

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021619\
 Data File : VX007566.D
 Acq On : 15 Feb 2019 14:25
 Operator : JC/SP
 Sample : VX0216WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0216WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/18/2019 10:40:33 AM

Quant Time: Feb 16 03:59:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X021319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 13 07:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	79153	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	403347	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	358883	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	148701	29.04	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.80%
60) 4-Bromofluorobenzene	11.13	95	166295	30.19	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.63%
63) Toluene-d8	8.71	98	482072	29.72	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.07%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	80105	19.985	ug/l 97
3) Chloromethane	1.33	50	81579	18.519	ug/l 100
4) Vinyl Chloride	1.41	62	93778	18.926	ug/l 97
5) Bromomethane	1.64	94	71190	16.089	ug/l 100
6) Chloroethane	1.73	64	60419	17.938	ug/l 96
7) Trichlorofluoromethane	1.93	101	147926	19.045	ug/l 98
8) Diethyl Ether	2.19	74	57324	18.475	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	86798	19.806	ug/l 98
10) 1,1-Dichloroethene	2.38	96	82145	18.890	ug/l 99
11) Methyl Iodide	2.51	142	105912	16.946	ug/l 97
12) Methyl Acetate	2.78	43	108139	18.032	ug/l 100
13) Acrolein	2.30	56	98807	94.453	ug/l 98
14) Acrylonitrile	3.15	53	256830	92.948	ug/l 99
15) Acetone	2.45	58	73729	98.319	ug/l 95
16) Carbon Disulfide	2.57	76	216135	18.743	ug/l 99
17) Allyl chloride	2.73	41	138280	18.560	ug/l 98
18) Methylene Chloride	2.86	84	89990	18.402	ug/l 98
19) trans-1,2-Dichloroethene	3.17	96	87314	18.773	ug/l 99
20) Diisopropyl ether	3.87	45	266891	18.955	ug/l 92
21) 1,1-Dichloroethane	3.70	63	150989	19.128	ug/l 98
22) cis-1,2-Dichloroethene	4.60	96	97925	18.919	ug/l 98
23) tert-Butyl Alcohol	3.07	59	114978	99.000	ug/l # 100
24) Methyl tert-Butyl Ether	3.21	73	278714	18.469	ug/l 100
25) Chloroform	5.21	83	158174	18.972	ug/l 96
26) Cyclohexane	5.57	56	130845	19.767	ug/l # 99
29) 1,1-Dichloropropene	5.80	75	112257	19.952	ug/l 99
30) 2-Butanone	4.70	43	345153	103.663	ug/l 99
31) 2,2-Dichloropropane	4.59	77	107847	23.593	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	133363	19.831	ug/l 99
33) Carbon Tetrachloride	5.78	117	115719	19.466	ug/l 100
34) Benzene	6.14	78	350500	19.761	ug/l 98
35) Methacrylonitrile	5.06	41	69238	20.000	ug/l 97
36) 1,2-Dichloroethane	6.20	62	117022	19.387	ug/l 99
37) Trichloroethene	7.21	130	102480	20.096	ug/l 98
38) Methylcyclohexane	7.46	83	135172	20.754	ug/l 99
39) 1,2-Dichloropropane	7.52	63	88604	20.084	ug/l 98
40) Dibromomethane	7.66	93	62529	19.625	ug/l 95

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Manual Integrations
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 QLast Update : Wed Feb 13 07:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.90	83	108737	19.231	ug/l	100
42) Vinyl Acetate	3.82	43	1179121	101.174	ug/l	100
43) Ethyl Acetate	4.86	43	129968	20.383	ug/l #	84
44) Isopropyl Acetate	6.46	43	193832	19.689	ug/l	100
45) 1,4-Dioxane	7.75	88	46779	402.621	ug/l	98
46) Methyl methacrylate	7.77	41	99500	19.959	ug/l	99
47) n-amyl Acetate	10.90	43	167667	19.323	ug/l	98
48) t-1,3-Dichloropropene	9.04	75	113571	19.456	ug/l	100
49) cis-1,3-Dichloropropene	8.43	75	128895	19.829	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	94537	20.349	ug/l	96
51) Ethyl methacrylate	9.18	69	129050	19.160	ug/l	98
52) 1,3-Dichloropropane	9.37	76	147971	19.746	ug/l	100
53) Dibromochloromethane	9.58	129	91129	18.859	ug/l	98
54) 1,2-Dibromoethane	9.67	107	99870	19.632	ug/l	100
55) 2-Chloroethyl vinyl ether	8.31	63	338249	98.780	ug/l	100
56) Bromoform	10.85	173	68173	18.704	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	659267	102.129	ug/l	100
59) 2-Hexanone	9.49	43	504598	102.912	ug/l	99
61) Tetrachloroethene	9.34	164	102430	20.105	ug/l	97
62) Toluene	8.79	91	385304	19.713	ug/l	99
64) Chlorobenzene	10.14	112	248240	19.544	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	88979	19.341	ug/l	99
66) Ethyl Benzene	10.25	91	402968	19.429	ug/l	99
67) m/p-Xylenes	10.36	106	319849	39.317	ug/l	98
68) o-Xylene	10.70	106	155657	19.618	ug/l	97
69) Styrene	10.71	104	248345	19.396	ug/l	100
70) Isopropylbenzene	11.02	105	411362	19.652	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	136738	19.761	ug/l	98
72) 1,2,3-Trichloropropane	11.30	75	130064m	20.558	ug/l	
73) Bromobenzene	11.26	156	109472	19.156	ug/l	97
74) n-propylbenzene	11.36	91	457309	19.676	ug/l	100
75) 2-Chlorotoluene	11.42	91	273347	19.670	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	335816	19.654	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	34912	19.117	ug/l	97
78) 4-Chlorotoluene	11.51	91	307549	19.389	ug/l	99
79) tert-butylbenzene	12.06	119	360762	19.884	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	345113	19.897	ug/l	99
81) sec-Butylbenzene	11.94	105	403696	19.784	ug/l	99
82) p-Isopropyltoluene	12.06	119	360762	19.884	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	193319	19.242	ug/l	97
84) 1,4-Dichlorobenzene	12.10	146	196151	19.565	ug/l	99
85) n-Butylbenzene	12.39	91	291279	19.346	ug/l	100
86) Hexachloroethane	12.60	117	56582	18.784	ug/l	98
87) 1,2-Dichlorobenzene	12.39	146	195789	19.416	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	13.00	75	27425	18.992	ug/l	98
89) 1,2,4-Trichlorobenzene	13.65	180	127255	19.215	ug/l	100
90) Hexachlorobutadiene	13.78	225	61744	19.954	ug/l	99
91) Naphthalene	13.83	128	405606	19.203	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	129031	19.166	ug/l	99

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0216WBSD01

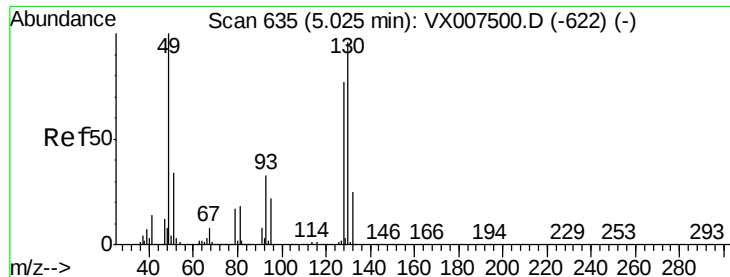
Manual Integrations
APPROVED

MMDadoda
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X021319W.M
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QLast Update : Wed Feb 13 07:51:18 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.03 min Scan# 635

Delta R.T. -0.00 min

Lab File: VX007566.D

Acq: 15 Feb 2019 14:25

Instrument :

MSVOA_X

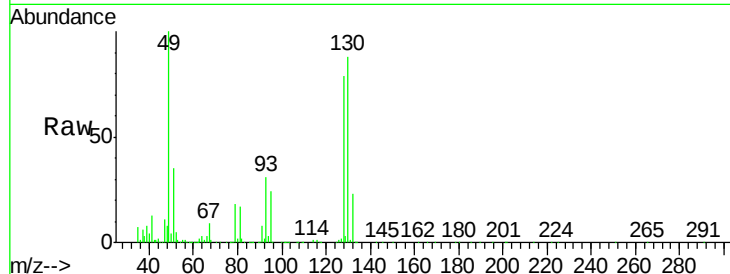
ClientSampleId :

VX0216WBSD01

Tot Ion:	128	Resp:	79153
Ion	Ratio	Lower	Upper
128	100		
49	136.2	0.0	350.8
130	127.2	0.0	325.8

Manual Integrations
APPROVED

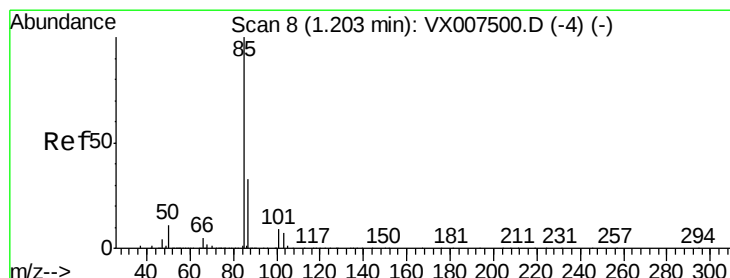
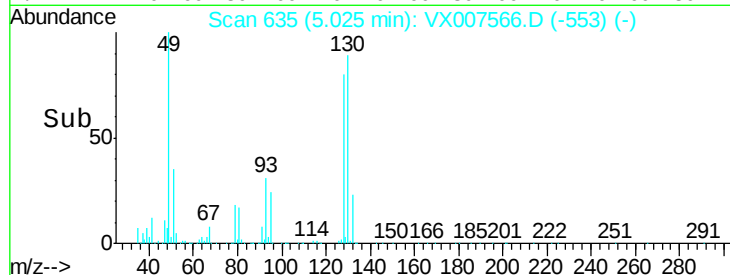
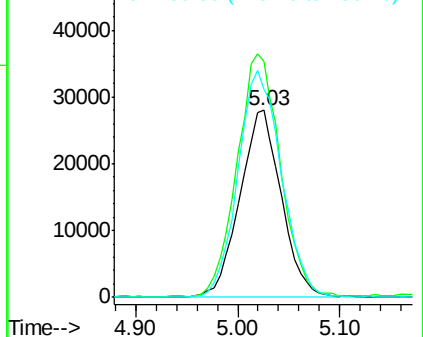
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.985 ug/l

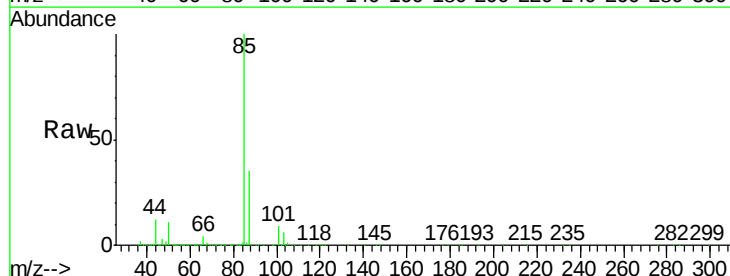
RT: 1.20 min Scan# 8

Delta R.T. -0.00 min

Lab File: VX007566.D

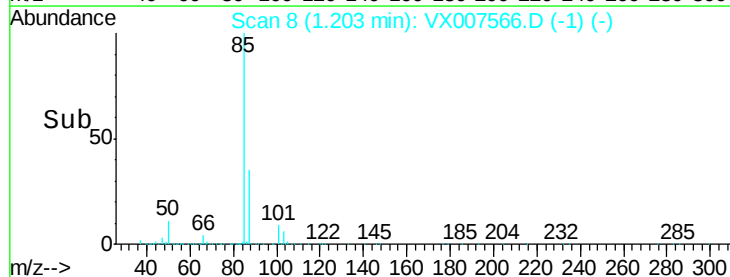
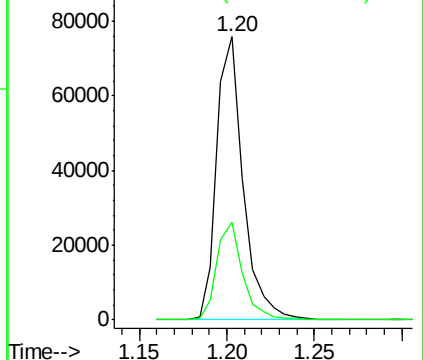
Acq: 15 Feb 2019 14:25

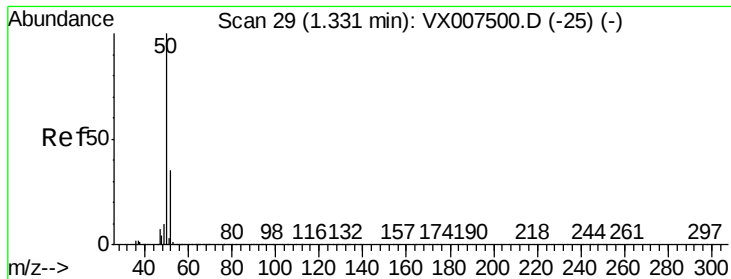
Tgt Ion:	85	Resp:	80105
Ion	Ratio	Lower	Upper
85	100		
87	34.7	16.6	49.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 18.519 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007566.D

Acq: 15 Feb 2019 14:25

Instrument :

MSVOA_X

ClientSampleId :

VX0216WBSD01

Tot Ion: 50 Resp: 81579

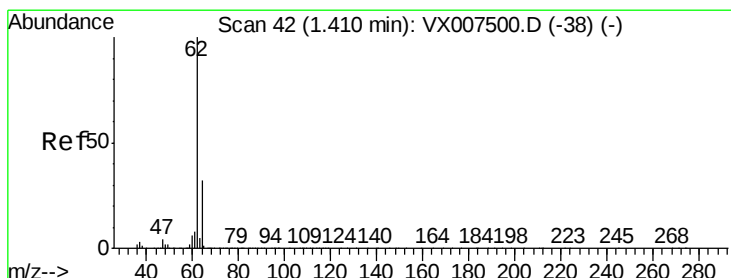
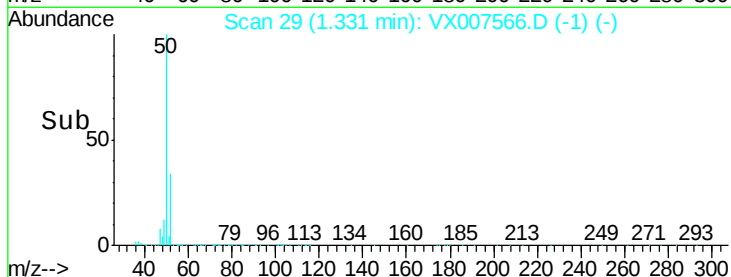
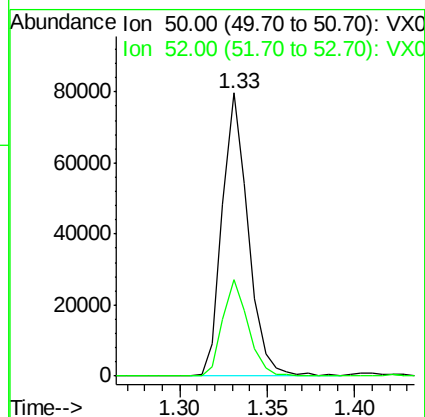
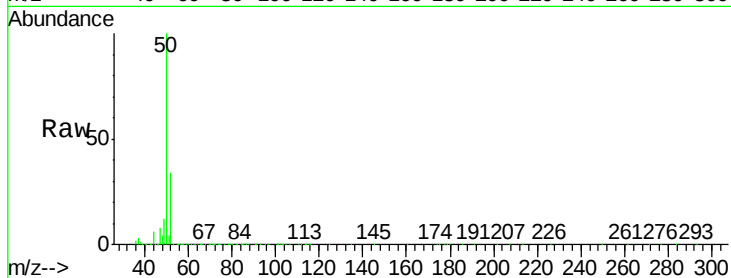
Ion Ratio Lower Upper

50 100

52 34.3 27.5 41.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 18.926 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007566.D

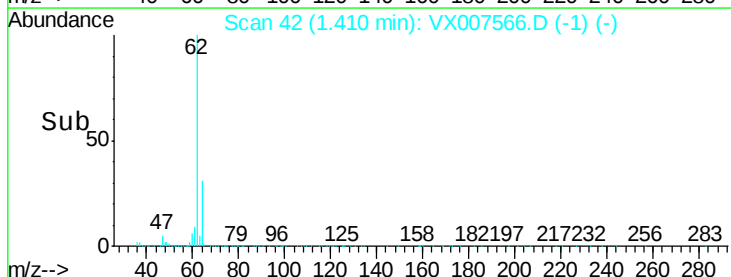
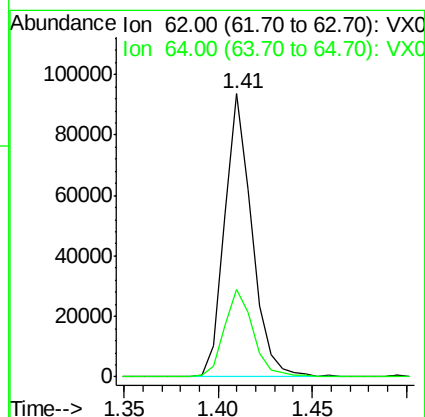
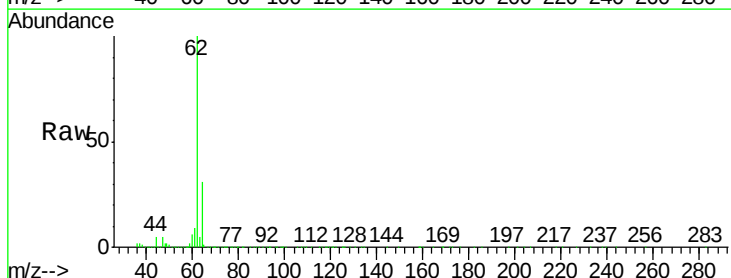
Acq: 15 Feb 2019 14:25

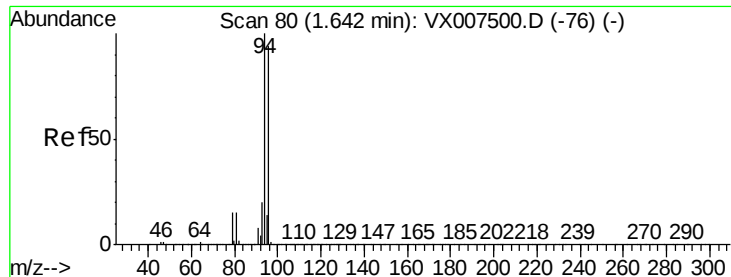
Tgt Ion: 62 Resp: 93778

Ion Ratio Lower Upper

62 100

64 30.6 25.9 38.9





#5

Bromomethane

Concen: 16.089 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007566.D

Acq: 15 Feb 2019 14:25

Instrument :

MSVOA_X

ClientSampleId :

VX0216WBSD01

Tot Ion: 94 Resp: 71190

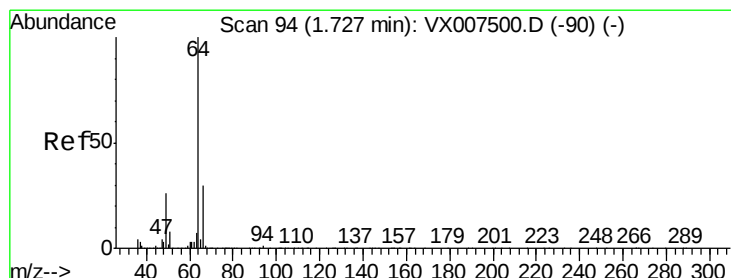
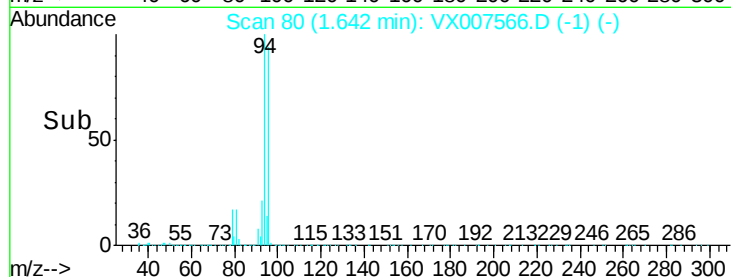
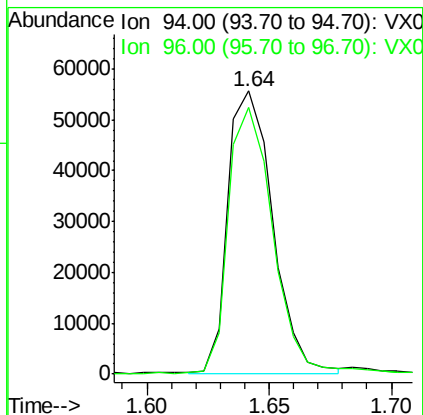
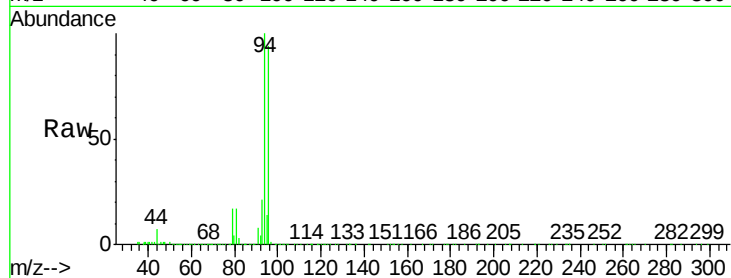
Ion Ratio Lower Upper

94 100

96 94.4 75.6 113.4

Manual Integrations
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#6

Chloroethane

Concen: 17.938 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.00 min

Lab File: VX007566.D

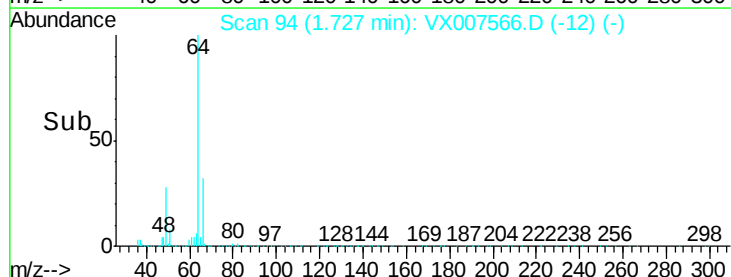
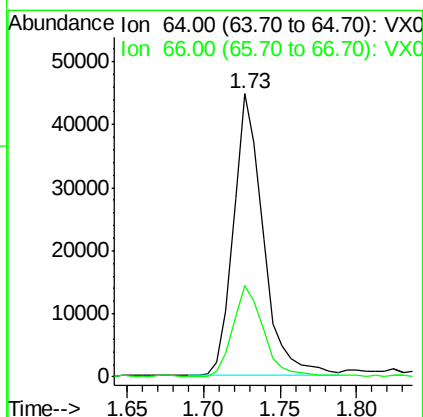
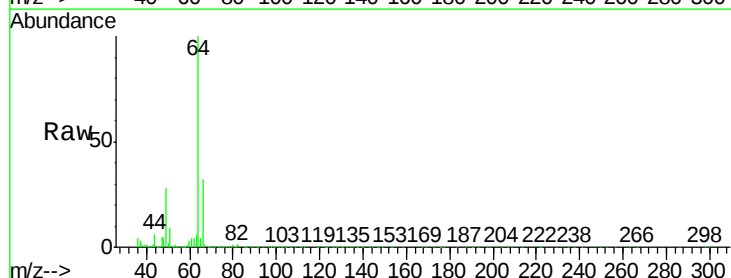
Acq: 15 Feb 2019 14:25

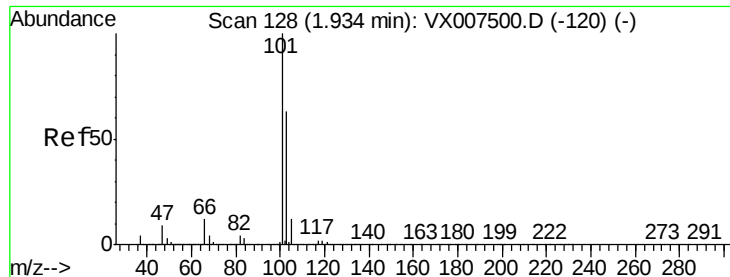
Tgt Ion: 64 Resp: 60419

Ion Ratio Lower Upper

64 100

66 32.2 23.9 35.9





#7

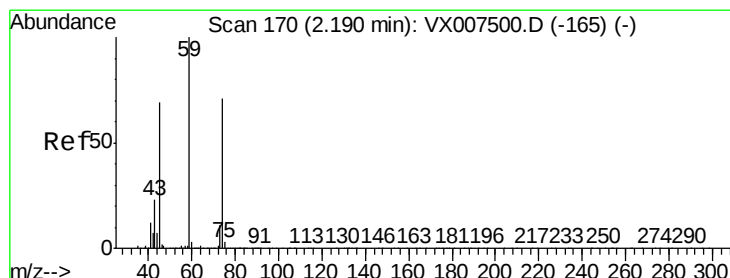
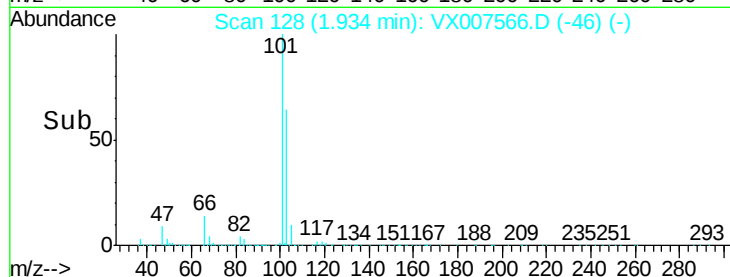
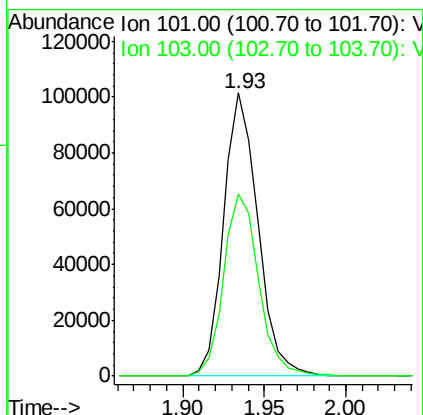
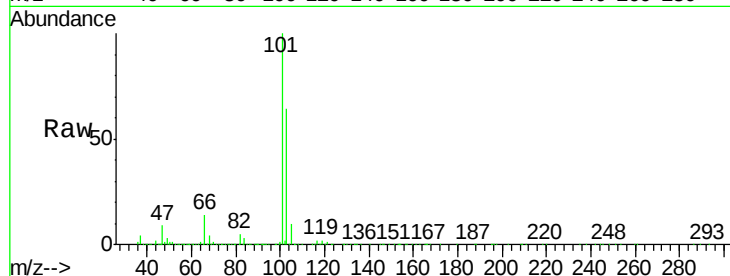
Trichlorofluoromethane
Concen: 19.045 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.00 min
Lab File: VX007566.D
Acq: 15 Feb 2019 14:25

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ClientSampleId :
VX0216WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	50.4	75.6

Manual Integrations
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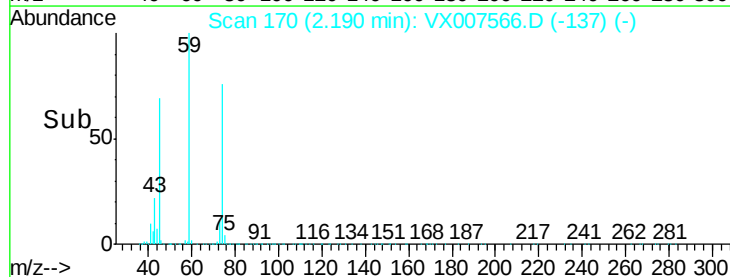
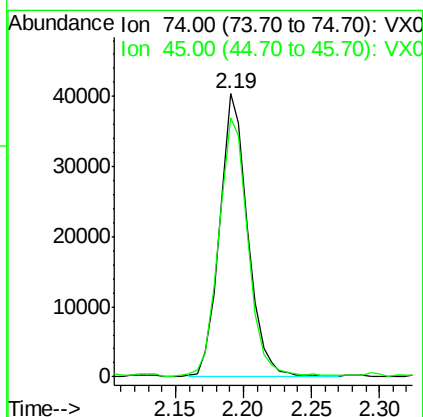
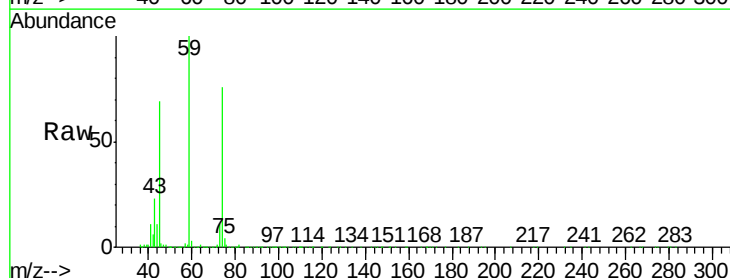
MMDadoda
2/18/2019 10:40:33 AM

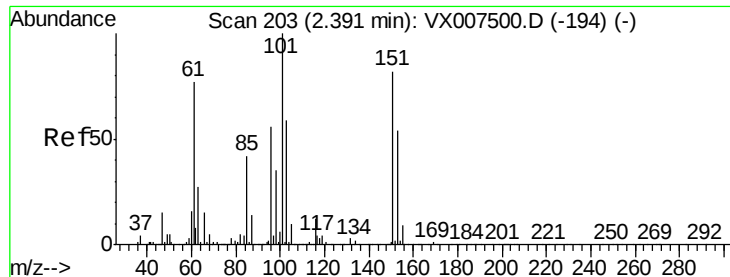


#8

Diethyl Ether
Concen: 18.475 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007566.D
Acq: 15 Feb 2019 14:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.2	18.6	167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.806 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.00 min

Lab File: VX007566.D

Acq: 15 Feb 2019 14:25

Instrument :

MSVOA_X

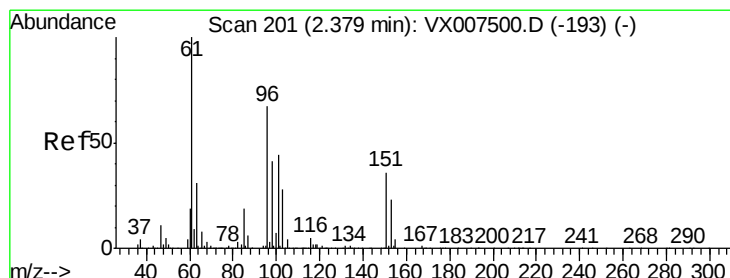
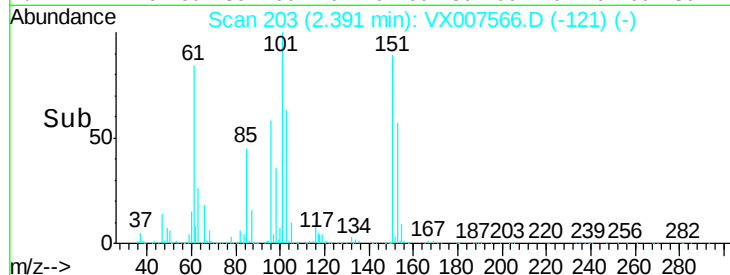
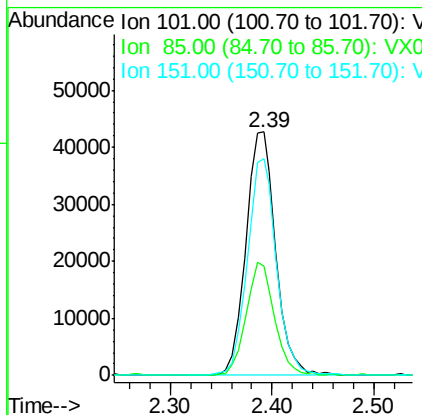
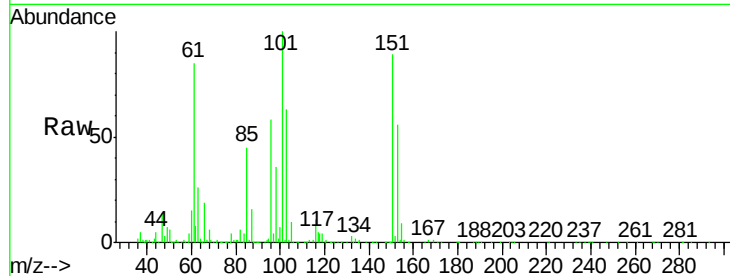
ClientSampleId :

VX0216WBSD01

Tot Ion:	101	Resp:	86798
Ion Ratio	Lower	Upper	
101	100		
85	43.5	0.0	86.8
151	86.8	0.0	169.2

Manual Integrations
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MMDadoda
2/18/2019 10:40:33 AM



