.444 ug/l

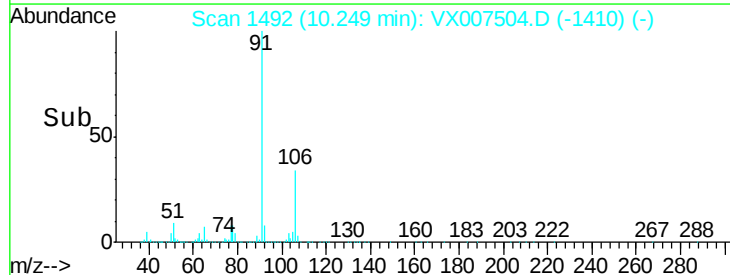
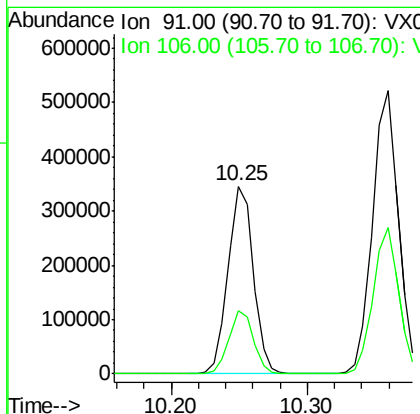
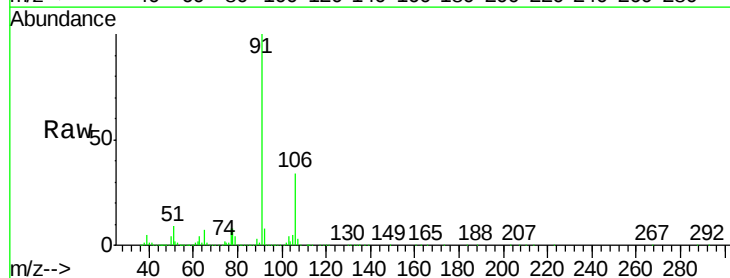
RT: 10.25 min Scan# 1492

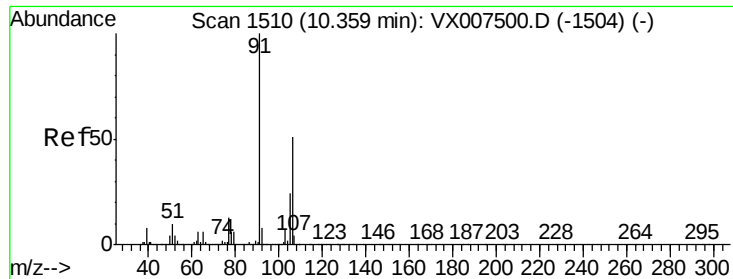
Delta R.T. -0.00 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

Tgt Ion:	91	Resp:	448125
Ion Ratio	Lower	Upper	
91	100		
106	33.9	26.0	39.0





#67

m/p-Xylenes

Concen: 40.853 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

Instrument :

MSVOA_X

ClientSampleId :

ICVVX021319

Tot Ion:106 Resp: 351235

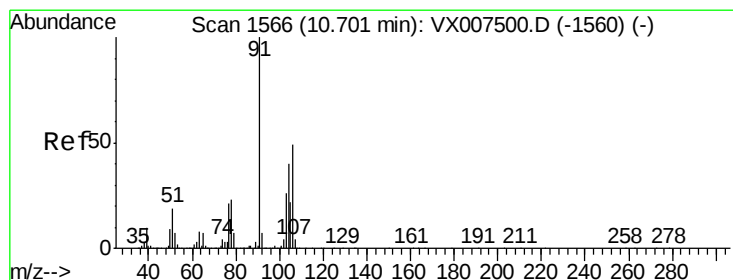
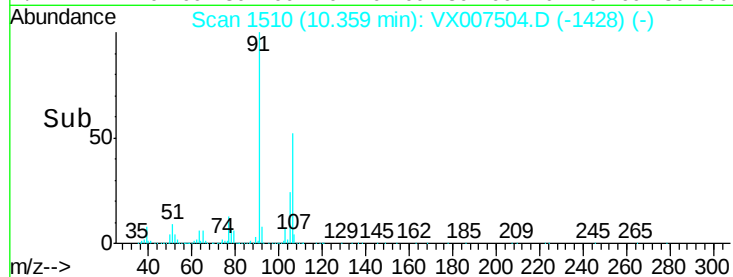
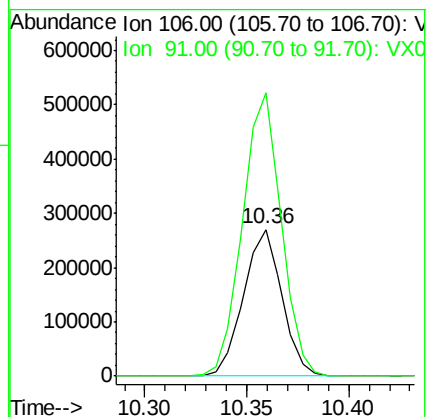
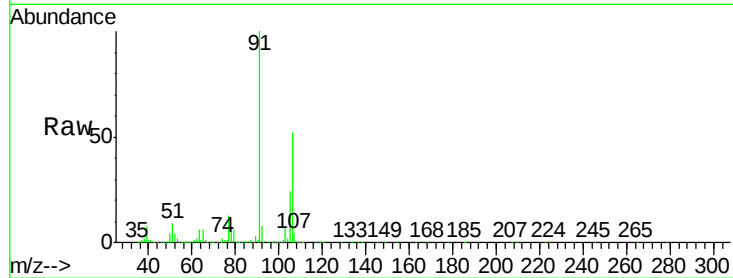
Ion Ratio Lower Upper

106 100

91 195.9 157.0 235.4

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#68

o-Xylene

Concen: 20.565 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VX007504.D

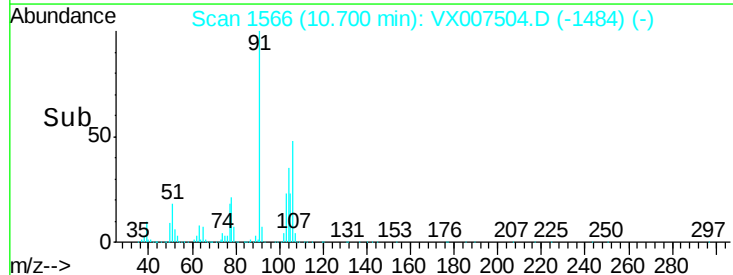
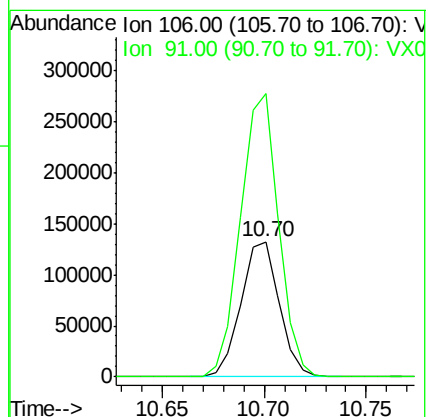
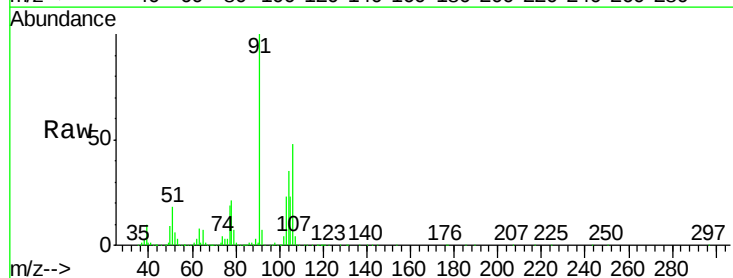
Acq: 13 Feb 2019 00:49

