

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011119\
 Data File : VX007013.D
 Acq On : 11 Jan 2019 15:03
 Operator : JC/SP
 Sample : VX0111WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0111WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/14/2019 10:40:47 AM

Quant Time: Jan 11 22:26:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	532308	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	813862	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	728364	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	368239	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	281085	50.53	ug/l	0.00
Spiked Amount			Recovery	=	101.06%	
35) Dibromofluoromethane	5.50	113	247409	47.47	ug/l	0.00
Spiked Amount			Recovery	=	94.94%	
50) Toluene-d8	8.71	98	924632	48.47	ug/l	0.00
Spiked Amount			Recovery	=	96.94%	
62) 4-Bromofluorobenzene	11.14	95	322624	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	97513	22.308	ug/l	98
3) Chloromethane	1.33	50	109520	21.522	ug/l	97
4) Vinyl Chloride	1.41	62	116389	21.262	ug/l	95
5) Bromomethane	1.64	94	120208	20.554	ug/l	99
6) Chloroethane	1.72	64	76089	19.907	ug/l	98
7) Trichlorofluoromethane	1.93	101	179890	20.339	ug/l	96
8) Diethyl Ether	2.19	74	72889	20.714	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	104631	19.759	ug/l	98
10) Methyl Iodide	2.51	142	158017	22.122	ug/l	99
11) Tert butyl alcohol	3.07	59	138671	105.671	ug/l	100
12) 1,1-Dichloroethene	2.37	96	100401	20.522	ug/l	99
13) Acrolein	2.30	56	44458	80.667	ug/l	94
14) Allyl chloride	2.73	41	169730	20.243	ug/l	98
15) Acrylonitrile	3.15	53	315559	104.748	ug/l	99
16) Acetone	2.45	43	274841	99.935	ug/l	100
17) Carbon Disulfide	2.57	76	209767	16.654	ug/l	100
18) Methyl Acetate	2.78	43	168402	21.144	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	356266	20.981	ug/l	98
20) Methylene Chloride	2.86	84	116226	21.901	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	108098	19.827	ug/l	97
22) Diisopropyl ether	3.87	45	326942	20.741	ug/l	95
23) Vinyl Acetate	3.82	43	1329320	100.001	ug/l	98
24) 1,1-Dichloroethane	3.70	63	180299	20.456	ug/l	98
25) 2-Butanone	4.70	43	407217	103.482	ug/l	97
26) 2,2-Dichloropropane	4.59	77	120761	17.818	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	120204	19.989	ug/l	99
28) Bromochloromethane	5.03	49	77669	20.113	ug/l	96
29) Tetrahydrofuran	5.15	42	267122	104.452	ug/l	97
30) Chloroform	5.22	83	189215	20.504	ug/l	99
31) Cyclohexane	5.58	56	157954	20.135	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	153332	19.603	ug/l	97
36) 1,1-Dichloropropene	5.80	75	134413	18.996	ug/l	100
37) Ethyl Acetate	4.86	43	153213	20.197	ug/l	99
38) Carbon Tetrachloride	5.79	117	128168	18.003	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	166179	18.422	ug/l	99
40) Benzene	6.14	78	428960	19.868	ug/l	97
41) Methacrylonitrile	5.06	41	82467	18.871	ug/l	98
42) 1,2-Dichloroethane	6.20	62	147839	19.815	ug/l	99
43) Isopropyl Acetate	6.46	43	234348	19.585	ug/l	100
44) Trichloroethene	7.21	130	122720	18.968	ug/l	99
45) 1,2-Dichloropropane	7.52	63	107560	19.816	ug/l	100
46) Dibromomethane	7.66	93	76024	19.929	ug/l	98
47) Bromodichloromethane	7.90	83	121821	18.761	ug/l	95
48) Methyl methacrylate	7.77	41	122714	19.970	ug/l	97
49) 1,4-Dioxane	7.75	88	56465	397.198	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	797364	103.689	ug/l	99
52) Toluene	8.79	92	271157	19.540	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	131057	18.202	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	148608	18.689	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	117701	21.190	ug/l	98
56) Ethyl methacrylate	9.18	69	168076	20.728	ug/l	96
57) 1,3-Dichloropropane	9.37	76	183944	20.214	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	418943	100.486	ug/l	100
59) 2-Hexanone	9.49	43	601139	102.580	ug/l	98
60) Dibromochloromethane	9.59	129	101203	18.764	ug/l	97
61) 1,2-Dibromoethane	9.67	107	122329	20.005	ug/l	99
64) Tetrachloroethene	9.34	164	131546	20.861	ug/l	98
65) Chlorobenzene	10.14	112	317428	19.982	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	106443	19.918	ug/l	98
67) Ethyl Benzene	10.25	91	516766	19.704	ug/l	99
68) m/p-Xylenes	10.36	106	414685	40.134	ug/l	99
69) o-Xylene	10.70	106	202319	20.078	ug/l	97
70) Styrene	10.71	104	320987	20.112	ug/l	99
71) Bromoform	10.86	173	70533	18.085	ug/l #	100
73) Isopropylbenzene	11.02	105	532619	20.512	ug/l	99
74) N-amyl acetate	10.90	43	210299	20.116	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	163953	19.889	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	151590m	20.314	ug/l	
77) Bromobenzene	11.26	156	146513	20.478	ug/l	98
78) n-propylbenzene	11.36	91	587210	20.600	ug/l	99
79) 2-Chlorotoluene	11.42	91	347823	20.271	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	435246	20.061	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	35135	16.917	ug/l #	86
82) 4-Chlorotoluene	11.51	91	402724	20.271	ug/l	100
83) tert-Butylbenzene	11.77	119	425375	19.650	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	447370	20.505	ug/l	99
85) sec-Butylbenzene	11.94	105	534408	20.671	ug/l	100
86) p-Isopropyltoluene	12.06	119	470458	20.345	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	255799	19.781	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	256292	21.002	ug/l	99
89) n-Butylbenzene	12.39	91	393694	19.971	ug/l	99
90) Hexachloroethane	12.60	117	62070	18.744	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	255967	20.057	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	30626	18.785	ug/l	97

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ClientSampleId :
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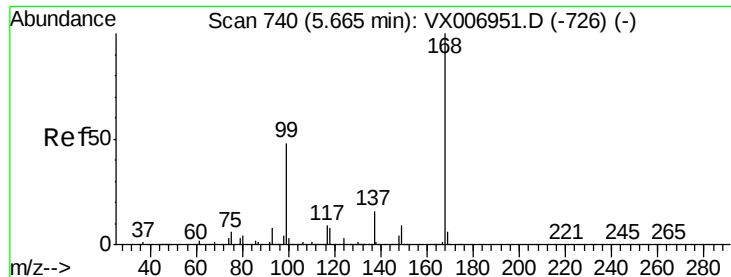
Manual Integrations
APPROVED

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1/14/2019 10:40:47 AM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	168985	19.300	ug/l	98
94) Hexachlorobutadiene	13.78	225	77491	19.944	ug/l	99
95) Naphthalene	13.83	128	527053	19.865	ug/l	98
96) 1,2,3-Trichlorobenzene	14.02	180	173524	19.951	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007013.D

Acq: 11 Jan 2019 15:03

Instrument :

MSVOA_X

ClientSampleId :

VX0111WBS01

Tot Ion:168 Resp: 532308

Ion Ratio Lower Upper

168 100

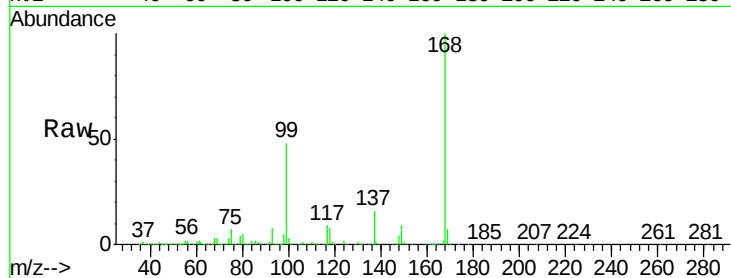
99 47.4 41.8 62.8

Manual Integrations

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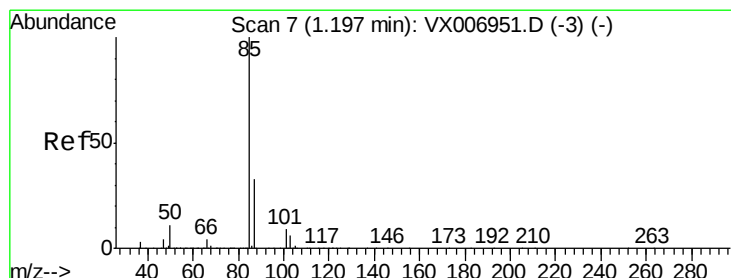
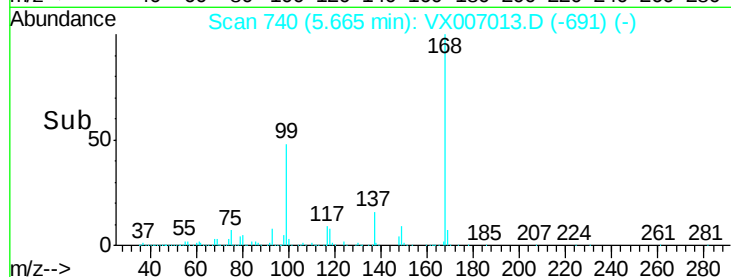
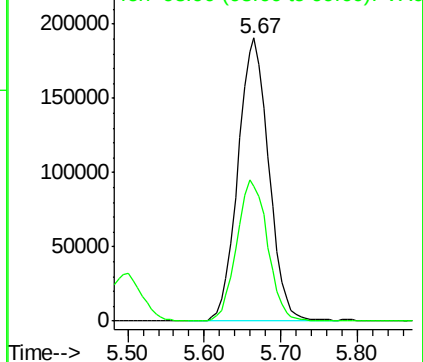
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 22.308 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX007013.D

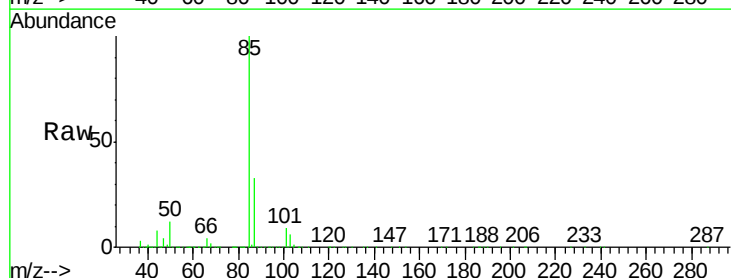
Acq: 11 Jan 2019 15:03

Tgt Ion: 85 Resp: 97513

Ion Ratio Lower Upper

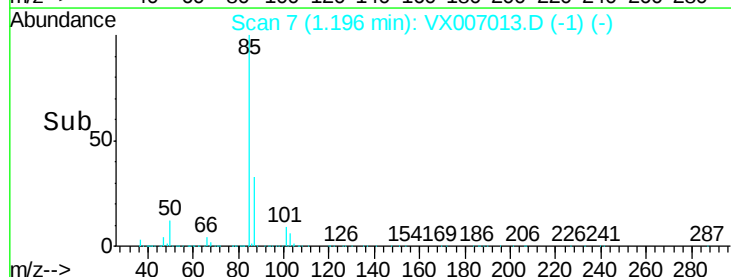
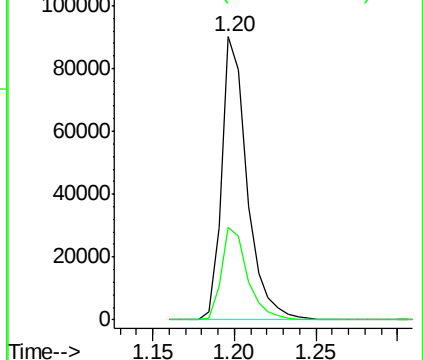
85 100

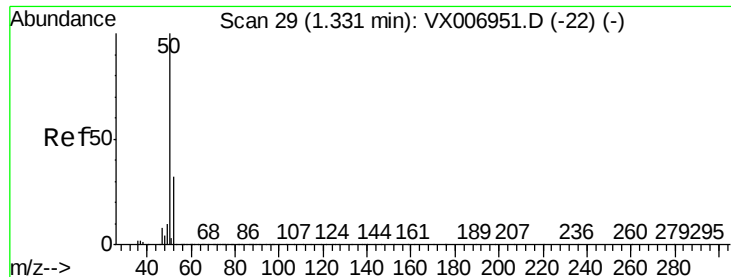
87 32.9 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 21.522 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007013.D

Acq: 11 Jan 2019 15:03

Instrument :

MSVOA_X

ClientSampleId :

VX0111WBS01

Tot Ion: 50 Resp: 109520

Ion Ratio Lower Upper

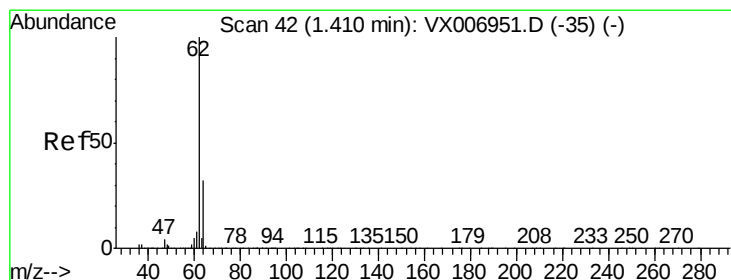
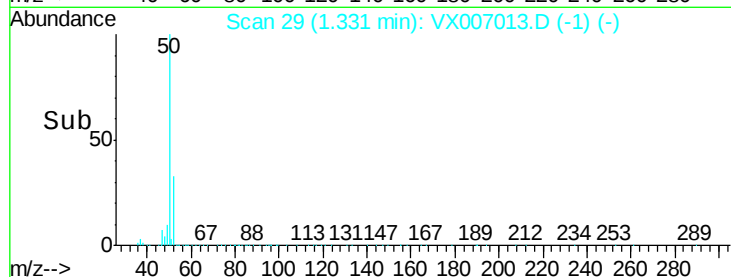
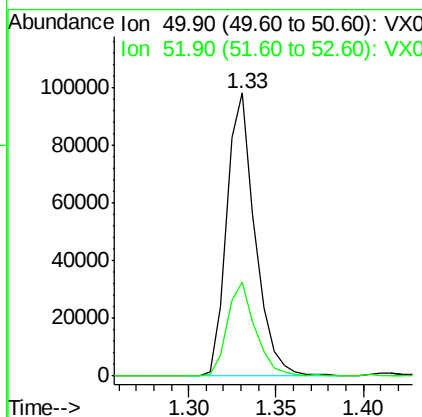
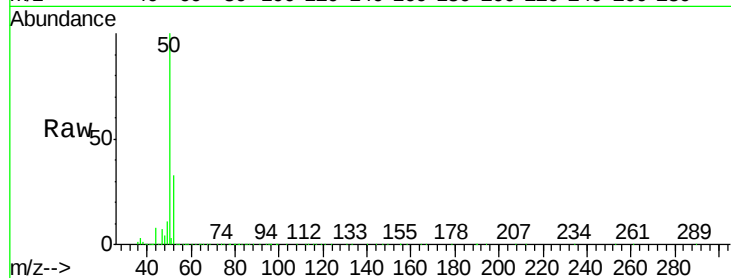
50 100

52 33.2 25.4 38.2

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#4

Vinyl Chloride

Concen: 21.262 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007013.D

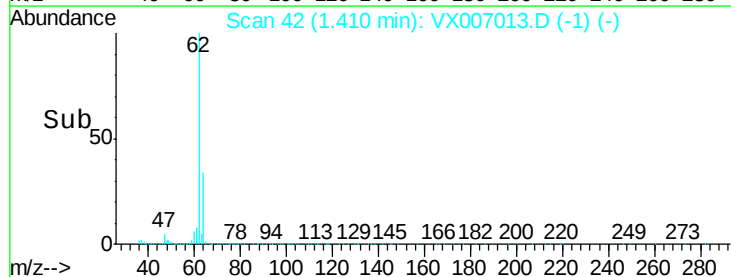
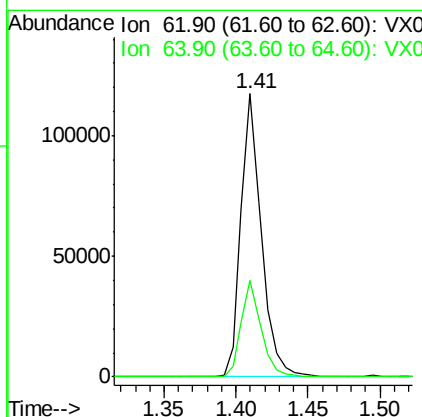
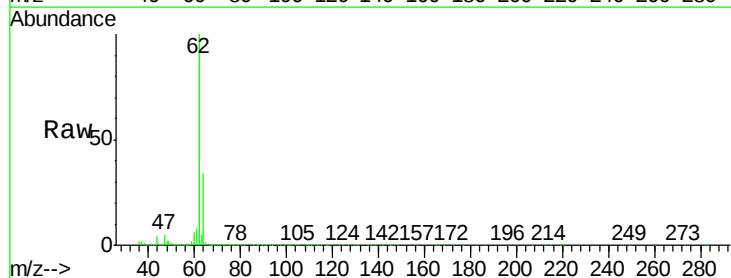
Acq: 11 Jan 2019 15:03

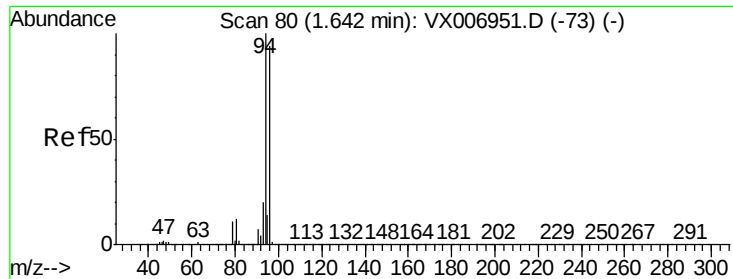
Tgt Ion: 62 Resp: 116389

Ion Ratio Lower Upper

62 100

64 34.1 25.1 37.7





#5

Bromomethane

Concen: 20.554 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX007013.D

Acq: 11 Jan 2019 15:03

Instrument :

MSVOA_X

ClientSampleId :

VX0111WBS01

Tot Ion: 94 Resp: 120208

Ion Ratio Lower Upper

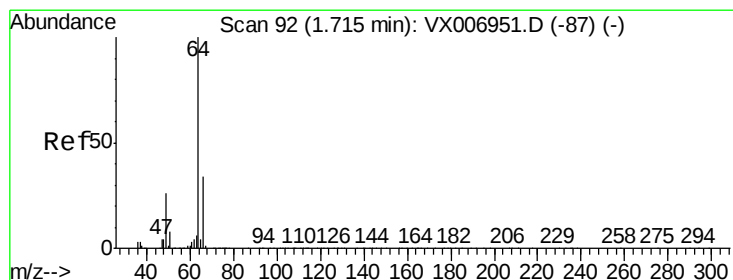
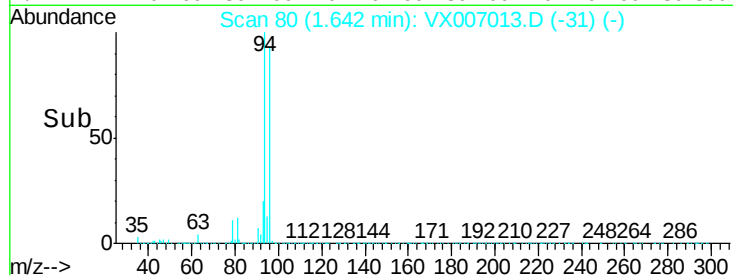
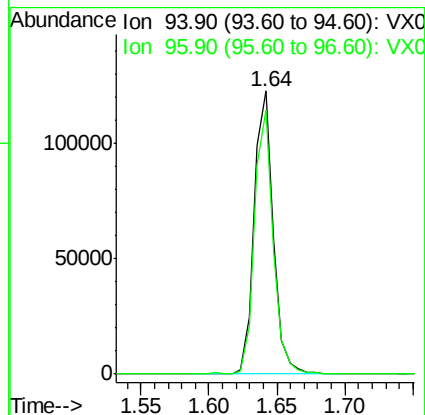
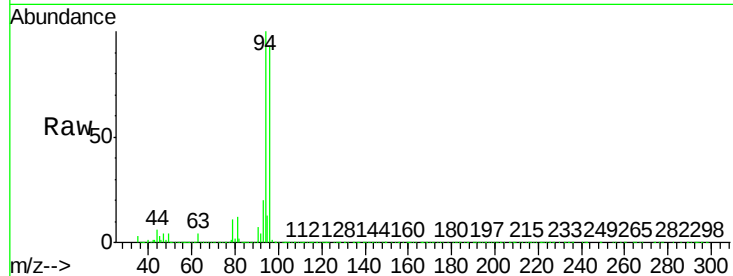
94 100

96 93.2 73.4 110.2

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#6

Chloroethane

Concen: 19.907 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX007013.D

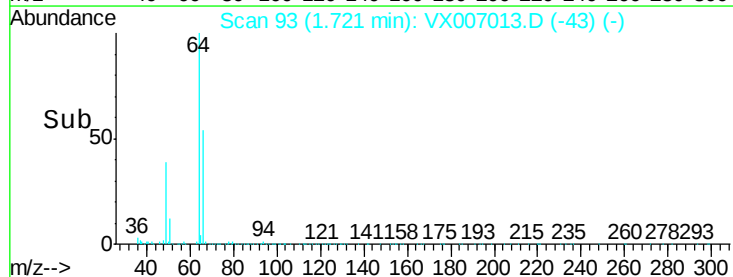
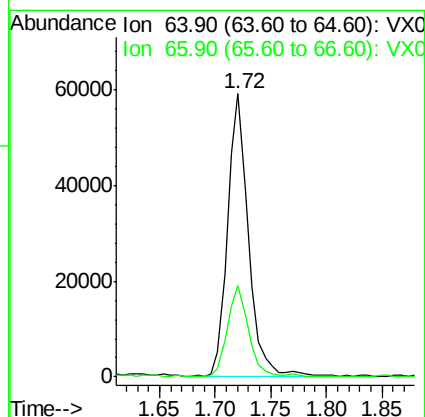
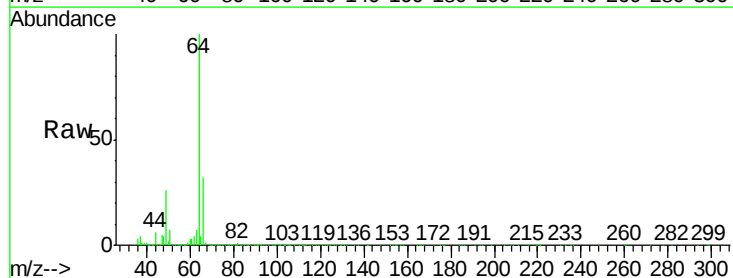
Acq: 11 Jan 2019 15:03

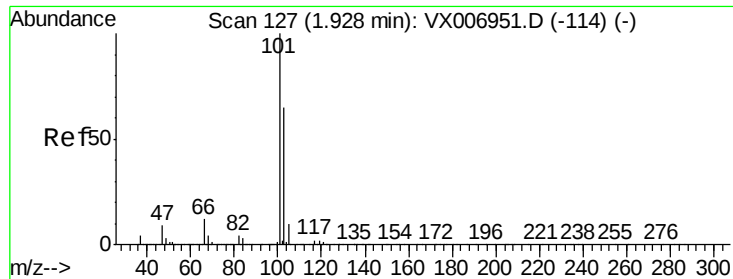
Tgt Ion: 64 Resp: 76089

Ion Ratio Lower Upper

64 100

66 32.0 26.4 39.6





#7

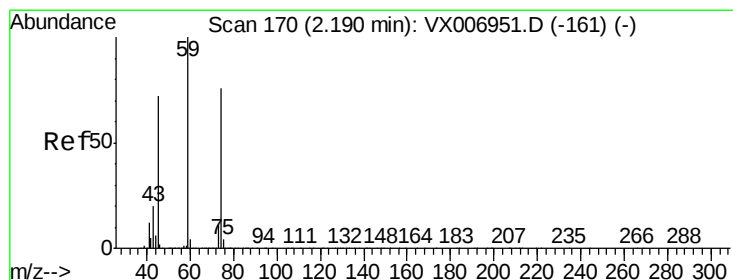
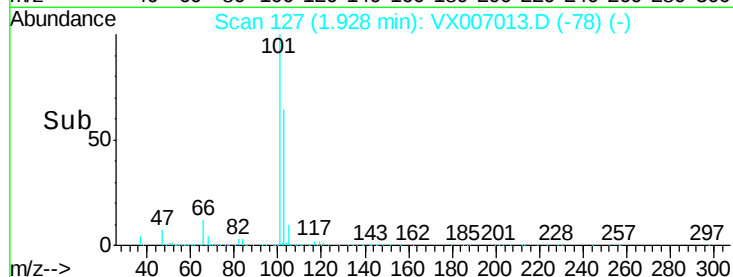
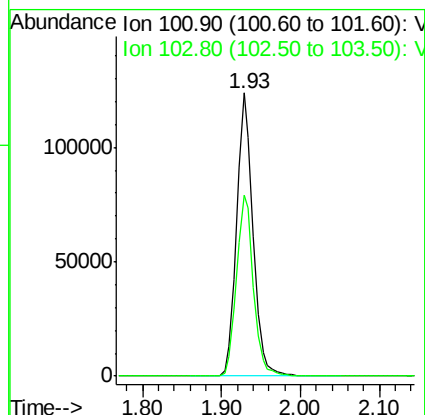
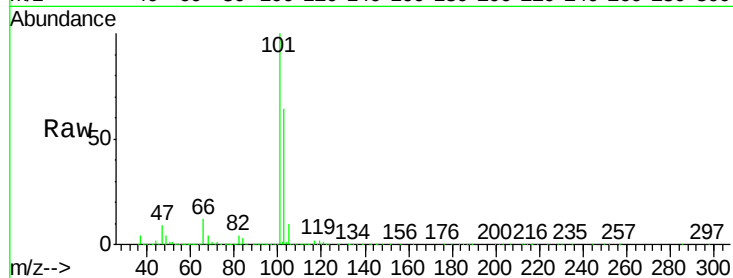
Trichlorofluoromethane
Concen: 20.339 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX007013.D
Acq: 11 Jan 2019 15:03

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ClientSampleId :
VX0111WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	53.2	79.8

Manual Integrations
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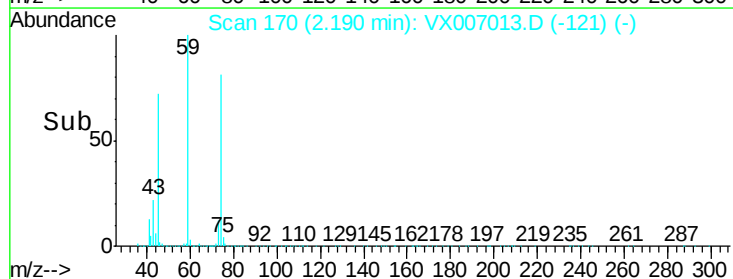
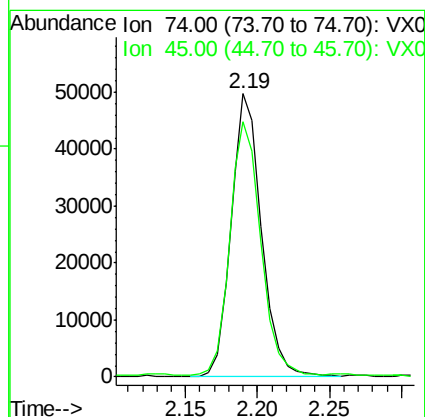
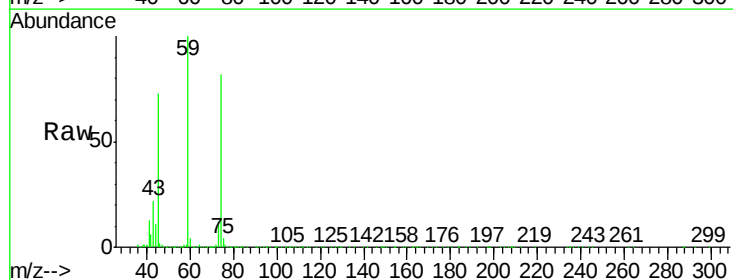
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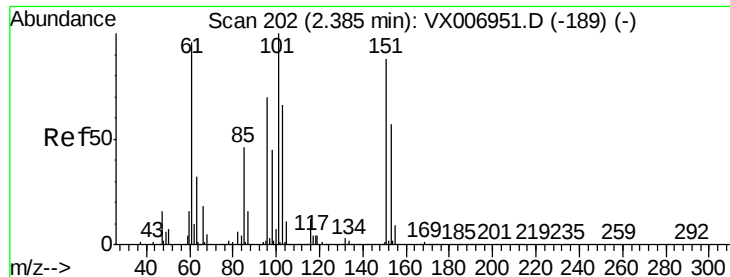


#8

Diethyl Ether
Concen: 20.714 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX007013.D
Acq: 11 Jan 2019 15:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.3	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.759 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX007013.D

Acq: 11 Jan 2019 15:03

Instrument :

MSVOA_X

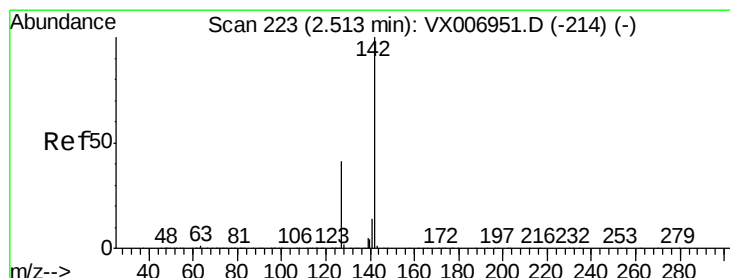
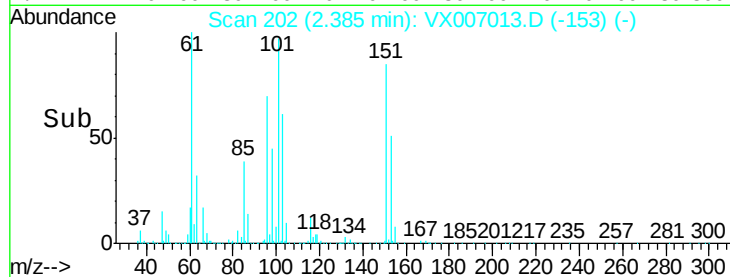
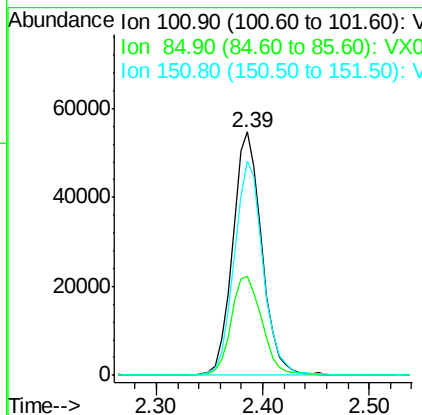
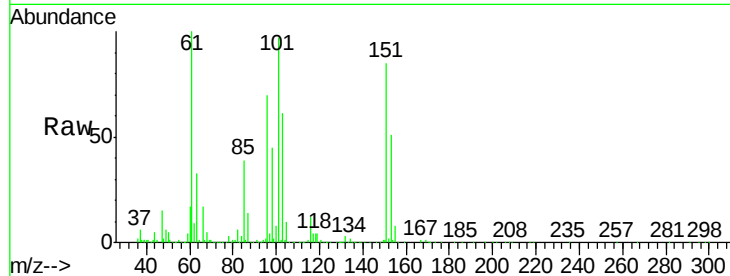
ClientSampleId :

VX0111WBS01

Tot Ion:	101	Resp:	104631
Ion Ratio	Lower	Upper	
101	100		
85	43.4	35.1	52.7
151	88.0	68.9	103.3

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#10

Methyl Iodide

Concen: 22.122 ug/l

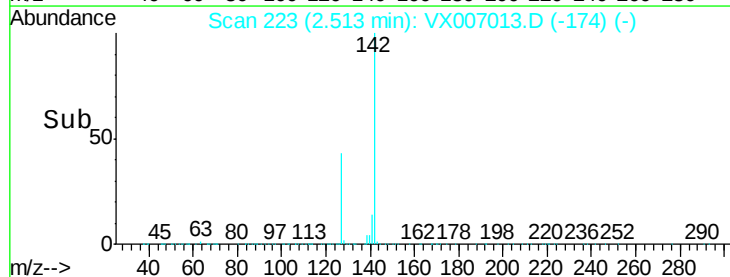
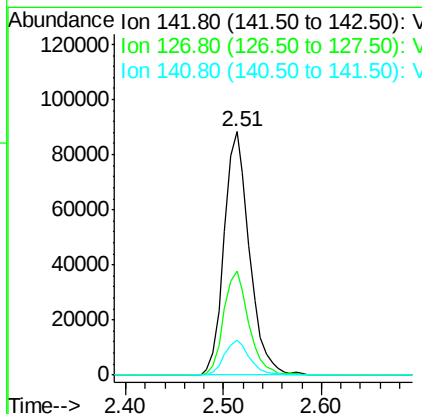
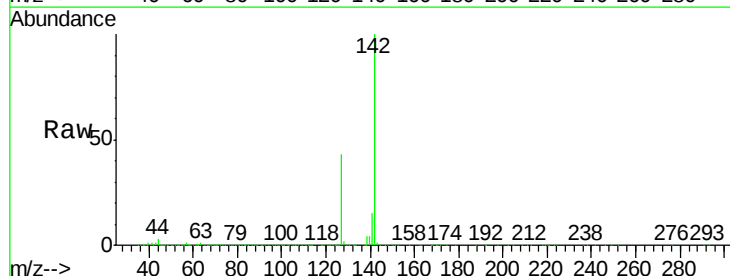
RT: 2.51 min Scan# 223

