

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052819\
 Data File : VX009913.D
 Acq On : 28 May 2019 14:36
 Operator : JC/SP
 Sample : VX0528WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0528WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/29/2019 9:25:13 AM

Quant Time: May 29 04:28:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	175261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	275520	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	249652	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	122886	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	117479	47.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.90%	
35) Dibromofluoromethane	5.49	113	84044	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	
50) Toluene-d8	8.71	98	349619	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	
62) 4-Bromofluorobenzene	11.13	95	125887	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	48049	22.435	ug/l	99
3) Chloromethane	1.32	50	58559	20.339	ug/l	97
4) Vinyl Chloride	1.41	62	52156	20.095	ug/l	98
5) Bromomethane	1.64	94	31176	19.825	ug/l	99
6) Chloroethane	1.72	64	30836	19.300	ug/l	99
7) Trichlorofluoromethane	1.93	101	59048	20.588	ug/l	98
8) Diethyl Ether	2.19	74	25946	19.251	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	35662	20.595	ug/l	98
10) Methyl Iodide	2.51	142	34846	19.394	ug/l	99
11) Tert butyl alcohol	3.04	59	61003	100.125	ug/l	99
12) 1,1-Dichloroethene	2.37	96	35303	19.890	ug/l	98
13) Acrolein	2.29	56	38756	103.264	ug/l	97
14) Allyl chloride	2.73	41	84798	19.657	ug/l	99
15) Acrylonitrile	3.14	53	136727	93.137	ug/l	99
16) Acetone	2.44	43	134439	93.986	ug/l	99
17) Carbon Disulfide	2.57	76	106316	20.014	ug/l	99
18) Methyl Acetate	2.77	43	61558	18.495	ug/l	97
19) Methyl tert-butyl Ether	3.19	73	129758	19.364	ug/l	98
20) Methylene Chloride	2.85	84	42233	19.280	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	38134	19.309	ug/l	97
22) Diisopropyl ether	3.85	45	160626	19.569	ug/l	91
23) Vinyl Acetate	3.81	43	724365	98.236	ug/l	100
24) 1,1-Dichloroethane	3.70	63	77840	19.569	ug/l	100
25) 2-Butanone	4.67	43	211521	94.914	ug/l	99
26) 2,2-Dichloropropane	4.57	77	58852	19.558	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	42934	18.833	ug/l	100
28) Bromochloromethane	5.01	49	37290	18.065	ug/l	96
29) Tetrahydrofuran	5.13	42	134718	94.269	ug/l	99
30) Chloroform	5.21	83	70578	19.674	ug/l	96
31) Cyclohexane	5.57	56	77959	20.693	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	58444	20.004	ug/l	99
36) 1,1-Dichloropropene	5.79	75	54540	19.510	ug/l	99
37) Ethyl Acetate	4.83	43	77875	19.993	ug/l	100
38) Carbon Tetrachloride	5.78	117	48205	19.955	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	71120	21.448	ug/l	99
40) Benzene	6.14	78	167826	20.238	ug/l	99
41) Methacrylonitrile	5.04	41	42537	18.689	ug/l	96
42) 1,2-Dichloroethane	6.19	62	60671	19.790	ug/l	99
43) Isopropyl Acetate	6.44	43	121602	19.348	ug/l	99
44) Trichloroethene	7.21	130	39529	19.624	ug/l	96
45) 1,2-Dichloropropane	7.51	63	47328	19.826	ug/l	97
46) Dibromomethane	7.66	93	27008	19.221	ug/l	99
47) Bromodichloromethane	7.90	83	54246	20.301	ug/l	98
48) Methyl methacrylate	7.77	41	61755	19.849	ug/l	100
49) 1,4-Dioxane	7.74	88	23253	401.795	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	402898	98.545	ug/l	99
52) Toluene	8.78	92	102601	20.378	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	61848	19.300	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	68707	19.678	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	40161	19.818	ug/l	99
56) Ethyl methacrylate	9.18	69	72264	20.030	ug/l	99
57) 1,3-Dichloropropane	9.37	76	71977	19.777	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	179175	94.709	ug/l	99
59) 2-Hexanone	9.49	43	316687	100.609	ug/l	100
60) Dibromochloromethane	9.58	129	39090	19.609	ug/l	100
61) 1,2-Dibromoethane	9.67	107	40818	19.606	ug/l	99
64) Tetrachloroethene	9.34	164	36623	21.002	ug/l	99
65) Chlorobenzene	10.13	112	105131	20.115	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	37016	20.420	ug/l	99
67) Ethyl Benzene	10.25	91	196190	20.906	ug/l	99
68) m/p-Xylenes	10.35	106	142596	41.131	ug/l	100
69) o-Xylene	10.69	106	68876	20.715	ug/l	100
70) Styrene	10.71	104	120071	20.595	ug/l	99
71) Bromoform	10.85	173	29483	19.897	ug/l #	97
73) Isopropylbenzene	11.02	105	187042	20.629	ug/l	99
74) N-amyl acetate	10.90	43	109976	20.299	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	66128	19.550	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	58493m	19.905	ug/l	
77) Bromobenzene	11.25	156	45048	19.496	ug/l	100
78) n-propylbenzene	11.36	91	216208	20.688	ug/l	100
79) 2-Chlorotoluene	11.42	91	128456	20.118	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	156773	20.524	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	21936	18.469	ug/l	97
82) 4-Chlorotoluene	11.51	91	146901	19.763	ug/l	99
83) tert-Butylbenzene	11.77	119	149766	20.494	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	159757	20.595	ug/l	100
85) sec-Butylbenzene	11.94	105	181920	20.925	ug/l	100
86) p-Isopropyltoluene	12.06	119	165104	21.114	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	80540	19.578	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	80882	19.279	ug/l	99
89) n-Butylbenzene	12.38	91	153177	20.843	ug/l	99
90) Hexachloroethane	12.60	117	27166	20.243	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	80604	19.874	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15176	19.060	ug/l	99

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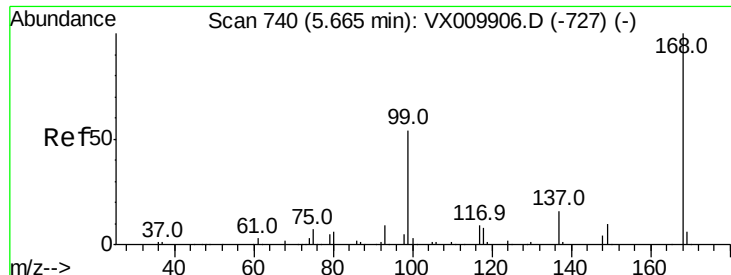
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Wed May 29 04:00:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	58786	20.283	ug/l	99
94) Hexachlorobutadiene	13.78	225	30268	20.821	ug/l	100
95) Naphthalene	13.83	128	180346	19.995	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	58245	20.076	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX0528WBS01

Tot Ion:168 Resp: 175261

Ion Ratio Lower Upper

168 100

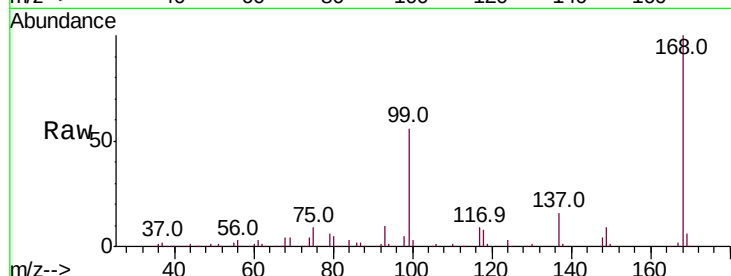
99 55.5 43.0 64.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

60000

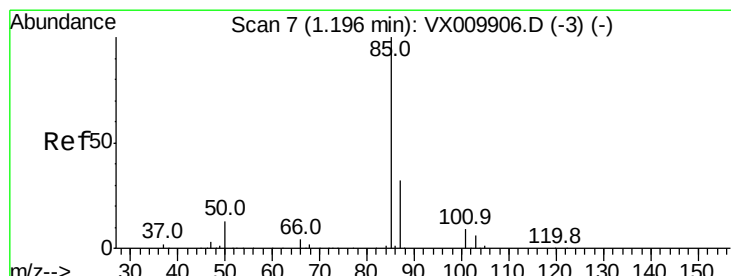
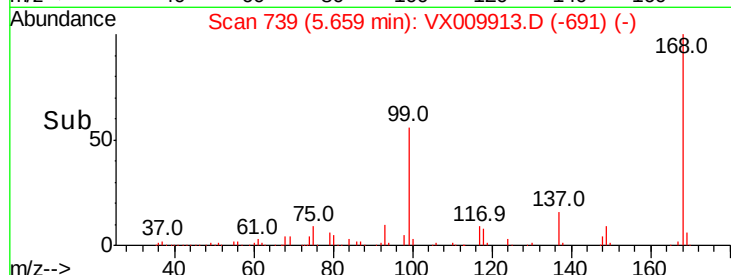
40000

20000

0

5.50 5.60 5.70 5.80

5.66



#2

Dichlorodifluoromethane

Concen: 22.435 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009913.D

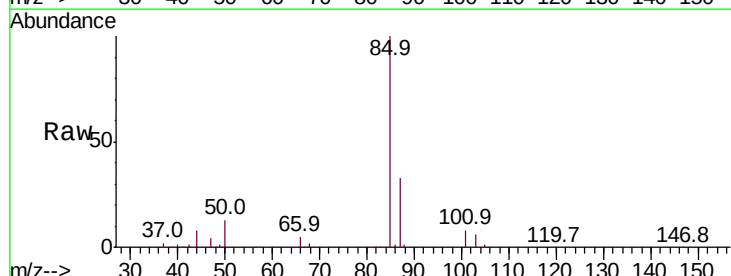
Acq: 28 May 2019 14:36

Tgt Ion: 85 Resp: 48049

Ion Ratio Lower Upper

85 100

87 32.5 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

50000

40000

30000

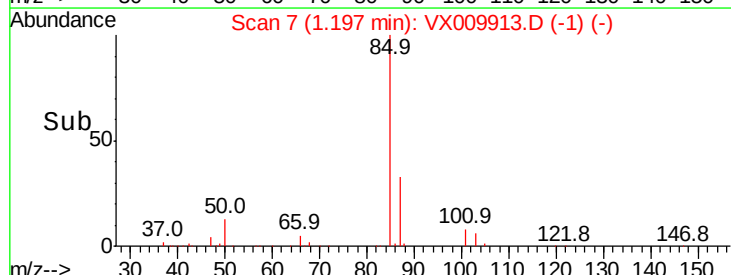
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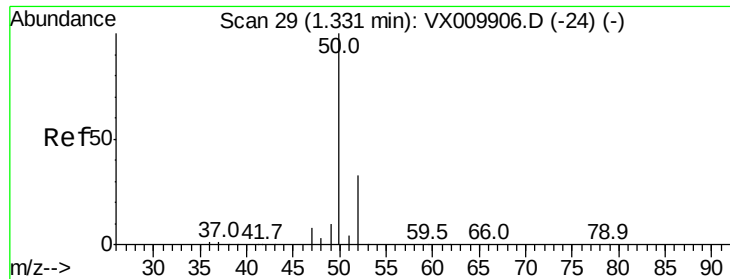
10000

0

1.15 1.20 1.25 1.30

1.20





#3

Chloromethane

Concen: 20.339 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX0528WBS01

Tot Ion: 50 Resp: 58559

Ion Ratio Lower Upper

50 100

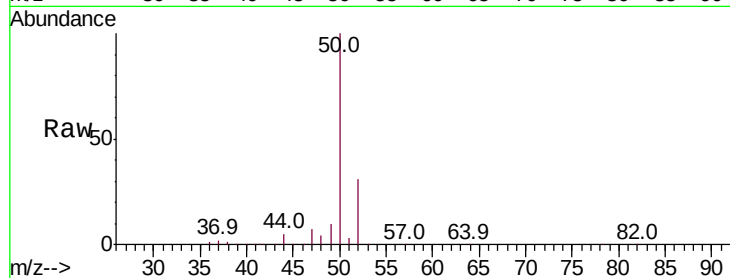
52 30.8 26.0 39.0

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

60000

50000

40000

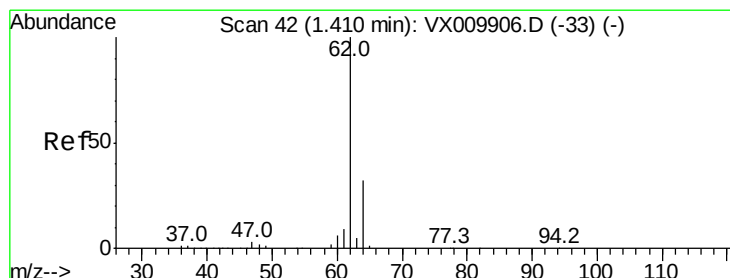
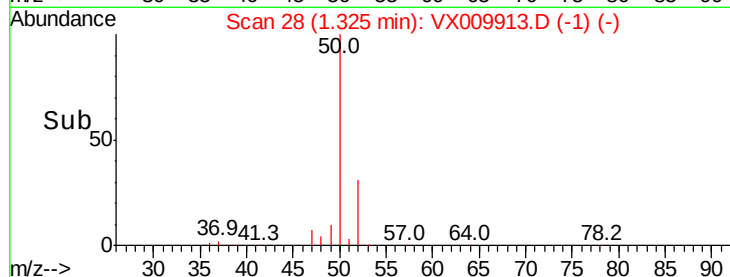
30000

20000

10000

0

Time-->



#4

Vinyl Chloride

Concen: 20.095 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009913.D

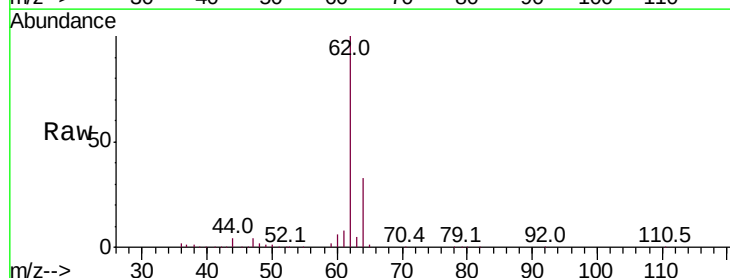
Acq: 28 May 2019 14:36

Tgt Ion: 62 Resp: 52156

Ion Ratio Lower Upper

62 100

64 32.9 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

50000

40000

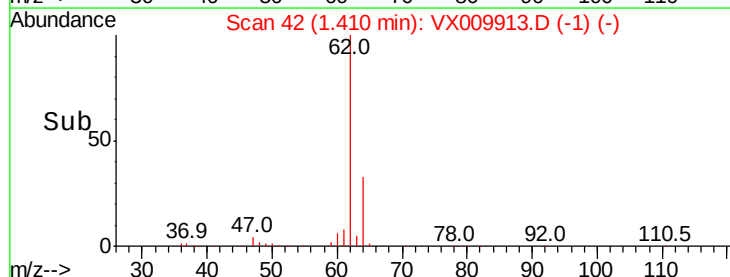
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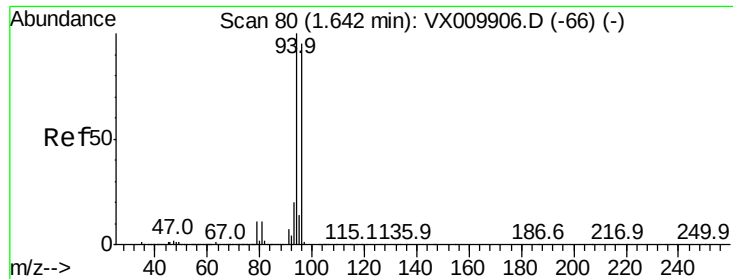
20000

10000

0

Time-->





#5

Bromomethane

Concen: 19.825 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX0528WBS01

Tot Ion: 94 Resp: 31176

Ion Ratio Lower Upper

94 100

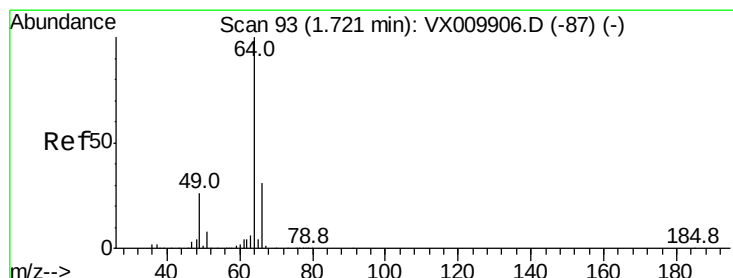
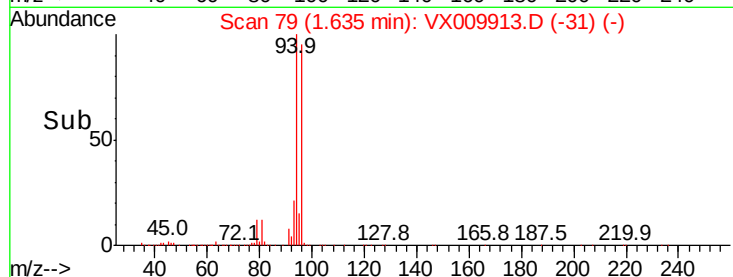
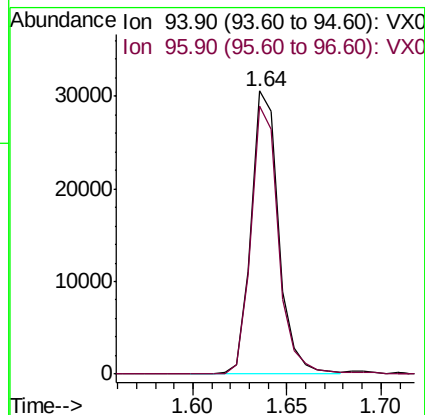
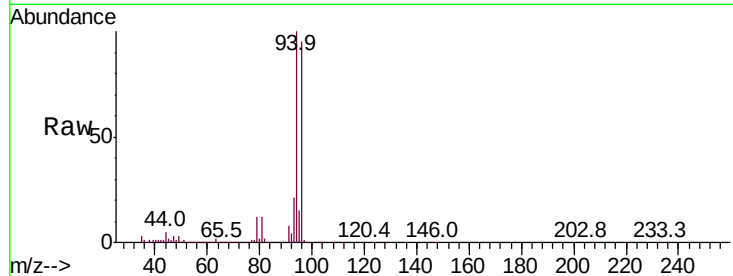
96 94.5 76.2 114.4

Manual Integrations

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5/29/2019 9:25:13 AM



#6

Chloroethane

Concen: 19.300 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX009913.D

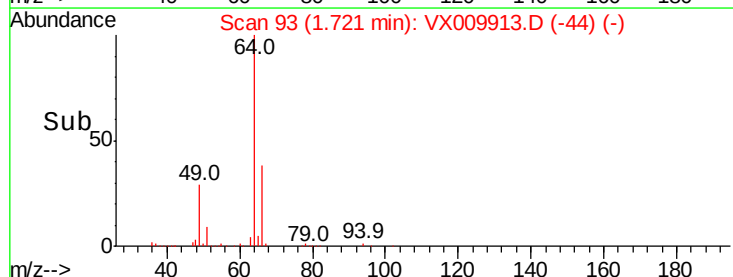
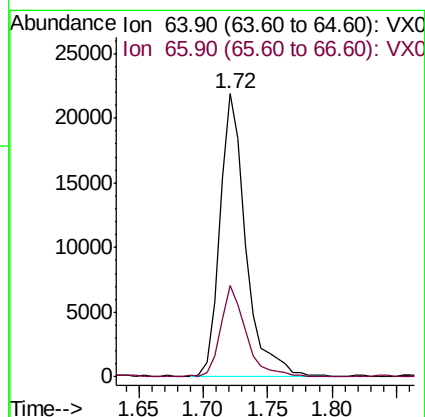
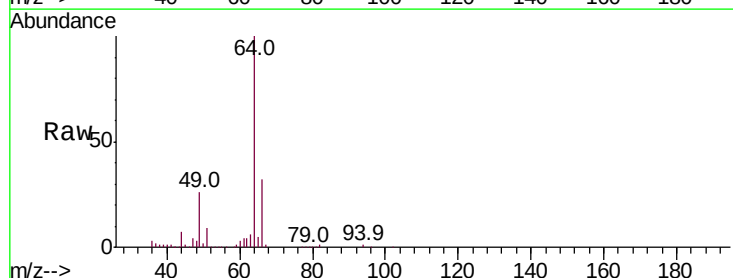
Acq: 28 May 2019 14:36

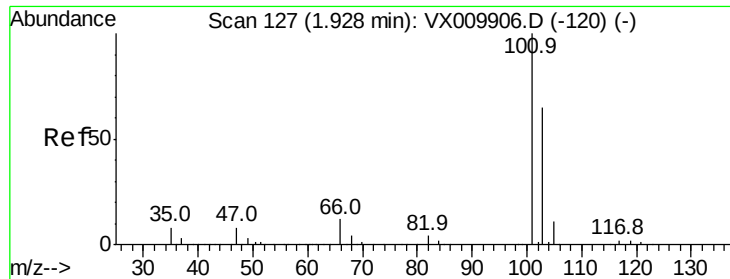
Tgt Ion: 64 Resp: 30836

Ion Ratio Lower Upper

64 100

66 32.2 25.1 37.7





#7

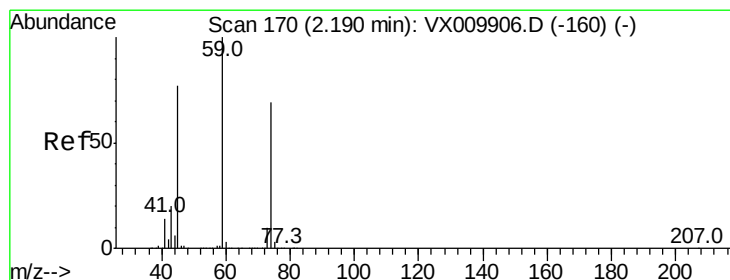
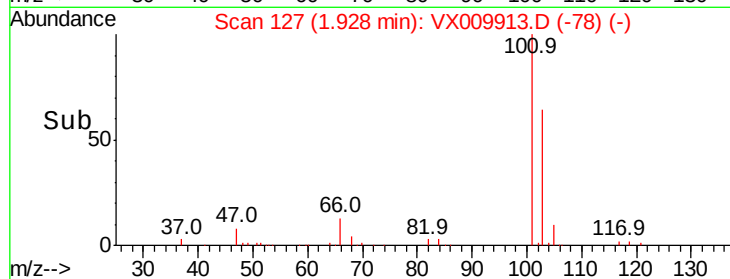
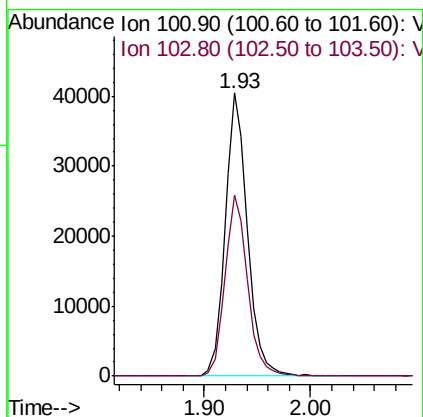
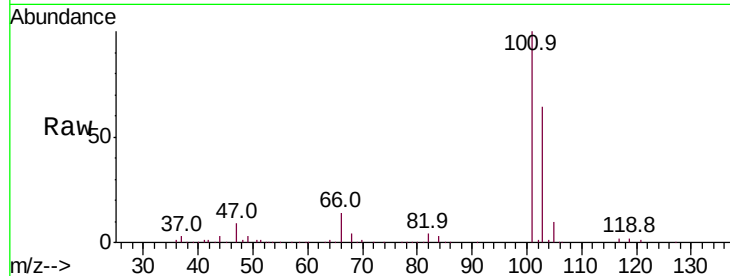
Trichlorofluoromethane
Concen: 20.588 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX0528WBS01

Tot Ion:101 Resp: 59048
Ion Ratio Lower Upper
101 100
103 64.0 52.2 78.4

Manual Integrations
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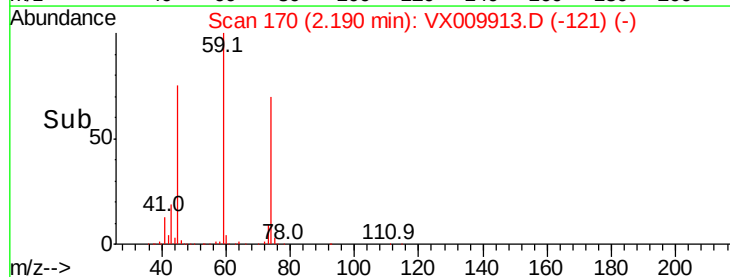
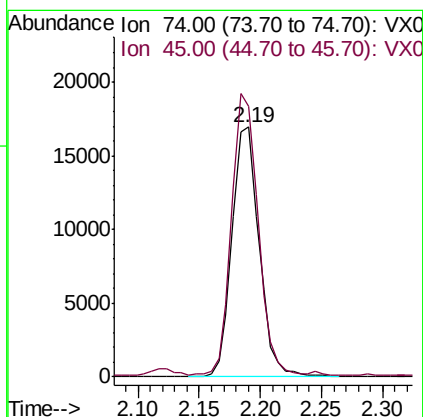
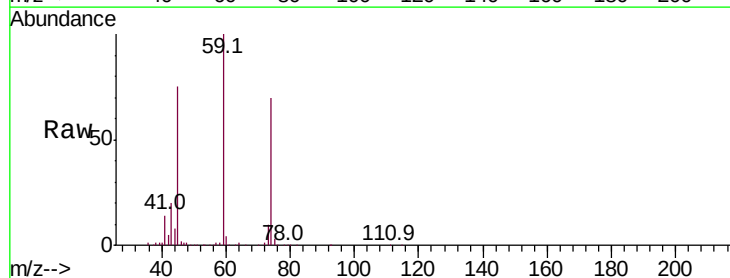
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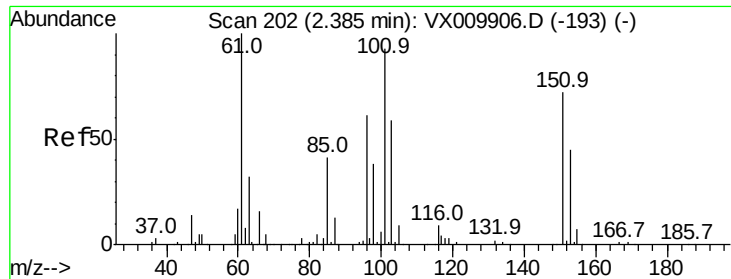


#8

Diethyl Ether
Concen: 19.251 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

Tgt Ion: 74 Resp: 25946
Ion Ratio Lower Upper
74 100
45 108.8 56.1 168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.595 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

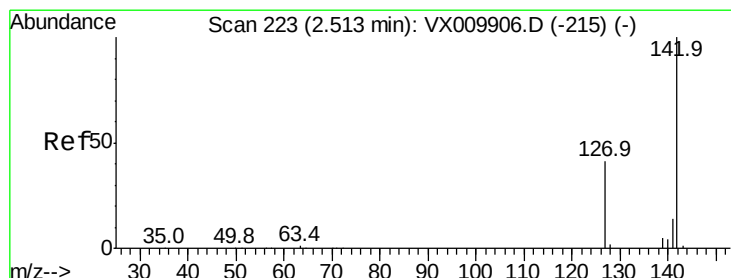
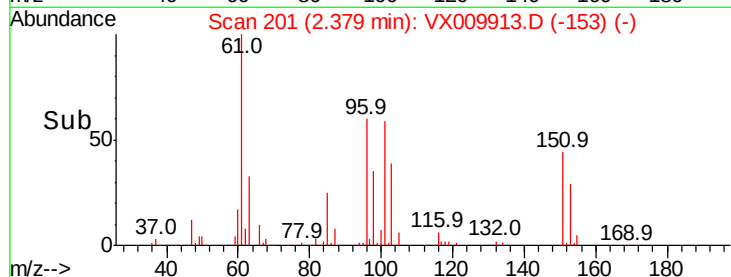
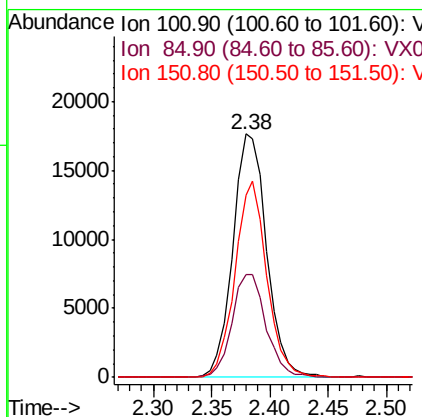
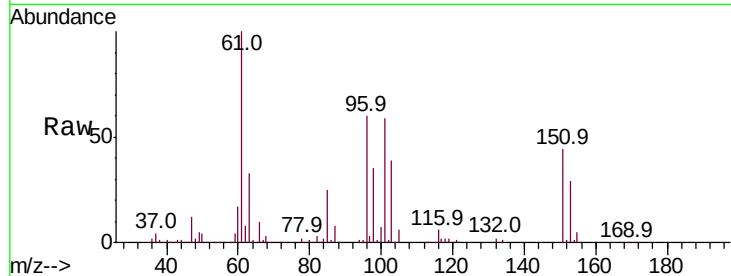
ClientSampleId :

VX0528WBS01

Tot Ion:	101	Resp:	35662
Ion Ratio	Lower	Upper	
101	100		
85	42.6	35.2	52.8
151	75.7	61.9	92.9

Manual Integrations
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5/29/2019 9:25:13 AM



#10

Methyl Iodide

Concen: 19.394 ug/l

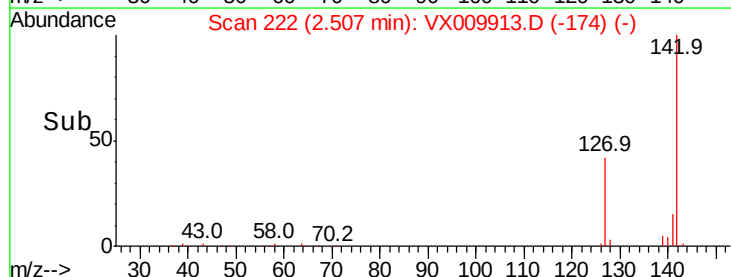
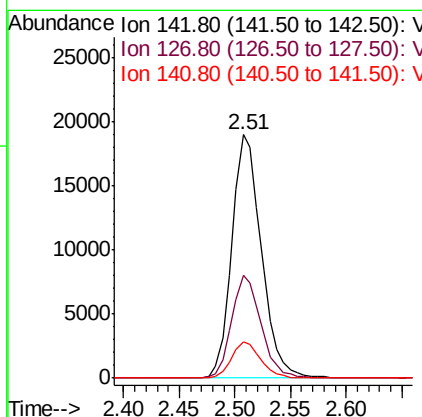
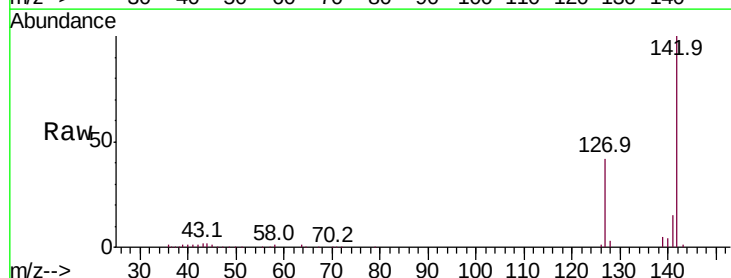
RT: 2.51 min Scan# 222

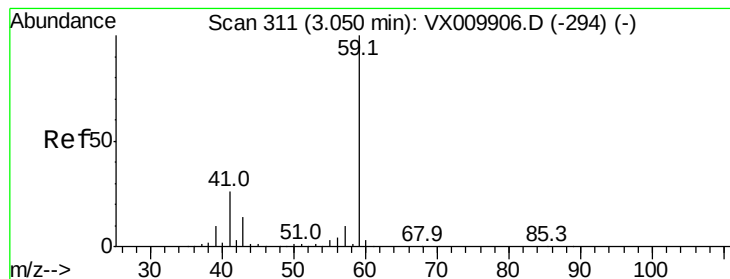
Delta R.T. -0.01 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Tgt Ion:	142	Resp:	34846
Ion Ratio	Lower	Upper	
142	100		
127	42.2	33.0	49.4
141	14.6	11.4	17.0