#10

1,1-Dichloroethene

Concen: 18.890 ug/l

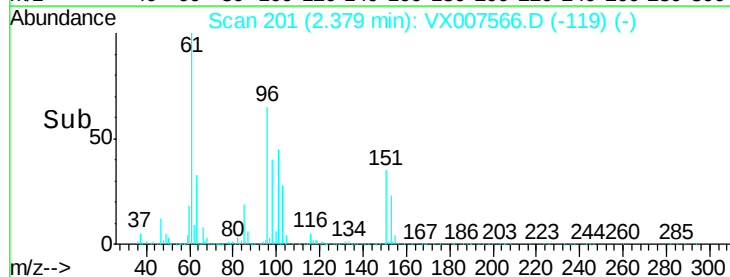
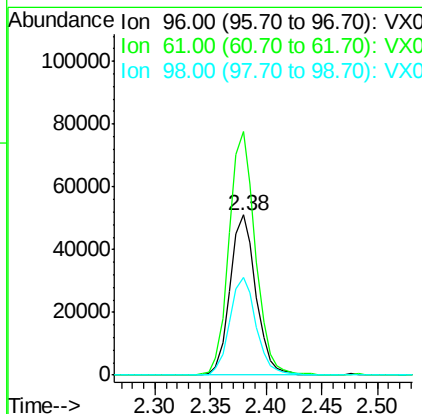
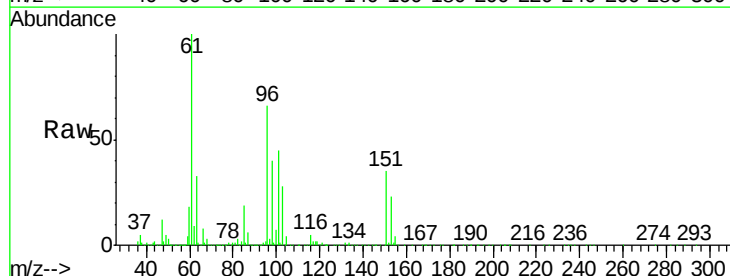
RT: 2.38 min Scan# 201

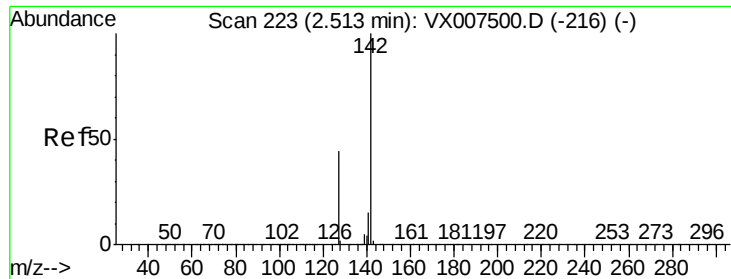
Delta R.T. -0.00 min

Lab File: VX007566.D

Acq: 15 Feb 2019 14:25

Tgt Ion:	96	Resp:	82145
Ion Ratio	Lower	Upper	
96	100		
61	152.3	120.2	180.2
98	61.4	49.0	73.4





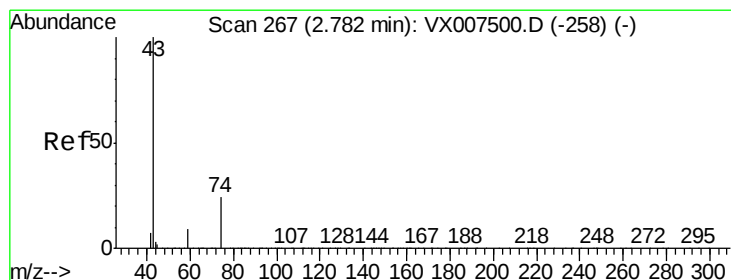
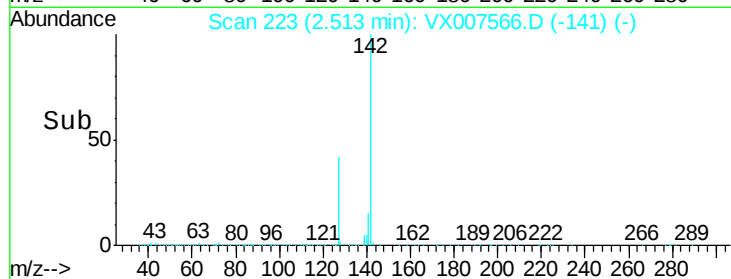
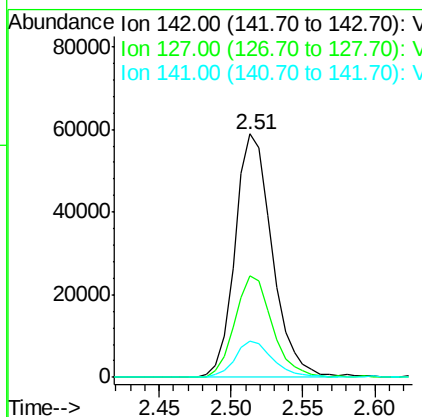
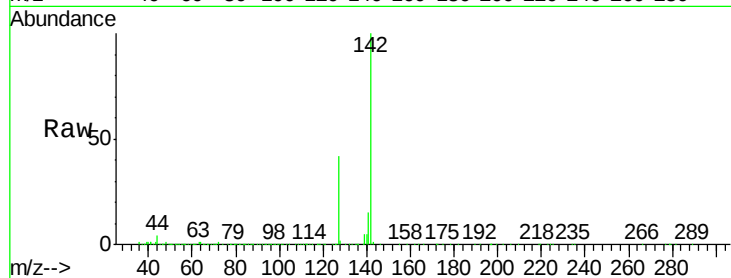
#11
Methyl Iodide
Concen: 16.946 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.00 min
Lab File: VX007566.D
Acq: 15 Feb 2019 14:25

Instrument :
MSVOA_X
ClientSampleId :
VX0216WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	41.7	22.1	66.5
141	15.0	7.4	22.3

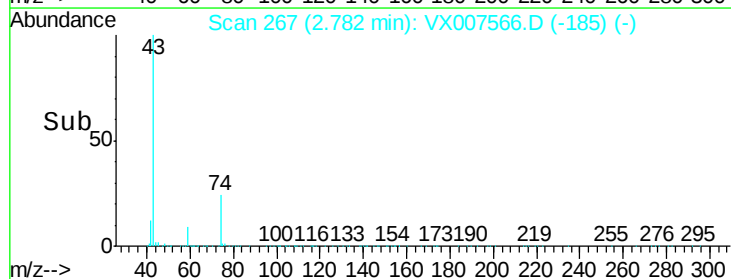
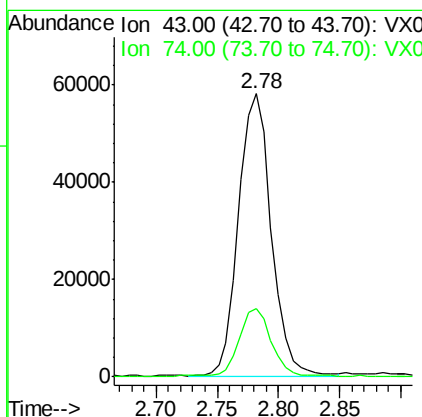
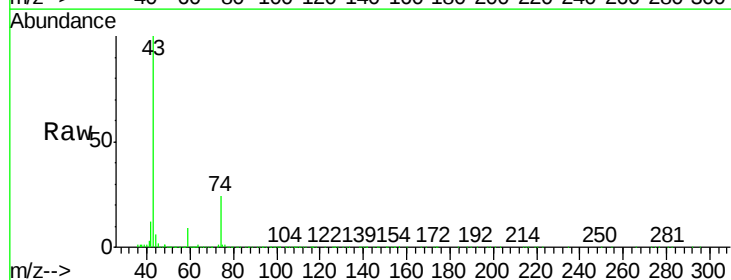
Manual Integrations
APPROVED

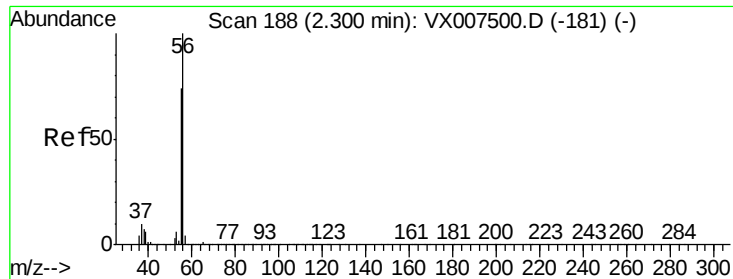
MMDadoda
2/18/2019 10:40:33 AM



#12
Methyl Acetate
Concen: 18.032 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX007566.D
Acq: 15 Feb 2019 14:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.4	29.0





#13

Acrolein

Concen: 94.453 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX007566.D

Acq: 15 Feb 2019 14:25

Instrument :

MSVOA_X

ClientSampled :

VX0216WBSD01

Tot Ion: 56 Resp: 98807

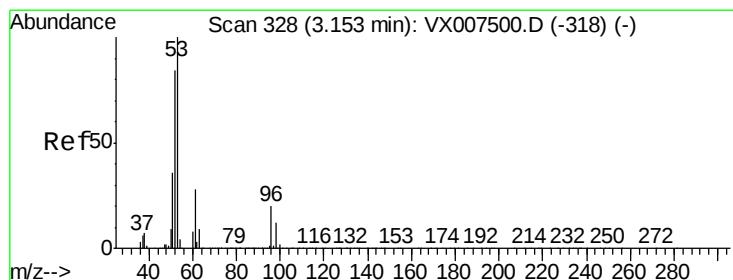
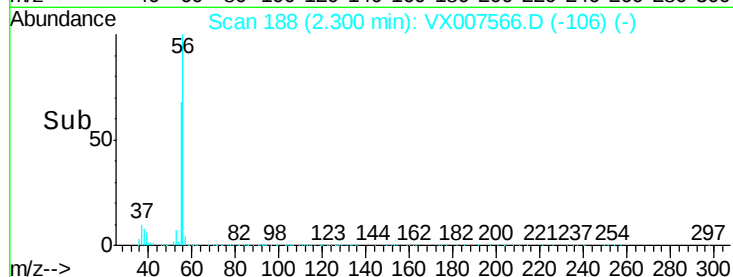
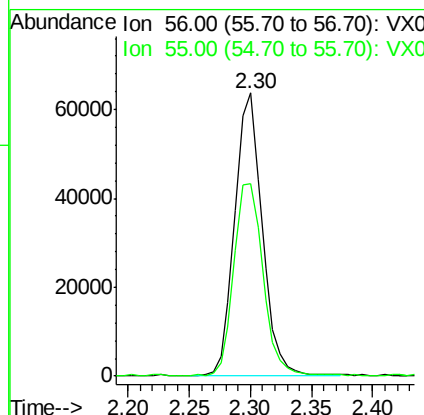
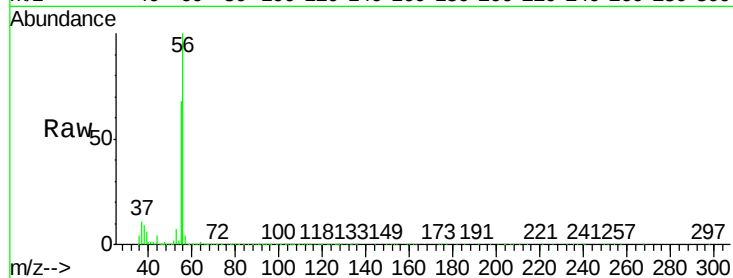
Ion Ratio Lower Upper

56 100

55 71.5 58.6 87.8

Manual Integrations
APPROVED

MMDadoda
2/18/2019 10:40:33 AM



#14

Acrylonitrile

Concen: 92.948 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX007566.D

Acq: 15 Feb 2019 14:25

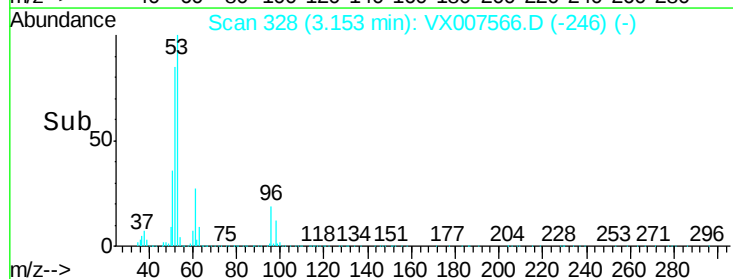
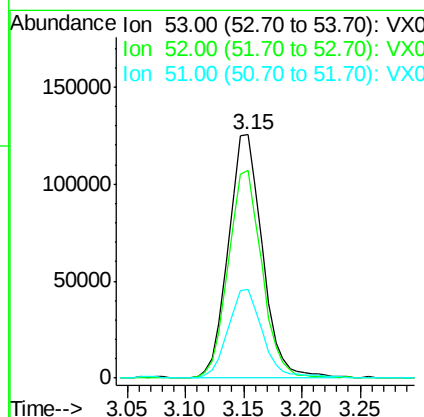
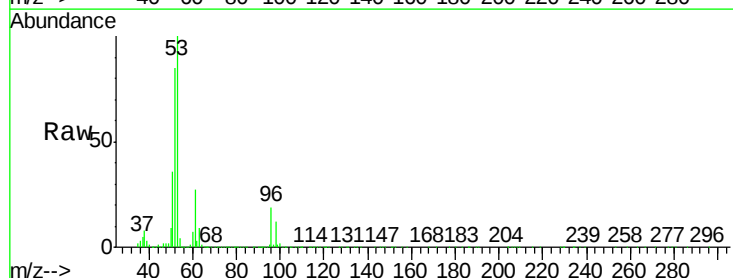
Tgt Ion: 53 Resp: 256830

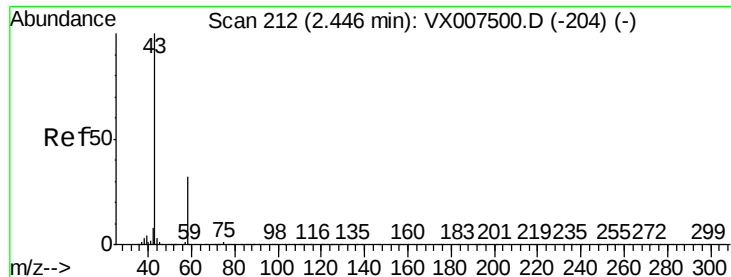
Ion Ratio Lower Upper

53 100

52 83.7 41.3 124.1

51 36.0 17.5 52.6





#15

Acetone

Concen: 98.319 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007566.D

Acq: 15 Feb 2019 14:25

Instrument :

MSVOA_X

ClientSampleId :

VX0216WBSD01

Tot Ion: 58 Resp: 73729

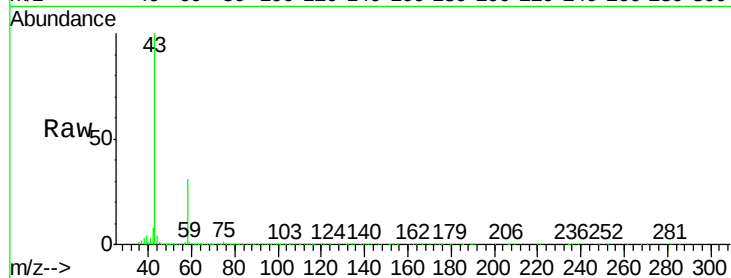
Ion Ratio Lower Upper

58 100

43 322.4 249.8 374.6

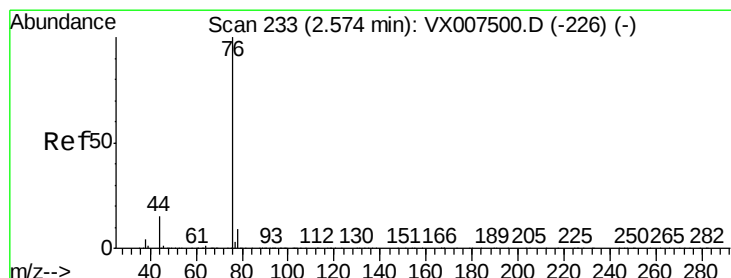
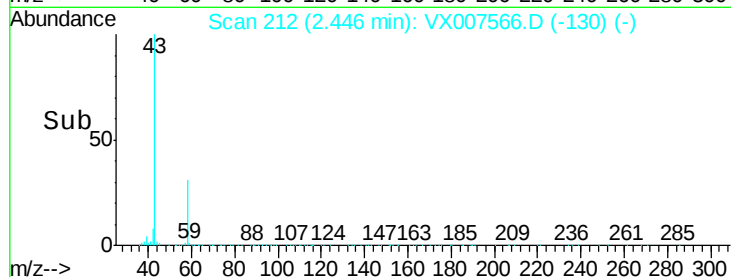
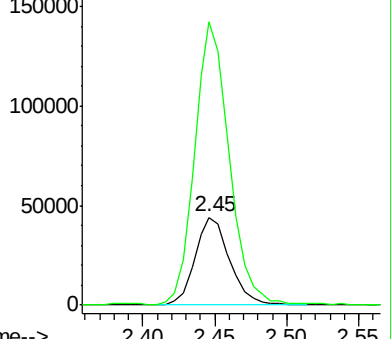
Manual Integrations
APPROVED

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Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 18.743 ug/l

RT: 2.57 min Scan# 233

Delta R.T. -0.00 min

Lab File: VX007566.D

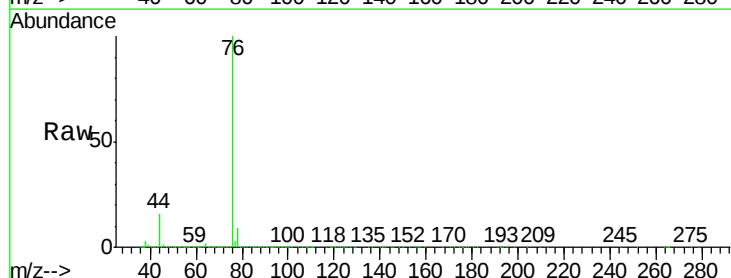
Acq: 15 Feb 2019 14:25

Tgt Ion: 76 Resp: 216135

Ion Ratio Lower Upper

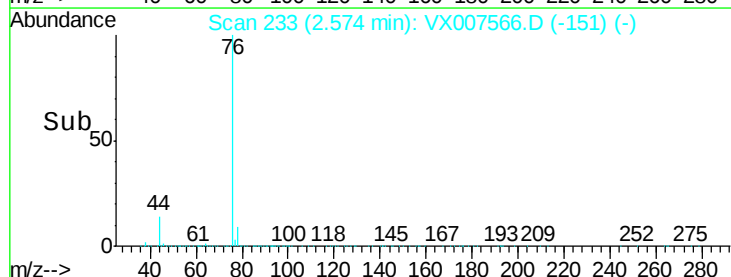
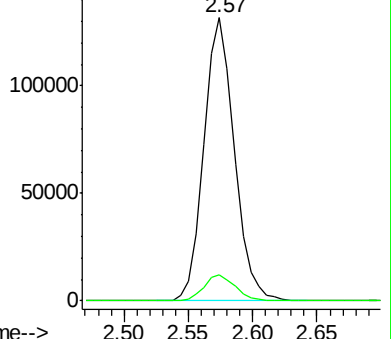
76 100

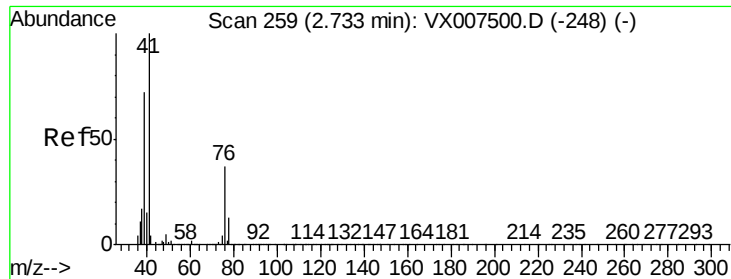
78 8.9 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





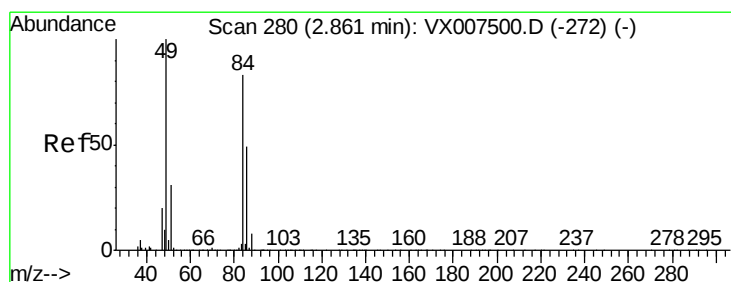
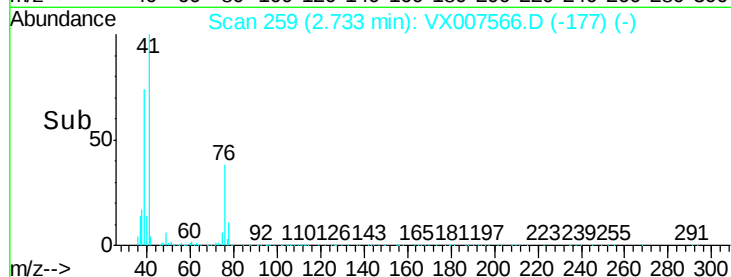
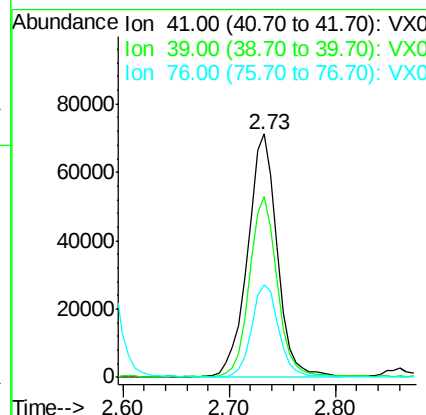
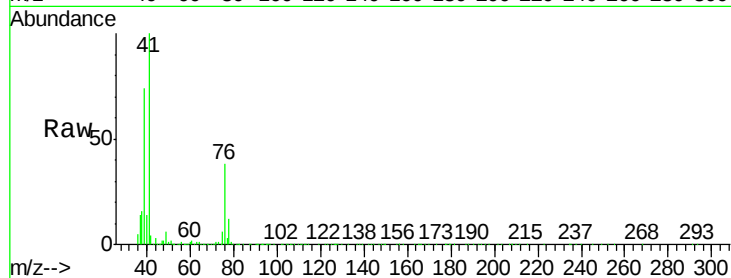
#17
Allvl chloride
Concen: 18.560 ug/l
RT: 2.73 min Scan# 259
Delta R.T. 0.00 min
Lab File: VX007566.D
Acq: 15 Feb 2019 14:25

Instrument :
MSVOA_X
ClientSampleId :
VX0216WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	74.0	35.8	107.4
76	37.7	18.3	54.9

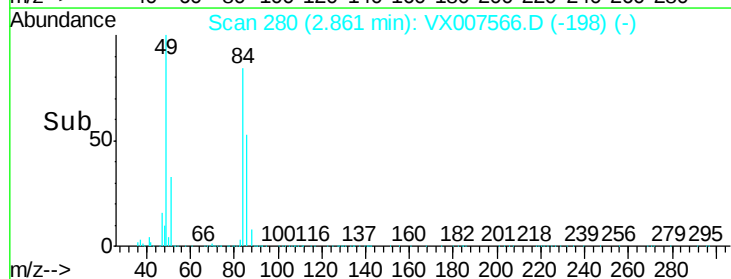
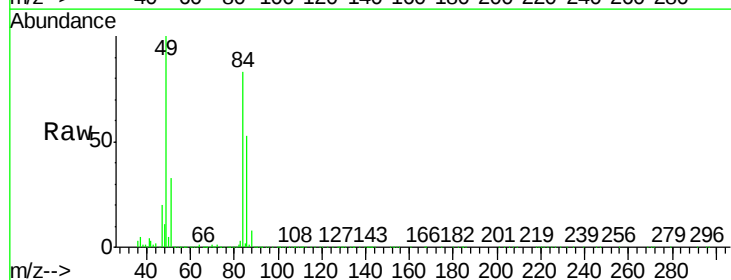
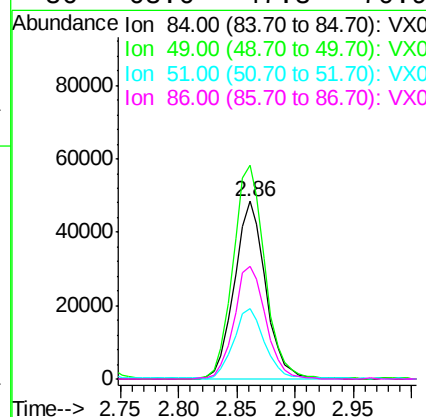
Manual Integrations
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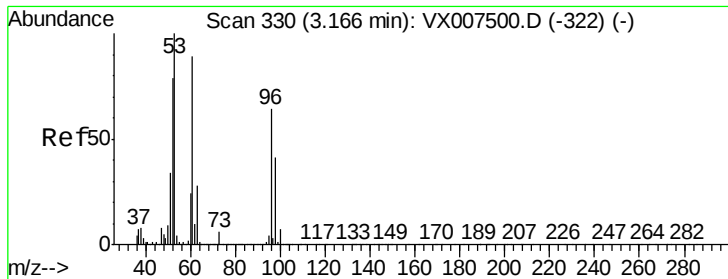
MMDadoda
2/18/2019 10:40:33 AM



#18
Methylene Chloride
Concen: 18.402 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX007566.D
Acq: 15 Feb 2019 14:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.9	96.1	144.1
51	38.9	29.1	43.7
86	63.6	47.3	70.9





#19

trans-1,2-Dichloroethene

Concen: 18.773 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007566.D

Acq: 15 Feb 2019 14:25

Instrument :

MSVOA_X

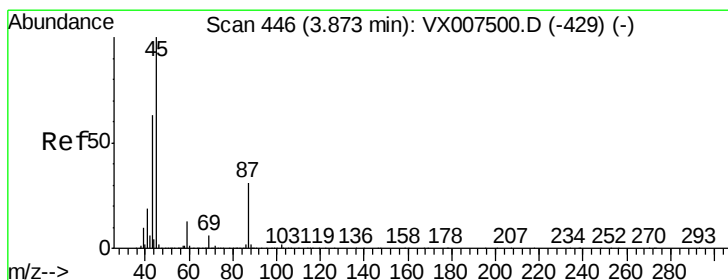
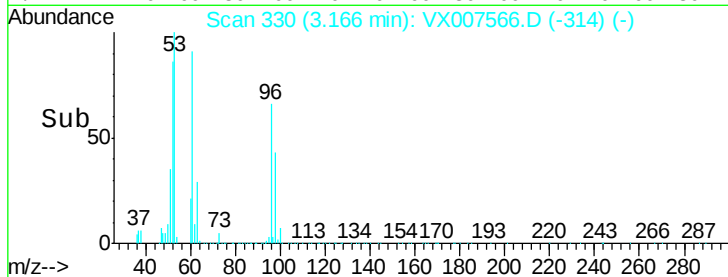
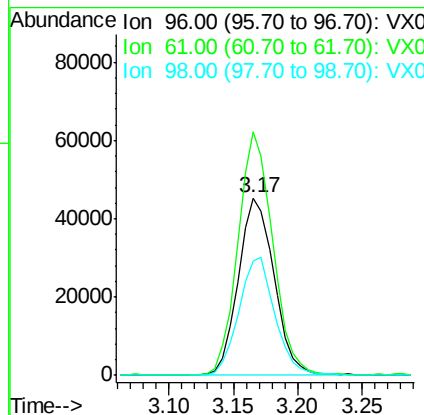
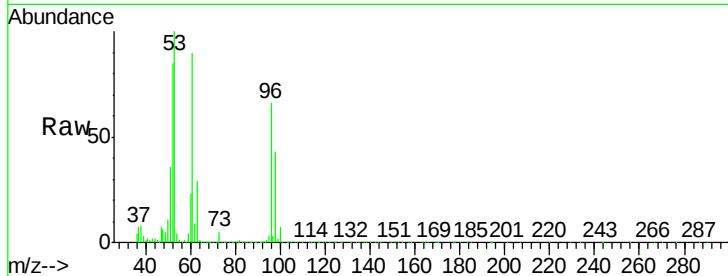
ClientSampleId :

VX0216WBSD01

Tot Ion:	96	Resp:	87314
Ion Ratio	Lower	Upper	
96	100		
61	137.1	109.9	164.9
98	64.2	50.4	75.6

Manual Integrations
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MMDadoda
2/18/2019 10:40:33 AM



#20

Diisopropyl ether

Concen: 18.955 ug/l

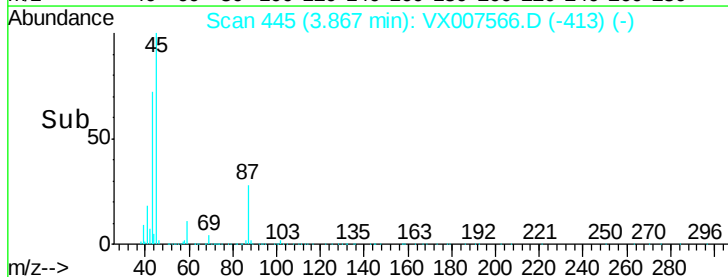
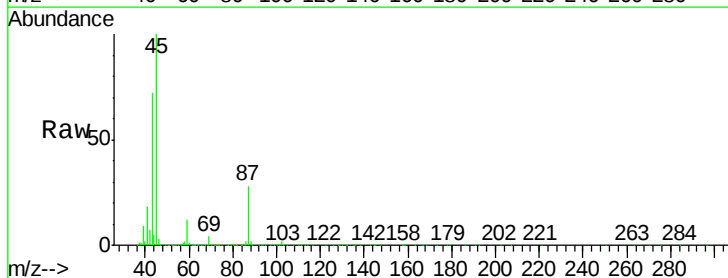
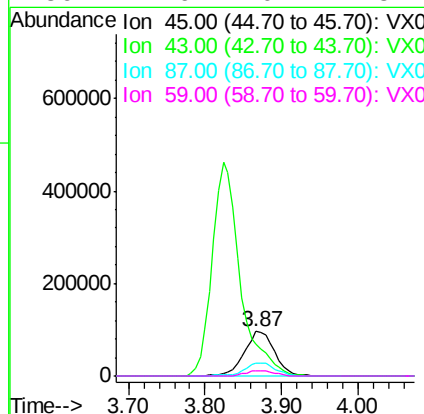
RT: 3.87 min Scan# 445

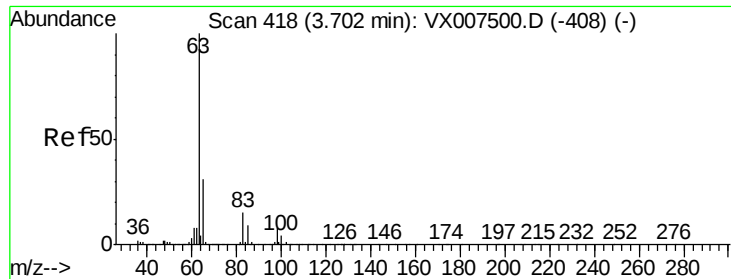
Delta R.T. -0.01 min

Lab File: VX007566.D

Acq: 15 Feb 2019 14:25

Tgt Ion:	45	Resp:	266891
Ion Ratio	Lower	Upper	
45	100		
43	71.6	50.6	76.0
87	28.4	24.5	36.7
59	11.6	10.2	15.2





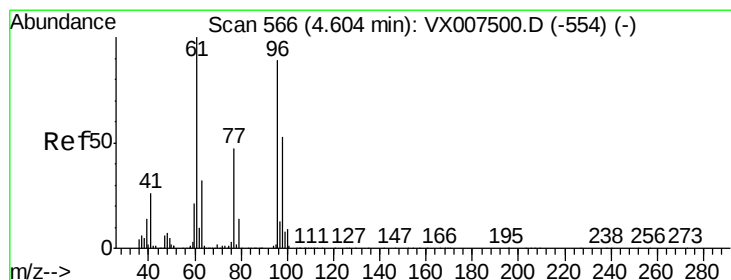
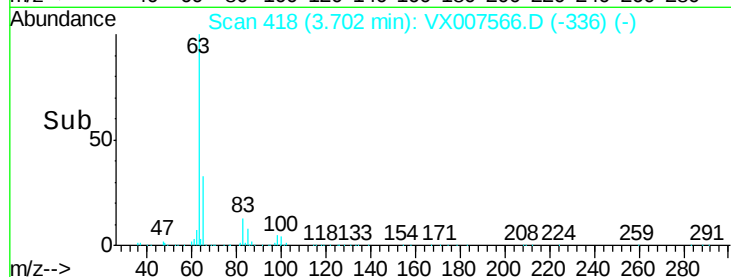
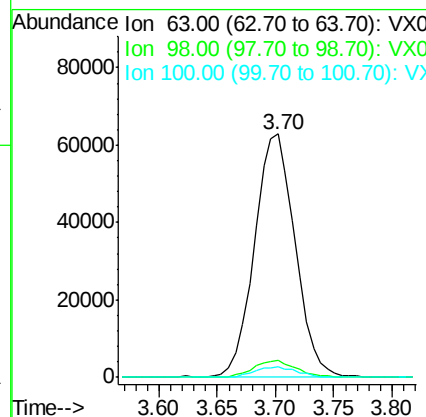
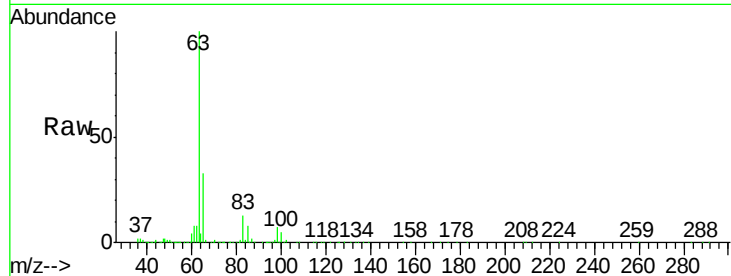
#21
1,1-Dichloroethane
Concen: 19.128 ug/l
RT: 3.70 min Scan# 418
Delta R.T. -0.00 min
Lab File: VX007566.D
Acq: 15 Feb 2019 14:25