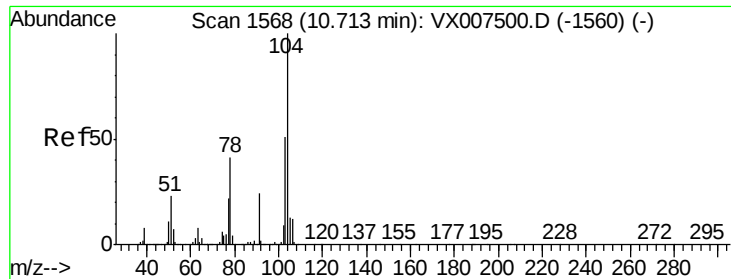
Tgt Ion:106 Resp: 172439

Ion Ratio Lower Upper

106 100

91 208.7 104.4 313.2





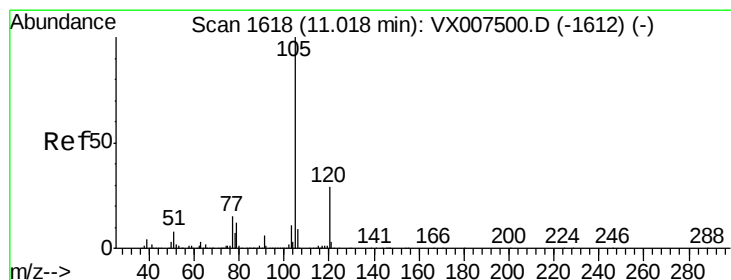
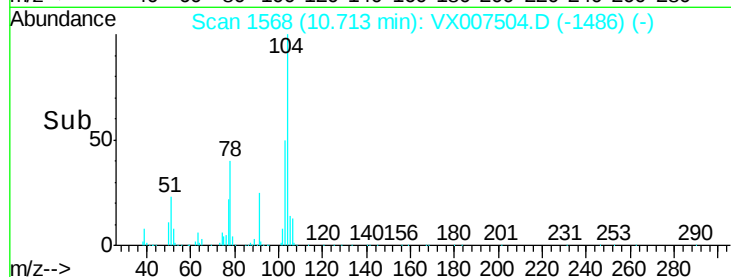
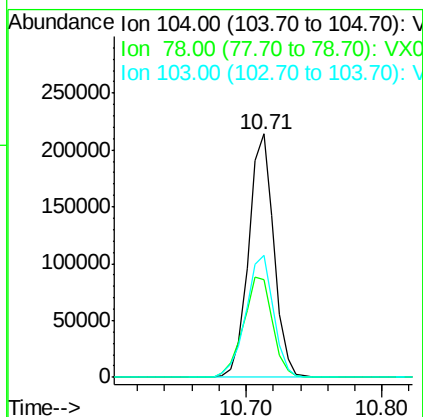
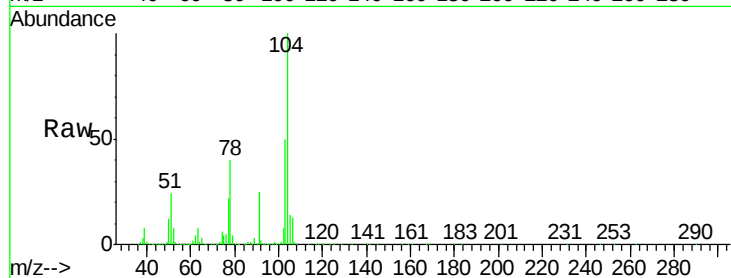
#69
Stvrene
Concen: 20.565 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007504.D
Acq: 13 Feb 2019 00:49

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021319

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.1	38.2	57.2
103	55.1	45.0	67.4

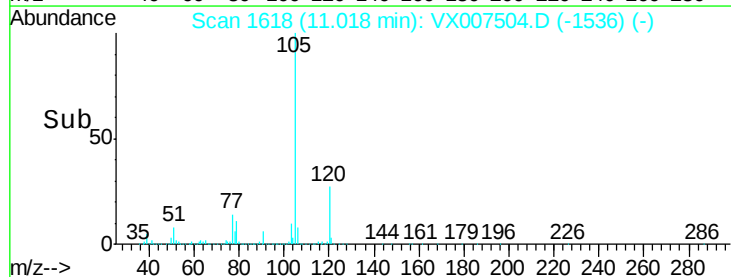
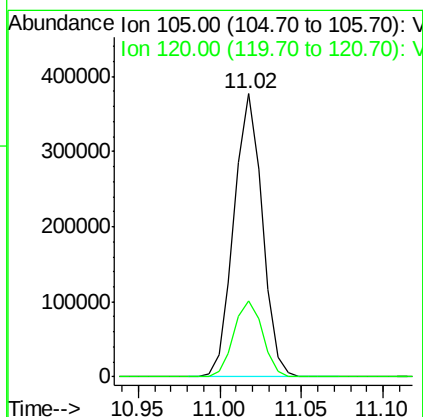
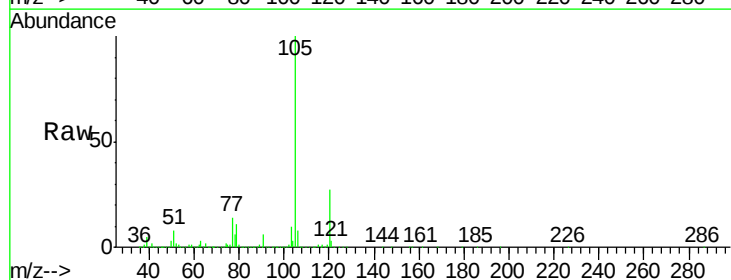
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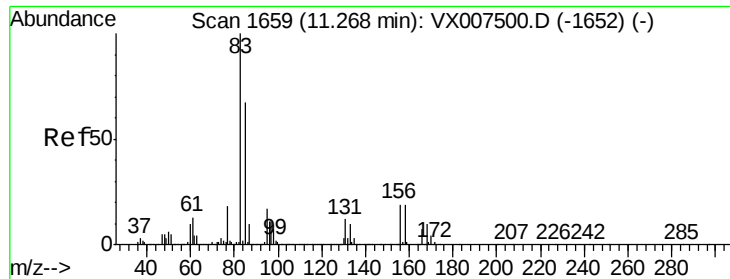
MMDadoda
2/13/2019 11:52:59 AM



#70
Isopropylbenzene
Concen: 20.637 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX007504.D
Acq: 13 Feb 2019 00:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.4	19.8	36.8





#71

1,1,2,2-Tetrachloroethane

Concen: 21.009 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

Instrument :

MSVOA_X

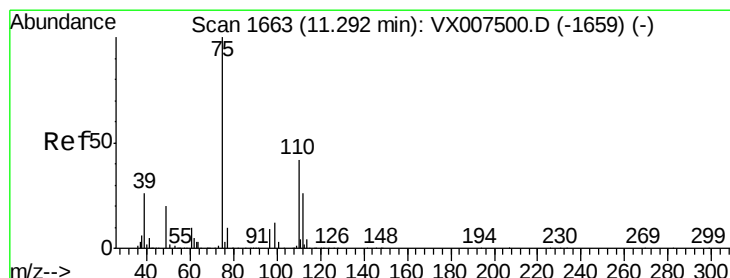
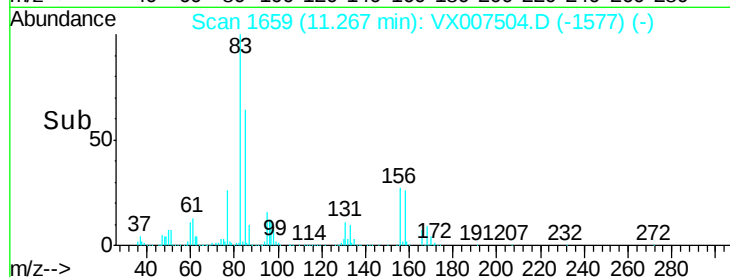
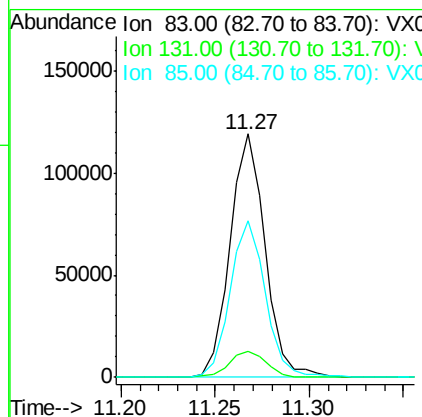
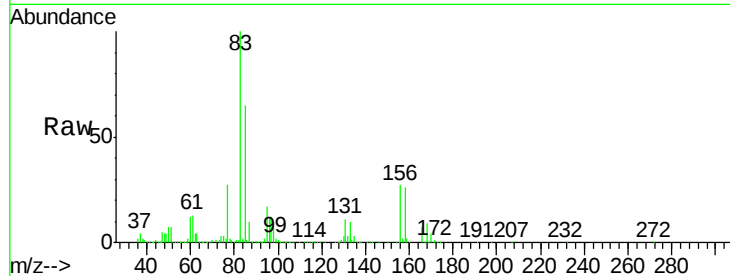
ClientSampleId :

ICVVX021319

Tot Ion:	83	Resp:	153637
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.4	16.2
85	65.4	32.8	98.4

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#72

1,2,3-Trichloropropane

Concen: 20.779 ug/l m

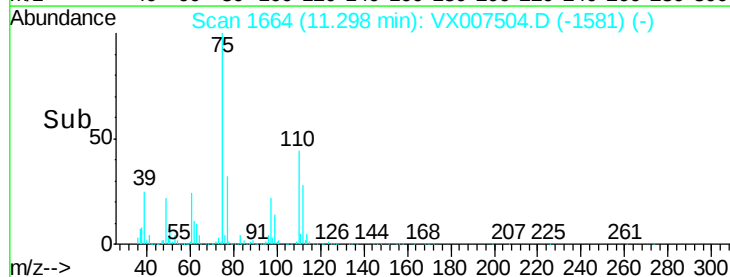
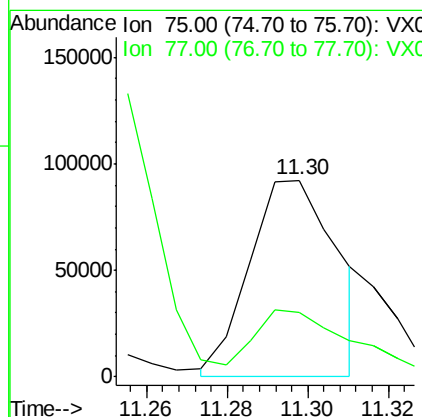
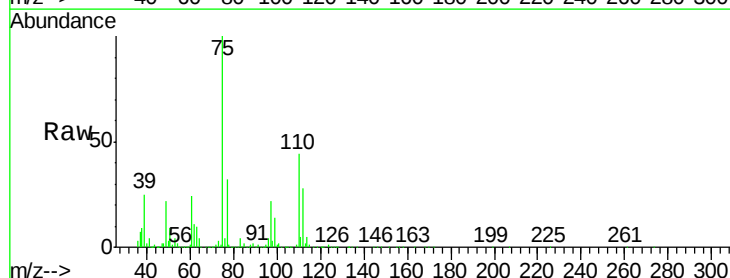
RT: 11.30 min Scan# 1664