#11

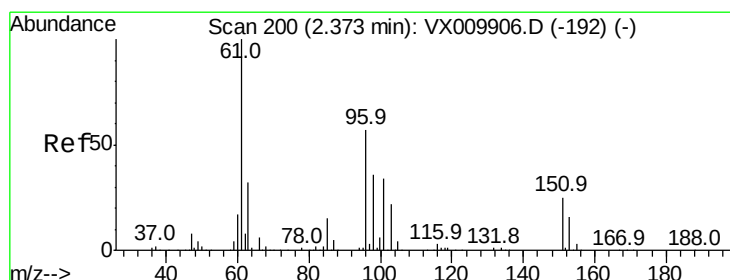
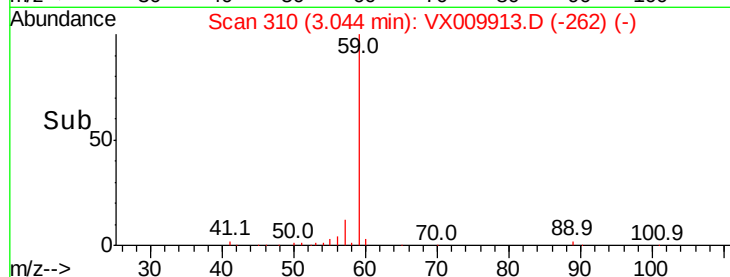
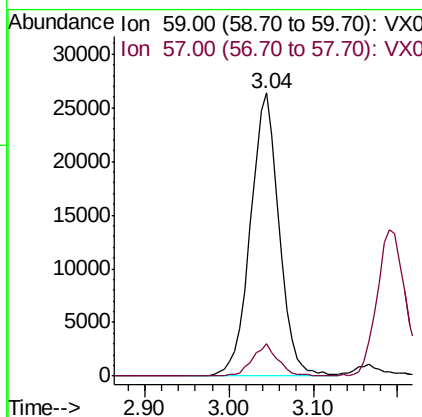
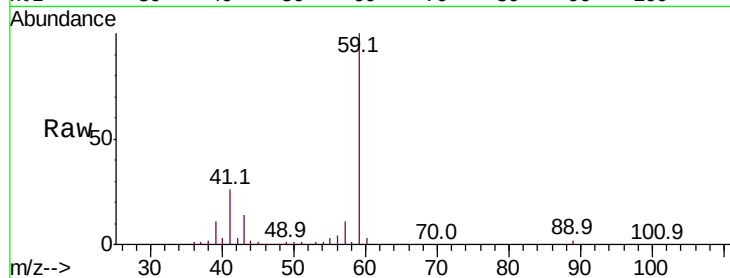
Tert butyl alcohol
 Concen: 100.125 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. -0.01 min
 Lab File: VX009913.D
 Acq: 28 May 2019 14:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0528WBS01

Tot Ion: 59 Resp: 61003
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.2 12.2

Manual Integrations
 APPROVED

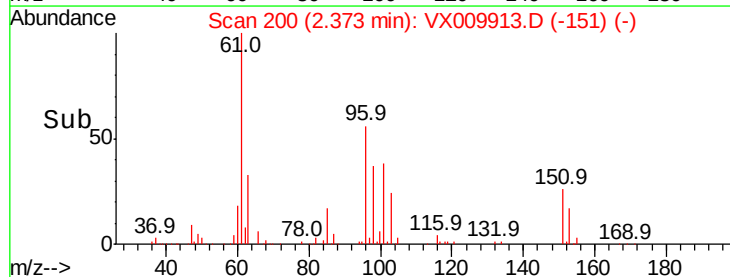
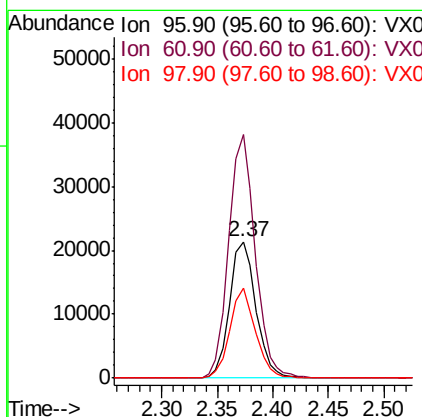
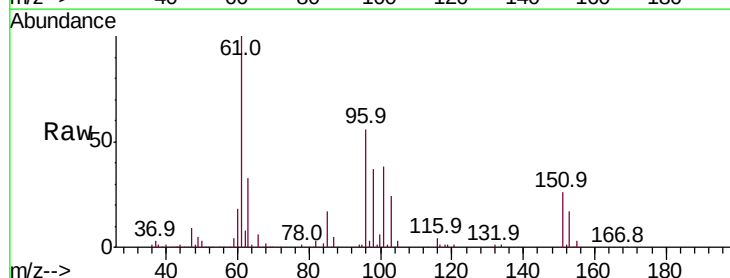
MMDadoda
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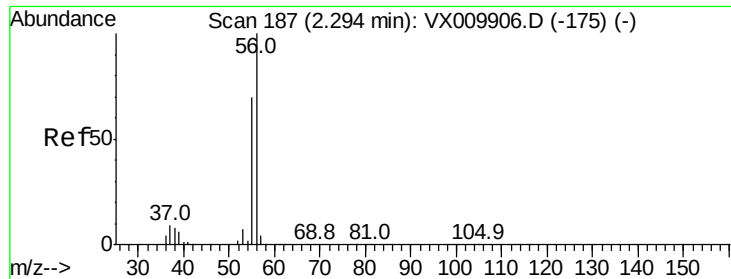


#12

1,1-Dichloroethene
 Concen: 19.890 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VX009913.D
 Acq: 28 May 2019 14:36

Tgt Ion: 96 Resp: 35303
 Ion Ratio Lower Upper
 96 100
 61 178.1 140.7 211.1
 98 66.2 50.1 75.1





#13

Acrolein

Concen: 103.264 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX0528WBS01

Tot Ion: 56 Resp: 38756

Ion Ratio Lower Upper

56 100

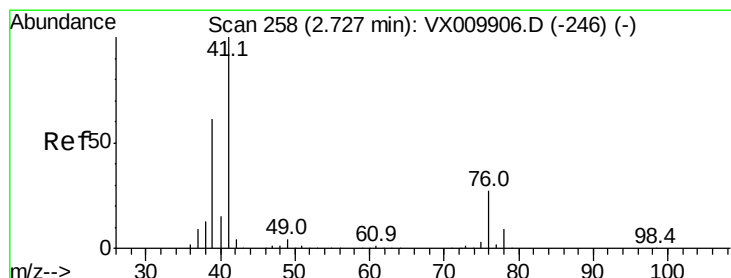
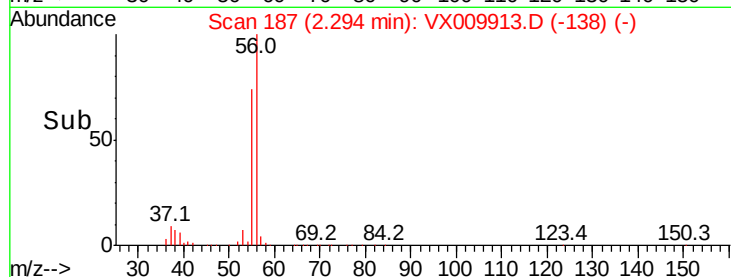
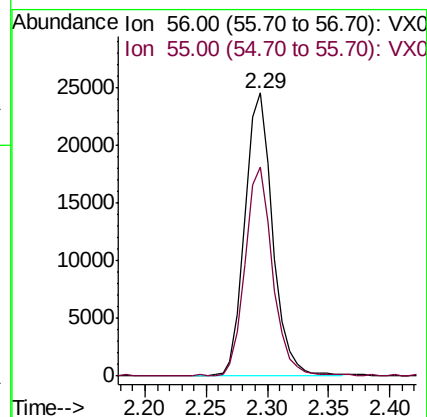
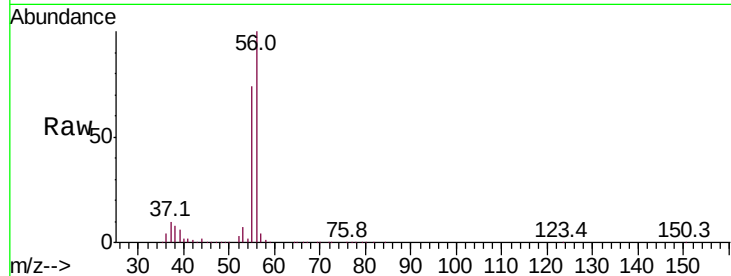
55 73.3 57.0 85.4

Manual Integrations

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#14

Allyl chloride

Concen: 19.657 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

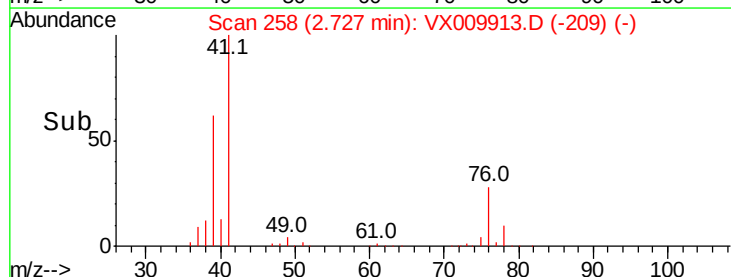
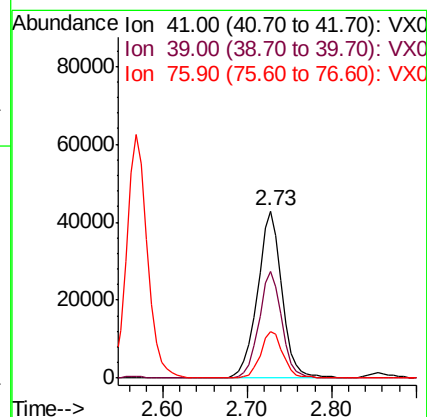
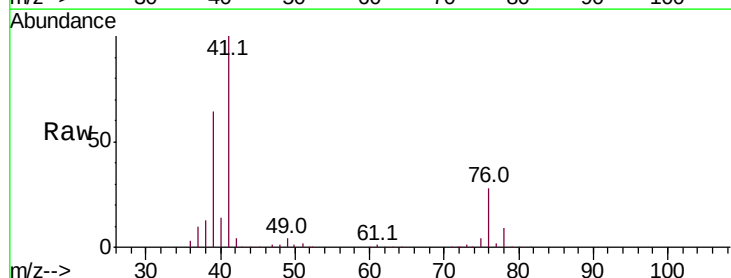
Tgt Ion: 41 Resp: 84798

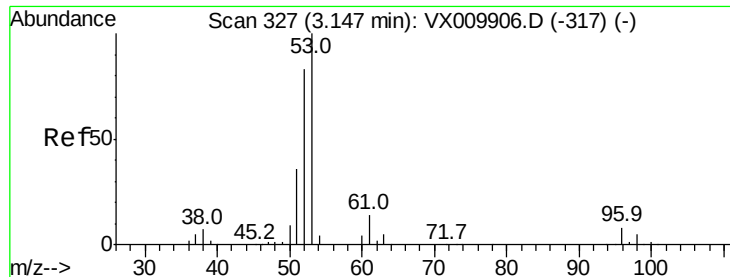
Ion Ratio Lower Upper

41 100

39 59.4 46.7 70.1

76 25.7 21.0 31.4





#15

Acrylonitrile

Concen: 93.137 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

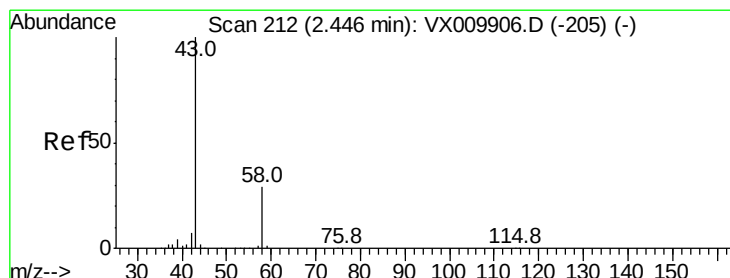
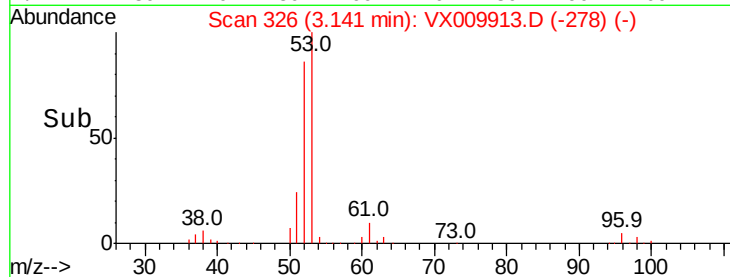
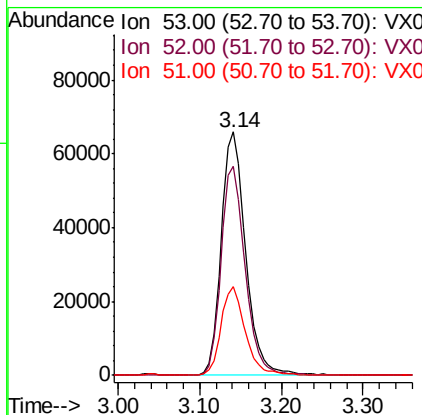
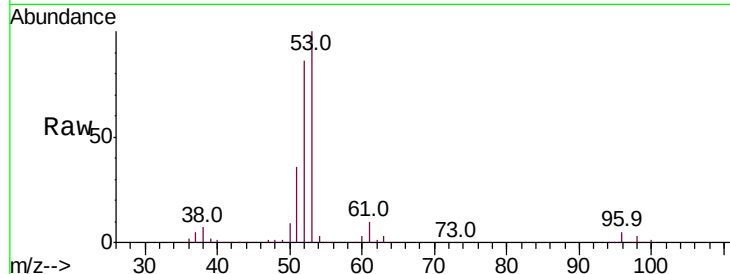
ClientSampleId :

VX0528WBS01

Tot Ion:	53	Resp:	136727
Ion Ratio	Lower	Upper	
53	100		
52	84.6	66.7	100.1
51	36.7	28.8	43.2

Manual Integrations
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#16

Acetone

Concen: 93.986 ug/l

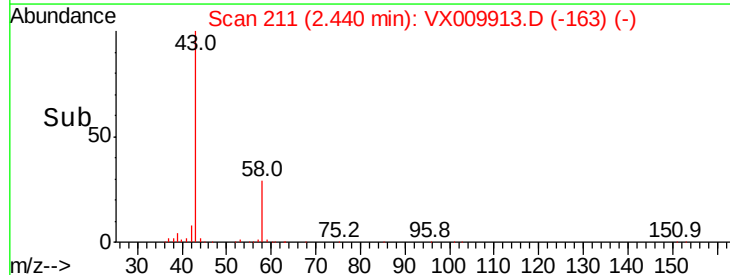
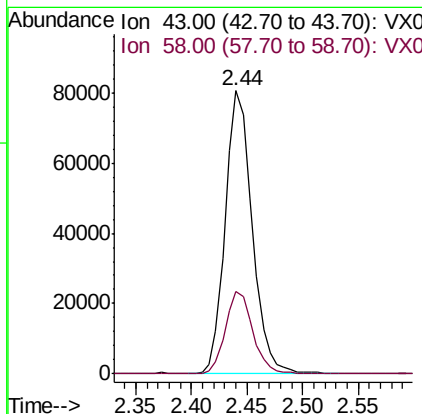
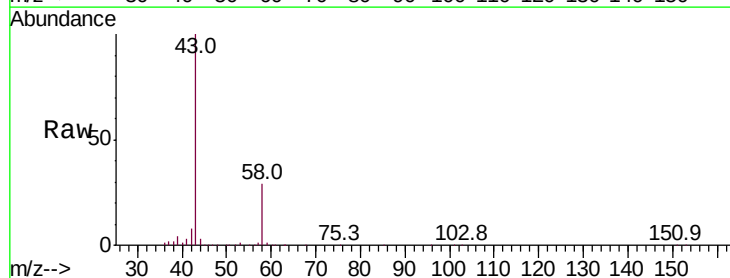
RT: 2.44 min Scan# 211

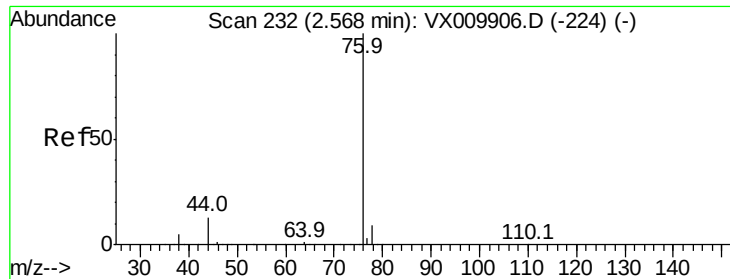
Delta R.T. -0.01 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Tgt Ion:	43	Resp:	134439
Ion Ratio	Lower	Upper	
43	100		
58	29.3	23.2	34.8





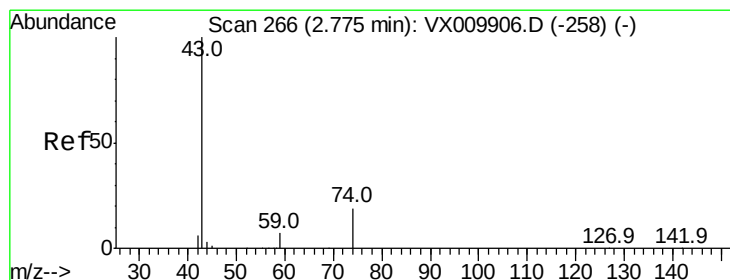
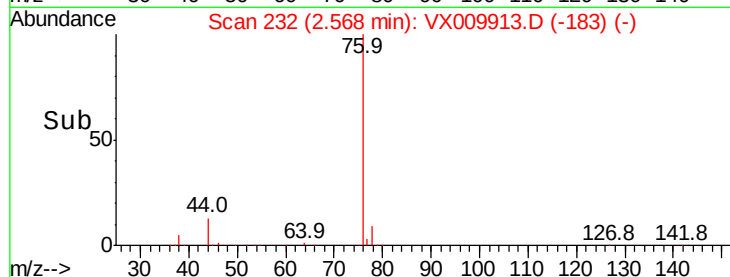
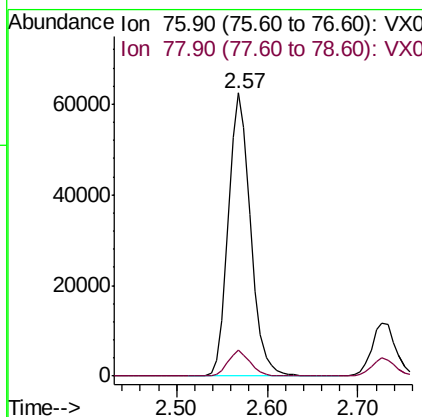
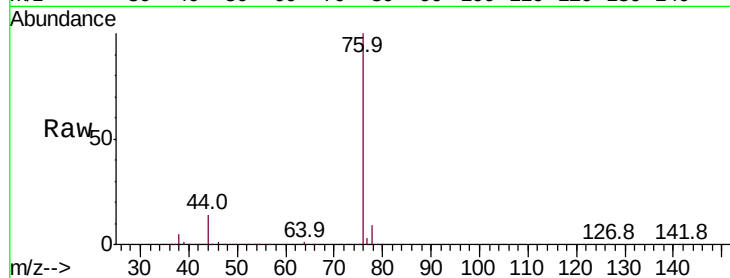
#17
Carbon Disulfide
Concen: 20.014 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX0528WBS01

Tot Ion	Ratio	Resp	Lower	Upper
76	100	106316		
78	9.1		7.0	10.6

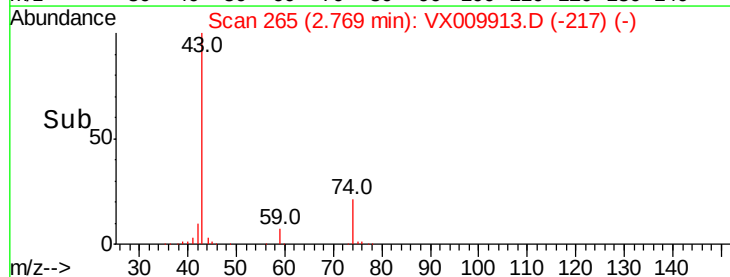
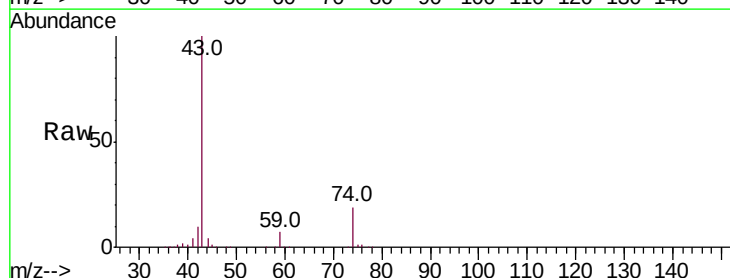
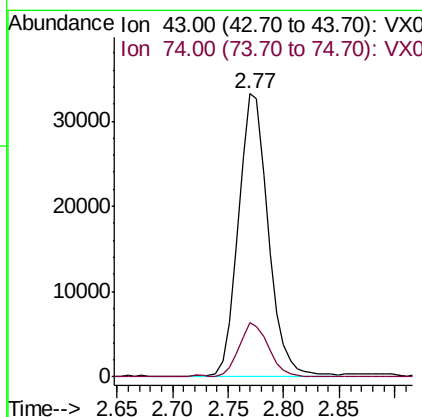
Manual Integrations
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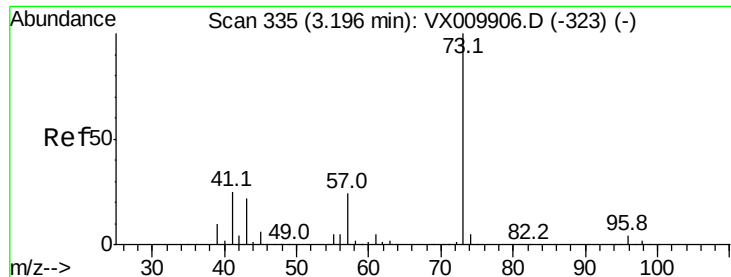
MMDadoda
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#18
Methyl Acetate
Concen: 18.495 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	61558		
74	18.5		15.8	23.6





#19

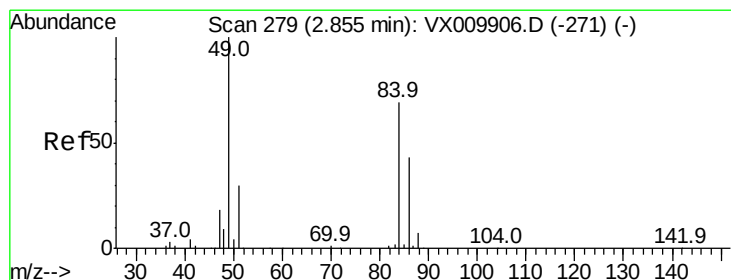
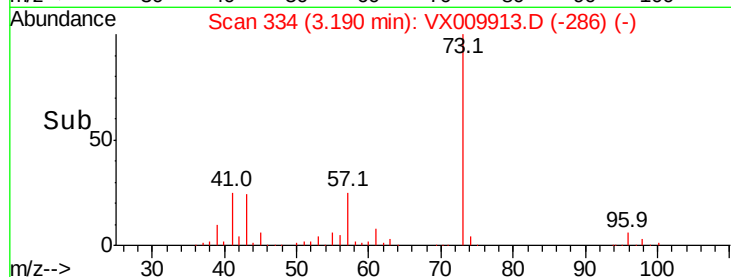
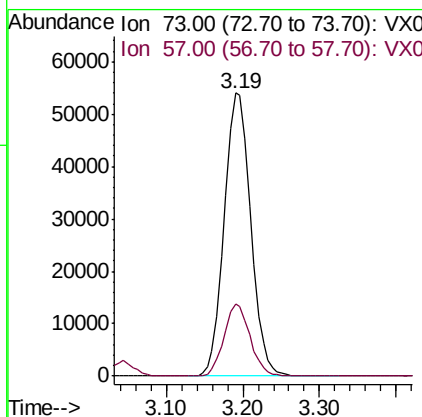
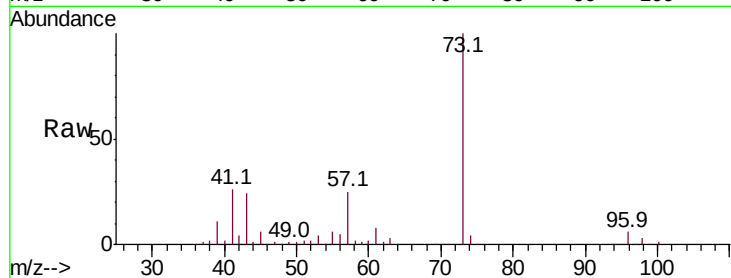
Methyl tert-butyl Ether
 Concen: 19.364 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. -0.01 min
 Lab File: VX009913.D
 Acq: 28 May 2019 14:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0528WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	25.3	19.4	29.2

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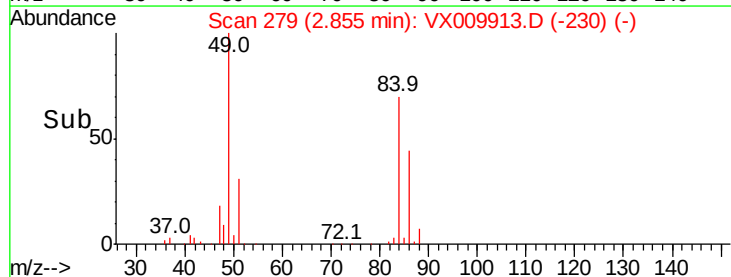
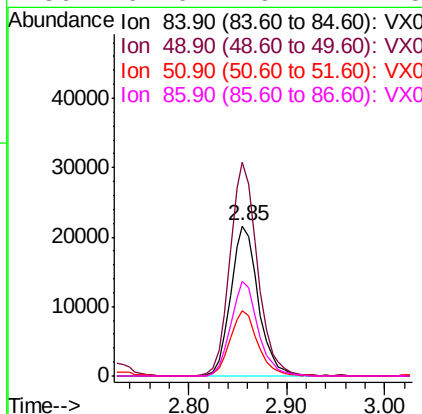
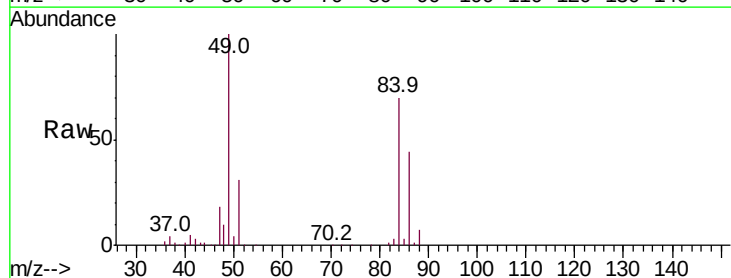
MMDadoda
 5/29/2019 9:25:13 AM

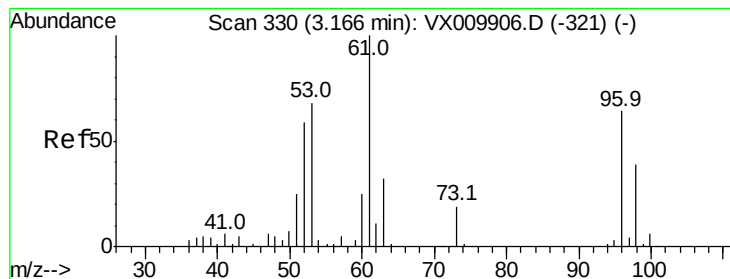


#20

Methylene Chloride
 Concen: 19.280 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX009913.D
 Acq: 28 May 2019 14:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	141.7	115.8	173.6
51	43.8	34.4	51.6
86	62.6	49.7	74.5





#21

trans-1,2-Dichloroethene

Concen: 19.309 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX0528WBS01

Tot Ion: 96 Resp: 38134

Ion Ratio Lower Upper

96 100

61 161.4 125.7 188.5

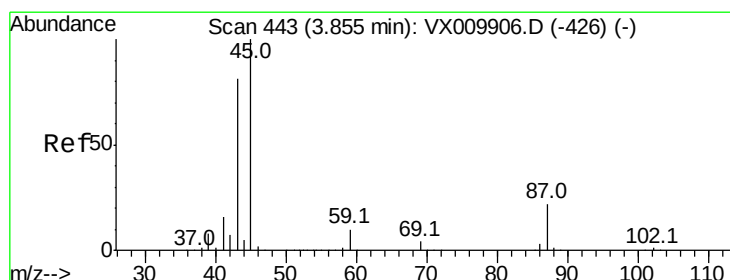
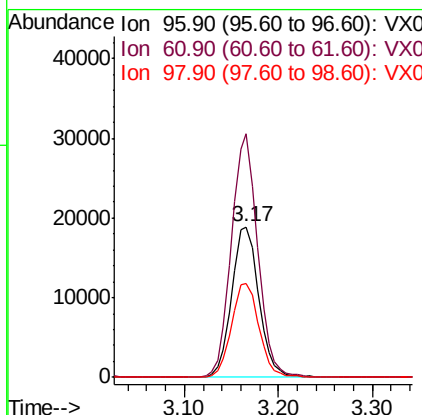
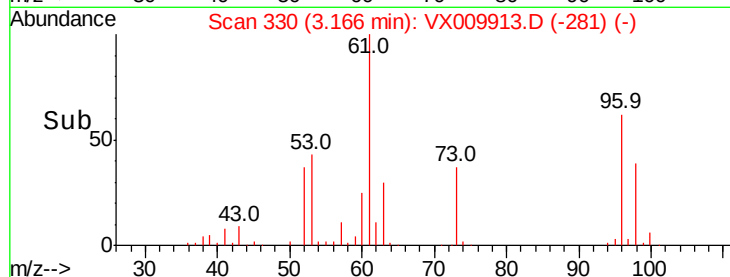
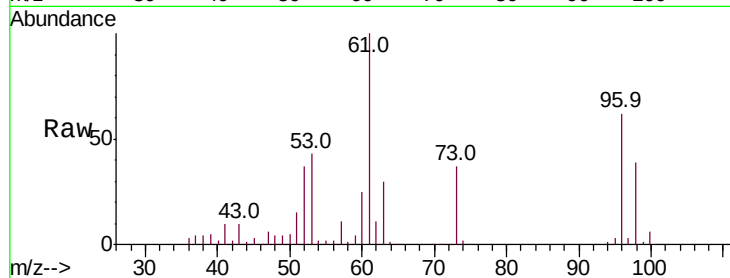
98 62.4 49.0 73.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 19.569 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Tgt Ion: 45 Resp: 160626

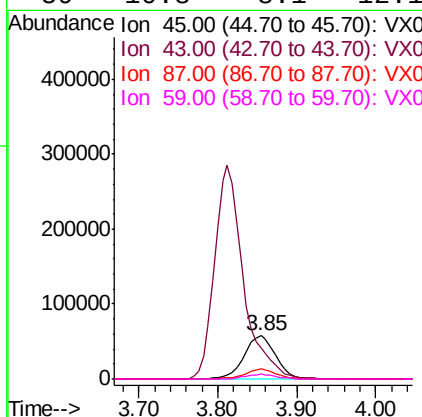
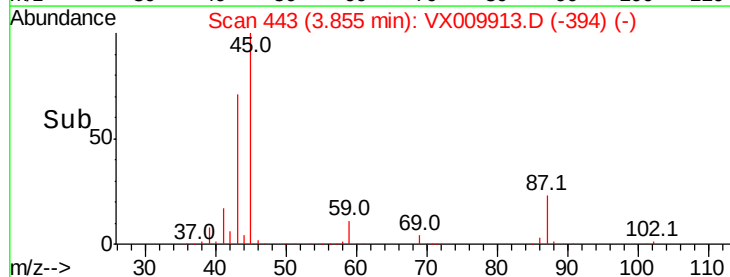
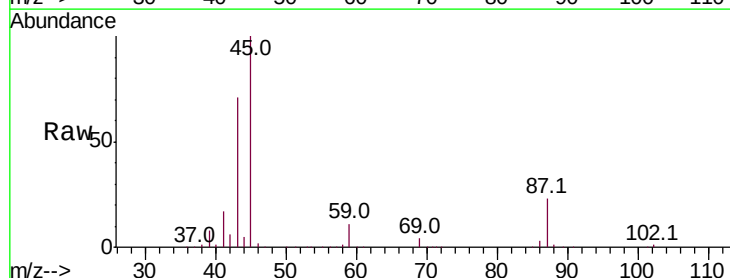
Ion Ratio Lower Upper