Instrument :
MSVOA_X
ClientSampleId :
VX0216WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	6.9	3.8	11.4	
100	4.4	2.4	7.1	

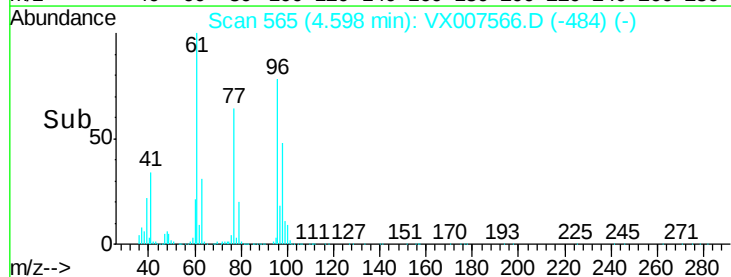
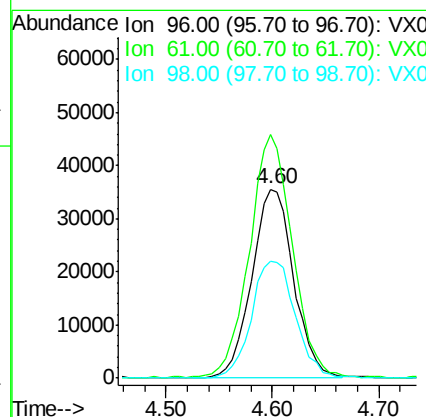
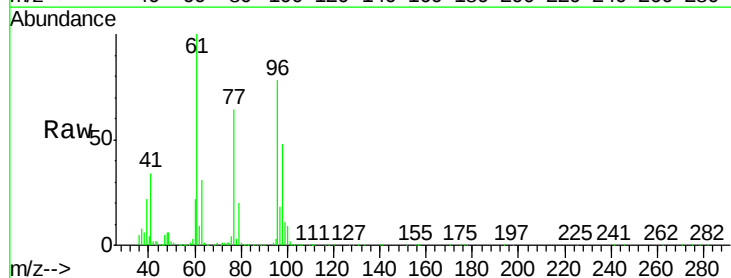
Manual Integrations
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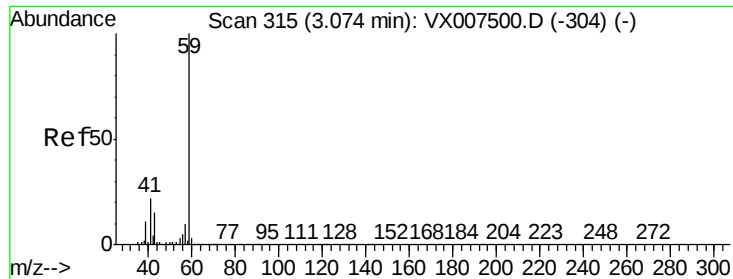
MMDadoda
2/18/2019 10:40:33 AM



#22
cis-1,2-Dichloroethene
Concen: 18.919 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.01 min
Lab File: VX007566.D
Acq: 15 Feb 2019 14:25

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	132.7	103.5	155.3	
98	64.7	52.1	78.1	





#23

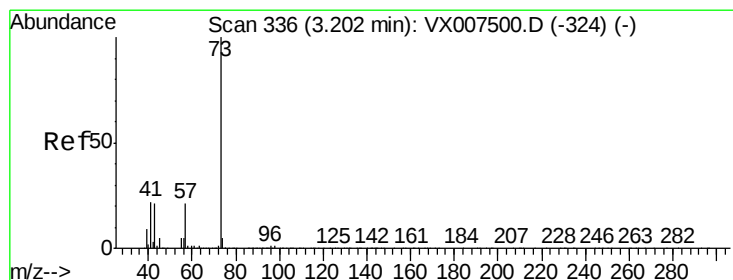
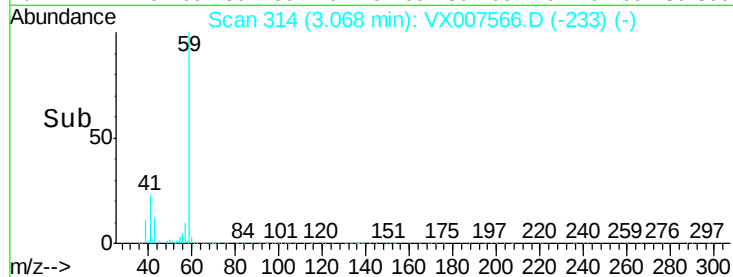
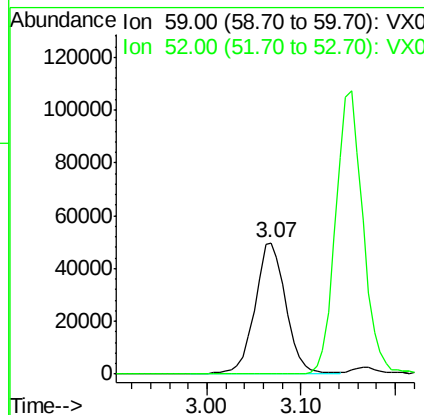
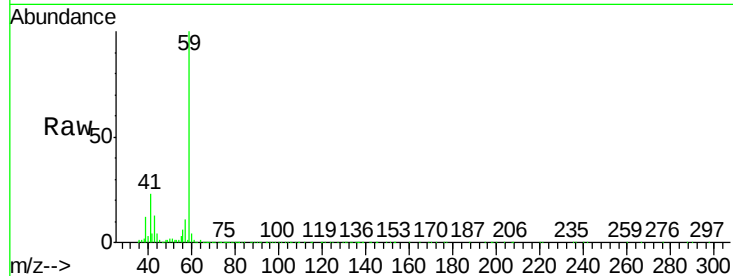
tert-Butyl Alcohol
 Concen: 99.000 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX007566.D
 Acq: 15 Feb 2019 14:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0216WBSD01

Tot Ion	59	Ratio	Lower	Upper
59	100			
52	0.1	0.2	0.2	

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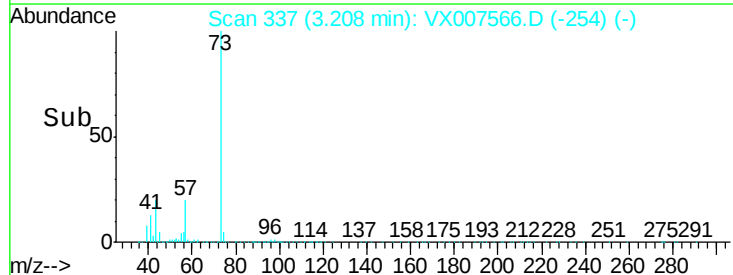
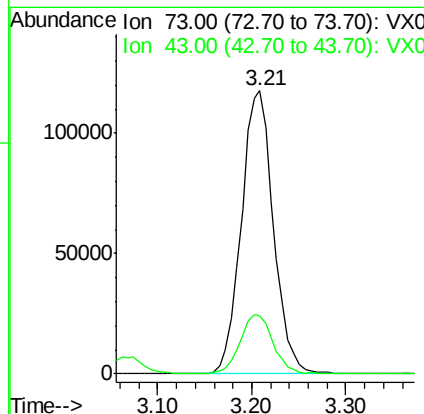
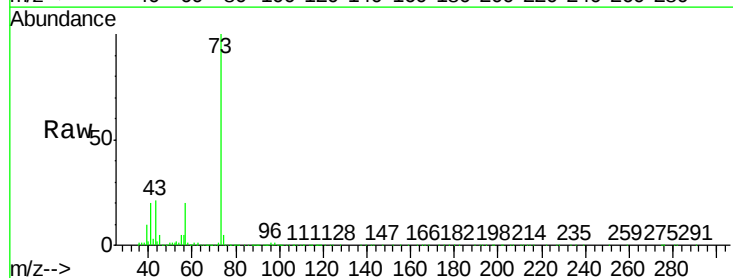
MMDadoda
 2/18/2019 10:40:33 AM

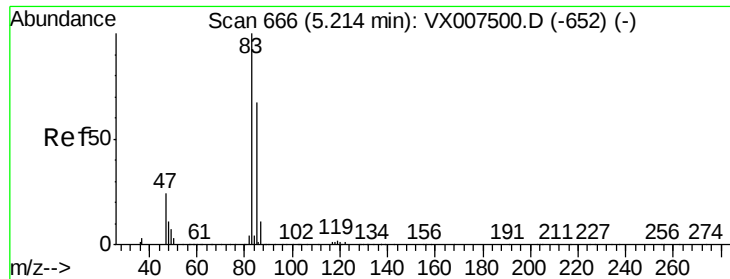


#24

Methyl tert-Butyl Ether
 Concen: 18.469 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. 0.01 min
 Lab File: VX007566.D
 Acq: 15 Feb 2019 14:25

Tgt Ion	73	Ratio	Lower	Upper
73	100			
43	21.4	17.1	25.7	





#25

Chloroform

Concen: 18.972 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX007566.D

Acq: 15 Feb 2019 14:25

Instrument :

MSVOA_X

ClientSampleId :

VX0216WBSD01

Tot Ion: 83 Resp: 158174

Ion Ratio Lower Upper

83 100

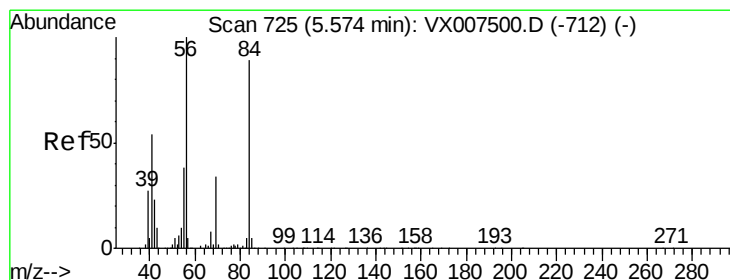
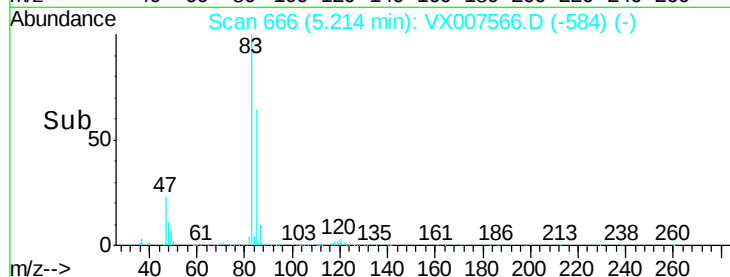
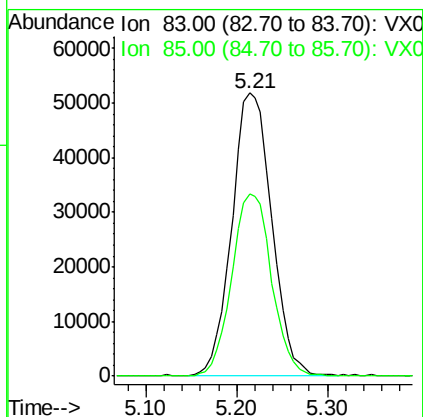
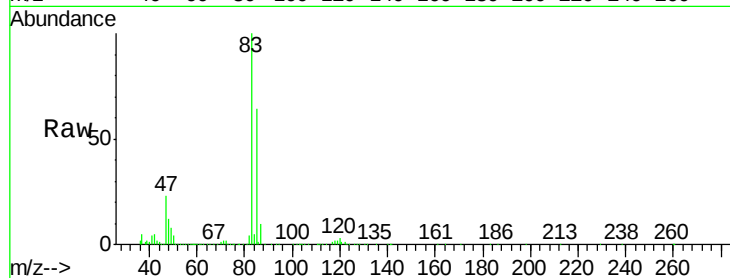
85 64.3 53.8 80.6

Manual Integrations

APPROVED

MMDadoda

2/18/2019 10:40:33 AM



#26

Cyclohexane

Concen: 19.767 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX007566.D

Acq: 15 Feb 2019 14:25

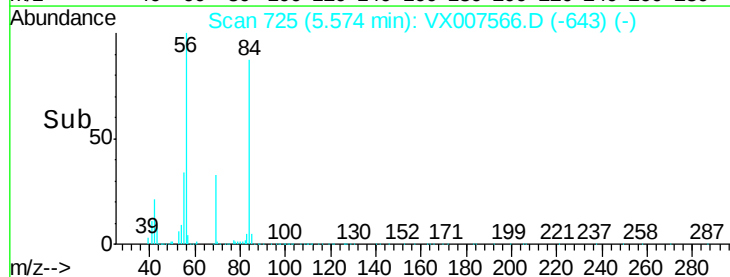
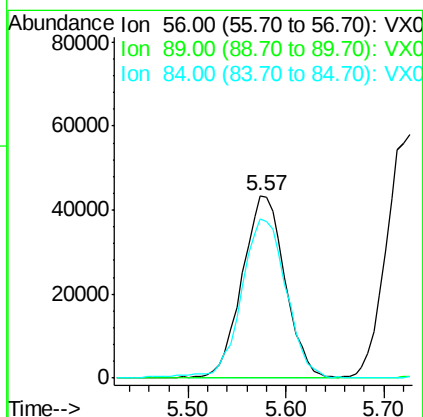
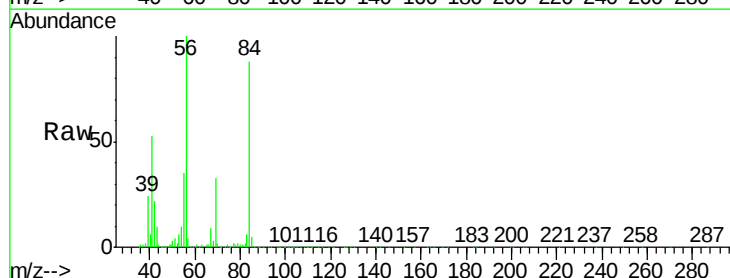
Tgt Ion: 56 Resp: 130845

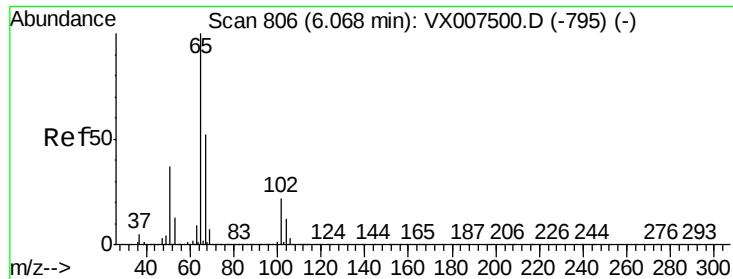
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0#

84 91.6 73.9 110.9





#27

1,2-Dichloroethane-d4

Concen: 29.042 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007566.D

Acq: 15 Feb 2019 14:25

Instrument :

MSVOA_X

ClientSampleId :

VX0216WBSD01

Tot Ion: 65 Resp: 148701

Ion Ratio Lower Upper

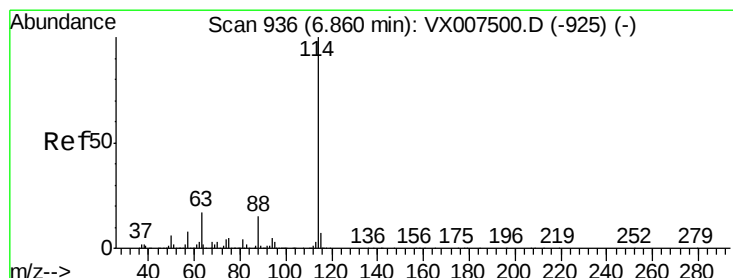
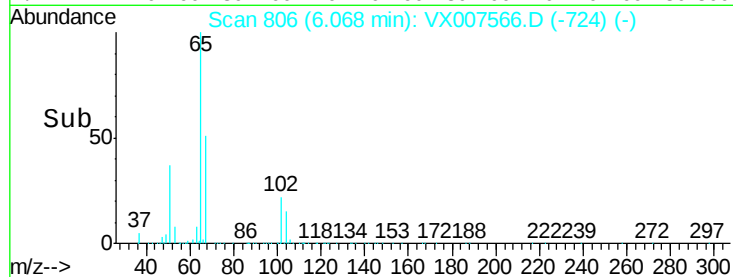
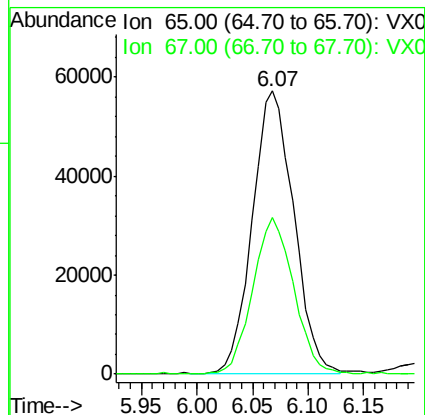
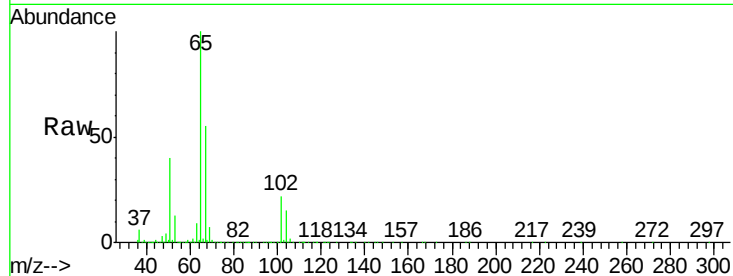
65 100

67 54.6 42.9 64.3

Manual Integrations
APPROVED

MMDadoda

2/18/2019 10:40:33 AM



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007566.D

Acq: 15 Feb 2019 14:25

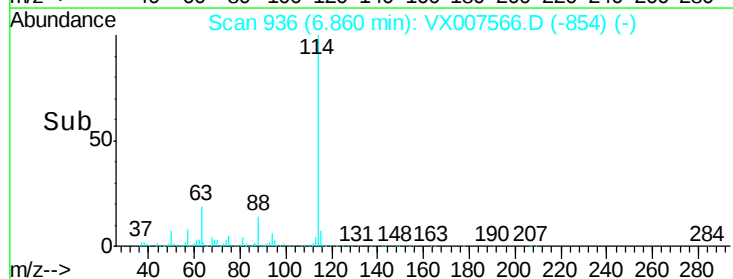
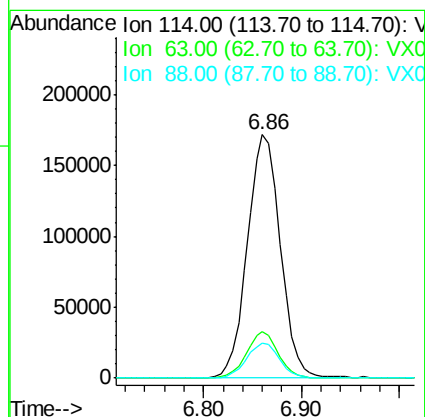
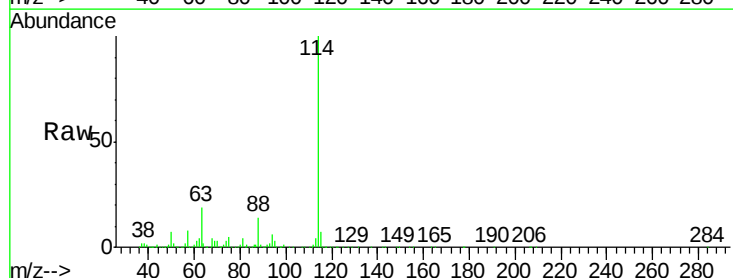
Tgt Ion: 114 Resp: 403347

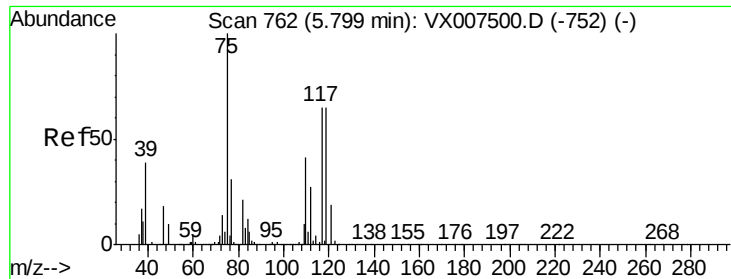
Ion Ratio Lower Upper

114 100

63 18.4 14.2 21.4

88 14.5 11.9 17.9





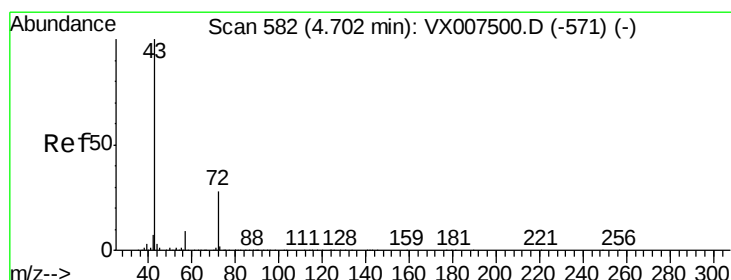
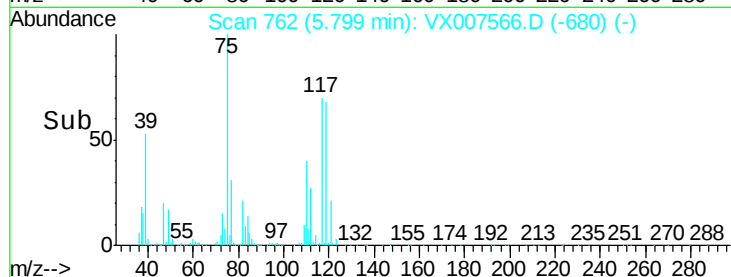
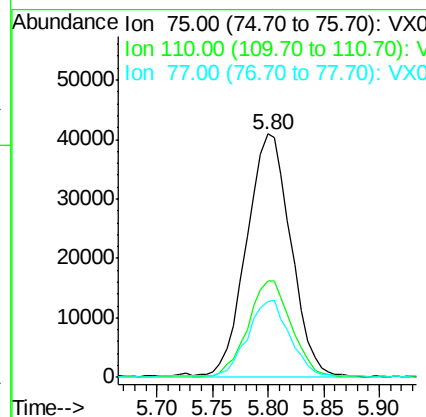
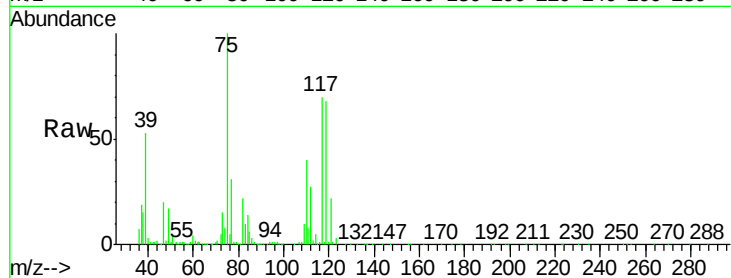
#29
 1,1-Dichloropropene
 Concen: 19.952 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX007566.D
 Acq: 15 Feb 2019 14:25

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0216WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
110	39.6	0.0	80.8
77	31.0	0.0	62.4

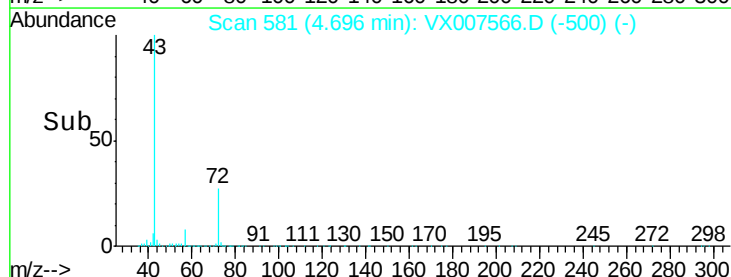
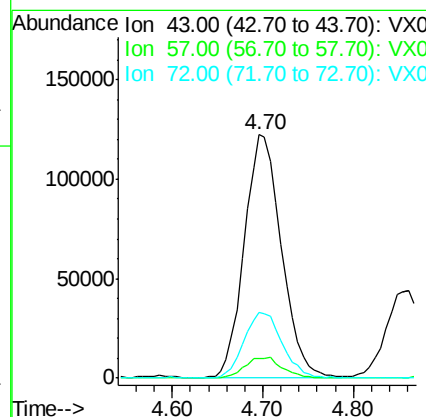
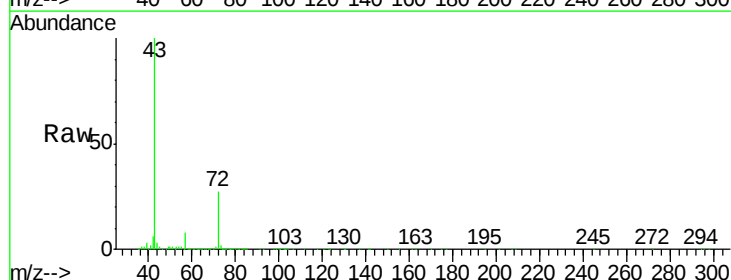
Manual Integrations
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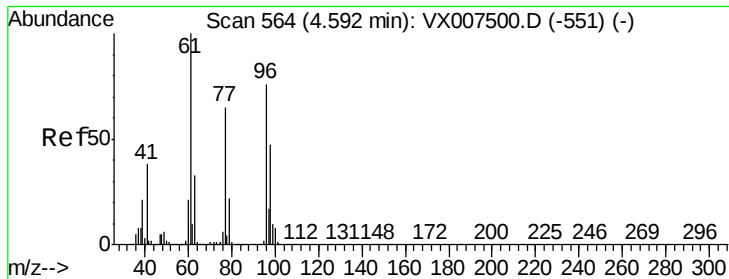
MMDadoda
 2/18/2019 10:40:33 AM



#30
 2-Butanone
 Concen: 103.663 ug/l
 RT: 4.70 min Scan# 581
 Delta R.T. -0.01 min
 Lab File: VX007566.D
 Acq: 15 Feb 2019 14:25

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.4	7.0	10.6
72	27.5	21.5	32.3





#31

2,2-Dichloropropane

Concen: 23.593 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.01 min

Lab File: VX007566.D

Acq: 15 Feb 2019 14:25

Instrument :

MSVOA_X

ClientSampleId :

VX0216WBSD01

Tot Ion: 77 Resp: 107847

Ion Ratio Lower Upper

77 100

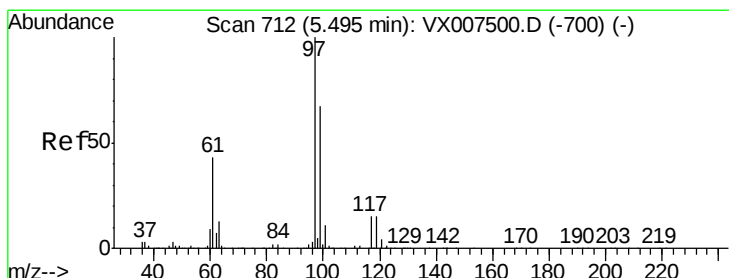
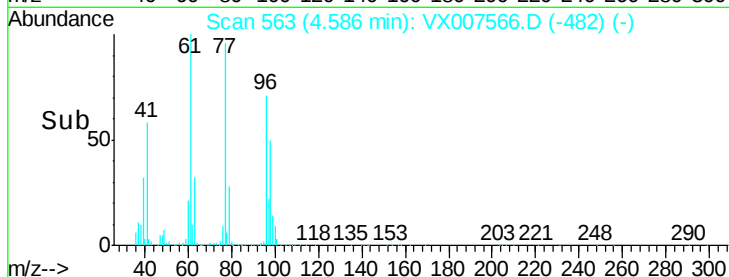
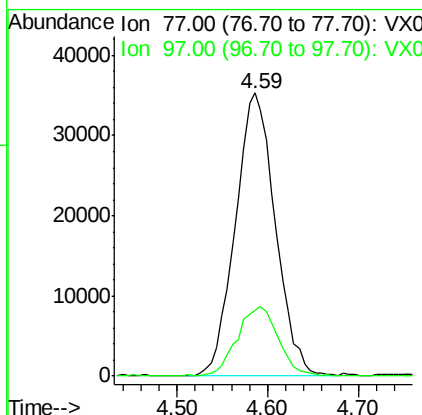
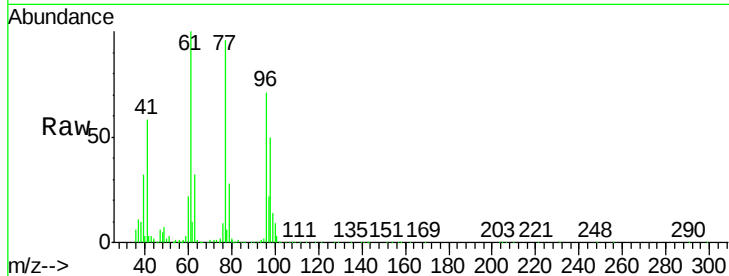
97 25.4 20.6 31.0

Manual Integrations

APPROVED

MMDadoda

2/18/2019 10:40:33 AM



#32

1,1,1-Trichloroethane

Concen: 19.831 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX007566.D

Acq: 15 Feb 2019 14:25

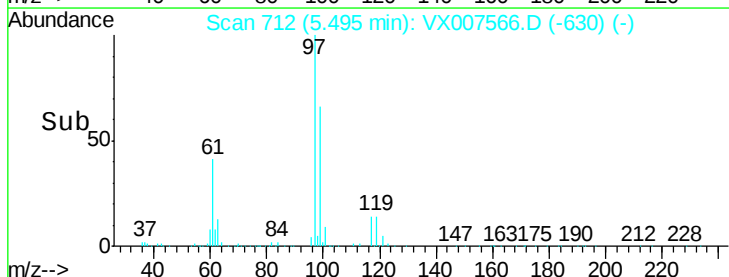
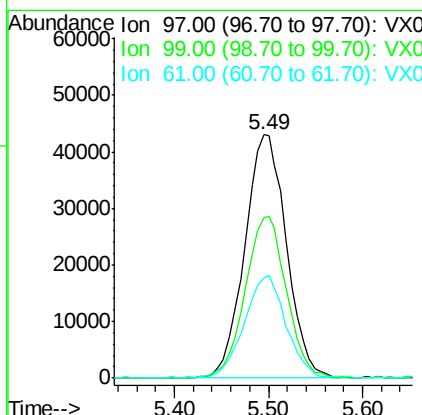
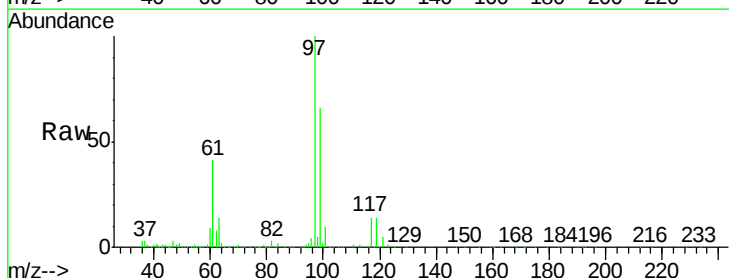
Tgt Ion: 97 Resp: 133363