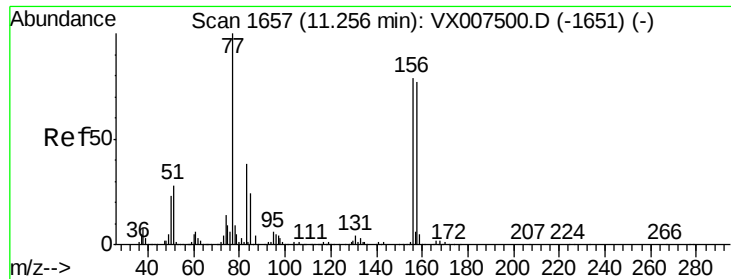
Delta R.T. 0.01 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

Tgt Ion:	75	Resp:	138932
Ion Ratio	Lower	Upper	
75	100		
77	38.2	0.0	76.4





#73

Bromobenzene

Concen: 21.108 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

Instrument :

MSVOA_X

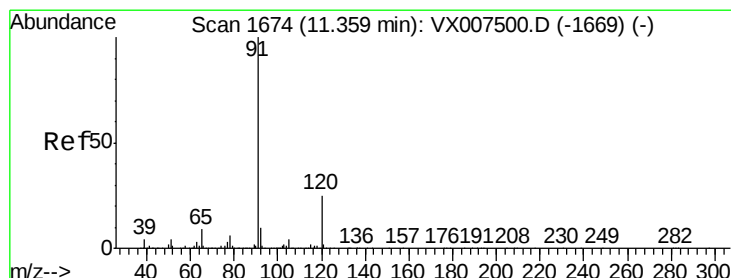
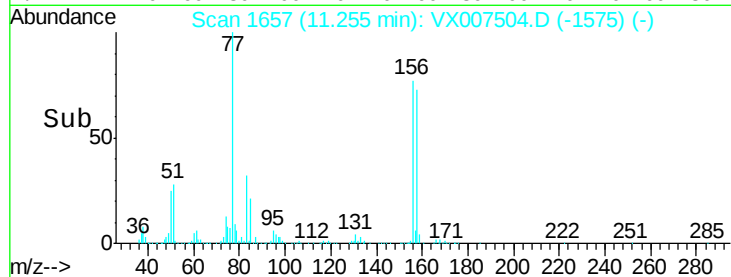
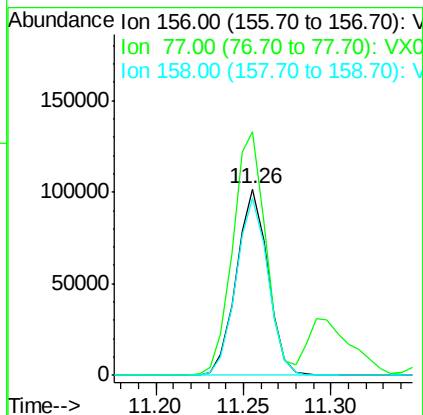
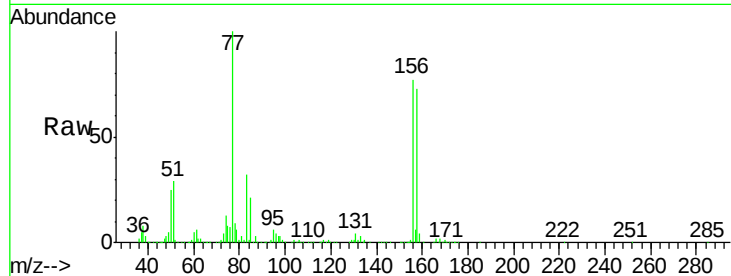
ClientSampleId :

ICVVX021319

Tot Ion	Ratio	Resp	Lower	Upper
156	100	127488		
77	137.1	0.0	271.4	
158	96.3	0.0	194.0	

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#74

n-propylbenzene

Concen: 20.442 ug/l

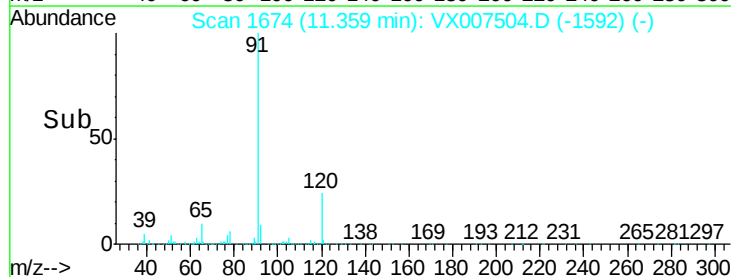
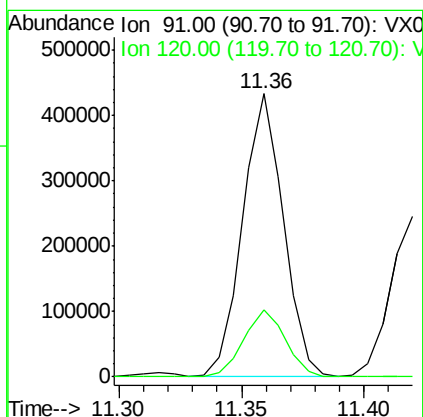
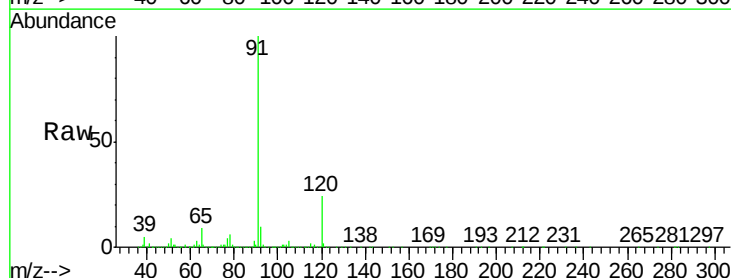
RT: 11.36 min Scan# 1674

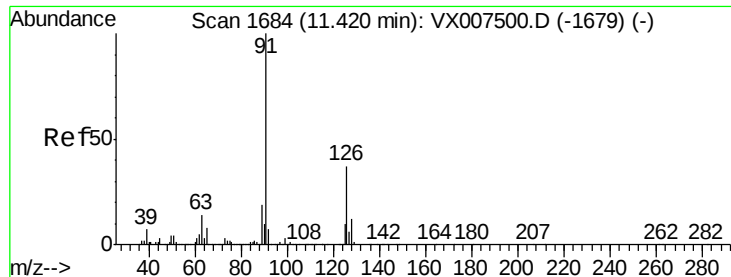
Delta R.T. -0.00 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	502116		
120	24.3	0.0	48.6	





#75

2-Chlorotoluene

Concen: 20.757 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

Instrument :

MSVOA_X

ClientSampleId :

ICVVX021319

Tot Ion: 91 Resp: 304854

Ion Ratio Lower Upper

91 100

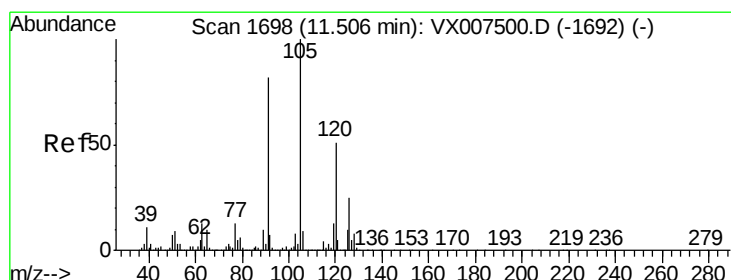
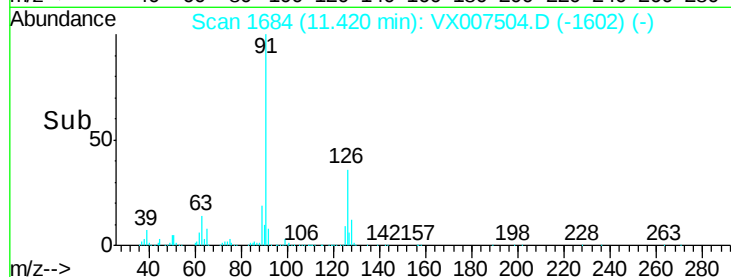
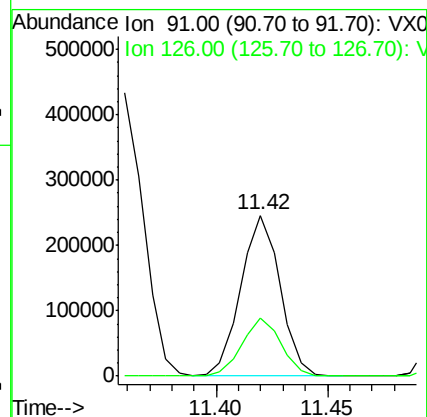
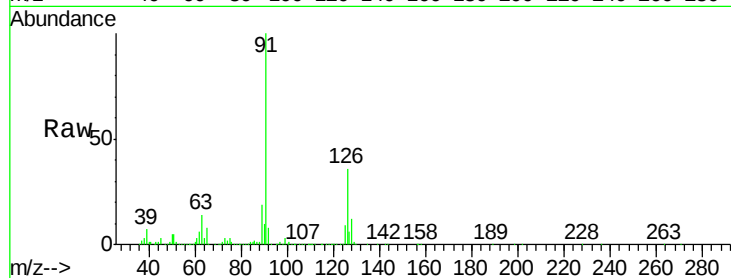
126 36.0 0.0 75.2