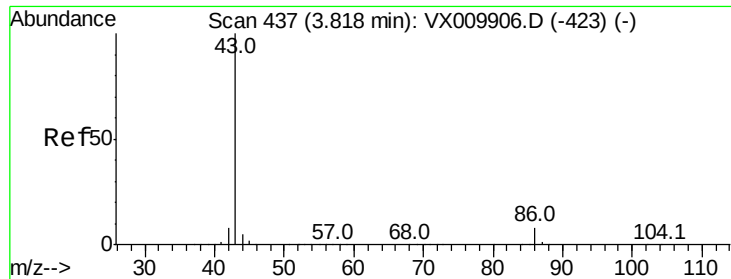
45 100

43 70.4 65.0 97.4

87 22.9 17.3 25.9

59 10.8 8.1 12.1





#23

Vinyl Acetate

Concen: 98.236 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX0528WBS01

Tot Ion: 43 Resp: 724365

Ion Ratio Lower Upper

43 100

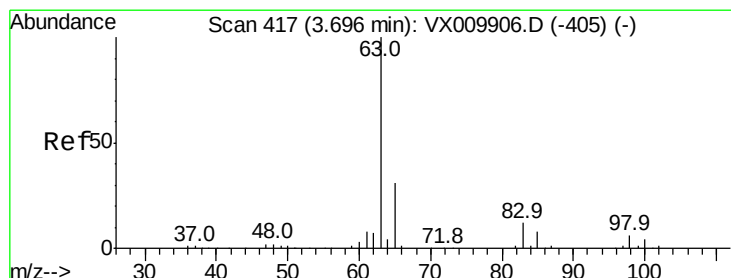
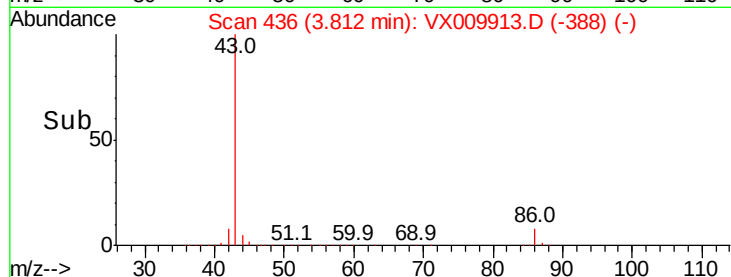
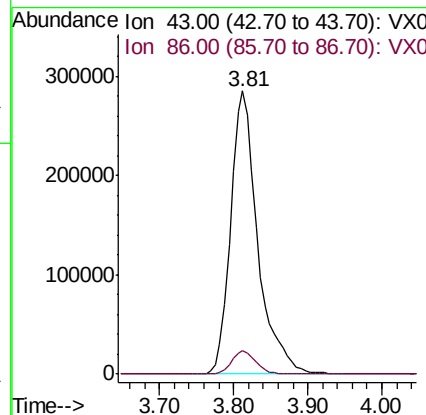
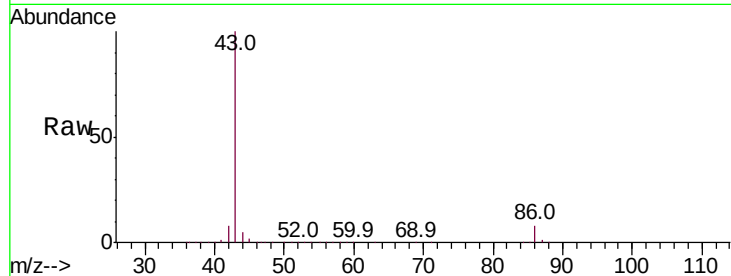
86 8.1 6.5 9.7

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#24

1,1-Dichloroethane

Concen: 19.569 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

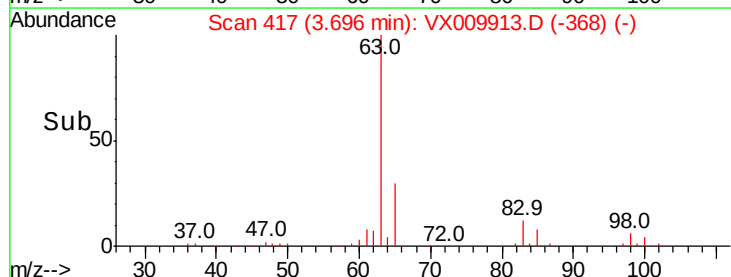
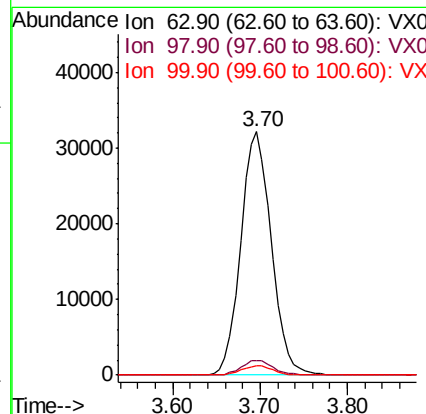
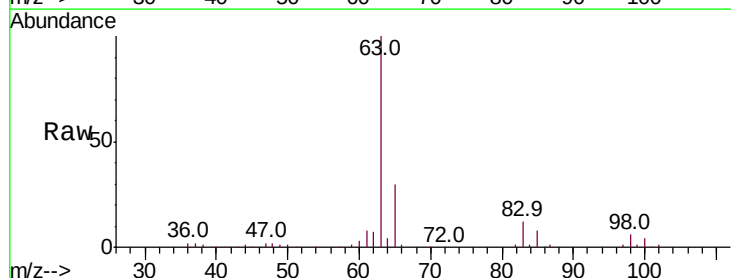
Tgt Ion: 63 Resp: 77840

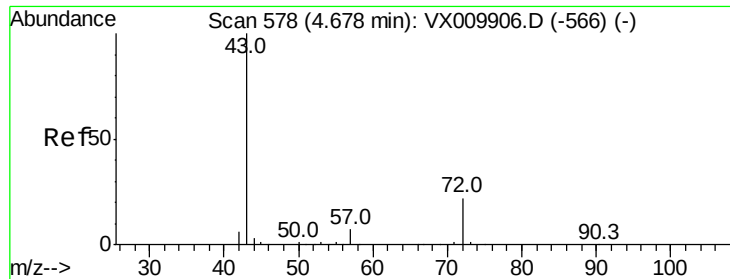
Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.8

100 3.6 1.8 5.4





#25

2-Butanone

Concen: 94.914 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX0528WBS01

Tot Ion: 43 Resp: 211521

Ion Ratio Lower Upper

43 100

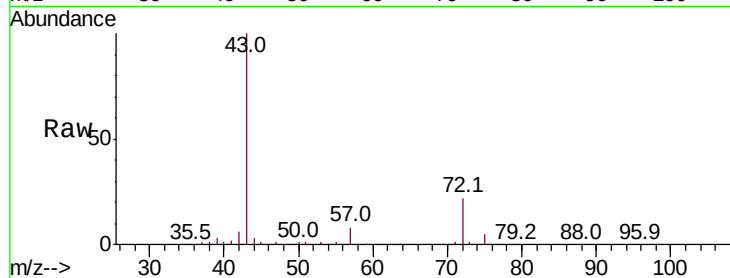
72 21.5 17.5 26.3

Manual Integrations

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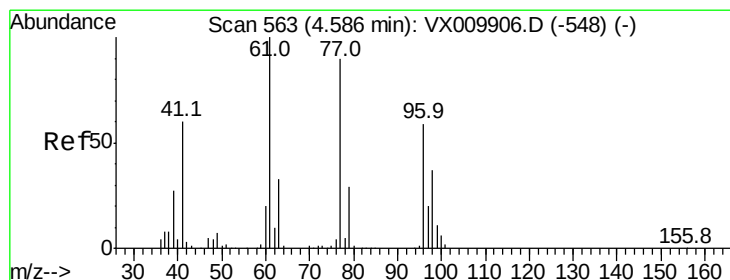
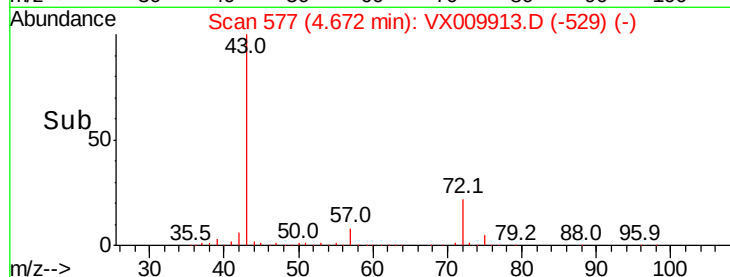
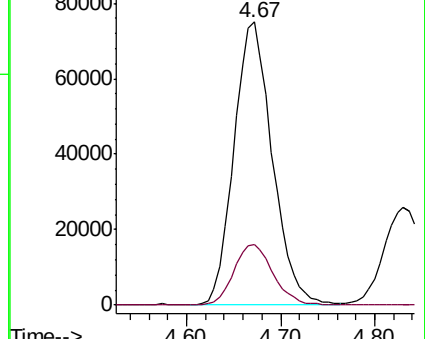
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 19.558 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX009913.D

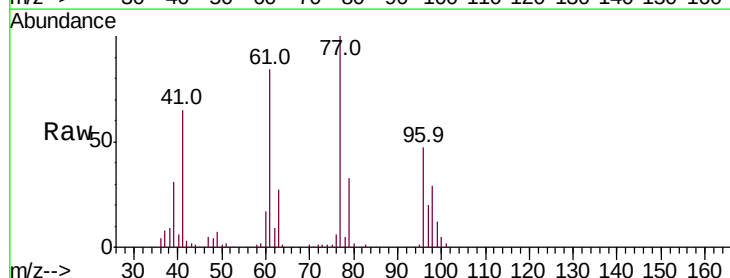
Acq: 28 May 2019 14:36

Tgt Ion: 77 Resp: 58852

Ion Ratio Lower Upper

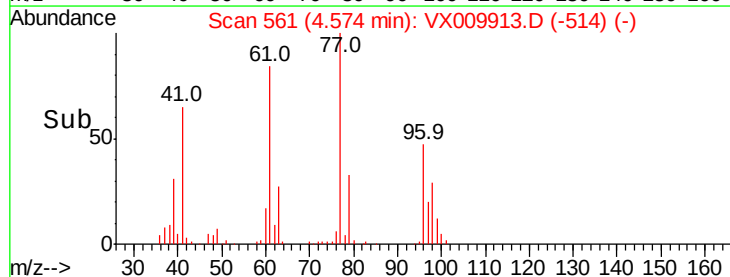
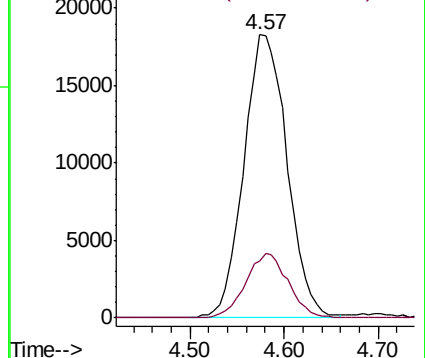
77 100

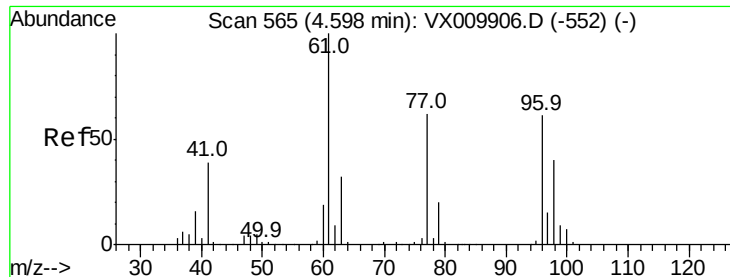
97 22.4 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

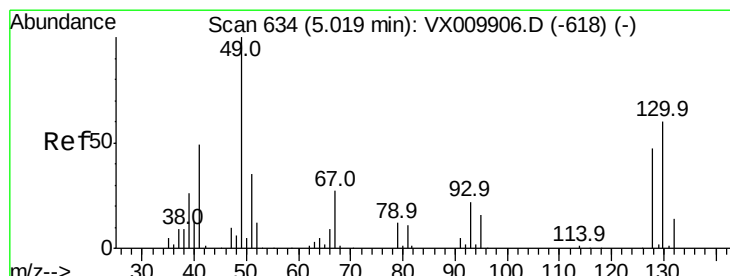
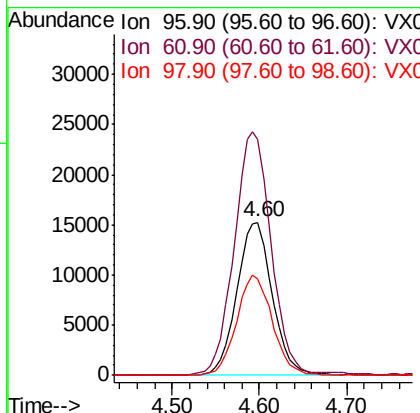
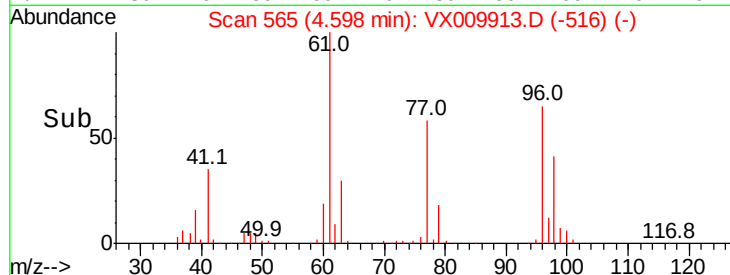
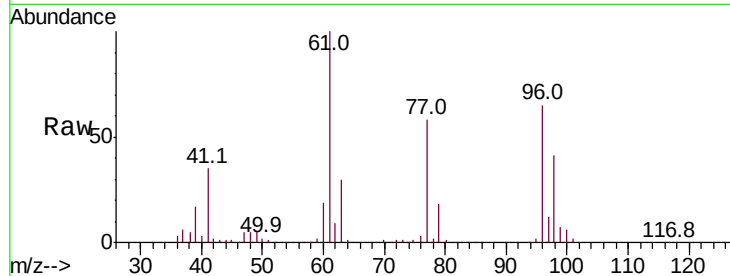
cis-1,2-Dichloroethene
Concen: 18.833 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX0528WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	167.1	0.0	334.0
98	65.5	0.0	131.6

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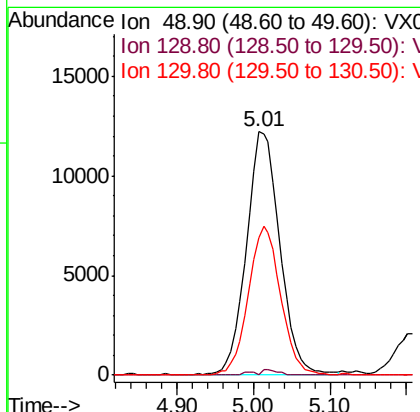
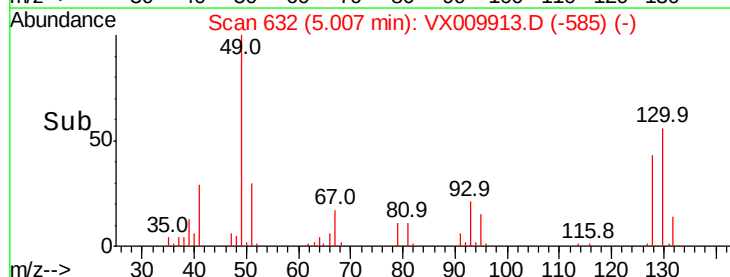
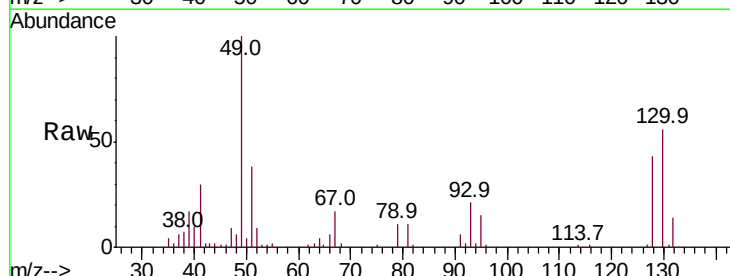
MMDadoda
5/29/2019 9:25:13 AM

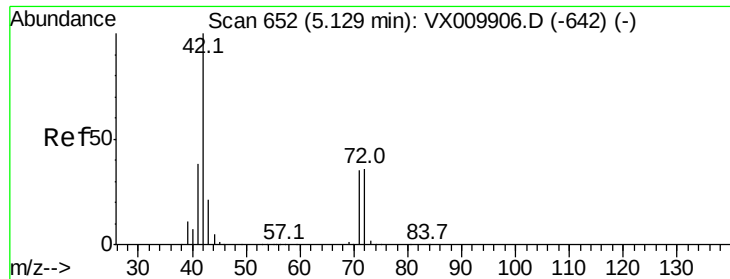


#28

Bromochloromethane
Concen: 18.065 ug/l
RT: 5.01 min Scan# 632
Delta R.T. -0.01 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.4
130	59.0	49.4	74.2





#29

Tetrahydrofuran

Concen: 94.269 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

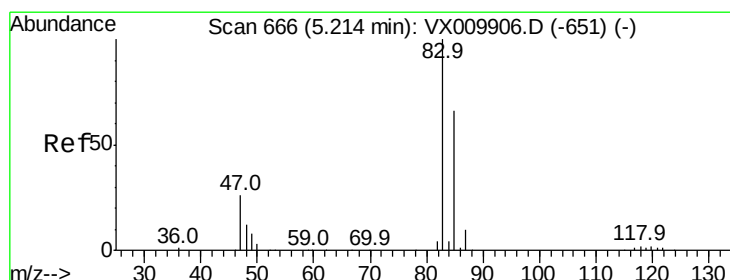
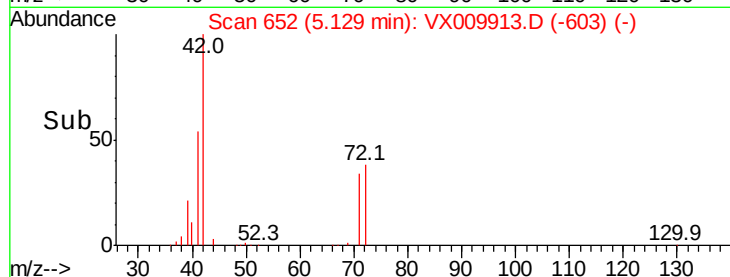
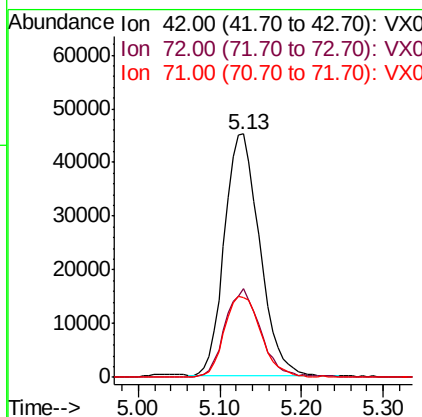
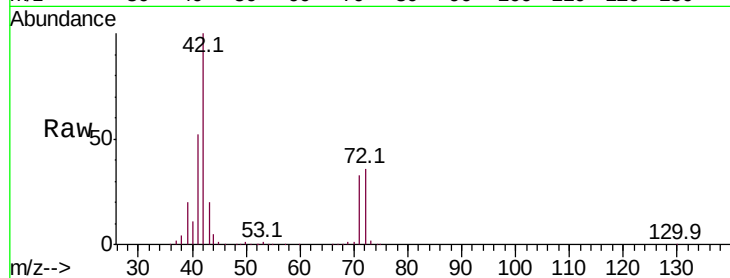
ClientSampleId :

VX0528WBS01

Tot Ion:	42	Resp:	134718
Ion Ratio	Lower	Upper	
42	100		
72	37.1	29.2	43.8
71	35.1	27.6	41.4

Manual Integrations
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#30

Chloroform

Concen: 19.674 ug/l

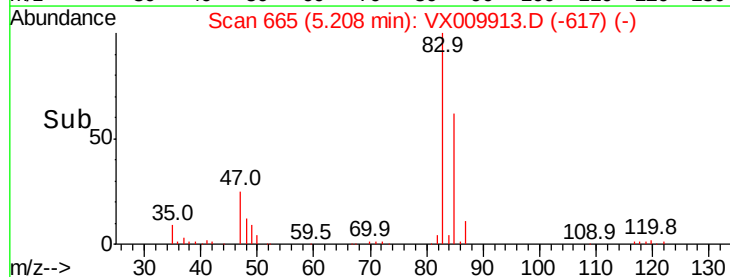
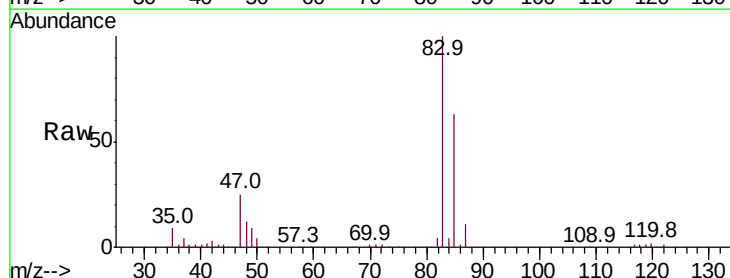
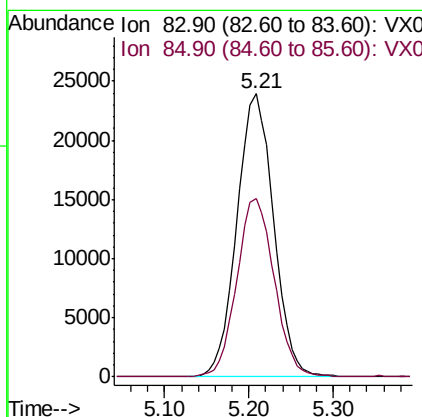
RT: 5.21 min Scan# 665

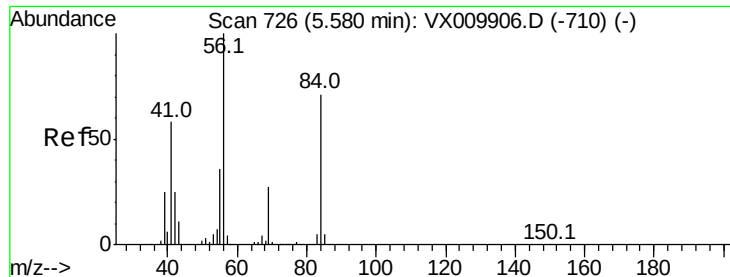
Delta R.T. -0.01 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Tgt Ion:	83	Resp:	70578
Ion Ratio	Lower	Upper	
83	100		
85	62.9	52.6	78.8





#31

Cyclohexane

Concen: 20.693 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

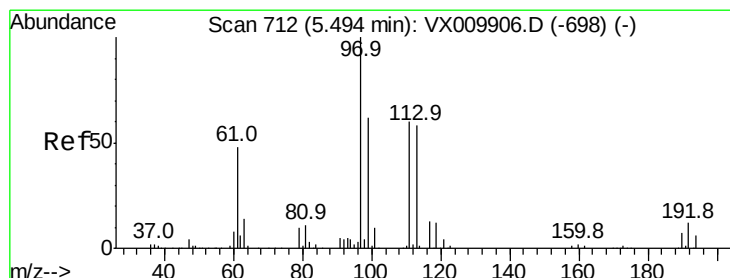
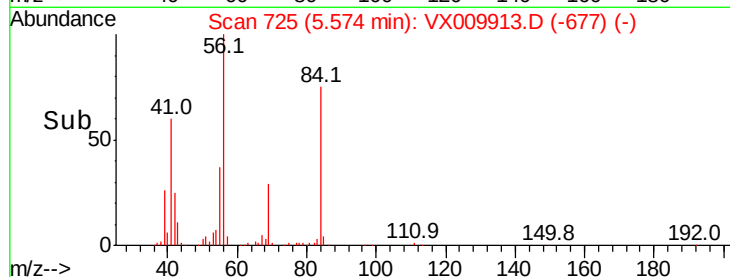
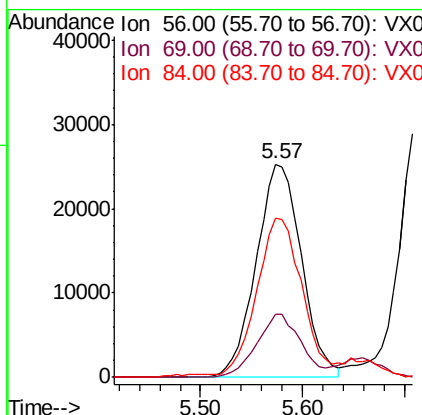
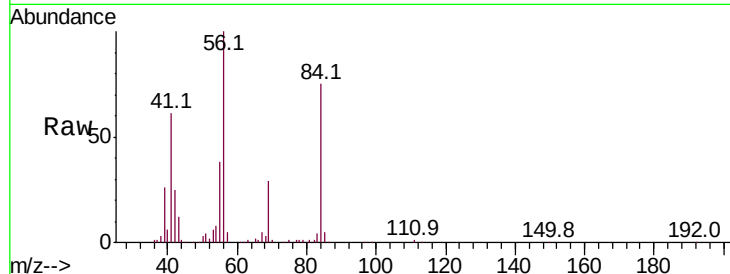
ClientSampleId :

VX0528WBS01

Tot Ion:	56	Resp:	77959
Ion	Ratio	Lower	Upper
56	100		
69	29.4	21.6	32.4
84	73.1	56.8	85.2

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#32

1,1,1-Trichloroethane

Concen: 20.004 ug/l

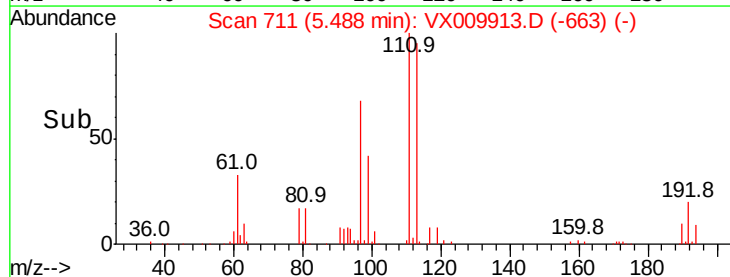
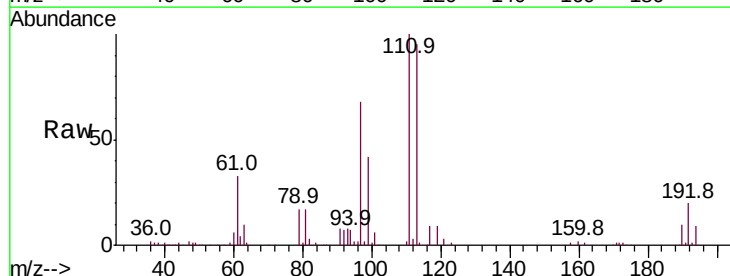
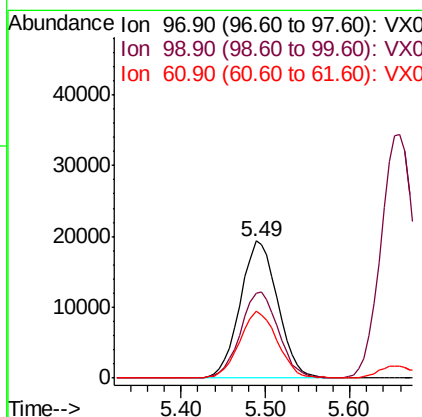
RT: 5.49 min Scan# 711

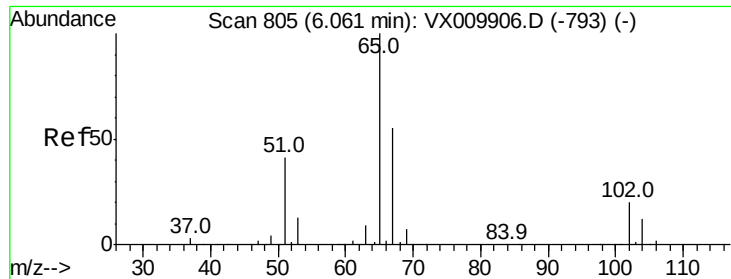
Delta R.T. -0.01 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Tgt Ion:	97	Resp:	58444
Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.0	76.4
61	49.2	38.7	58.1





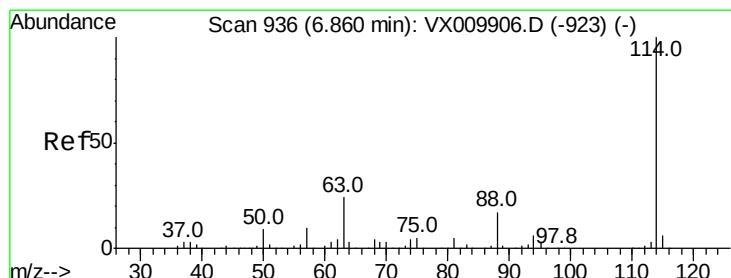
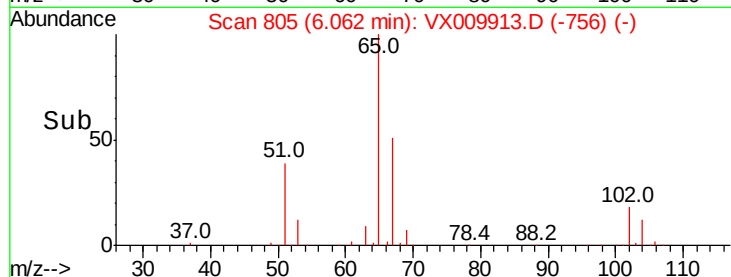
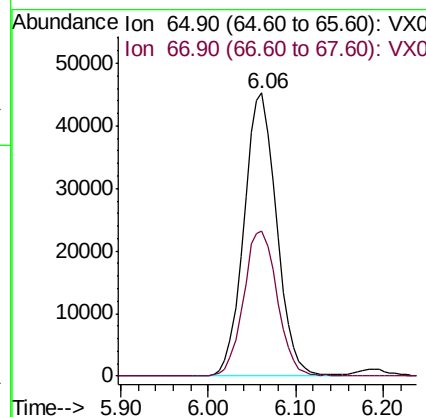
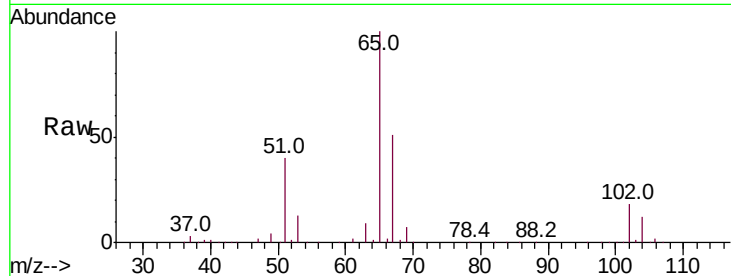
#33
 1,2-Dichloroethane-d4
 Concen: 47.453 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009913.D
 Acq: 28 May 2019 14:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0528WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	108.4

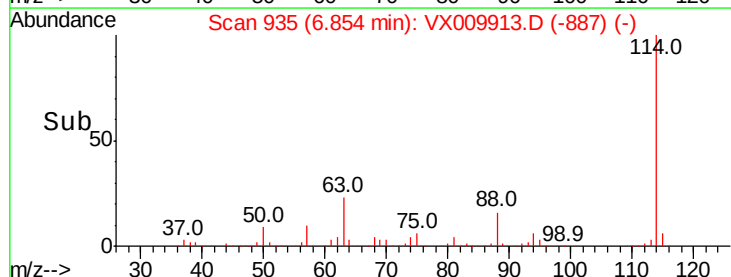
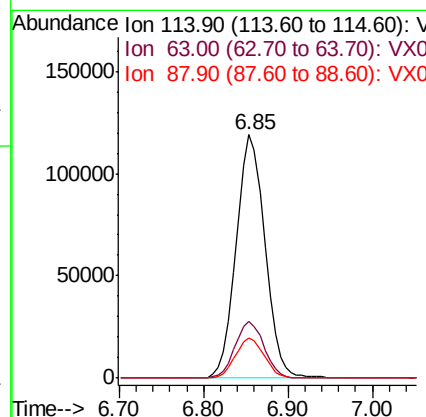
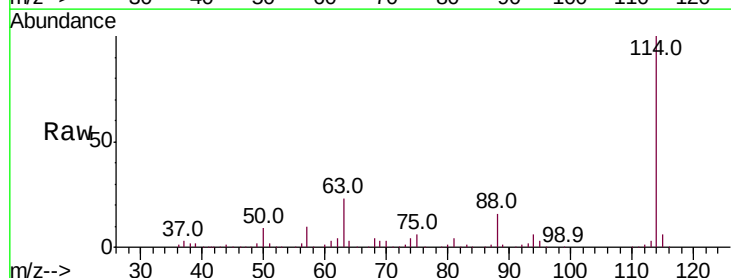
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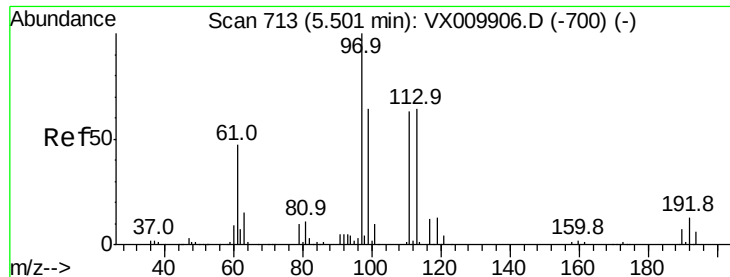
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX009913.D
 Acq: 28 May 2019 14:36