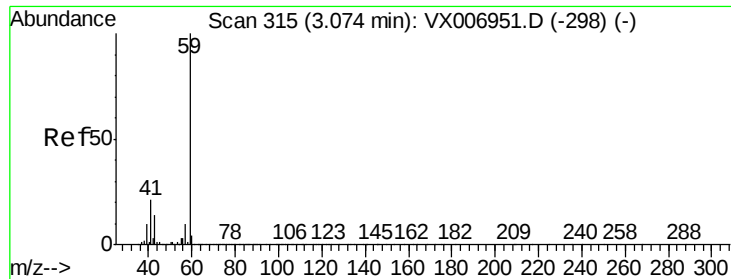
Delta R.T. -0.00 min

Lab File: VX007013.D

Acq: 11 Jan 2019 15:03

Tgt Ion:	142	Resp:	158017
Ion Ratio	Lower	Upper	
142	100		
127	43.0	33.9	50.9
141	14.3	11.4	17.0





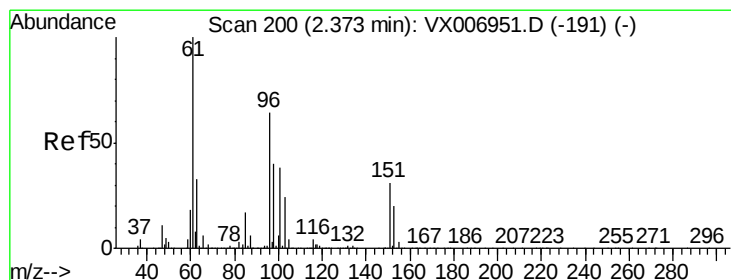
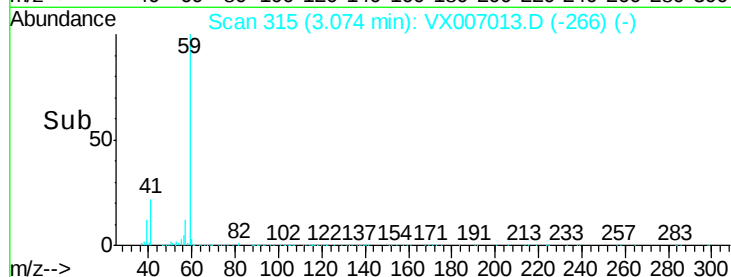
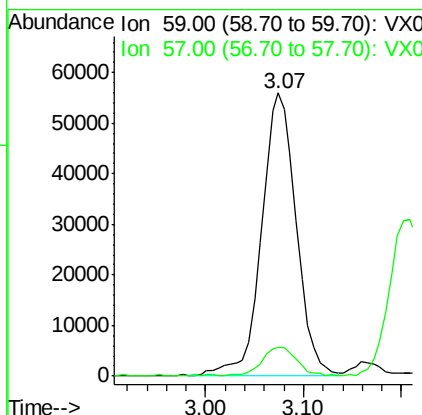
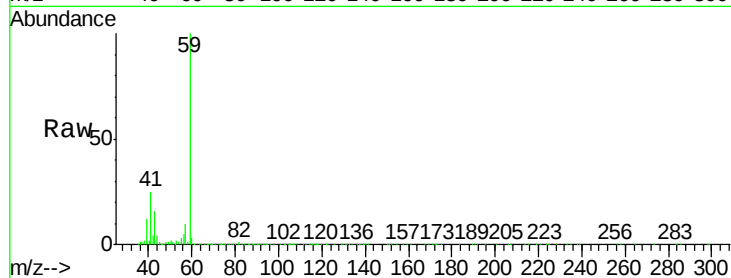
#11
Tert butyl alcohol
Concen: 105.671 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.00 min
Lab File: VX007013.D
Acq: 11 Jan 2019 15:03

Instrument :
MSVOA_X
ClientSampleId :
VX0111WBS01

Tot Ion: 59 Resp: 138671
Ion Ratio Lower Upper
59 100
57 10.6 8.5 12.7

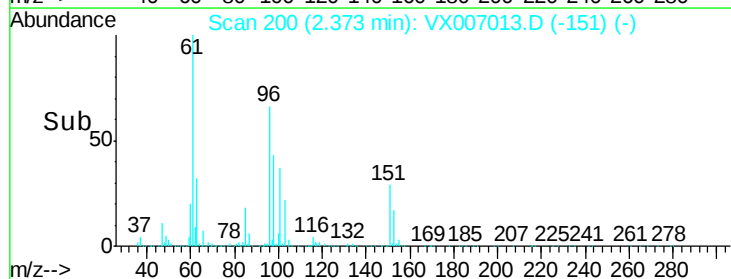
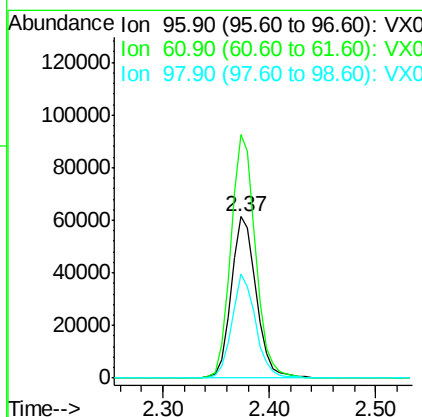
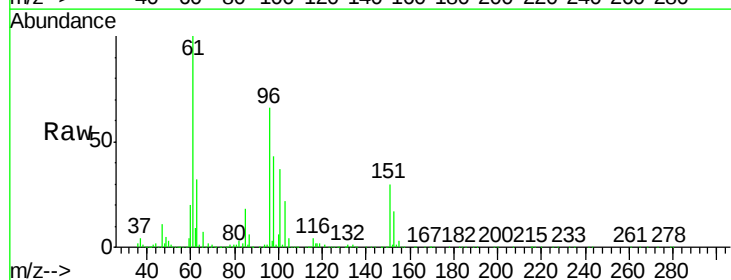
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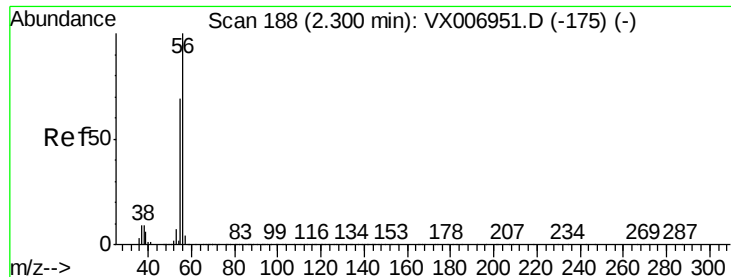
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.522 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX007013.D
Acq: 11 Jan 2019 15:03

Tgt Ion: 96 Resp: 100401
Ion Ratio Lower Upper
96 100
61 151.1 121.4 182.2
98 64.4 51.9 77.9





#13

Acrolein

Concen: 80.667 ug/l

RT: 2.30 min Scan# 188

Delta R.T. -0.00 min

Lab File: VX007013.D

Acq: 11 Jan 2019 15:03

Instrument :

MSVOA_X

ClientSampleId :

VX0111WBS01

Tot Ion: 56 Resp: 44458

Ion Ratio Lower Upper

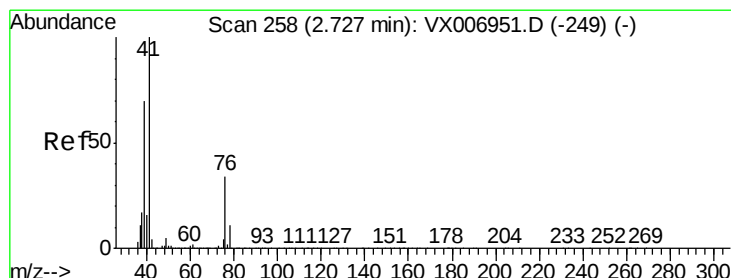
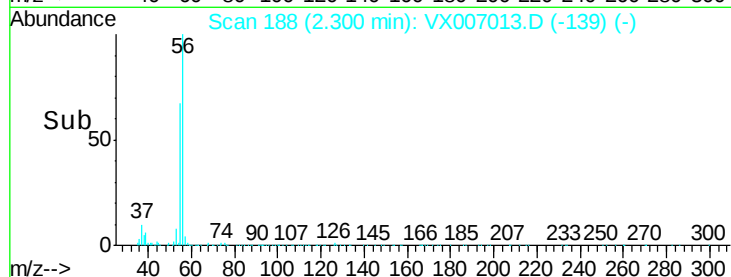
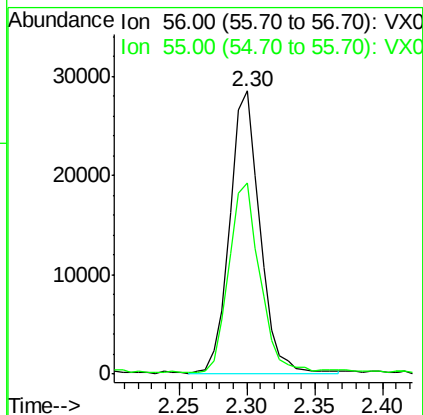
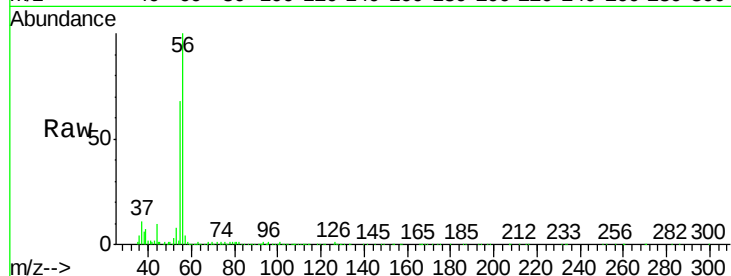
56 100

55 67.4 58.2 87.4

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#14

Allyl chloride

Concen: 20.243 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX007013.D

Acq: 11 Jan 2019 15:03

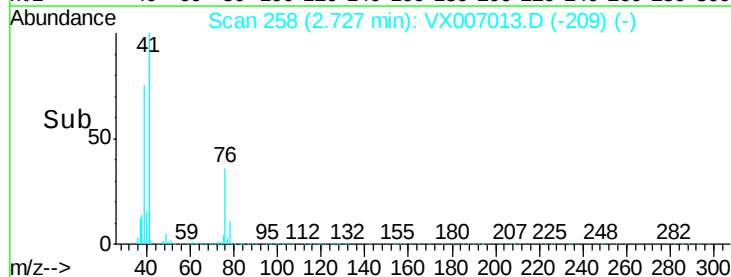
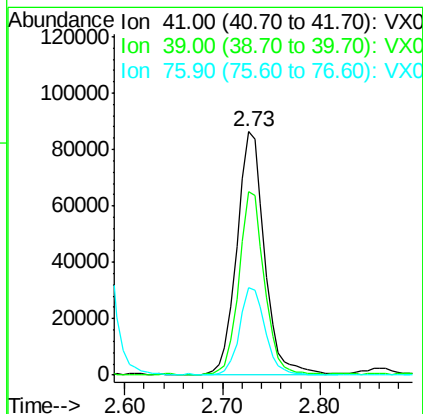
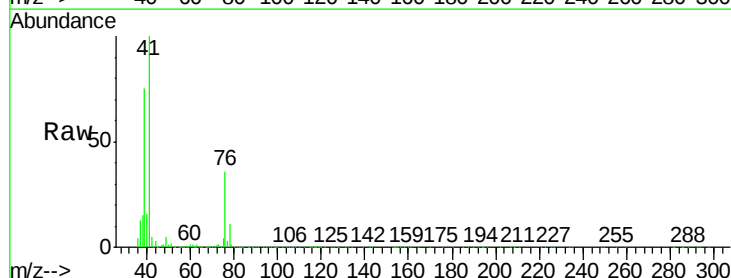
Tgt Ion: 41 Resp: 169730

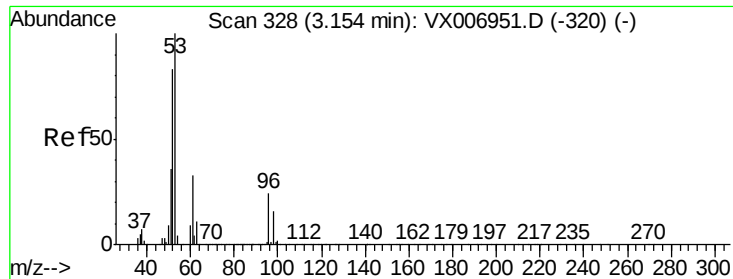
Ion Ratio Lower Upper

41 100

39 68.5 53.6 80.4

76 33.0 27.4 41.2





#15

Acrylonitrile

Concen: 104.748 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX007013.D

Acq: 11 Jan 2019 15:03

Instrument :

MSVOA_X

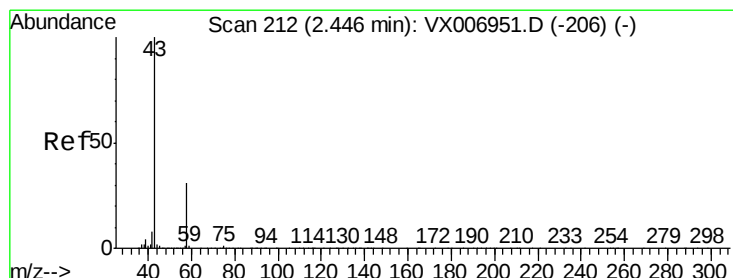
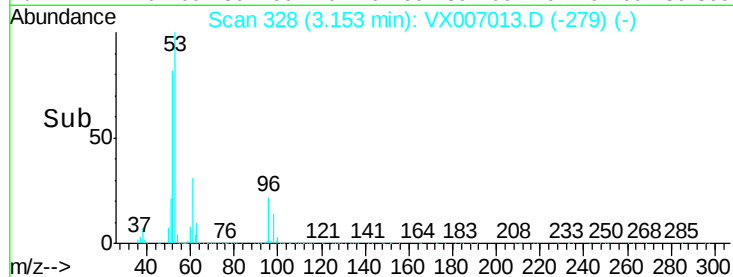
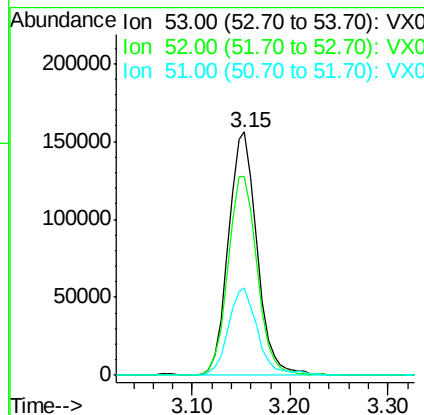
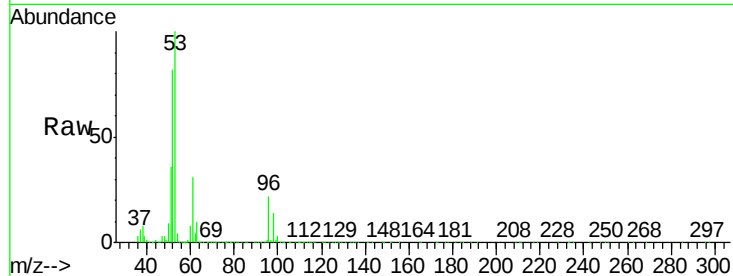
ClientSampleId :

VX0111WBS01

Tot Ion:	53	Resp:	315559
Ion Ratio		Lower	Upper
53	100		
52	83.9	66.0	99.0
51	36.3	28.6	42.8

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#16

Acetone

Concen: 99.935 ug/l

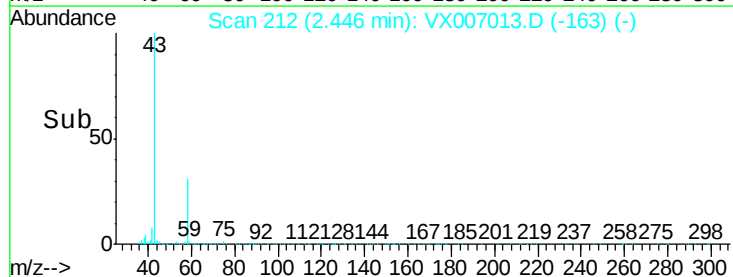
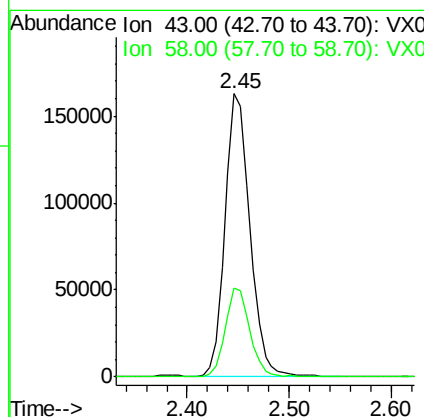
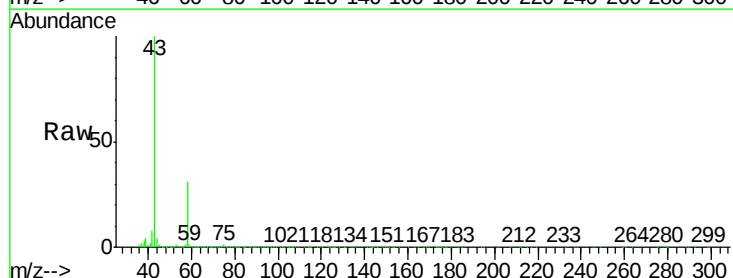
RT: 2.45 min Scan# 212

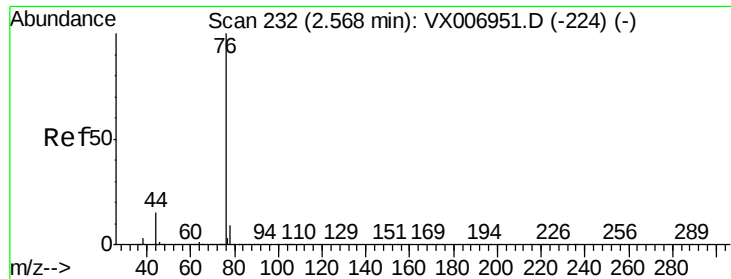
Delta R.T. -0.00 min

Lab File: VX007013.D

Acq: 11 Jan 2019 15:03

Tgt Ion:	43	Resp:	274841
Ion Ratio		Lower	Upper
43	100		
58	31.2	25.0	37.6





#17

Carbon Disulfide

Concen: 16.654 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX007013.D

Acq: 11 Jan 2019 15:03

Instrument :

MSVOA_X

ClientSampleId :

VX0111WBS01

Tot Ion: 76 Resp: 209767

Ion Ratio Lower Upper

76 100

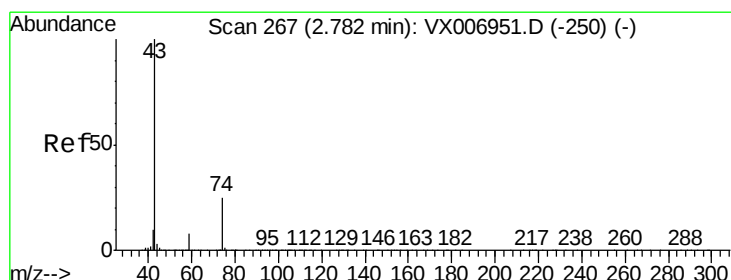
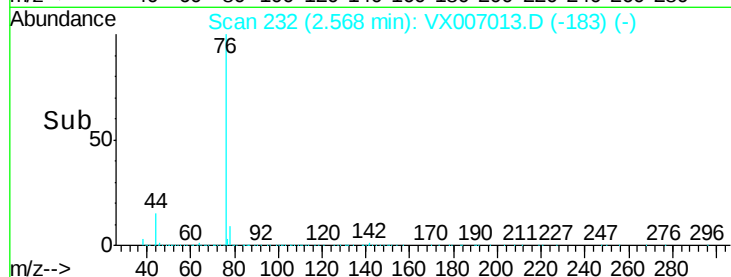
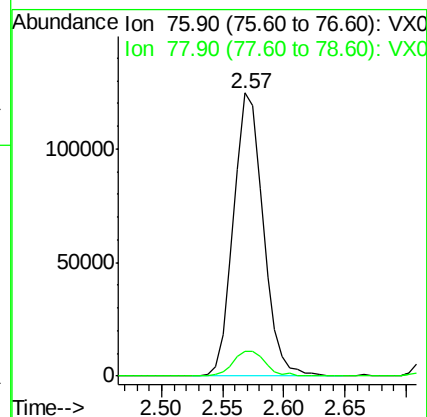
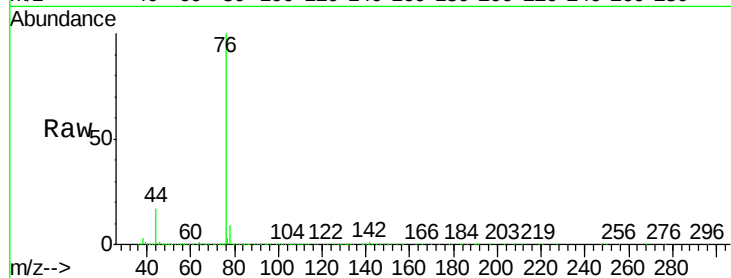
78 8.9 7.0 10.6

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#18

Methyl Acetate

Concen: 21.144 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX007013.D

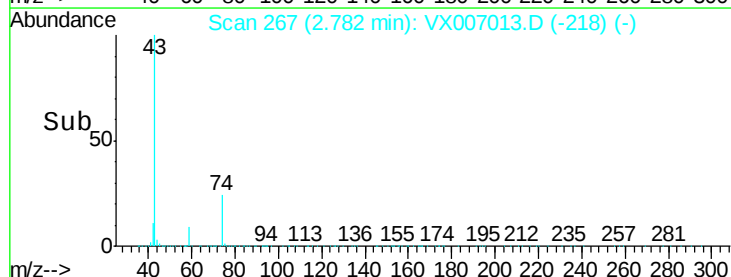
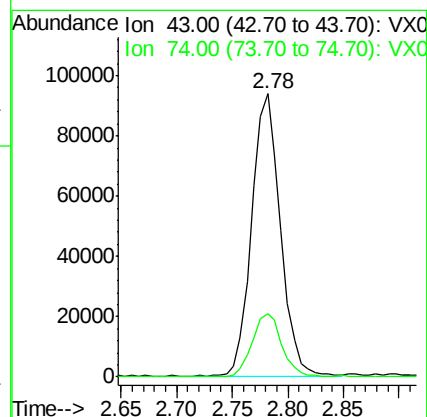
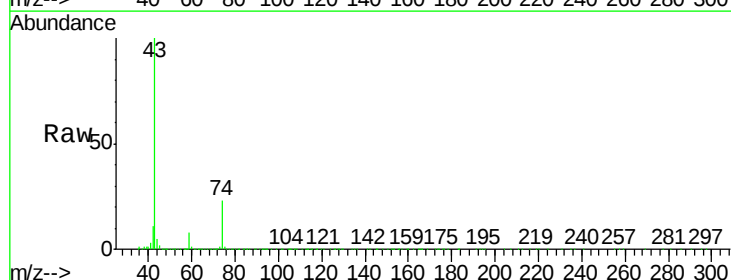
Acq: 11 Jan 2019 15:03

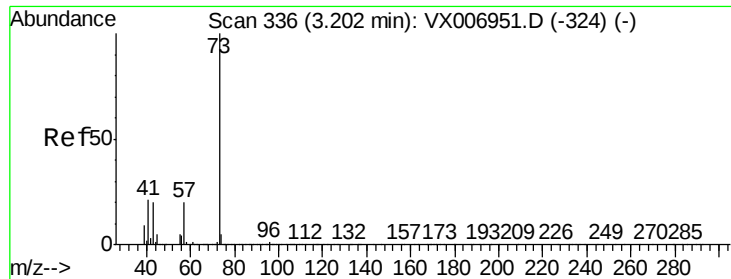
Tgt Ion: 43 Resp: 168402

Ion Ratio Lower Upper

43 100

74 22.6 18.6 28.0





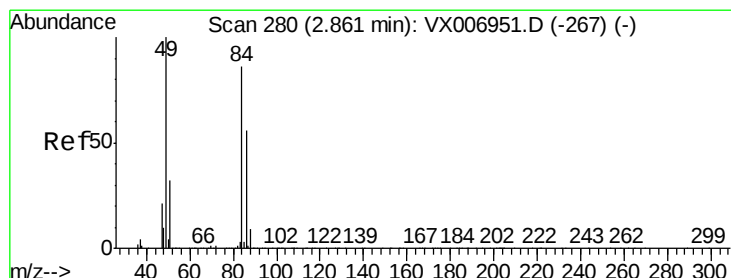
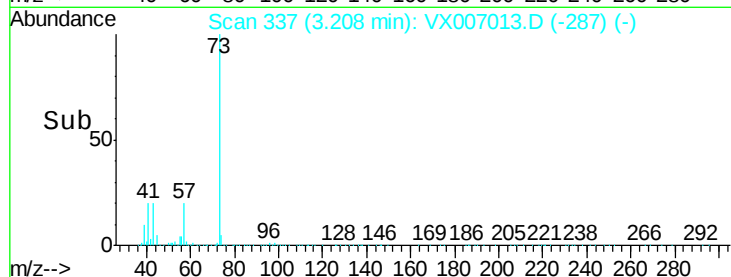
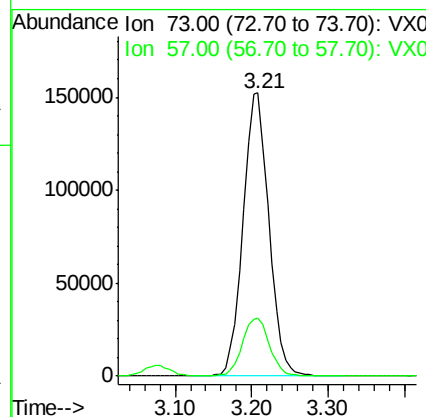
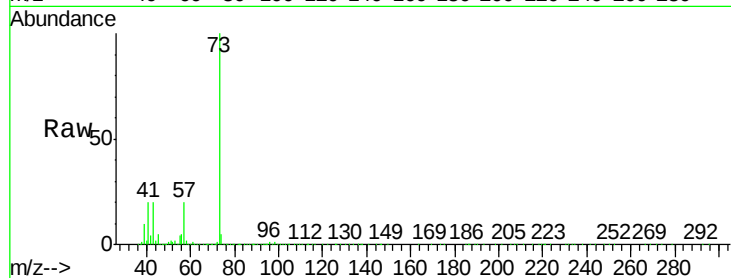
#19
Methvl tert-butvl Ether
Concen: 20.981 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX007013.D
Acq: 11 Jan 2019 15:03

Instrument :
MSVOA_X
ClientSampleId :
VX0111WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.2	16.8	25.2

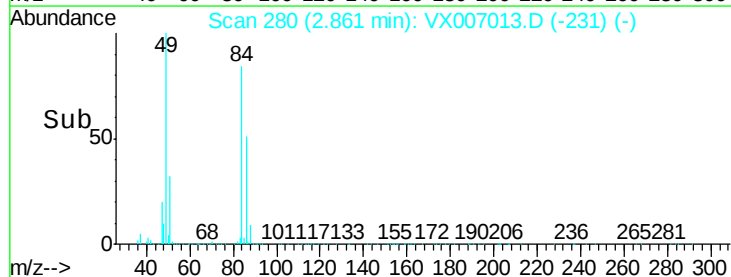
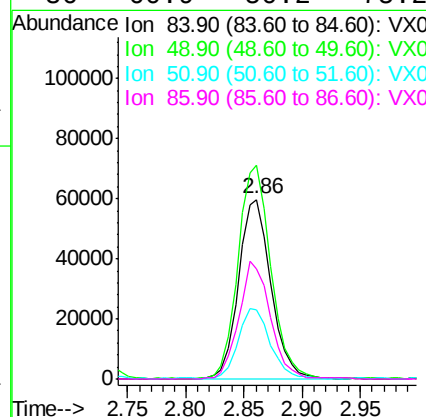
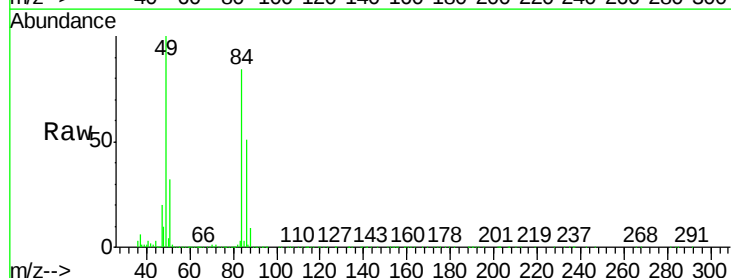
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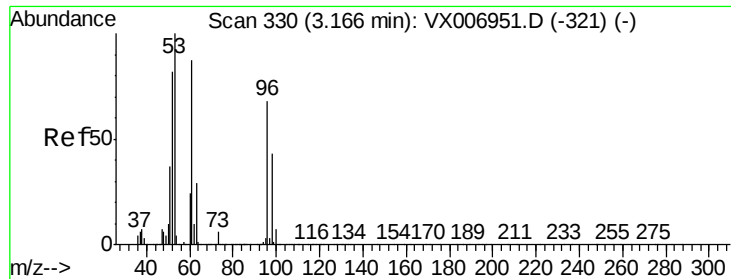
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#20
Methylene Chloride
Concen: 21.901 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007013.D
Acq: 11 Jan 2019 15:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.7	91.8	137.6
51	38.0	28.5	42.7
86	60.9	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 19.827 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007013.D

Acq: 11 Jan 2019 15:03

Instrument :

MSVOA_X

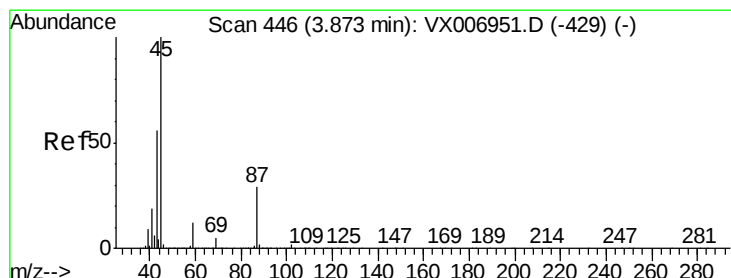
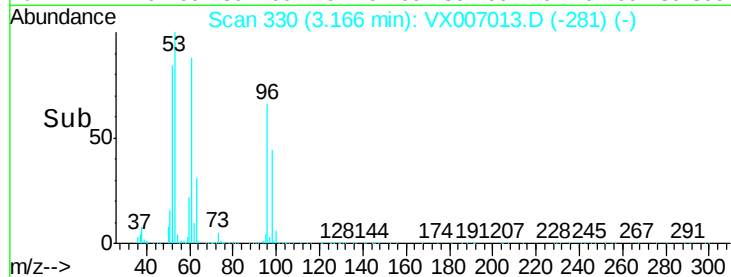
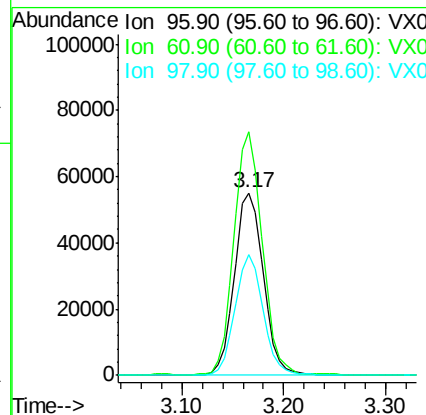
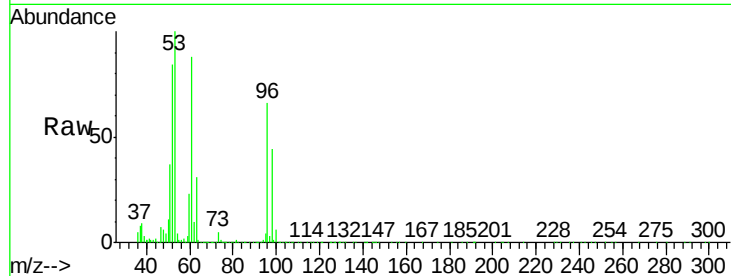
ClientSampleId :

VX0111WBS01

Tot Ion:	96	Resp:	108098
Ion Ratio	Lower	Upper	
96	100		
61	133.2	103.7	155.5
98	66.3	51.0	76.6

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#22

Diisopropyl ether

Concen: 20.741 ug/l

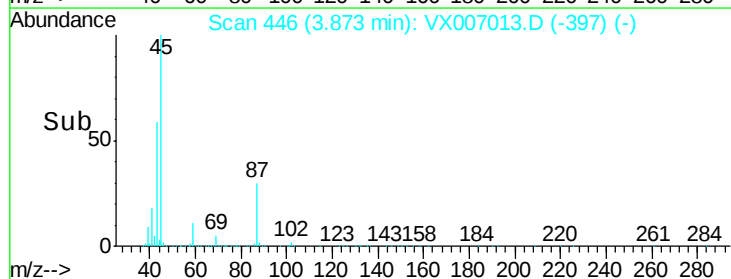
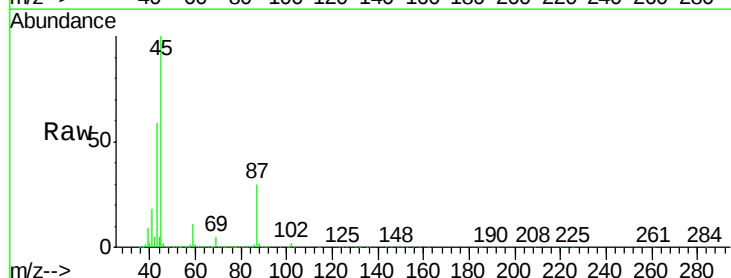
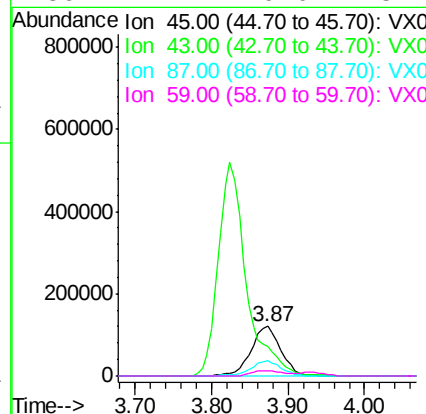
RT: 3.87 min Scan# 446