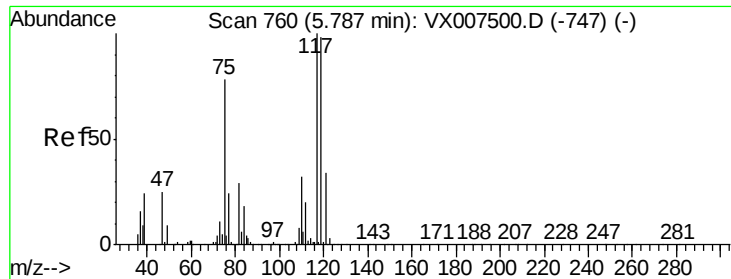
Ion Ratio Lower Upper

97 100

99 65.5 51.7 77.5

61 41.5 32.8 49.2





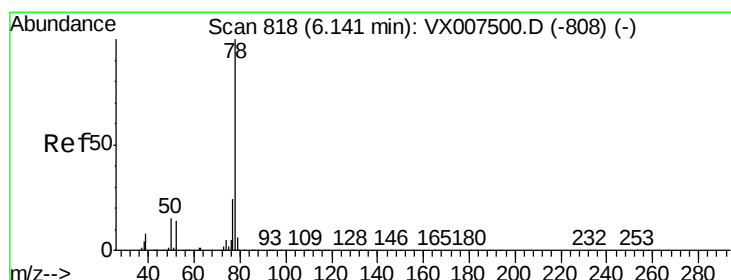
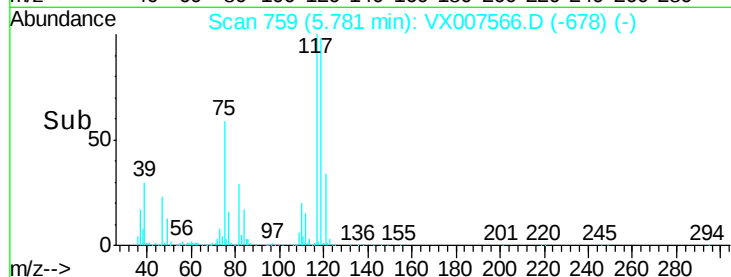
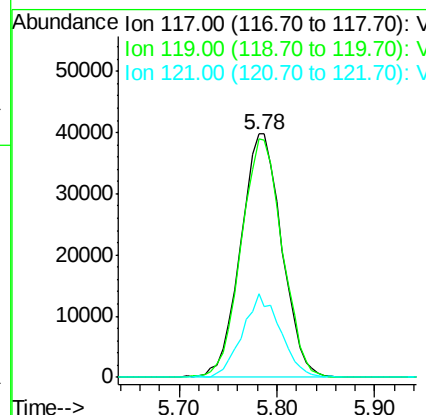
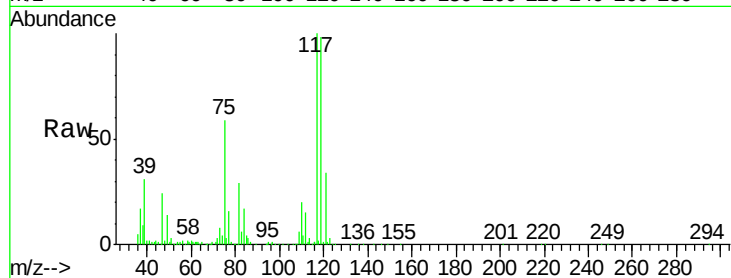
#33
Carbon Tetrachloride
Concen: 19.466 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX007566.D
Acq: 15 Feb 2019 14:25

Instrument :
MSVOA_X
ClientSampleId :
VX0216WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	115719		
119	97.7	78.1	117.1	
121	34.0	27.0	40.6	

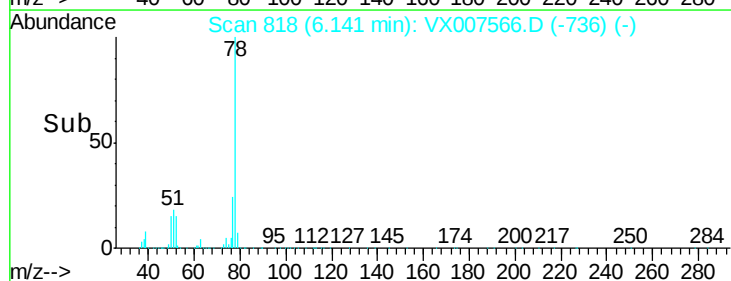
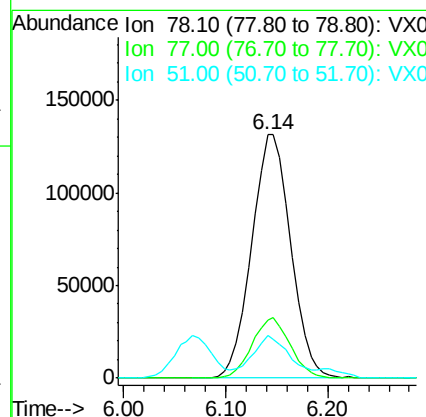
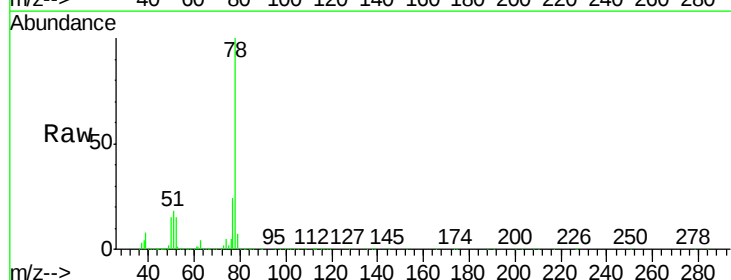
Manual Integrations
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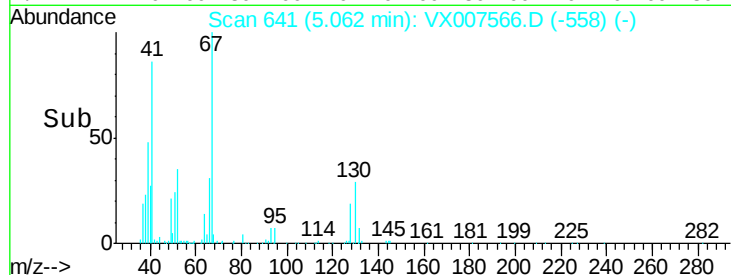
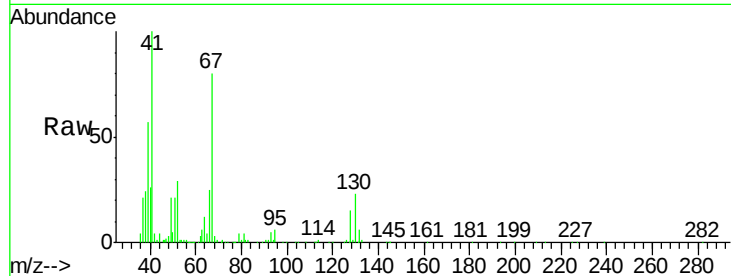
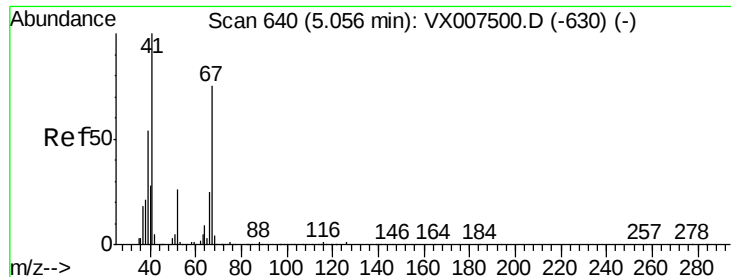
MMDadoda
2/18/2019 10:40:33 AM



#34
Benzene
Concen: 19.761 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX007566.D
Acq: 15 Feb 2019 14:25

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	350500		
77	24.0	19.1	28.7	
51	15.4	10.8	16.2	





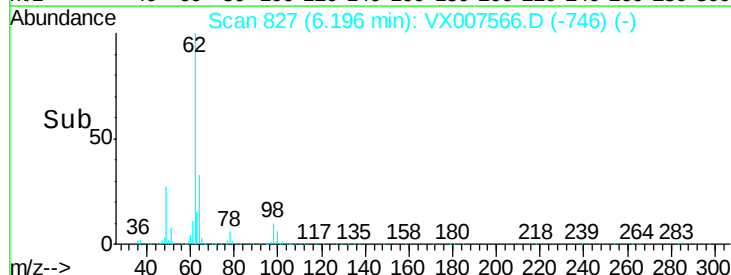
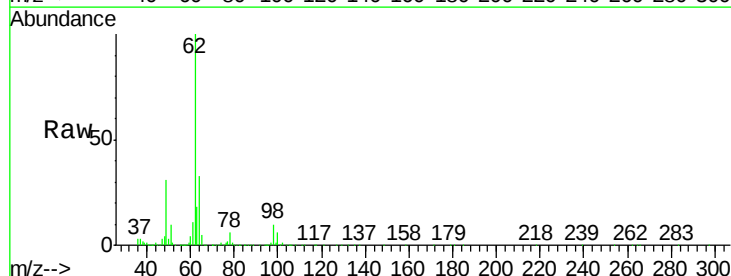
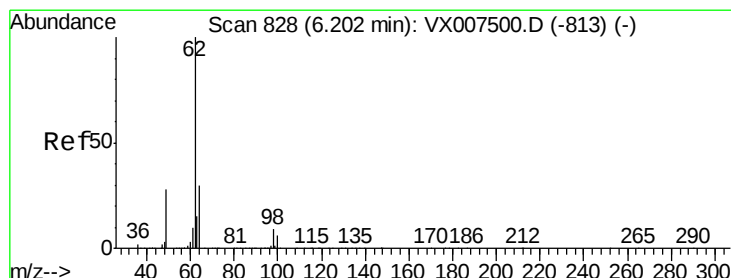
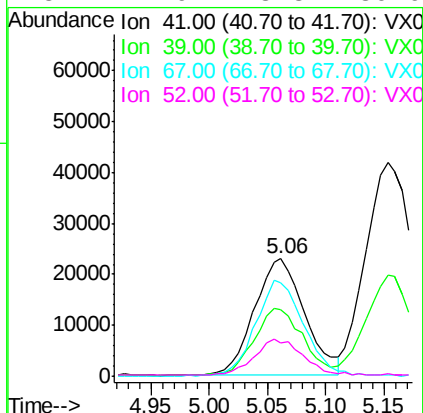
#35
Methacrylonitrile
Concen: 20.000 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX007566.D
Acq: 15 Feb 2019 14:25

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		69238		
39	55.7	27.4	82.0		
67	79.9	37.9	113.6		
52	27.9	13.3	39.9		

Instrument :
MSVOA_X
ClientSampleId :
VX0216WBSD01

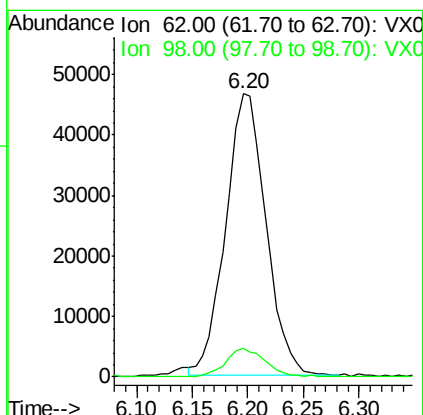
Manual Integrations
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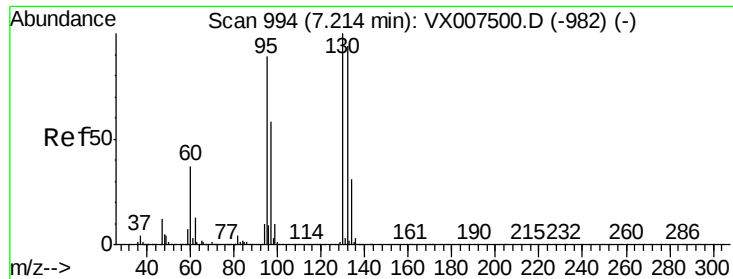
MMDadoda
2/18/2019 10:40:33 AM



#36
1,2-Dichloroethane
Concen: 19.387 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.01 min
Lab File: VX007566.D
Acq: 15 Feb 2019 14:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		117022		
98	10.1	7.8	11.8		





#37

Trichloroethene

Concen: 20.096 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX007566.D

Acq: 15 Feb 2019 14:25

Instrument :

MSVOA_X

ClientSampleId :

VX0216WBSD01

Tot Ion:130 Resp: 102480

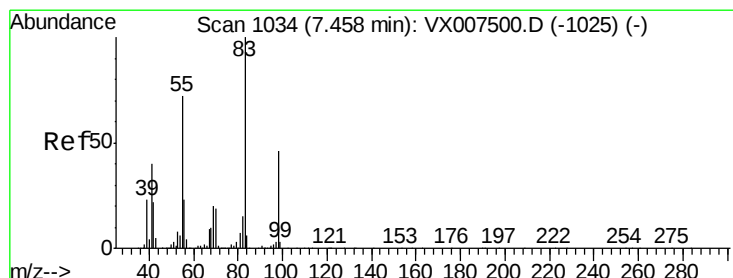
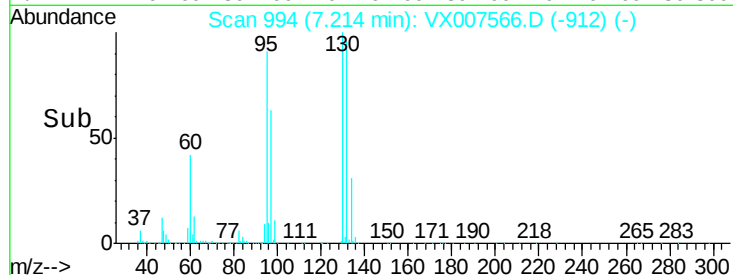
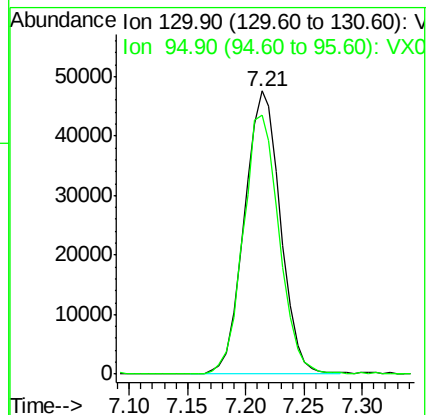
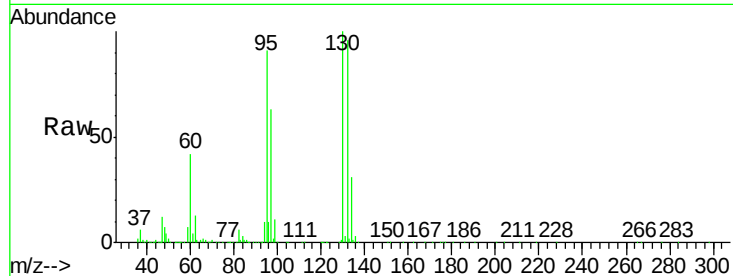
Ion Ratio Lower Upper

130 100

95 91.1 71.3 106.9

Manual Integrations
APPROVED

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2/18/2019 10:40:33 AM



#38

Methylcyclohexane

Concen: 20.754 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.01 min

Lab File: VX007566.D

Acq: 15 Feb 2019 14:25

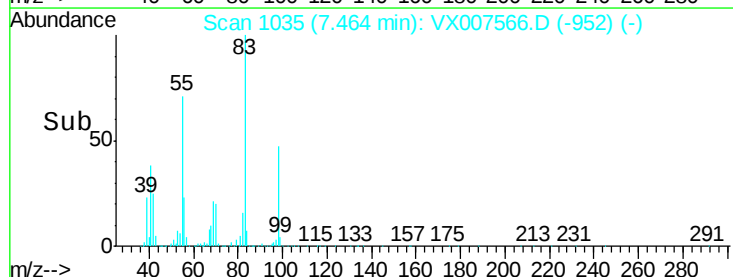
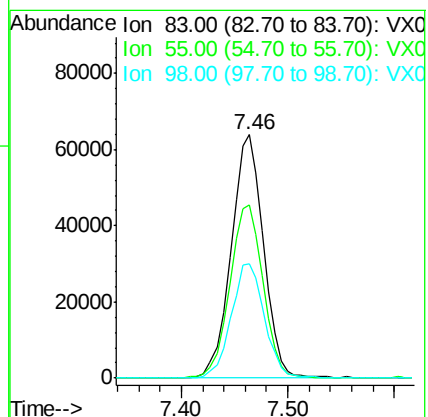
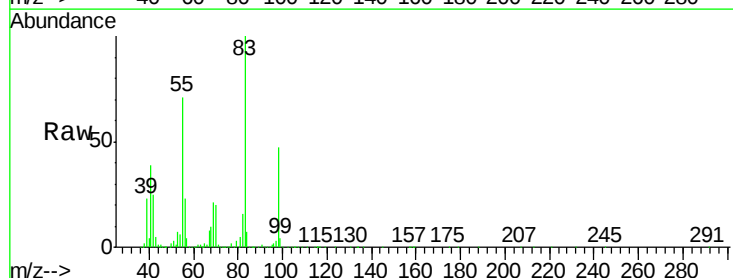
Tgt Ion: 83 Resp: 135172

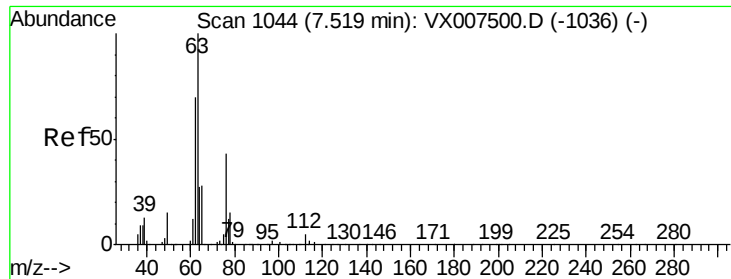
Ion Ratio Lower Upper

83 100

55 73.3 36.0 108.0

98 47.8 23.8 71.4





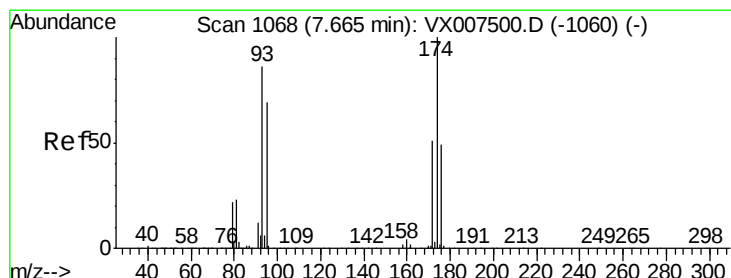
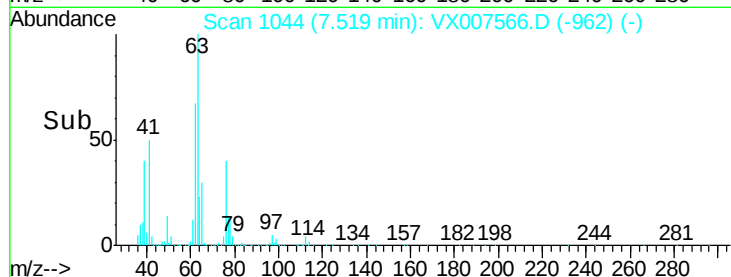
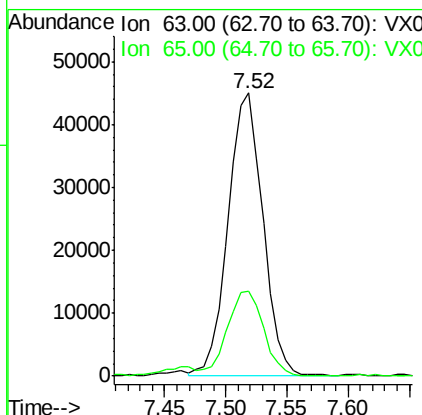
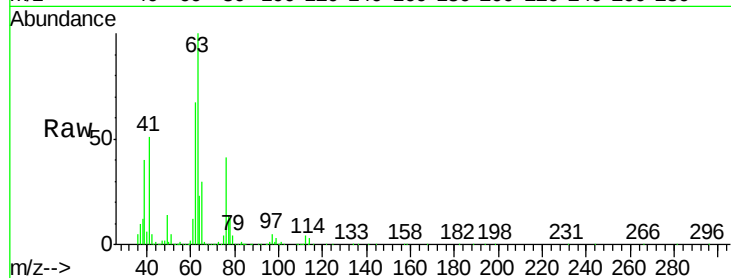
#39
 1,2-Dichloropropane
 Concen: 20.084 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX007566.D
 Acq: 15 Feb 2019 14:25

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0216WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.7	24.6	37.0

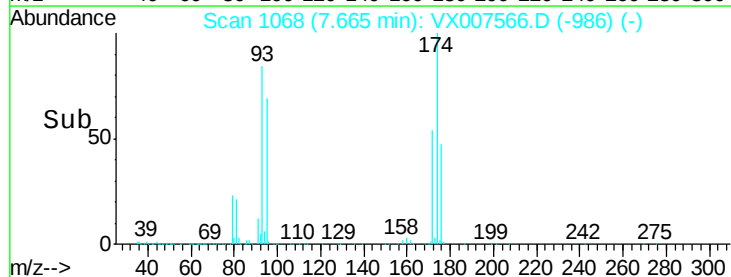
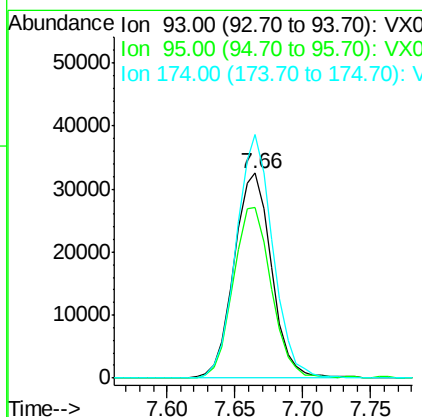
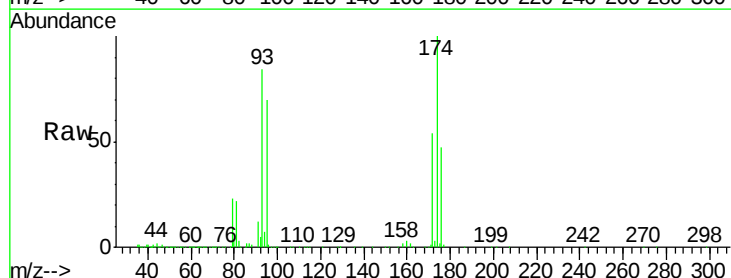
Manual Integrations
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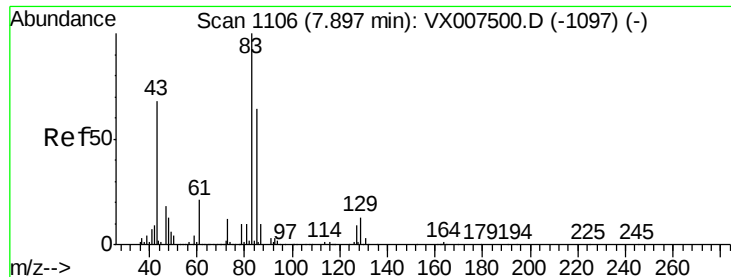
MMDadoda
 2/18/2019 10:40:33 AM



#40
 Dibromomethane
 Concen: 19.625 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX007566.D
 Acq: 15 Feb 2019 14:25

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.7	0.0	158.8
174	115.8	0.0	224.2





#41

Bromodichloromethane

Concen: 19.231 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX007566.D

Acq: 15 Feb 2019 14:25

Instrument :

MSVOA_X

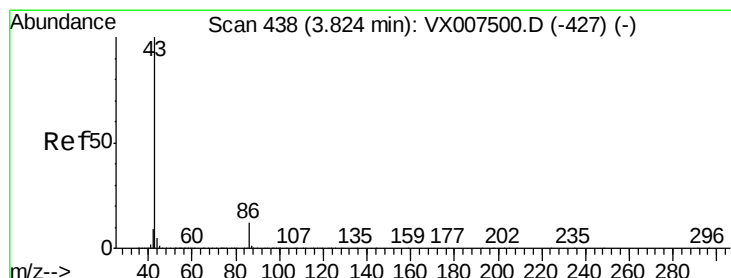
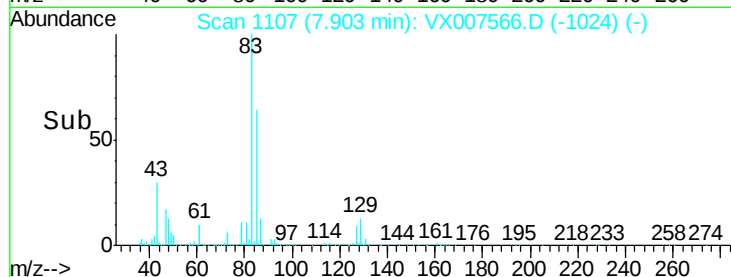
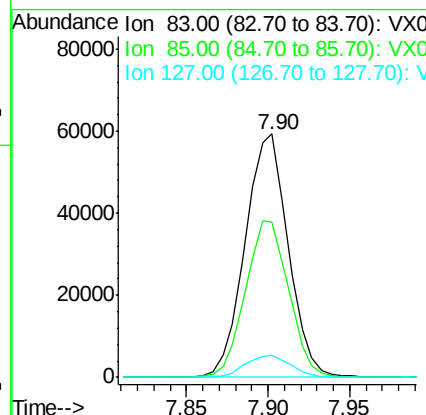
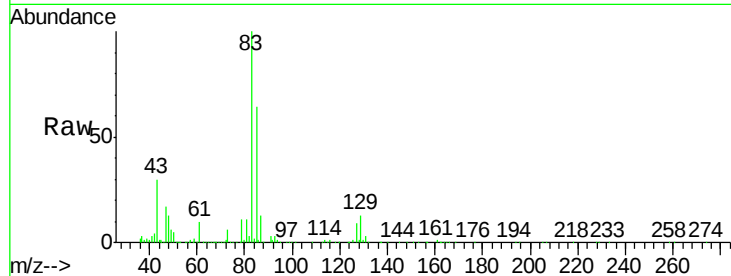
ClientSampleId :

VX0216WBSD01

Tot Ion	83	Resp	108737
Ion Ratio	Lower	Upper	
83	100		
85	63.7	51.1	76.7
127	9.1	7.2	10.8

Manual Integrations
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MMDadoda
2/18/2019 10:40:33 AM



#42

Vinyl Acetate

Concen: 101.174 ug/l

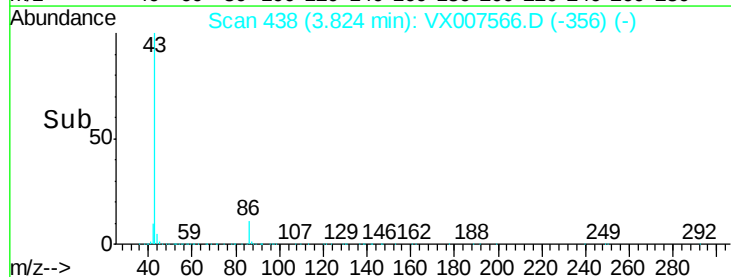
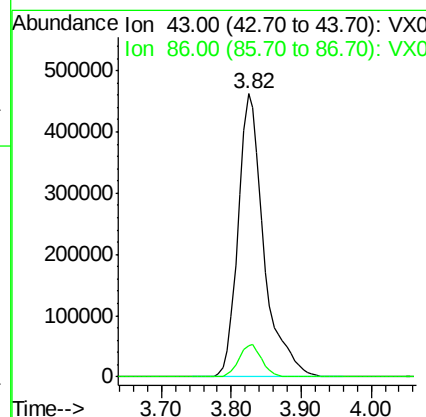
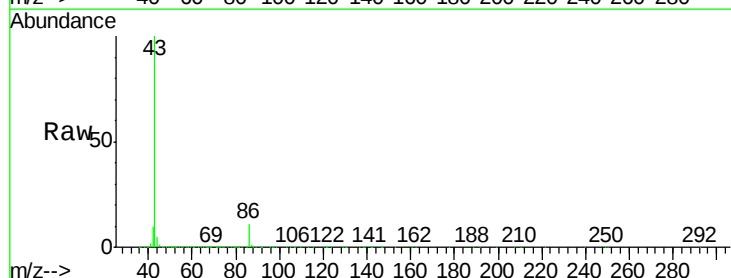
RT: 3.82 min Scan# 438

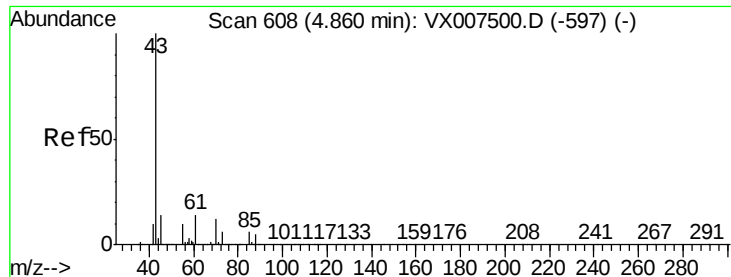
Delta R.T. 0.00 min

Lab File: VX007566.D

Acq: 15 Feb 2019 14:25

Tgt Ion	43	Resp	1179121
Ion Ratio	Lower	Upper	
43	100		
86	10.2	8.2	12.2





#43

Ethyl Acetate

Concen: 20.383 ug/l

RT: 4.86 min Scan# 608

Delta R.T. 0.00 min

Lab File: VX007566.D

Acq: 15 Feb 2019 14:25

Instrument :

MSVOA_X

ClientSampleId :

VX0216WBSD01

Tot Ion: 43 Resp: 129968

Ion Ratio Lower Upper

43 100

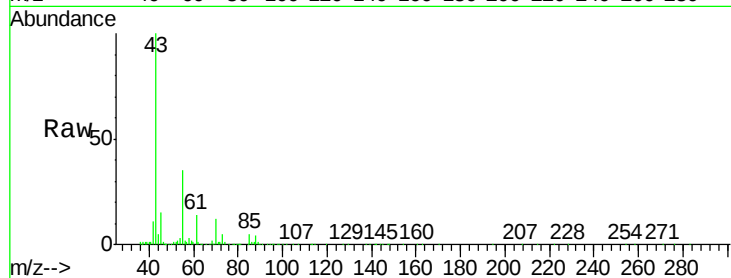
45 14.3 6.9 10.3#

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

120000

100000

80000

60000

40000

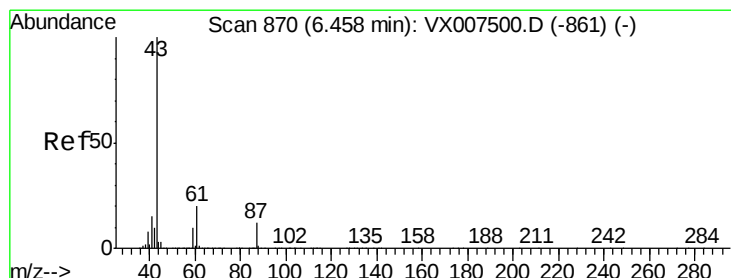
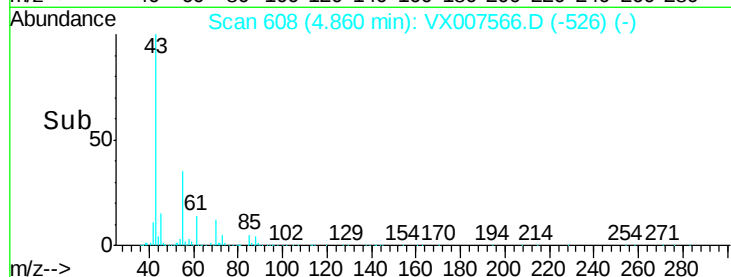
20000

0

4.80

4.90

Time-->



#44

Isopropyl Acetate

Concen: 19.689 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX007566.D

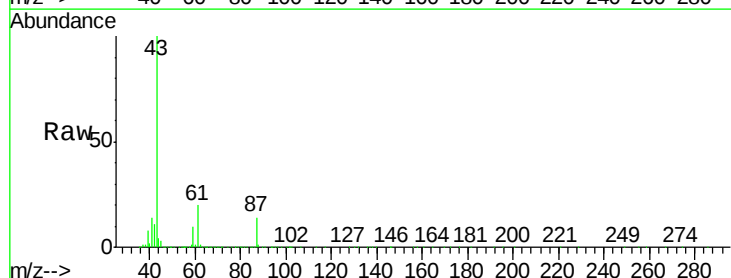
Acq: 15 Feb 2019 14:25

Tgt Ion: 43 Resp: 193832

Ion Ratio Lower Upper

43 100

61 20.0 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

80000

60000

40000

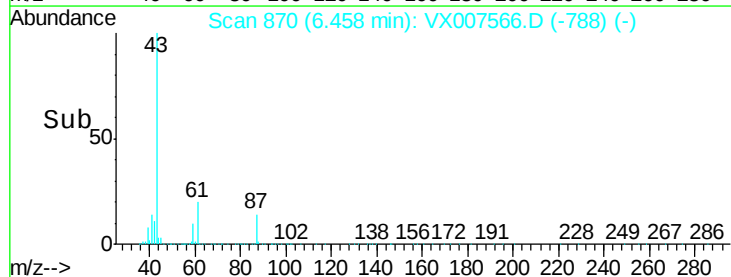
20000

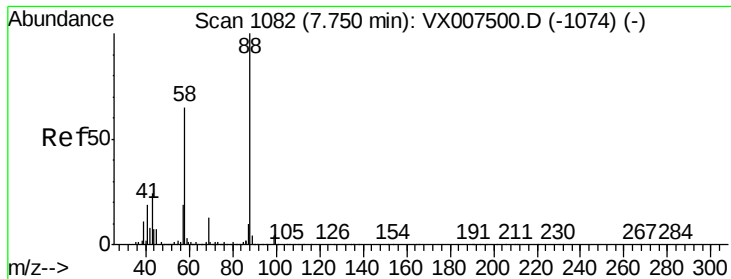
0

6.40

6.50

Time-->





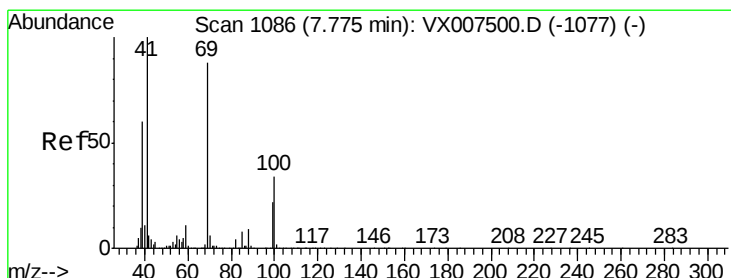
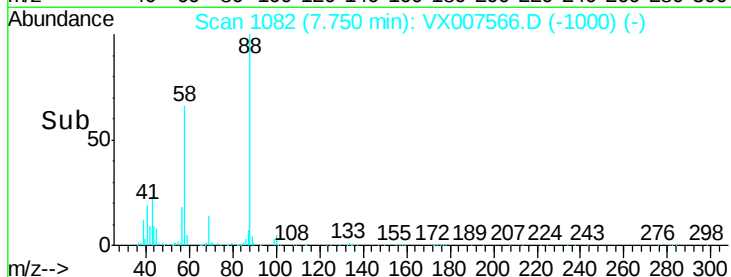
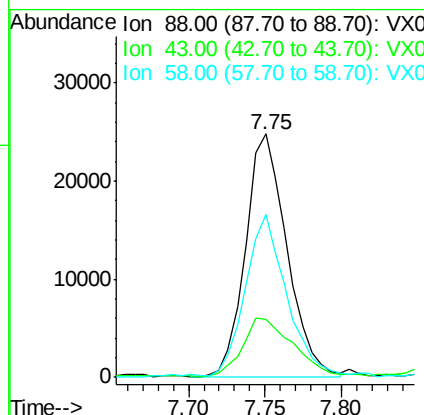
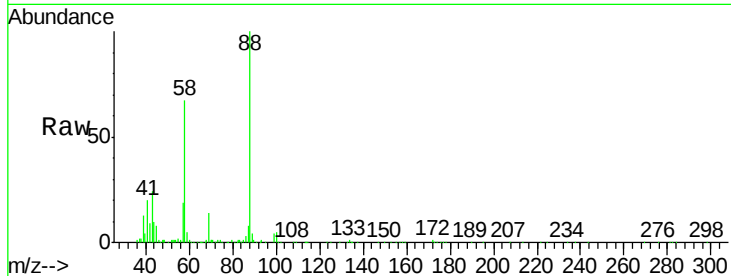
#45
 1,4-Dioxane
 Concen: 402.621 ug/l
 RT: 7.75 min Scan# 1082
 Delta R.T. -0.00 min
 Lab File: VX007566.D
 Acq: 15 Feb 2019 14:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0216WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.6	23.6	35.4
58	65.7	51.6	77.4