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	47.4
88	16.2	0.0	33.0





#35

Dibromofluoromethane

Concen: 48.519 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

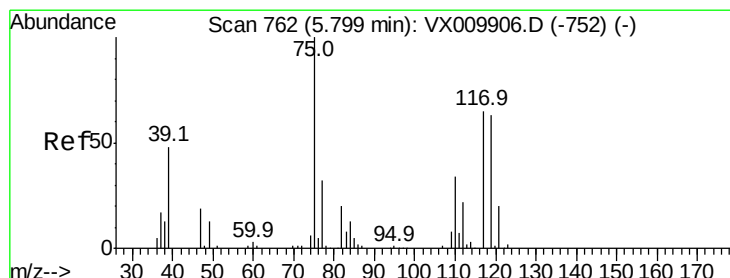
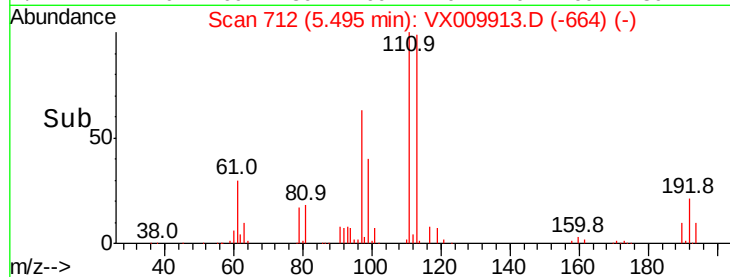
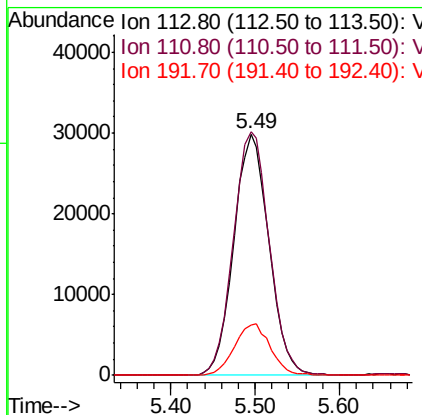
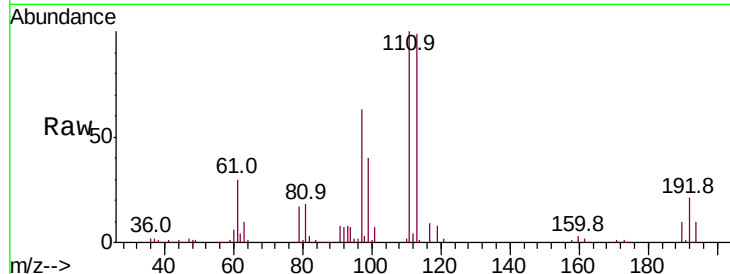
ClientSampleId :

VX0528WBS01

Tot Ion:	113	Resp:	84044
Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.2	123.2
192	21.9	17.1	25.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.510 ug/l

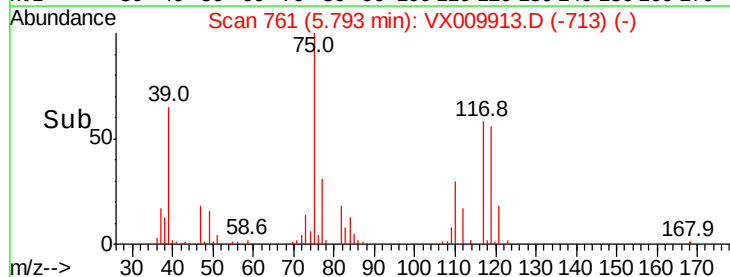
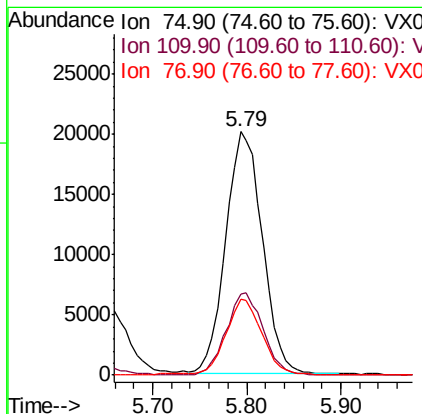
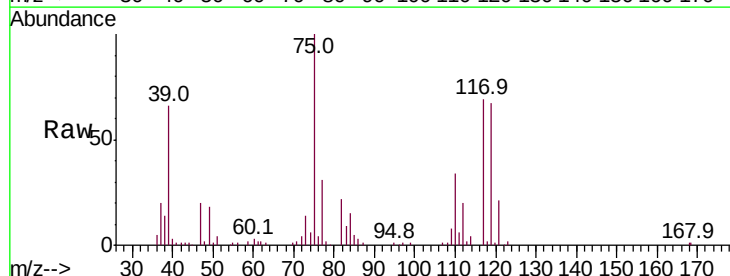
RT: 5.79 min Scan# 761

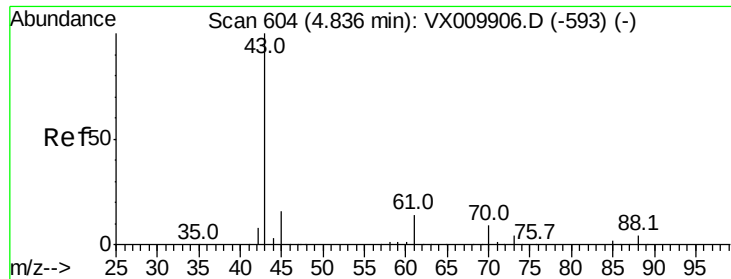
Delta R.T. -0.01 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Tgt Ion:	75	Resp:	54540
Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.7	50.1
77	31.3	25.0	37.4





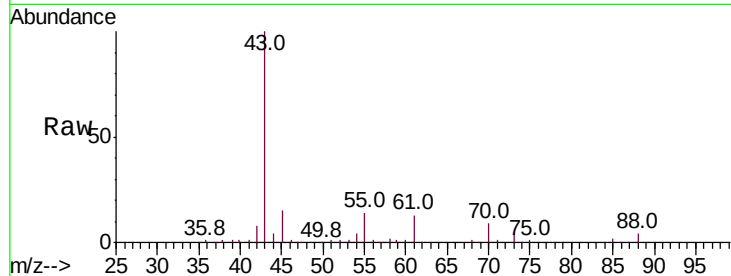
#37
Ethyl Acetate
Concen: 19.993 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX0528WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.2	15.2
70	9.5	7.4	11.2

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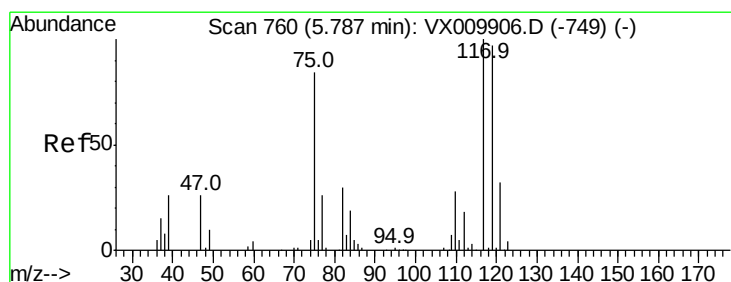
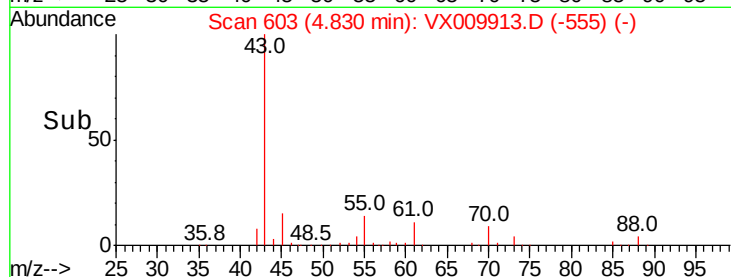
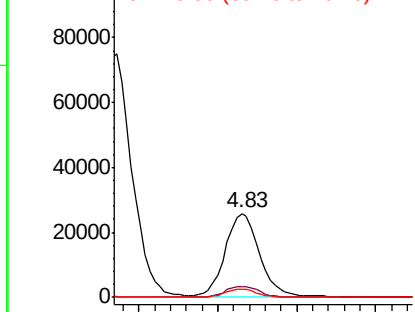


Abundance

Ion 43.00 (42.70 to 43.70): VX0

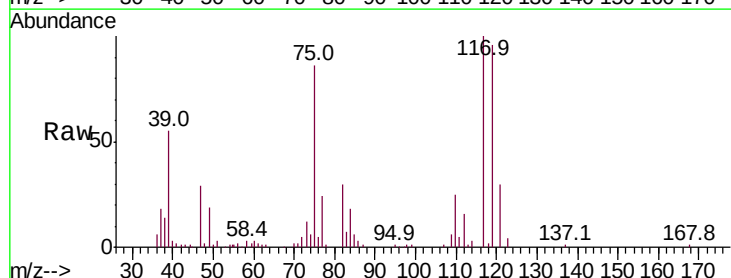
Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38
Carbon Tetrachloride
Concen: 19.955 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	77.3	115.9
121	30.4	25.4	38.0

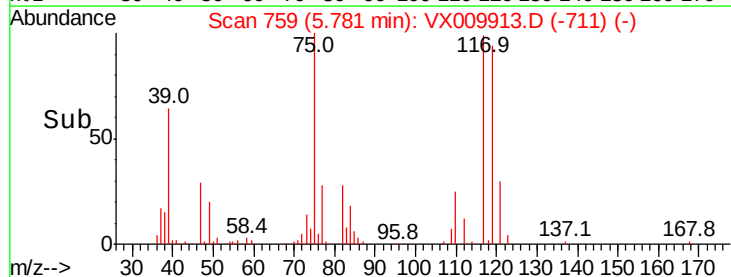
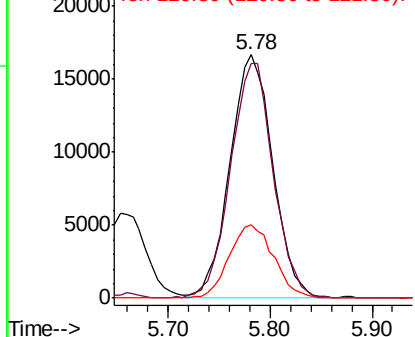


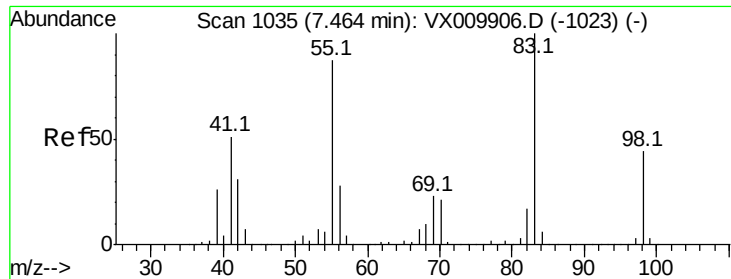
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





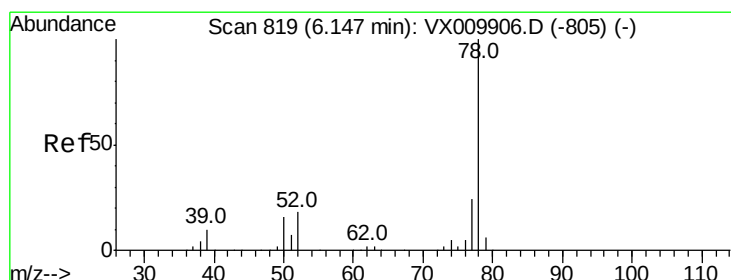
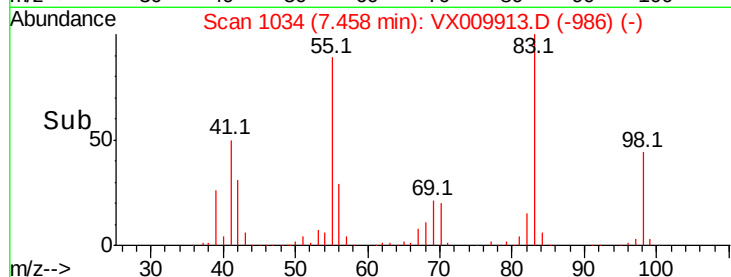
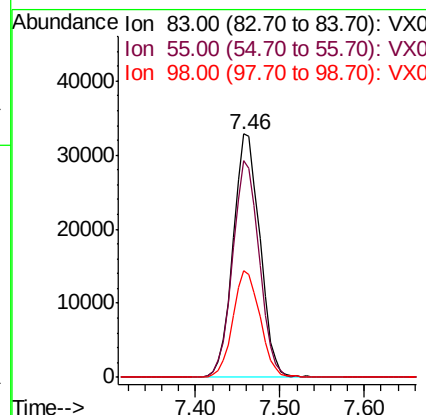
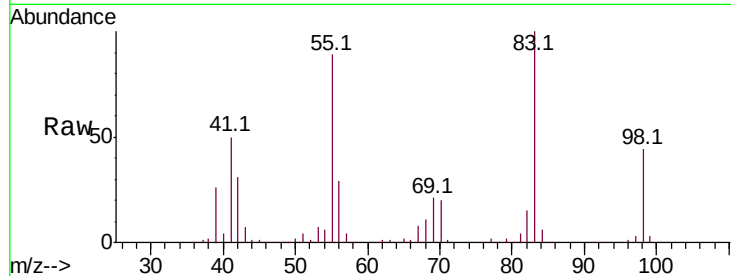
#39
Methylvlcyclohexane
Concen: 21.448 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX0528WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.1	69.9	104.9
98	43.6	35.1	52.7

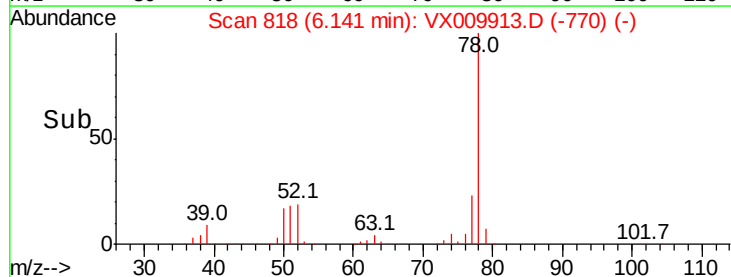
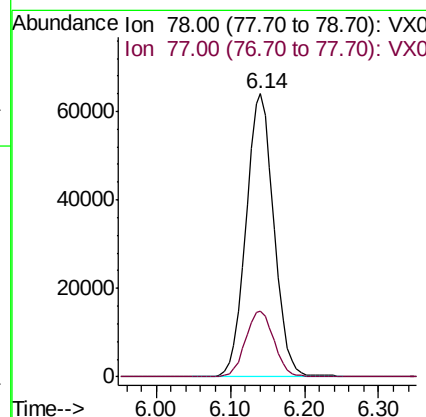
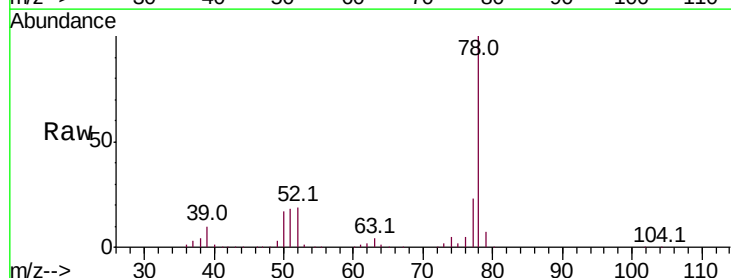
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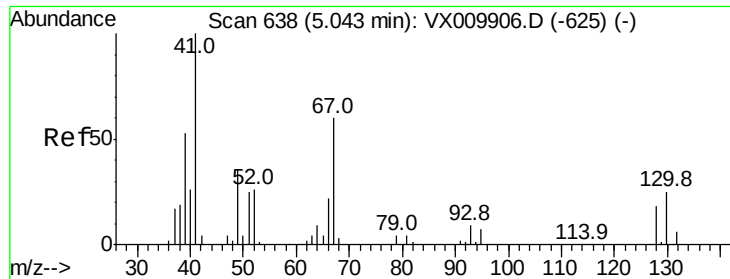
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#40
Benzene
Concen: 20.238 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.2	28.8





#41

Methacrylonitrile

Concen: 18.689 ug/l

RT: 5.04 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

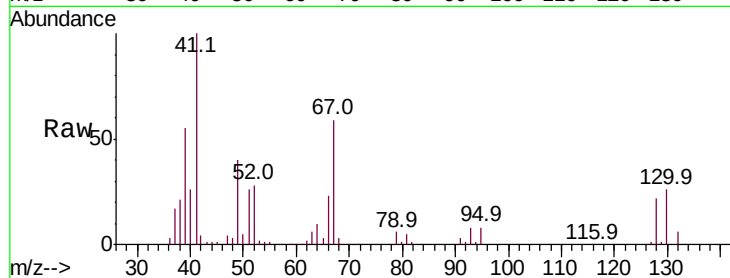
ClientSampleId :

VX0528WBS01

Tot Ion:	41	Resp:	42537
Ion	Ratio	Lower	Upper
41	100		
39	56.1	42.2	63.4
67	63.4	48.9	73.3
52	26.6	20.1	30.1

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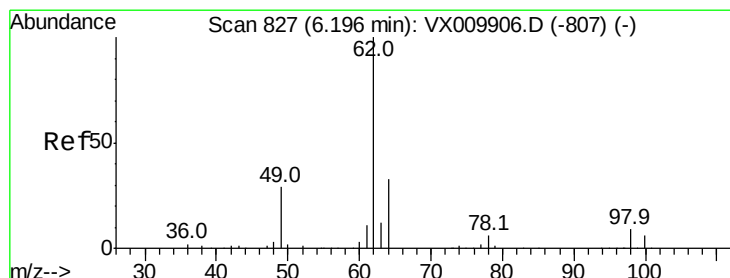
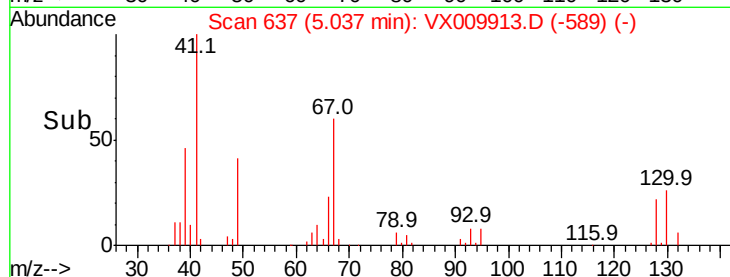
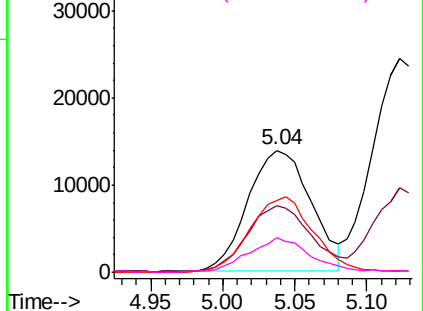


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 19.790 ug/l

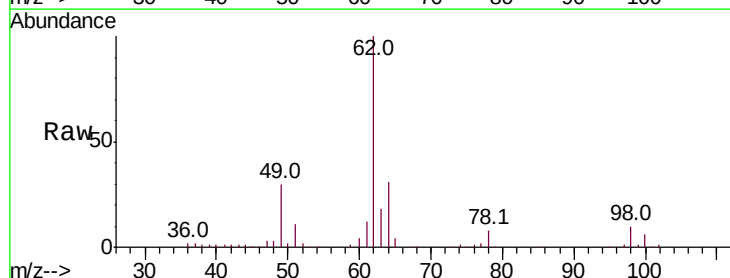
RT: 6.19 min Scan# 826

Delta R.T. -0.01 min

Lab File: VX009913.D

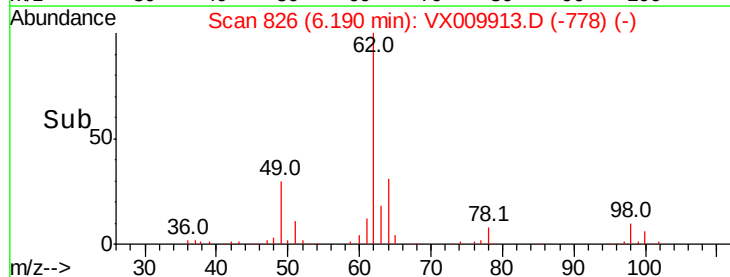
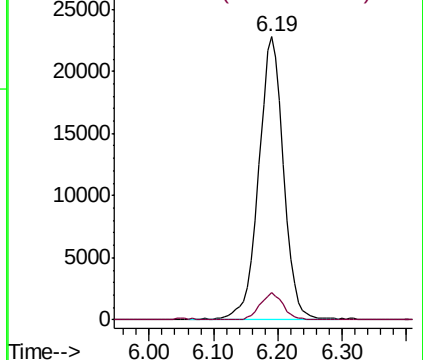
Acq: 28 May 2019 14:36

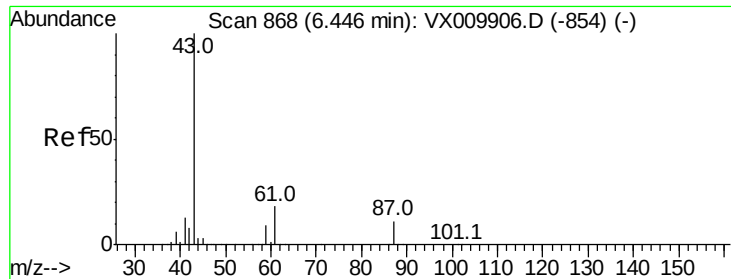
Tgt Ion:	62	Resp:	60671
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 19.348 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

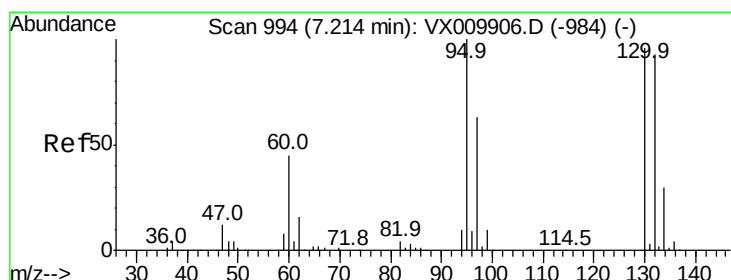
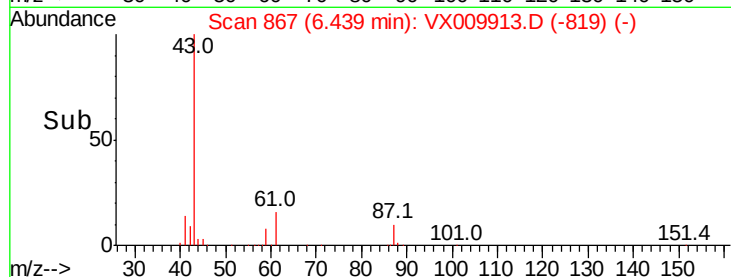
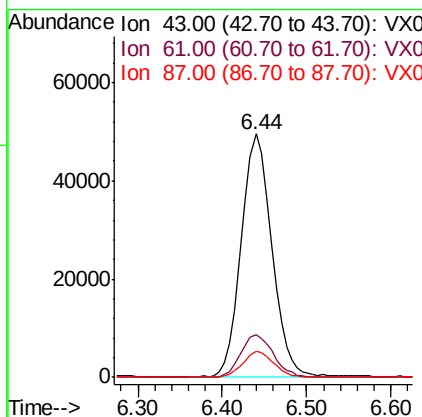
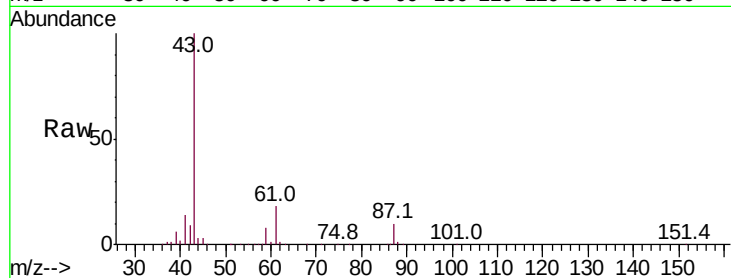
ClientSampleId :

VX0528WBS01

Tot Ion:	43	Resp:	121602
Ion	Ratio	Lower	Upper
43	100		
61	18.7	14.6	21.8
87	10.8	8.7	13.1

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#44

Trichloroethene

Concen: 19.624 ug/l

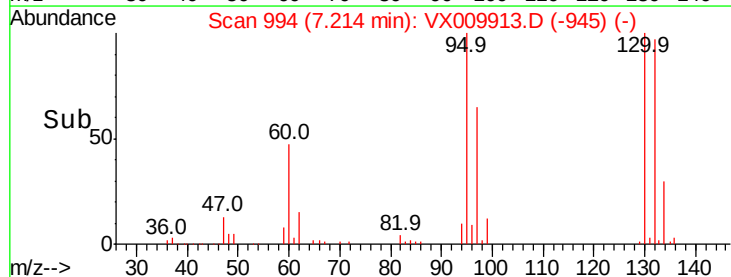
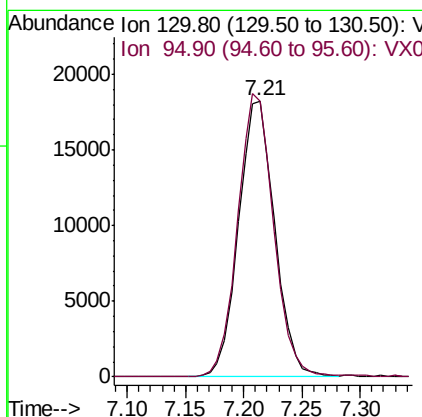
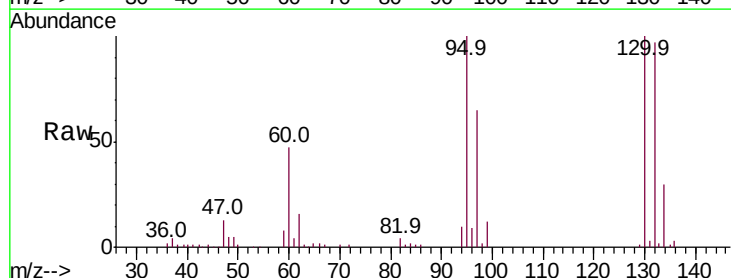
RT: 7.21 min Scan# 994

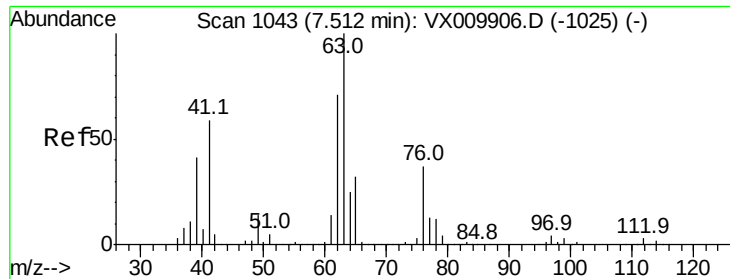
Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Tgt Ion:	130	Resp:	39529
Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	207.4





#45

1,2-Dichloropropane

Concen: 19.826 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

ClientSampled :

VX0528WBS01

Tot Ion: 63 Resp: 47328

Ion Ratio Lower Upper

63 100

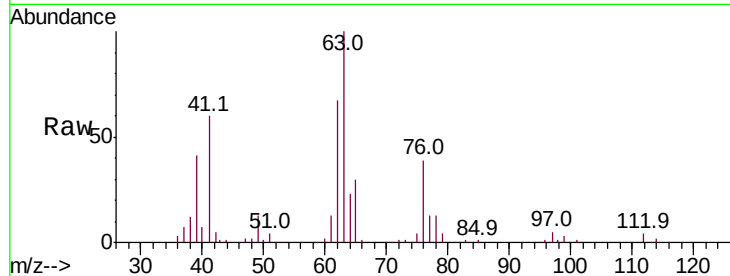
65 30.4 25.7 38.5

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

25000

20000

15000

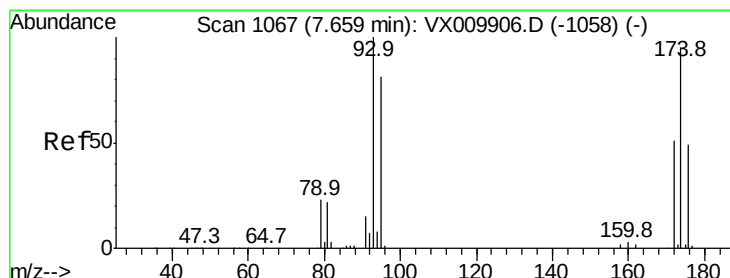
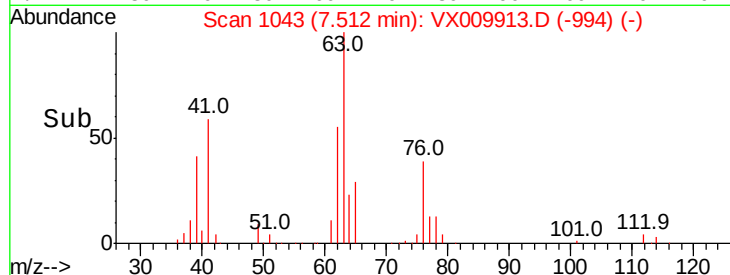
10000

5000

0

Time-->

7.40 7.50 7.60



#46

Dibromomethane

Concen: 19.221 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

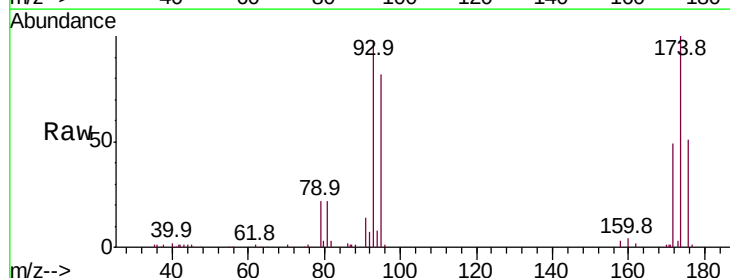
Tgt Ion: 93 Resp: 27008

Ion Ratio Lower Upper

93 100

95 84.0 66.8 100.2

174 103.7 81.9 122.9



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

20000

15000

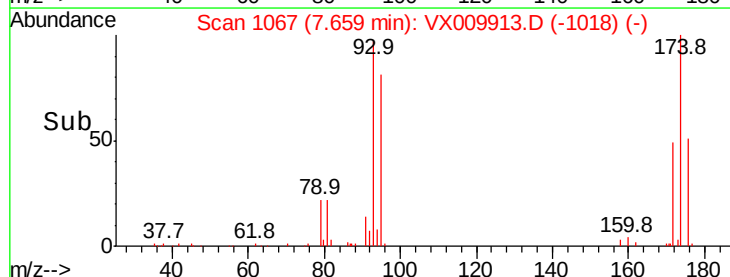
10000

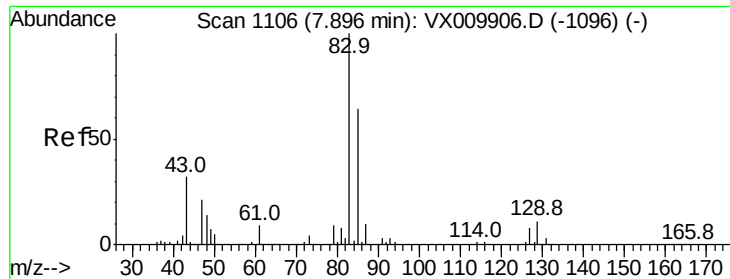
5000

0

Time-->

7.60 7.70 7.80





#47

Bromodichloromethane

Concen: 20.301 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

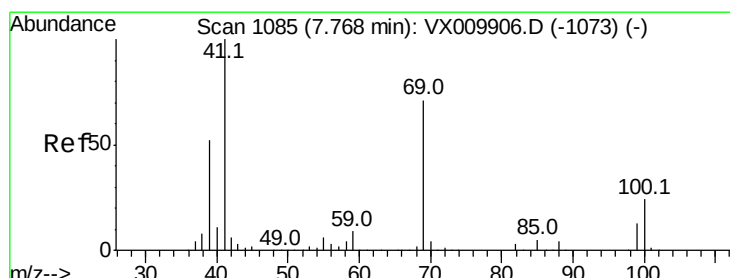
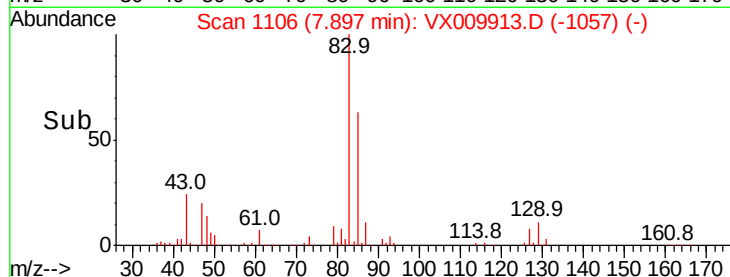
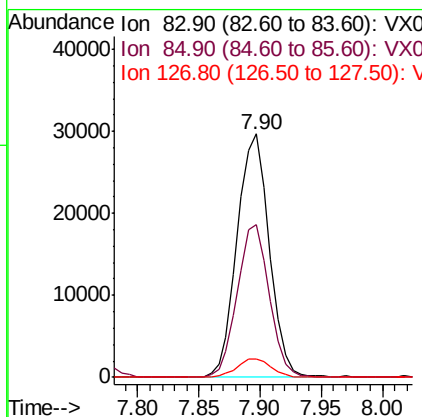
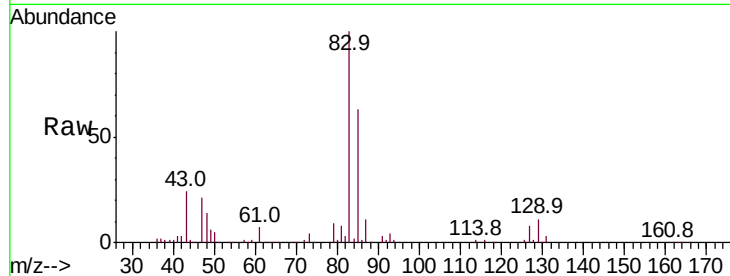
ClientSampleId :