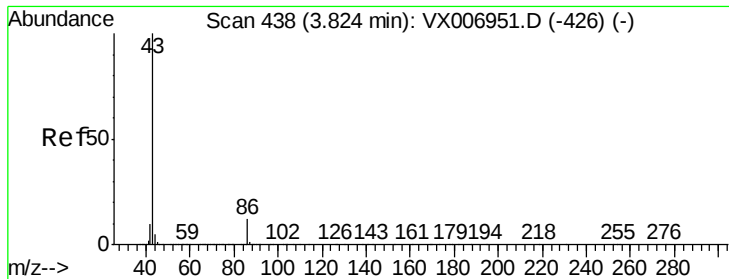
Delta R.T. -0.00 min

Lab File: VX007013.D

Acq: 11 Jan 2019 15:03

Tgt Ion:	45	Resp:	326942
Ion Ratio	Lower	Upper	
45	100		
43	58.4	51.2	76.8
87	30.0	25.8	38.6
59	11.1	9.0	13.4





#23

Vinyl Acetate

Concen: 100.001 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX007013.D

Acq: 11 Jan 2019 15:03

Instrument :

MSVOA_X

ClientSampleId :

VX0111WBS01

Tot Ion: 43 Resp: 1329320

Ion Ratio Lower Upper

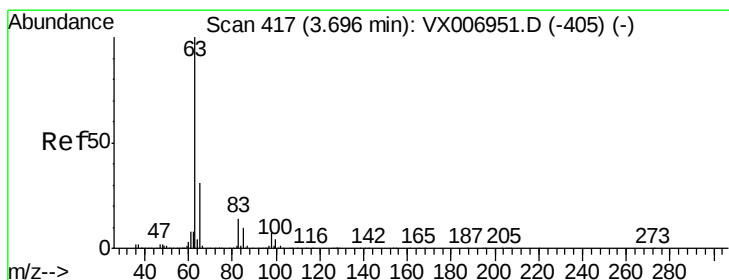
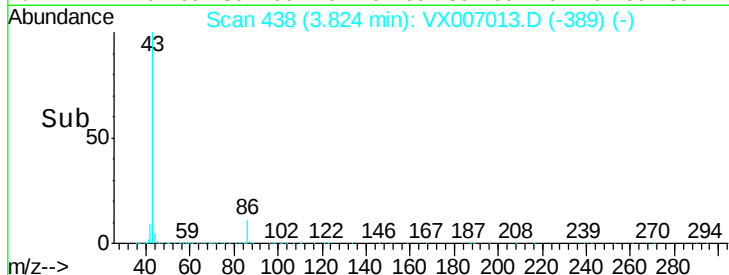
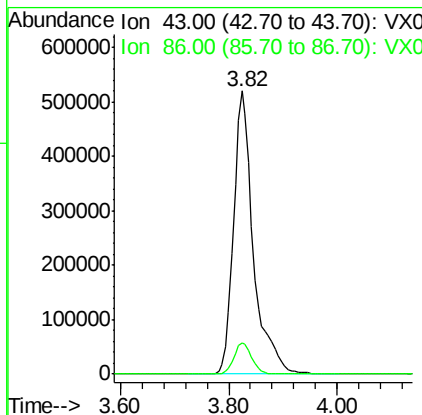
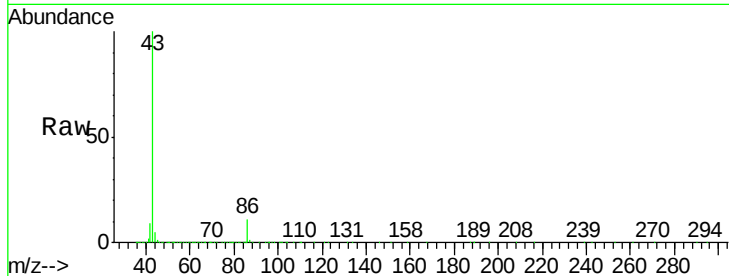
43 100

86 10.8 9.2 13.8

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#24

1,1-Dichloroethane

Concen: 20.456 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX007013.D

Acq: 11 Jan 2019 15:03

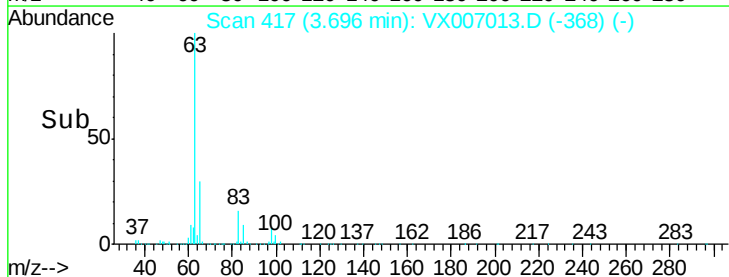
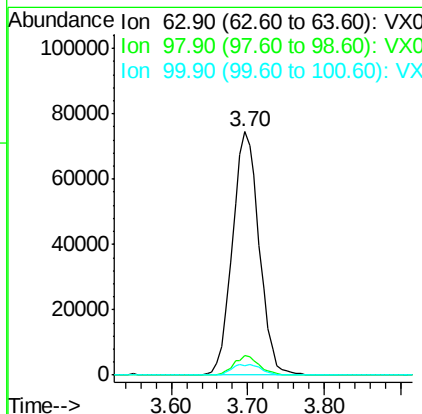
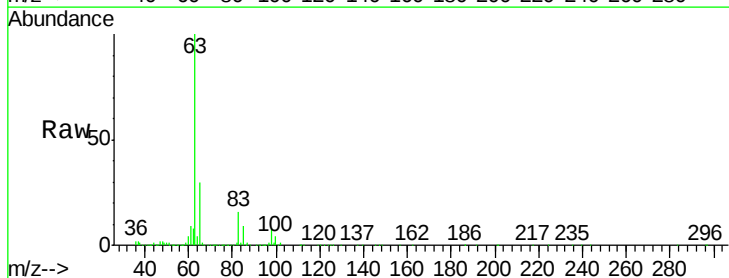
Tgt Ion: 63 Resp: 180299

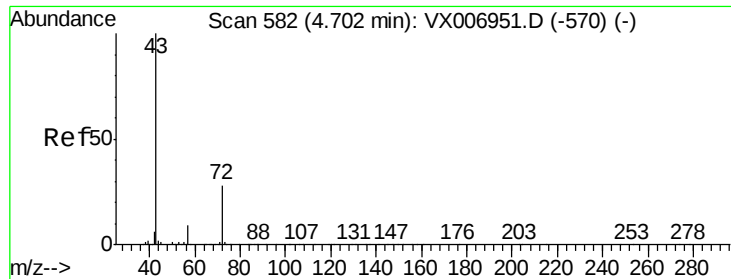
Ion Ratio Lower Upper

63 100

98 7.8 3.9 11.5

100 3.7 2.4 7.2





#25

2-Butanone

Concen: 103.482 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX007013.D

Acq: 11 Jan 2019 15:03

Instrument :

MSVOA_X

ClientSampleId :

VX0111WBS01

Tot Ion: 43 Resp: 407217

Ion Ratio Lower Upper

43 100

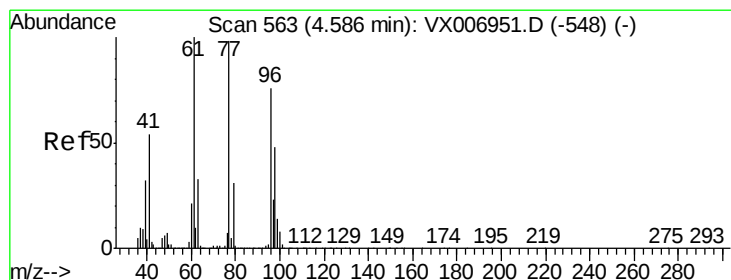
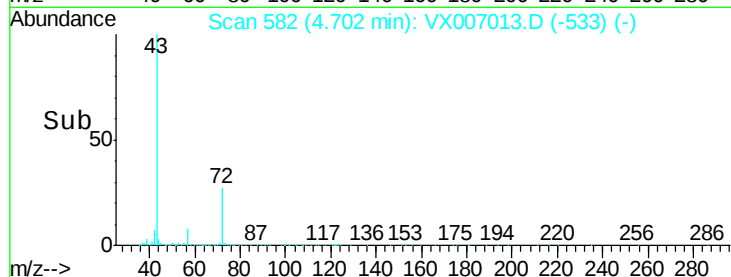
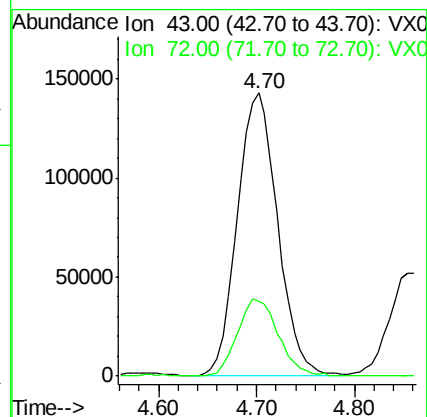
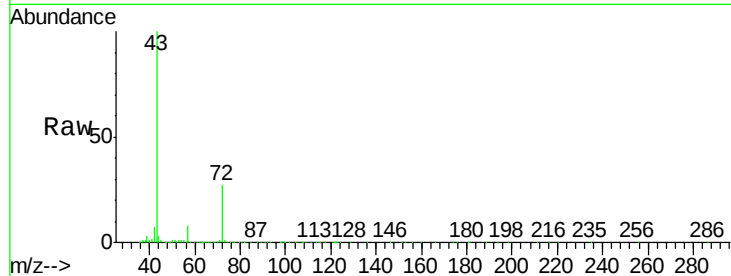
72 26.5 22.4 33.6

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#26

2,2-Dichloropropane

Concen: 17.818 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX007013.D

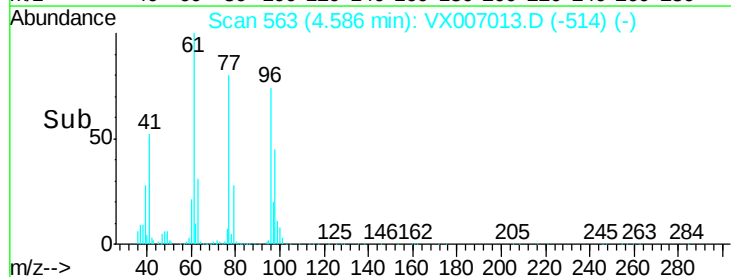
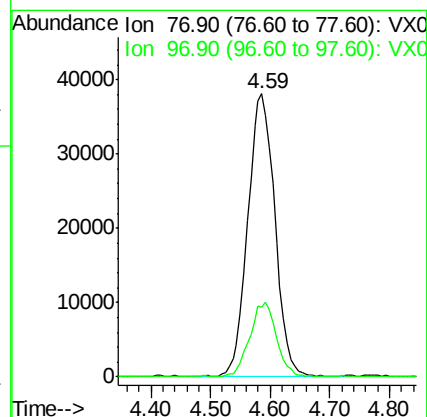
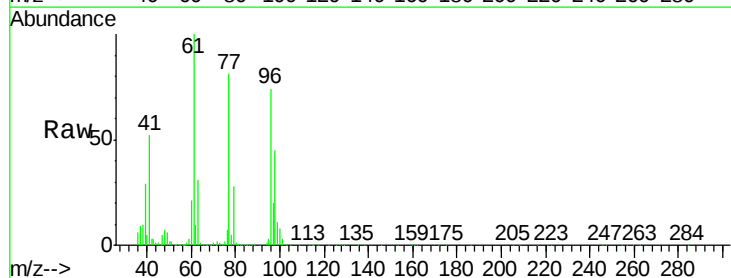
Acq: 11 Jan 2019 15:03

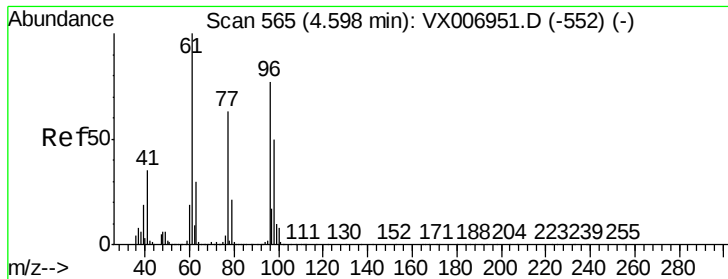
Tgt Ion: 77 Resp: 120761

Ion Ratio Lower Upper

77 100

97 26.0 12.4 37.4





#27

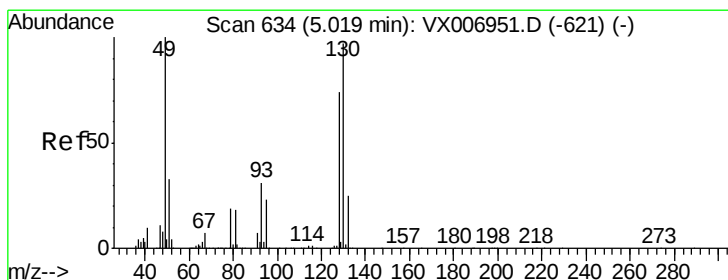
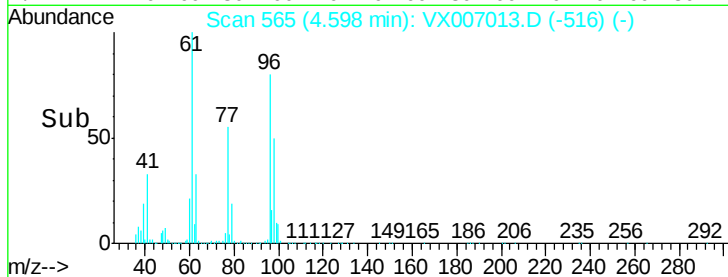
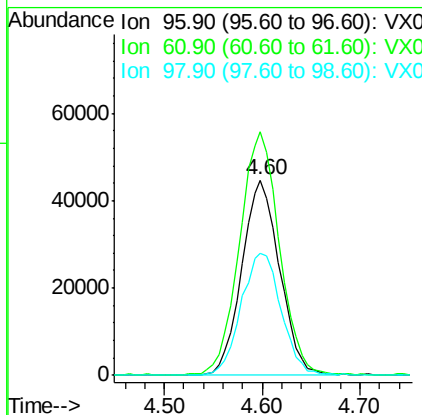
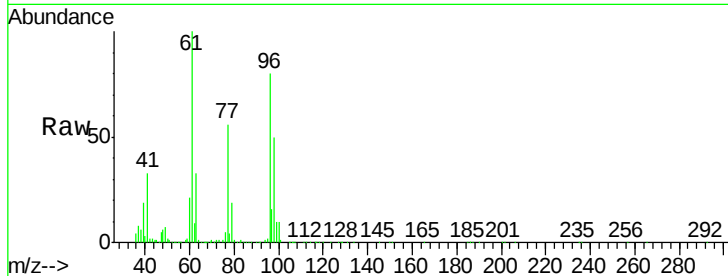
cis-1,2-Dichloroethene
Concen: 19.989 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX007013.D
Acq: 11 Jan 2019 15:03

Instrument :
MSVOA_X
ClientSampleId :
VX0111WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.9	0.0	258.6
98	66.7	0.0	132.0

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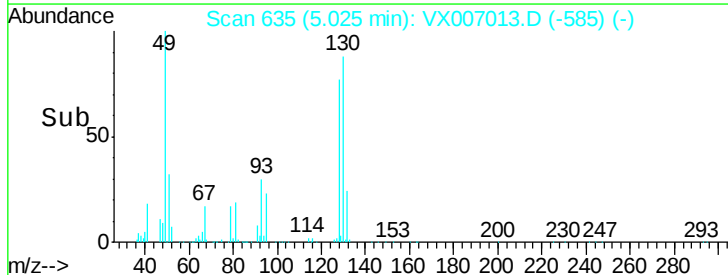
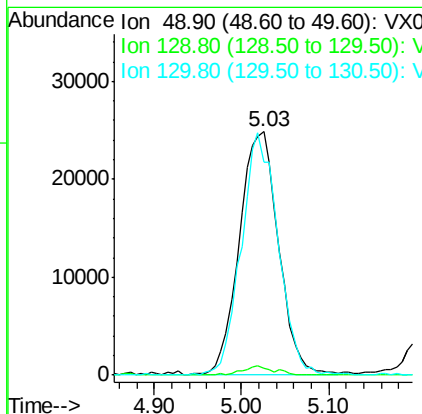
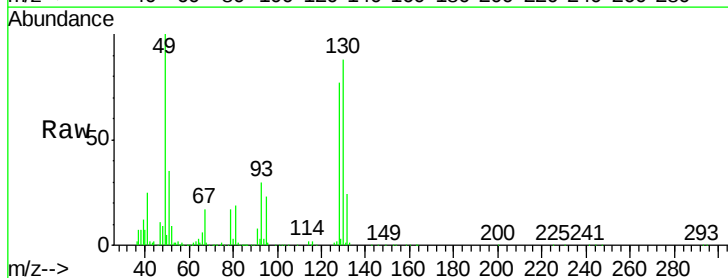
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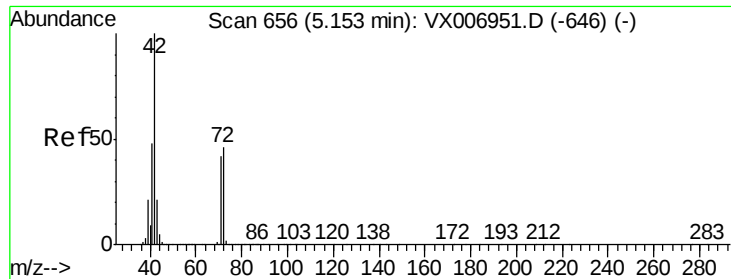


#28

Bromochloromethane
Concen: 20.113 ug/l
RT: 5.03 min Scan# 635
Delta R.T. 0.01 min
Lab File: VX007013.D
Acq: 11 Jan 2019 15:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.4
130	93.3	77.7	116.5





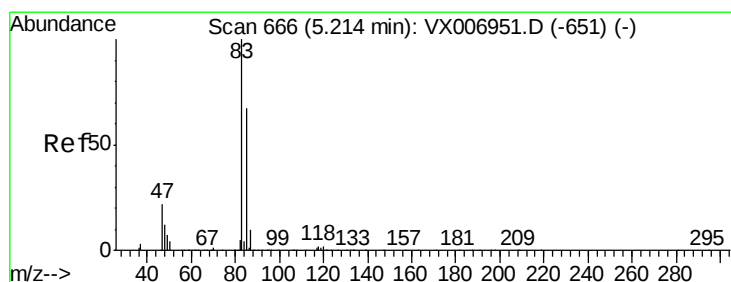
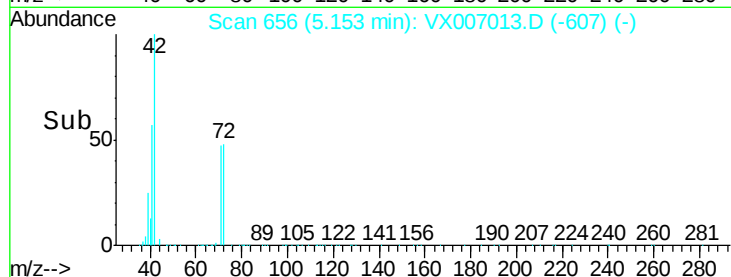
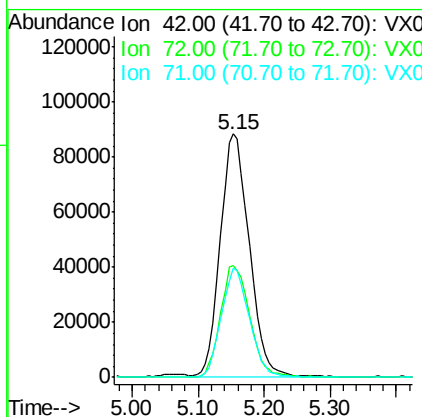
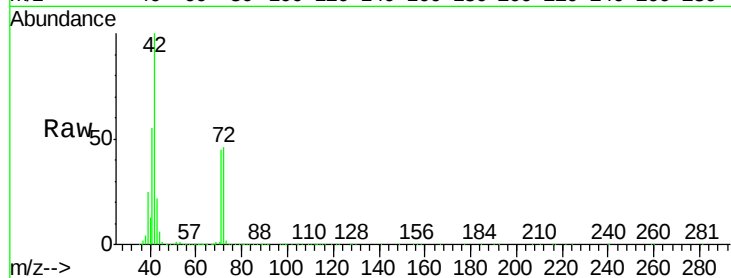
#29
Tetrahydrofuran
Concen: 104.452 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX007013.D
Acq: 11 Jan 2019 15:03

Instrument :
MSVOA_X
ClientSampleId :
VX0111WBS01

Tot Ion	Ratio	Resp Lower	Upper
42	100		
72	46.8	38.9	58.3
71	43.5	36.2	54.4

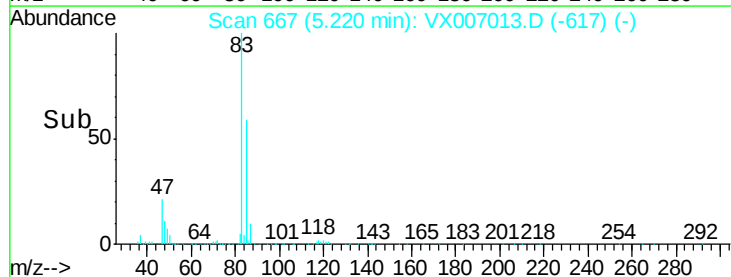
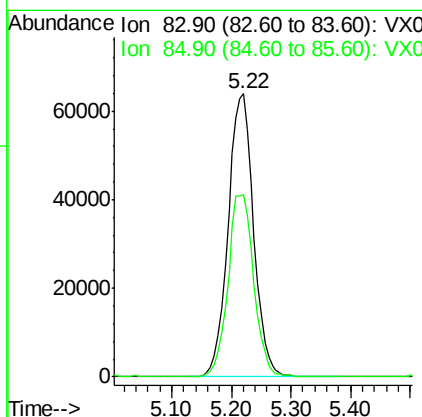
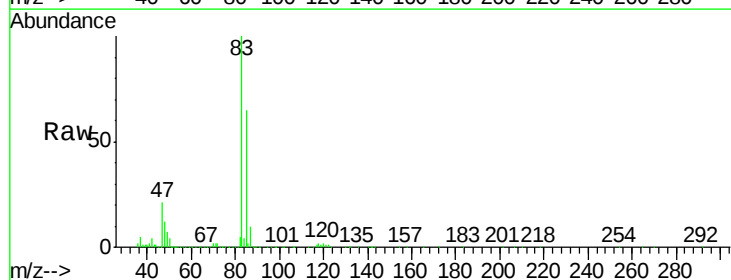
Manual Integrations
APPROVED

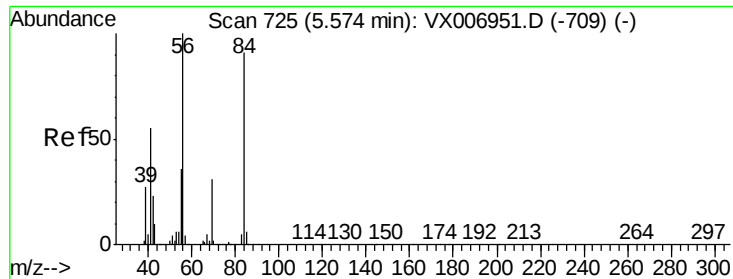
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#30
Chloroform
Concen: 20.504 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX007013.D
Acq: 11 Jan 2019 15:03

Tgt Ion	Ratio	Resp Lower	Upper
83	100		
85	64.5	51.2	76.8





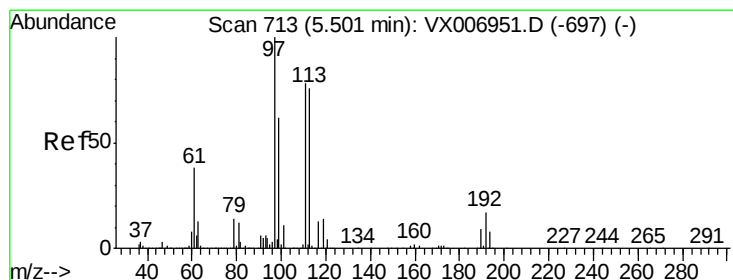
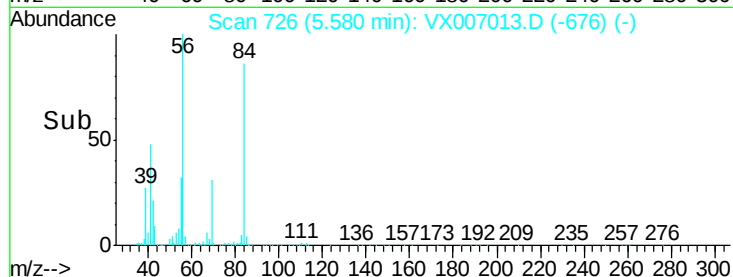
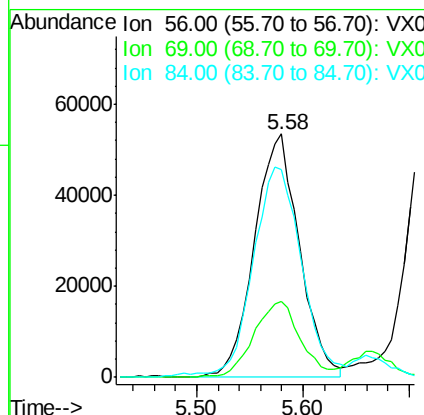
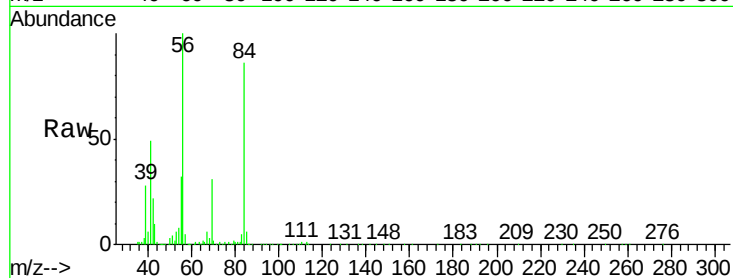
#31
Cyclohexane
Concen: 20.135 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX007013.D
Acq: 11 Jan 2019 15:03

Instrument :
MSVOA_X
ClientSampleId :
VX0111WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.1	24.4	36.6
84	84.3	70.0	105.0

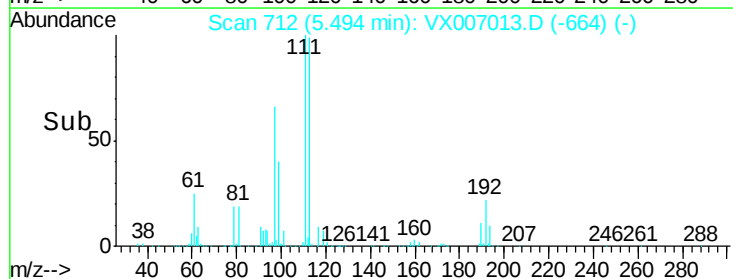
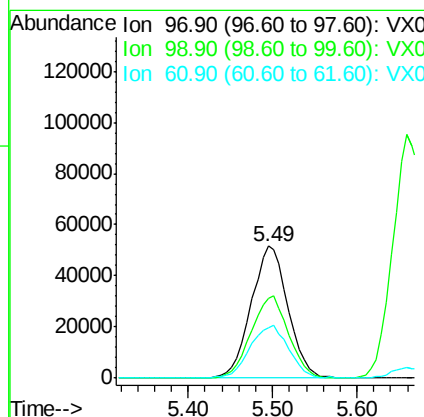
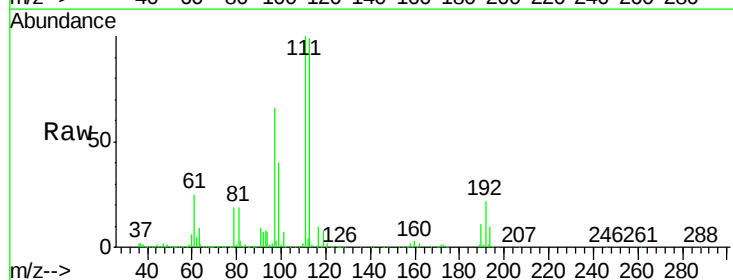
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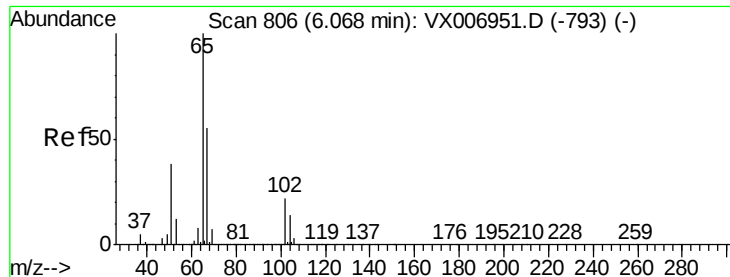
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#32
1,1,1-Trichloroethane
Concen: 19.603 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX007013.D
Acq: 11 Jan 2019 15:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.7	77.5
61	41.9	31.3	46.9





#33

1,2-Dichloroethane-d4

Concen: 50.527 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007013.D

Acq: 11 Jan 2019 15:03

Instrument :

MSVOA_X

ClientSampleId :

VX0111WBS01

Tot Ion: 65 Resp: 281085

Ion Ratio Lower Upper

65 100

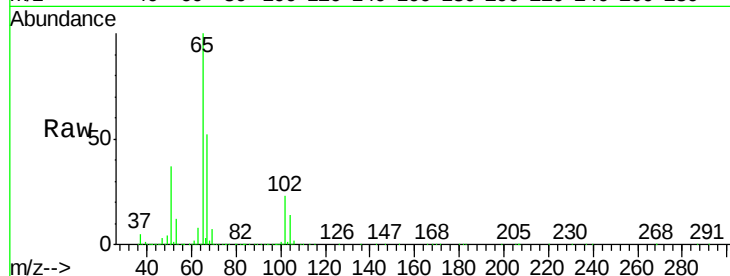
67 53.3 0.0 105.0

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

120000

100000

80000

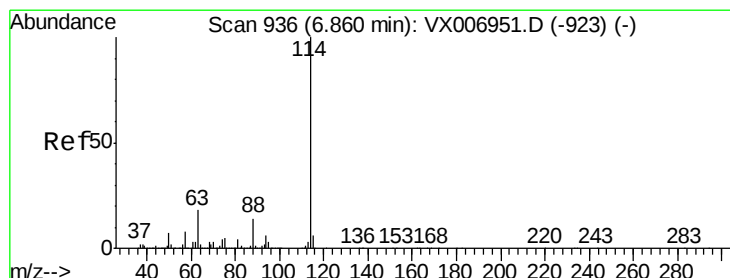
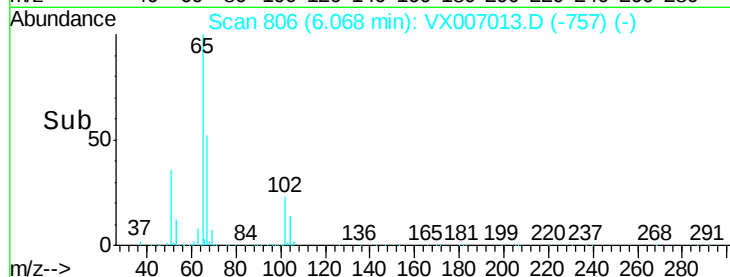
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007013.D

Acq: 11 Jan 2019 15:03

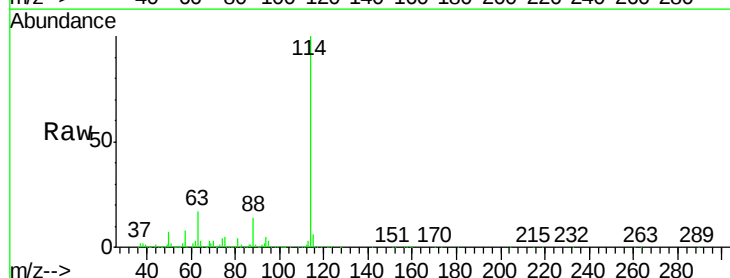
Tgt Ion: 114 Resp: 813862

Ion Ratio Lower Upper

114 100

63 16.5 0.0 34.8

88 14.0 0.0 28.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

400000

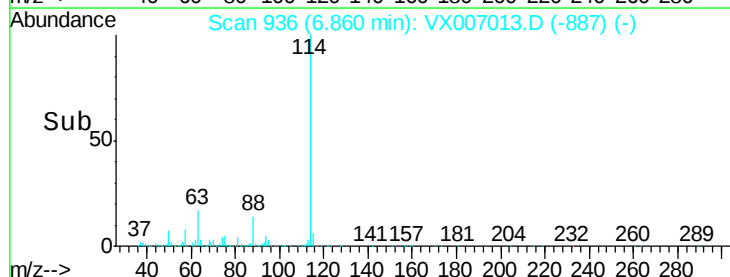
300000

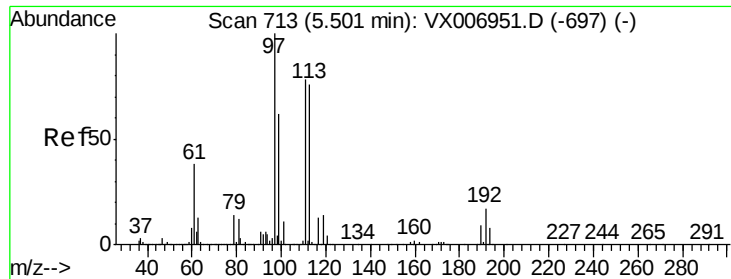
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 47.470 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX007013.D

Acq: 11 Jan 2019 15:03

Instrument :