Manual Integrations

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MMDadoda

2/13/2019 11:52:59 AM



#76

1,3,5-Trimethylbenzene

Concen: 20.324 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007504.D

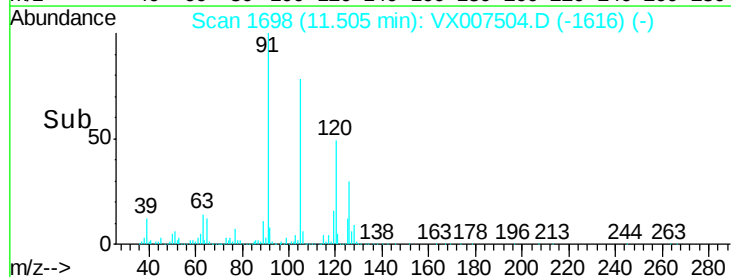
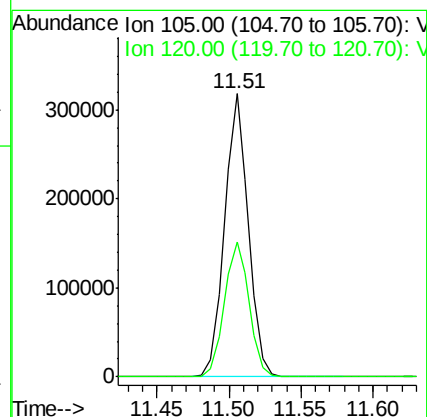
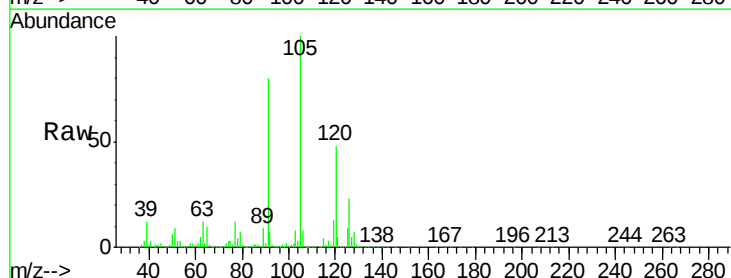
Acq: 13 Feb 2019 00:49

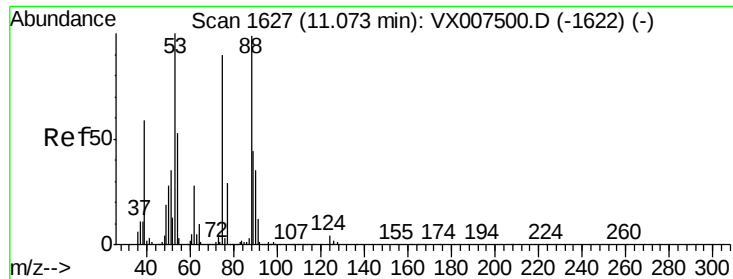
Tgt Ion: 105 Resp: 367004

Ion Ratio Lower Upper

105 100

120 49.7 0.0 101.0





#77

t-1,4-Dichloro-2-butene

Concen: 20.130 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

Instrument :

MSVOA_X

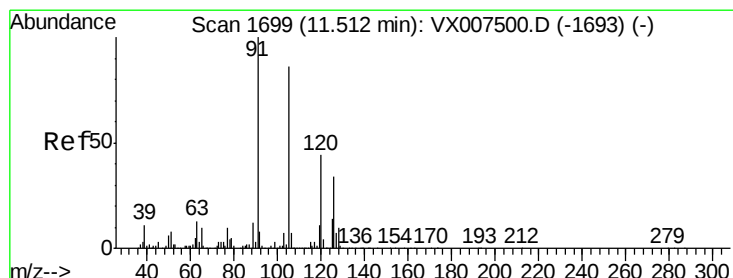
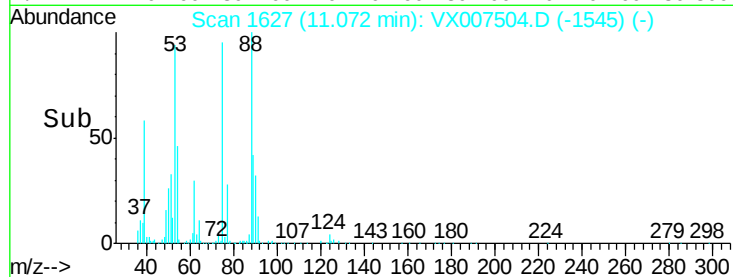
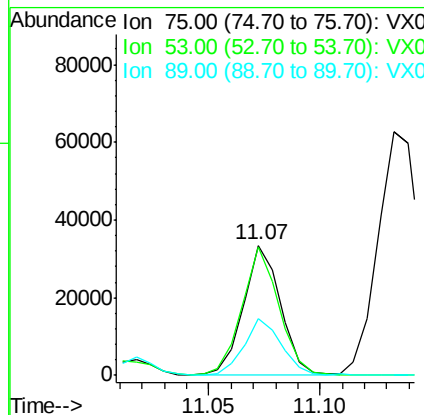
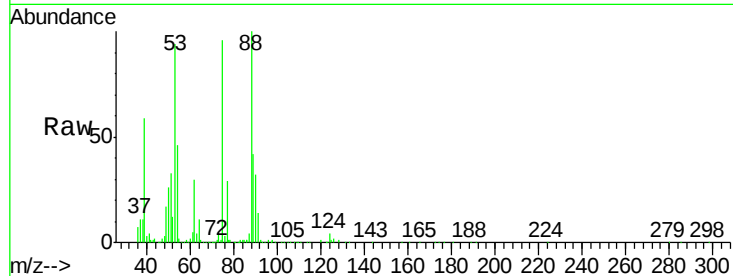
ClientSampleId :

ICVX021319

Tot Ion:	75	Resp:	38851
Ion	Ratio	Lower	Upper
75	100		
53	98.5	55.5	166.7
89	42.9	24.4	73.2

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#78

4-Chlorotoluene

Concen: 20.759 ug/l

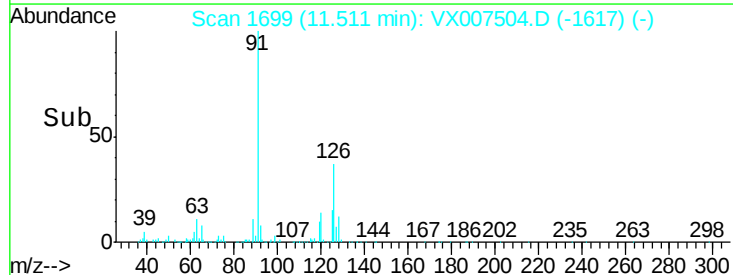
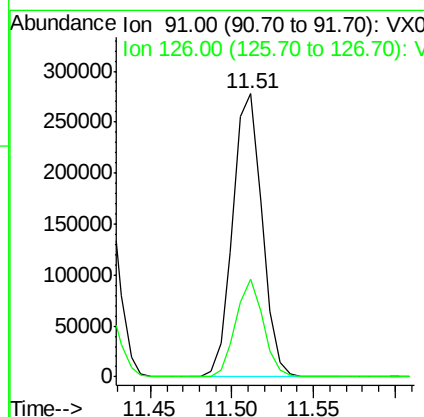
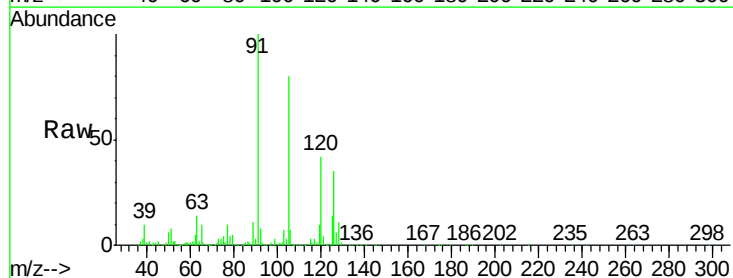
RT: 11.51 min Scan# 1699

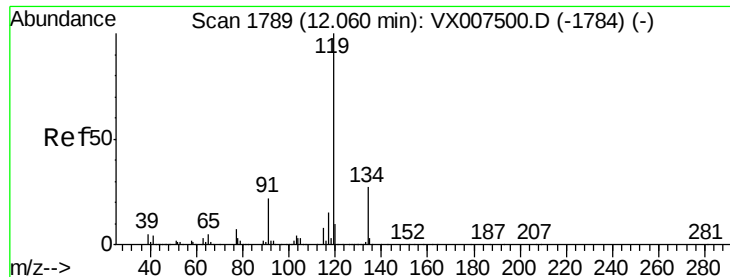
Delta R.T. -0.00 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