VX0528WBS01

Tot Ion:	83	Resp:	54246
Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.4	77.2
127	7.7	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.849 ug/l

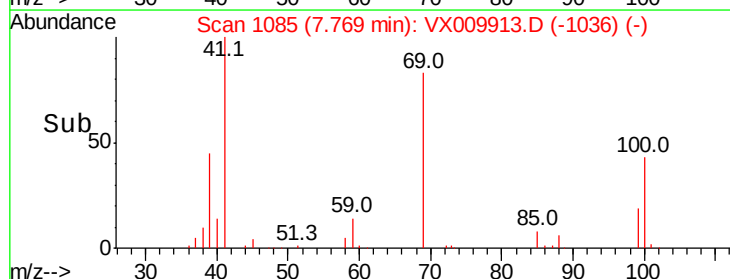
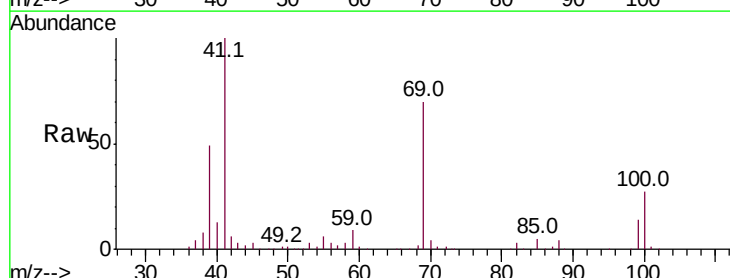
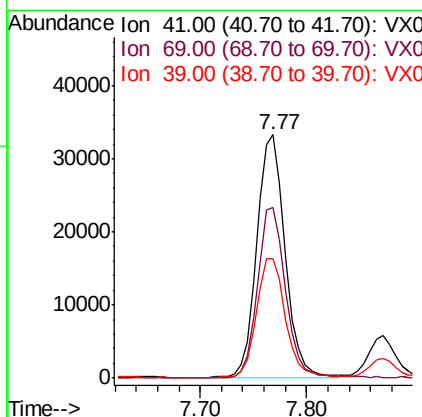
RT: 7.77 min Scan# 1085

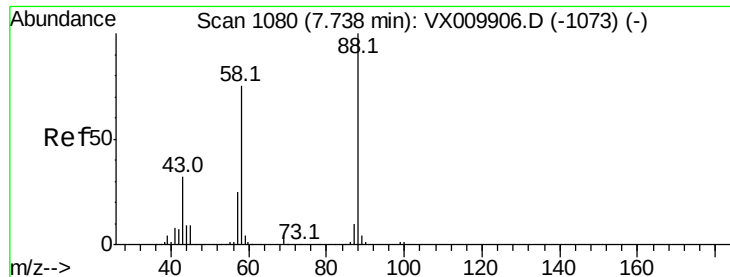
Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Tgt Ion:	41	Resp:	61755
Ion	Ratio	Lower	Upper
41	100		
69	70.8	56.4	84.6
39	50.7	40.6	60.8





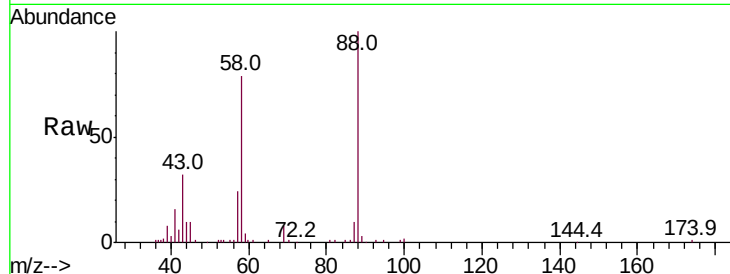
#49
1,4-Dioxane
Concen: 401.795 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX0528WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.0	30.2	45.4
58	82.3	64.0	96.0

Manual Integrations
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Abundance

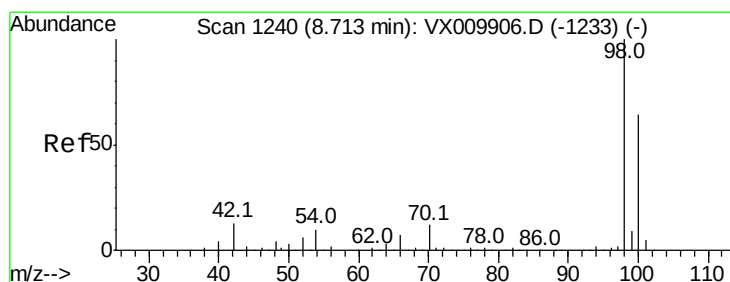
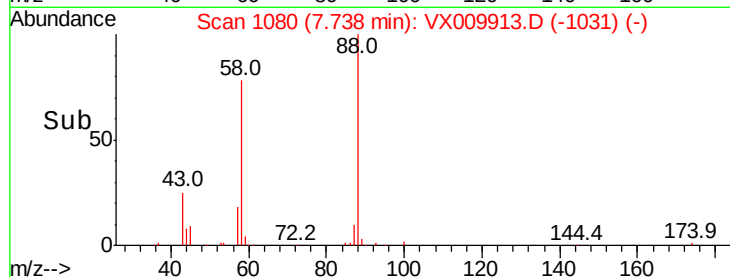
Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

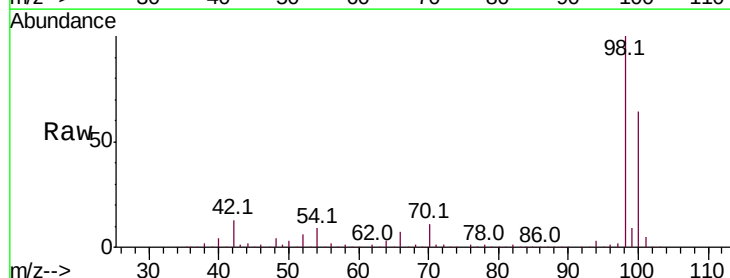
7.74

Time-->



#50
Toluene-d8
Concen: 49.704 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.5	77.3



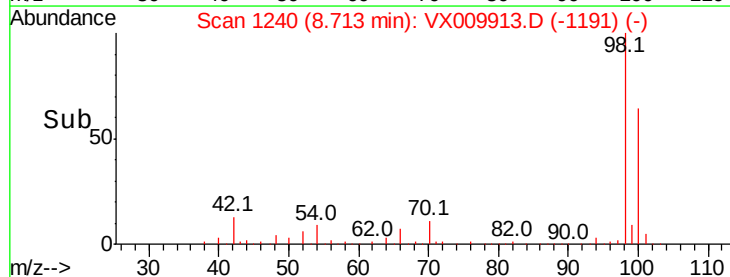
Abundance

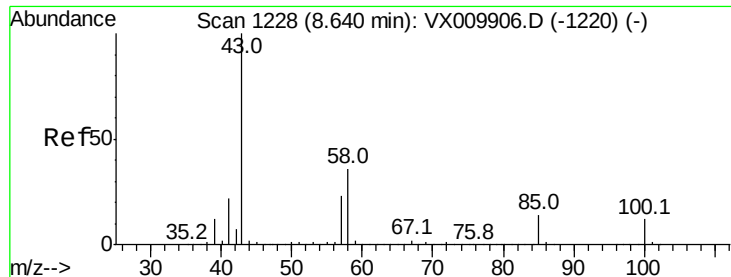
Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

Time-->





#51

4-Methyl-2-Pentanone

Concen: 98.545 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX0528WBS01

Tot Ion: 43 Resp: 402898

Ion Ratio Lower Upper

43 100

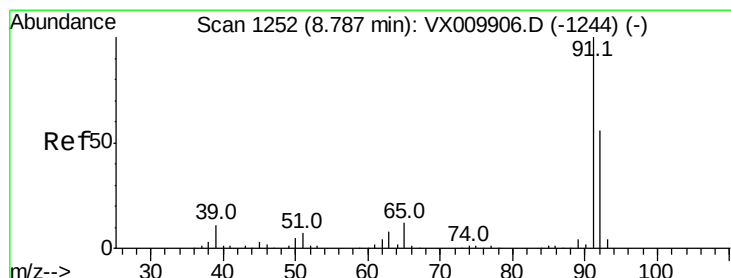
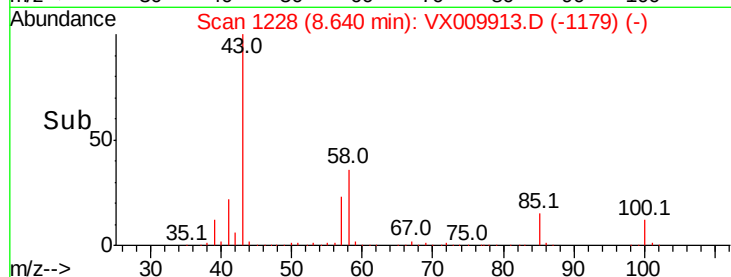
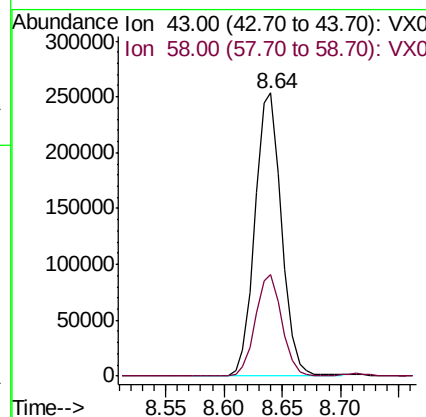
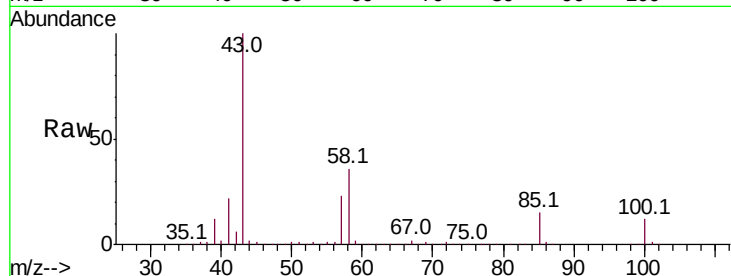
58 35.7 28.8 43.2

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#52

Toluene

Concen: 20.378 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009913.D

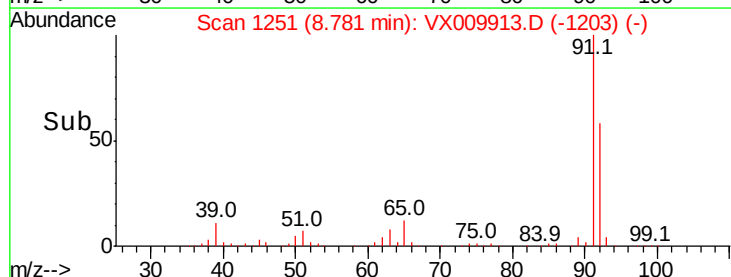
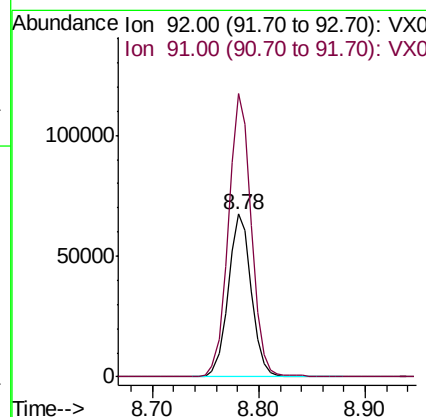
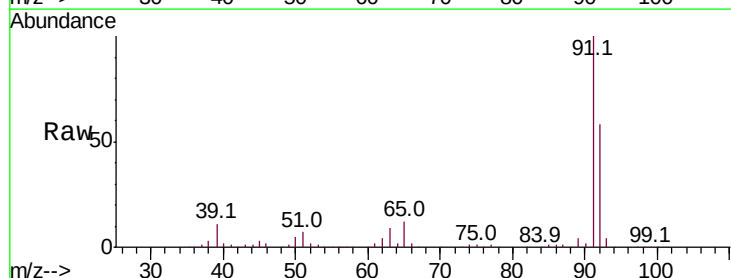
Acq: 28 May 2019 14:36

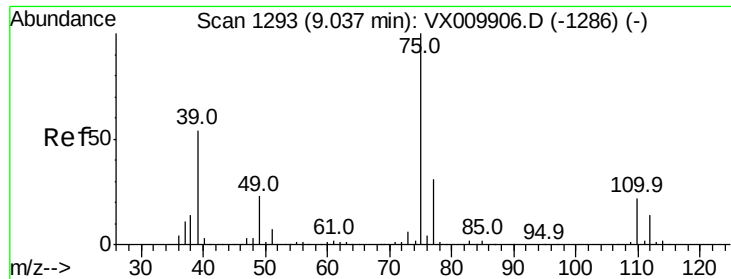
Tgt Ion: 92 Resp: 102601

Ion Ratio Lower Upper

92 100

91 172.9 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 19.300 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX0528WBS01

Tot Ion: 75 Resp: 61848

Ion Ratio Lower Upper

75 100

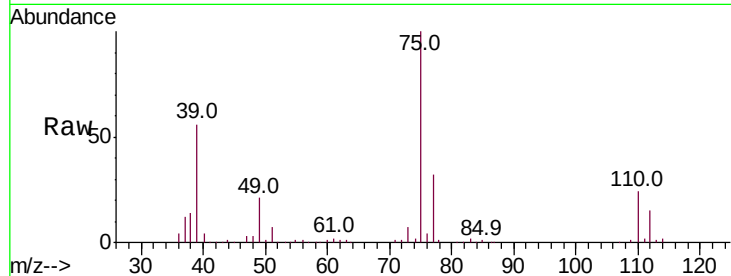
77 31.5 24.6 36.8

Manual Integrations

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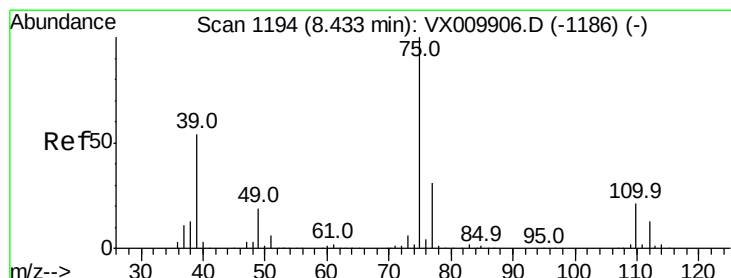
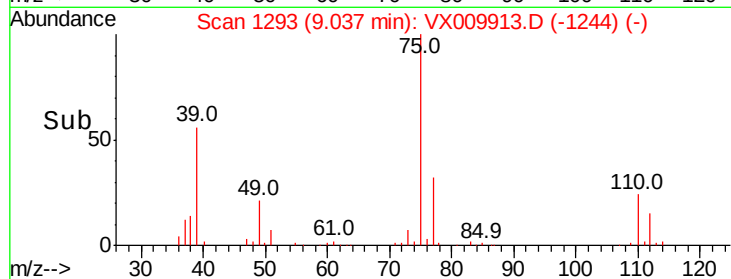
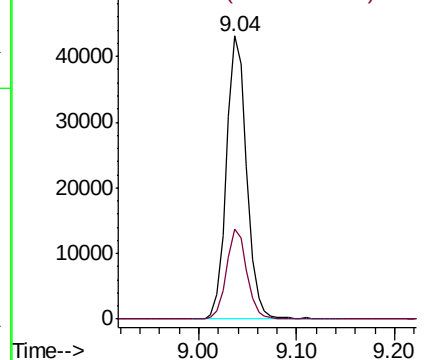
MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 19.678 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

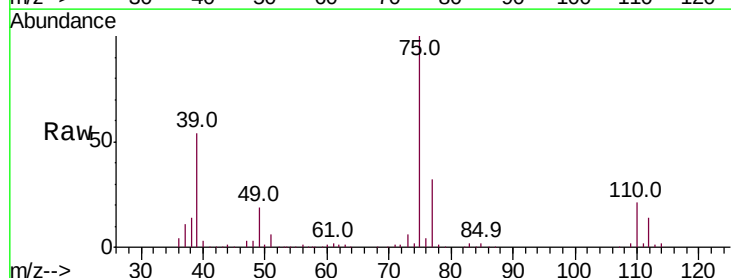
Tgt Ion: 75 Resp: 68707

Ion Ratio Lower Upper

75 100

77 32.3 24.8 37.2

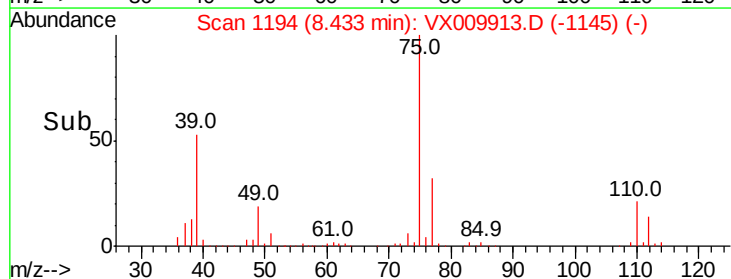
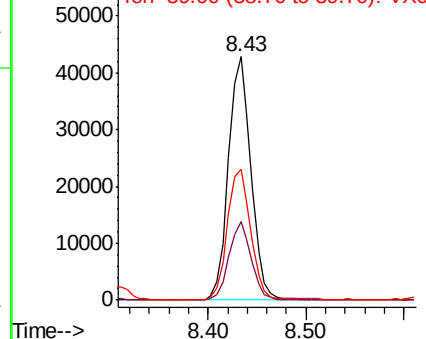
39 53.5 43.4 65.0

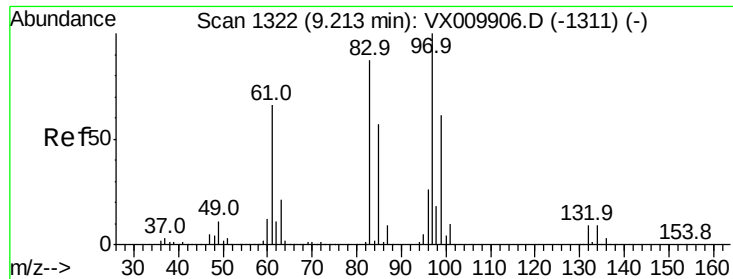


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





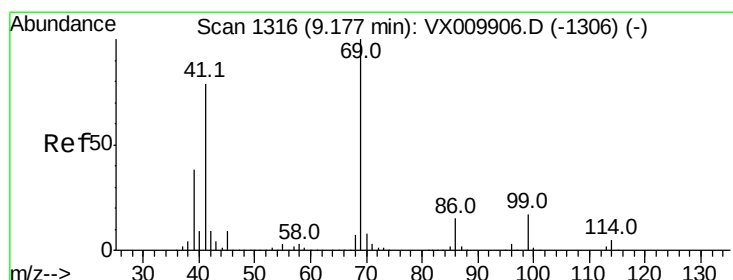
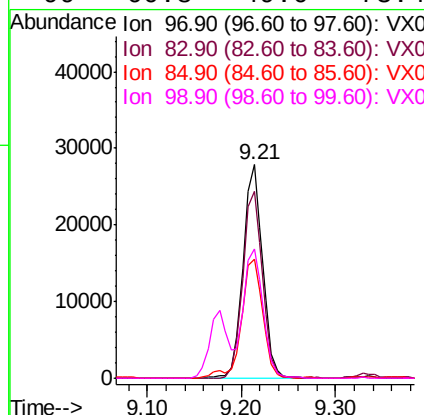
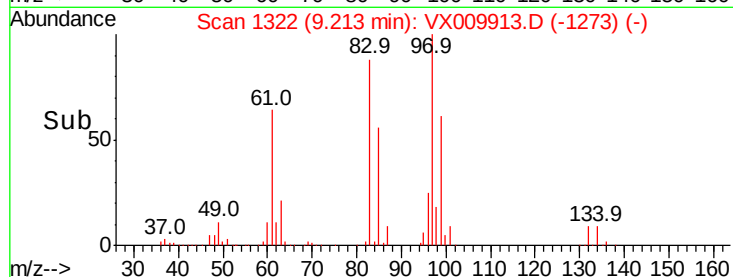
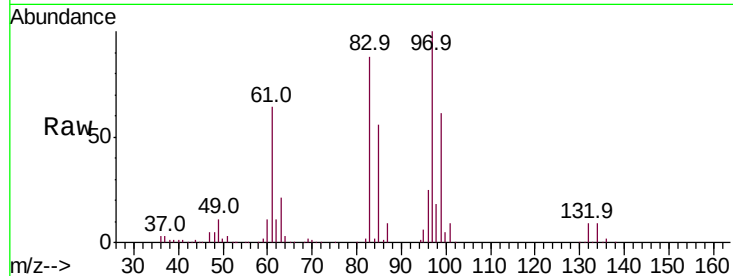
#55
 1,1,2-Trichloroethane
 Concen: 19.818 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009913.D
 Acq: 28 May 2019 14:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0528WBS01

Tot Ion:	97	Resp:	40161
Ion	Ratio	Lower	Upper
97	100		
83	87.7	69.8	104.8
85	55.5	45.3	67.9
99	60.8	49.0	73.4

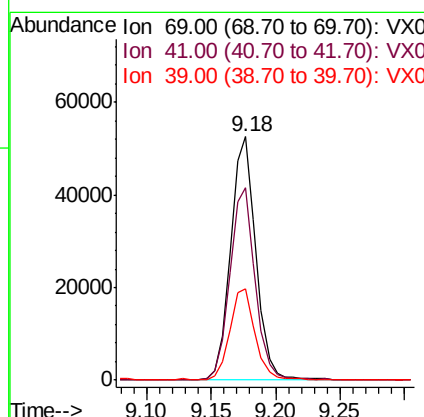
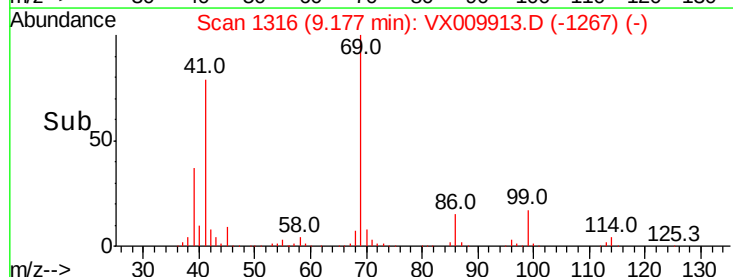
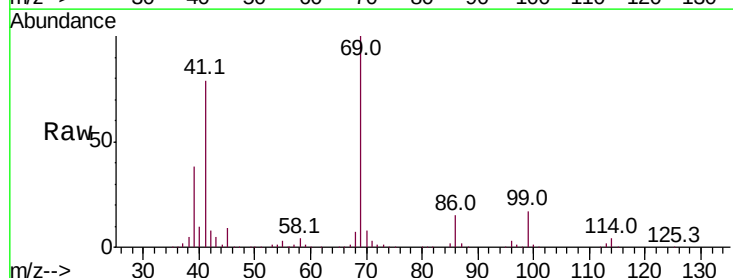
Manual Integrations
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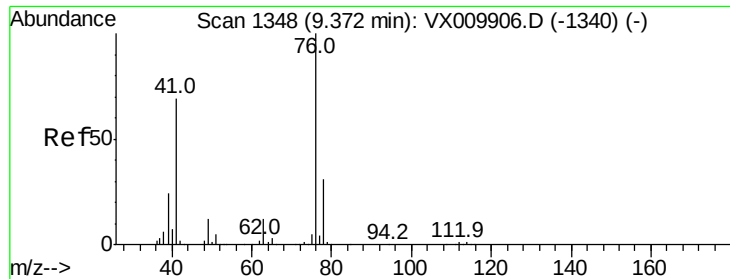
MMDadoda
 5/29/2019 9:25:13 AM



#56
 Ethyl methacrylate
 Concen: 20.030 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009913.D
 Acq: 28 May 2019 14:36

Tgt Ion:	69	Resp:	72264
Ion	Ratio	Lower	Upper
69	100		
41	79.2	62.7	94.1
39	37.4	29.5	44.3





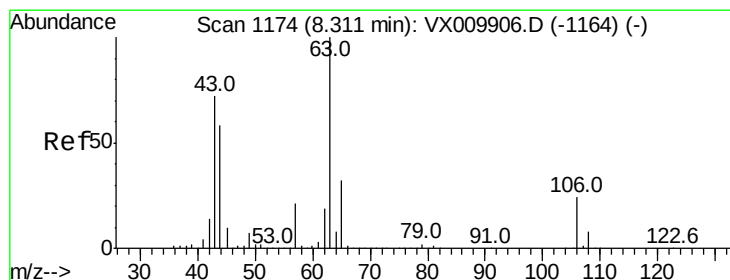
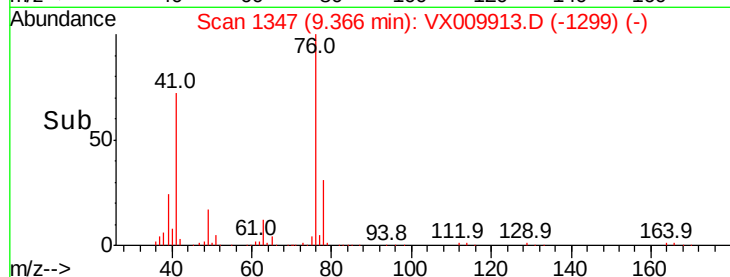
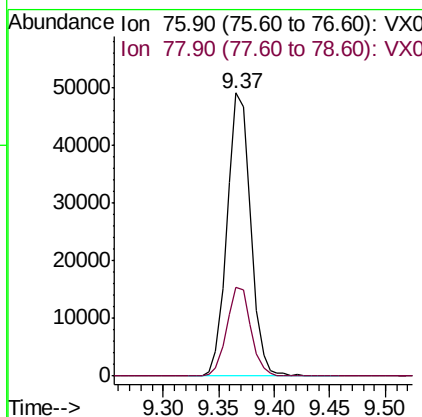
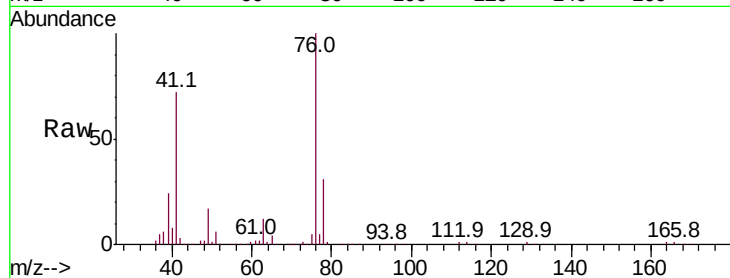
#57
 1,3-Dichloropropane
 Concen: 19.777 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VX009913.D
 Acq: 28 May 2019 14:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0528WBS01

Tot Ion: 76 Resp: 71977
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.4 38.0

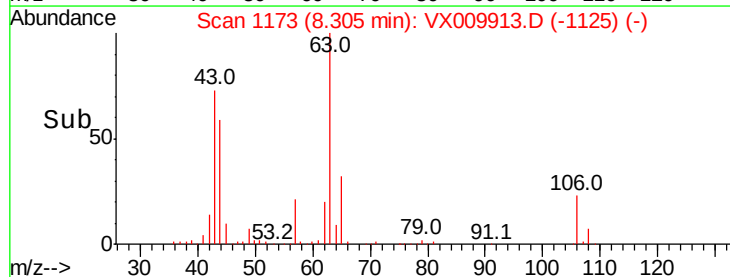
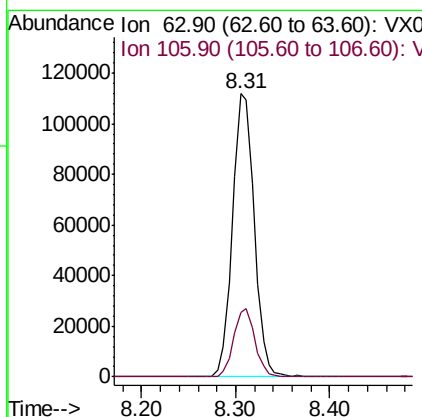
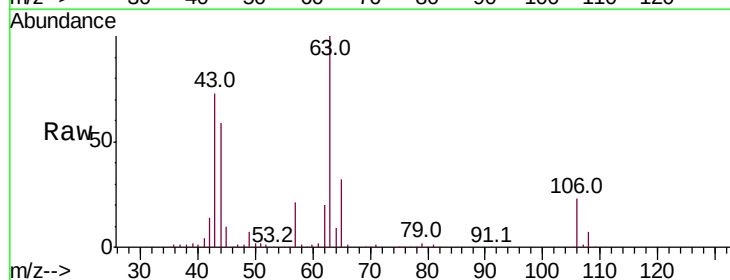
Manual Integrations
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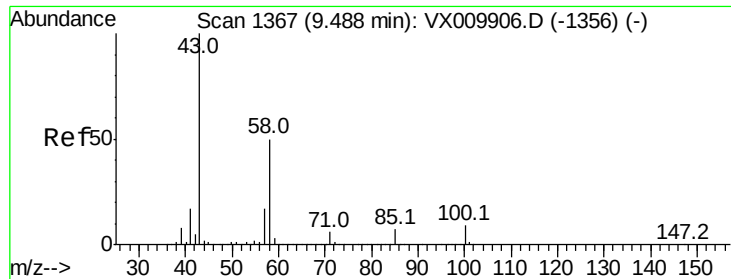
MMDadoda
 5/29/2019 9:25:13 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.709 ug/l
 RT: 8.31 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: VX009913.D
 Acq: 28 May 2019 14:36

Tgt Ion: 63 Resp: 179175
 Ion Ratio Lower Upper
 63 100
 106 23.7 19.4 29.2





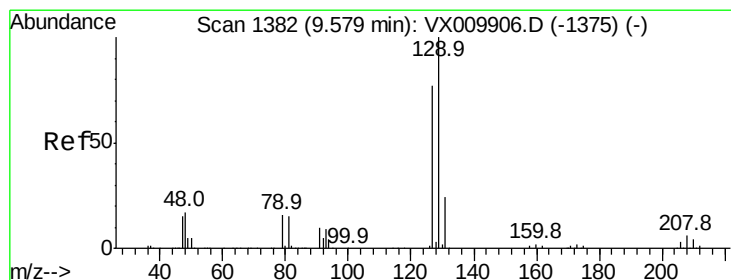
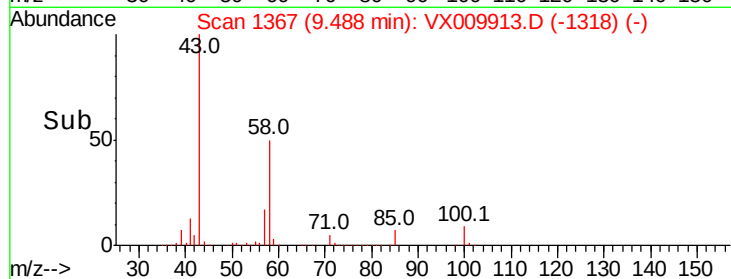
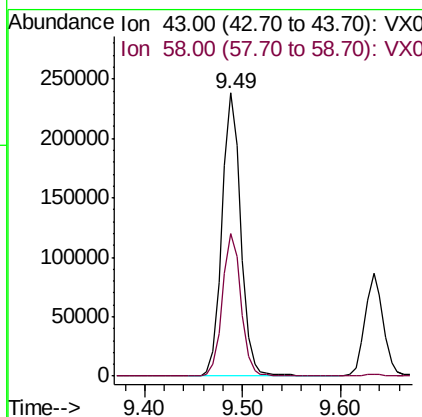
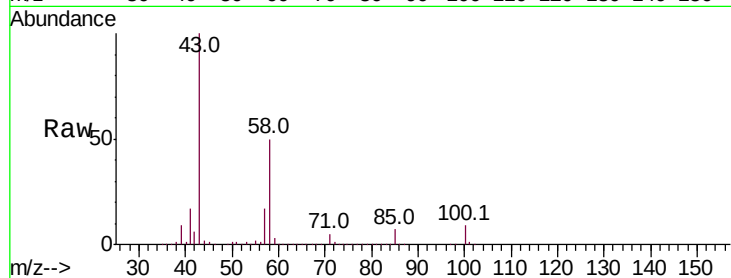
#59
2-Hexanone
Concen: 100.609 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX0528WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.1	25.1	75.3