MSVOA_X

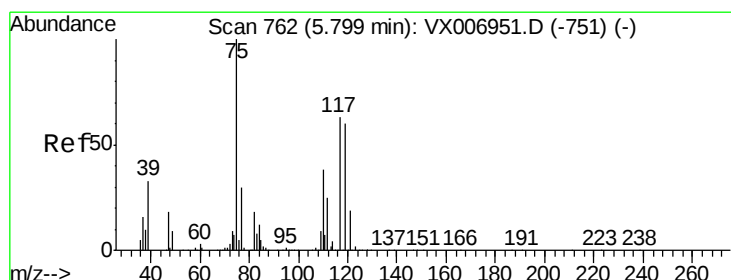
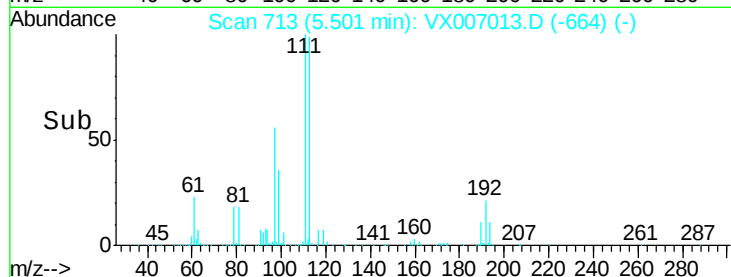
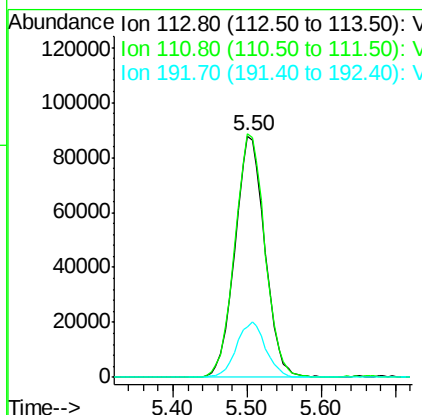
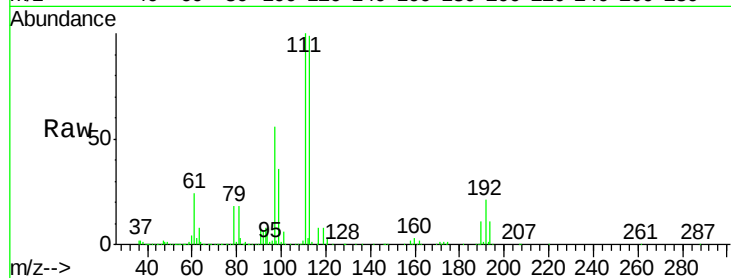
ClientSampleId :

VX0111WBS01

Tot Ion:	113	Resp:	247409
Ion Ratio	Lower	Upper	
113	100		
111	101.6	81.6	122.4
192	22.6	16.7	25.1

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#36

1,1-Dichloropropene

Concen: 18.996 ug/l

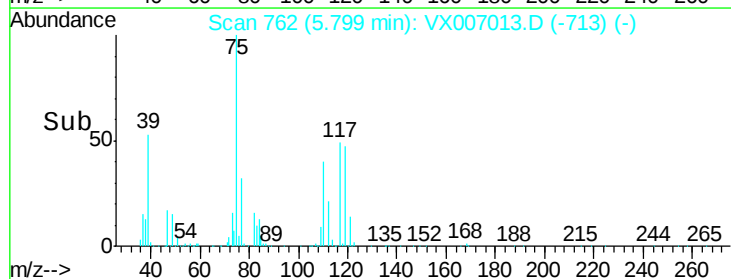
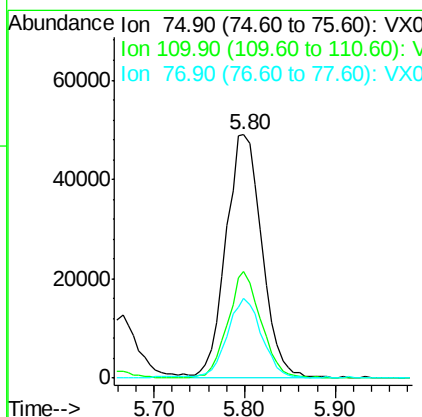
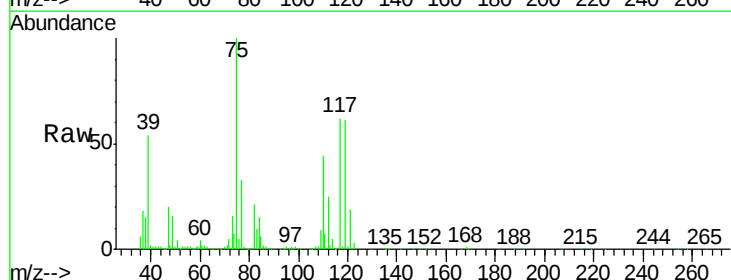
RT: 5.80 min Scan# 762

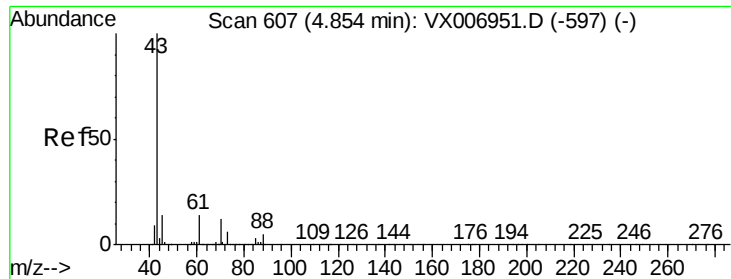
Delta R.T. -0.00 min

Lab File: VX007013.D

Acq: 11 Jan 2019 15:03

Tgt Ion:	75	Resp:	134413
Ion Ratio	Lower	Upper	
75	100		
110	40.6	20.2	60.5
77	30.7	24.8	37.2





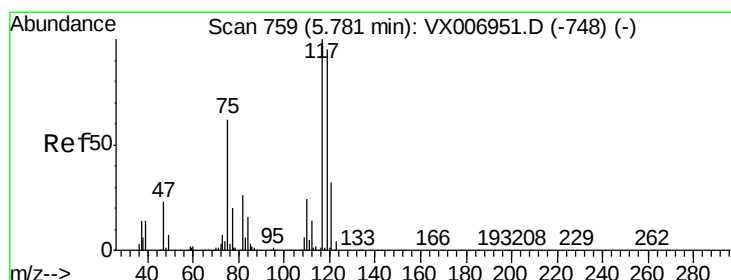
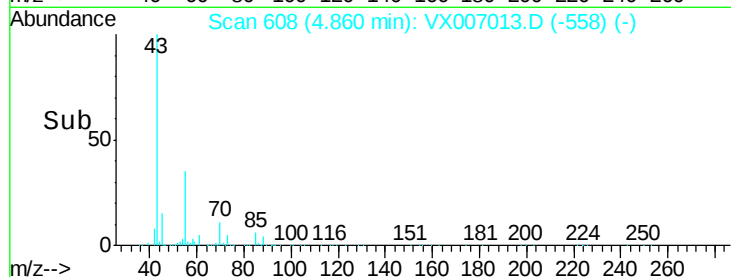
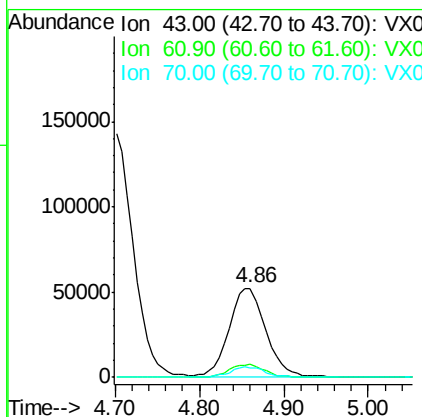
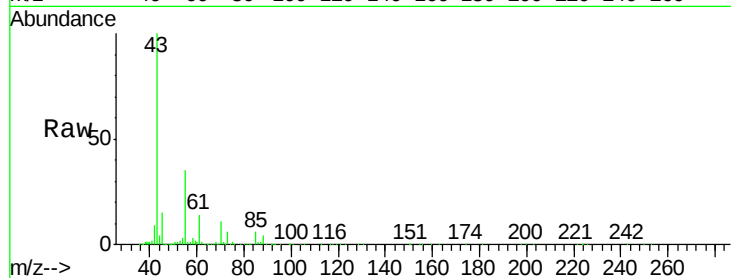
#37
Ethyl Acetate
Concen: 20.197 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX007013.D
Acq: 11 Jan 2019 15:03

Instrument :
MSVOA_X
ClientSampleId :
VX0111WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.9	17.9
70	11.7	9.7	14.5

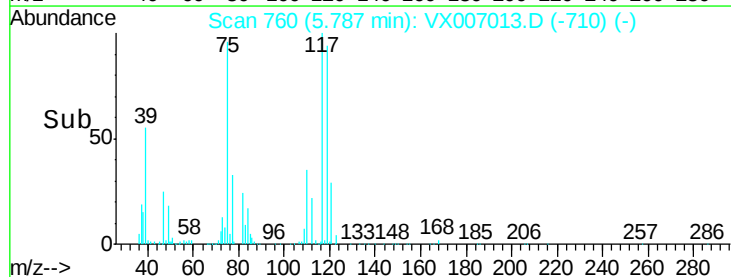
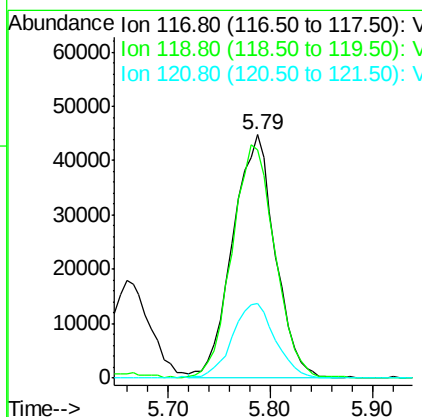
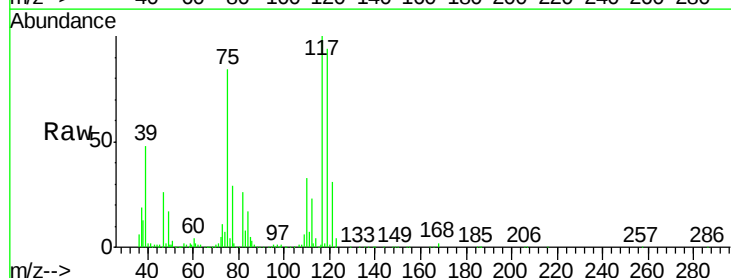
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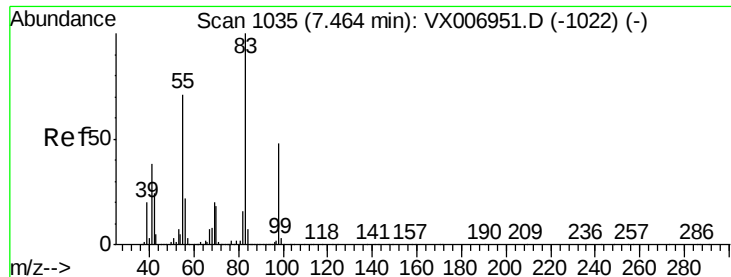
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#38
Carbon Tetrachloride
Concen: 18.003 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX007013.D
Acq: 11 Jan 2019 15:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.4	79.4	119.2
121	30.7	24.0	36.0





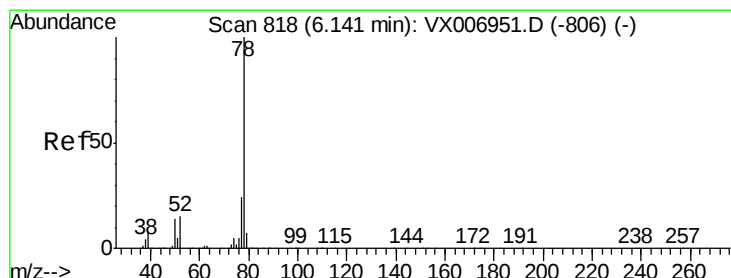
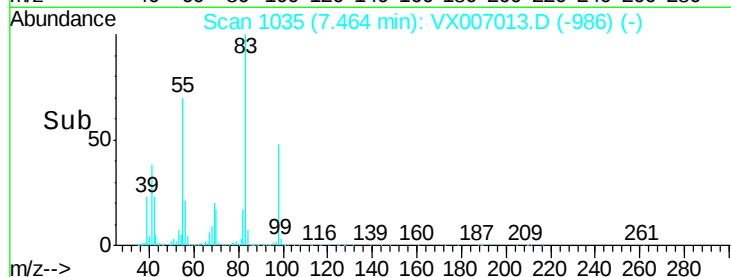
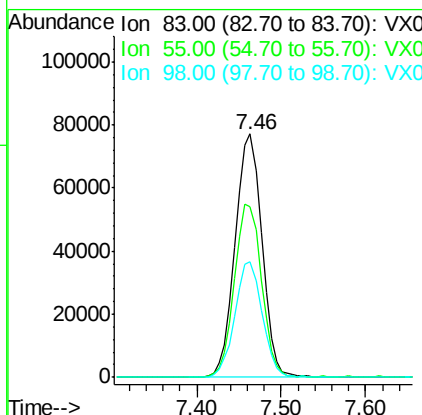
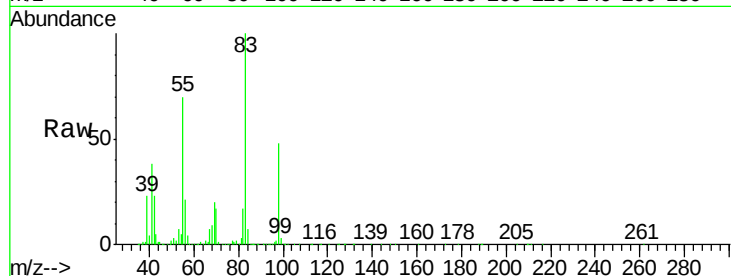
#39
Methvlcvclohexane
Concen: 18.422 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX007013.D
Acq: 11 Jan 2019 15:03

Instrument :
MSVOA_X
ClientSampleId :
VX0111WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.7	54.9	82.3
98	47.6	37.9	56.9

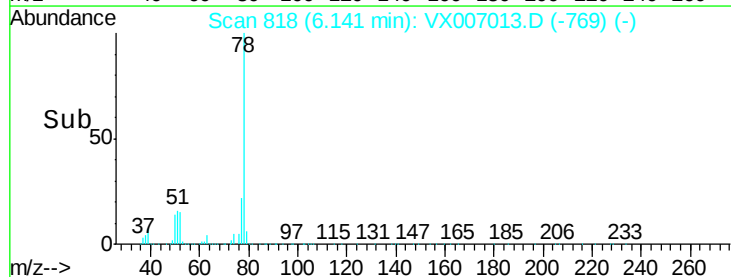
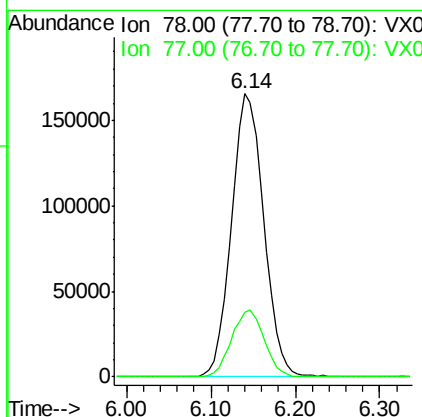
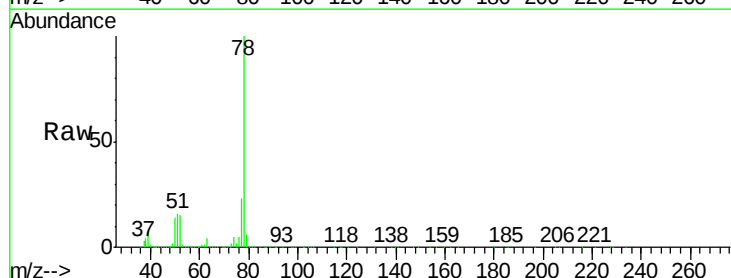
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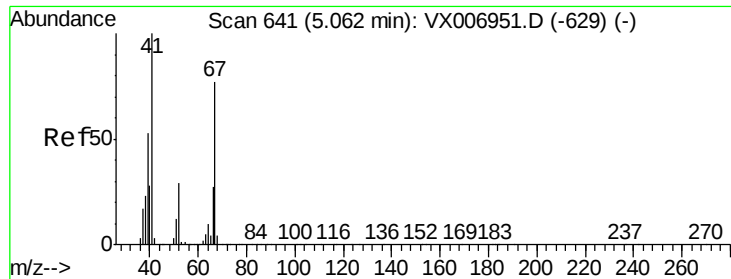
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#40
Benzene
Concen: 19.868 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX007013.D
Acq: 11 Jan 2019 15:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	19.2	28.8





#41

Methacrylonitrile

Concen: 18.871 ug/l

RT: 5.06 min Scan# 641

Delta R.T. -0.00 min

Lab File: VX007013.D

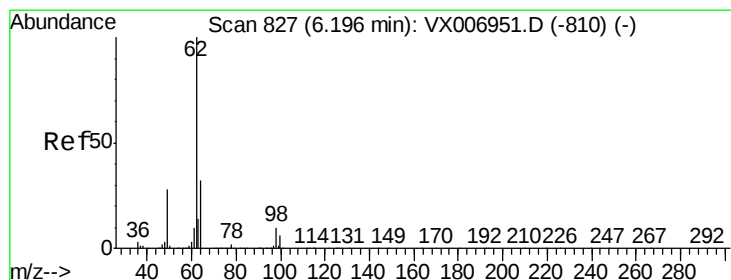
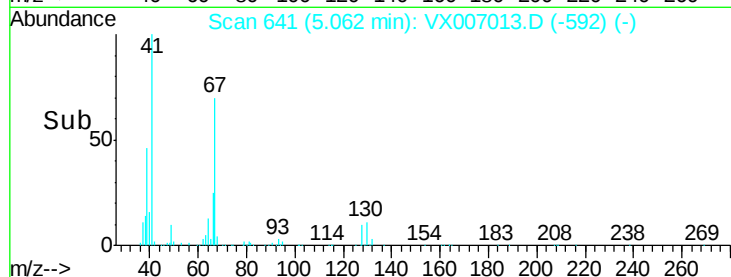
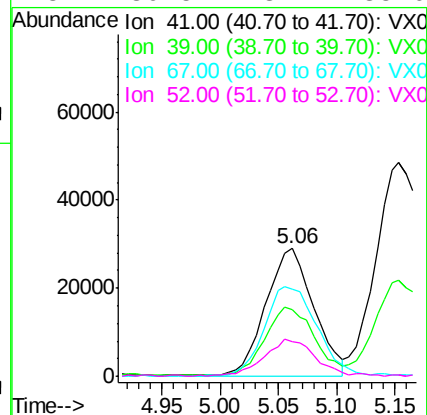
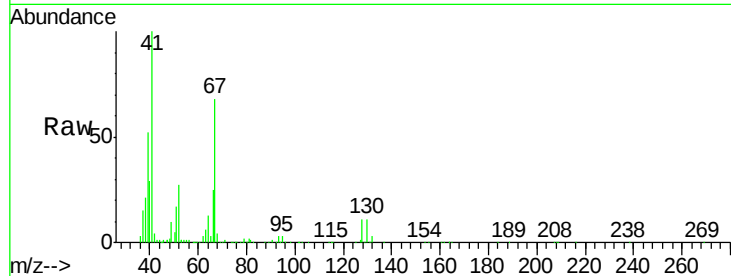
Acq: 11 Jan 2019 15:03

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.2	42.8	64.2	
67	77.0	62.1	93.1	
52	30.5	23.4	35.0	

Instrument :
MSVOA_X
ClientSampleId :
VX0111WBS01

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 19.815 ug/l

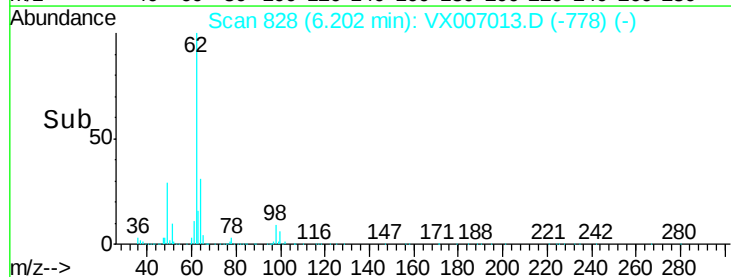
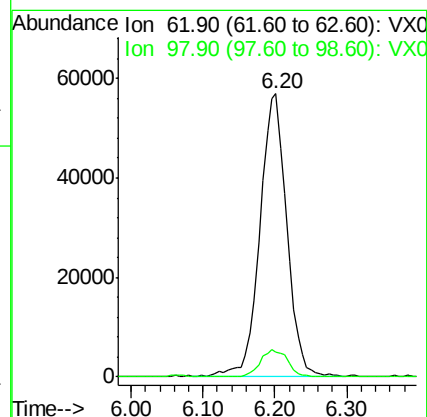
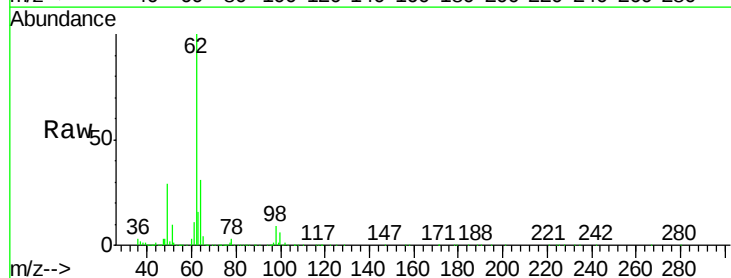
RT: 6.20 min Scan# 828

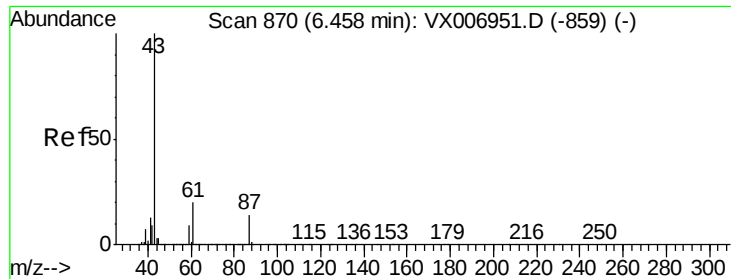
Delta R.T. 0.01 min

Lab File: VX007013.D

Acq: 11 Jan 2019 15:03

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.8	0.0	20.2	





#43

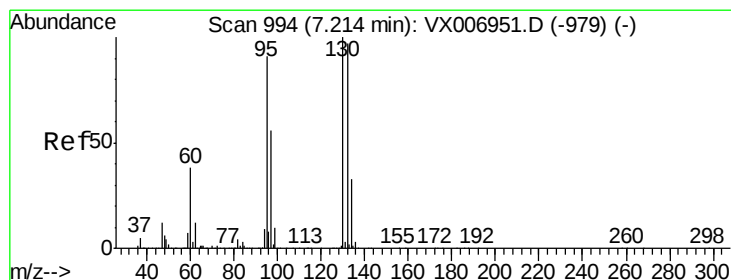
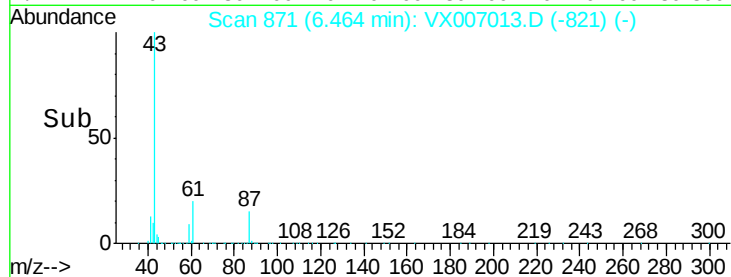
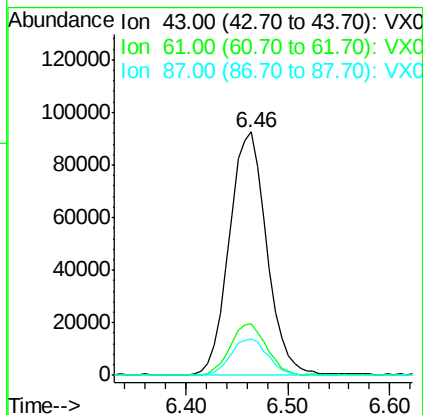
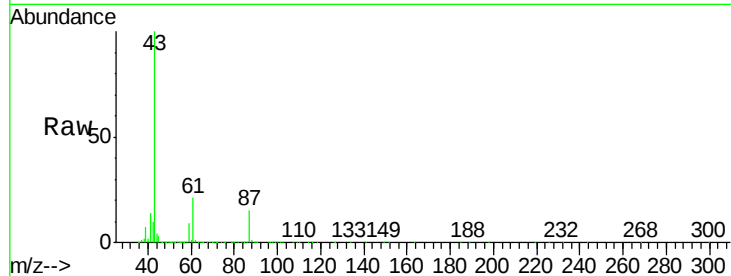
Isopropyl Acetate
 Concen: 19.585 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.01 min
 Lab File: VX007013.D
 Acq: 11 Jan 2019 15:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0111WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.9	16.8	25.2
87	15.2	12.4	18.6

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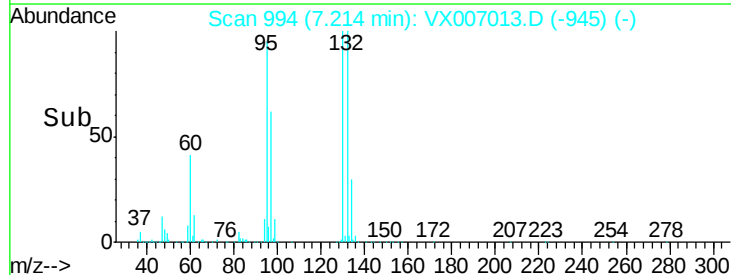
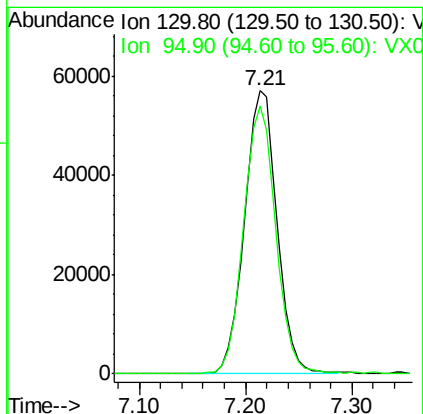
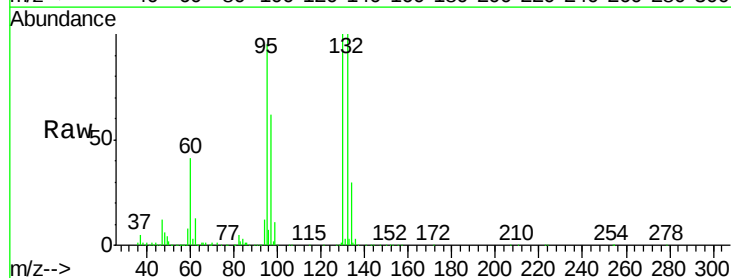
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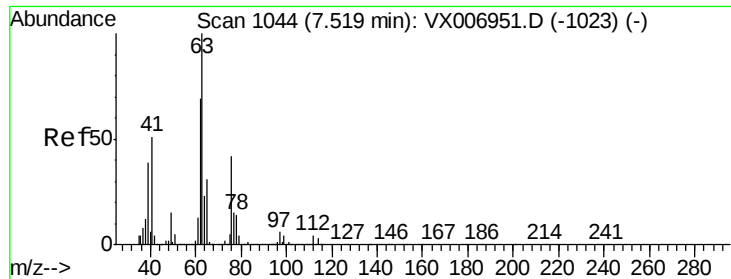


#44

Trichloroethene
 Concen: 18.968 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX007013.D
 Acq: 11 Jan 2019 15:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.9	0.0	187.0





#45

1,2-Dichloropropane

Concen: 19.816 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX007013.D

Acq: 11 Jan 2019 15:03

Instrument :

MSVOA_X

ClientSampleId :

VX0111WBS01

Tot Ion: 63 Resp: 107560

Ion Ratio Lower Upper

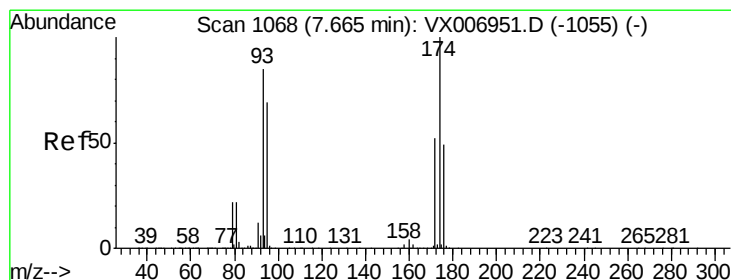
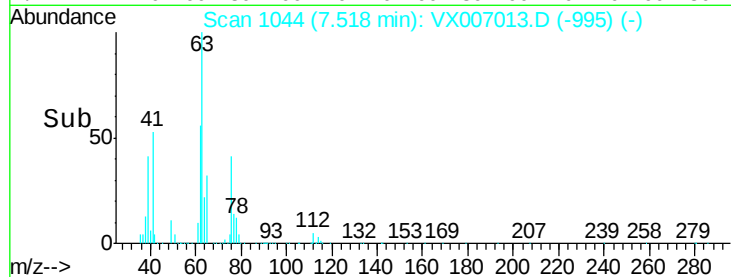
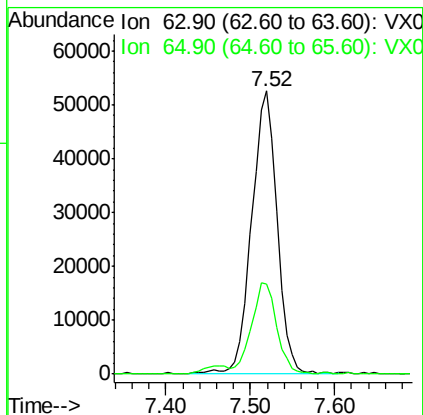
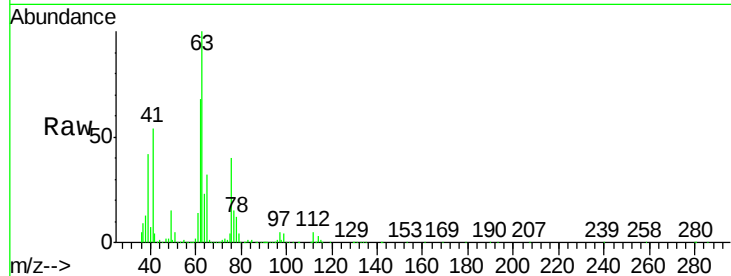
63 100

65 31.7 25.4 38.0

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#46

Dibromomethane

Concen: 19.929 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX007013.D

Acq: 11 Jan 2019 15:03

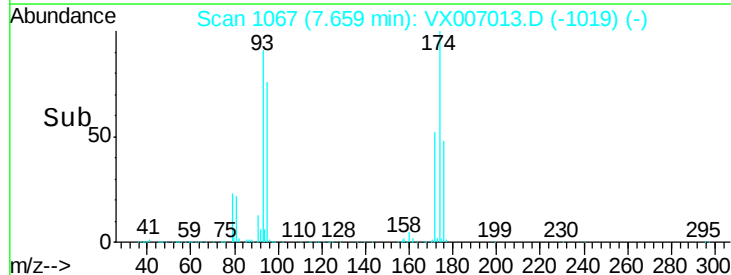
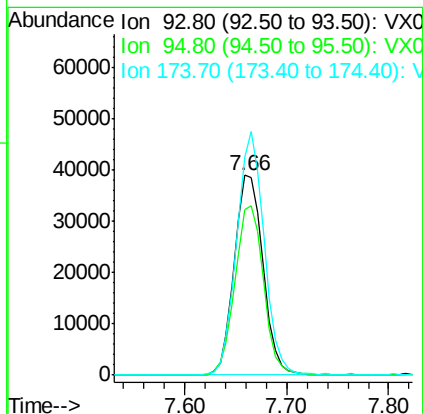
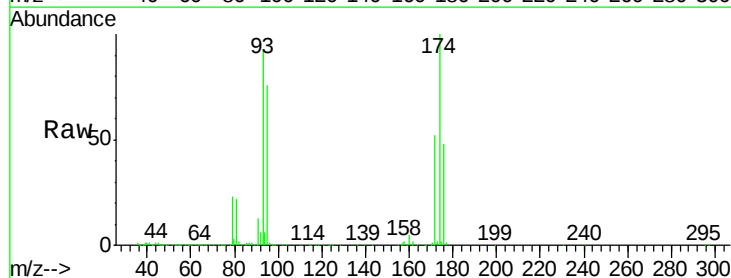
Tgt Ion: 93 Resp: 76024

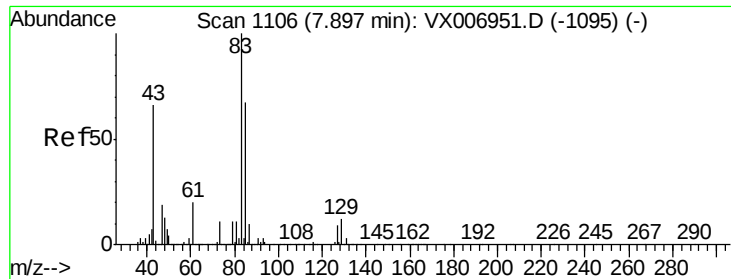
Ion Ratio Lower Upper

93 100

95 84.0 66.2 99.4

174 116.6 91.0 136.4





#47

Bromodichloromethane

Concen: 18.761 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX007013.D

Acq: 11 Jan 2019 15:03

Instrument :

MSVOA_X

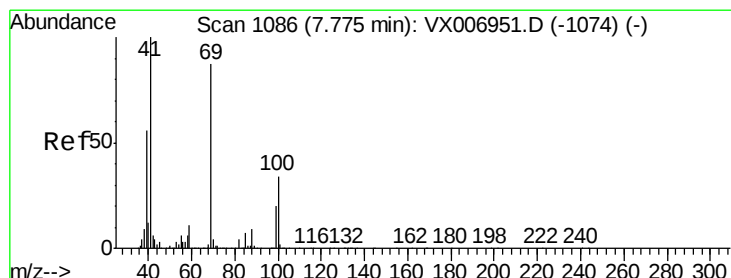
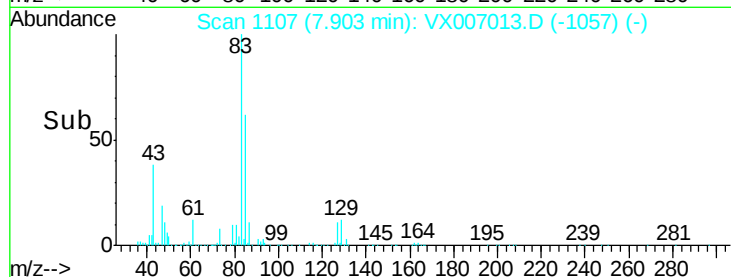
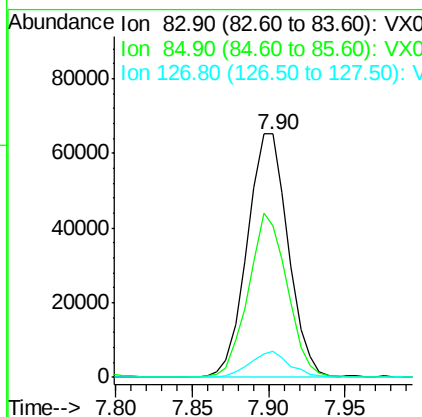
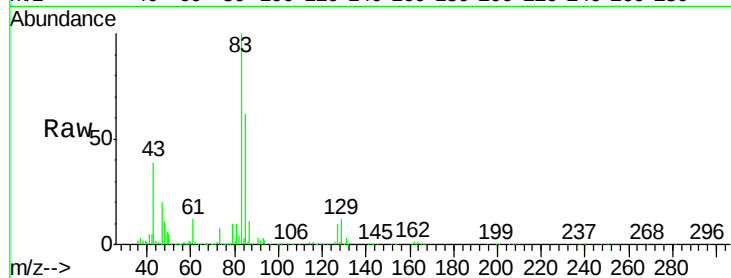
ClientSampleId :