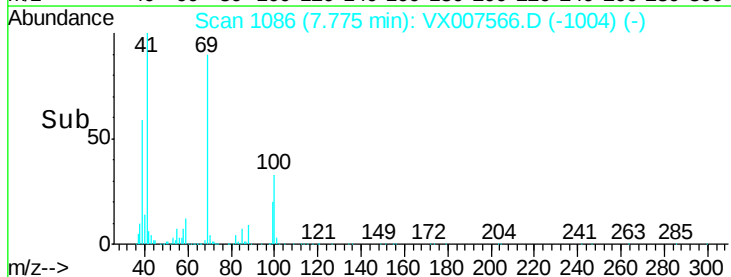
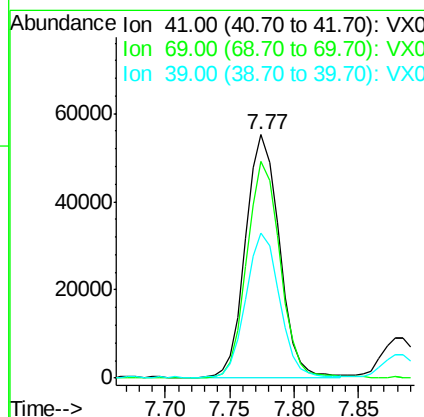
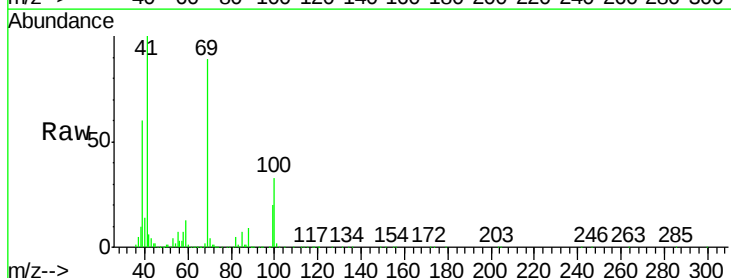
Manual Integrations
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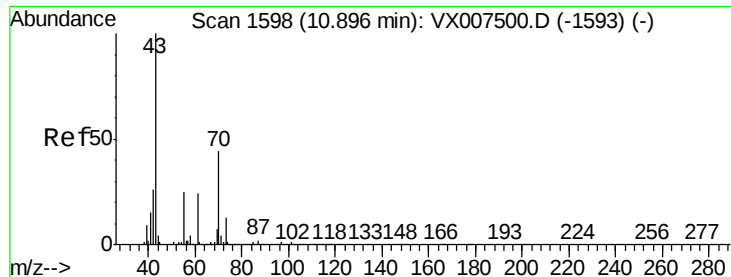
MMDadoda
 2/18/2019 10:40:33 AM



#46
 Methyl methacrylate
 Concen: 19.959 ug/l
 RT: 7.77 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX007566.D
 Acq: 15 Feb 2019 14:25

Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.3	44.2	132.6
39	59.5	29.9	89.8





#47

n-amvl Acetate

Concen: 19.323 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007566.D

Acq: 15 Feb 2019 14:25

Instrument :

MSVOA_X

ClientSampleId :

VX0216WBSD01

Tot Ion: 43 Resp: 167667

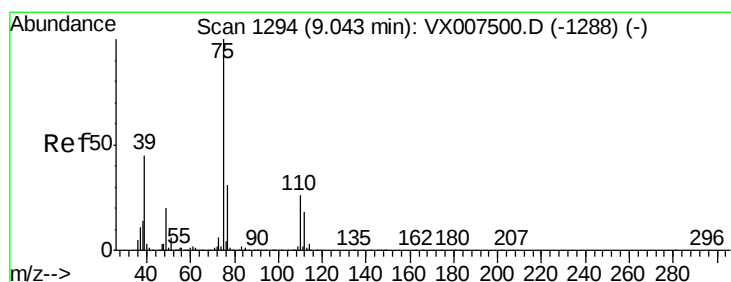
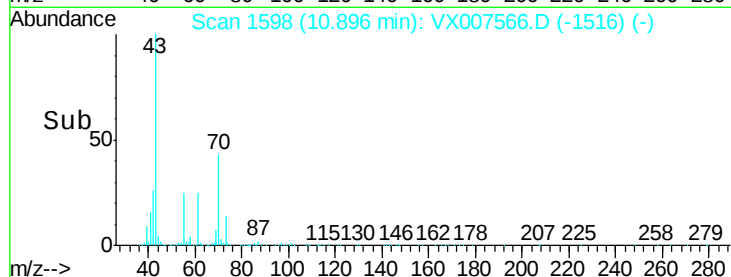
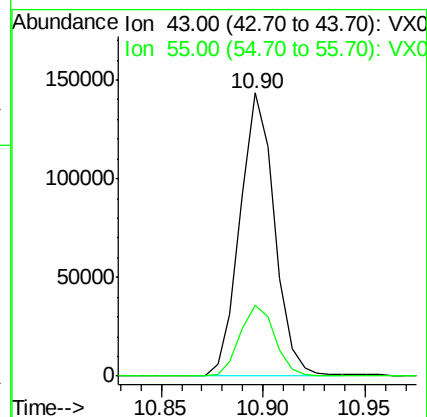
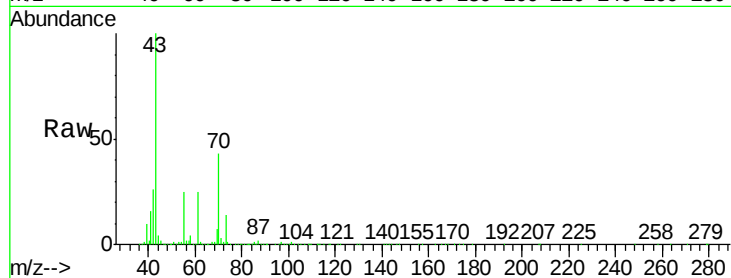
Ion Ratio Lower Upper

43 100

55 24.9 20.8 31.2

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#48

t-1,3-Dichloropropene

Concen: 19.456 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX007566.D

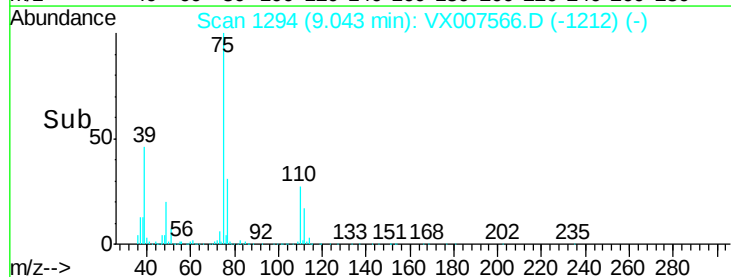
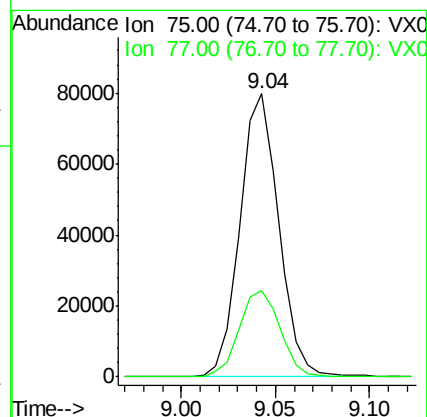
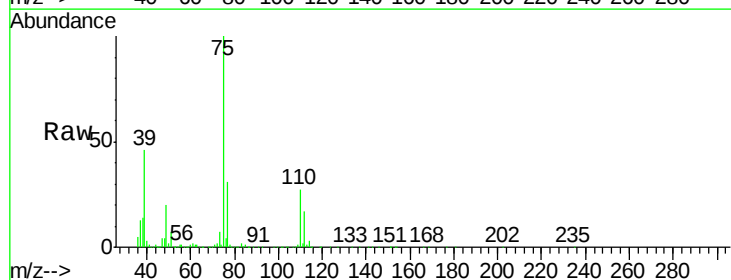
Acq: 15 Feb 2019 14:25

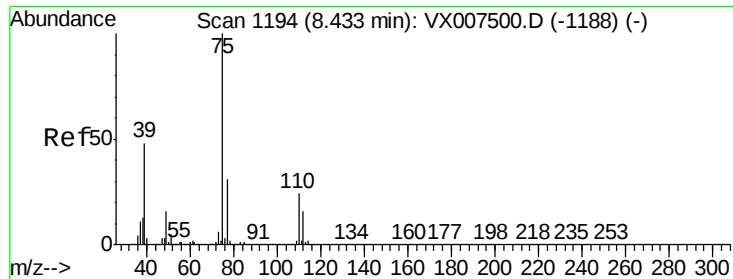
Tgt Ion: 75 Resp: 113571

Ion Ratio Lower Upper

75 100

77 30.5 24.5 36.7





#49

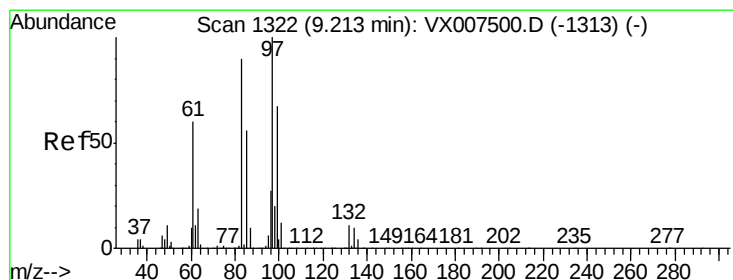
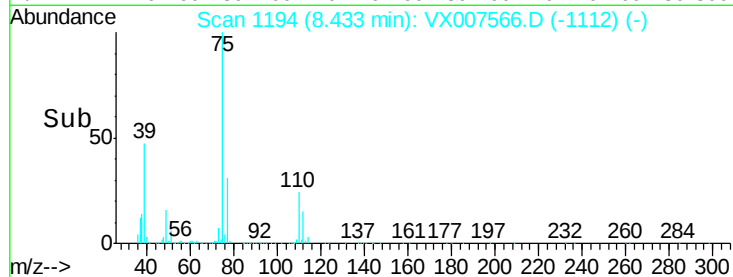
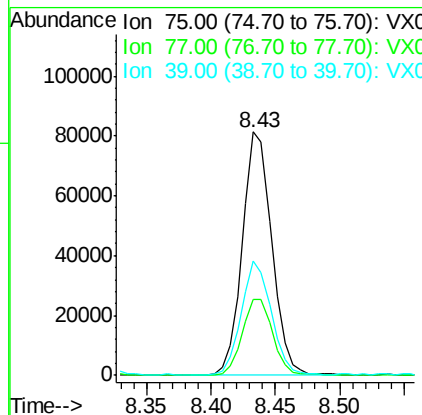
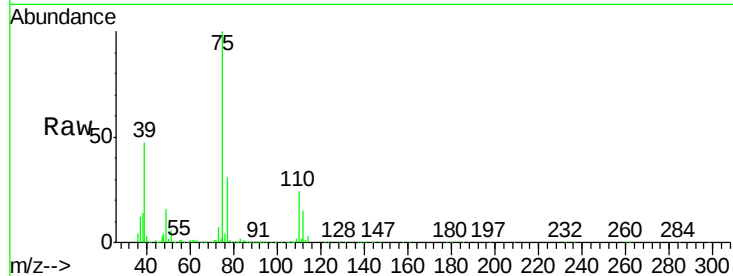
cis-1,3-Dichloropropene
 Concen: 19.829 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX007566.D
 Acq: 15 Feb 2019 14:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0216WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.0	37.4
39	46.7	38.5	57.7

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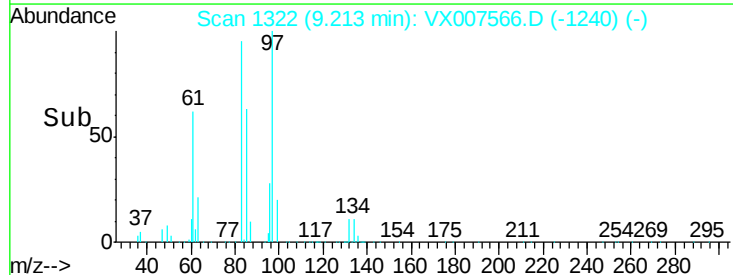
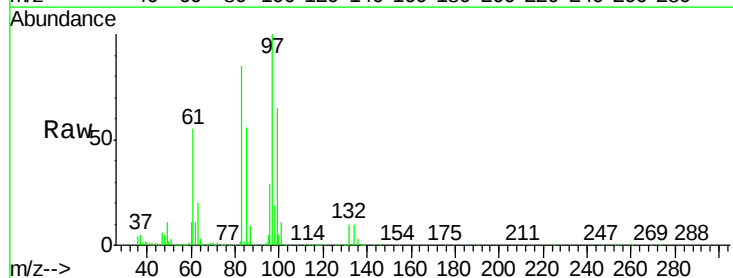
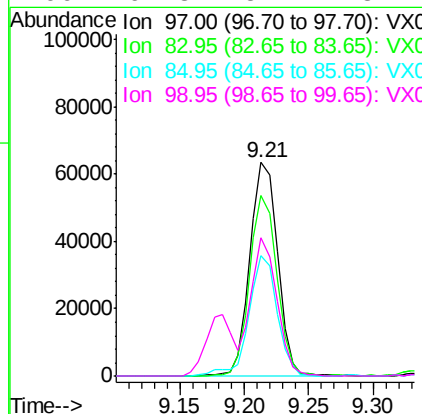
MMDadoda
 2/18/2019 10:40:33 AM

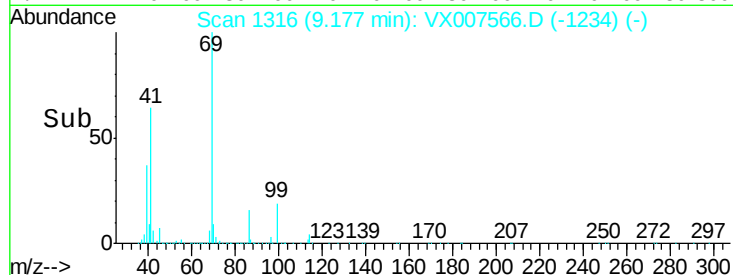
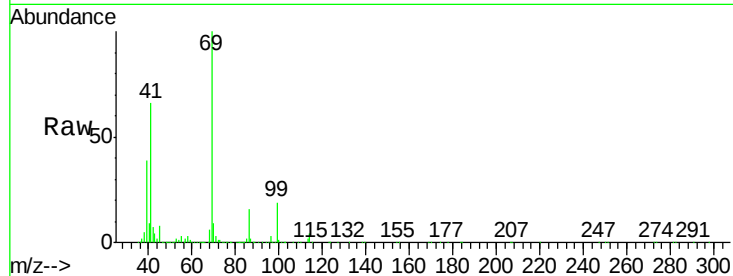
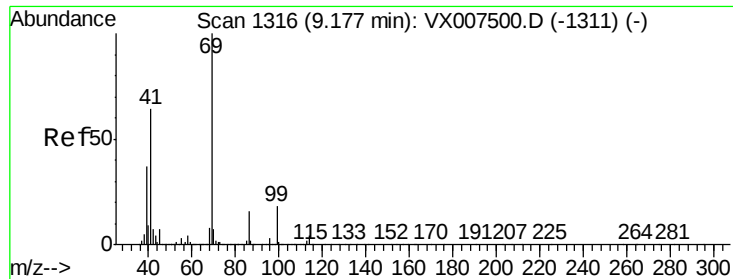


#50

1,1,2-Trichloroethane
 Concen: 20.349 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX007566.D
 Acq: 15 Feb 2019 14:25

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.6	72.0	108.0
85	56.2	45.0	67.6
99	64.3	54.2	81.4





#51

Ethyl methacrylate

Concen: 19.160 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX007566.D

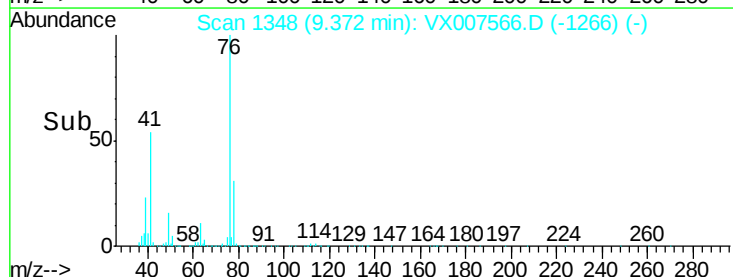
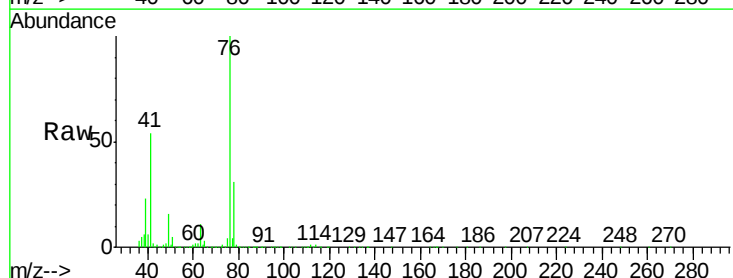
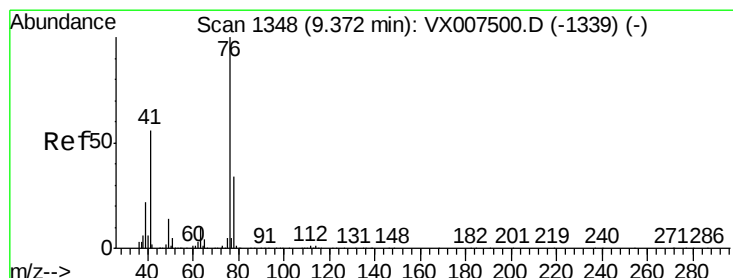
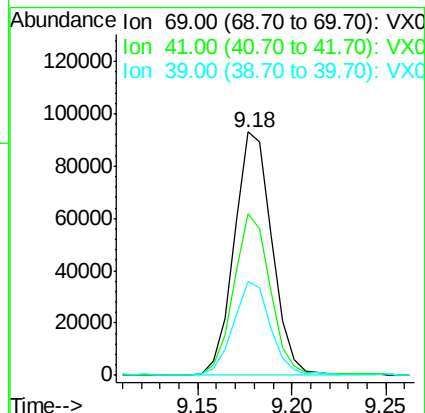
Acq: 15 Feb 2019 14:25

Tot Ion:	69	Resp:	129050
Ion Ratio	Lower	Upper	
69	100		
41	66.0	32.1	96.5
39	38.5	18.8	56.3

Instrument :
MSVOA_X
ClientSampleId :
VX0216WBSD01

Manual Integrations
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2/18/2019 10:40:33 AM



#52

1,3-Dichloropropane

Concen: 19.746 ug/l

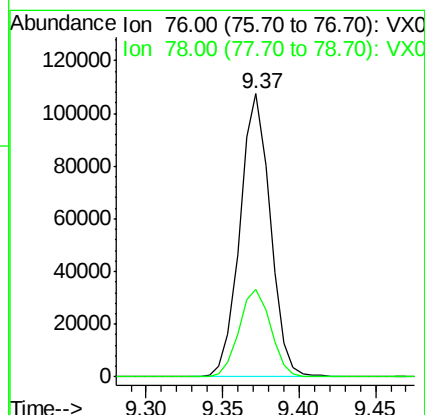
RT: 9.37 min Scan# 1348

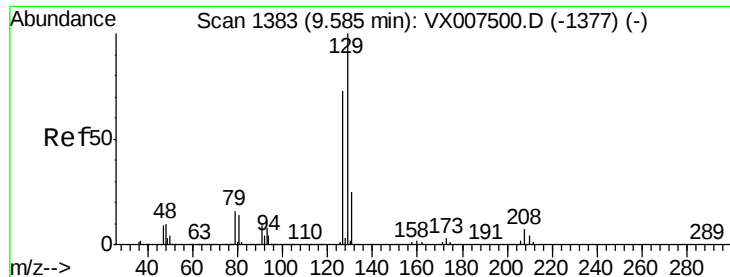
Delta R.T. 0.00 min

Lab File: VX007566.D

Acq: 15 Feb 2019 14:25

Tgt Ion:	76	Resp:	147971
Ion Ratio	Lower	Upper	
76	100		
78	32.5	0.0	65.2





#53

Dibromochloromethane

Concen: 18.859 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.01 min

Lab File: VX007566.D

Acq: 15 Feb 2019 14:25

Instrument :

MSVOA_X

ClientSampleId :

VX0216WBSD01

Tot Ion:129 Resp: 91129

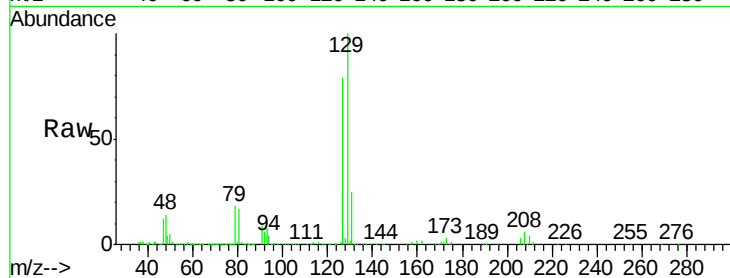
Ion Ratio Lower Upper

129 100

127 78.4 38.4 115.2

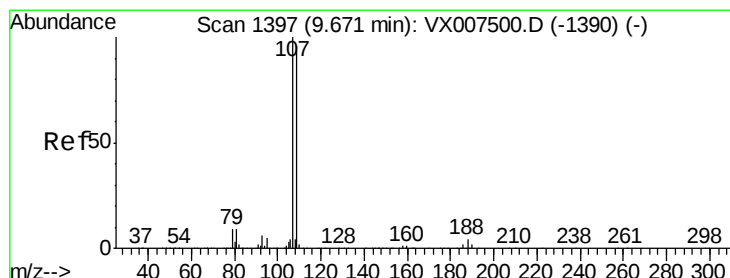
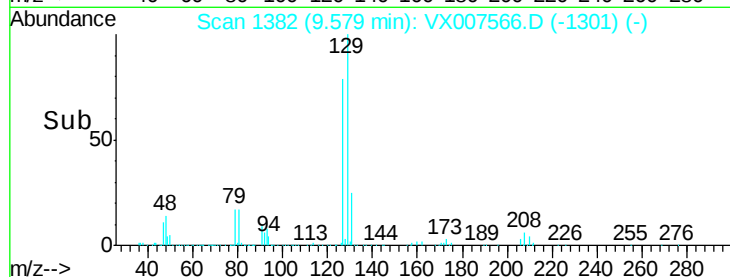
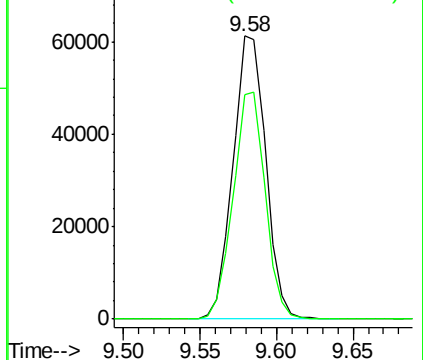
Manual Integrations
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2/18/2019 10:40:33 AM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.632 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007566.D

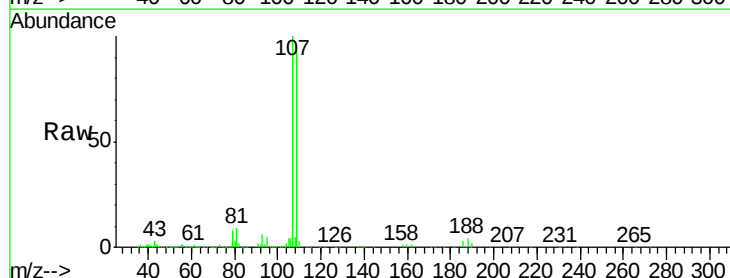
Acq: 15 Feb 2019 14:25

Tgt Ion:107 Resp: 99870

Ion Ratio Lower Upper

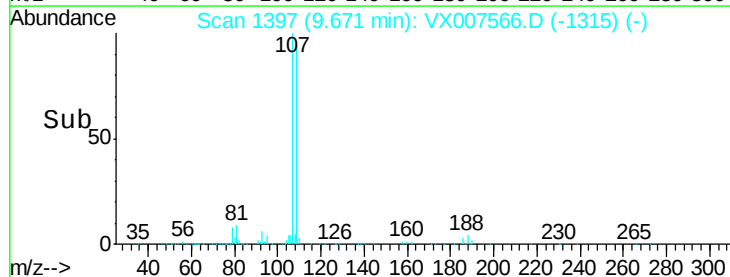
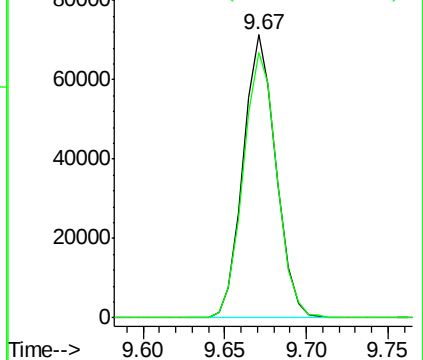
107 100

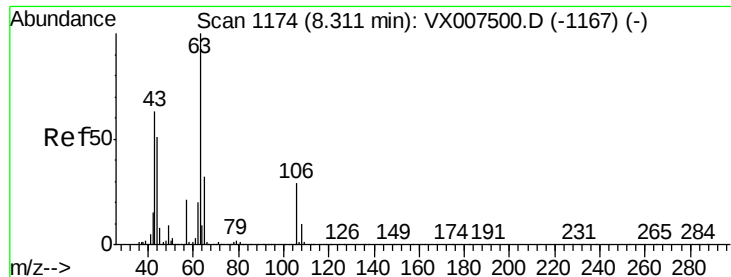
109 96.2 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 98.780 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX007566.D

Acq: 15 Feb 2019 14:25

Instrument :

MSVOA_X

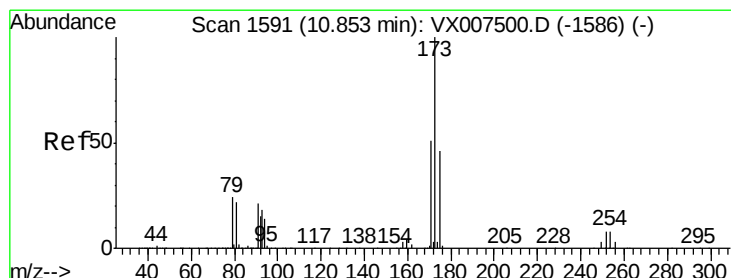
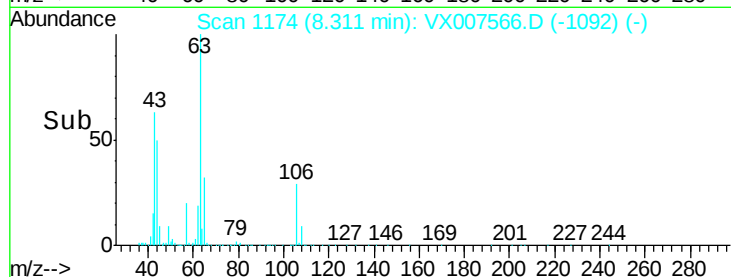
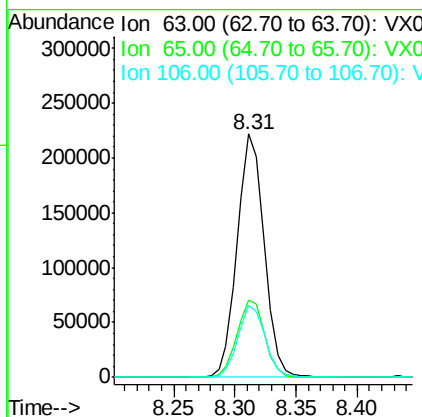
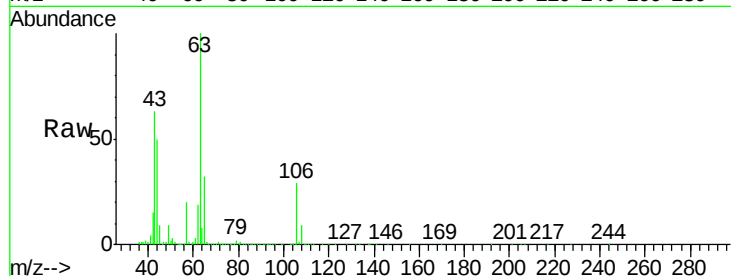
ClientSampleId :

VX0216WBSD01

Tot Ion:	63	Resp:	338249
Ion Ratio	Lower	Upper	
63	100		
65	32.2	25.7	38.5
106	29.9	23.7	35.5

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2/18/2019 10:40:33 AM



#56

Bromoform

Concen: 18.704 ug/l

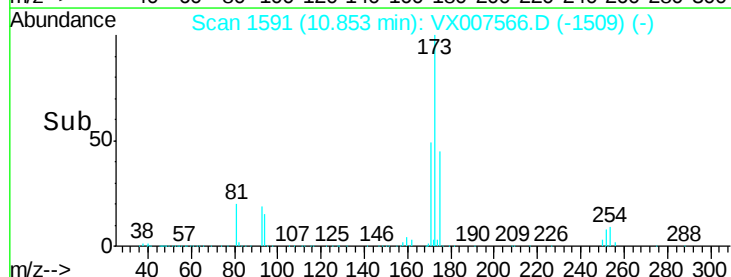
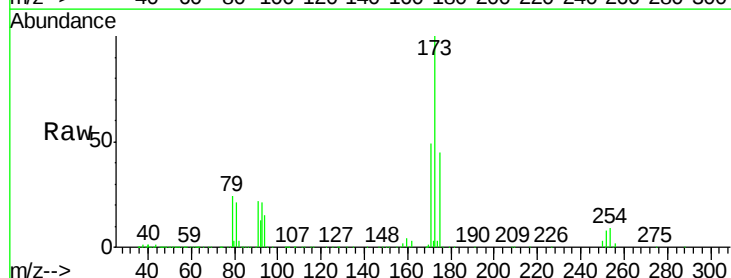
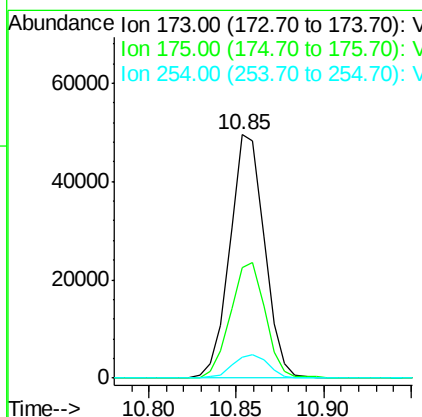
RT: 10.85 min Scan# 1591