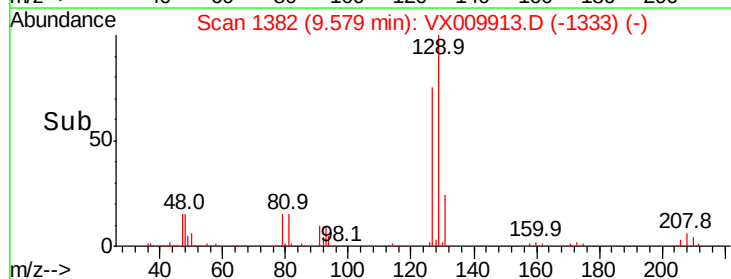
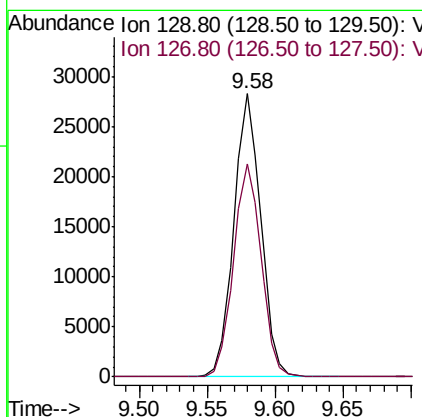
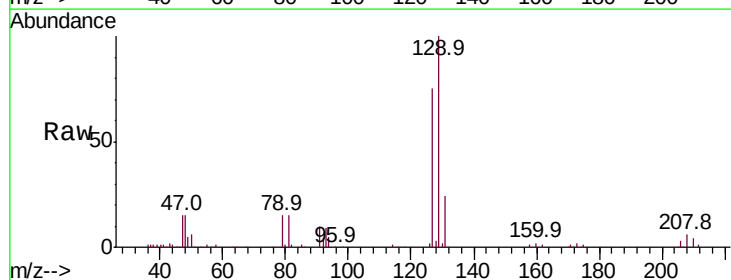
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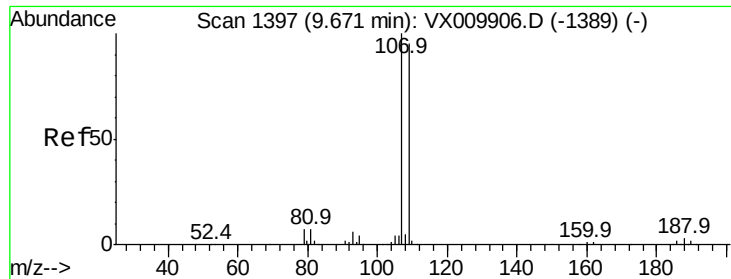
MMDadoda
5/29/2019 9:25:13 AM



#60
Dibromochloromethane
Concen: 19.609 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.5	115.5





#61

1,2-Dibromoethane

Concen: 19.606 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX0528WBS01

Tot Ion:107 Resp: 40818

Ion Ratio Lower Upper

107 100

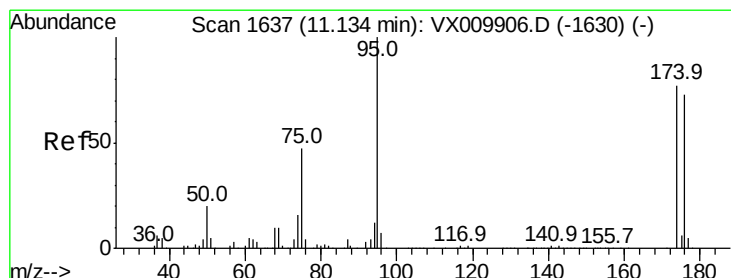
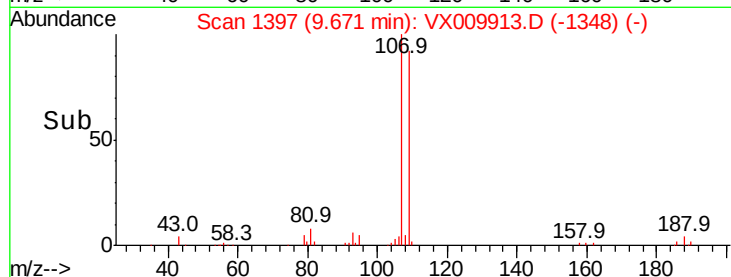
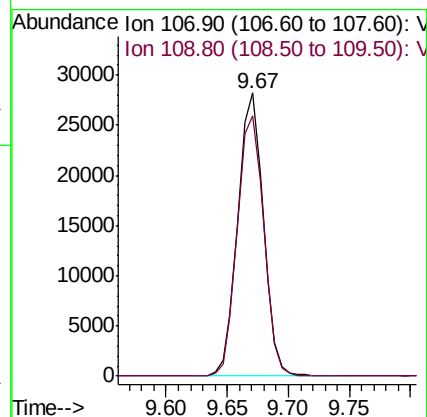
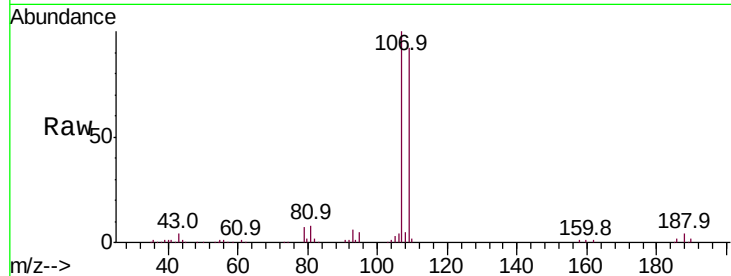
109 95.0 75.4 113.2

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MMDadoda

5/29/2019 9:25:13 AM



#62

4-Bromofluorobenzene

Concen: 49.826 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

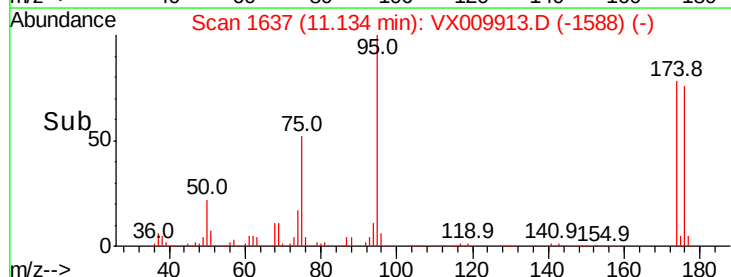
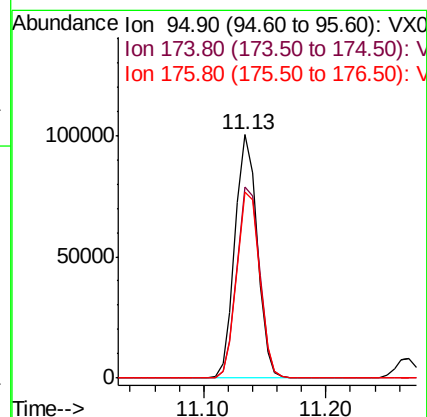
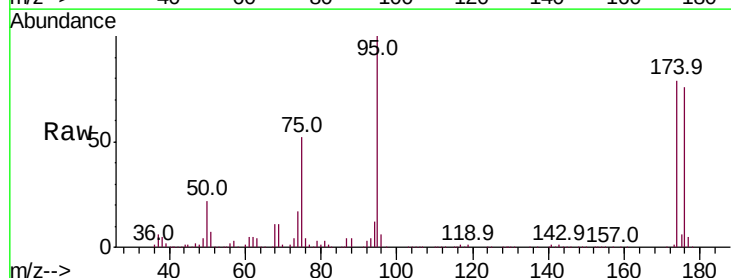
Tgt Ion: 95 Resp: 125887

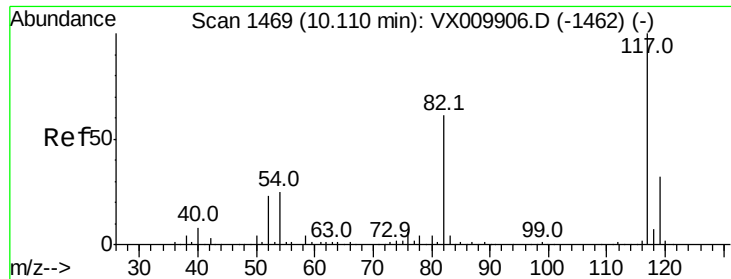
Ion Ratio Lower Upper

95 100

174 81.0 0.0 160.4

176 78.6 0.0 154.6





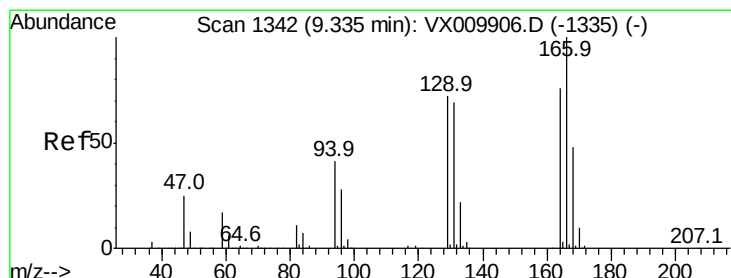
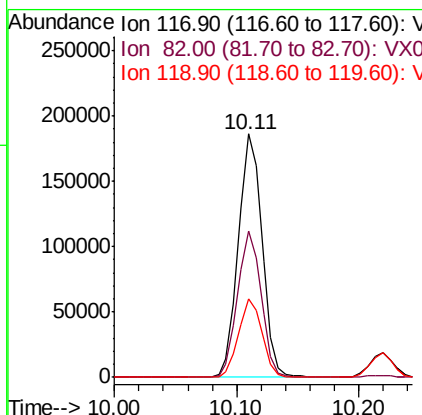
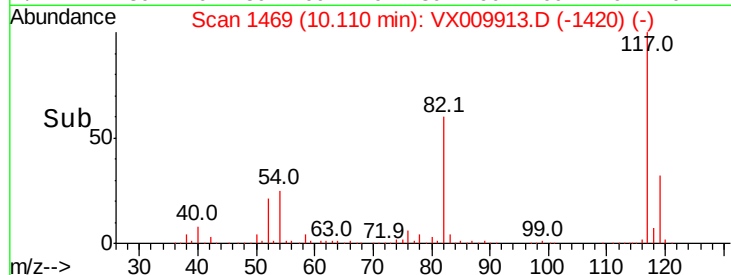
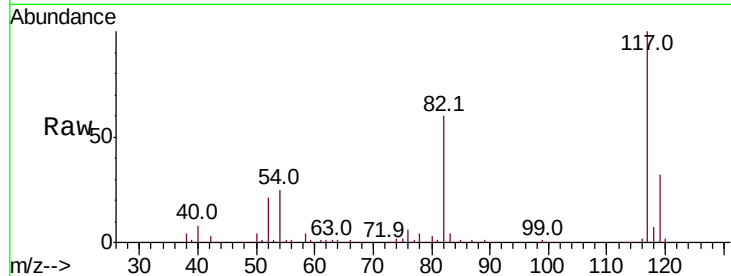
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX0528WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.1	49.2	73.8
119	32.2	25.2	37.8

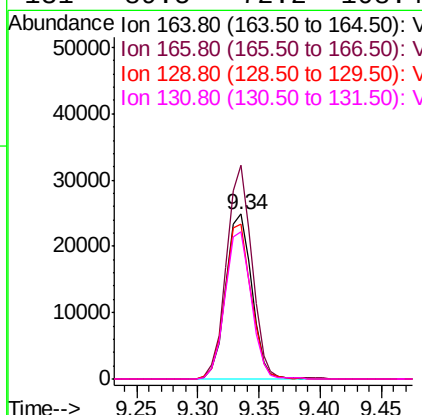
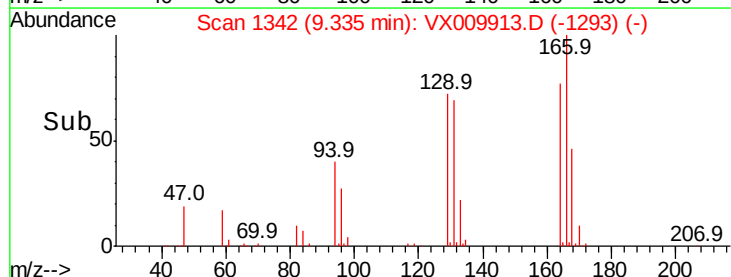
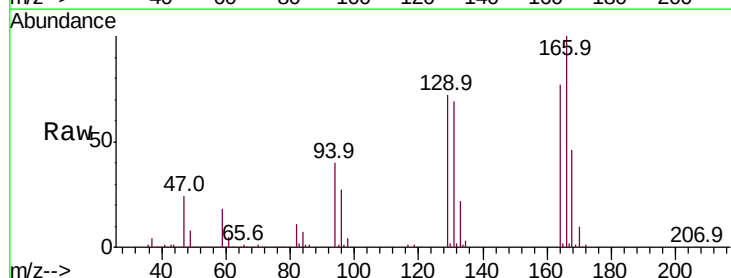
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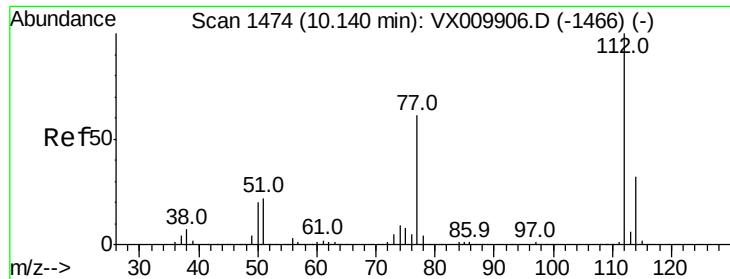
MMDadoda
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#64
Tetrachloroethene
Concen: 21.002 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.5	105.0	157.4
129	93.8	75.1	112.7
131	89.5	72.2	108.4





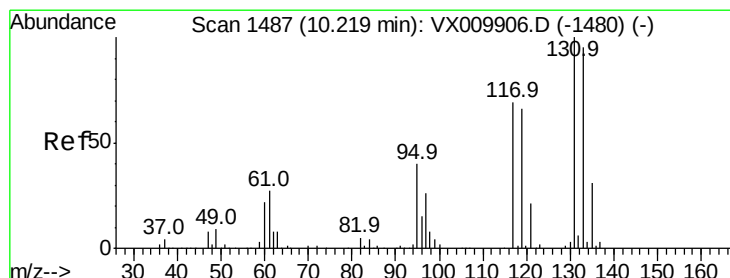
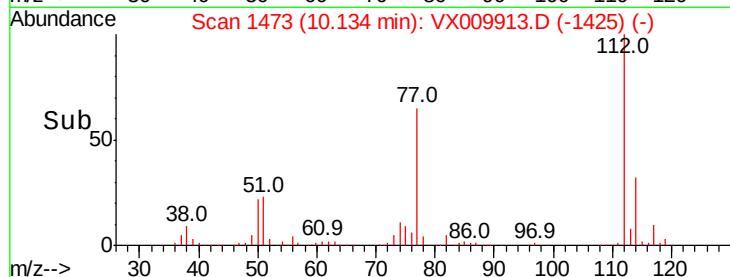
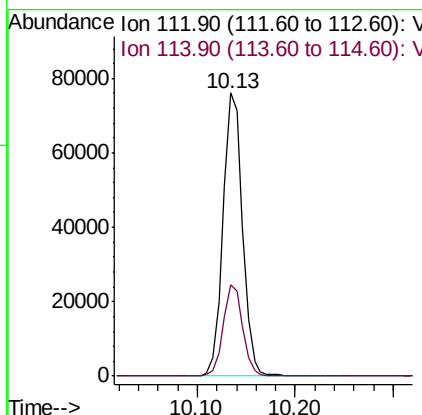
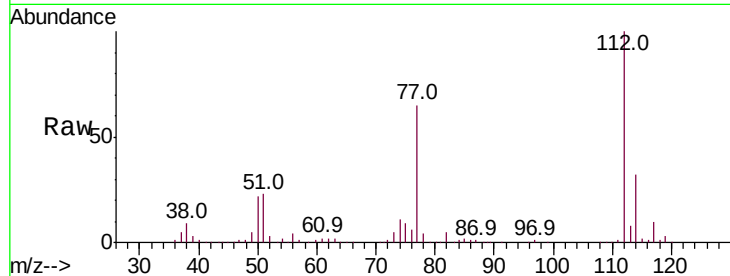
#65
Chlorobenzene
Concen: 20.115 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX0528WBS01

Tot Ion:112 Resp: 105131
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.8

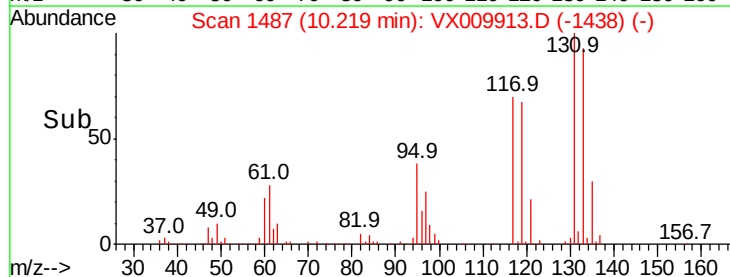
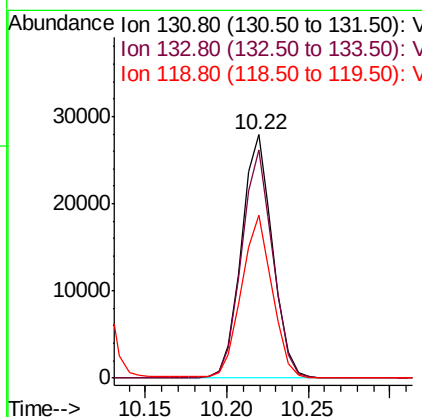
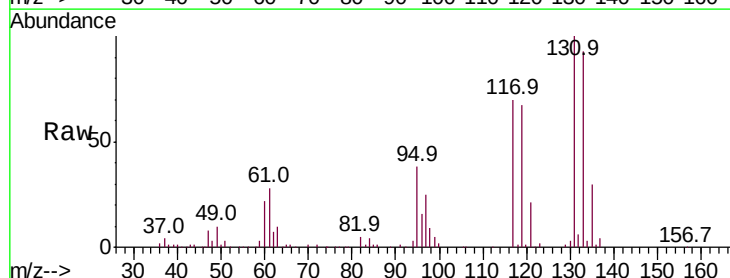
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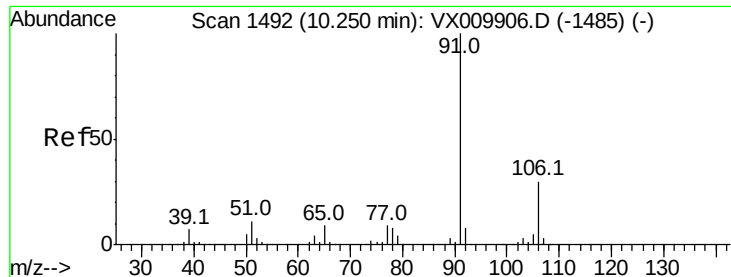
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.420 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

Tgt Ion:131 Resp: 37016
Ion Ratio Lower Upper
131 100
133 93.9 47.5 142.6
119 66.5 33.4 100.1





#67

Ethyl Benzene

Concen: 20.906 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

ClientSampled :

VX0528WBS01

Tot Ion: 91 Resp: 196190

Ion Ratio Lower Upper

91 100

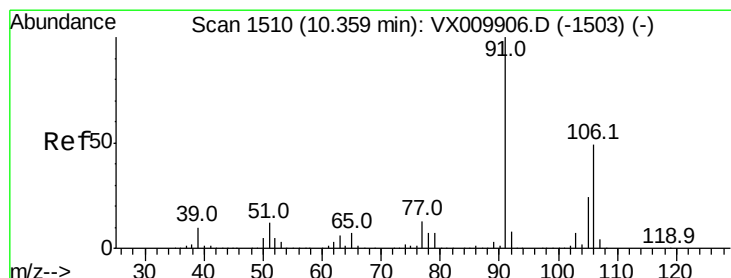
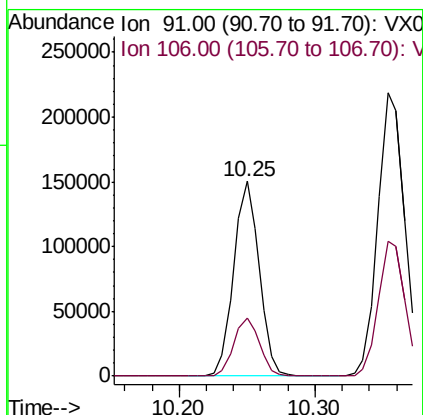
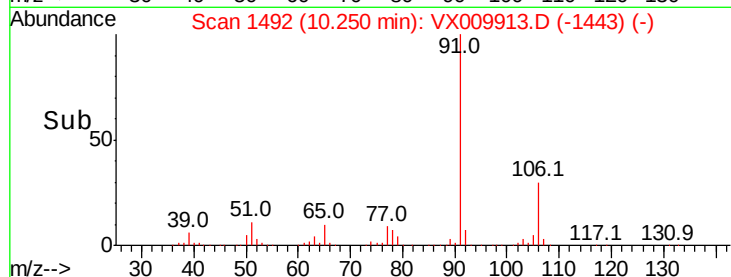
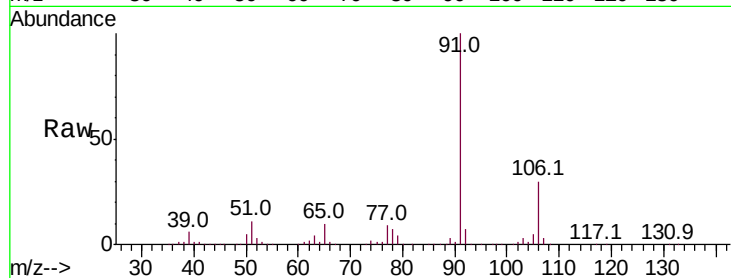
106 29.6 23.9 35.9

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5/29/2019 9:25:13 AM



#68

m/p-Xylenes

Concen: 41.131 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX009913.D

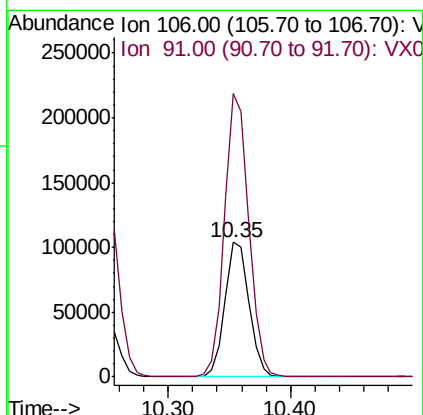
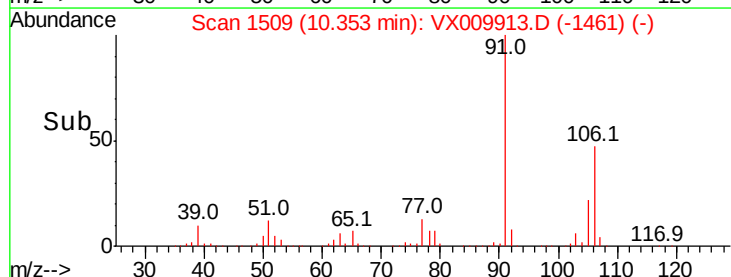
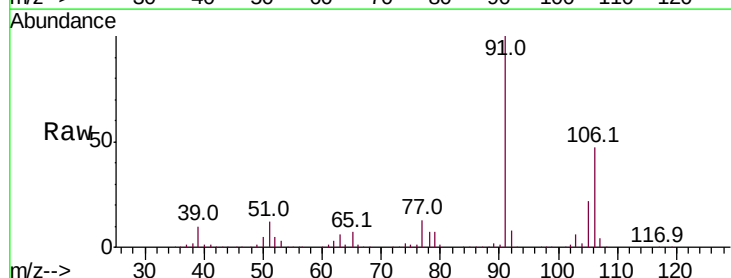
Acq: 28 May 2019 14:36

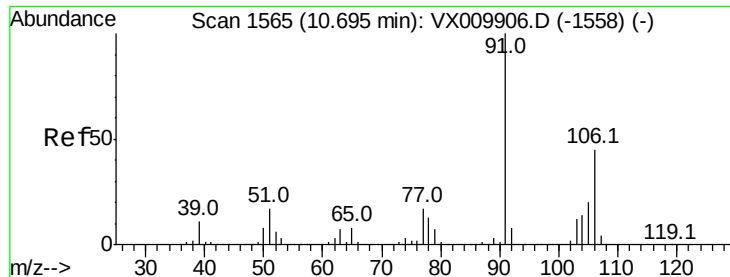
Tgt Ion: 106 Resp: 142596

Ion Ratio Lower Upper

106 100

91 209.7 167.3 250.9





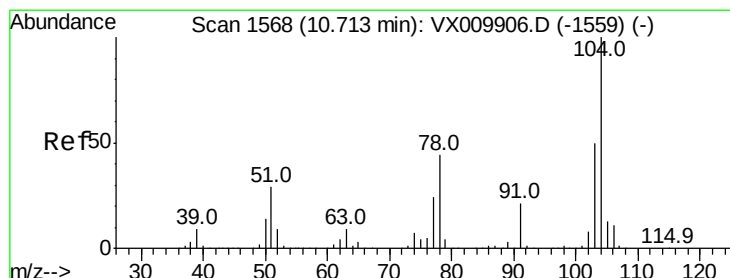
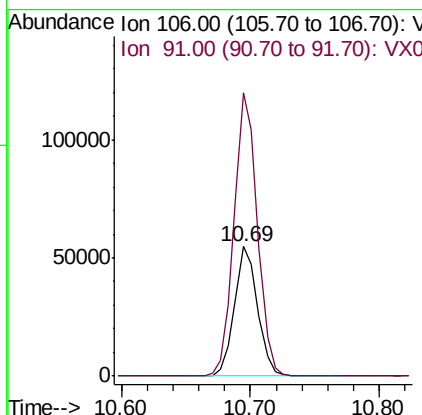
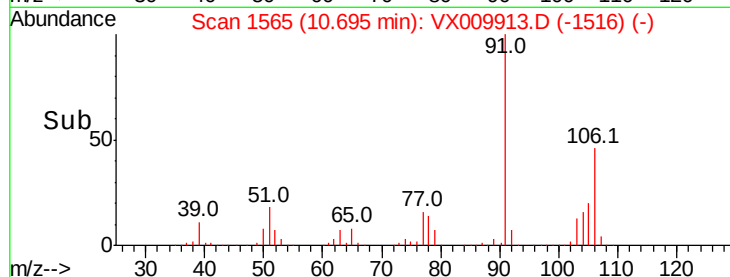
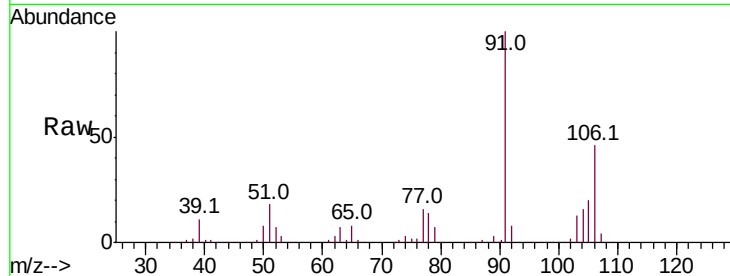
#69
o-Xylene
Concen: 20.715 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX0528WBS01

Tot Ion:106 Resp: 68876
Ion Ratio Lower Upper
106 100
91 220.6 110.4 331.2

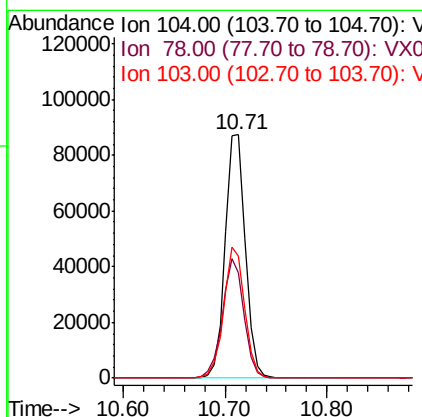
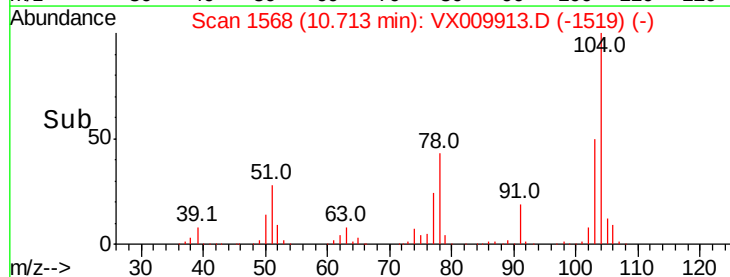
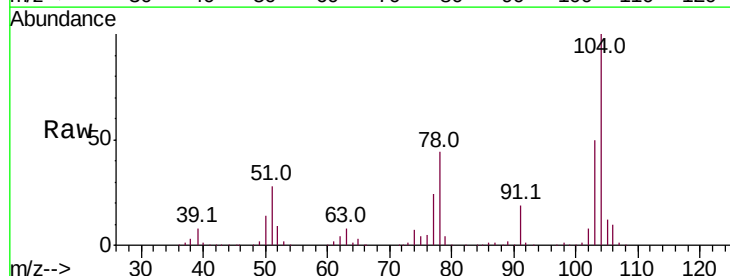
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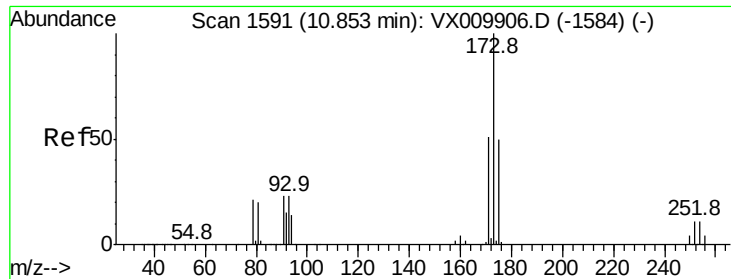
MMDadoda
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#70
Styrene
Concen: 20.595 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

Tgt Ion:104 Resp: 120071
Ion Ratio Lower Upper
104 100
78 52.4 42.1 63.1
103 55.7 44.1 66.1





#71

Bromoform

Concen: 19.897 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX0528WBS01

Tot Ion:173 Resp: 29483

Ion Ratio Lower Upper

173 100

175 48.2 25.0 75.0

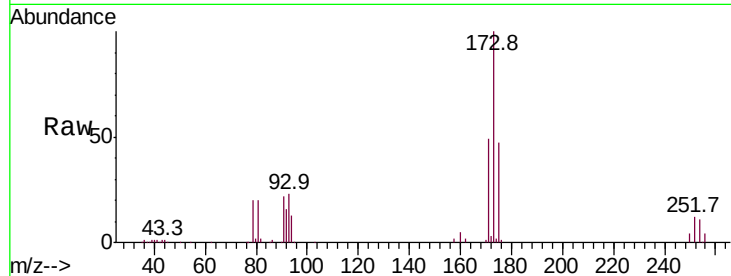
254 0.2 0.2 0.2#

Manual Integrations

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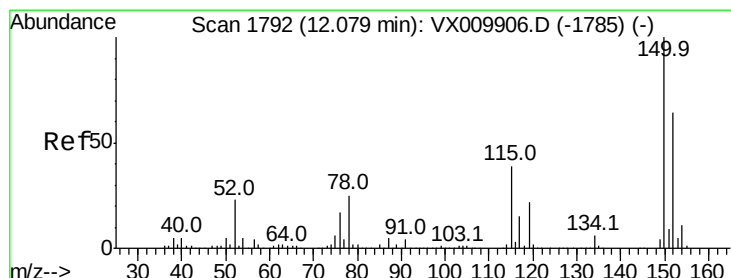
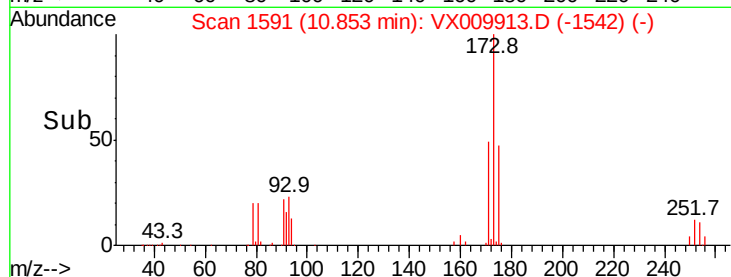
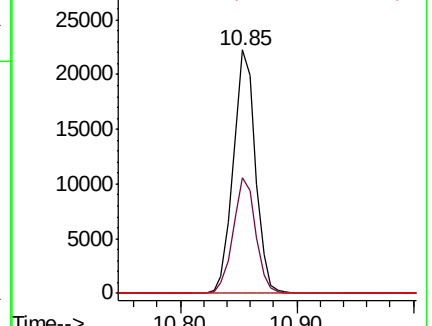
5/29/2019 9:25:13 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