VX0111WBS01

Tot Ion:	83	Resp:	121821
Ion Ratio	Lower	Upper	
83	100		
85	62.1	53.2	79.8
127	10.4	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.970 ug/l

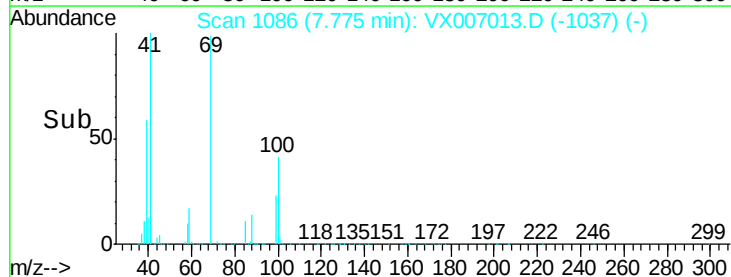
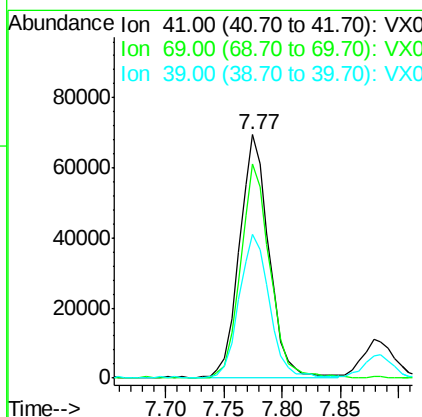
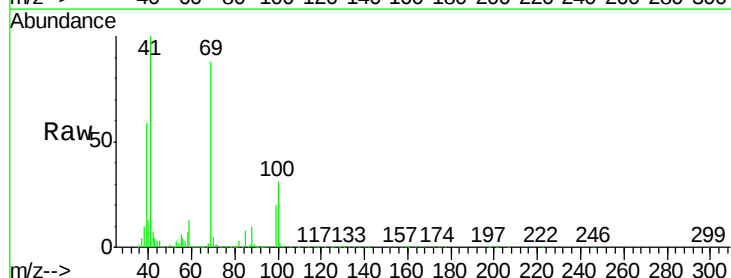
RT: 7.77 min Scan# 1086

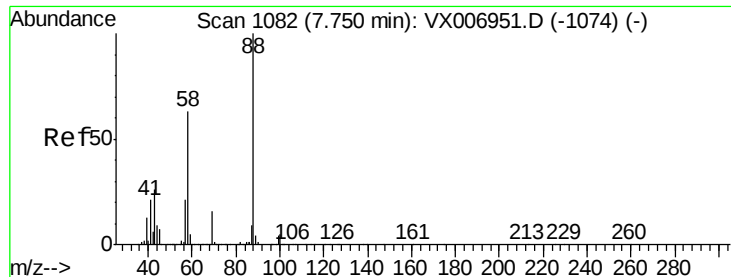
Delta R.T. -0.00 min

Lab File: VX007013.D

Acq: 11 Jan 2019 15:03

Tgt Ion:	41	Resp:	122714
Ion Ratio	Lower	Upper	
41	100		
69	87.3	72.4	108.6
39	59.1	45.8	68.8





#49

1,4-Dioxane

Concen: 397.198 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007013.D

Acq: 11 Jan 2019 15:03

Instrument :

MSVOA_X

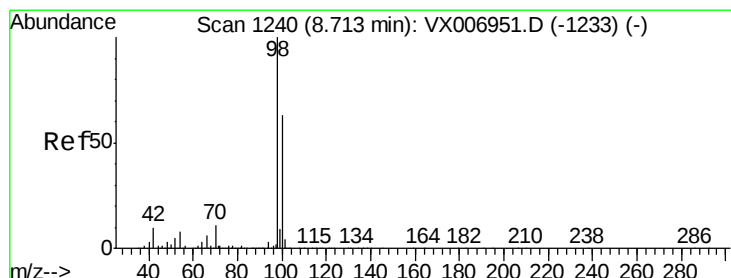
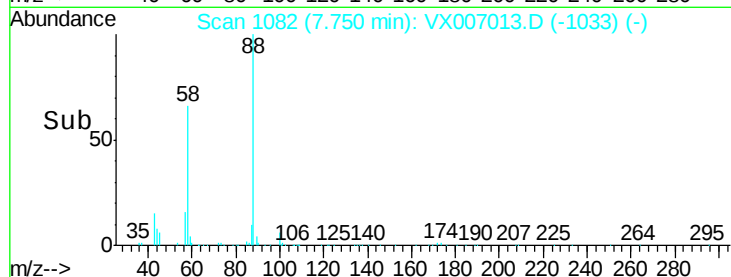
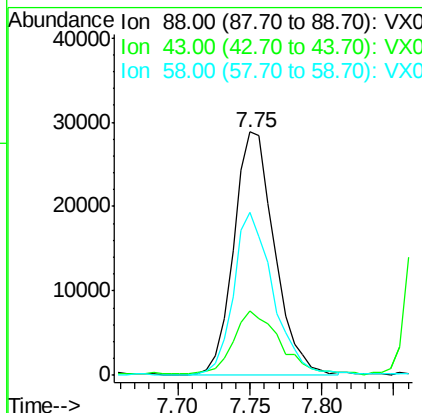
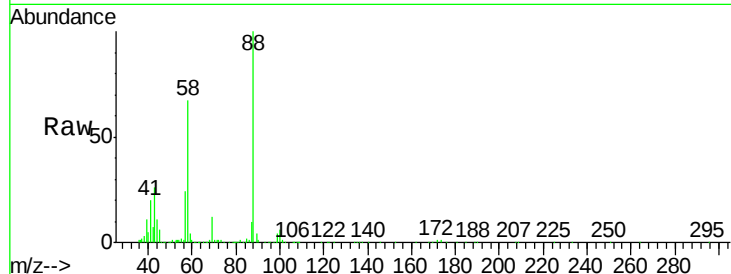
ClientSampleId :

VX0111WBS01

Tot Ion:	88	Resp:	56465
Ion	Ratio	Lower	Upper
88	100		
43	29.9	22.2	33.4
58	65.5	51.0	76.4

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#50

Toluene-d8

Concen: 48.468 ug/l

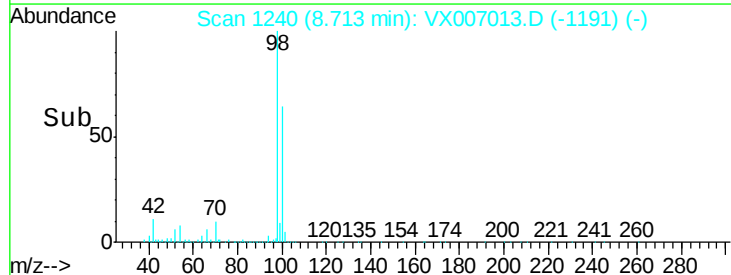
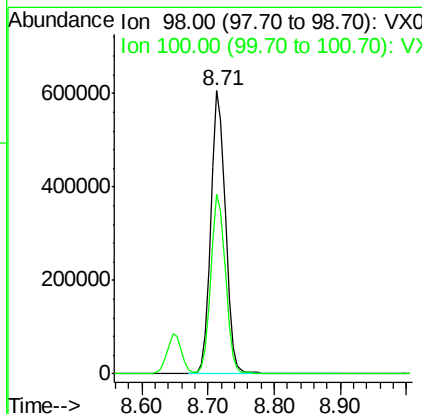
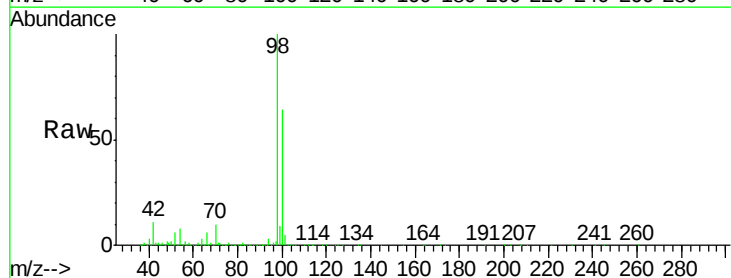
RT: 8.71 min Scan# 1240

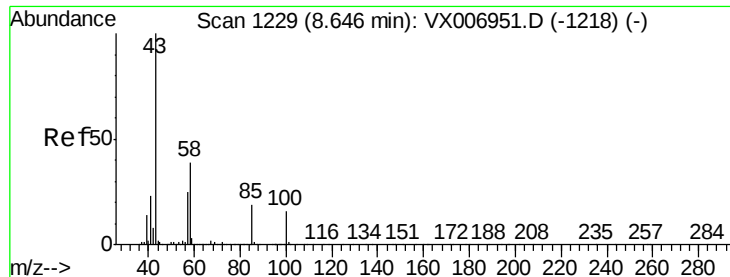
Delta R.T. -0.00 min

Lab File: VX007013.D

Acq: 11 Jan 2019 15:03

Tgt Ion:	98	Resp:	924632
Ion	Ratio	Lower	Upper
98	100		
100	63.6	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 103.689 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX007013.D

Acq: 11 Jan 2019 15:03

Instrument :

MSVOA_X

ClientSampled :

VX0111WBS01

Tot Ion: 43 Resp: 797364

Ion Ratio Lower Upper

43 100

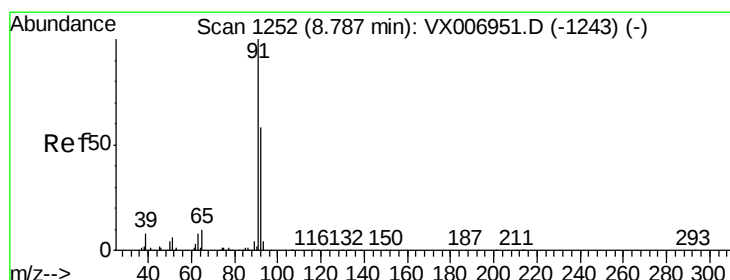
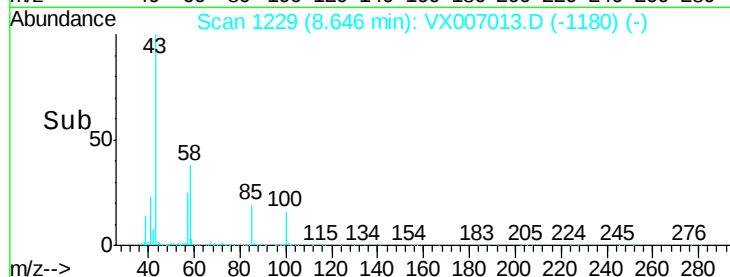
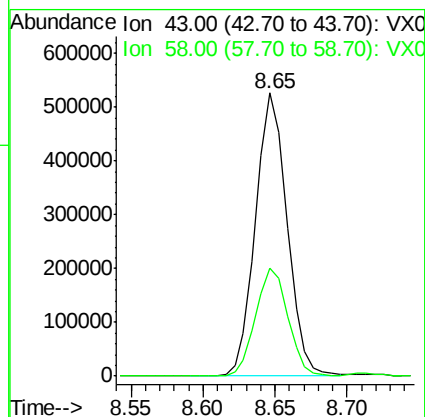
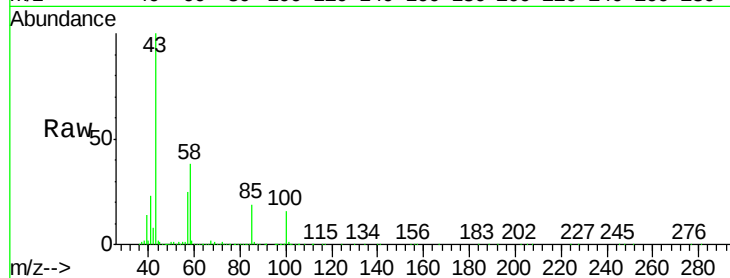
58 39.1 31.8 47.6

Manual Integrations

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#52

Toluene

Concen: 19.540 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX007013.D

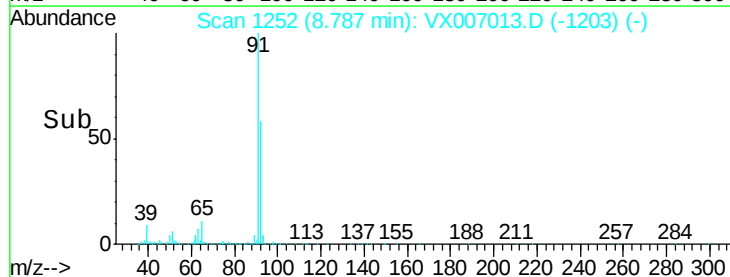
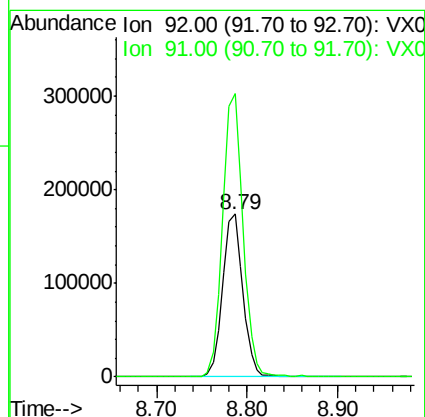
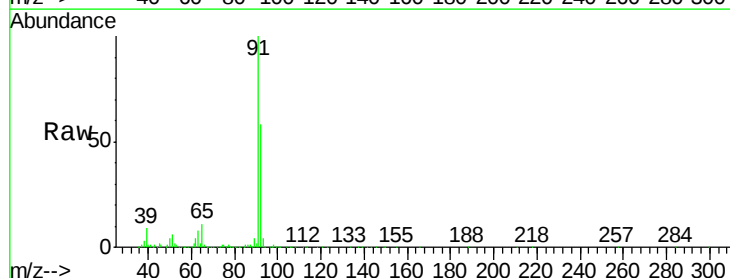
Acq: 11 Jan 2019 15:03

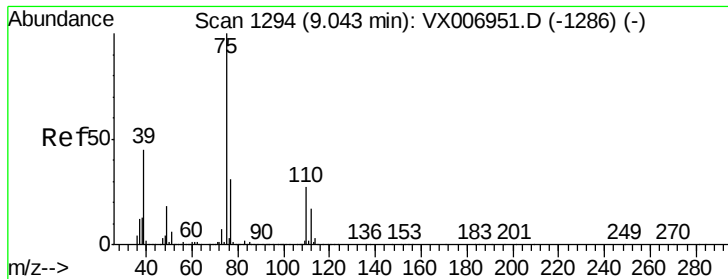
Tgt Ion: 92 Resp: 271157

Ion Ratio Lower Upper

92 100

91 176.3 137.6 206.4





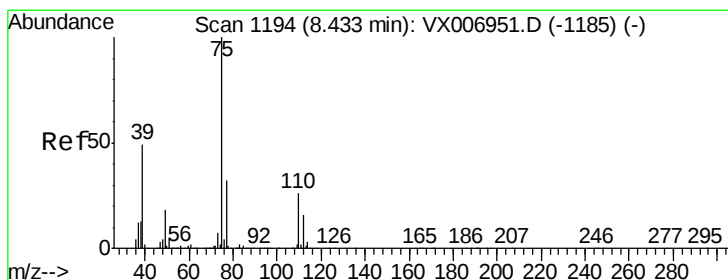
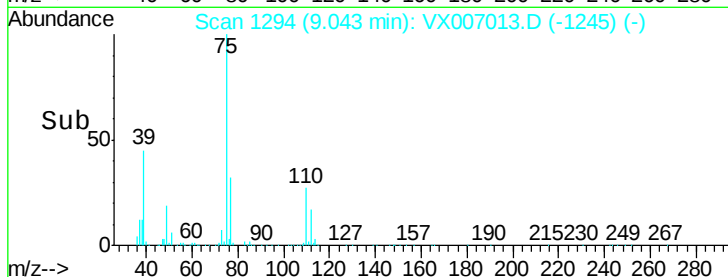
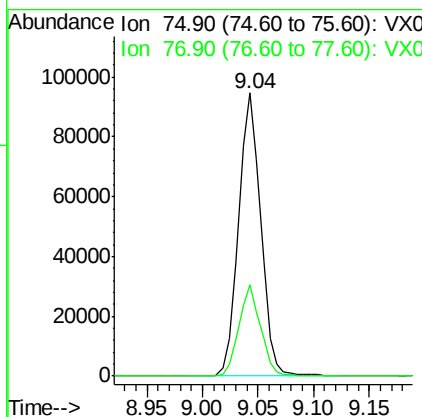
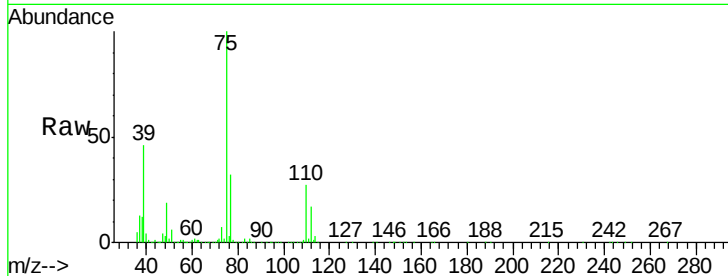
#53
t-1,3-Dichloropropene
Concen: 18.202 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX007013.D
Acq: 11 Jan 2019 15:03

Instrument :
MSVOA_X
ClientSampleId :
VX0111WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.4	38.0

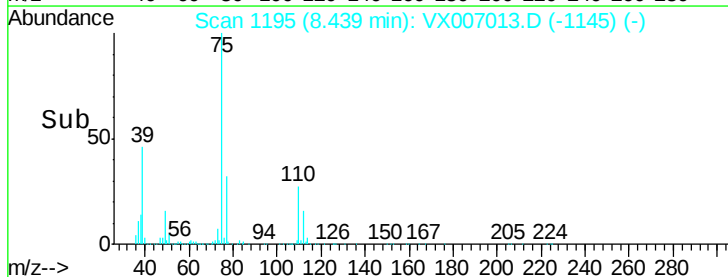
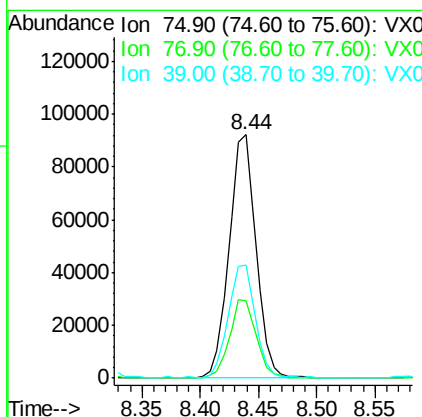
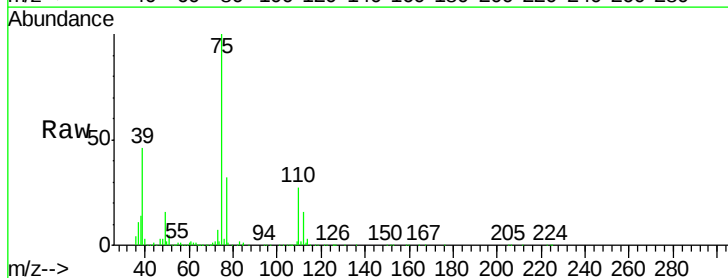
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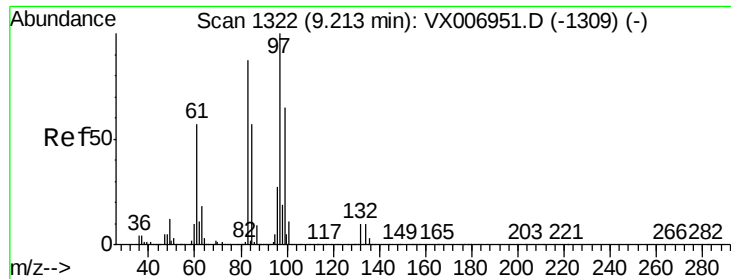
MMDadoda
1/14/2019 10:40:47 AM



#54
cis-1,3-Dichloropropene
Concen: 18.689 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.01 min
Lab File: VX007013.D
Acq: 11 Jan 2019 15:03

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	26.2	39.2
39	46.2	36.7	55.1





#55

1,1,2-Trichloroethane

Concen: 21.190 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX007013.D

Acq: 11 Jan 2019 15:03

Instrument :

MSVOA_X

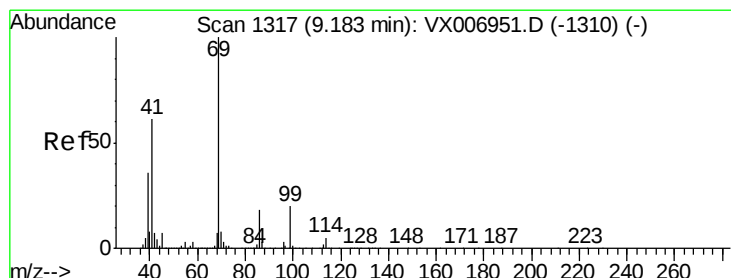
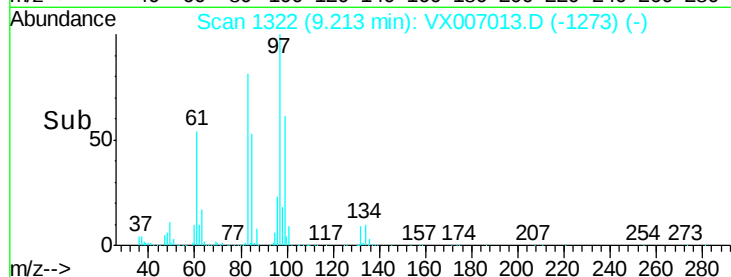
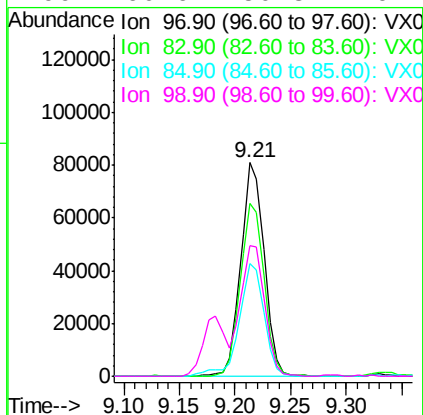
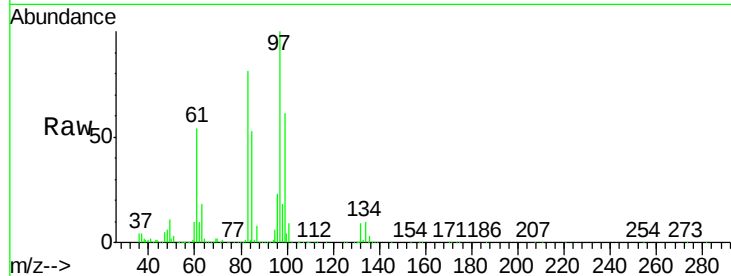
ClientSampleId :

VX0111WBS01

Tot Ion:	97	Resp:	117701
Ion Ratio	Lower	Upper	
97	100		
83	81.1	66.6	99.8
85	52.6	42.7	64.1
99	60.6	50.8	76.2

Manual Integrations
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#56

Ethyl methacrylate

Concen: 20.728 ug/l

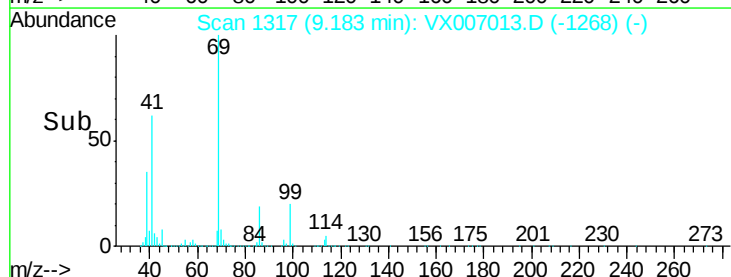
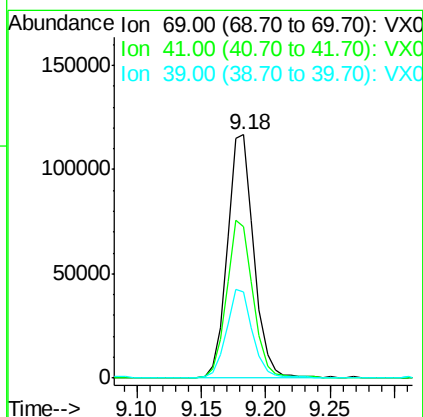
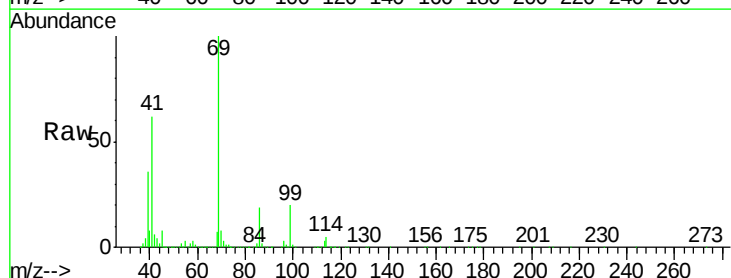
RT: 9.18 min Scan# 1317

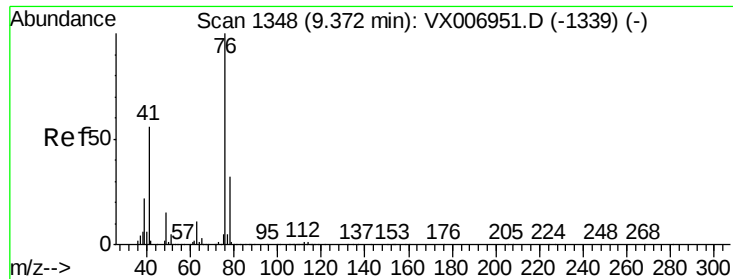
Delta R.T. -0.00 min

Lab File: VX007013.D

Acq: 11 Jan 2019 15:03

Tgt Ion:	69	Resp:	168076
Ion Ratio	Lower	Upper	
69	100		
41	64.4	48.7	73.1
39	36.0	27.0	40.6





#57

1,3-Dichloropropane

Concen: 20.214 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX007013.D

Acq: 11 Jan 2019 15:03

Instrument :

MSVOA_X

ClientSampled :

VX0111WBS01

Tot Ion: 76 Resp: 183944

Ion Ratio Lower Upper

76 100

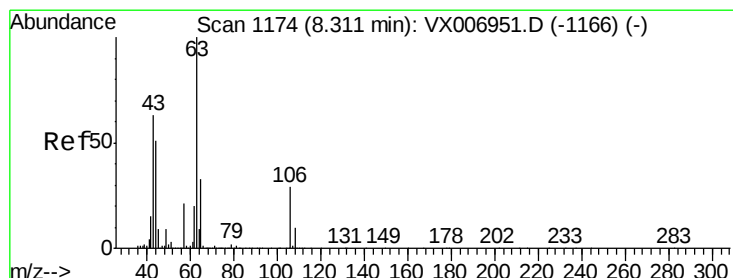
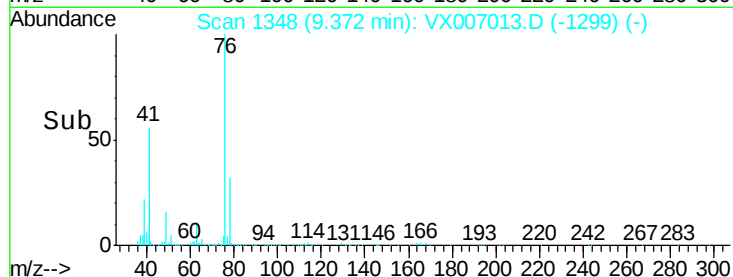
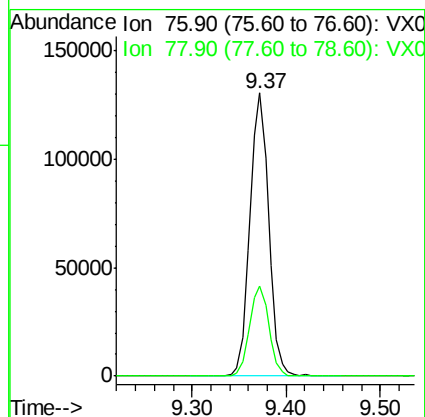
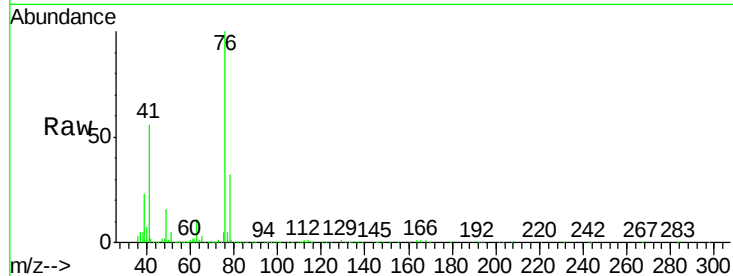
78 32.9 26.0 39.0

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 100.486 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX007013.D

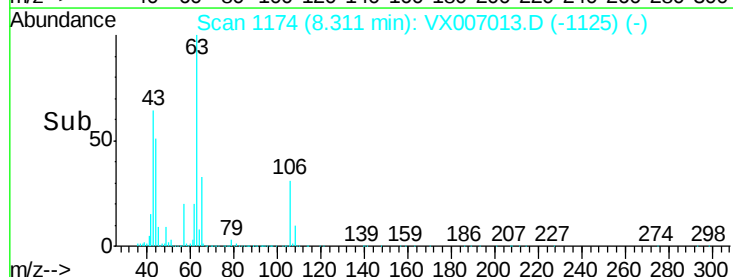
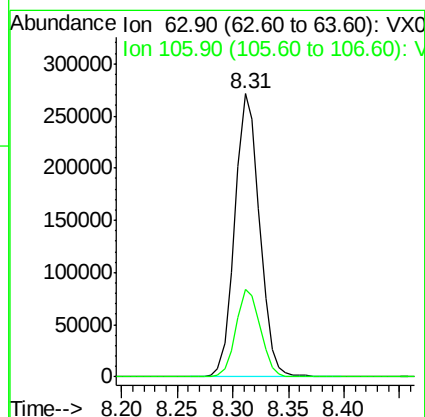
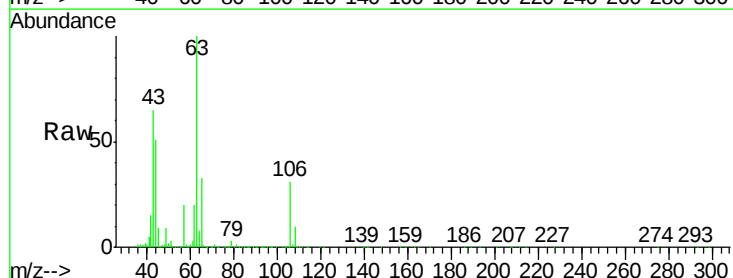
Acq: 11 Jan 2019 15:03

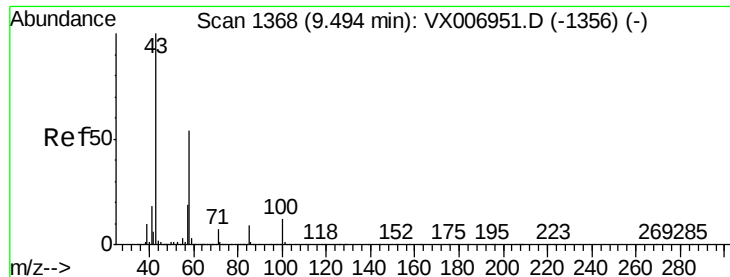
Tgt Ion: 63 Resp: 418943

Ion Ratio Lower Upper

63 100

106 30.7 24.6 36.8





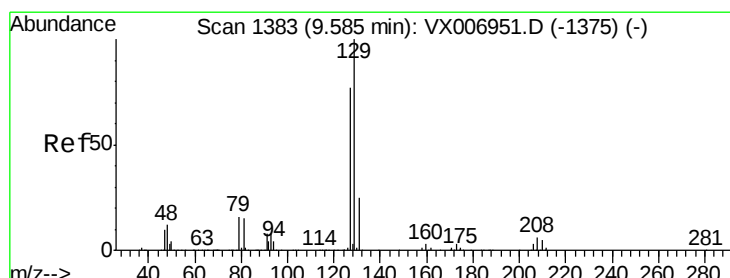
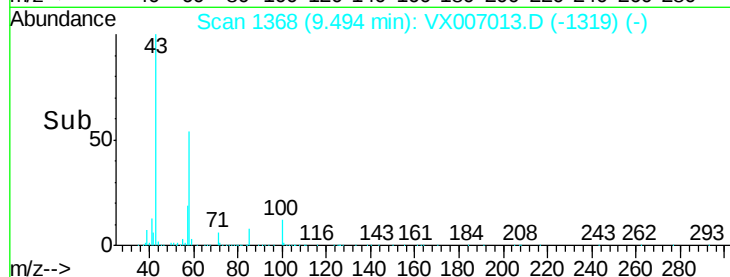
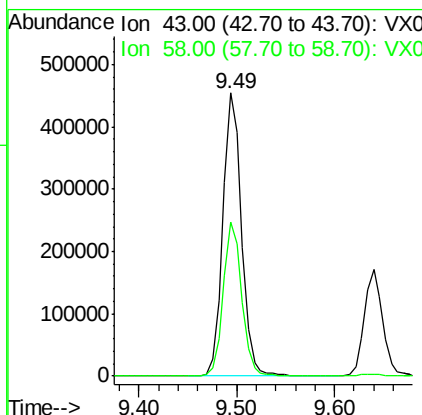
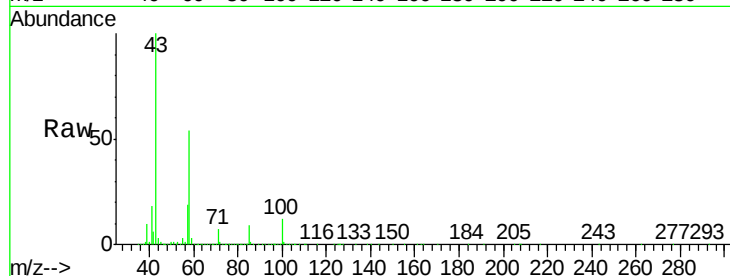
#59
2-Hexanone
Concen: 102.580 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007013.D
Acq: 11 Jan 2019 15:03