Tgt Ion:	91	Resp:	347991
Ion	Ratio	Lower	Upper
91	100		
126	32.5	0.0	66.2





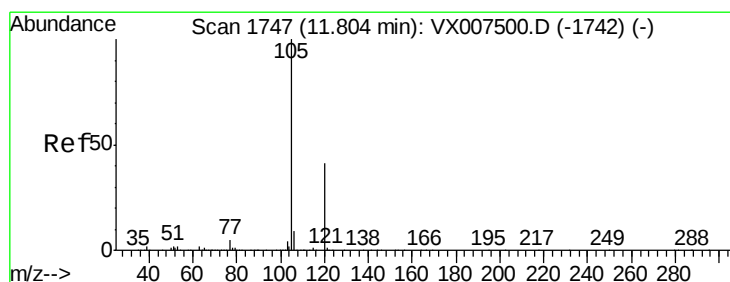
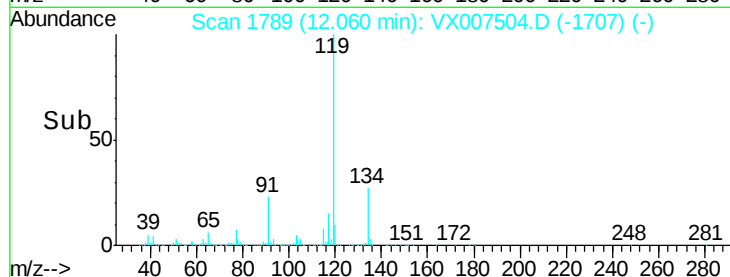
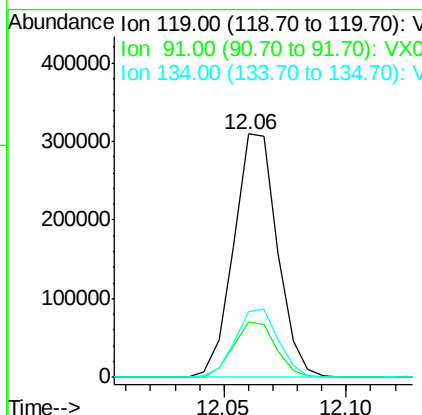
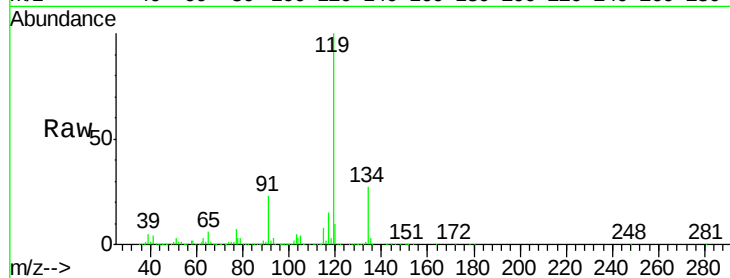
#79
tert-butylbenzene
Concen: 20.031 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX007504.D
Acq: 13 Feb 2019 00:49

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021319

Tot Ion	Ratio	Resp	Lower	Upper
119	100	384095		
91	22.4	0.0	45.0	
134	27.7	0.0	55.4	

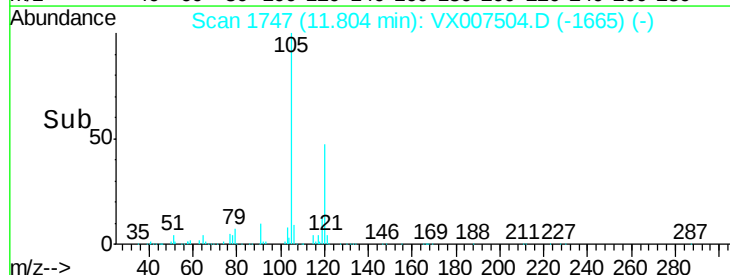
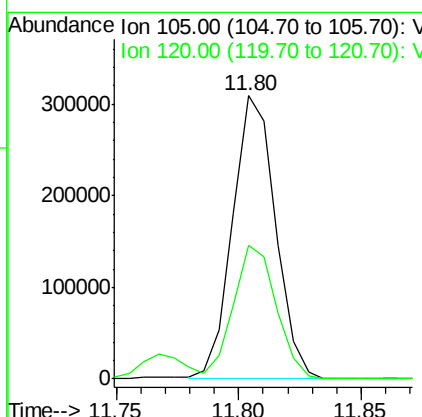
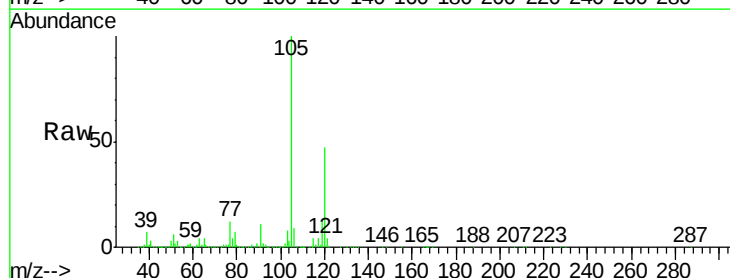
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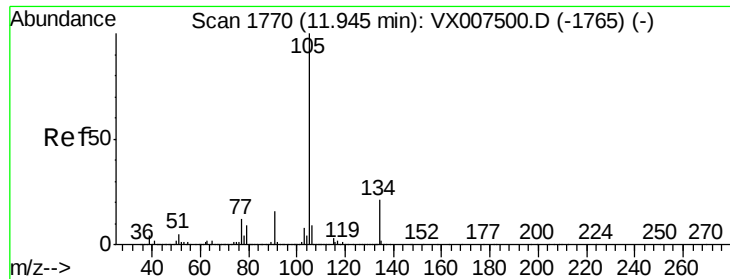
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#80
1,2,4-Trimethylbenzene
Concen: 20.584 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX007504.D
Acq: 13 Feb 2019 00:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	377335		
120	47.0	0.0	94.0	





#81

sec-Butylbenzene

Concen: 20.473 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

Instrument :

MSVOA_X

ClientSampleId :

ICVVX021319

Tot Ion:105 Resp: 441496

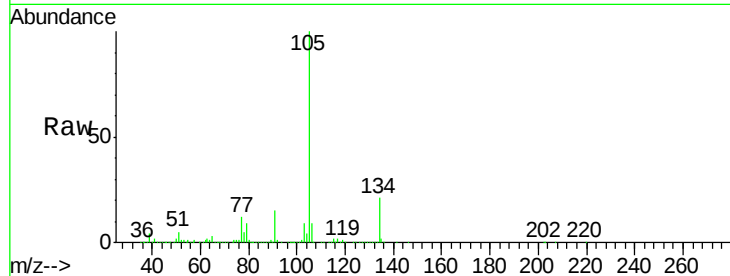
Ion Ratio Lower Upper

105 100

134 21.1 0.0 41.8

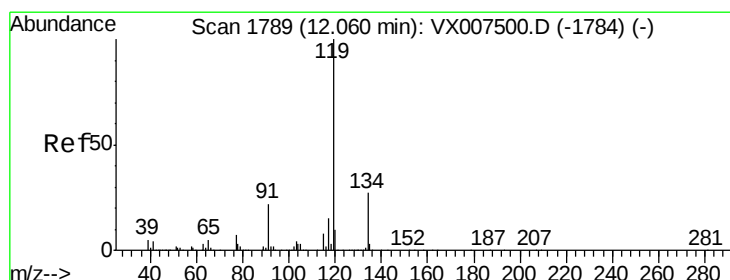
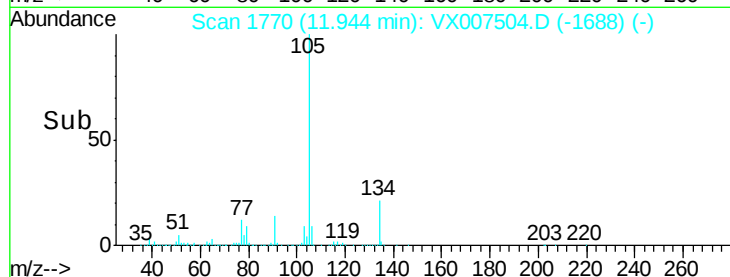
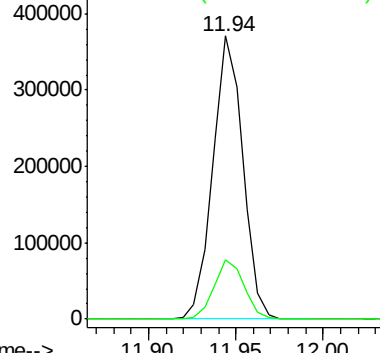
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 20.031 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