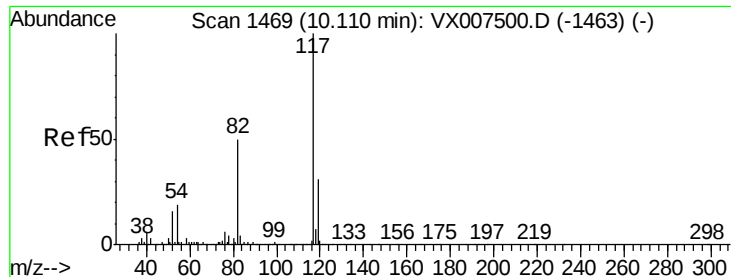
Delta R.T. -0.00 min

Lab File: VX007566.D

Acq: 15 Feb 2019 14:25

Tgt Ion:	173	Resp:	68173
Ion Ratio	Lower	Upper	
173	100		
175	47.5	38.5	57.7
254	10.0	7.4	11.2





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX007566.D

Acq: 15 Feb 2019 14:25

Instrument :

MSVOA_X

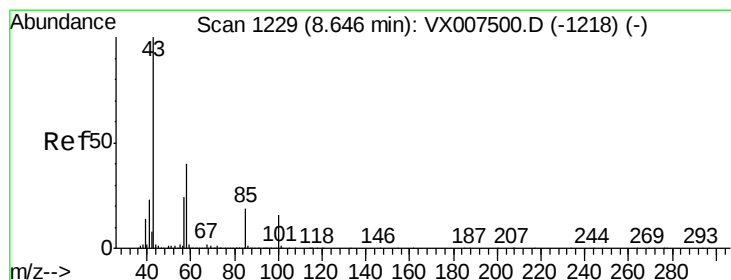
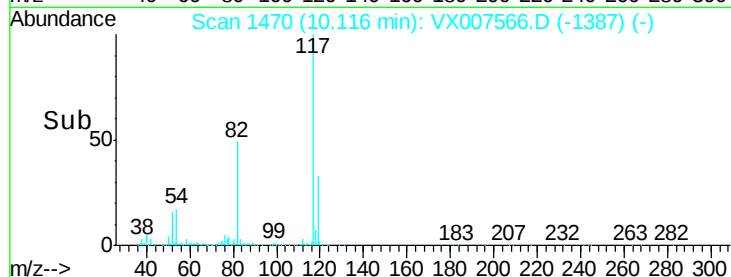
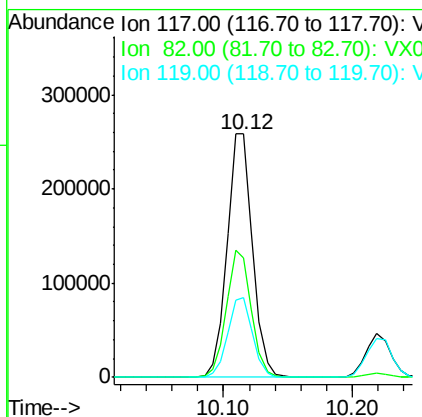
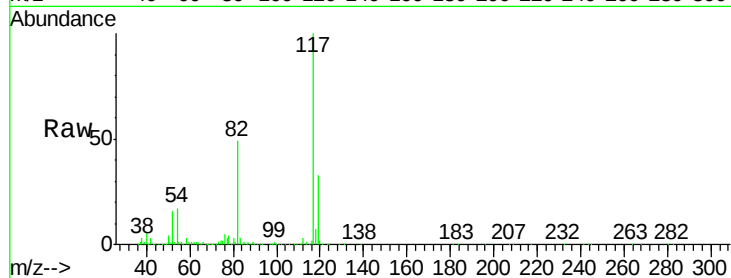
ClientSampled :

VX0216WBSD01

Tot Ion:	117	Resp:	358883
Ion Ratio	Lower	Upper	
117	100		
82	51.0	40.4	60.6
119	32.2	25.8	38.6

Manual Integrations
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2/18/2019 10:40:33 AM



#58

4-Methyl-2-Pentanone

Concen: 102.129 ug/l

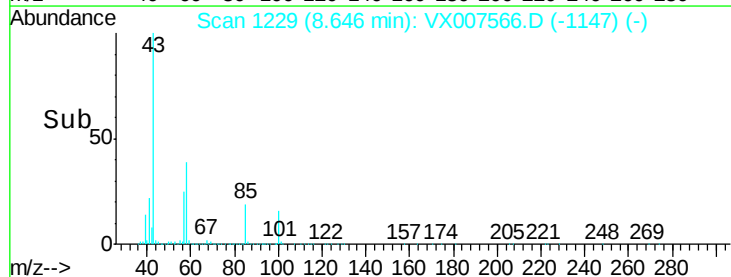
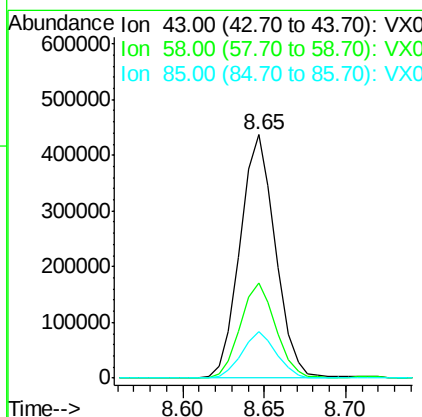
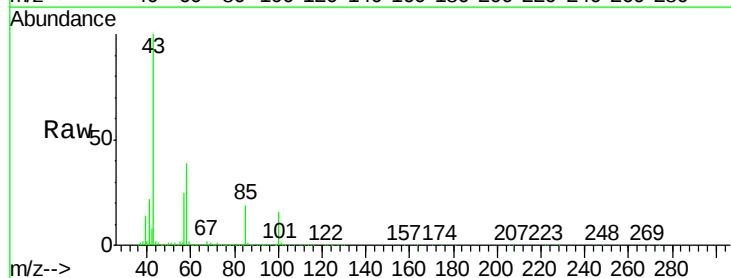
RT: 8.65 min Scan# 1229

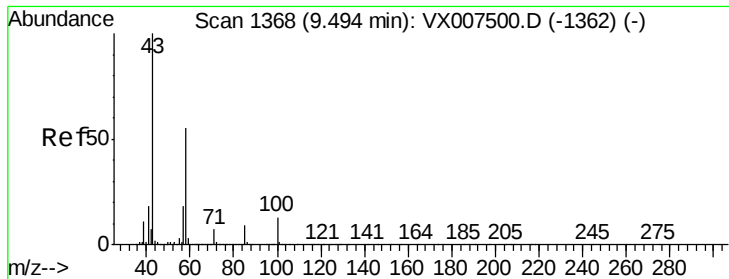
Delta R.T. -0.00 min

Lab File: VX007566.D

Acq: 15 Feb 2019 14:25

Tgt Ion:	43	Resp:	659267
Ion Ratio	Lower	Upper	
43	100		
58	39.1	31.4	47.0
85	18.7	15.0	22.6





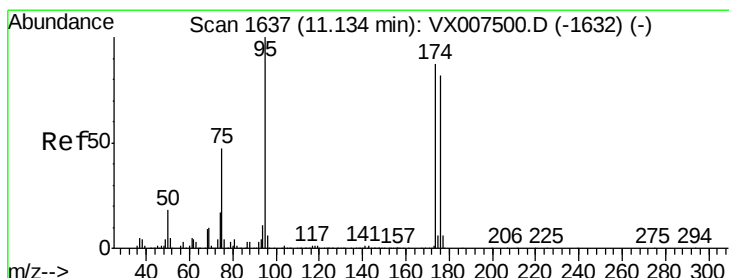
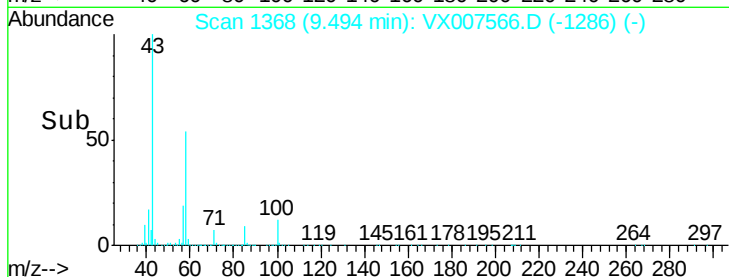
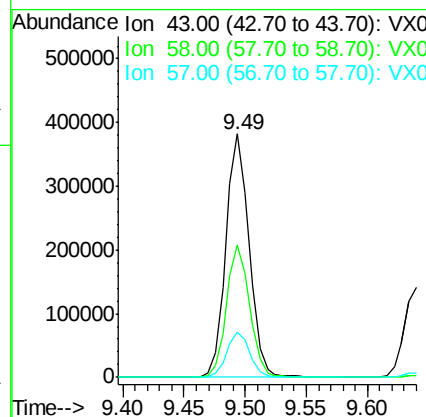
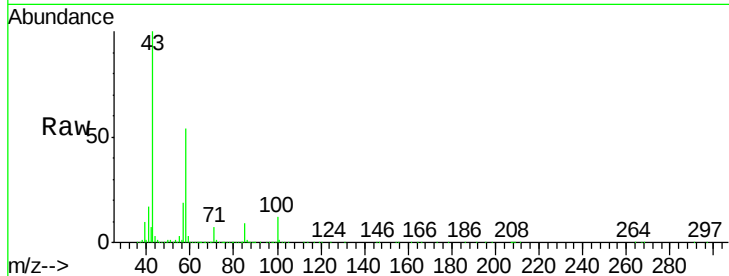
#59
2-Hexanone
Concen: 102.912 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007566.D
Acq: 15 Feb 2019 14:25

Instrument :
MSVOA_X
ClientSampleId :
VX0216WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.1	43.9	65.9
57	18.4	14.9	22.3

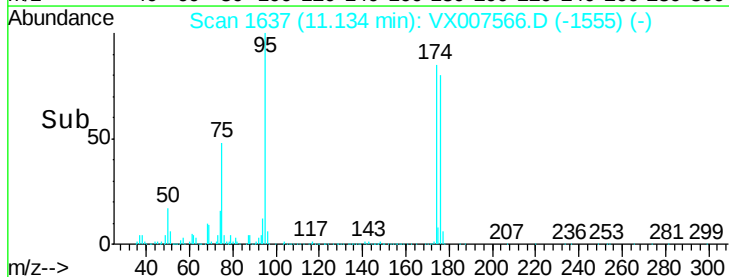
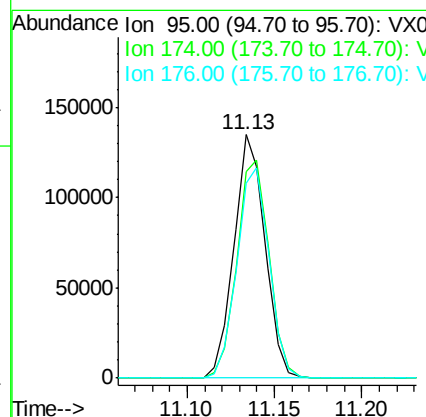
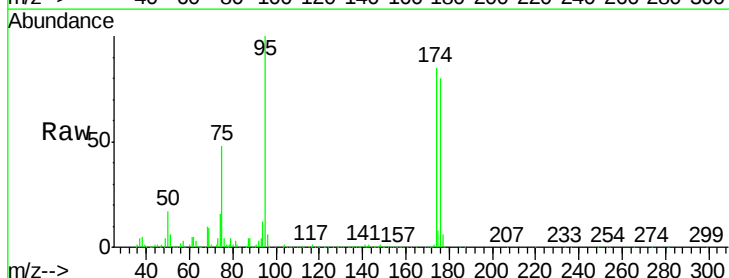
Manual Integrations
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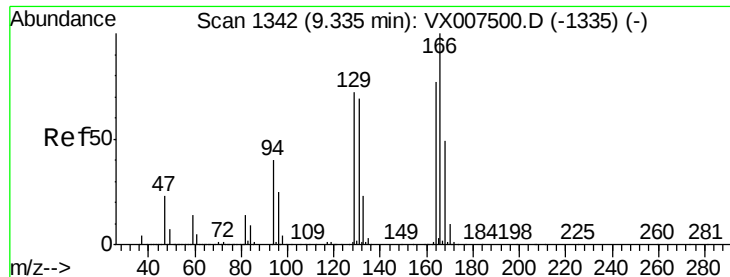
MMDadoda
2/18/2019 10:40:33 AM



#60
4-Bromofluorobenzene
Concen: 30.191 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007566.D
Acq: 15 Feb 2019 14:25

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.7	74.9	112.3
176	89.4	70.7	106.1





#61

Tetrachloroethene

Concen: 20.105 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX007566.D

Acq: 15 Feb 2019 14:25

Instrument :

MSVOA_X

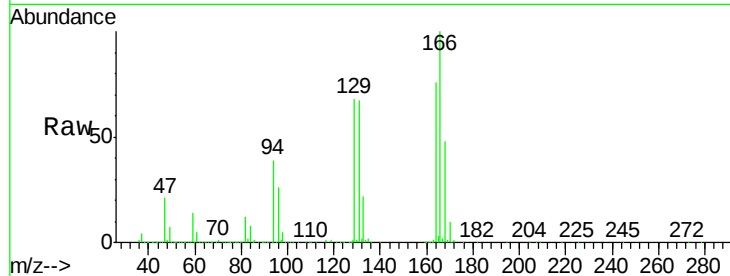
ClientSampleId :

VX0216WBSD01

Tot Ion:	164	Resp:	102430
Ion Ratio	Lower	Upper	
164	100		
166	130.6	103.9	155.9
129	88.3	74.7	112.1
131	87.0	71.7	107.5

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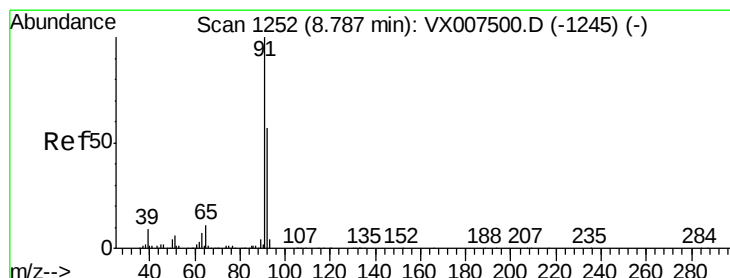
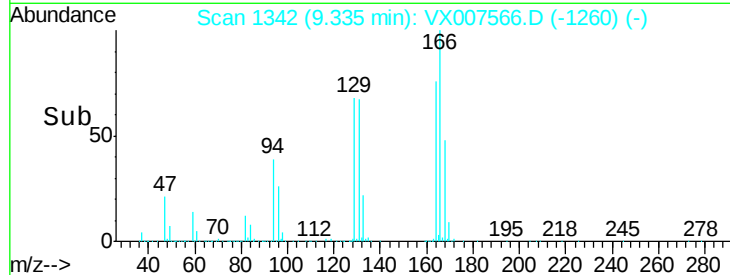
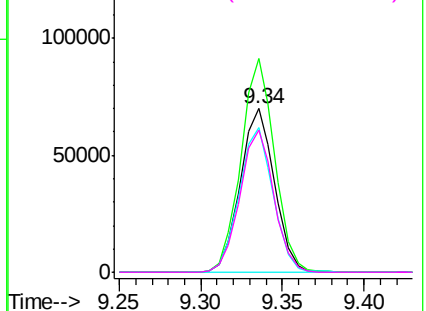


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.713 ug/l

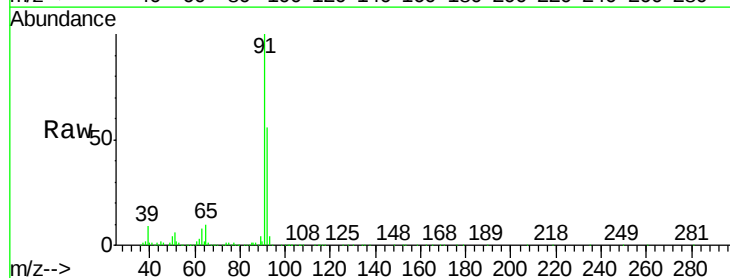
RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX007566.D

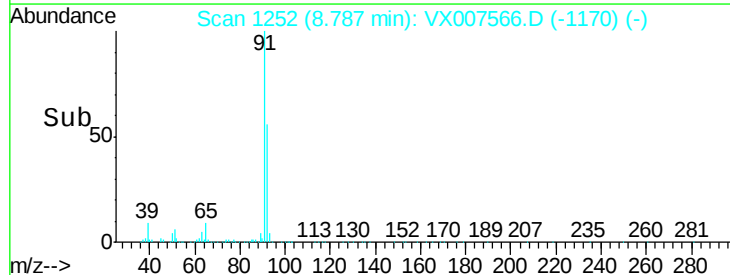
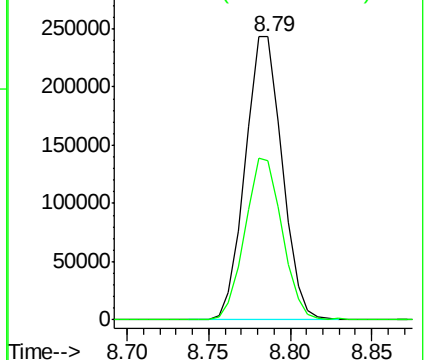
Acq: 15 Feb 2019 14:25

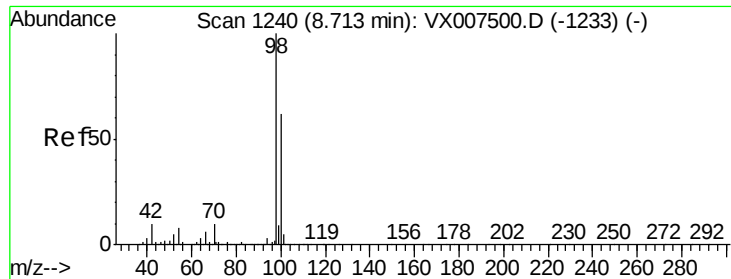
Tgt Ion:	91	Resp:	385304
Ion Ratio	Lower	Upper	
91	100		
92	57.3	46.4	69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 29.719 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007566.D

Acq: 15 Feb 2019 14:25

Instrument :

MSVOA_X

ClientSampleId :

VX0216WBSD01

Tot Ion: 98 Resp: 482072

Ion Ratio Lower Upper

98 100

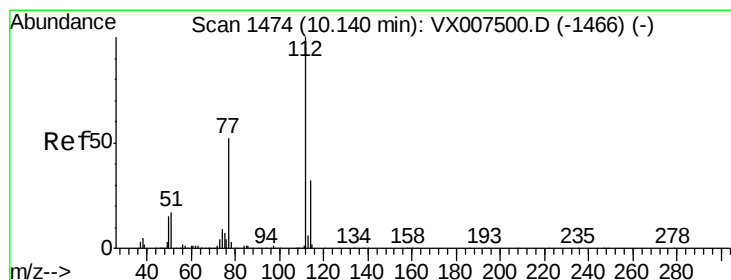
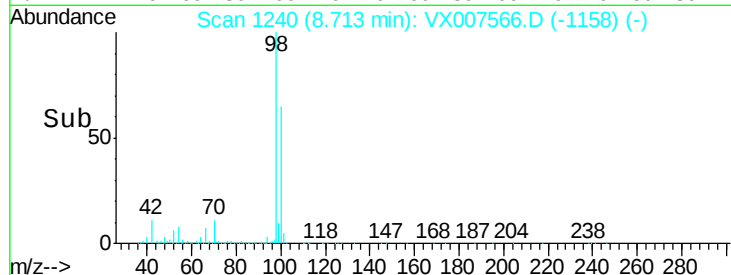
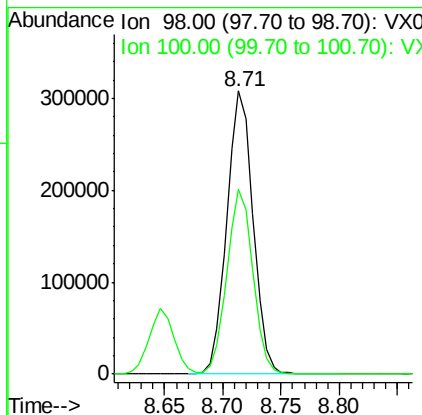
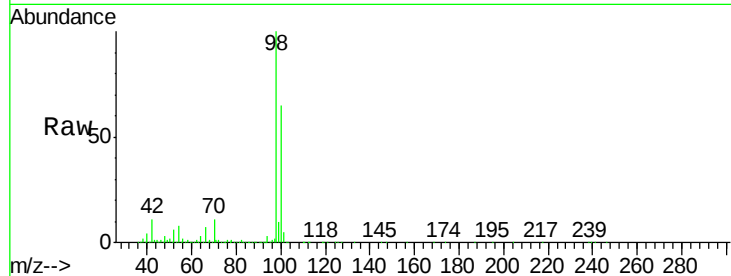
100 64.2 50.9 76.3

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#64

Chlorobenzene

Concen: 19.544 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX007566.D

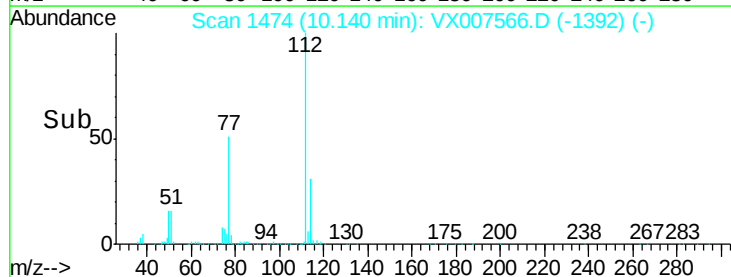
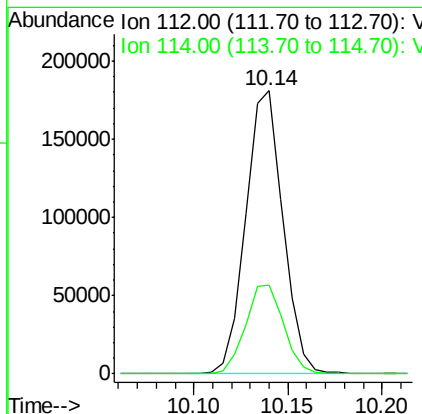
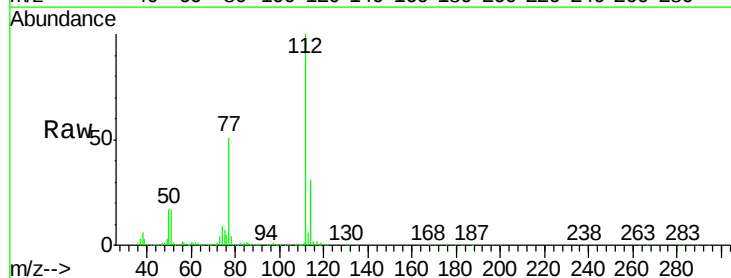
Acq: 15 Feb 2019 14:25

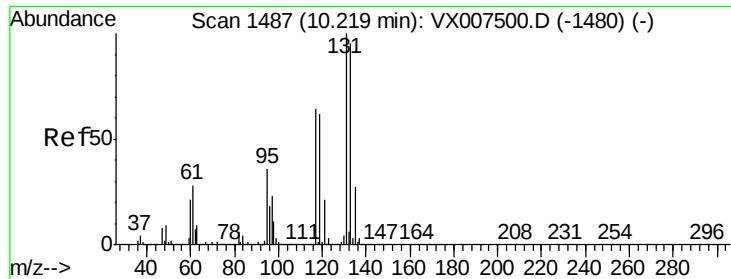
Tgt Ion: 112 Resp: 248240

Ion Ratio Lower Upper

112 100

114 31.3 25.4 38.2





#65

1,1,1,2-Tetrachloroethane

Concen: 19.341 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX007566.D

Acq: 15 Feb 2019 14:25

Instrument :

MSVOA_X

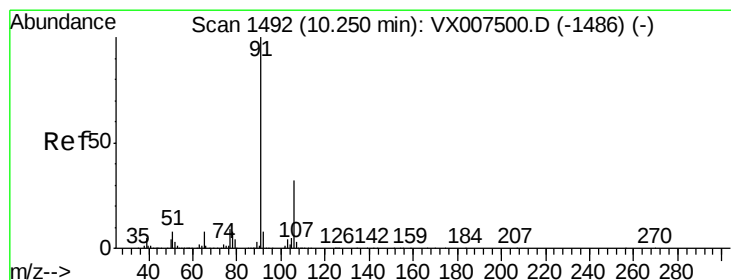
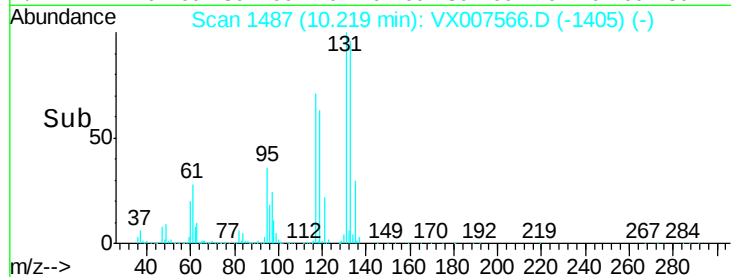
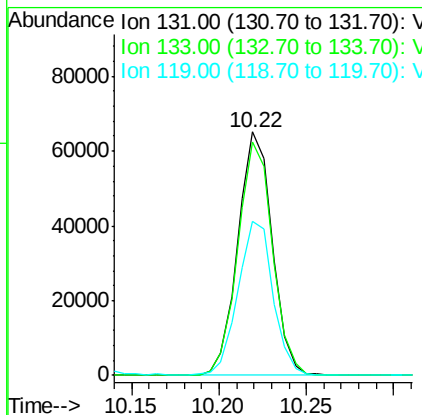
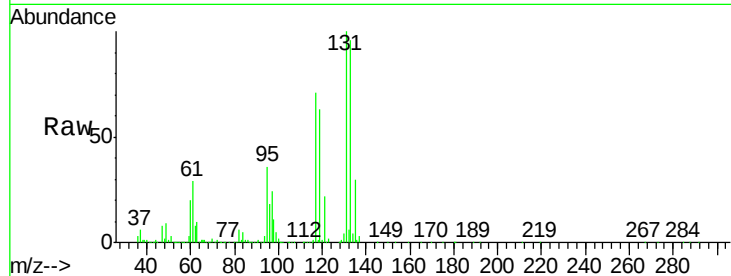
ClientSampleId :

VX0216WBSD01

Tot Ion:	131	Resp:	88979
Ion	Ratio	Lower	Upper
131	100		
133	96.7	0.0	191.6
119	64.8	0.0	127.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 19.429 ug/l

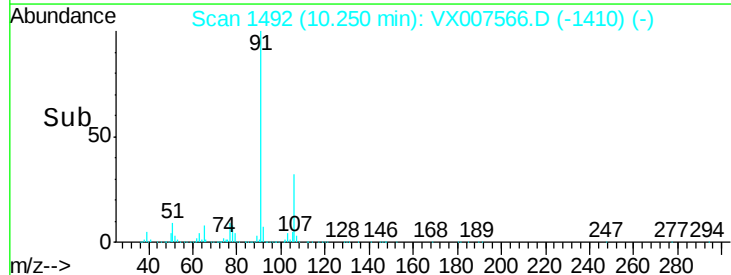
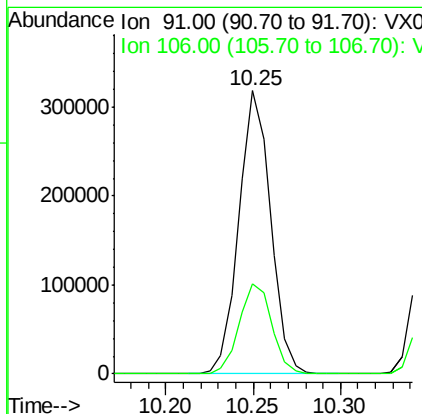
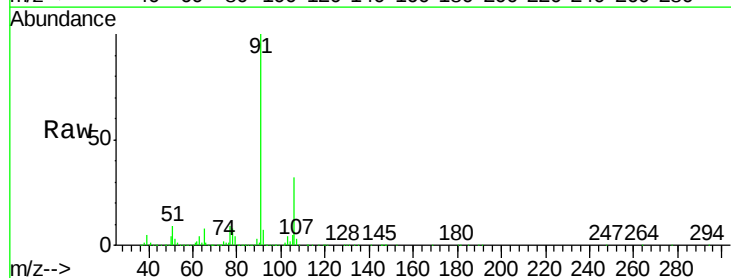
RT: 10.25 min Scan# 1492

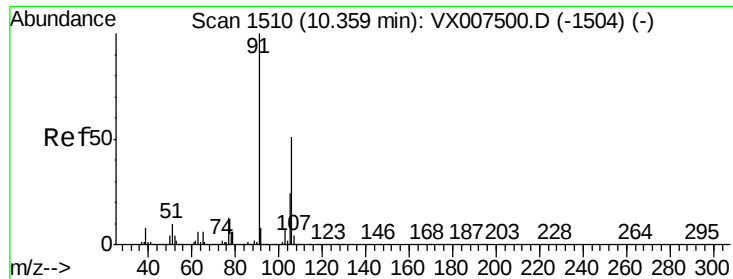
Delta R.T. -0.00 min

Lab File: VX007566.D

Acq: 15 Feb 2019 14:25

Tgt Ion:	91	Resp:	402968
Ion	Ratio	Lower	Upper
91	100		
106	31.8	26.0	39.0





#67

m/p-Xylenes

Concen: 39.317 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007566.D

Acq: 15 Feb 2019 14:25

Instrument :

MSVOA_X

ClientSampleId :

VX0216WBSD01

Tot Ion:106 Resp: 319849

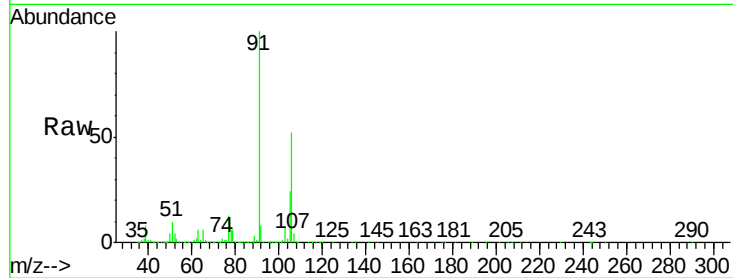
Ion Ratio Lower Upper

106 100

91 193.8 157.0 235.4

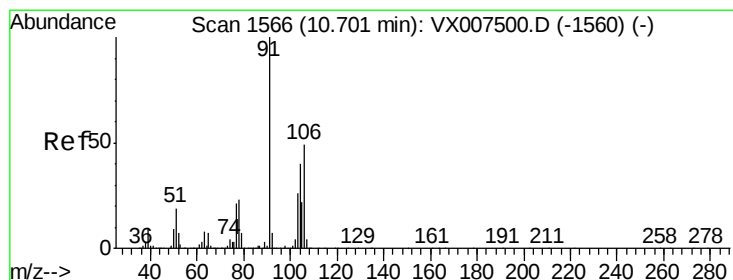
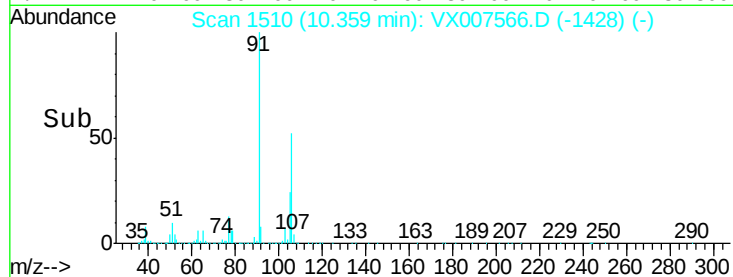
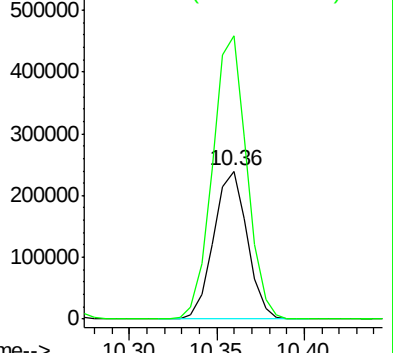
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 19.618 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VX007566.D