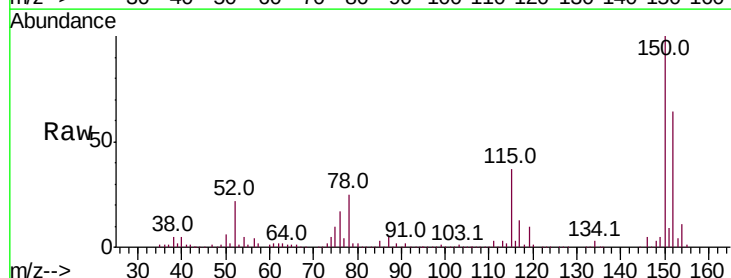
Tgt Ion:152 Resp: 122886

Ion Ratio Lower Upper

152 100

115 68.3 41.4 124.2

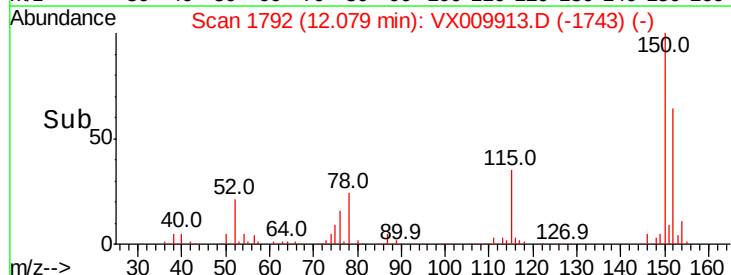
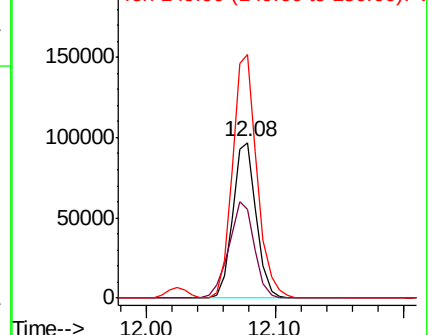
150 164.3 0.0 345.2

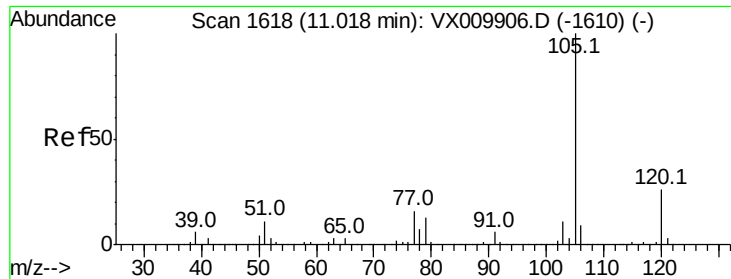


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





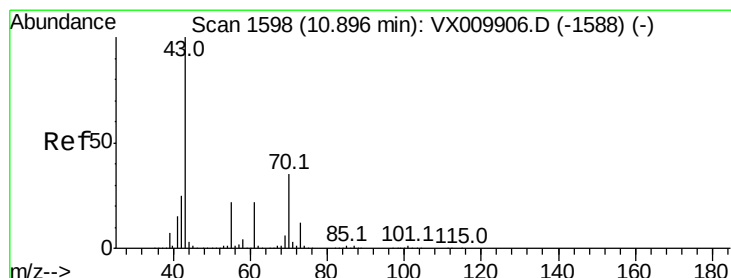
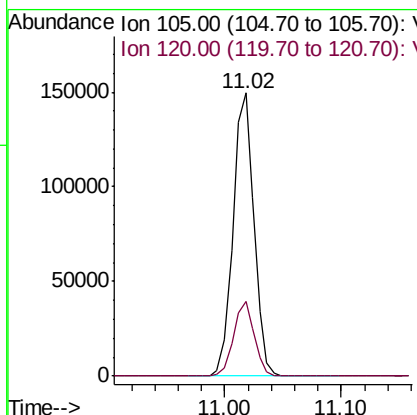
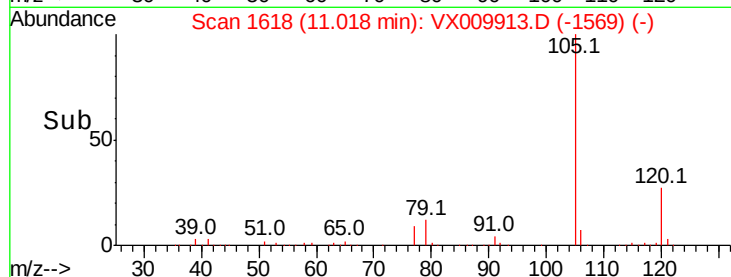
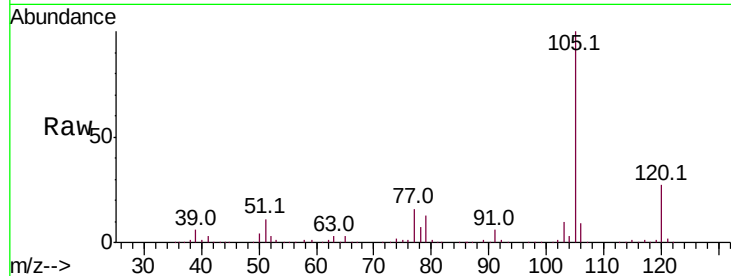
#73
Isopropylbenzene
Concen: 20.629 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX0528WBS01

Tot Ion:105 Resp: 187042
Ion Ratio Lower Upper
105 100
120 26.0 12.8 38.4

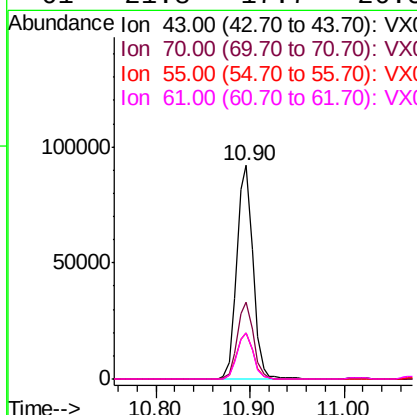
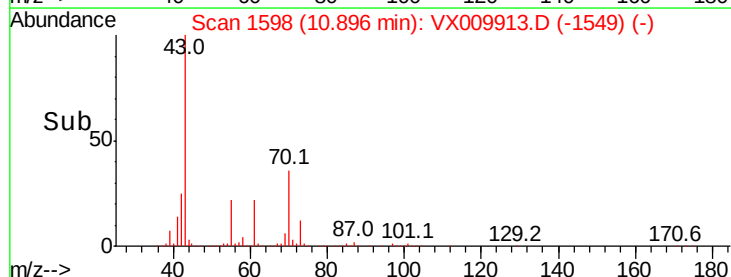
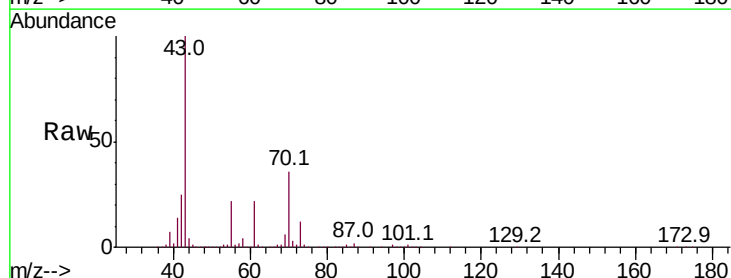
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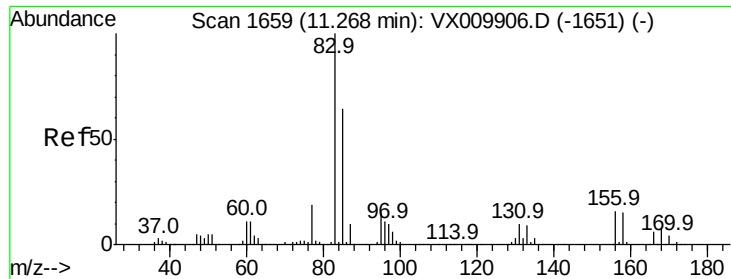
MMDadoda
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#74
N-ethyl acetate
Concen: 20.299 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

Tgt Ion: 43 Resp: 109976
Ion Ratio Lower Upper
43 100
70 35.6 28.6 43.0
55 21.9 17.8 26.8
61 21.8 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.550 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

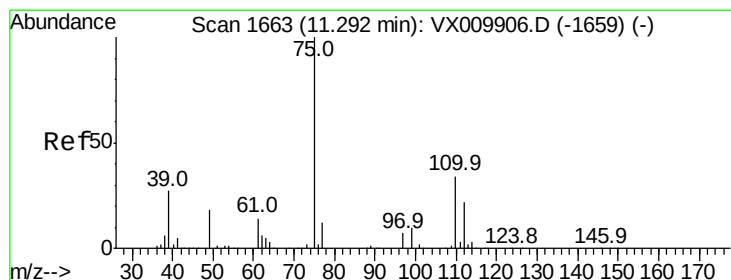
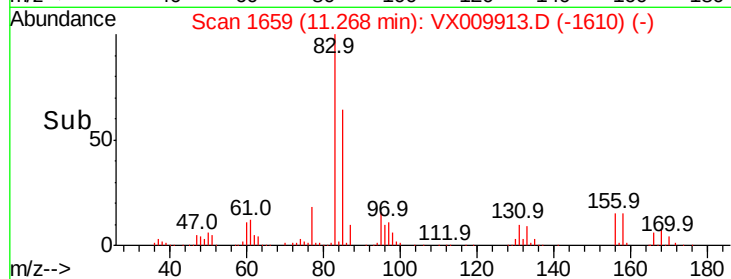
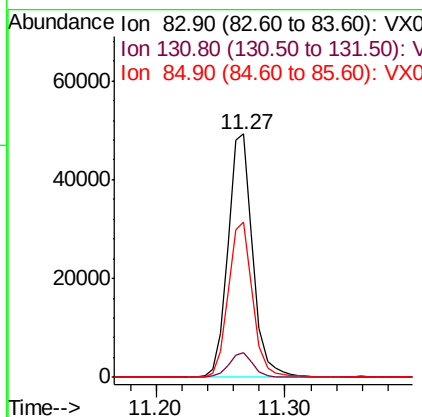
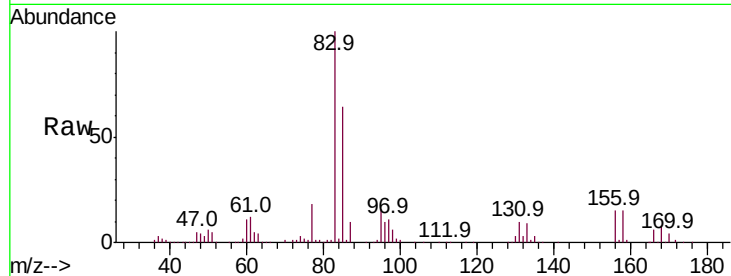
ClientSampleId :

VX0528WBS01

Tot Ion:	83	Resp:	66128
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.7	14.1
85	63.4	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 19.905 ug/l m

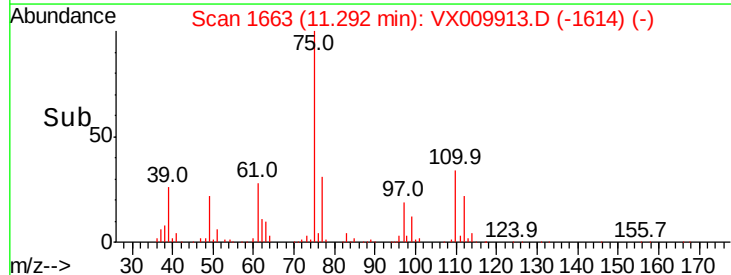
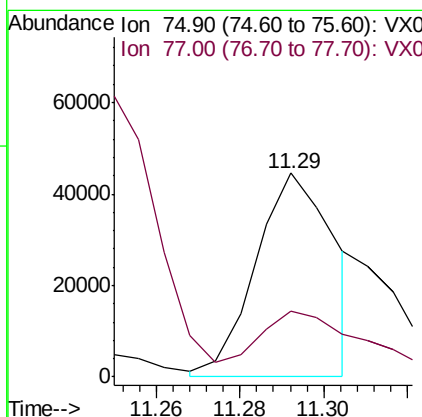
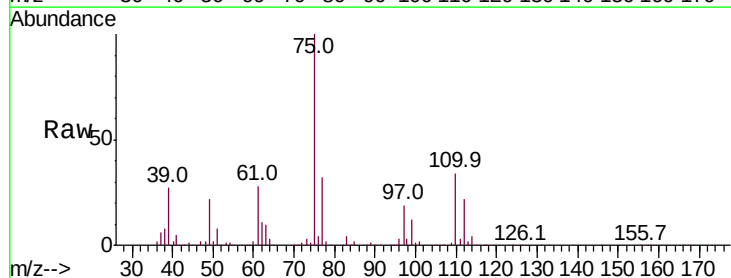
RT: 11.29 min Scan# 1663

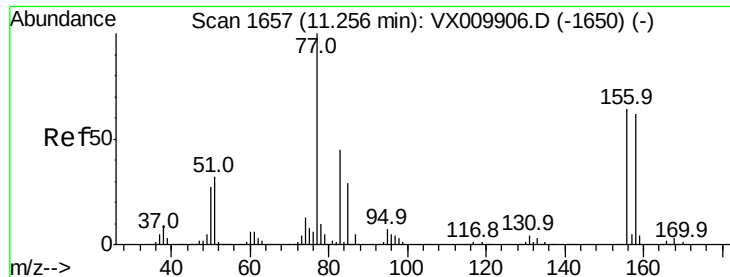
Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Tgt Ion:	75	Resp:	58493
Ion Ratio	Lower	Upper	
75	100		
77	43.6	22.1	66.1





#77

Bromobenzene

Concen: 19.496 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX0528WBS01

Tot Ion:156 Resp: 45048

Ion Ratio Lower Upper

156 100

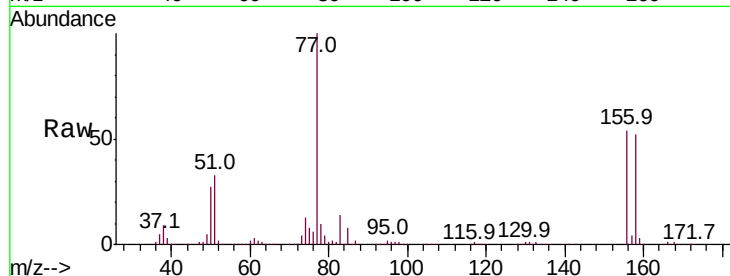
77 174.2 86.8 260.3

158 99.6 49.6 148.8

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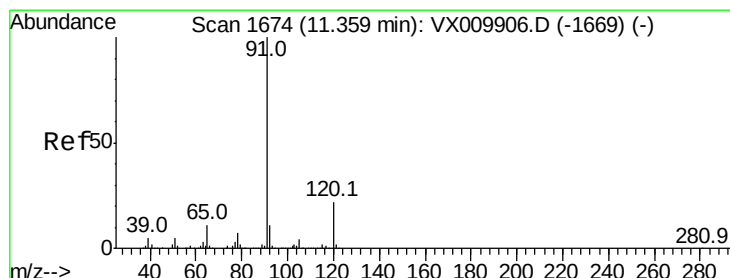
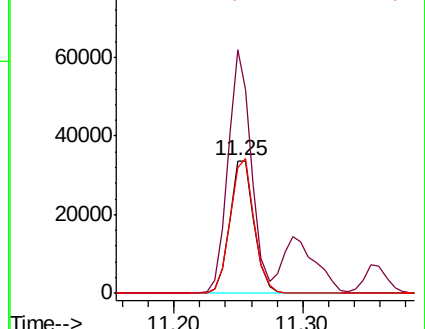
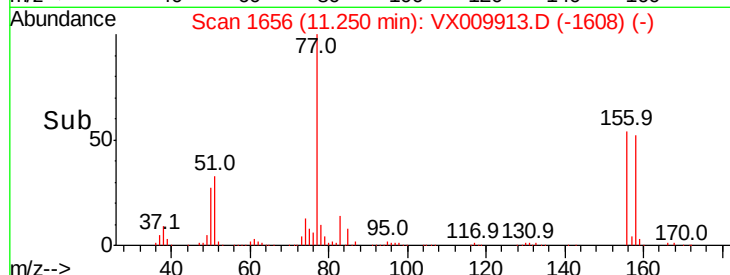
5/29/2019 9:25:13 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.688 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009913.D

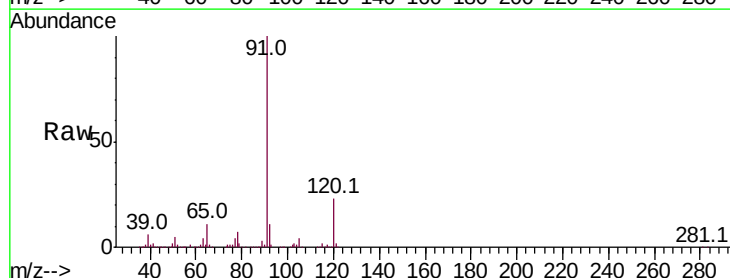
Acq: 28 May 2019 14:36

Tgt Ion: 91 Resp: 216208

Ion Ratio Lower Upper

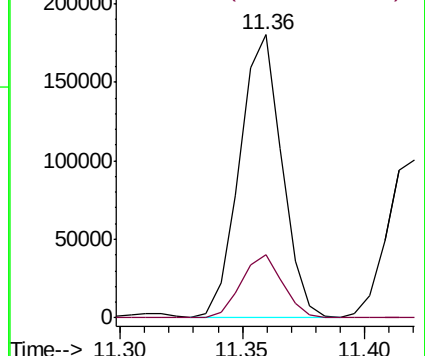
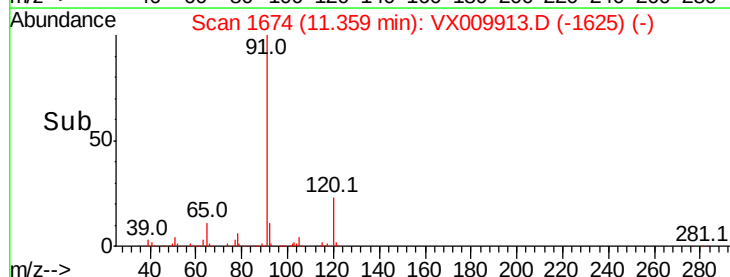
91 100

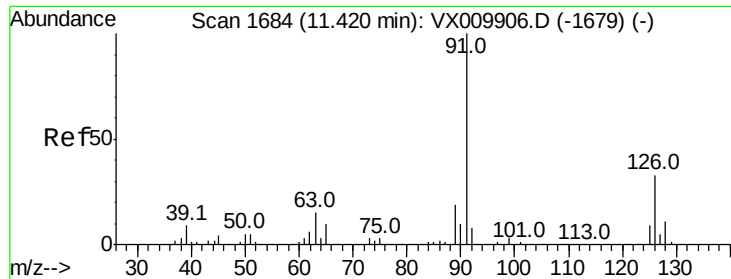
120 22.2 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.118 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX0528WBS01

Tot Ion: 91 Resp: 128456

Ion Ratio Lower Upper

91 100

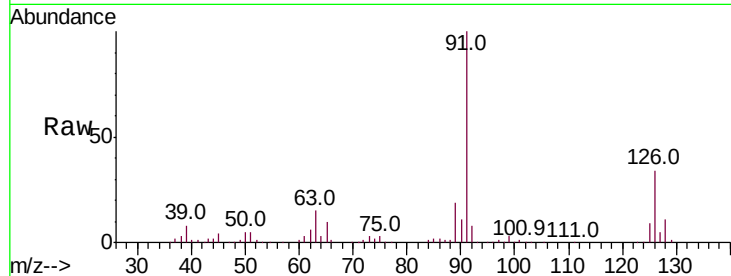
126 32.4 16.1 48.3

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Abundance Ion 91.00 (90.70 to 91.70): VX009913.D (-1635) (-)

Ion 125.90 (125.60 to 126.60): VX009913.D (-1635) (-)

200000

150000

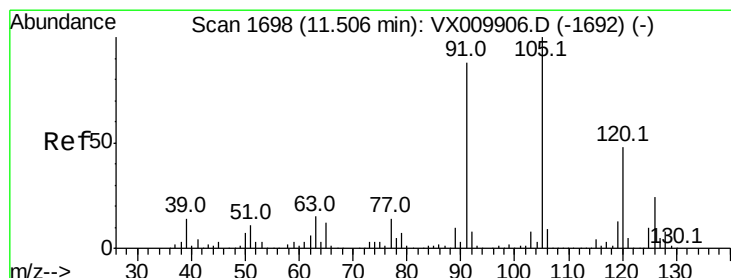
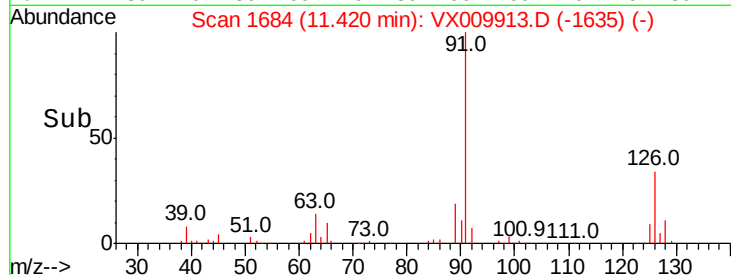
100000

50000

0

11.40 11.42 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.524 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009913.D

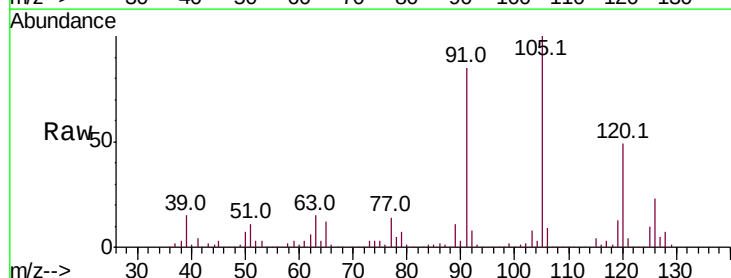
Acq: 28 May 2019 14:36

Tgt Ion:105 Resp: 156773

Ion Ratio Lower Upper

105 100

120 48.2 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): VX009913.D (-1649) (-)

Ion 120.00 (119.70 to 120.70): VX009913.D (-1649) (-)

150000

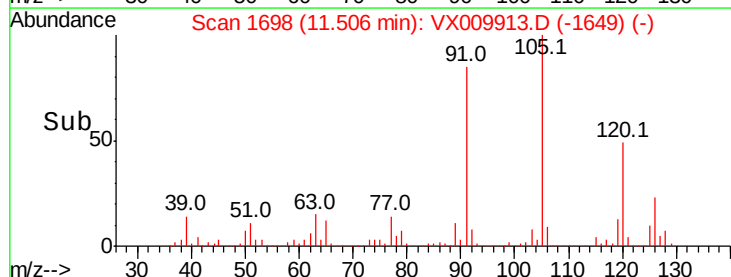
100000

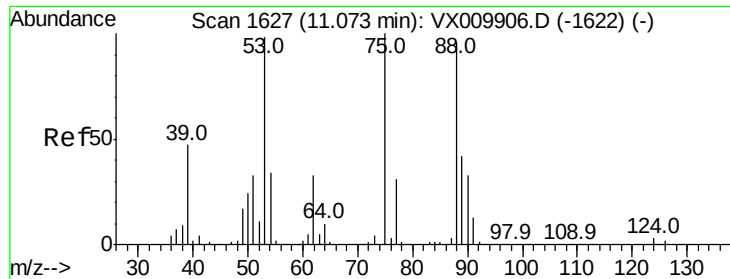
50000

0

11.50 11.51 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.469 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX0528WBS01

Tot Ion: 75 Resp: 21936

Ion Ratio Lower Upper

75 100

53 103.8 79.8 119.6

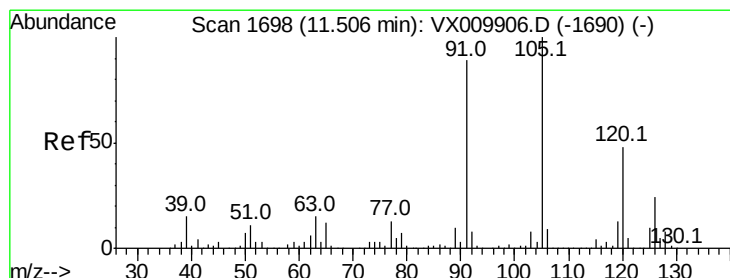
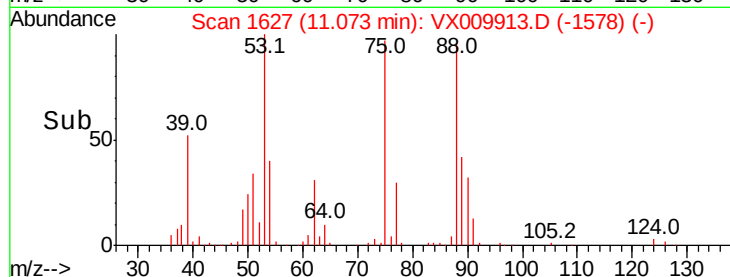
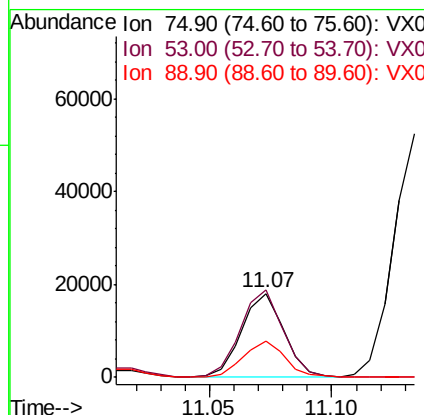
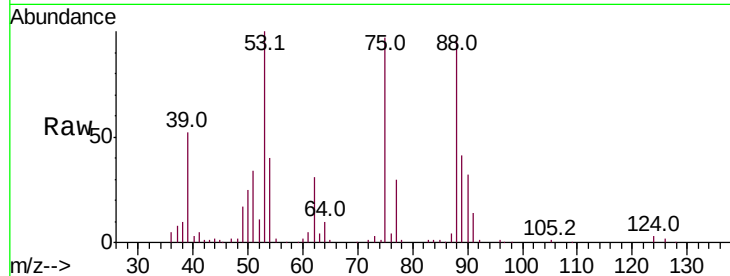
89 43.1 34.2 51.4

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#82

4-Chlorotoluene

Concen: 19.763 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009913.D

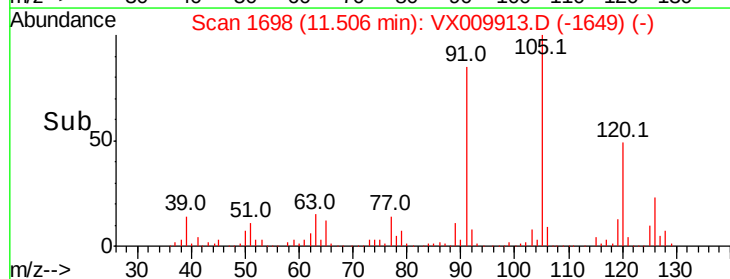
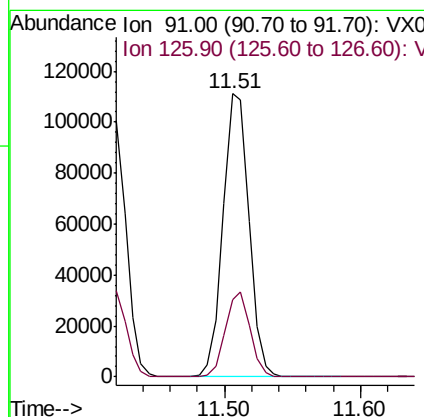
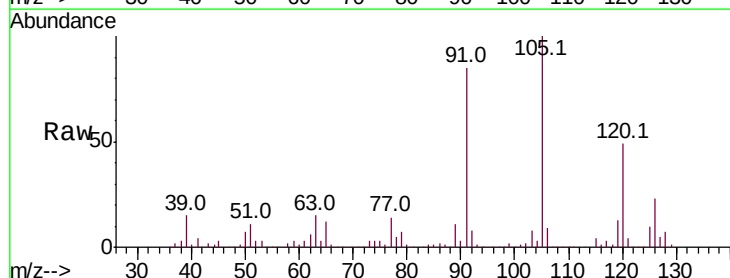
Acq: 28 May 2019 14:36

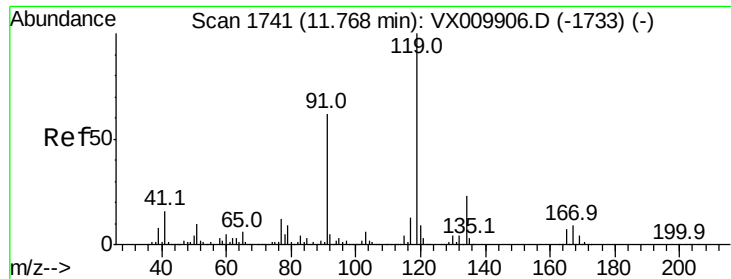
Tgt Ion: 91 Resp: 146901

Ion Ratio Lower Upper

91 100

126 28.8 14.2 42.6





#83

tert-Butylbenzene

Concen: 20.494 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

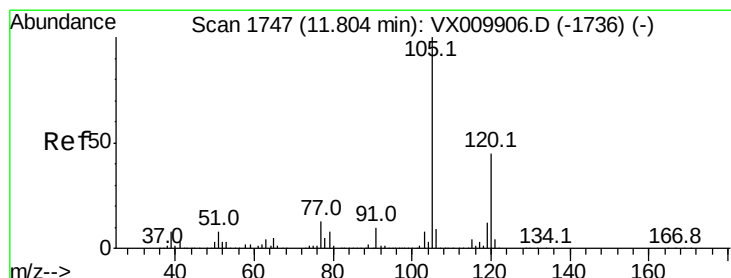
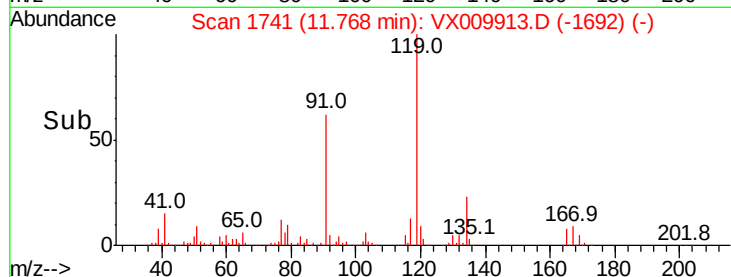
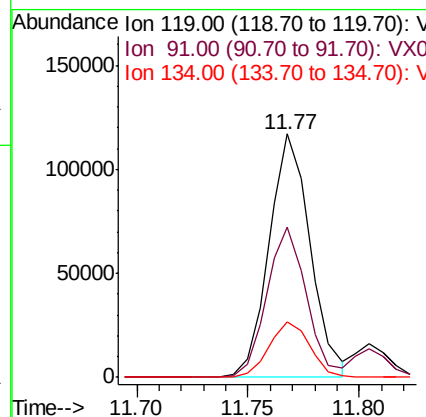
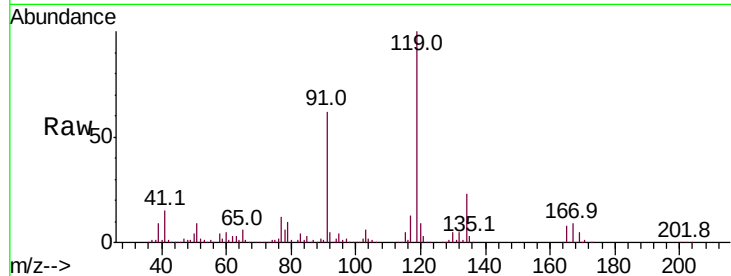
ClientSampleId :

VX0528WBS01

Tot Ion:	119	Resp:	149766
Ion Ratio	Lower	Upper	
119	100		
91	59.9	30.0	90.0
134	22.6	11.2	33.5