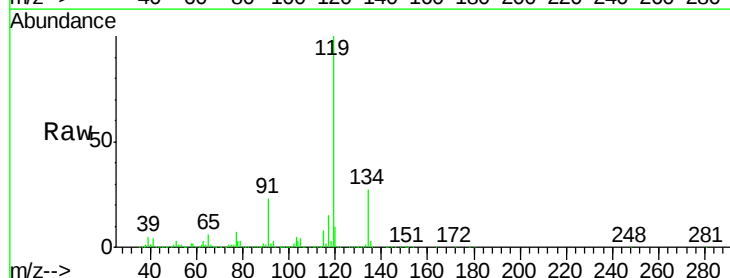
Tgt Ion:119 Resp: 384095

Ion Ratio Lower Upper

119 100

134 27.7 0.0 55.4

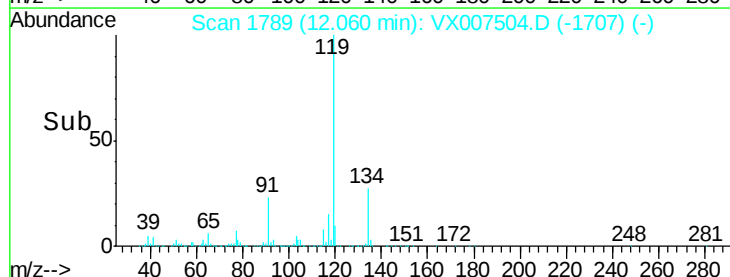
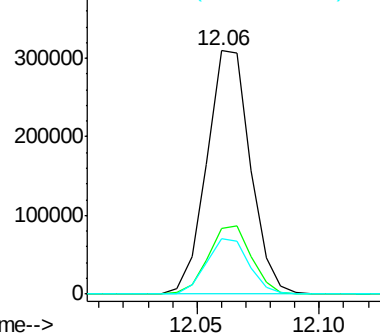
91 22.4 0.0 45.0

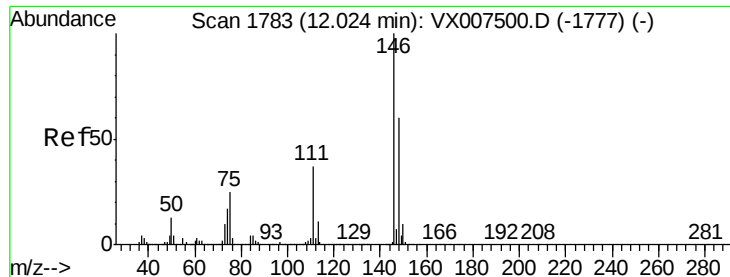


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





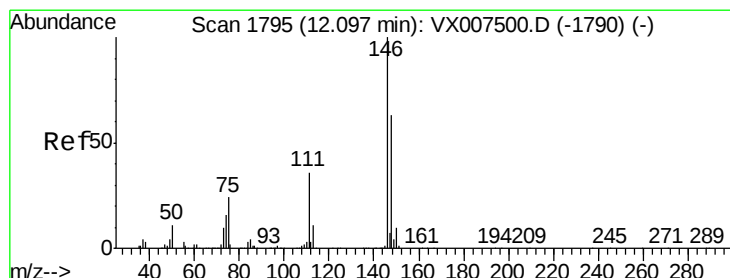
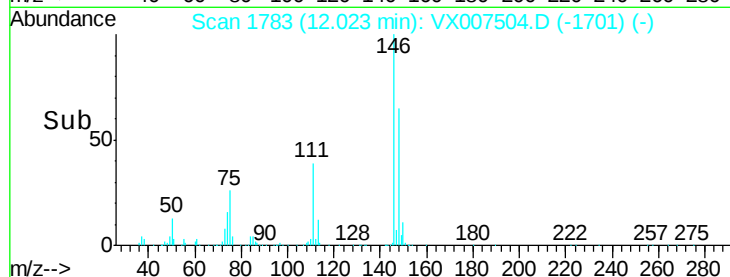
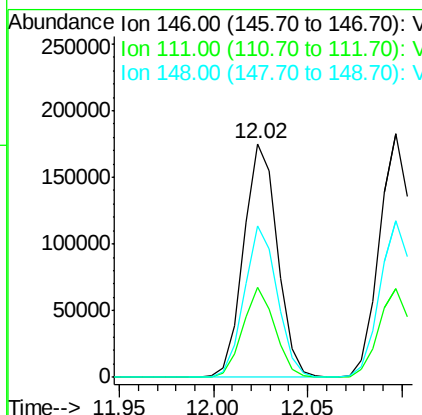
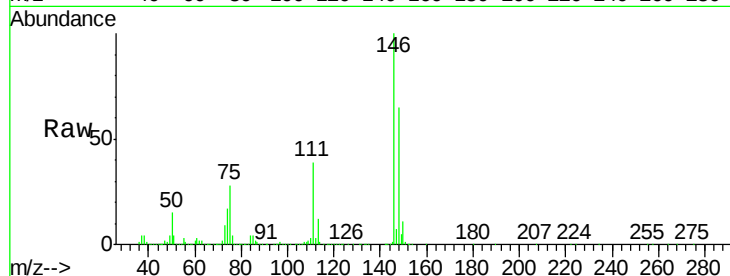
#83
 1,3-Dichlorobenzene
 Concen: 20.502 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX007504.D
 Acq: 13 Feb 2019 00:49

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX021319

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.8	56.3
148	63.6	30.6	91.8

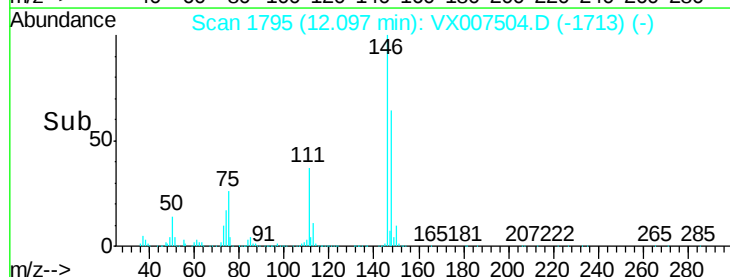
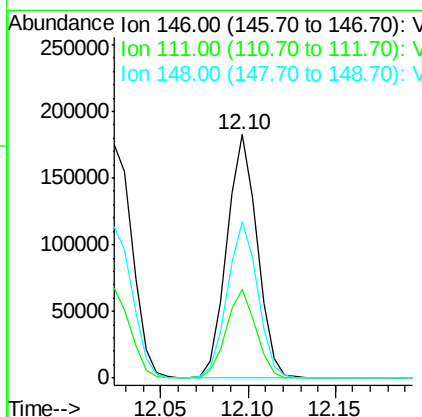
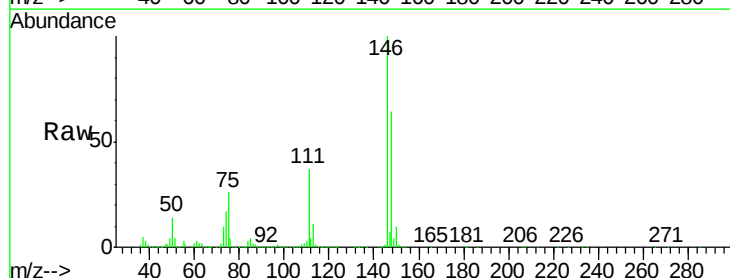
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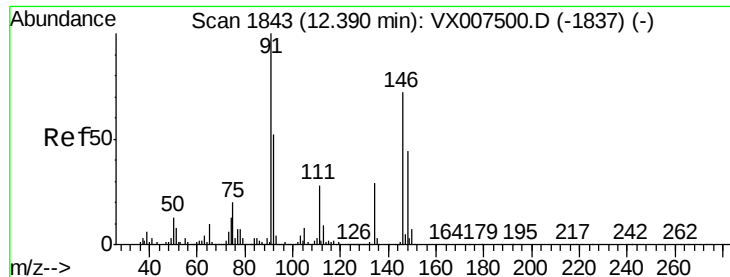
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#84
 1,4-Dichlorobenzene
 Concen: 20.780 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX007504.D
 Acq: 13 Feb 2019 00:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.8	17.6	52.8
148	64.3	31.4	94.2





#85

n-Butylbenzene

Concen: 19.768 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

Instrument :

MSVOA_X

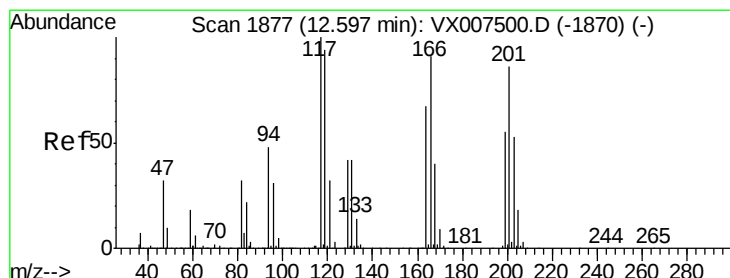
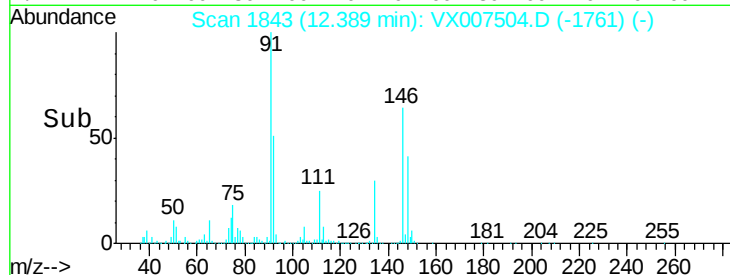
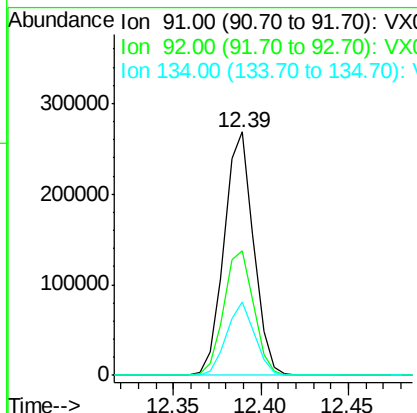
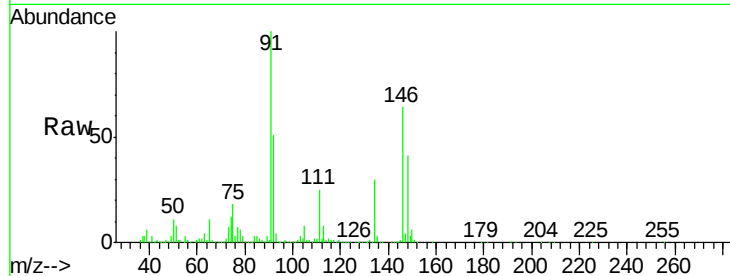
ClientSampleId :