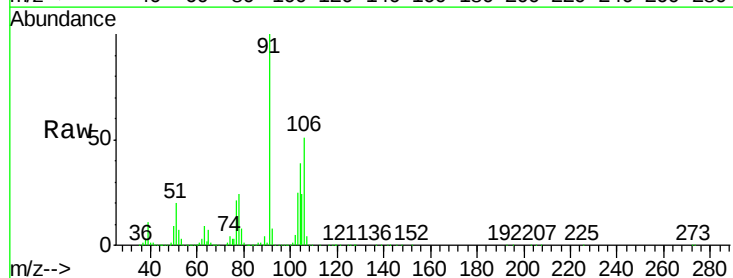
Acq: 15 Feb 2019 14:25

Tgt Ion:106 Resp: 155657

Ion Ratio Lower Upper

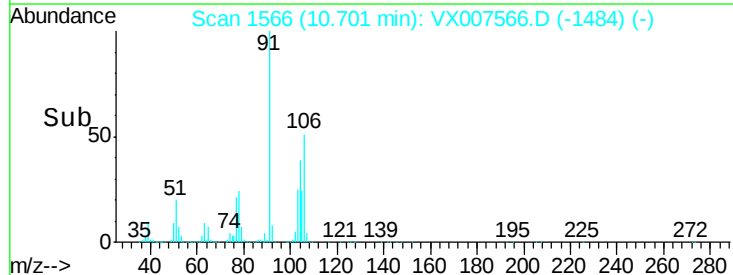
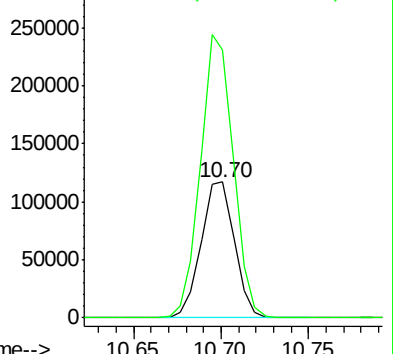
106 100

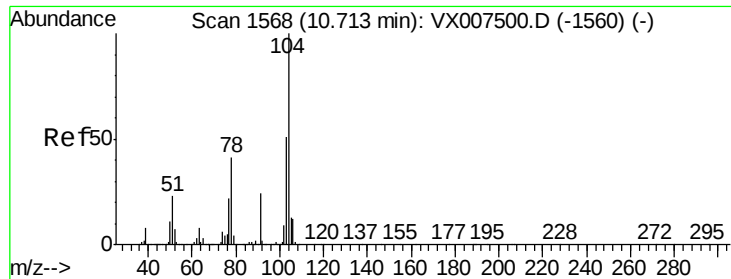
91 204.0 104.4 313.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





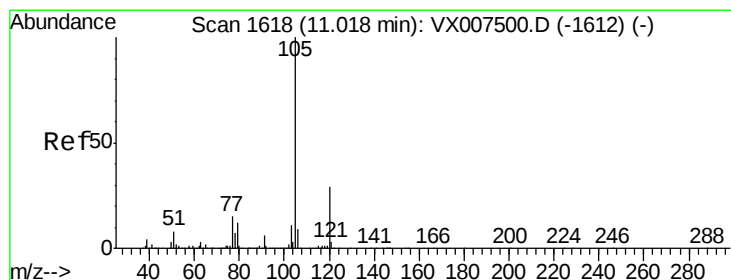
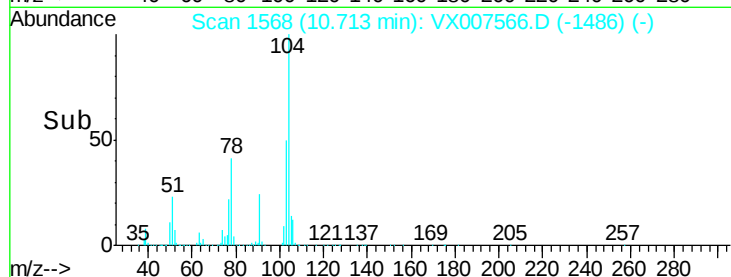
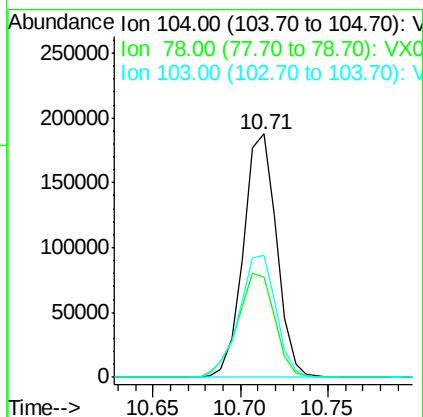
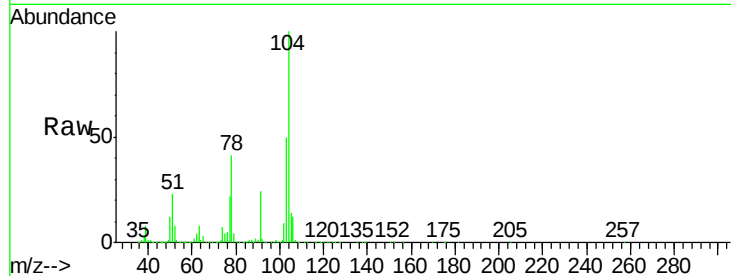
#69
Stvrene
Concen: 19.396 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007566.D
Acq: 15 Feb 2019 14:25

Instrument :
MSVOA_X
ClientSampleId :
VX0216WBSD01

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.8	38.2	57.2
103	55.7	45.0	67.4

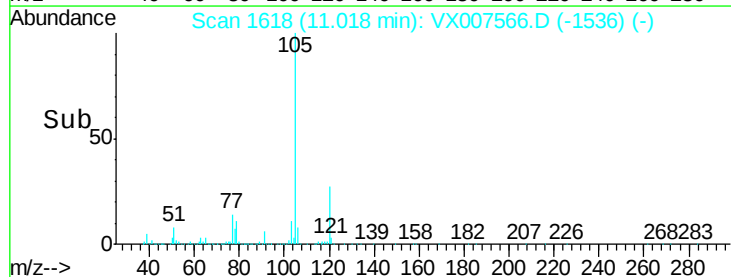
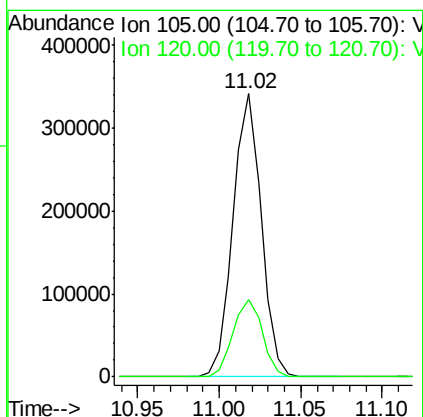
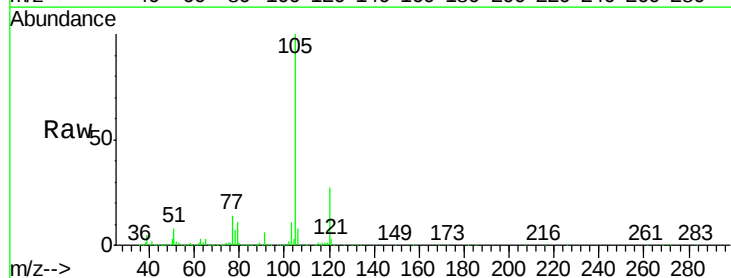
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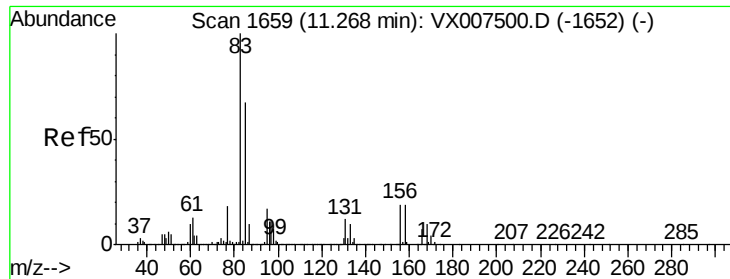
MMDadoda
2/18/2019 10:40:33 AM



#70
Isopropylbenzene
Concen: 19.652 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX007566.D
Acq: 15 Feb 2019 14:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.3	19.8	36.8





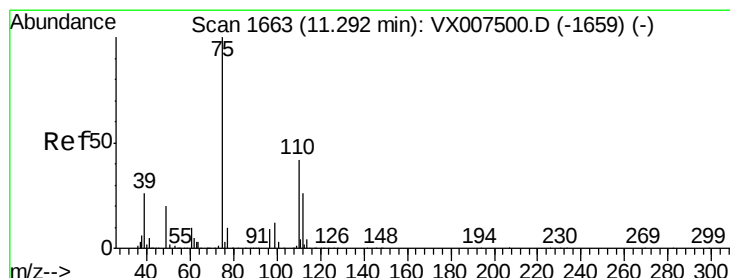
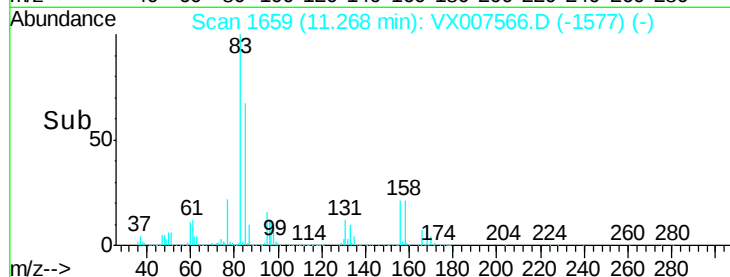
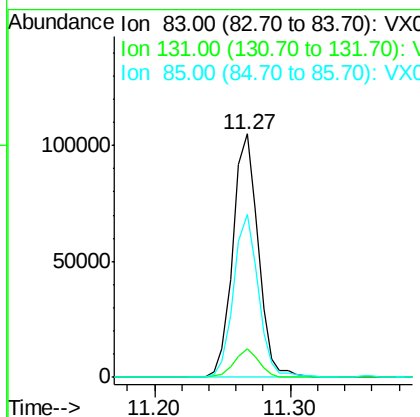
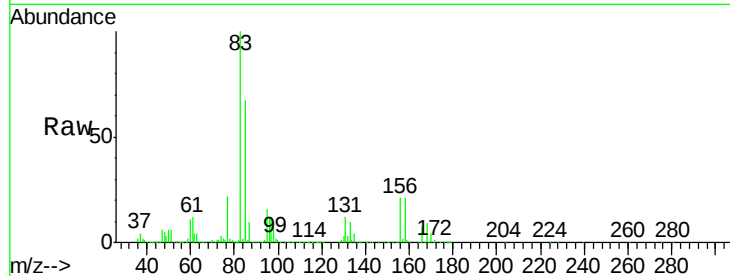
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.761 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VX007566.D
 Acq: 15 Feb 2019 14:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0216WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	136738		
131	11.4	5.4	16.2	
85	64.3	32.8	98.4	

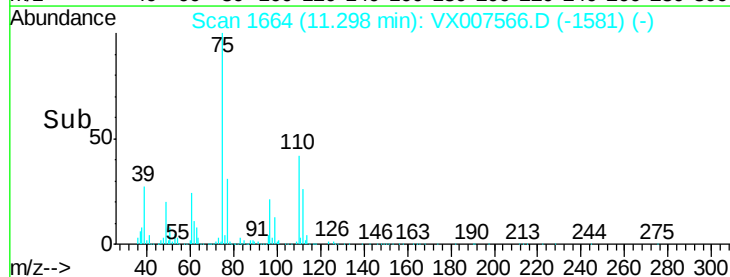
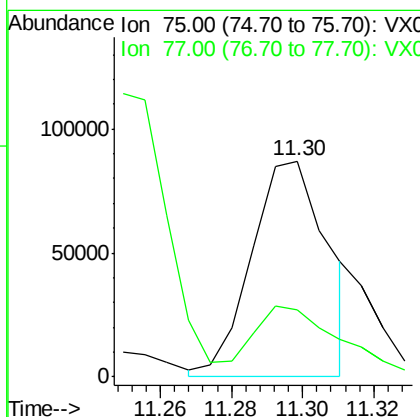
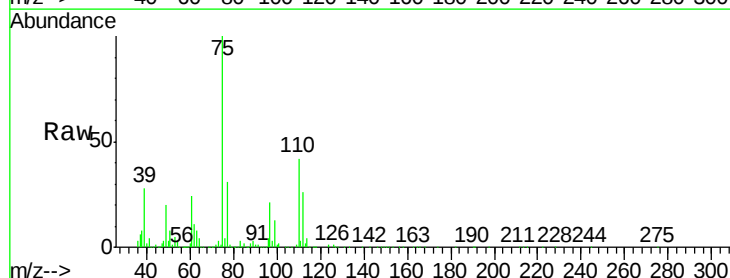
Manual Integrations
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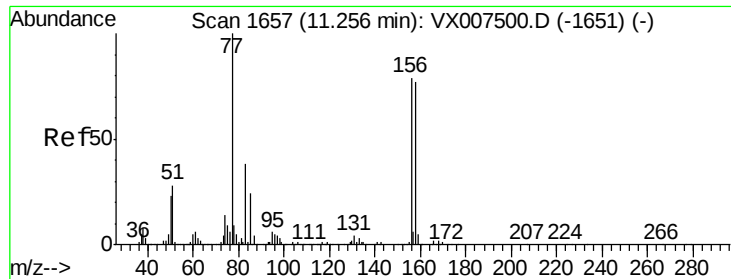
MMDadoda
 2/18/2019 10:40:33 AM



#72
 1,2,3-Trichloropropane
 Concen: 20.558 ug/l m
 RT: 11.30 min Scan# 1664
 Delta R.T. 0.01 min
 Lab File: VX007566.D
 Acq: 15 Feb 2019 14:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	130064		
77	38.4	0.0	76.4	





#73

Bromobenzene

Concen: 19.156 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007566.D

Acq: 15 Feb 2019 14:25

Instrument :

MSVOA_X

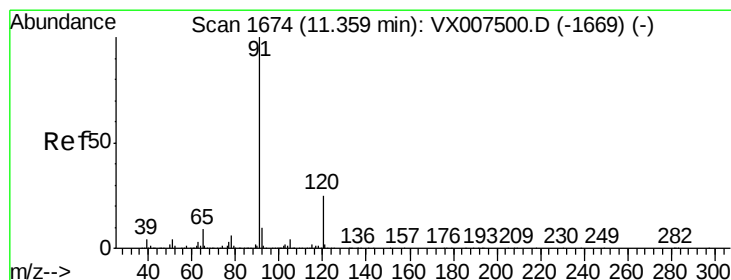
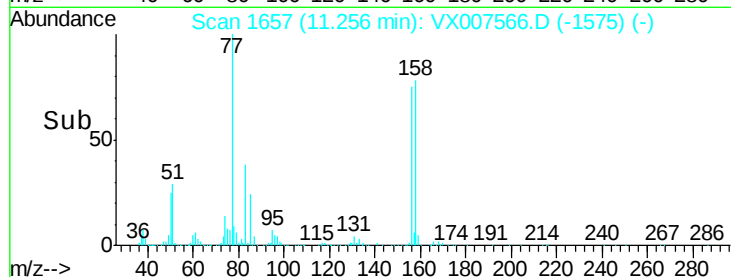
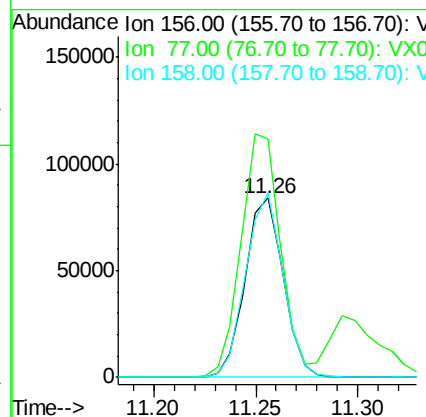
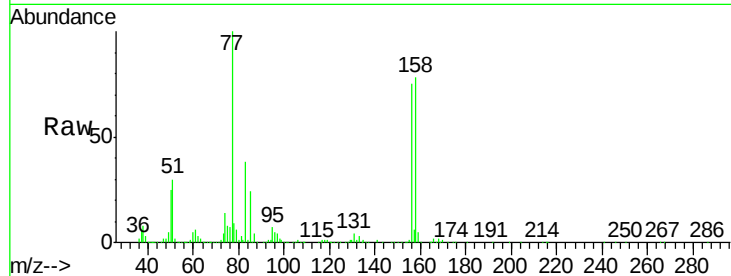
ClientSampleId :

VX0216WBSD01

Tot Ion:	156	Resp:	109472
Ion Ratio	Lower	Upper	
156	100		
77	139.4	0.0	271.4
158	100.6	0.0	194.0

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#74

n-propylbenzene

Concen: 19.676 ug/l

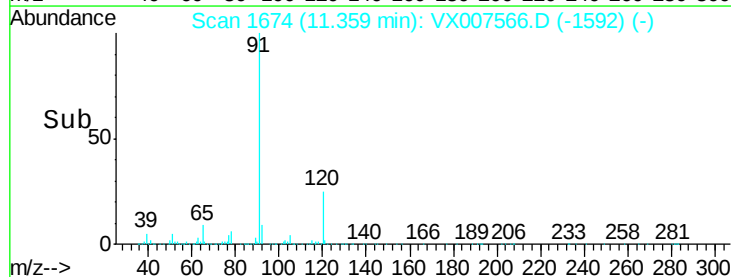
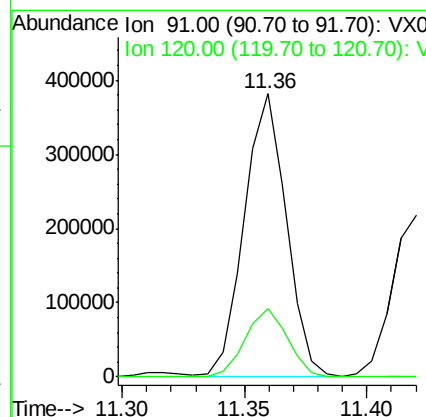
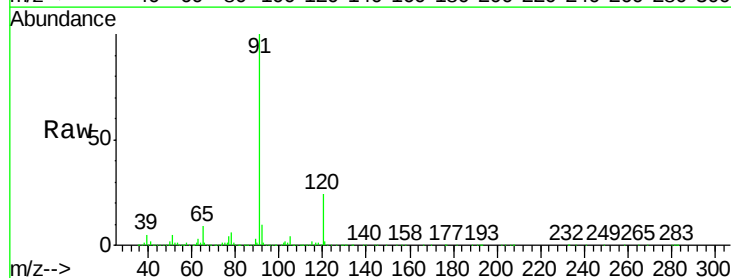
RT: 11.36 min Scan# 1674

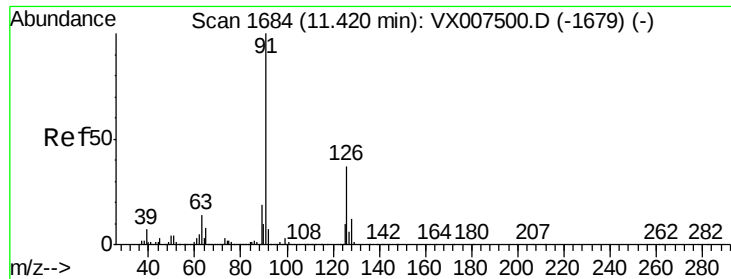
Delta R.T. 0.00 min

Lab File: VX007566.D

Acq: 15 Feb 2019 14:25

Tgt Ion:	91	Resp:	457309
Ion Ratio	Lower	Upper	
91	100		
120	24.4	0.0	48.6





#75

2-Chlorotoluene

Concen: 19.670 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007566.D

Acq: 15 Feb 2019 14:25

Instrument :

MSVOA_X

ClientSampleId :

VX0216WBSD01

Tot Ion: 91 Resp: 273347

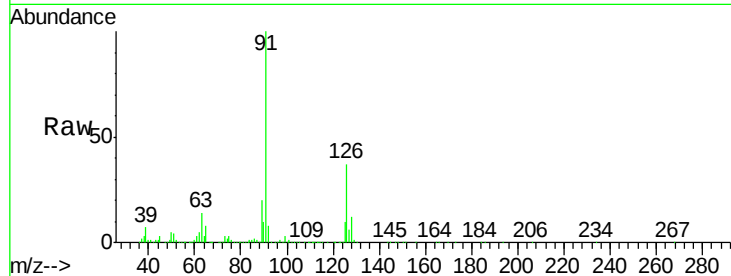
Ion Ratio Lower Upper

91 100

126 36.8 0.0 75.2

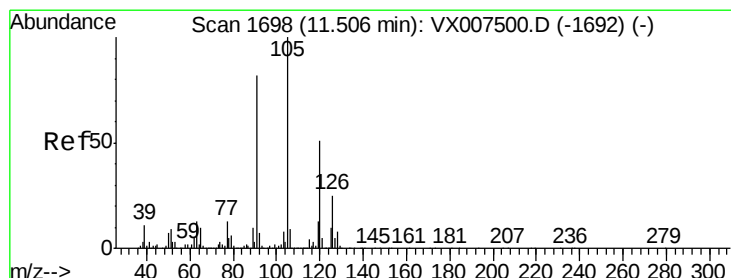
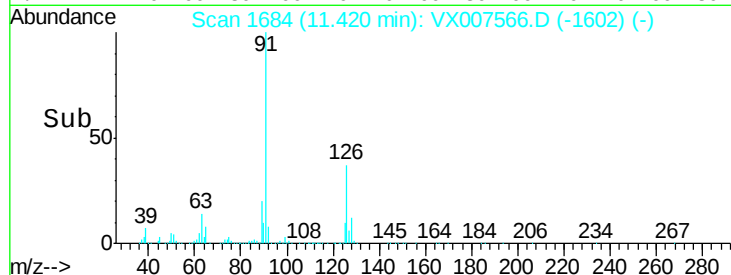
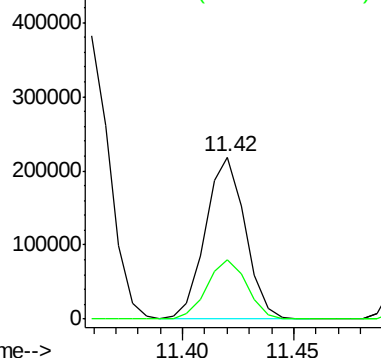
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 19.654 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007566.D

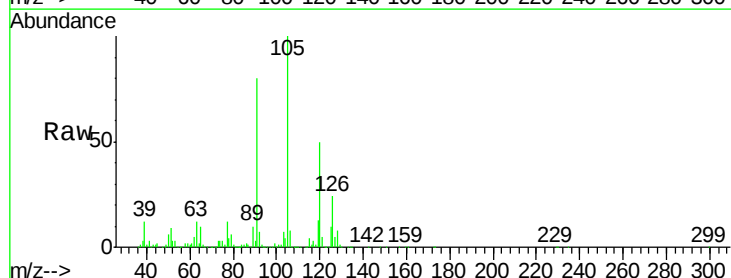
Acq: 15 Feb 2019 14:25

Tgt Ion: 105 Resp: 335816

Ion Ratio Lower Upper

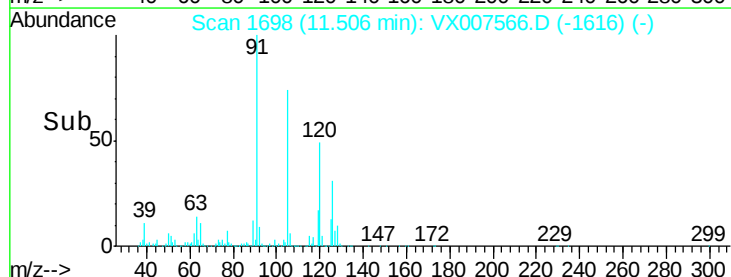
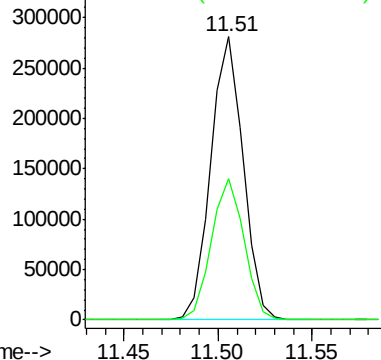
105 100

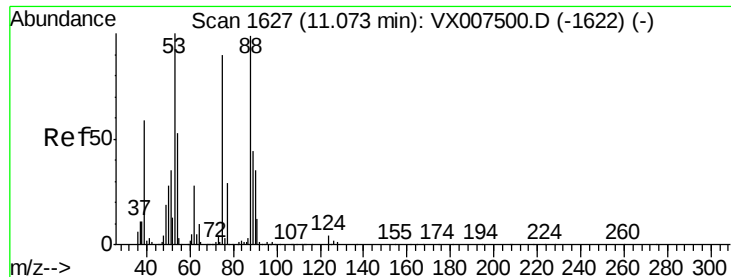
120 50.0 0.0 101.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#77

t-1,4-Dichloro-2-butene

Concen: 19.117 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007566.D

Acq: 15 Feb 2019 14:25

Instrument :

MSVOA_X

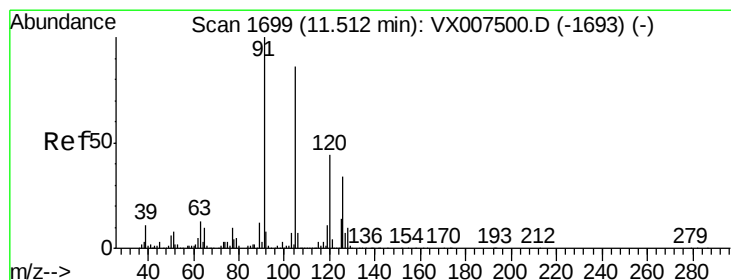
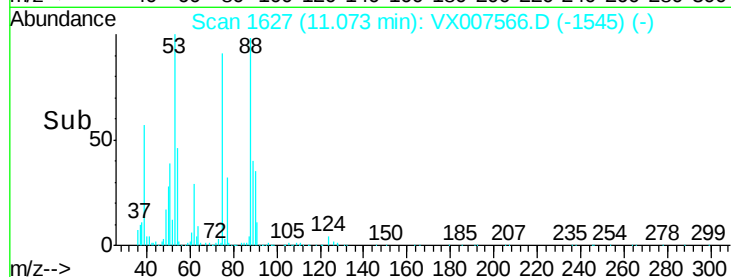
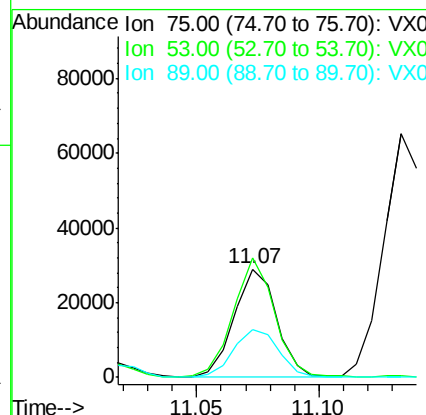
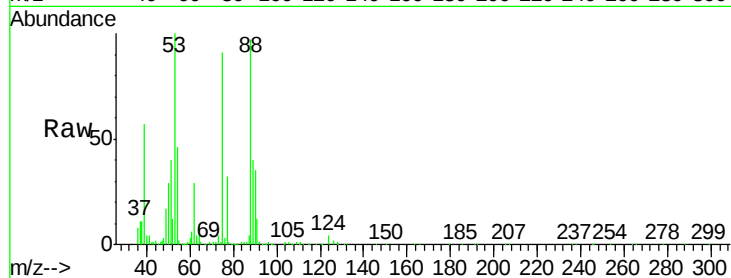
ClientSampleId :

VX0216WBSD01

Tot Ion:	75	Resp:	34912
Ion Ratio	Lower	Upper	
75	100		
53	109.3	55.5	166.7
89	44.2	24.4	73.2

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#78

4-Chlorotoluene

Concen: 19.389 ug/l

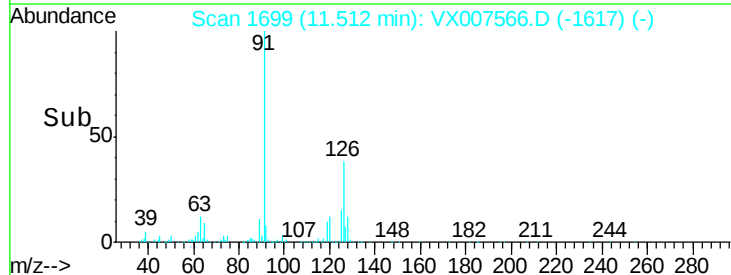
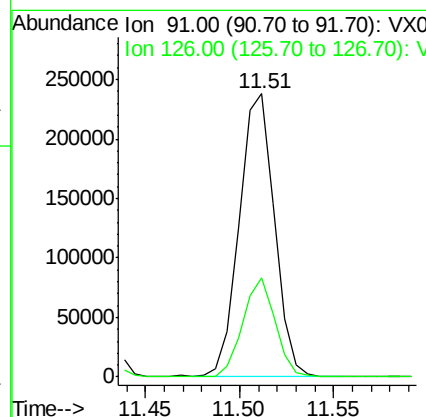
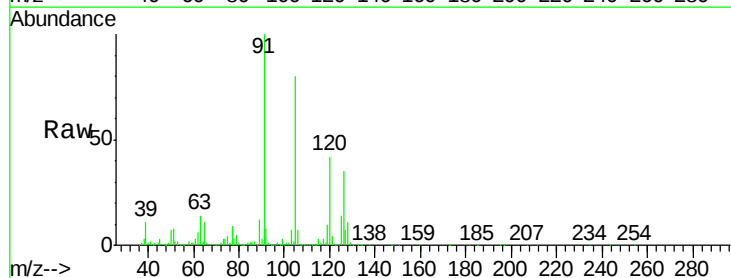
RT: 11.51 min Scan# 1699

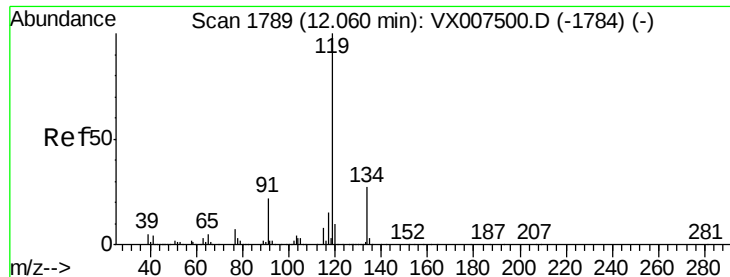
Delta R.T. 0.00 min

Lab File: VX007566.D

Acq: 15 Feb 2019 14:25

Tgt Ion:	91	Resp:	307549
Ion Ratio	Lower	Upper	
91	100		
126	32.4	0.0	66.2





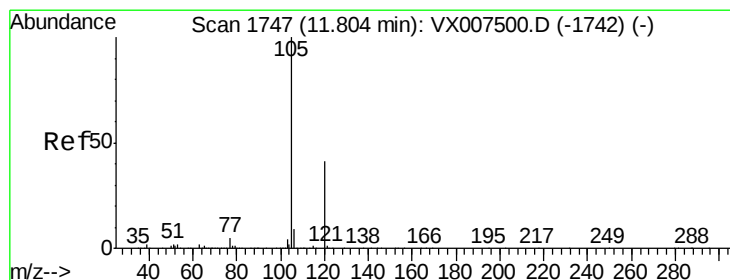
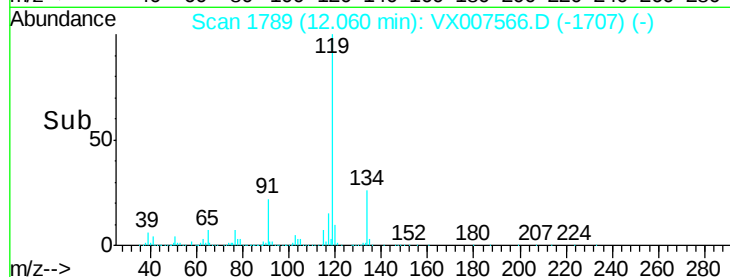
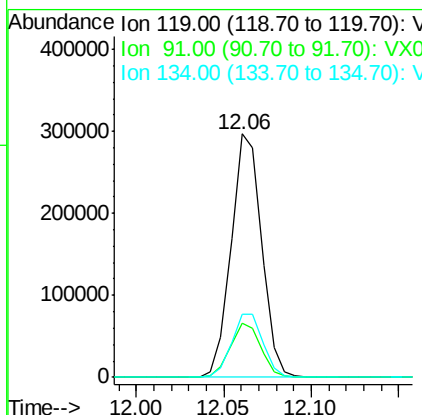
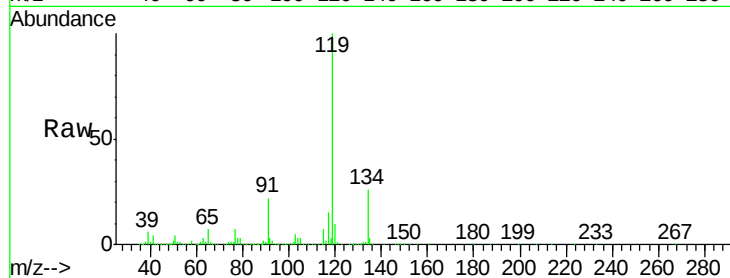
#79
tert-butylbenzene
Concen: 19.884 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX007566.D
Acq: 15 Feb 2019 14:25

Instrument :
MSVOA_X
ClientSampleId :
VX0216WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	360762		
91	22.1	0.0	45.0	
134	26.8	0.0	55.4	