Instrument :
MSVOA_X
ClientSampleId :
VX0111WBS01

Tot Ion: 43 Resp: 601139
Ion Ratio Lower Upper
43 100
58 54.3 27.7 83.1

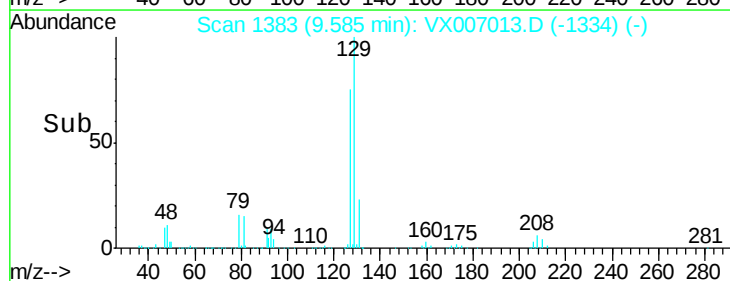
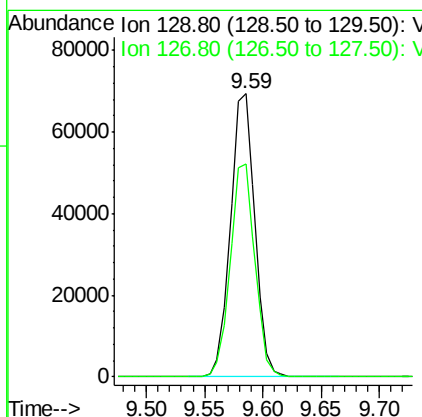
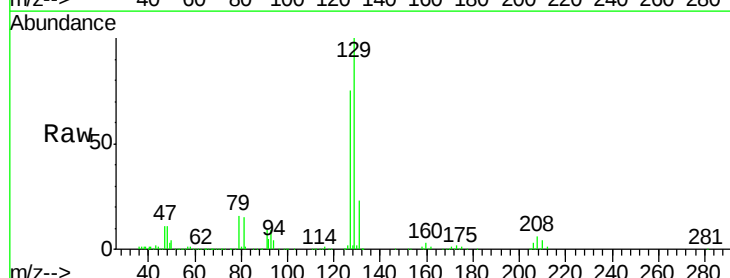
Manual Integrations
APPROVED

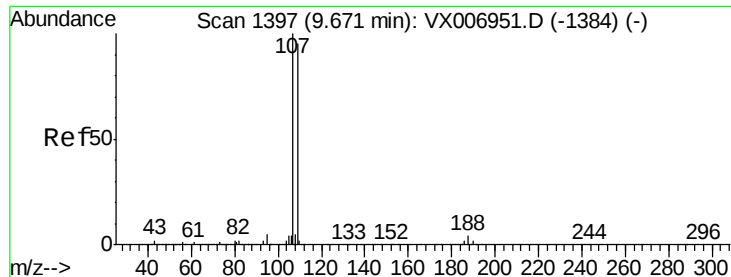
MMDadoda
1/14/2019 10:40:47 AM



#60
Dibromochloromethane
Concen: 18.764 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX007013.D
Acq: 11 Jan 2019 15:03

Tgt Ion: 129 Resp: 101203
Ion Ratio Lower Upper
129 100
127 76.1 39.3 117.8





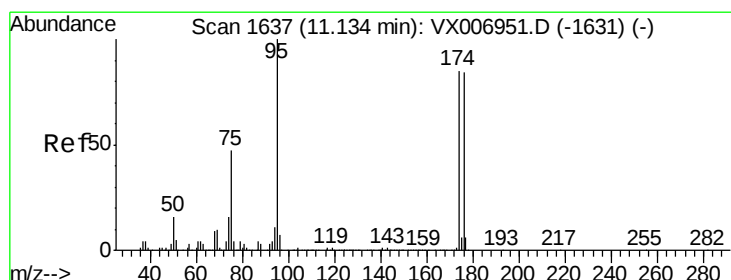
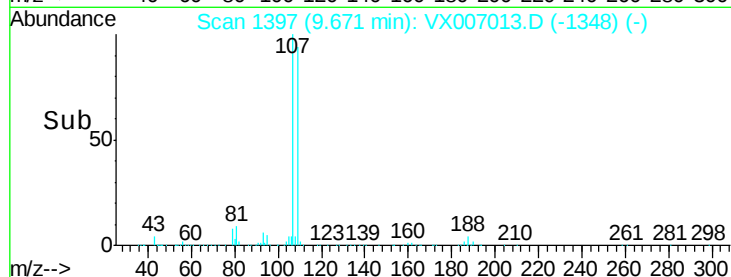
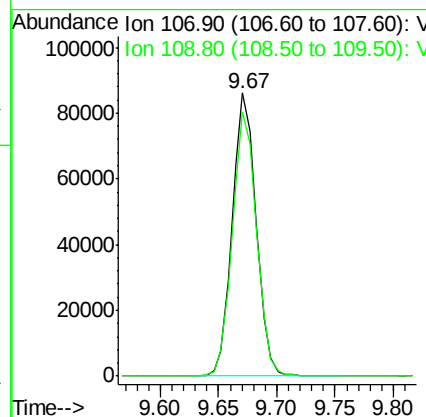
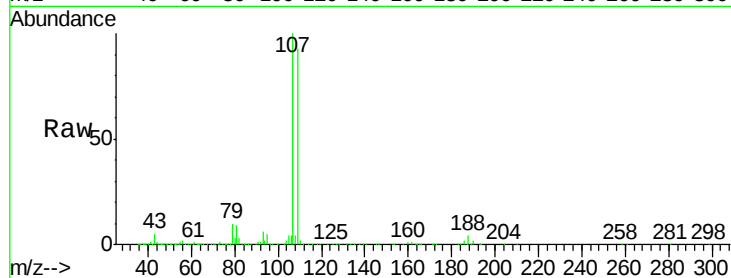
#61
 1,2-Dibromoethane
 Concen: 20.005 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX007013.D
 Acq: 11 Jan 2019 15:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0111WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	75.8	113.6

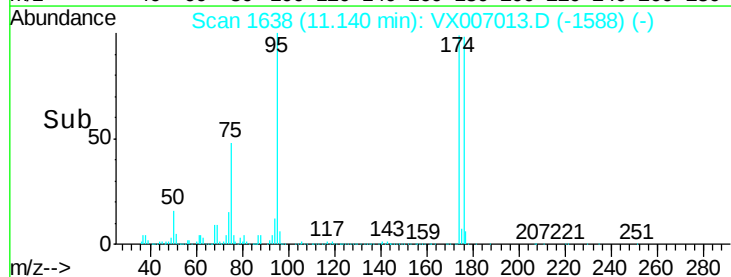
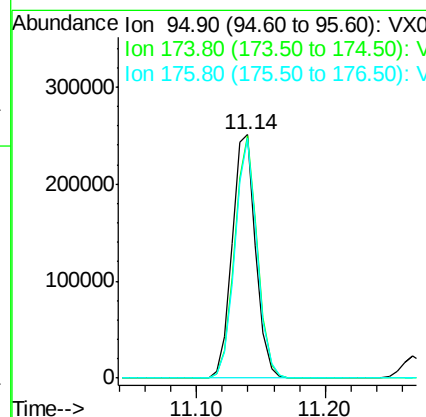
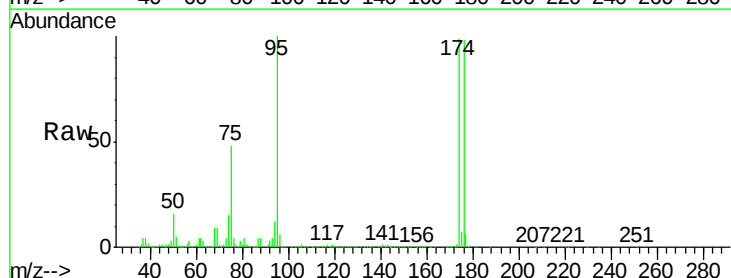
Manual Integrations
 APPROVED

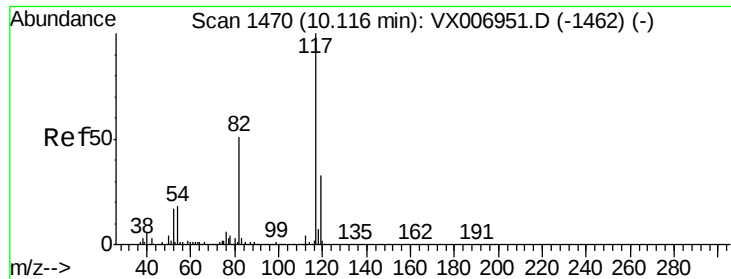
MMDadoda
 1/14/2019 10:40:47 AM



#62
 4-Bromofluorobenzene
 Concen: 48.509 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.01 min
 Lab File: VX007013.D
 Acq: 11 Jan 2019 15:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.2	0.0	182.2
176	92.7	0.0	178.8





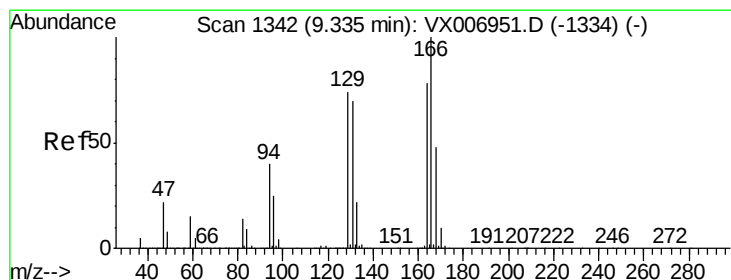
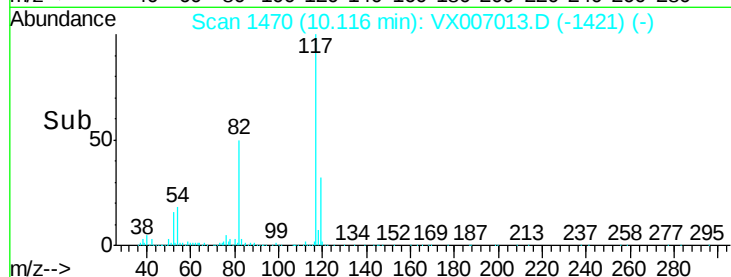
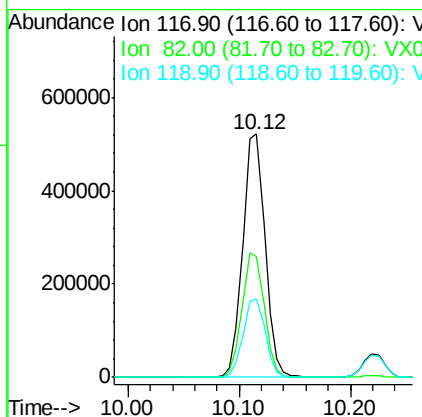
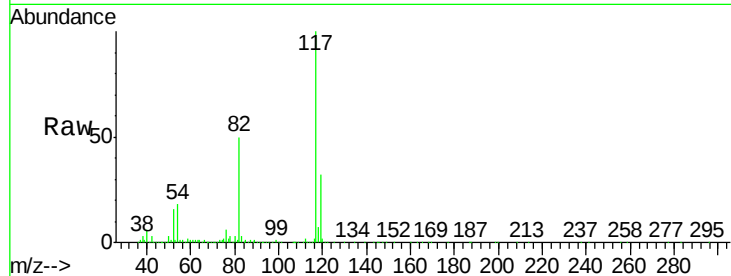
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX007013.D
Acq: 11 Jan 2019 15:03

Instrument :
MSVOA_X
ClientSampleId :
VX0111WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.7	41.0	61.6
119	32.1	25.4	38.0

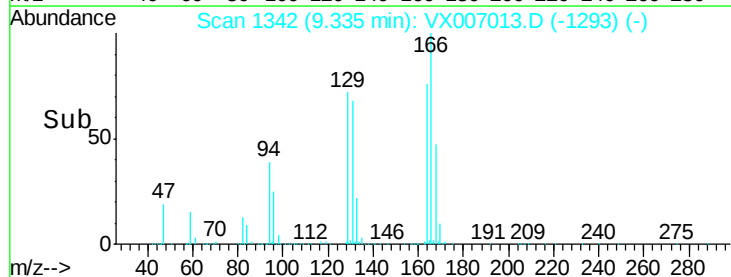
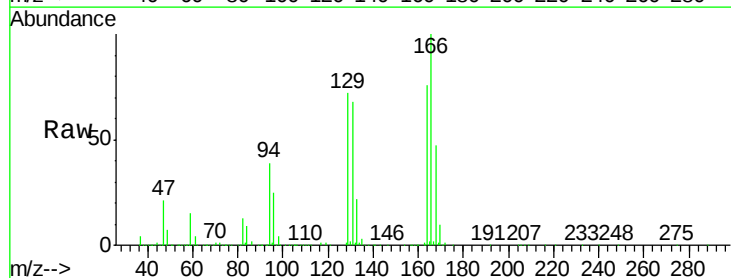
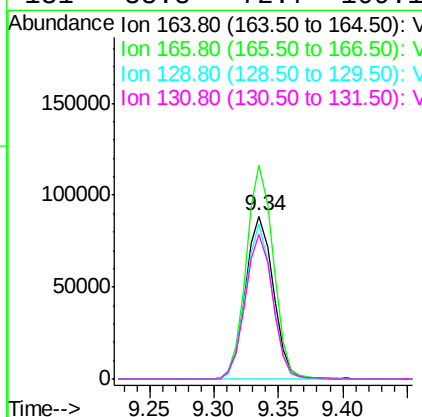
Manual Integrations
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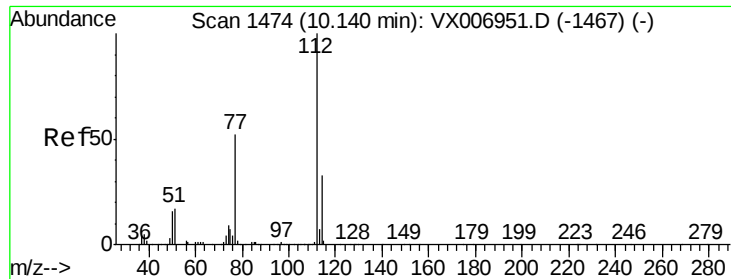
MMDadoda
1/14/2019 10:40:47 AM



#64
Tetrachloroethene
Concen: 20.861 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007013.D
Acq: 11 Jan 2019 15:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.0	102.5	153.7
129	94.7	75.1	112.7
131	88.8	72.7	109.1





#65

Chlorobenzene

Concen: 19.982 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX007013.D

Acq: 11 Jan 2019 15:03

Instrument :

MSVOA_X

ClientSampleId :

VX0111WBS01

Tot Ion:112 Resp: 317428

Ion Ratio Lower Upper

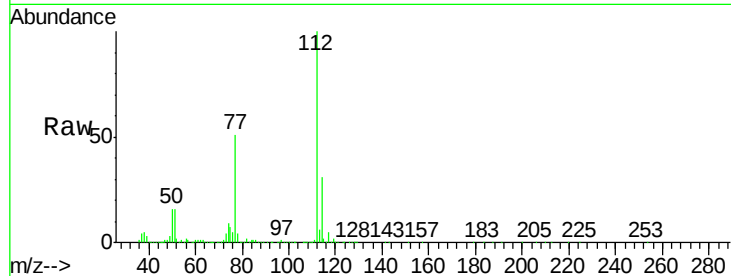
112 100

114 31.3 25.7 38.5

Manual Integrations
APPROVED

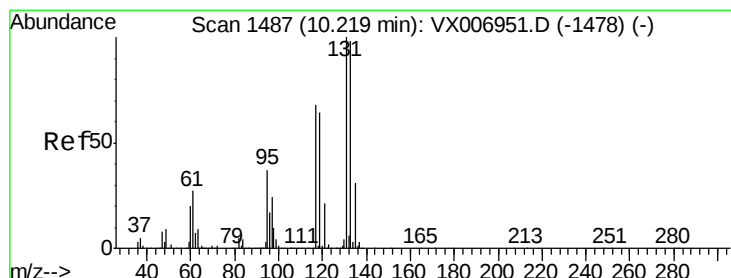
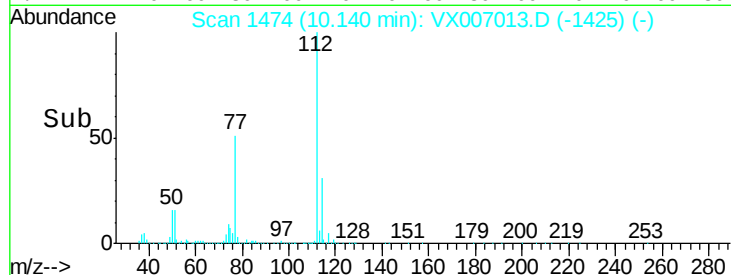
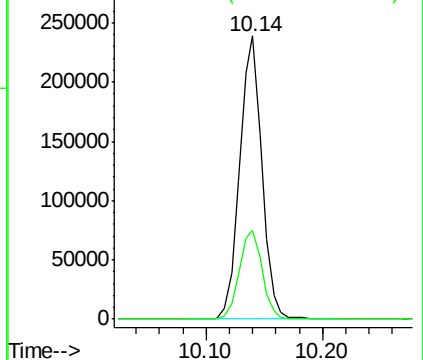
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.918 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX007013.D

Acq: 11 Jan 2019 15:03

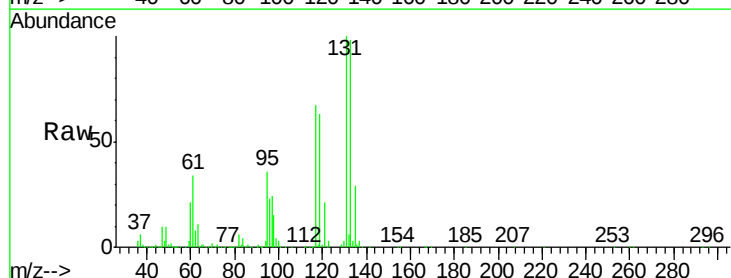
Tgt Ion:131 Resp: 106443

Ion Ratio Lower Upper

131 100

133 96.7 48.0 144.2

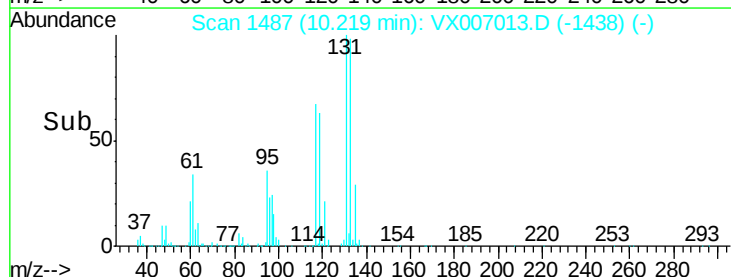
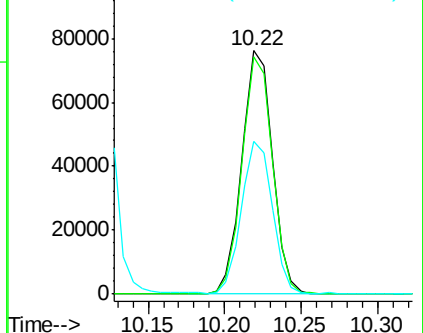
119 62.7 32.6 97.8

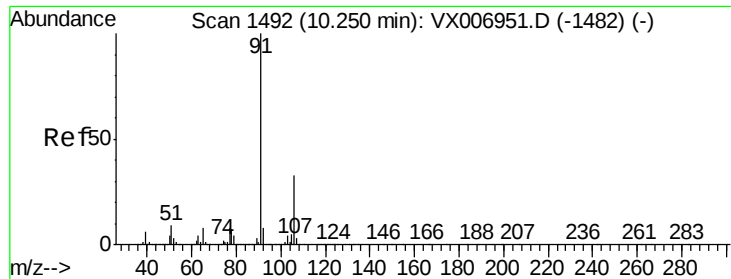


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.704 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007013.D

Acq: 11 Jan 2019 15:03

Instrument :

MSVOA_X

ClientSampleId :

VX0111WBS01

Tot Ion: 91 Resp: 516766

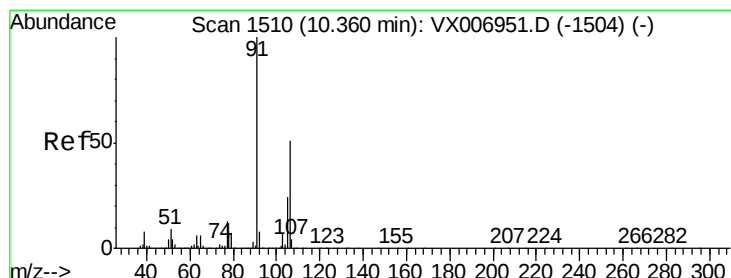
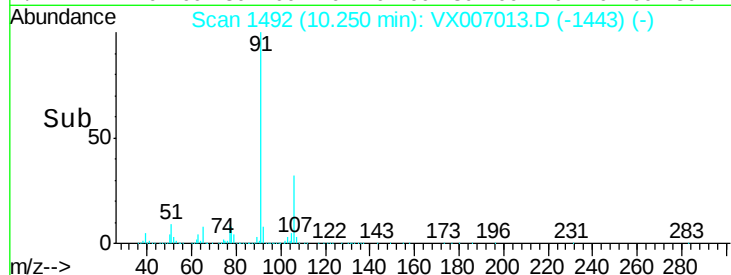
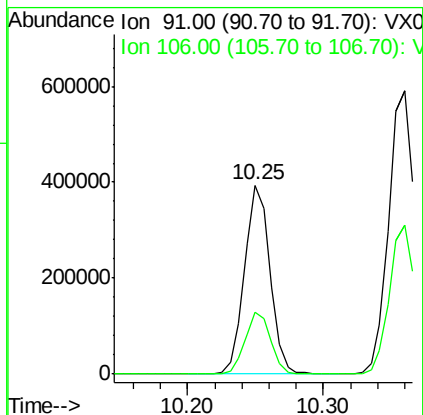
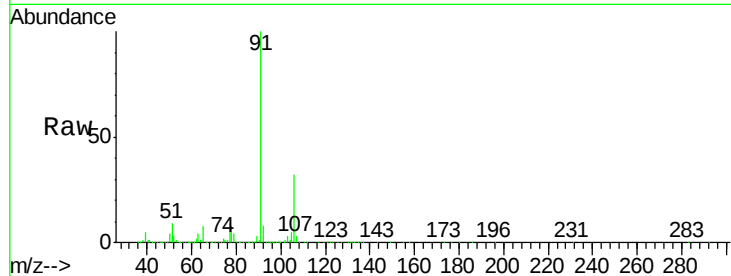
Ion Ratio Lower Upper

91 100

106 32.4 26.4 39.6

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#68

m/p-Xylenes

Concen: 40.134 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007013.D

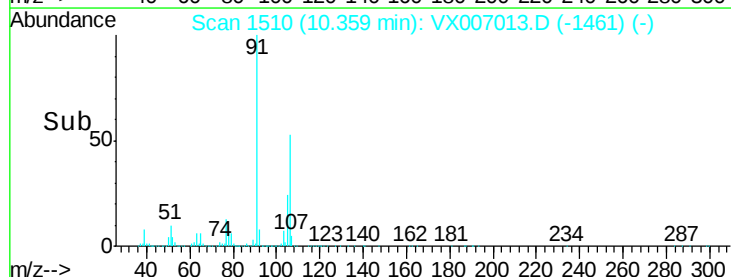
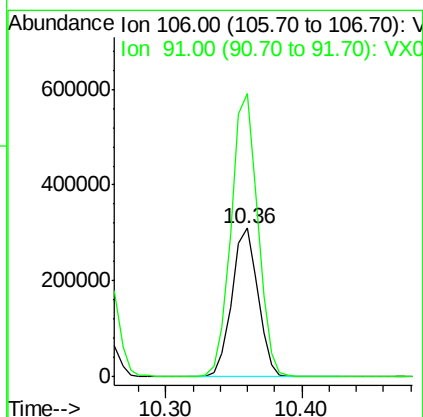
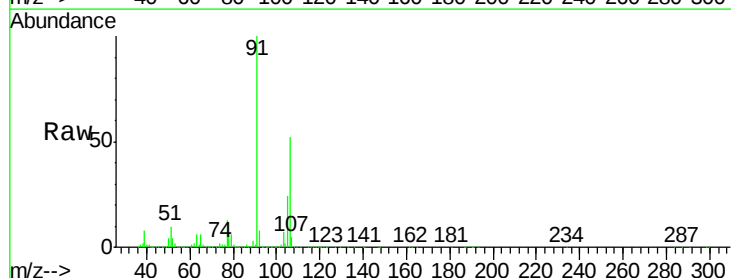
Acq: 11 Jan 2019 15:03

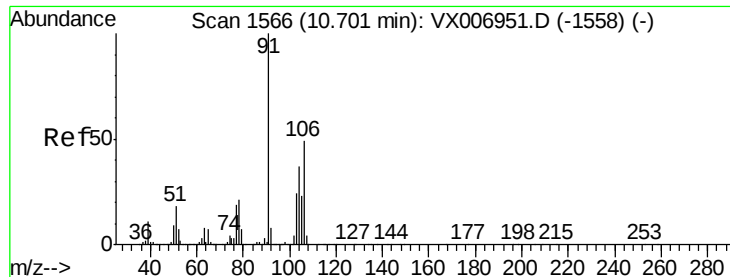
Tgt Ion: 106 Resp: 414685

Ion Ratio Lower Upper

106 100

91 193.7 155.8 233.6





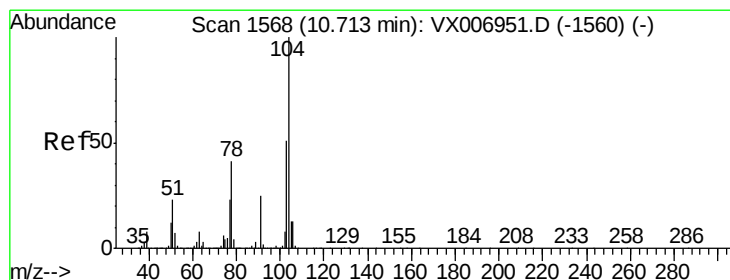
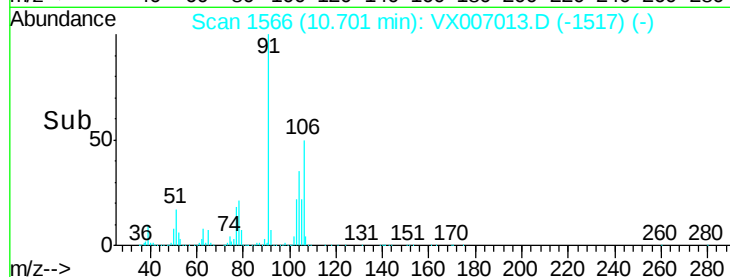
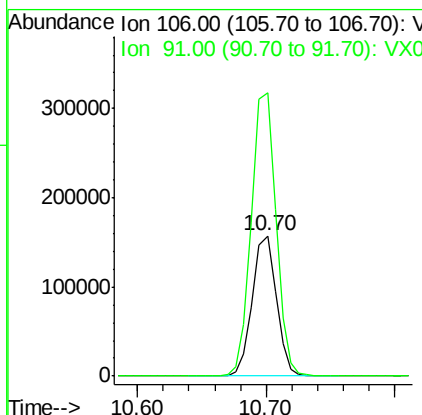
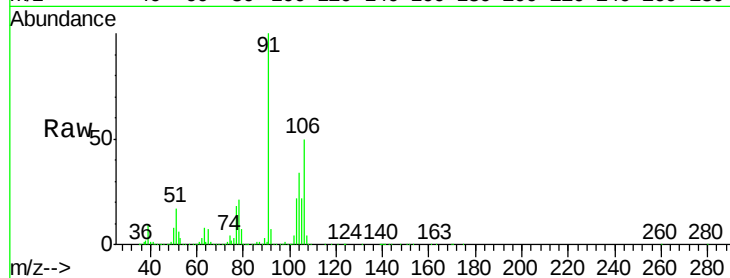
#69
o-Xylene
Concen: 20.078 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX007013.D
Acq: 11 Jan 2019 15:03

Instrument :
MSVOA_X
ClientSampleId :
VX0111WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	206.8	101.3	303.7

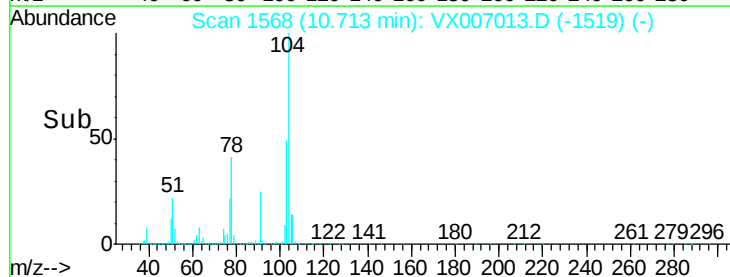
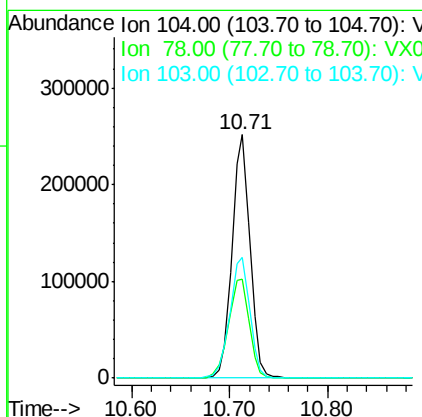
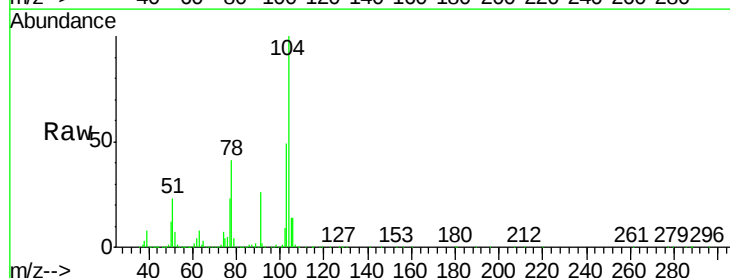
Manual Integrations
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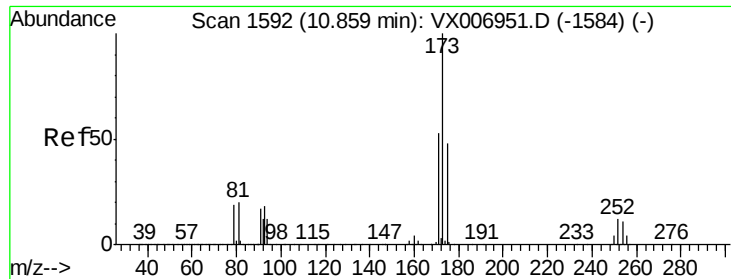
MMDadoda
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#70
Styrene
Concen: 20.112 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007013.D
Acq: 11 Jan 2019 15:03

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.5	37.7	56.5
103	55.4	43.8	65.8





#71

Bromoform

Concen: 18.085 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX007013.D

Acq: 11 Jan 2019 15:03

Instrument :

MSVOA_X

ClientSampleId :

VX0111WBS01

Tot Ion:173 Resp: 70533

Ion Ratio Lower Upper

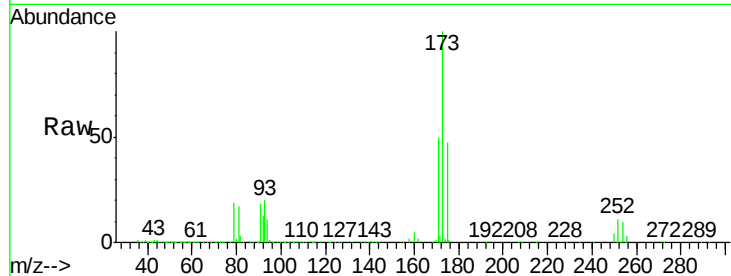
173 100

175 49.7 24.7 74.1

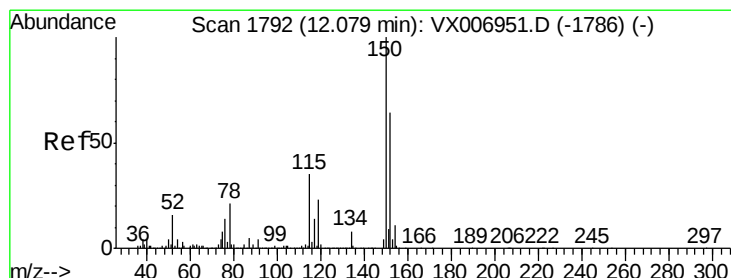
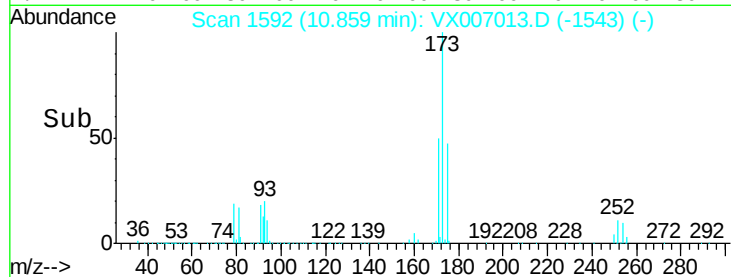
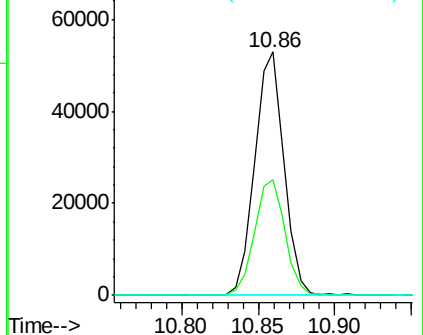
254 0.3 0.2 0.2#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007013.D