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#84

1,2,4-Trimethylbenzene

Concen: 20.595 ug/l

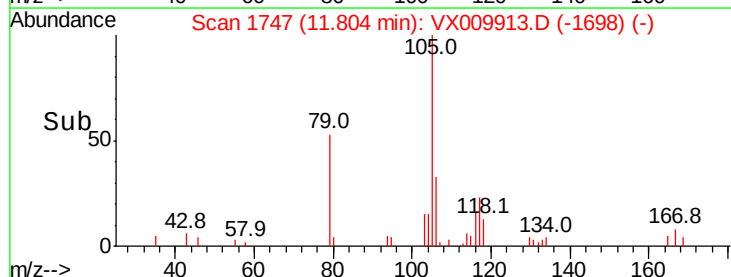
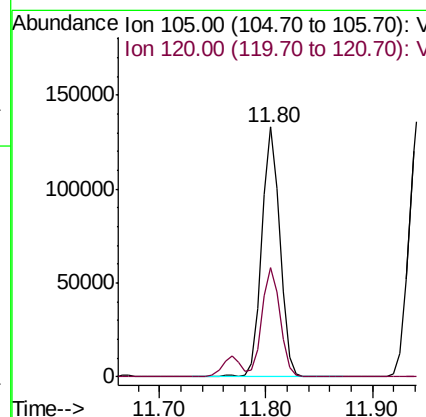
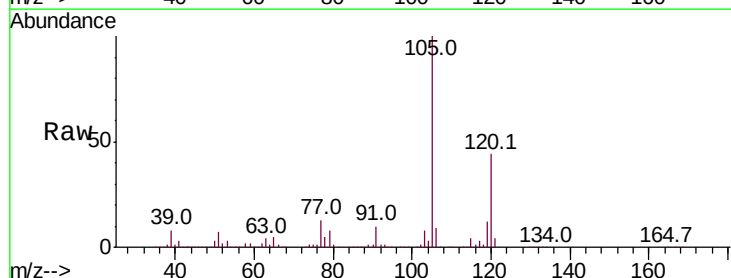
RT: 11.80 min Scan# 1747

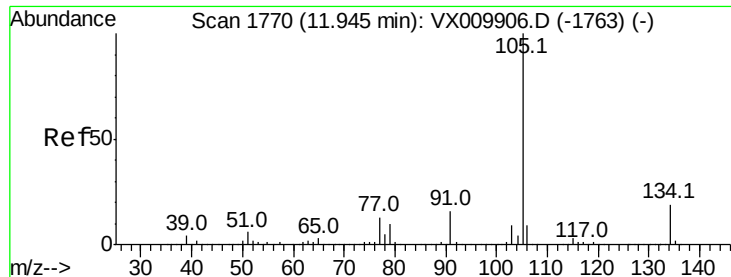
Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Tgt Ion:	105	Resp:	159757
Ion Ratio	Lower	Upper	
105	100		
120	43.9	22.1	66.1





#85

sec-Butylbenzene

Concen: 20.925 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX0528WBS01

Tot Ion:105 Resp: 181920

Ion Ratio Lower Upper

105 100

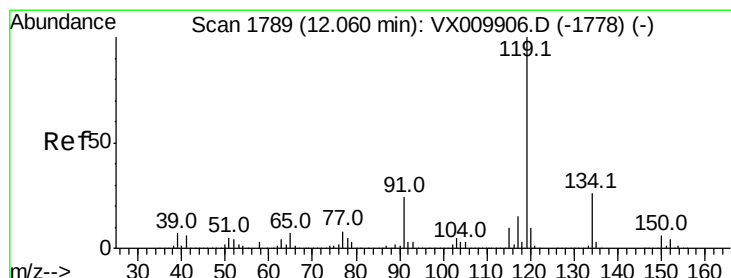
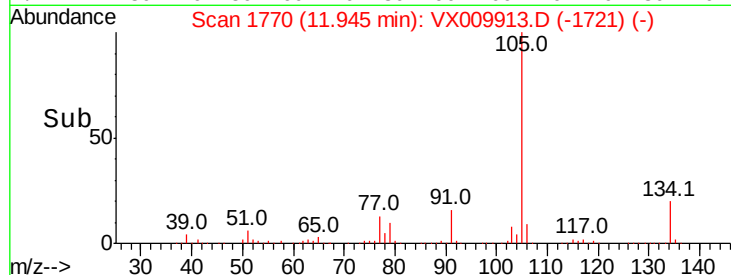
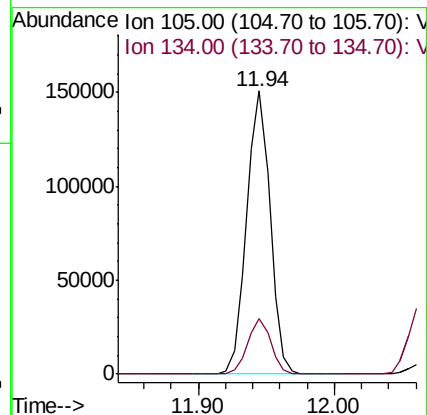
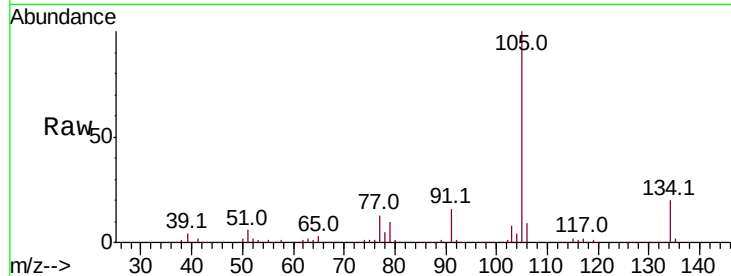
134 19.4 9.7 28.9

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#86

p-Isopropyltoluene

Concen: 21.114 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

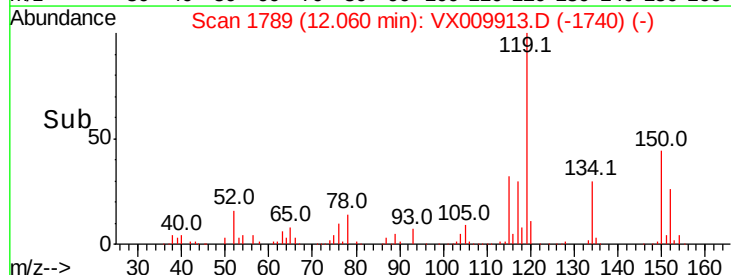
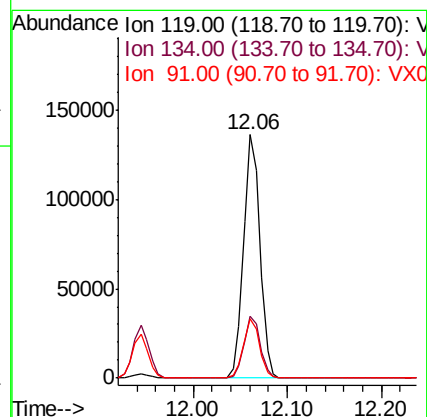
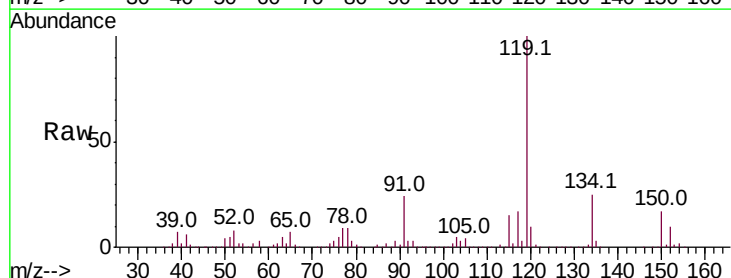
Tgt Ion:119 Resp: 165104

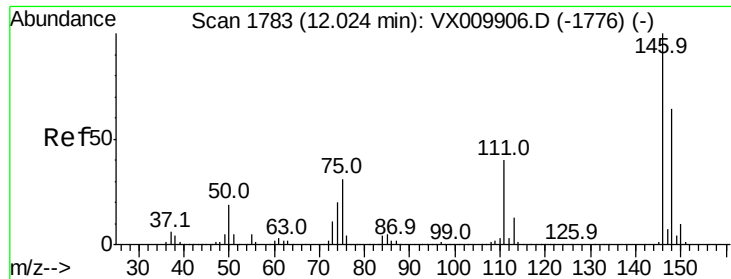
Ion Ratio Lower Upper

119 100

134 25.3 12.9 38.6

91 24.1 11.9 35.9





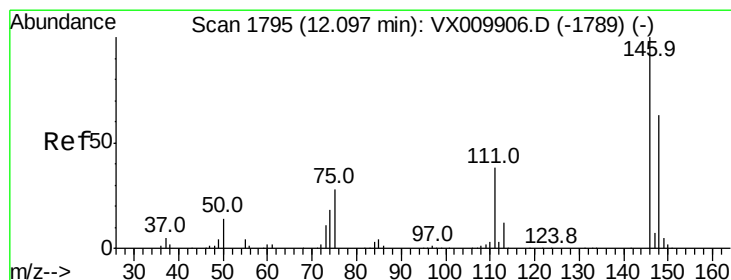
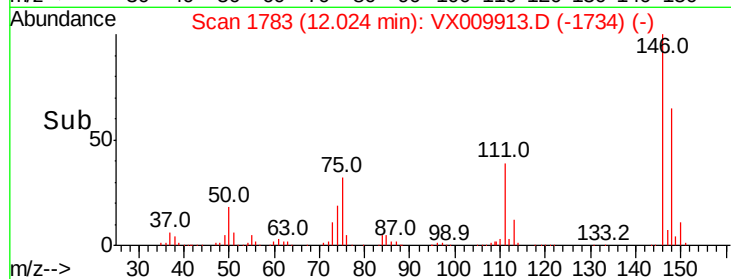
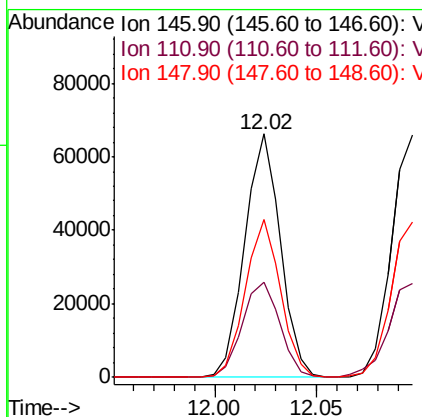
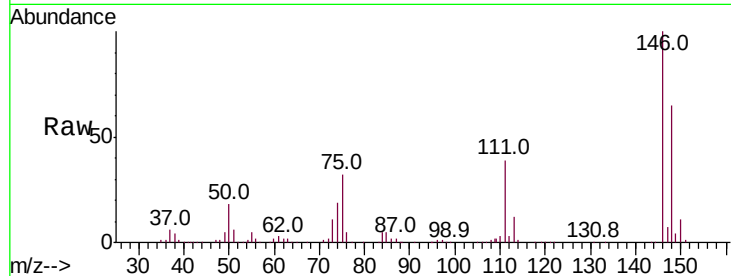
#87
 1,3-Dichlorobenzene
 Concen: 19.578 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009913.D
 Acq: 28 May 2019 14:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0528WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.1	60.2
148	64.5	31.9	95.5

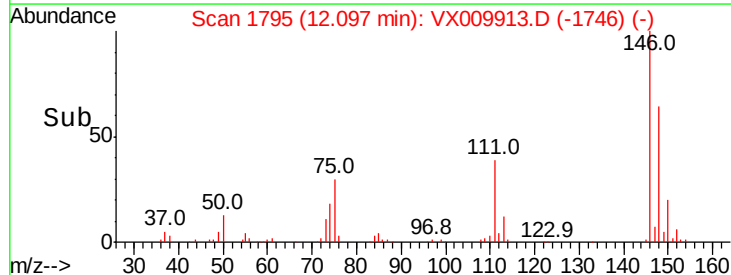
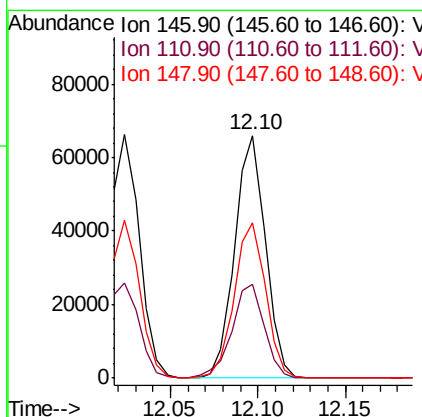
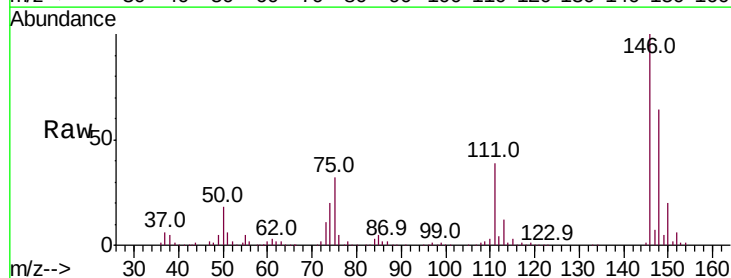
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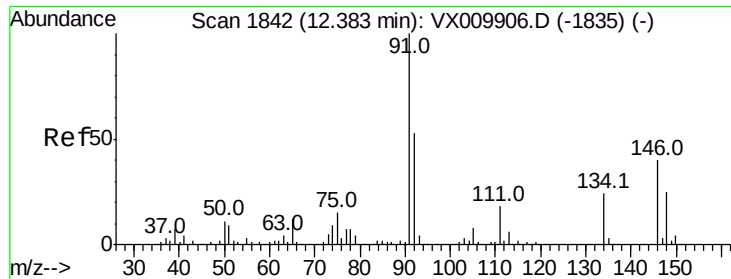
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#88
 1,4-Dichlorobenzene
 Concen: 19.279 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009913.D
 Acq: 28 May 2019 14:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.0	59.9
148	65.5	32.3	96.9





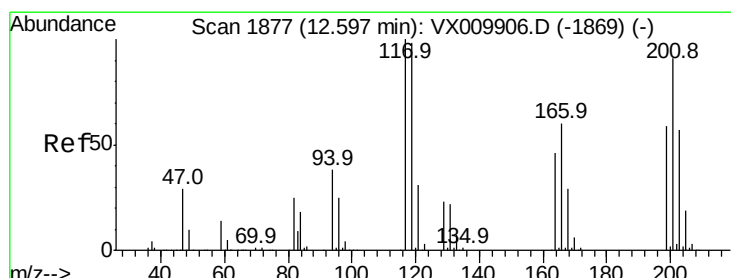
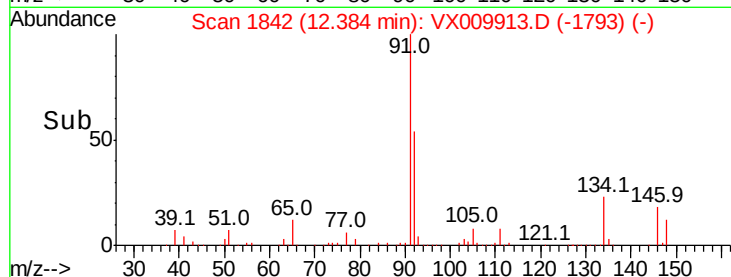
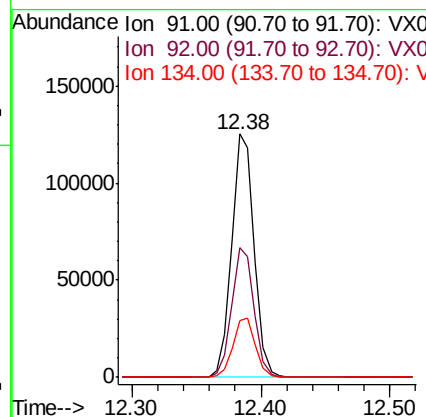
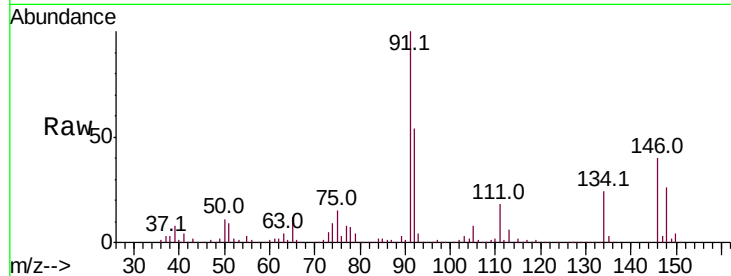
#89
n-Butylbenzene
Concen: 20.843 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX0528WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.3	78.8
134	24.4	12.3	36.8

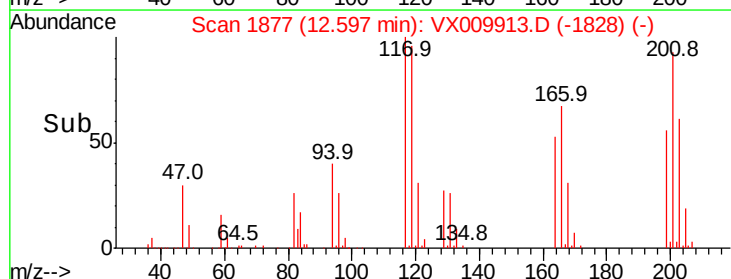
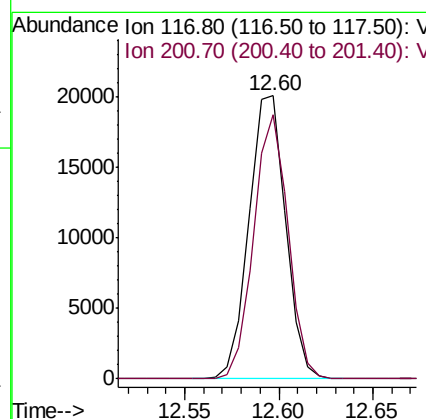
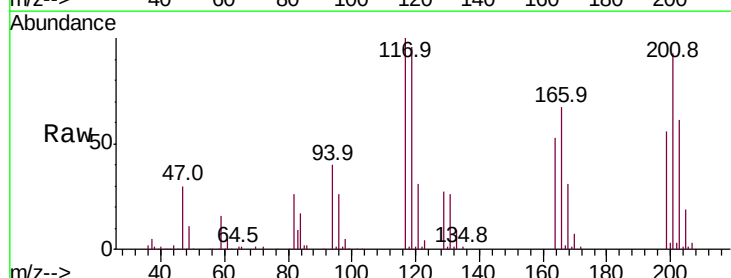
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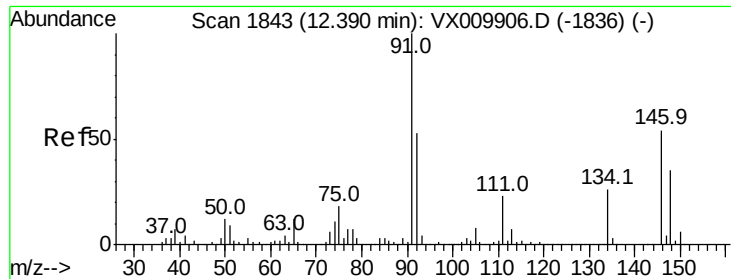
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#90
Hexachloroethane
Concen: 20.243 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.2	43.6	130.9





#91

1,2-Dichlorobenzene

Concen: 19.874 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

VX0528WBS01

Tot Ion:146 Resp: 80604

Ion Ratio Lower Upper

146 100

111 42.7 21.1 63.1

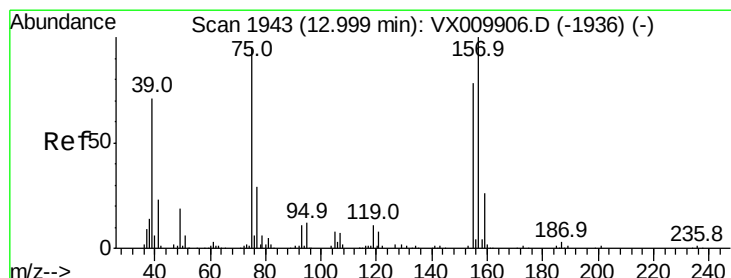
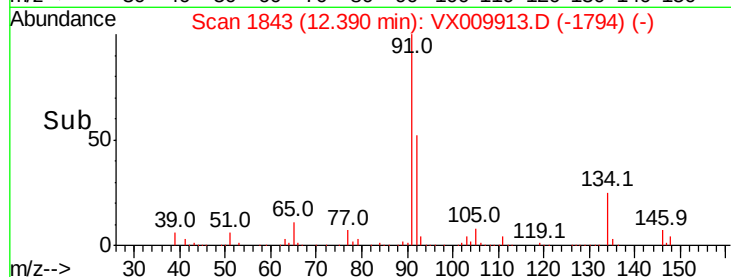
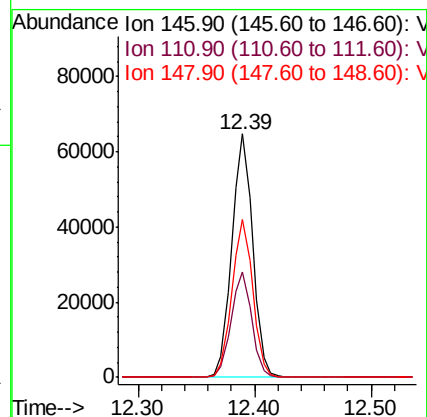
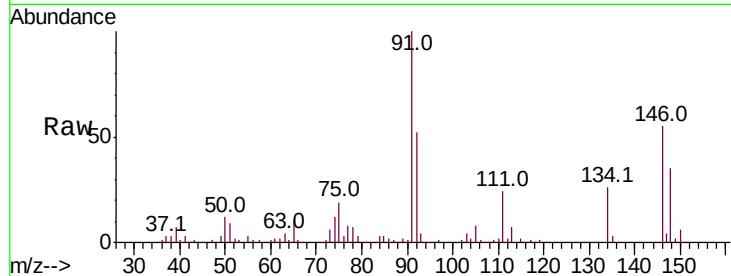
148 64.6 32.3 96.8

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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.060 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX009913.D

Acq: 28 May 2019 14:36

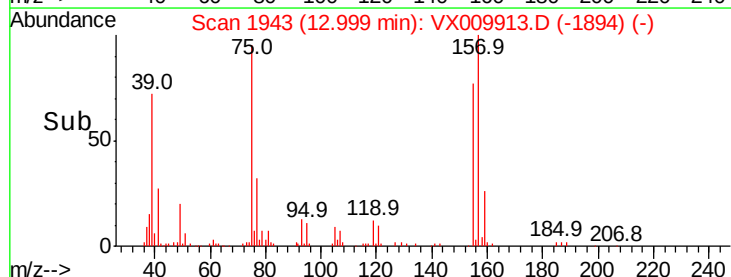
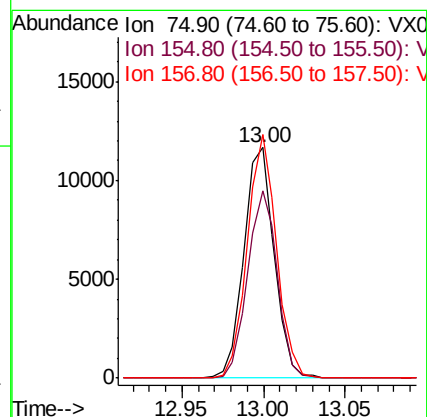
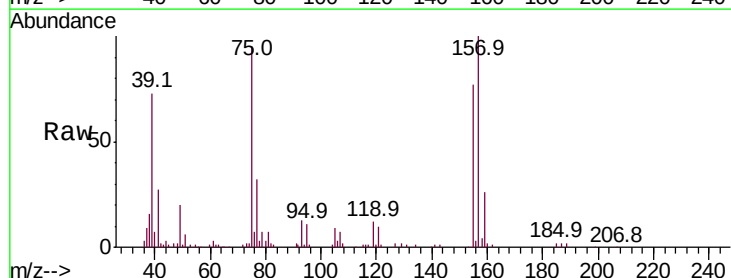
Tgt Ion: 75 Resp: 15176

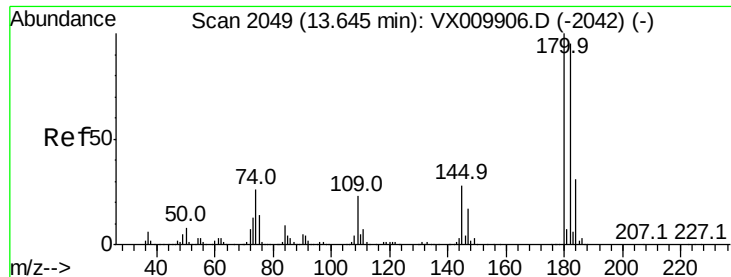
Ion Ratio Lower Upper

75 100

155 79.0 39.3 117.8

157 100.8 50.6 151.8





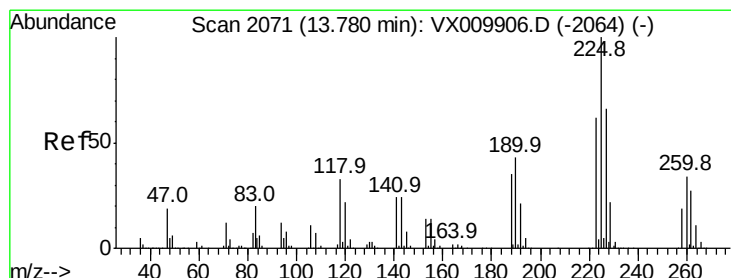
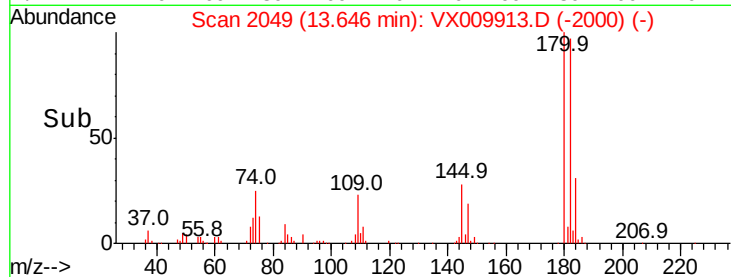
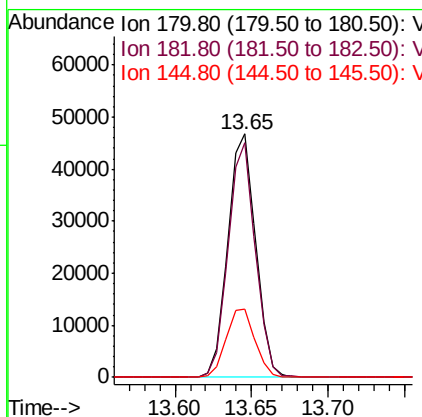
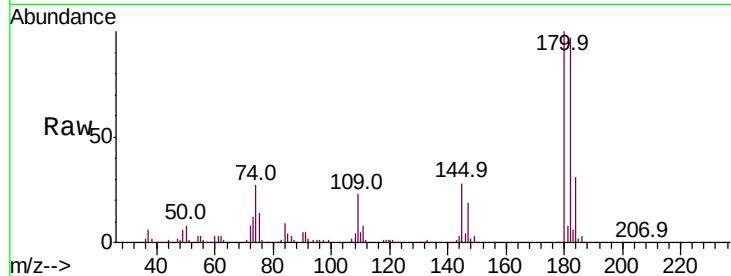
#93
 1,2,4-Trichlorobenzene
 Concen: 20.283 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009913.D
 Acq: 28 May 2019 14:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0528WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.1	47.4	142.2	
145	29.1	14.5	43.5	

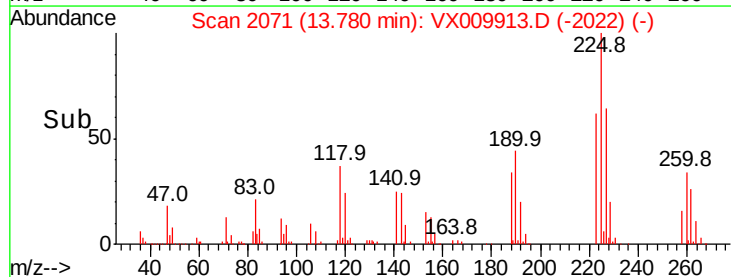
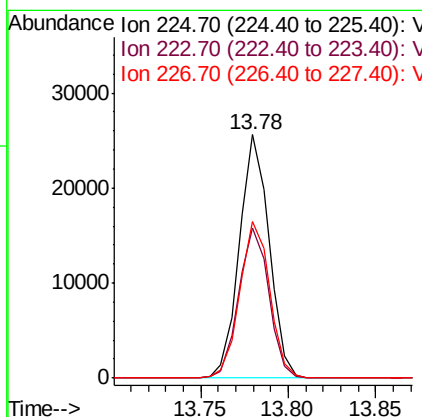
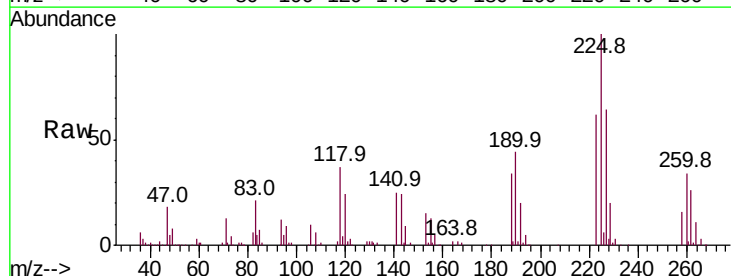
Manual Integrations
 APPROVED

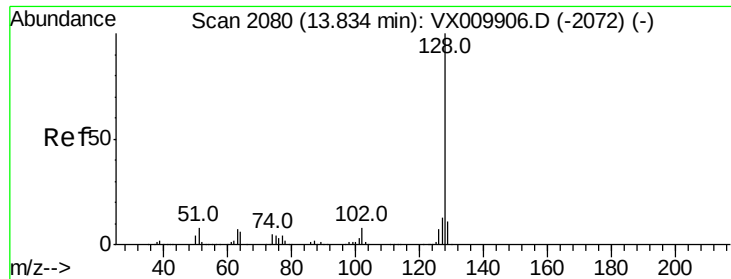
MMDadoda
 5/29/2019 9:25:13 AM



#94
 Hexachlorobutadiene
 Concen: 20.821 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009913.D
 Acq: 28 May 2019 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.5	31.3	93.8	
227	64.6	32.3	96.8	





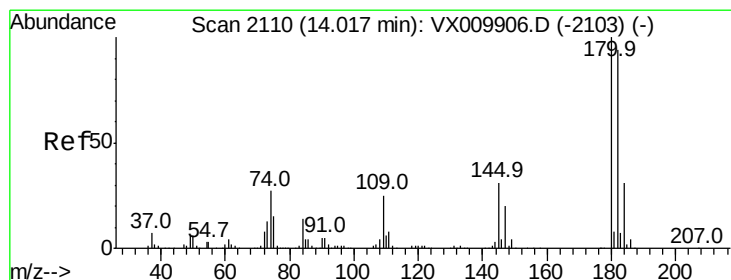
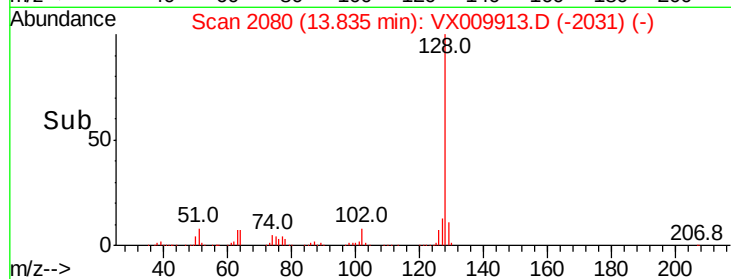
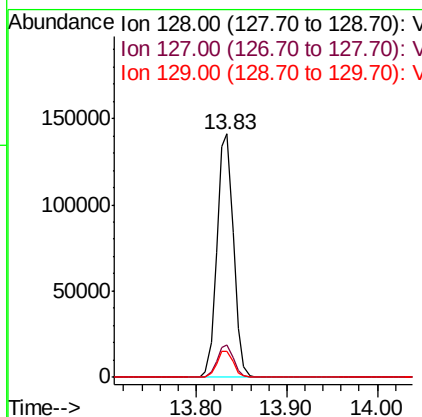
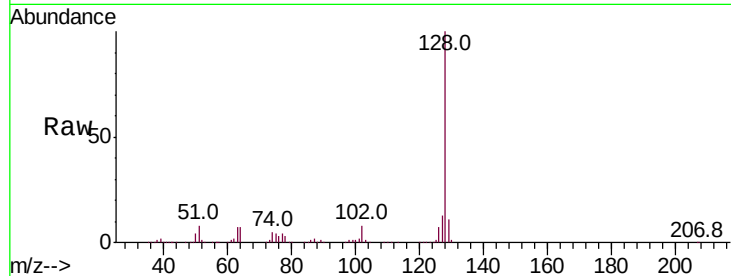
#95
Naphthalene
Concen: 19.995 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

Instrument :
MSVOA_X
ClientSampleId :
VX0528WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	180346		
127	13.1		10.6	16.0
129	10.9		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/29/2019 9:25:13 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.076 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX009913.D
Acq: 28 May 2019 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	58245		
182	96.0		47.3	142.0
145	31.3		15.6	46.7