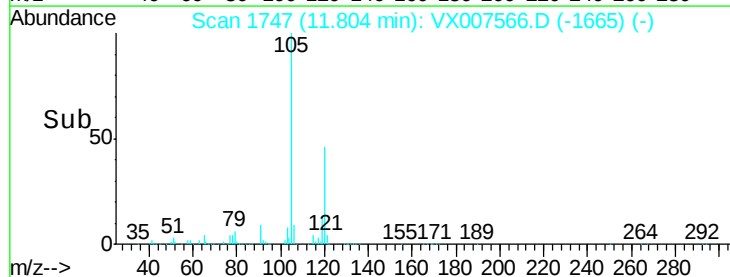
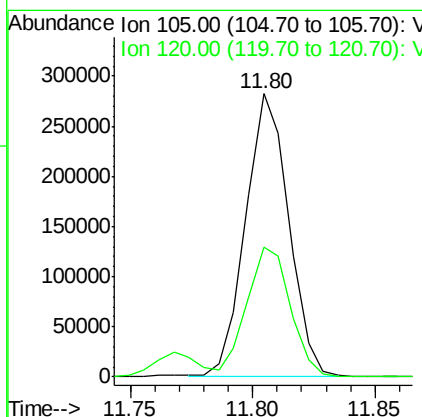
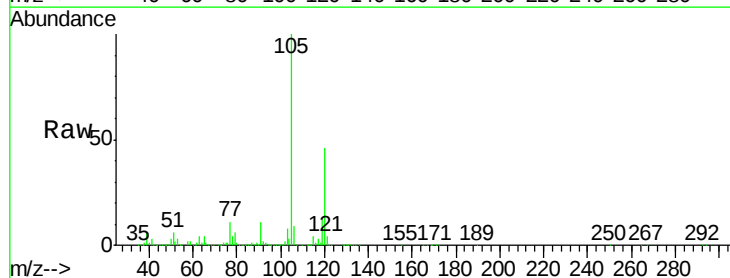
Manual Integrations
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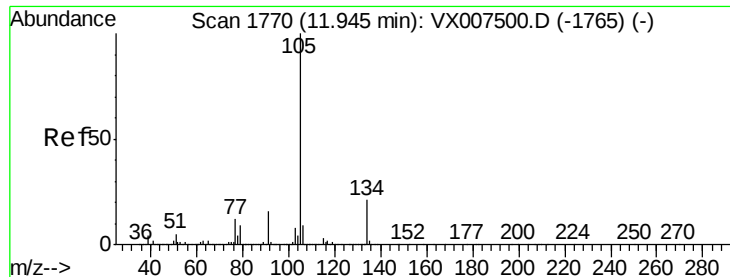
MMDadoda
2/18/2019 10:40:33 AM



#80
1,2,4-Trimethylbenzene
Concen: 19.897 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX007566.D
Acq: 15 Feb 2019 14:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	345113		
120	46.0	0.0	94.0	





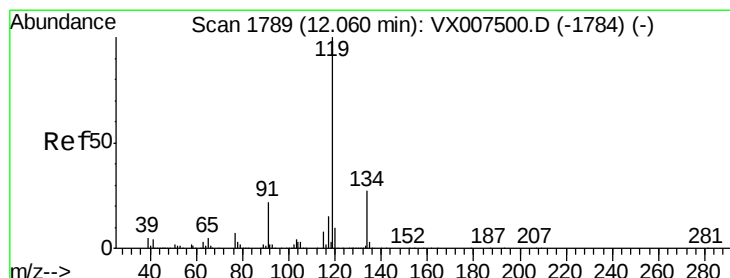
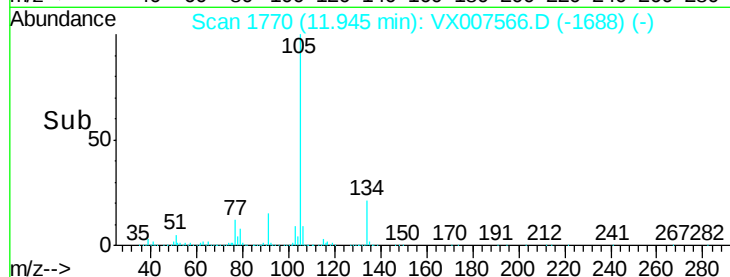
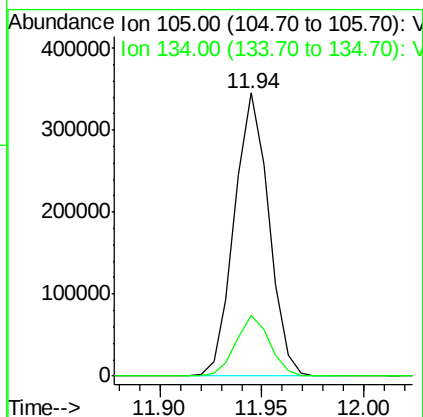
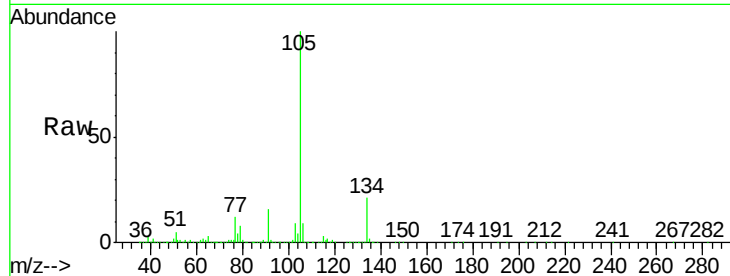
#81
 sec-Butylbenzene
 Concen: 19.784 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX007566.D
 Acq: 15 Feb 2019 14:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0216WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	403696		
134	21.1	0.0	41.8	

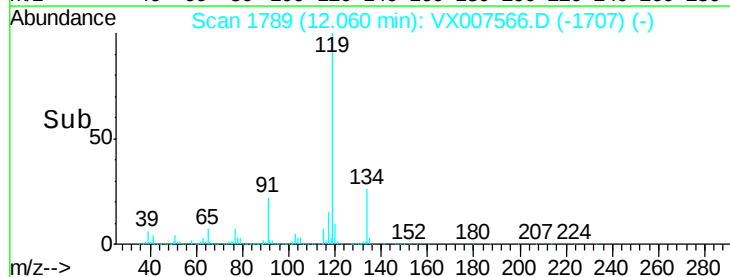
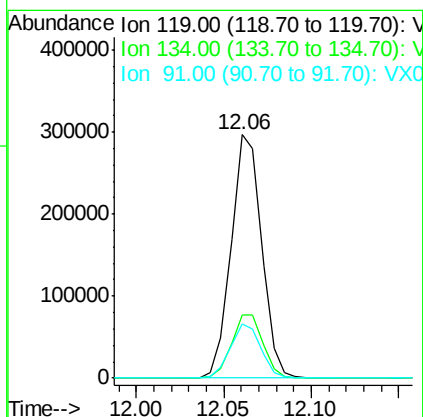
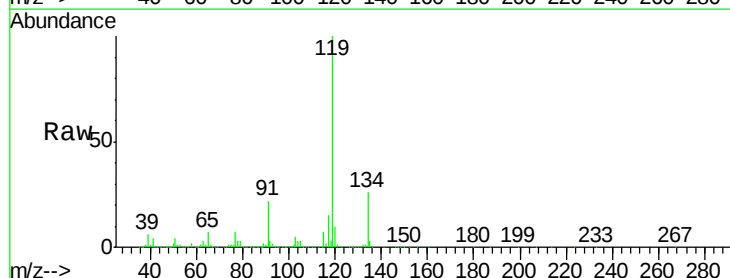
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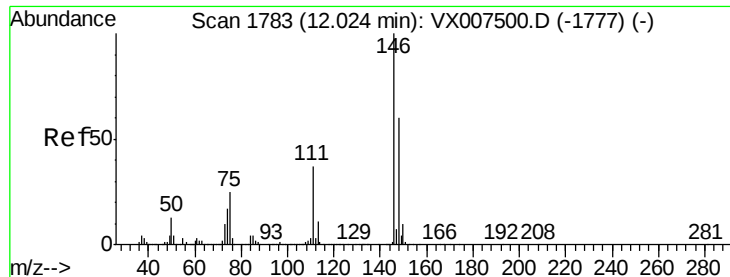
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#82
 p-Isopropyltoluene
 Concen: 19.884 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX007566.D
 Acq: 15 Feb 2019 14:25

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	360762		
134	26.8	0.0	55.4	
91	22.1	0.0	45.0	





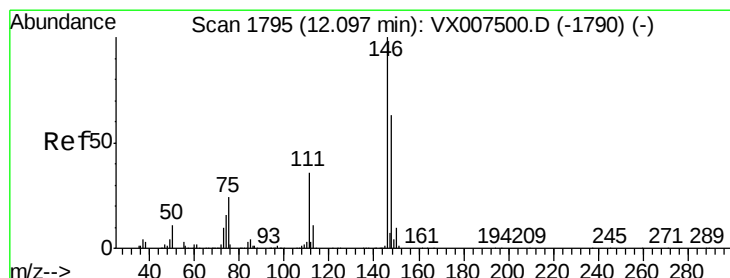
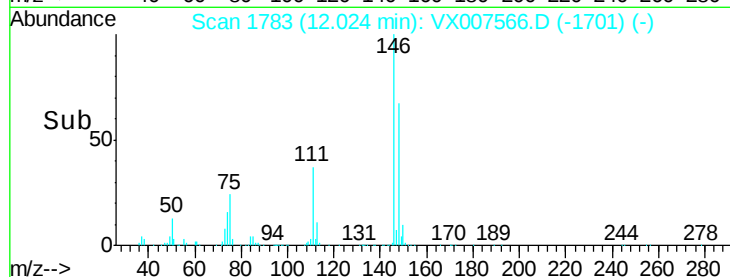
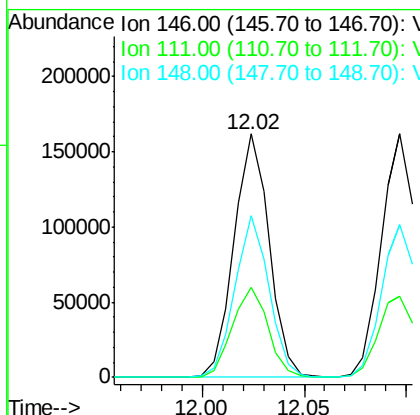
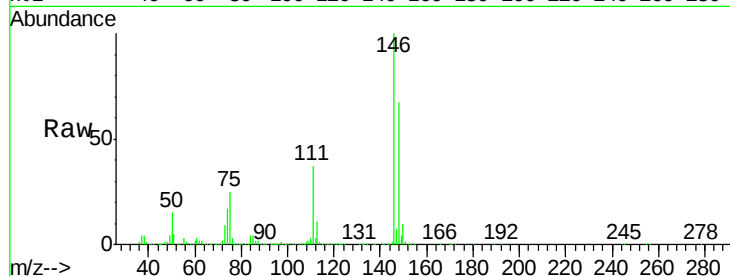
#83
 1,3-Dichlorobenzene
 Concen: 19.242 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007566.D
 Acq: 15 Feb 2019 14:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0216WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.8	56.3
148	64.7	30.6	91.8

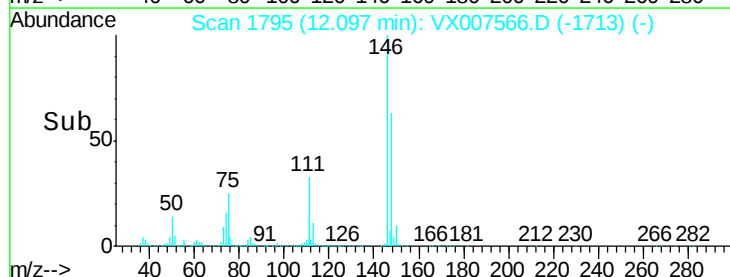
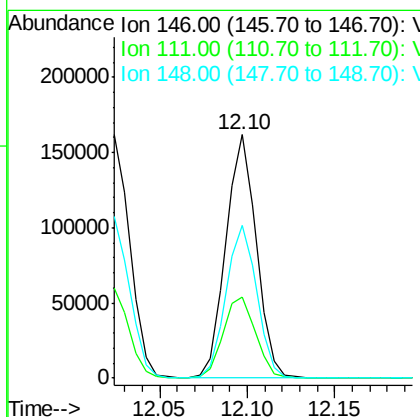
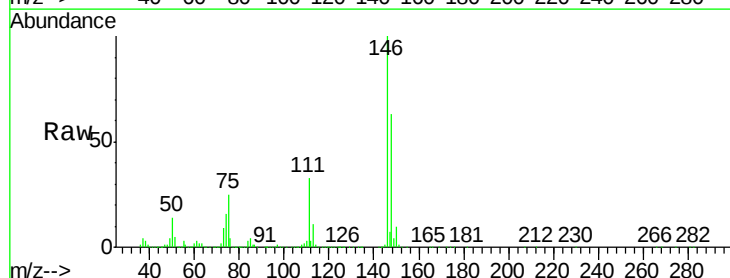
Manual Integrations
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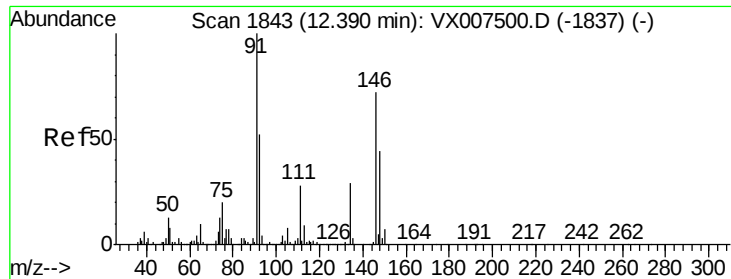
MMDadoda
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#84
 1,4-Dichlorobenzene
 Concen: 19.565 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX007566.D
 Acq: 15 Feb 2019 14:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.4	17.6	52.8
148	63.5	31.4	94.2





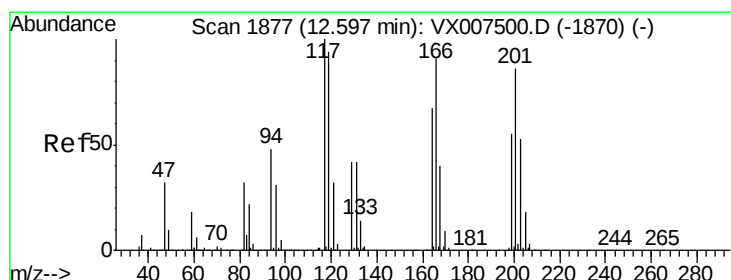
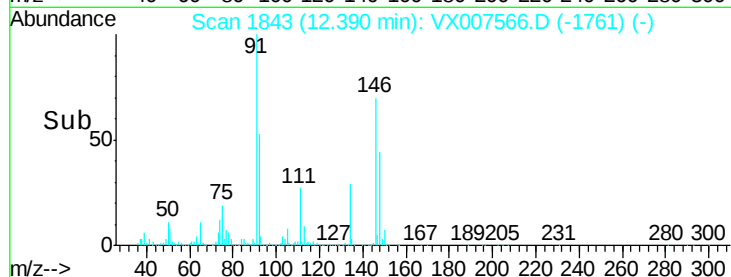
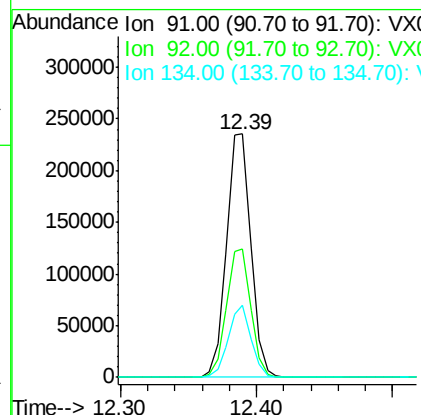
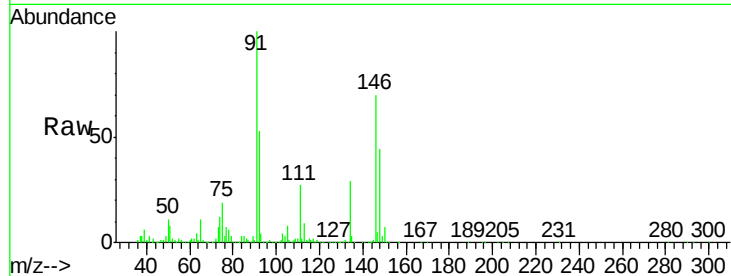
#85
n-Butylbenzene
Concen: 19.346 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX007566.D
Acq: 15 Feb 2019 14:25

Instrument :
MSVOA_X
ClientSampleId :
VX0216WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	291279		
92	52.6	0.0	105.2	
134	27.5	0.0	56.4	

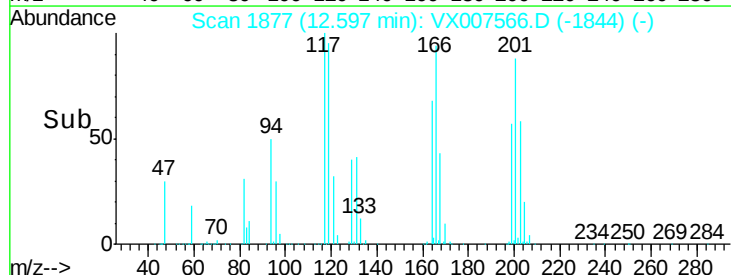
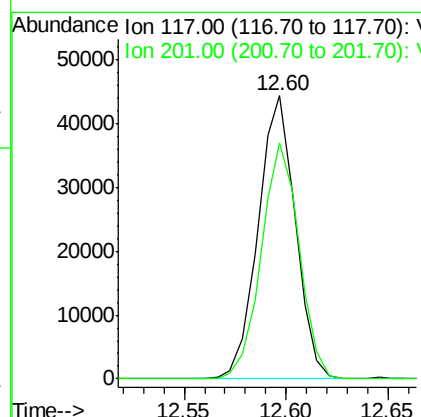
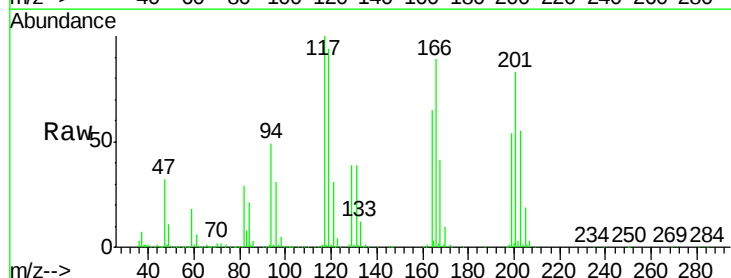
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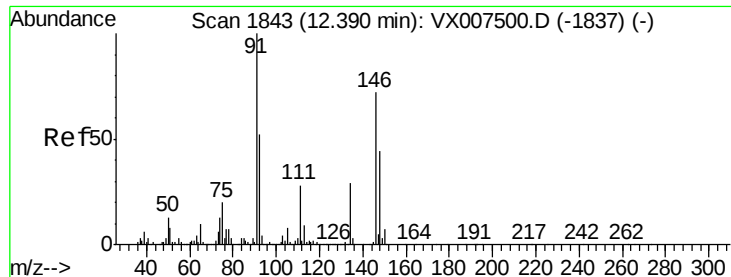
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#86
Hexachloroethane
Concen: 18.784 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007566.D
Acq: 15 Feb 2019 14:25

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	56582		
201	84.4	41.1	123.3	





#87

1,2-Dichlorobenzene

Concen: 19.416 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007566.D

Acq: 15 Feb 2019 14:25

Instrument :

MSVOA_X

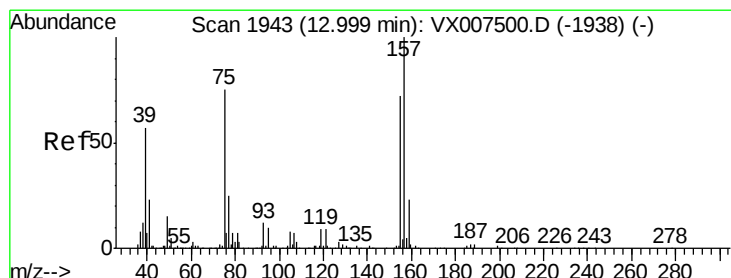
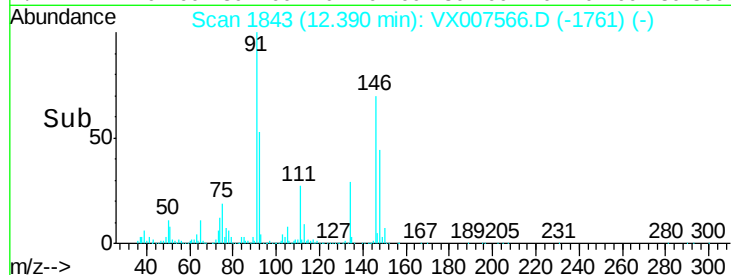
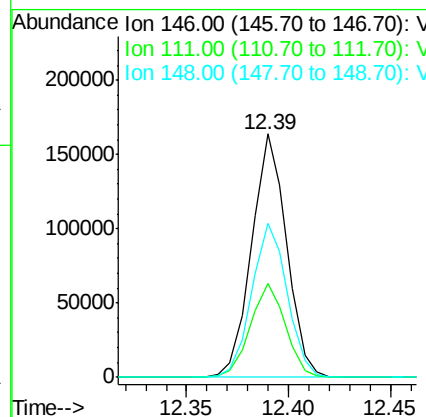
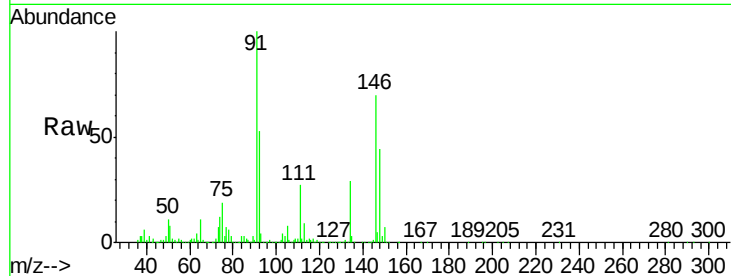
ClientSampleId :

VX0216WBSD01

Tot Ion:	146	Resp:	195789
Ion Ratio	Lower	Upper	
146	100		
111	39.1	19.3	57.8
148	64.2	32.1	96.3

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#88

1,2-Dibromo-3-Chloropropane

Concen: 18.992 ug/l

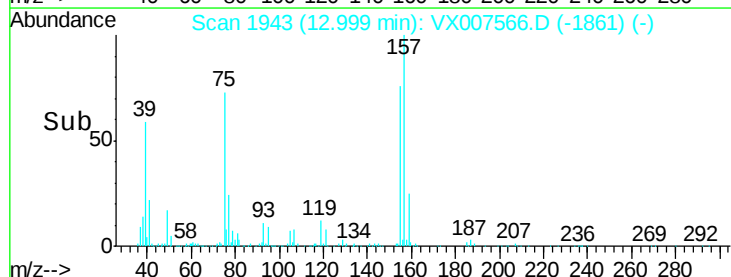
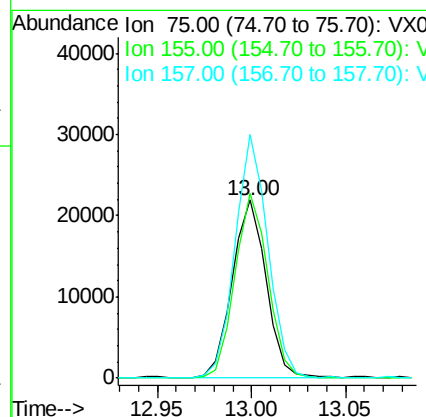
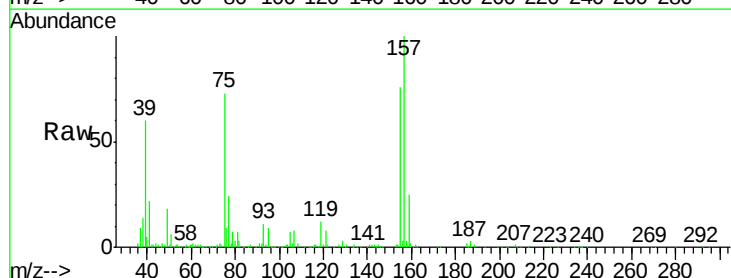
RT: 13.00 min Scan# 1943

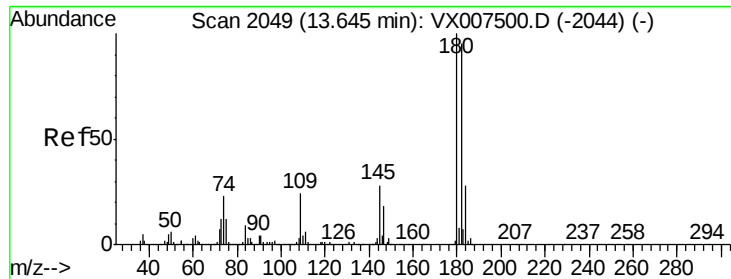
Delta R.T. 0.00 min

Lab File: VX007566.D

Acq: 15 Feb 2019 14:25

Tgt Ion:	75	Resp:	27425
Ion Ratio	Lower	Upper	
75	100		
155	100.5	81.0	121.6
157	132.1	103.2	154.8





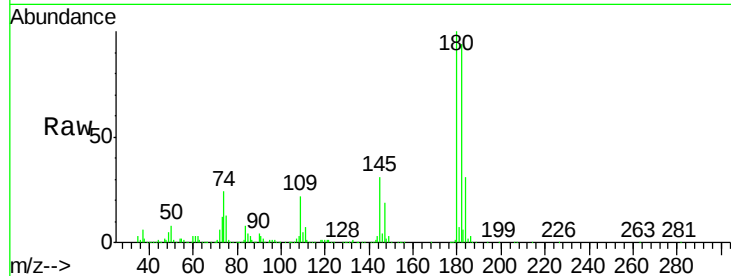
#89
 1,2,4-Trichlorobenzene
 Concen: 19.215 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX007566.D
 Acq: 15 Feb 2019 14:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0216WBSD01

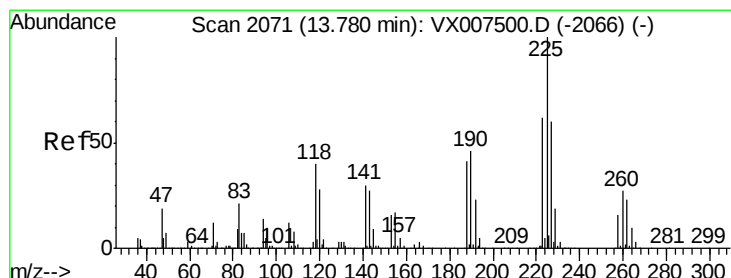
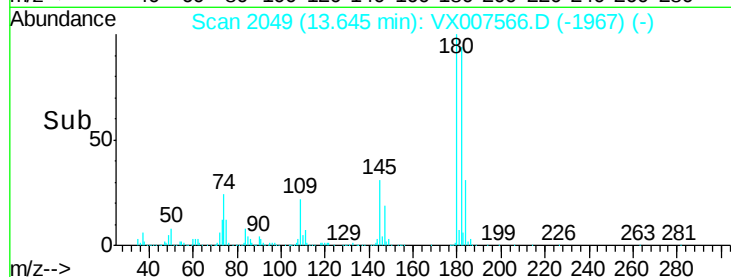
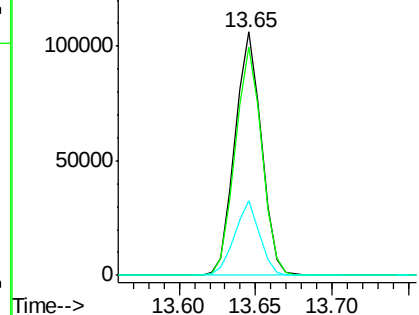
Tot Ion	Ratio	Resp	Lower	Upper
180	100	127255		
182	94.4	75.6	113.4	
145	29.2	23.0	34.6	

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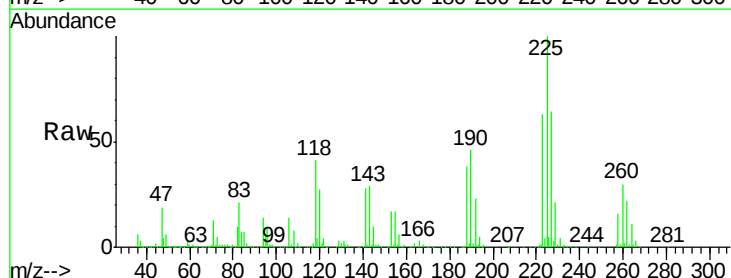


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

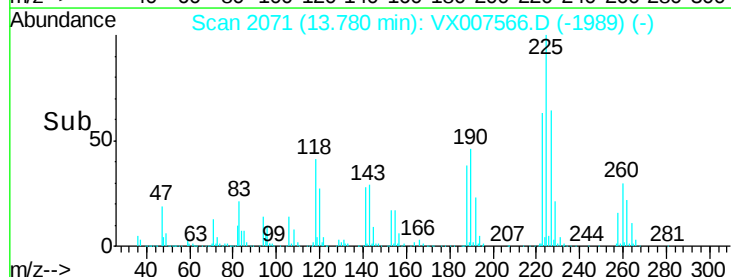
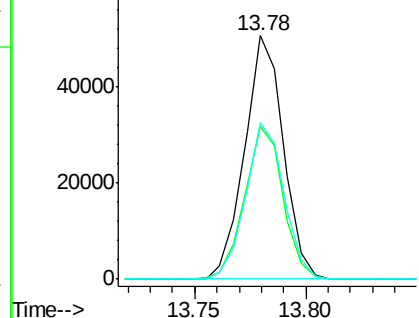


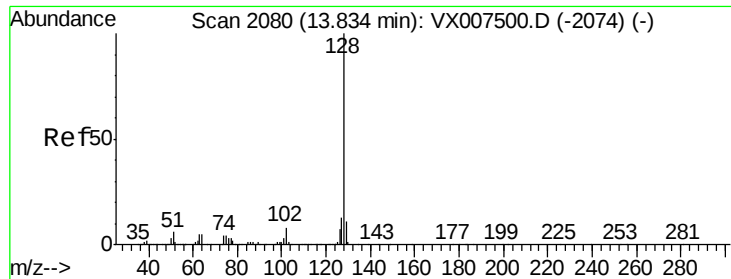
#90
 Hexachlorobutadiene
 Concen: 19.954 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007566.D
 Acq: 15 Feb 2019 14:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	61744		
223	61.9	0.0	123.8	
227	63.4	0.0	124.4	



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





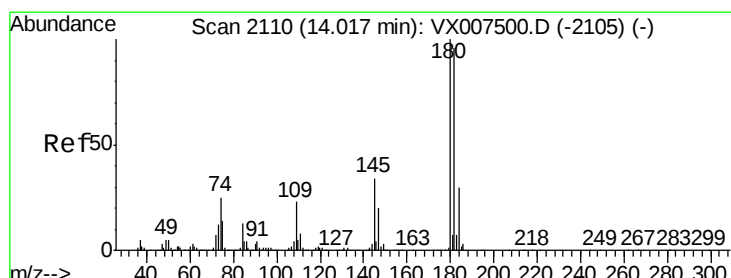
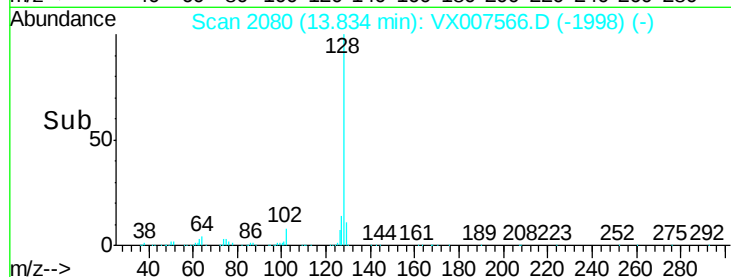
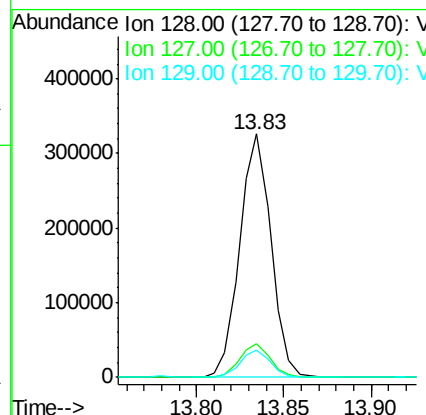
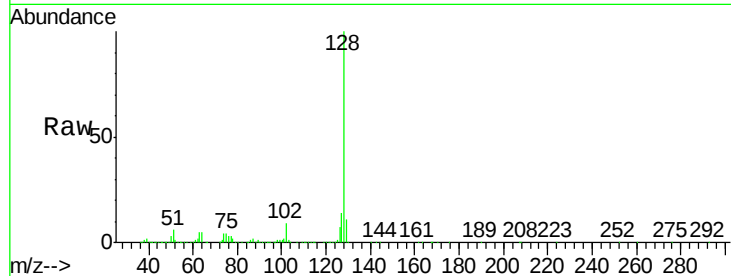
#91
Naphthalene
Concen: 19.203 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX007566.D
Acq: 15 Feb 2019 14:25

Instrument :
MSVOA_X
ClientSampleId :
VX0216WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.5	15.7
129	11.0	8.9	13.3

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#92
1,2,3-Trichlorobenzene
Concen: 19.166 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX007566.D
Acq: 15 Feb 2019 14:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	0.0	193.0
145	31.2	0.0	63.0