Acq: 11 Jan 2019 15:03

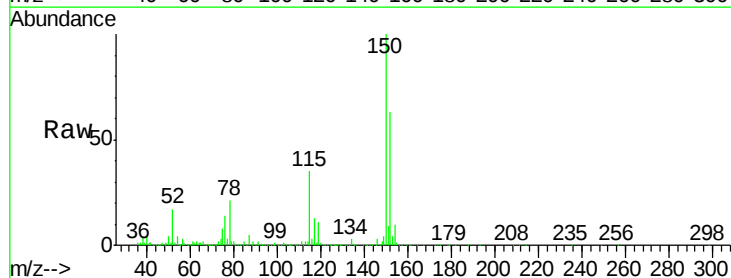
Tgt Ion:152 Resp: 368239

Ion Ratio Lower Upper

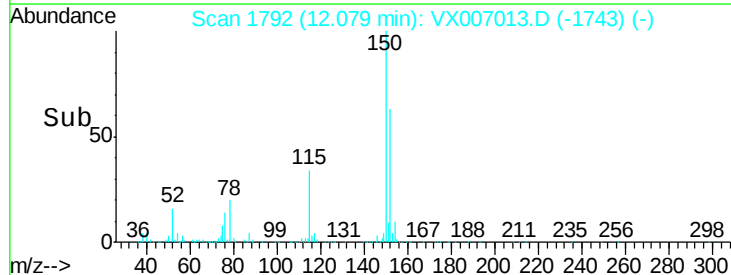
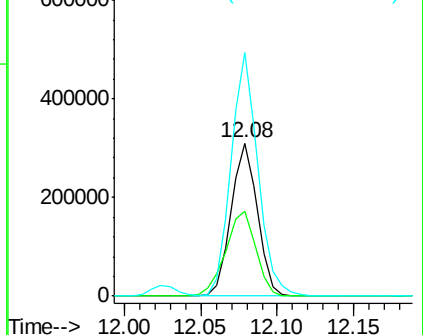
152 100

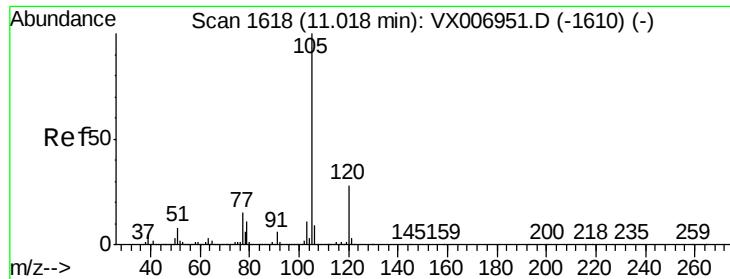
115 64.9 39.1 117.2

150 163.2 0.0 344.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.512 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007013.D

Acq: 11 Jan 2019 15:03

Instrument :

MSVOA_X

ClientSampleId :

VX0111WBS01

Tot Ion: 105 Resp: 532619

Ion Ratio Lower Upper

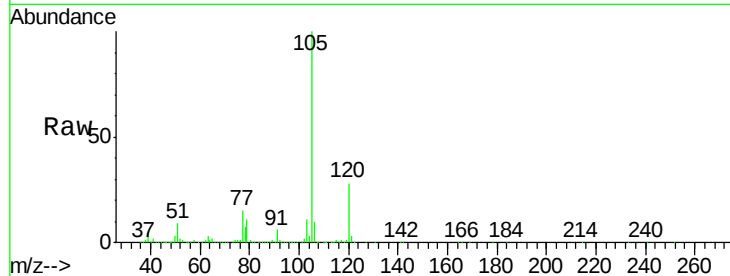
105 100

120 27.6 14.1 42.4

Manual Integrations
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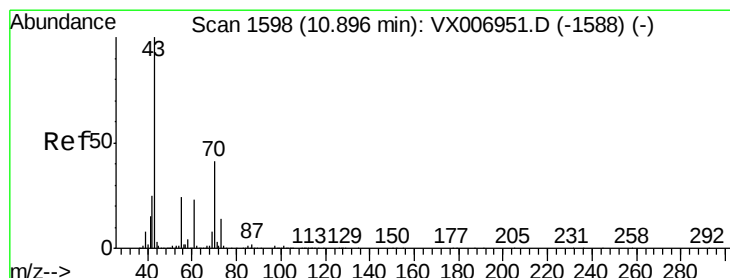
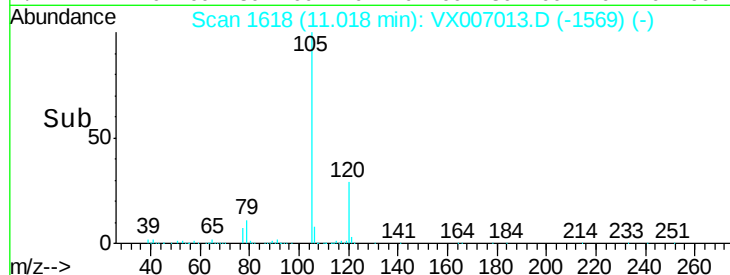
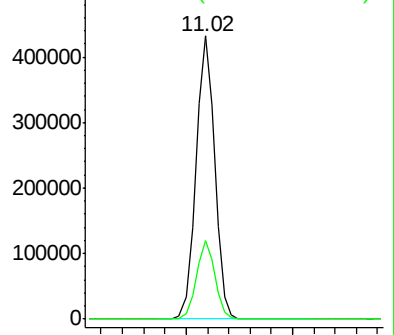
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.116 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007013.D

Acq: 11 Jan 2019 15:03

Tgt Ion: 43 Resp: 210299

Ion Ratio Lower Upper

43 100

70 42.1 35.8 53.8

55 24.4 19.4 29.0

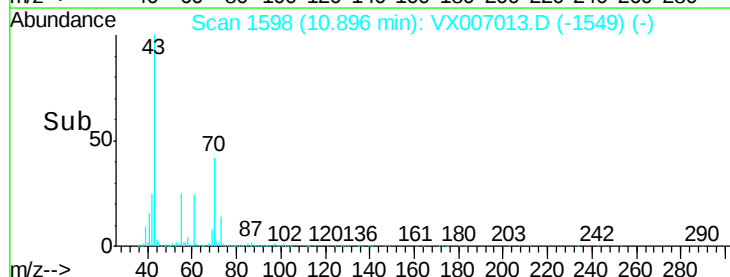
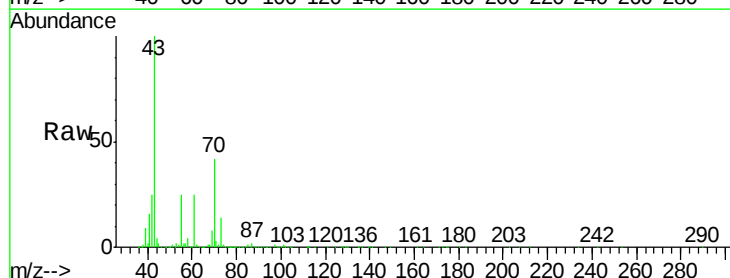
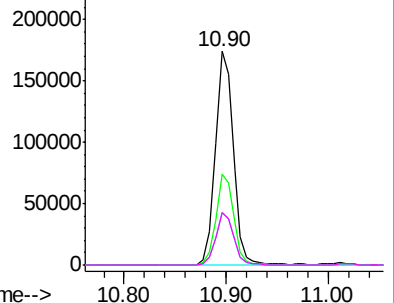
61 24.4 20.1 30.1

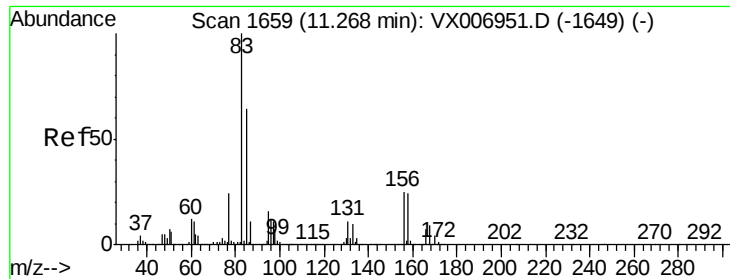
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.889 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX007013.D

Acq: 11 Jan 2019 15:03

Instrument :

MSVOA_X

ClientSampleId :

VX0111WBS01

Tot Ion: 83 Resp: 163953
Ion Ratio Lower Upper

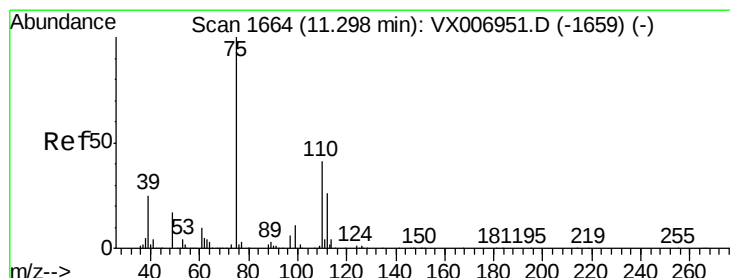
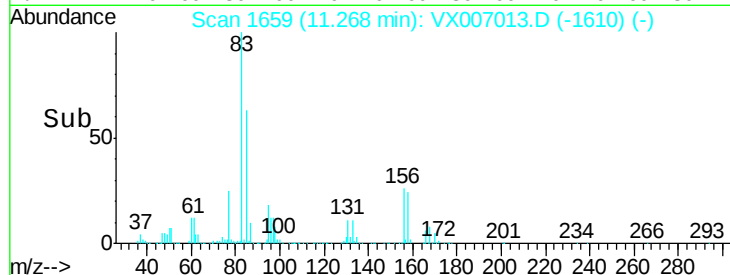
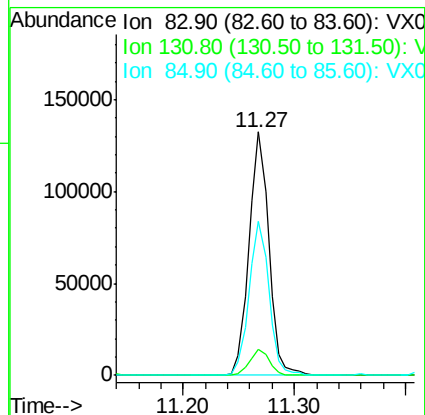
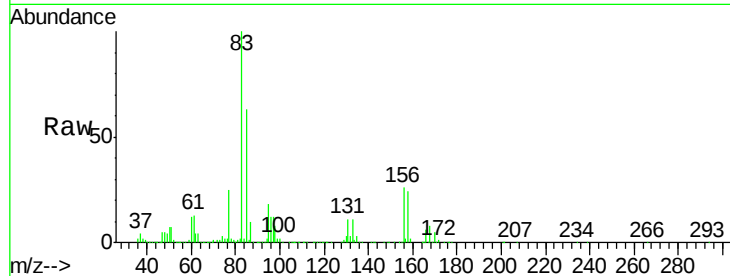
83 100

131 10.8 5.7 17.1

85 64.1 32.2 96.6

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#76

1,2,3-Trichloropropane

Concen: 20.314 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

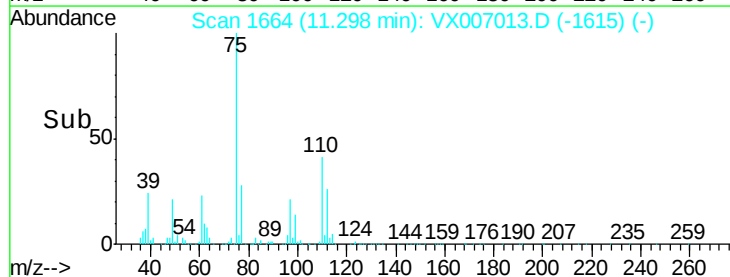
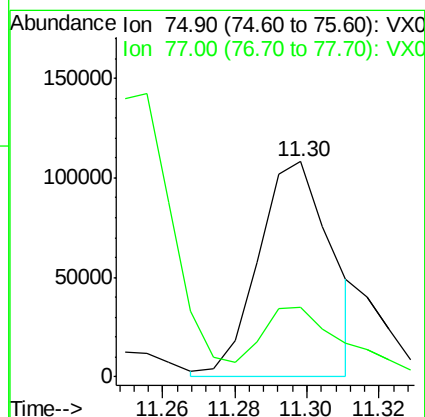
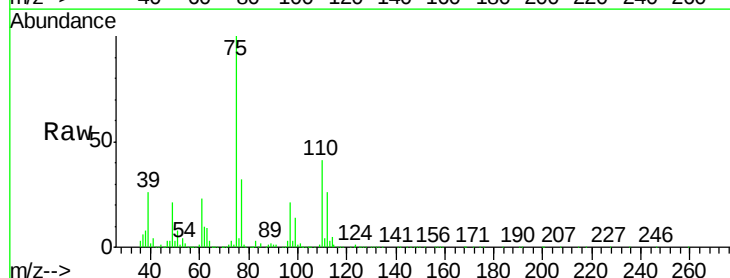
Lab File: VX007013.D

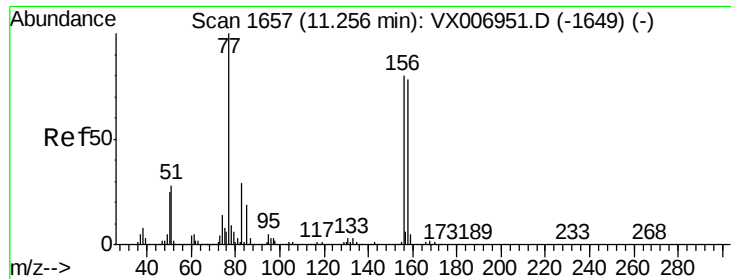
Acq: 11 Jan 2019 15:03

Tgt Ion: 75 Resp: 151590
Ion Ratio Lower Upper

75 100

77 37.1 18.5 55.5





#77

Bromobenzene

Concen: 20.478 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007013.D

Acq: 11 Jan 2019 15:03

Instrument :

MSVOA_X

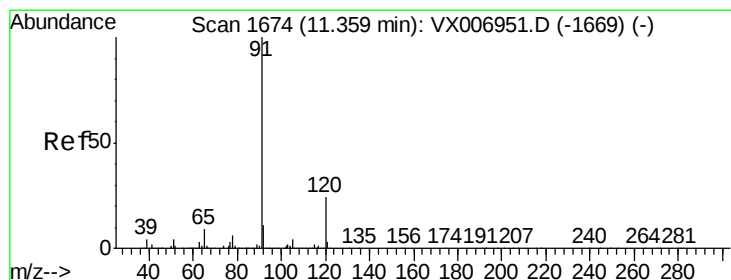
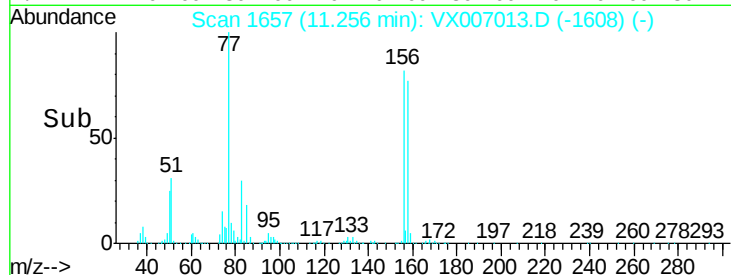
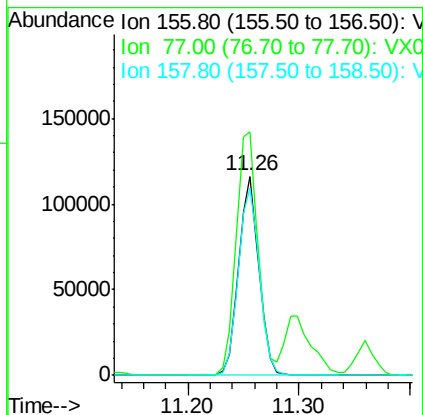
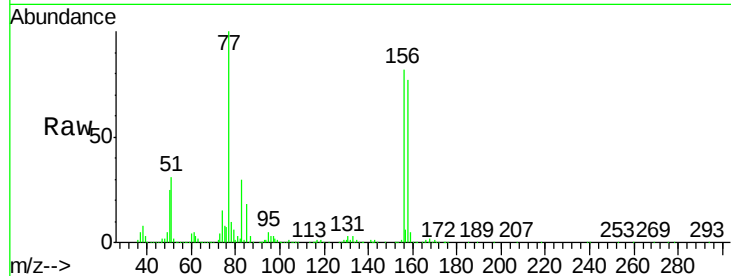
ClientSampleId :

VX0111WBS01

Tot Ion:	156	Resp:	146513
Ion Ratio	Lower	Upper	
156	100		
77	132.0	68.0	204.0
158	97.5	48.3	144.8

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#78

n-propylbenzene

Concen: 20.600 ug/l

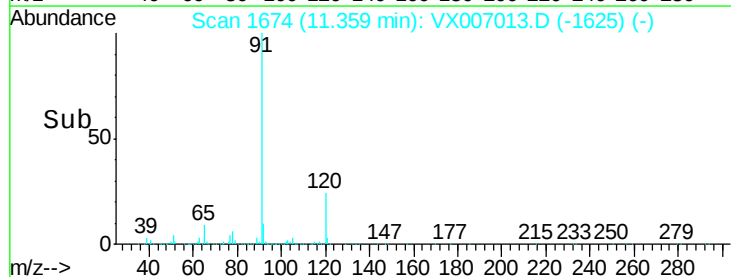
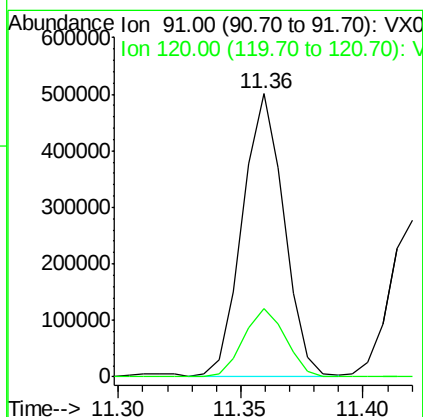
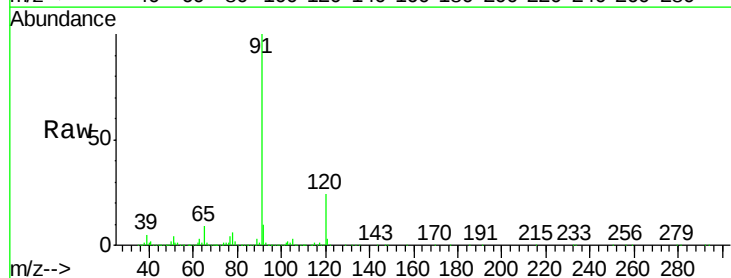
RT: 11.36 min Scan# 1674

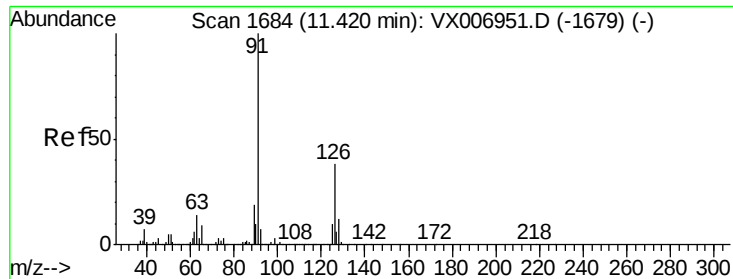
Delta R.T. -0.00 min

Lab File: VX007013.D

Acq: 11 Jan 2019 15:03

Tgt Ion:	91	Resp:	587210
Ion Ratio	Lower	Upper	
91	100		
120	24.8	12.7	38.0





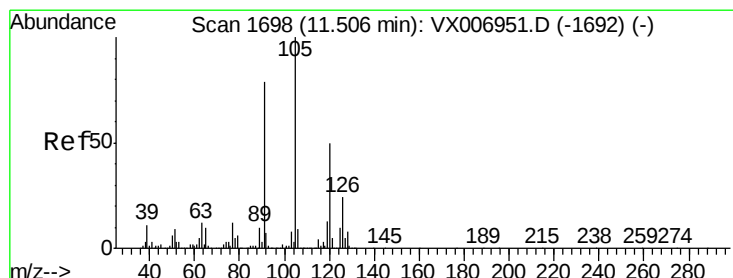
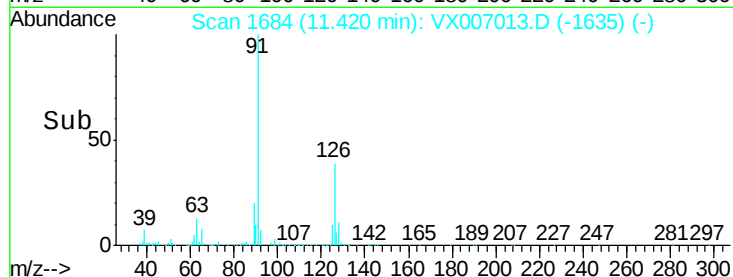
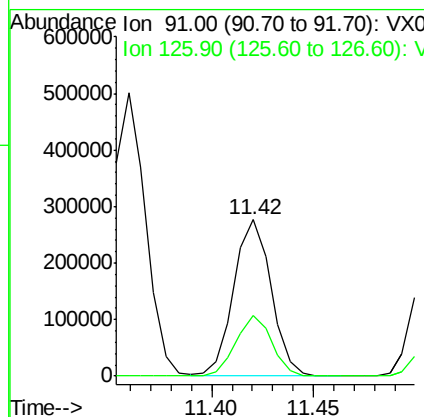
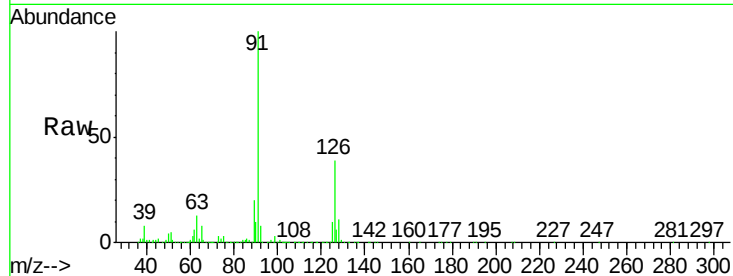
#79
2-Chlorotoluene
Concen: 20.271 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VX007013.D
Acq: 11 Jan 2019 15:03

Instrument :
MSVOA_X
ClientSampleId :
VX0111WBS01

Tot Ion: 91 Resp: 347823
Ion Ratio Lower Upper
91 100
126 37.7 18.6 56.0

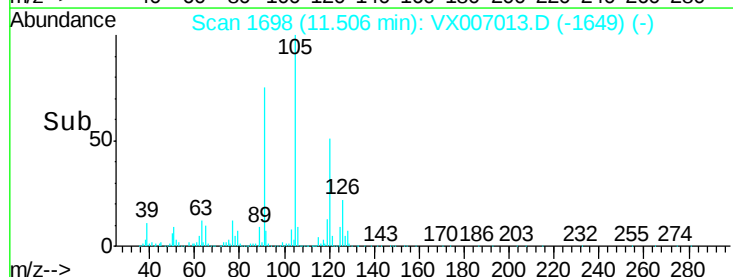
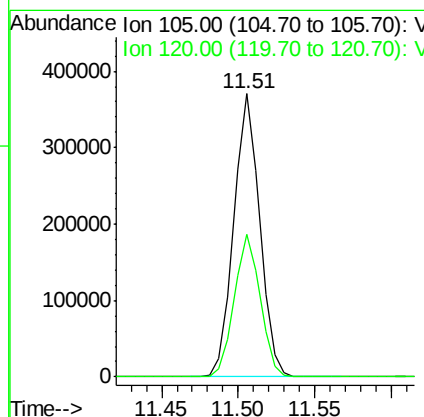
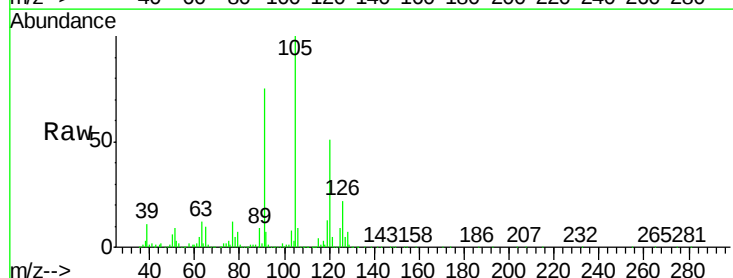
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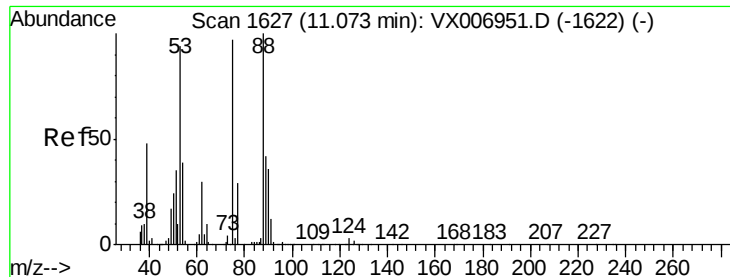
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 20.061 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX007013.D
Acq: 11 Jan 2019 15:03

Tgt Ion: 105 Resp: 435246
Ion Ratio Lower Upper
105 100
120 50.4 25.1 75.3





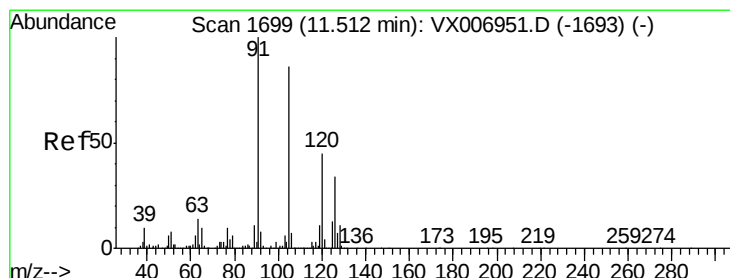
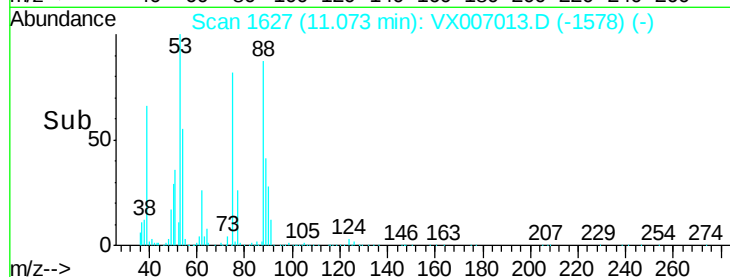
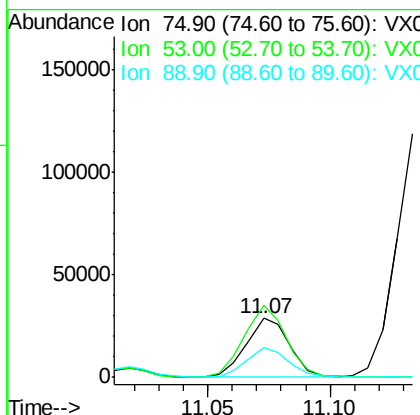
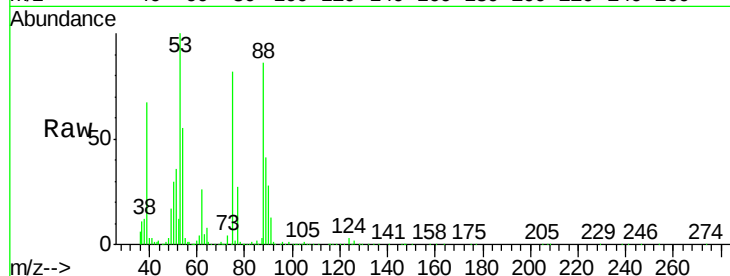
#81
trans-1,4-Dichloro-2-butene
Concen: 16.917 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX007013.D
Acq: 11 Jan 2019 15:03

Instrument :
MSVOA_X
ClientSampleId :
VX0111WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	119.7	79.7	119.5#
89	49.3	38.0	57.0

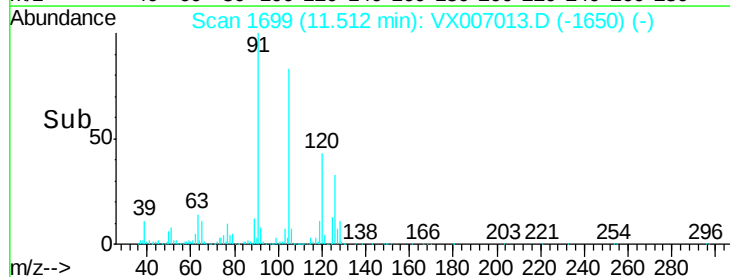
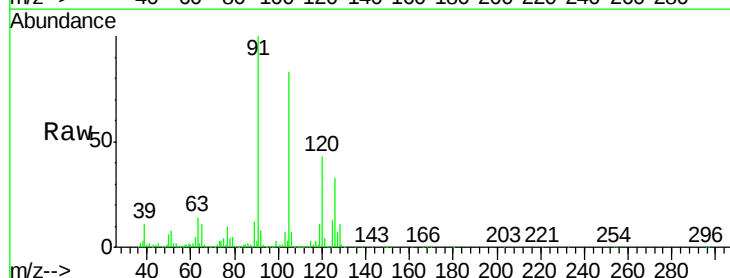
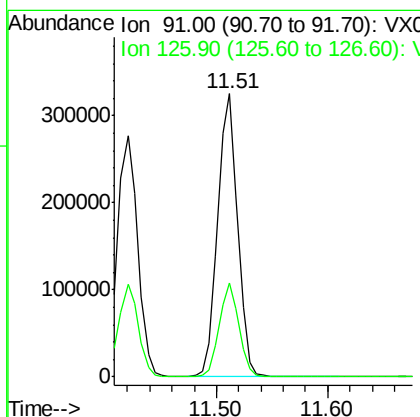
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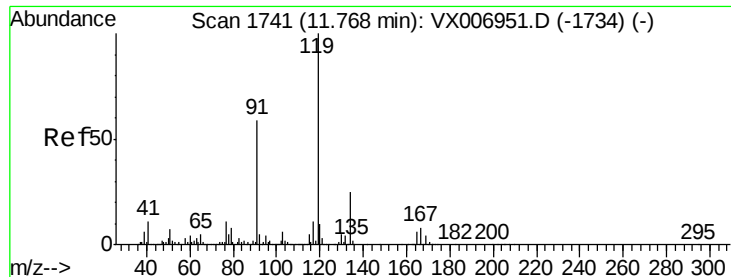
MMDadoda
1/14/2019 10:40:47 AM



#82
4-Chlorotoluene
Concen: 20.271 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX007013.D
Acq: 11 Jan 2019 15:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.3	48.9





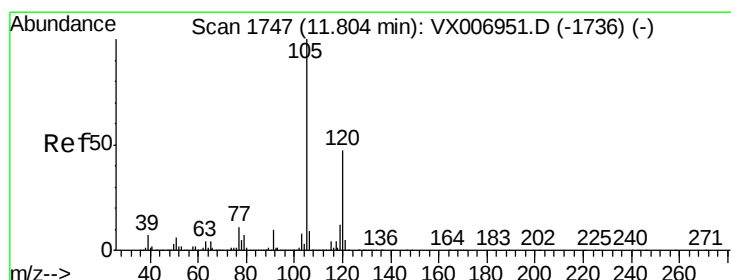
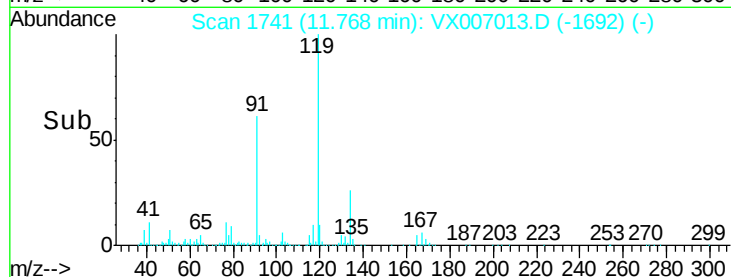
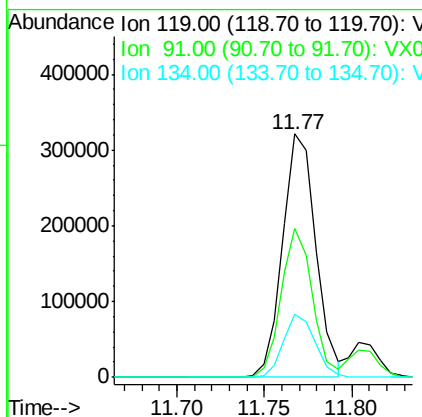
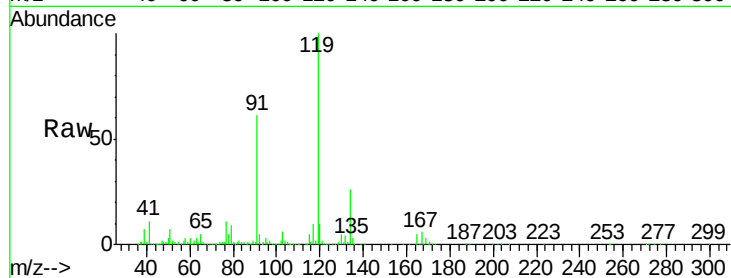
#83
tert-Butylbenzene
Concen: 19.650 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX007013.D
Acq: 11 Jan 2019 15:03

Instrument :
MSVOA_X
ClientSampleId :
VX0111WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.5	27.7	83.1
134	24.8	11.9	35.5