ICVVX021319

Tot Ion:	91	Resp:	314537
Ion Ratio	Lower	Upper	
91	100		
92	52.2	0.0	105.2
134	28.7	0.0	56.4

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#86

Hexachloroethane

Concen: 19.389 ug/l

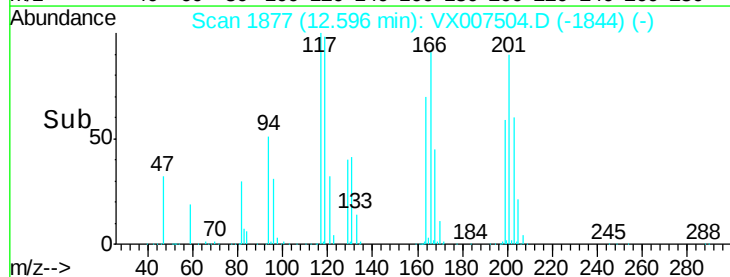
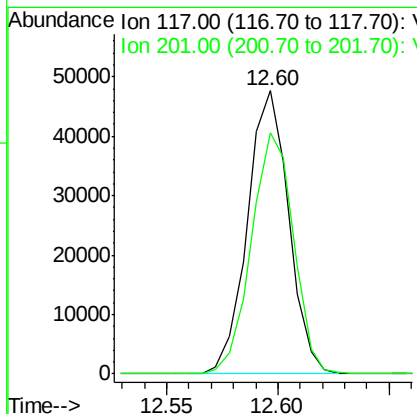
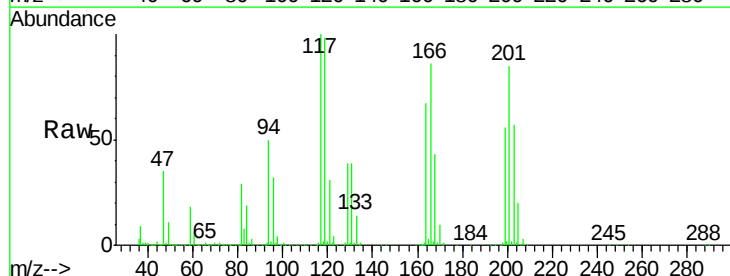
RT: 12.60 min Scan# 1877

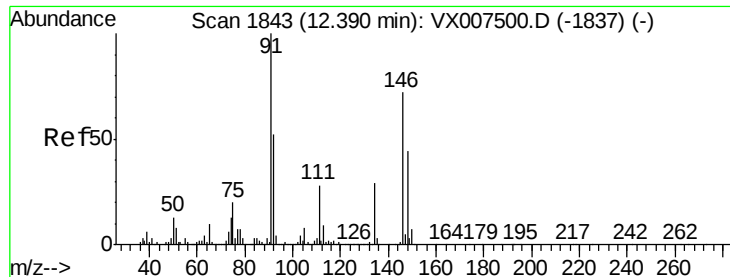
Delta R.T. -0.00 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

Tgt Ion:	117	Resp:	61725
Ion Ratio	Lower	Upper	
117	100		
201	86.8	41.1	123.3





#87

1,2-Dichlorobenzene

Concen: 20.693 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

Instrument :

MSVOA_X

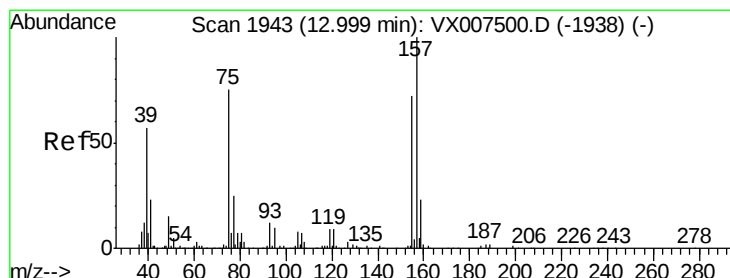
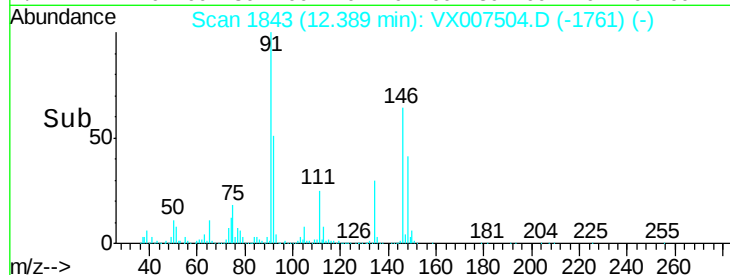
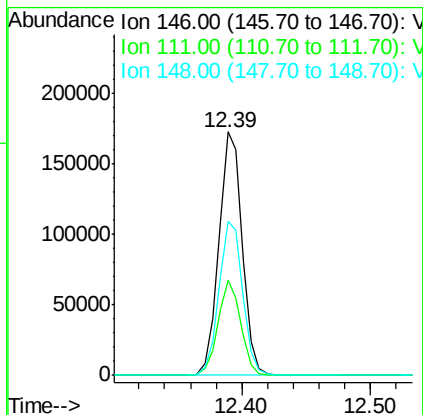
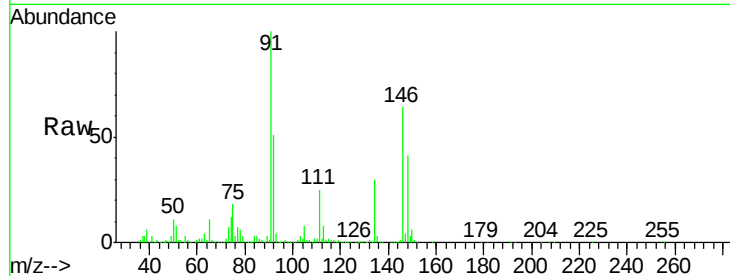
ClientSampleId :

ICVVX021319

Tot Ion:	146	Resp:	220519
Ion Ratio	Lower	Upper	
146	100		
111	37.7	19.3	57.8
148	64.4	32.1	96.3

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#88

1,2-Dibromo-3-Chloropropane

Concen: 20.453 ug/l

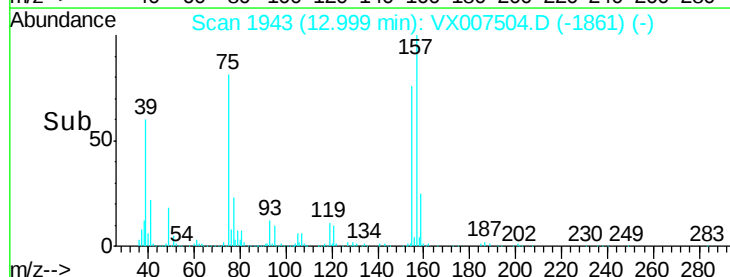
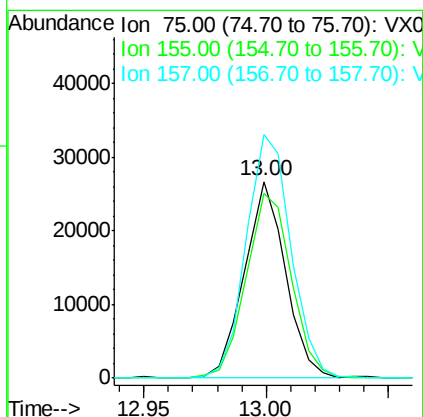
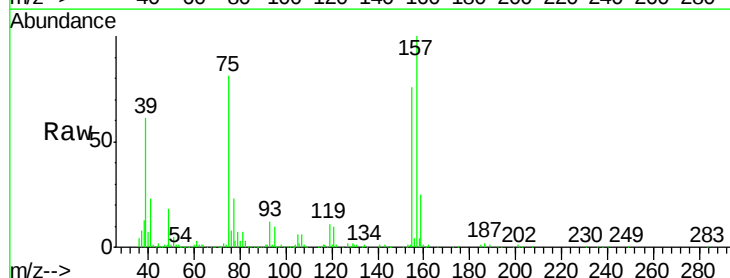
RT: 13.00 min Scan# 1943