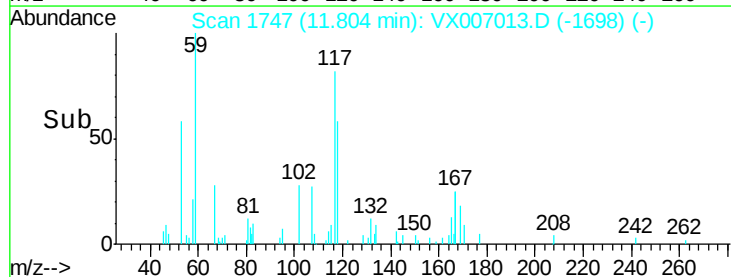
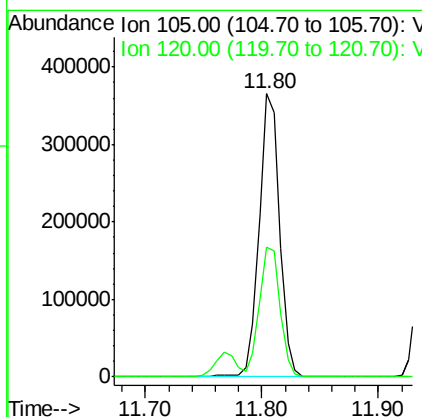
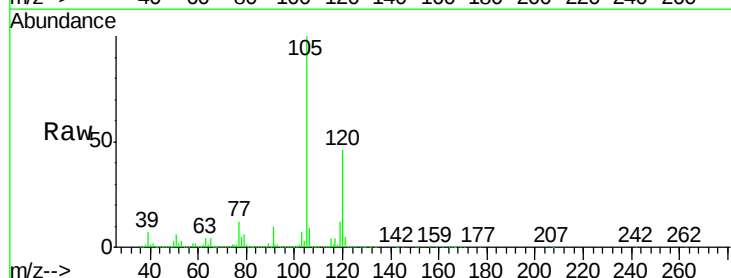
Manual Integrations
APPROVED

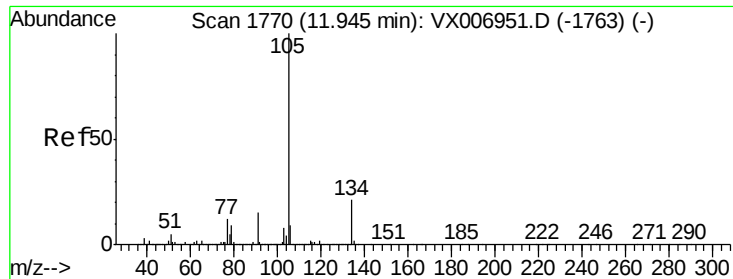
MMDadoda
1/14/2019 10:40:47 AM



#84
1,2,4-Trimethylbenzene
Concen: 20.505 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX007013.D
Acq: 11 Jan 2019 15:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.2	69.6





#85

sec-Butylbenzene

Concen: 20.671 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007013.D

Acq: 11 Jan 2019 15:03

Instrument :

MSVOA_X

ClientSampleId :

VX0111WBS01

Tot Ion:105 Resp: 534408

Ion Ratio Lower Upper

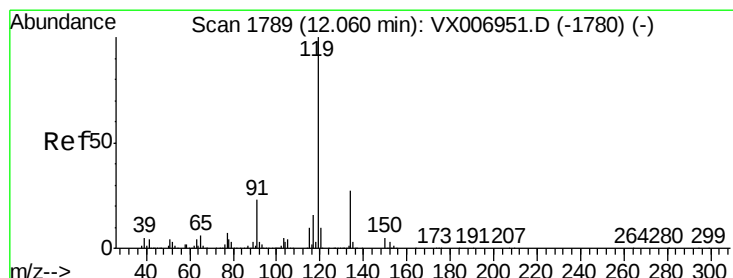
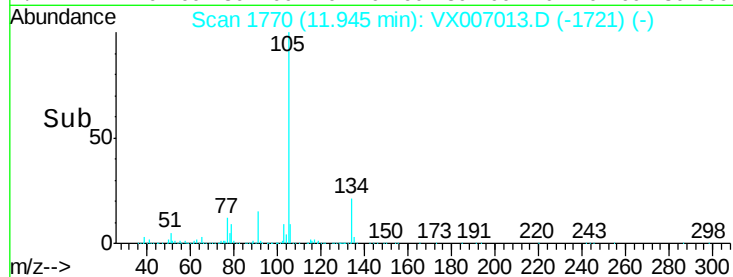
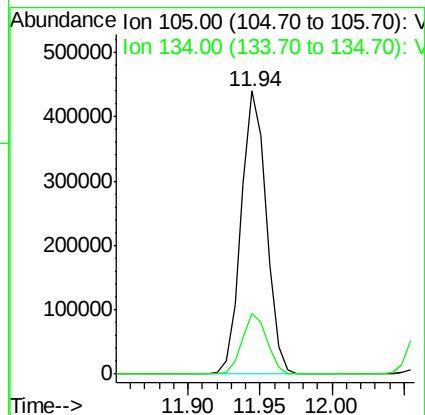
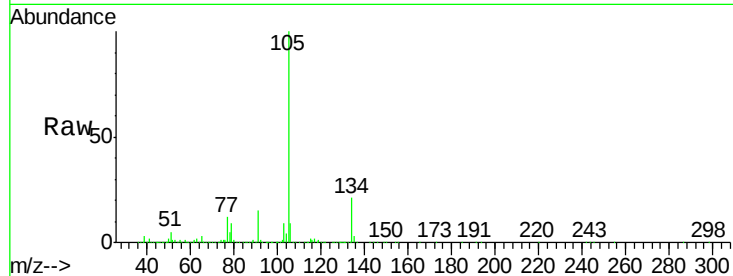
105 100

134 21.3 10.7 31.9

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#86

p-Isopropyltoluene

Concen: 20.345 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX007013.D

Acq: 11 Jan 2019 15:03

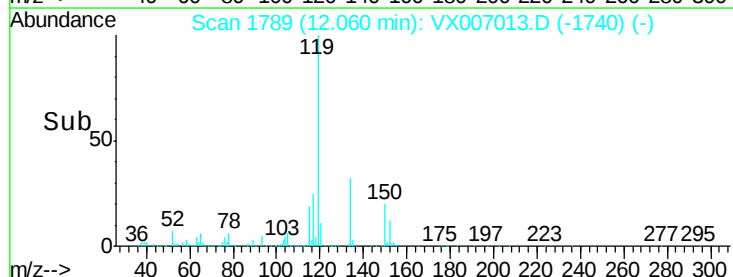
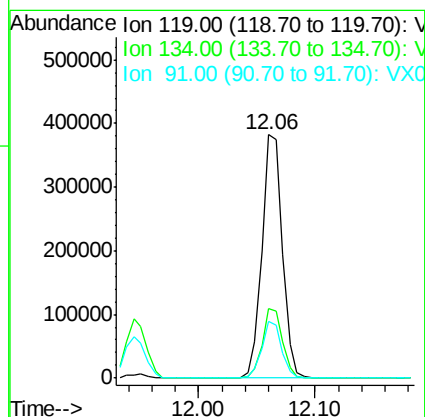
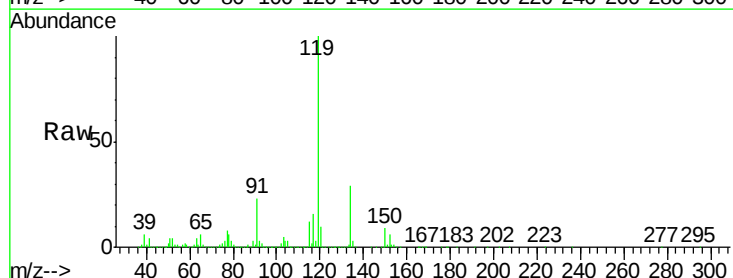
Tgt Ion:119 Resp: 470458

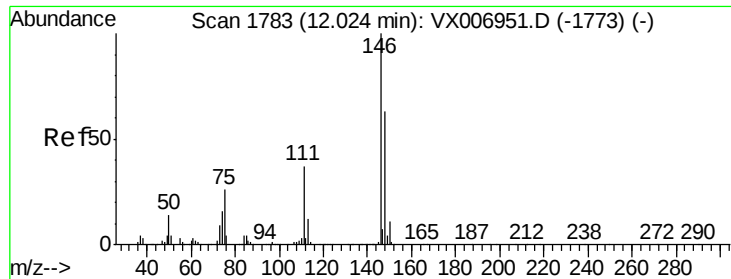
Ion Ratio Lower Upper

119 100

134 28.2 14.0 41.9

91 22.5 11.3 33.9





#87

1,3-Dichlorobenzene

Concen: 19.781 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX007013.D

Acq: 11 Jan 2019 15:03

Instrument :

MSVOA_X

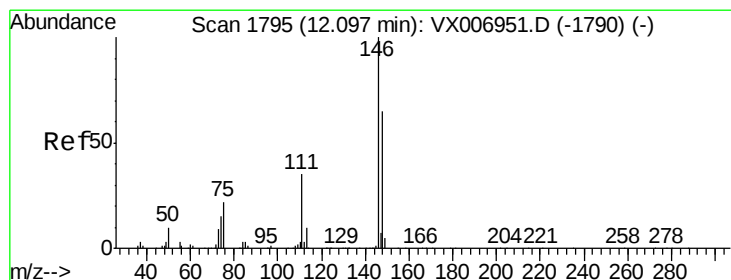
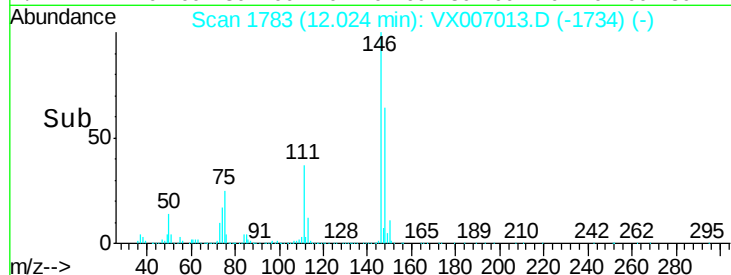
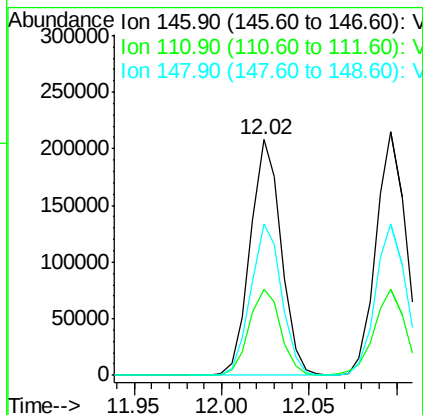
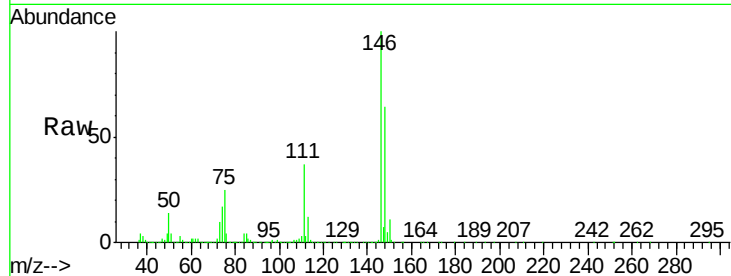
ClientSampleId :

VX0111WBS01

Tot Ion:	146	Resp:	255799
Ion Ratio	Lower	Upper	
146	100		
111	37.3	18.6	55.8
148	64.2	31.8	95.3

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#88

1,4-Dichlorobenzene

Concen: 21.002 ug/l

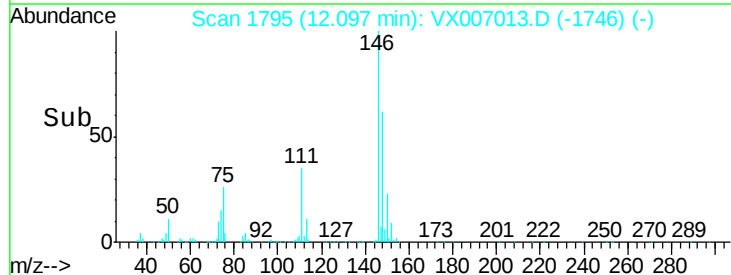
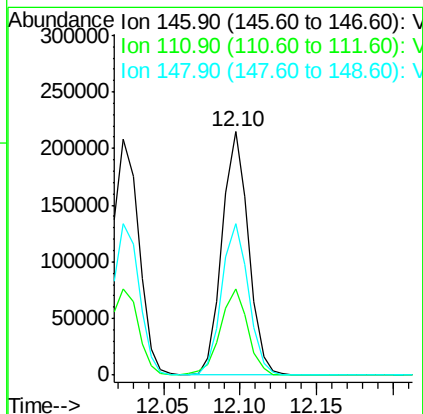
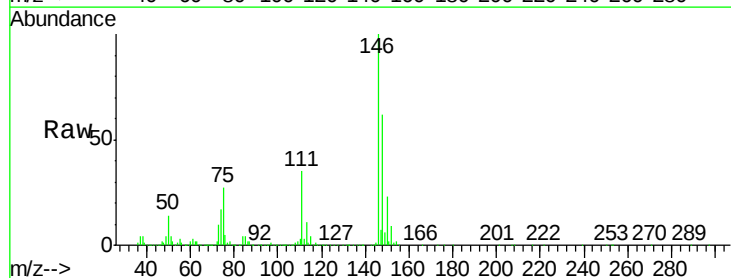
RT: 12.10 min Scan# 1795

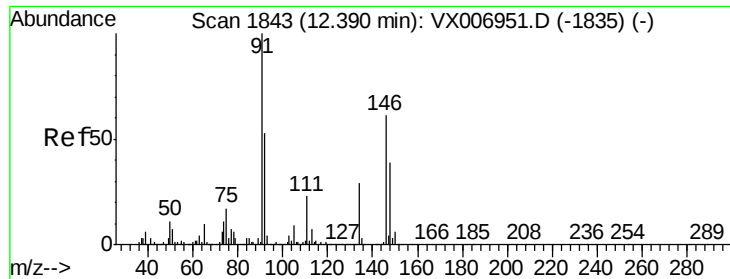
Delta R.T. -0.00 min

Lab File: VX007013.D

Acq: 11 Jan 2019 15:03

Tgt Ion:	146	Resp:	256292
Ion Ratio	Lower	Upper	
146	100		
111	36.9	18.1	54.1
148	63.7	31.9	95.9





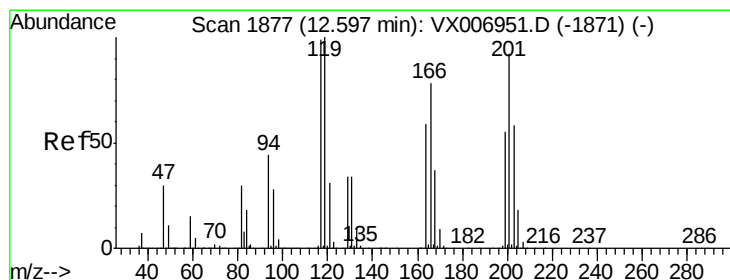
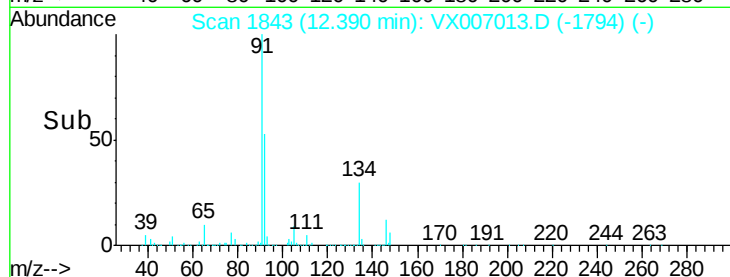
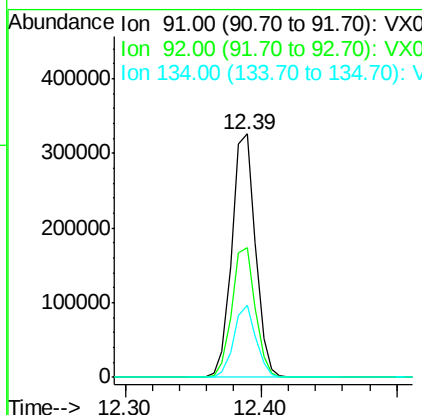
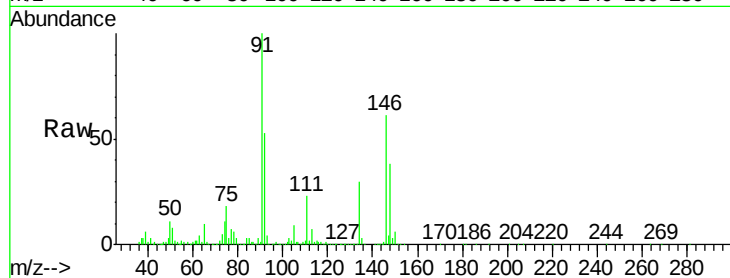
#89
n-Butylbenzene
Concen: 19.971 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX007013.D
Acq: 11 Jan 2019 15:03

Instrument :
MSVOA_X
ClientSampleId :
VX0111WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	393694		
92	52.9	26.8	80.4	
134	28.0	14.4	43.2	

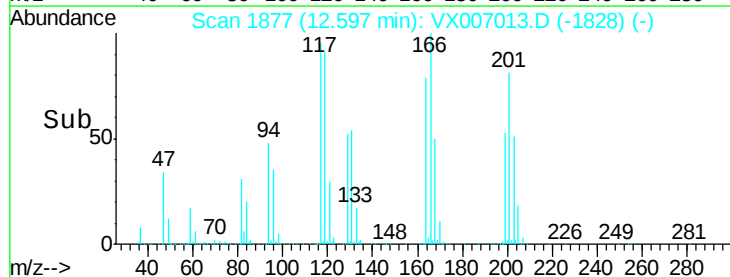
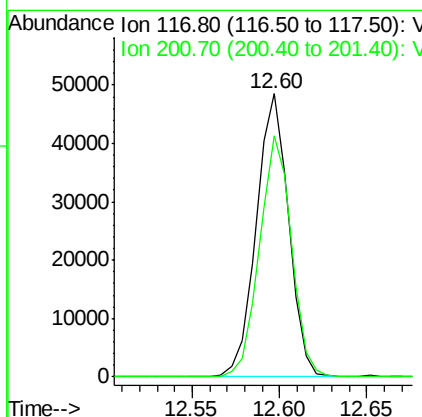
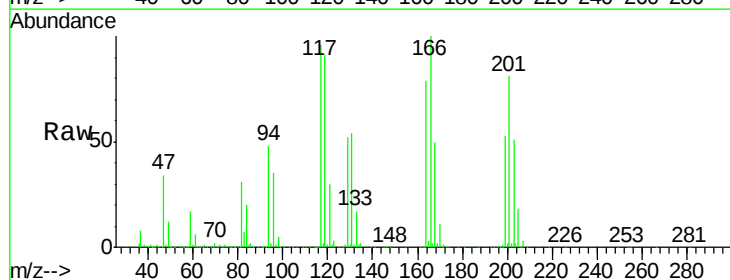
Manual Integrations
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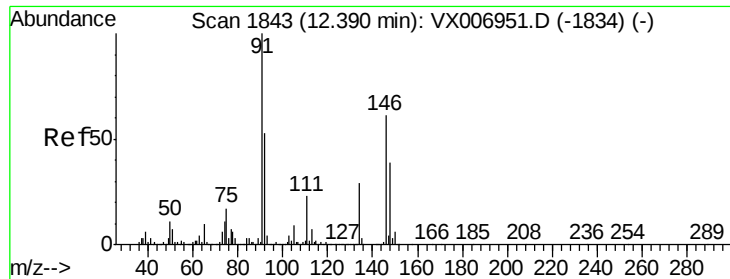
MMDadoda
1/14/2019 10:40:47 AM



#90
Hexachloroethane
Concen: 18.744 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007013.D
Acq: 11 Jan 2019 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	62070		
201	84.1	42.9	128.7	





#91

1,2-Dichlorobenzene

Concen: 20.057 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX007013.D

Acq: 11 Jan 2019 15:03

Instrument :

MSVOA_X

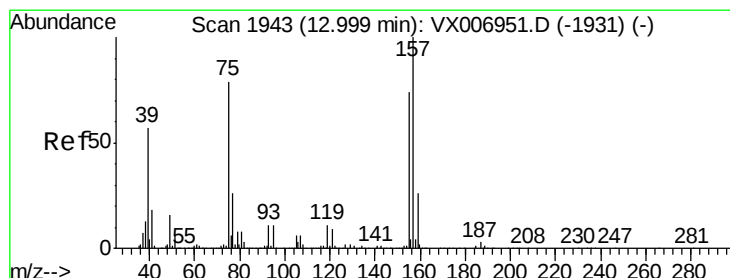
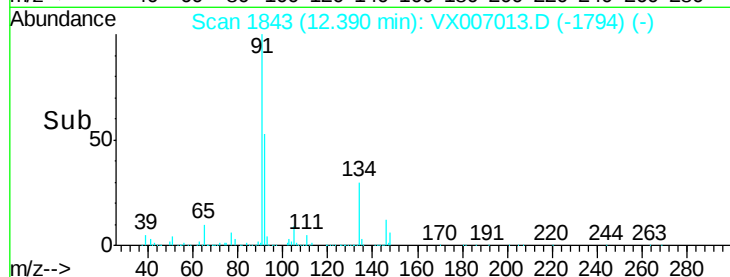
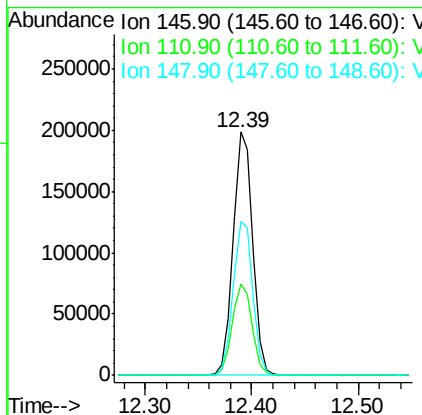
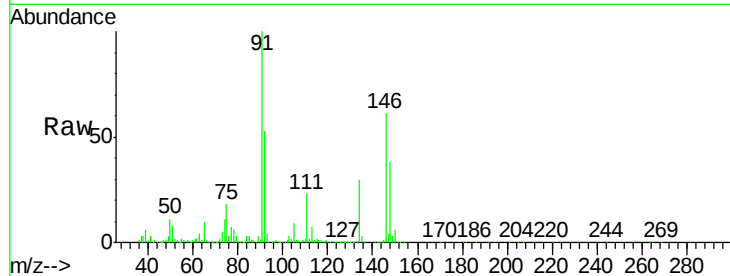
ClientSampleId :

VX0111WBS01

Tot Ion:	146	Resp:	255967
Ion Ratio	Lower	Upper	
146	100		
111	38.3	19.4	58.2
148	63.8	32.3	96.9

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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.785 ug/l

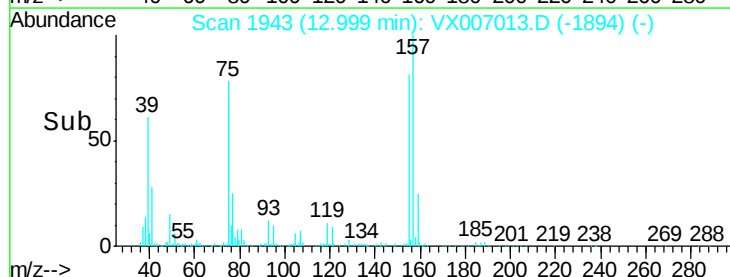
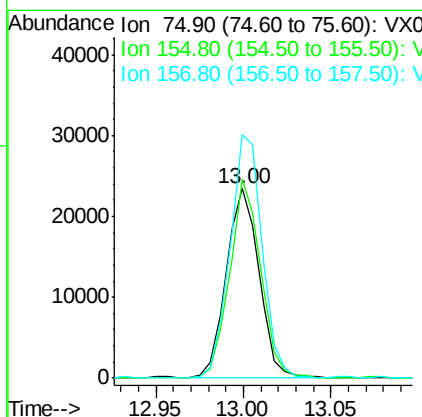
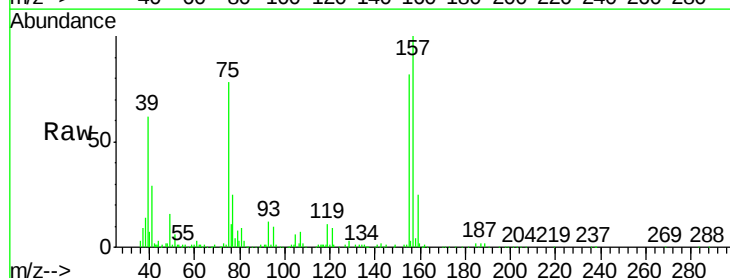
RT: 13.00 min Scan# 1943

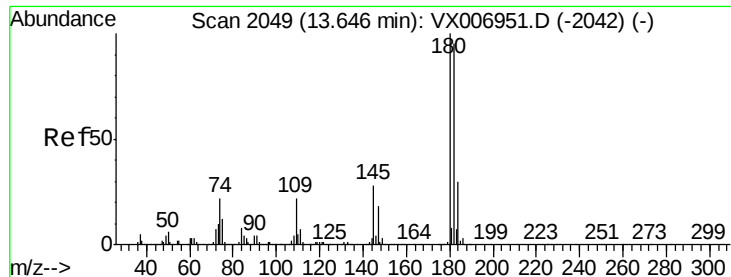
Delta R.T. -0.00 min

Lab File: VX007013.D

Acq: 11 Jan 2019 15:03

Tgt Ion:	75	Resp:	30626
Ion Ratio	Lower	Upper	
75	100		
155	98.8	50.6	151.8
157	126.1	64.6	193.8





#93

1,2,4-Trichlorobenzene

Concen: 19.300 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX007013.D

Acq: 11 Jan 2019 15:03

Instrument :

MSVOA_X

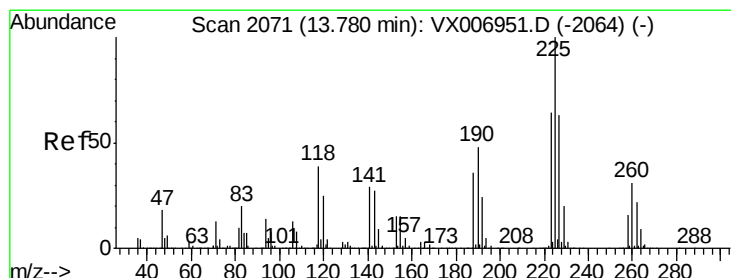
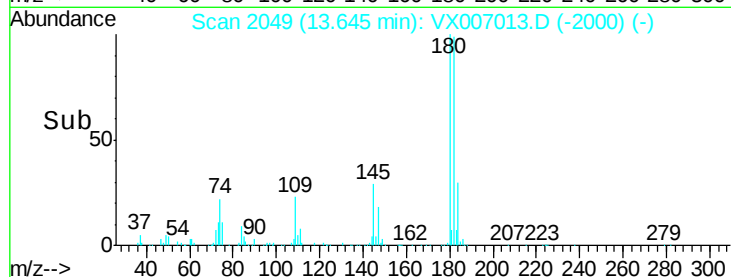
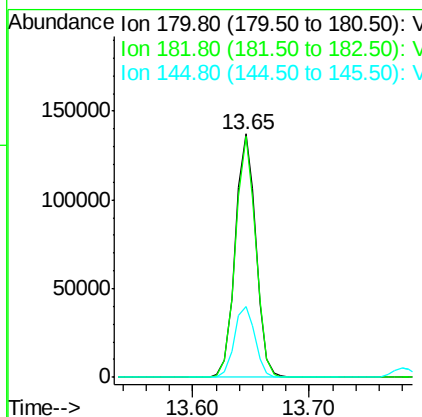
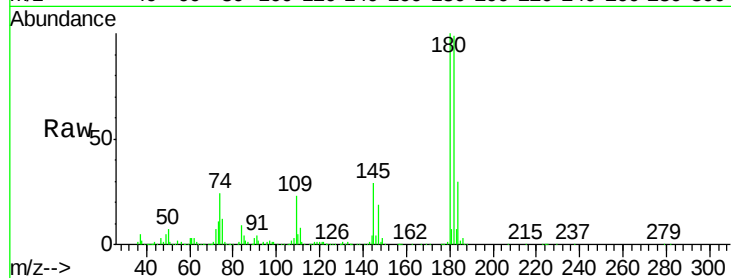
ClientSampleId :

VX0111WBS01

Tot Ion:	180	Resp:	168985
Ion Ratio	Lower	Upper	
180	100		
182	97.6	47.3	142.0
145	29.5	14.8	44.3

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#94

Hexachlorobutadiene

Concen: 19.944 ug/l

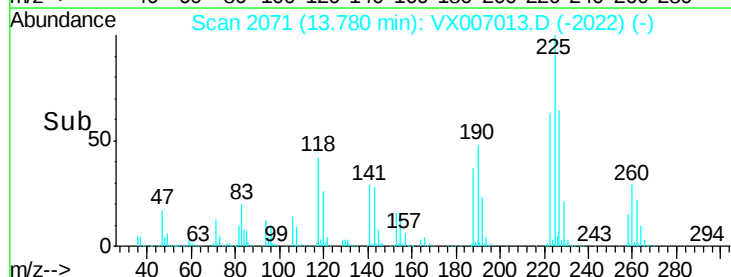
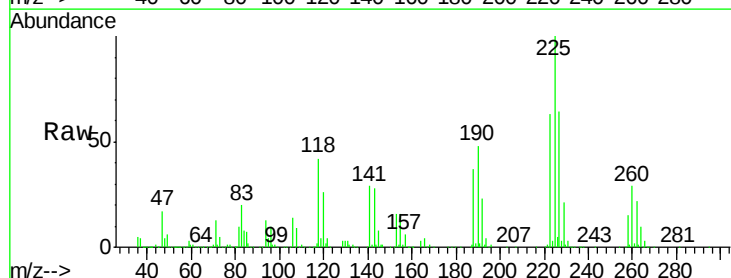
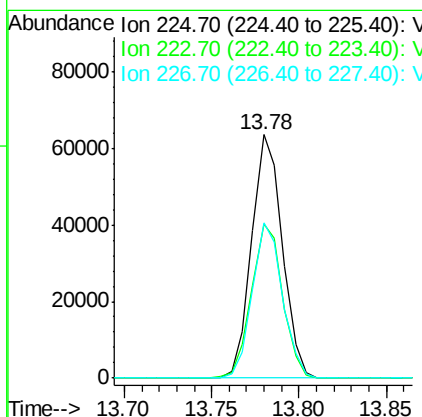
RT: 13.78 min Scan# 2071

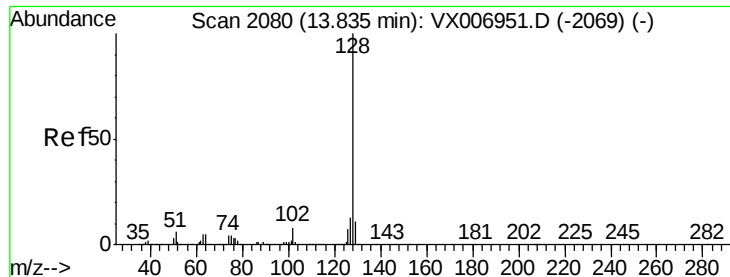
Delta R.T. -0.00 min

Lab File: VX007013.D

Acq: 11 Jan 2019 15:03

Tgt Ion:	225	Resp:	77491
Ion Ratio	Lower	Upper	
225	100		
223	64.3	32.1	96.3
227	62.8	32.3	96.8





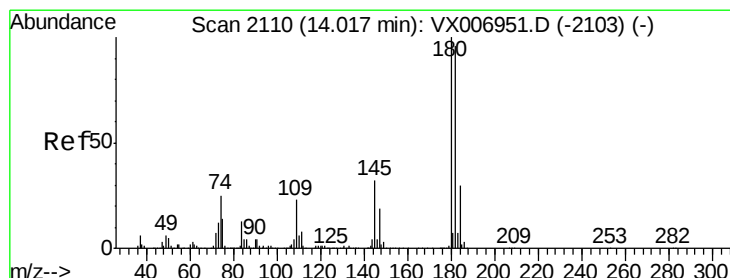
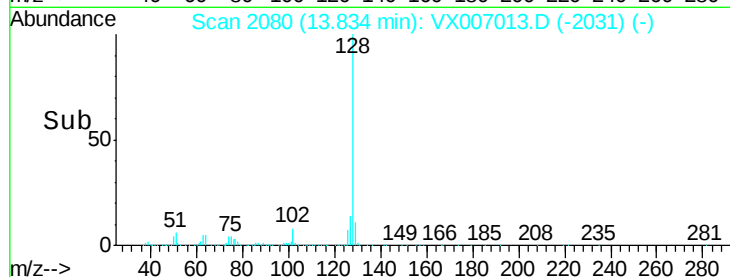
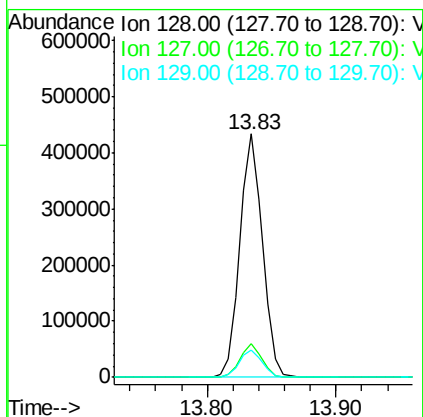
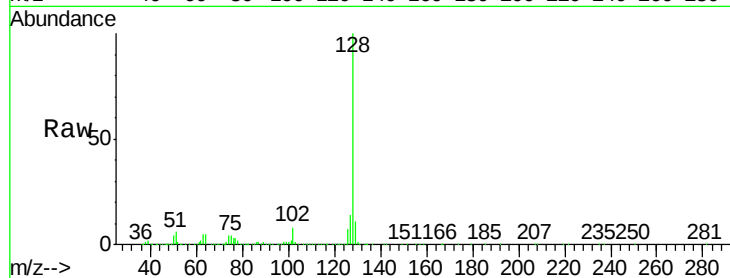
#95
Naphthalene
Concen: 19.865 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX007013.D
Acq: 11 Jan 2019 15:03

Instrument :
MSVOA_X
ClientSampleId :
VX0111WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.1	15.1
129	11.3	8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 19.951 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX007013.D
Acq: 11 Jan 2019 15:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	48.5	145.5
145	30.1	16.0	47.9