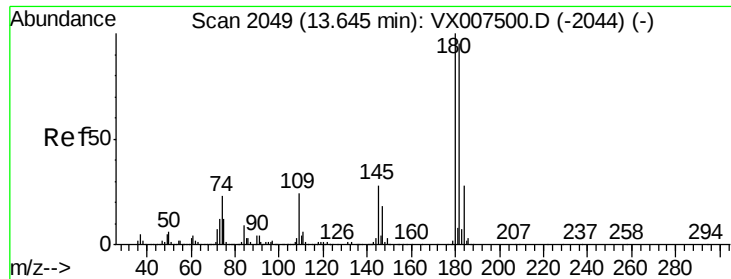
Delta R.T. -0.00 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

Tgt Ion:	75	Resp:	31213
Ion Ratio	Lower	Upper	
75	100		
155	103.2	81.0	121.6
157	134.8	103.2	154.8





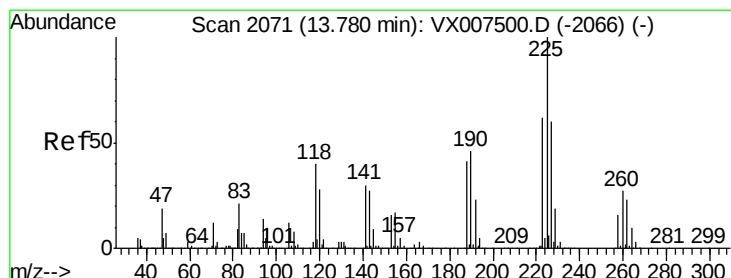
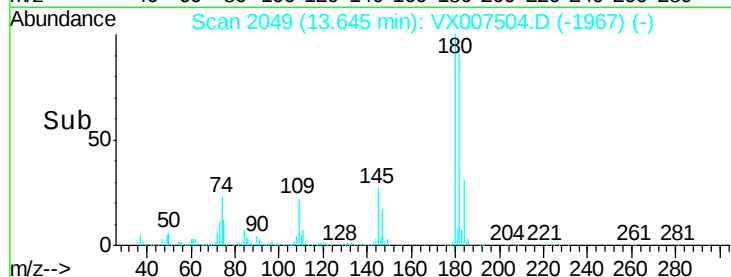
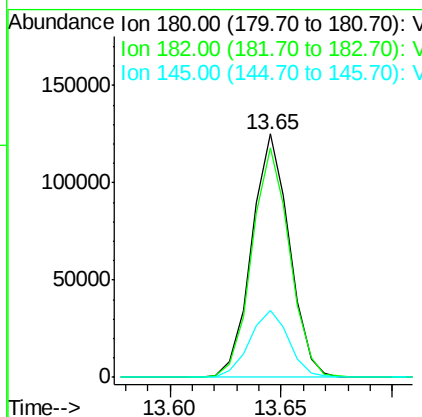
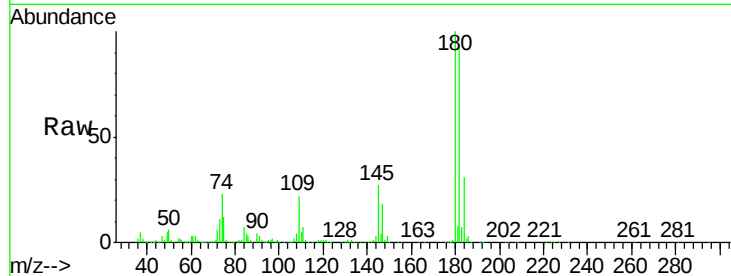
#89
 1,2,4-Trichlorobenzene
 Concen: 21.094 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX007504.D
 Acq: 13 Feb 2019 00:49

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX021319

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.6	113.4
145	28.7	23.0	34.6

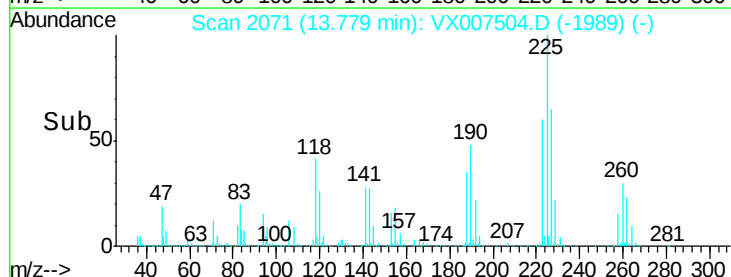
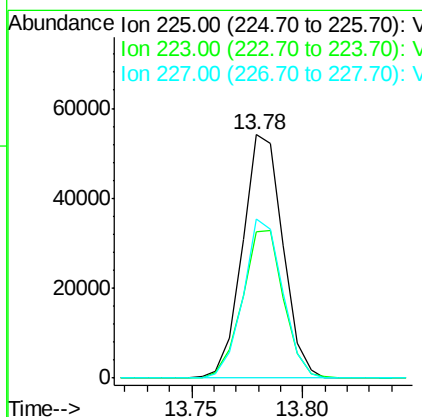
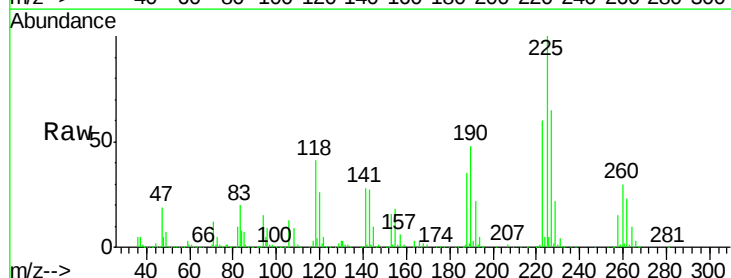
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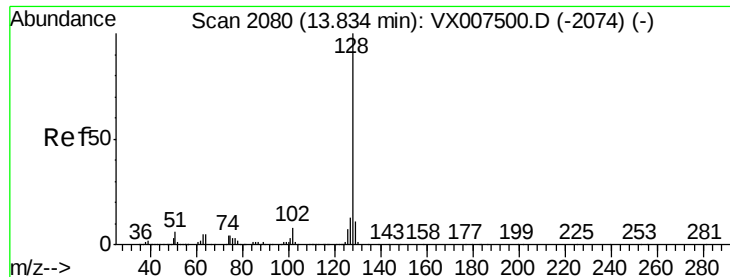
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#90
 Hexachlorobutadiene
 Concen: 20.895 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX007504.D
 Acq: 13 Feb 2019 00:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	0.0	123.8
227	64.0	0.0	124.4





#91

Naphthalene

Concen: 21.364 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

Instrument :

MSVOA_X

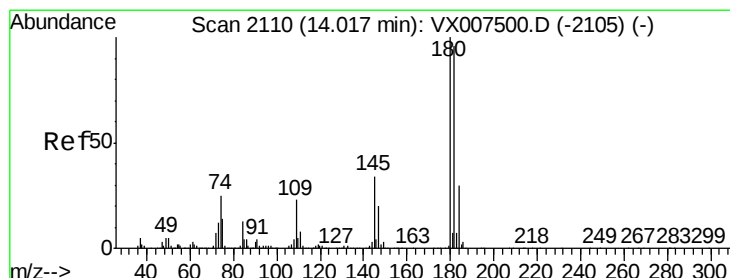
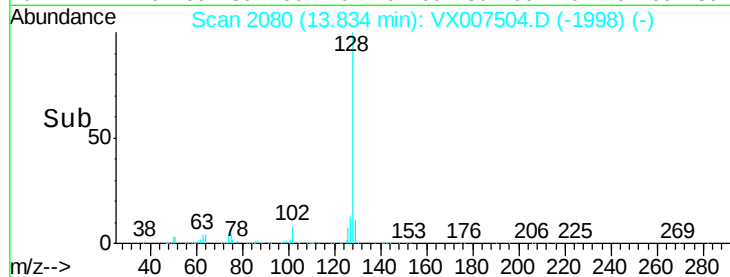
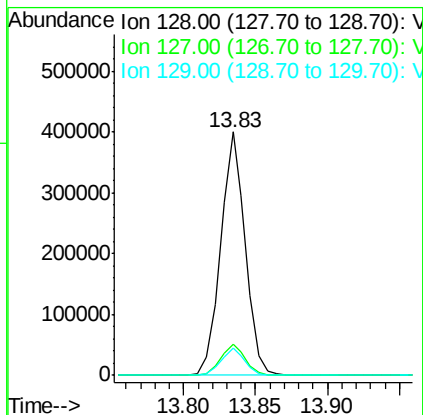
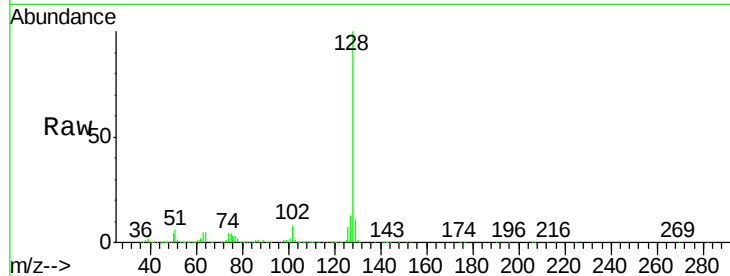
ClientSampleId :

ICVVX021319

Tot Ion:	128	Resp:	476901
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.5	15.7
129	10.8	8.9	13.3

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#92

1,2,3-Trichlorobenzene

Concen: 21.045 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX007504.D

Acq: 13 Feb 2019 00:49

Tgt Ion:	180	Resp:	149735
Ion Ratio	Lower	Upper	
180	100		
182	94.8	0.0	193.0
145	30.5	0.0	63.0

