

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052919\
 Data File : VX009936.D
 Acq On : 29 May 2019 13:42
 Operator : JC/SP
 Sample : VX0529WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0529WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/30/2019 9:54:27 AM

Quant Time: May 30 01:54:47 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	5.67	168	161820	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	257498	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	233651	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	113275	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	113690	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
35) Dibromofluoromethane	5.50	113	80765	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
50) Toluene-d8	8.71	98	331847	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
62) 4-Bromofluorobenzene	11.13	95	118786	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	44017	22.260	ug/l	99
3) Chloromethane	1.32	50	54693	20.574	ug/l	98
4) Vinyl Chloride	1.41	62	48191	20.109	ug/l	98
5) Bromomethane	1.64	94	26644	18.351	ug/l	97
6) Chloroethane	1.72	64	27931	18.934	ug/l	98
7) Trichlorofluoromethane	1.93	101	54399	20.542	ug/l	98
8) Diethyl Ether	2.19	74	23167	18.616	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	31855	19.924	ug/l	98
10) Methyl Iodide	2.51	142	34749	20.574	ug/l	99
11) Tert butyl alcohol	3.04	59	59099	105.056	ug/l	100
12) 1,1-Dichloroethene	2.37	96	32035	19.548	ug/l	94
13) Acrolein	2.29	56	34590	100.523	ug/l	100
14) Allyl chloride	2.73	41	78872	19.802	ug/l	99
15) Acrylonitrile	3.14	53	133922	98.803	ug/l	100
16) Acetone	2.45	43	125730	95.199	ug/l	99
17) Carbon Disulfide	2.57	76	96836	19.749	ug/l	98
18) Methyl Acetate	2.78	43	60643	19.733	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	119001	19.234	ug/l	99
20) Methylene Chloride	2.85	84	38624	19.097	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	34882	19.130	ug/l	96
22) Diisopropyl ether	3.85	45	153319	20.230	ug/l	98
23) Vinyl Acetate	3.82	43	683078	100.331	ug/l	100
24) 1,1-Dichloroethane	3.70	63	72476	19.734	ug/l	100
25) 2-Butanone	4.68	43	205143	99.698	ug/l	99
26) 2,2-Dichloropropane	4.59	77	50319	18.112	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	40194	19.096	ug/l	100
28) Bromochloromethane	5.02	49	34270	17.981	ug/l	98
29) Tetrahydrofuran	5.13	42	133305	101.028	ug/l	99
30) Chloroform	5.21	83	65285	19.710	ug/l	99
31) Cyclohexane	5.58	56	69663	20.026	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	53692	19.904	ug/l	99
36) 1,1-Dichloropropene	5.80	75	49897	19.098	ug/l	100
37) Ethyl Acetate	4.84	43	74721	20.526	ug/l	99
38) Carbon Tetrachloride	5.79	117	44169	19.564	ug/l	96

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

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Manual Integrations
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 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)
39) Methylcyclohexane	7.46	83	61537	19.857	ug/l	99
40) Benzene	6.14	78	154613	19.950	ug/l	99
41) Methacrylonitrile	5.04	41	42469	19.965	ug/l	99
42) 1,2-Dichloroethane	6.20	62	56984	19.888	ug/l	99
43) Isopropyl Acetate	6.45	43	114611	19.512	ug/l	99
44) Trichloroethene	7.21	130	35972	19.108	ug/l	99
45) 1,2-Dichloropropane	7.51	63	44117	19.774	ug/l	100
46) Dibromomethane	7.66	93	24638	18.761	ug/l	100
47) Bromodichloromethane	7.90	83	49814	19.947	ug/l	97
48) Methyl methacrylate	7.77	41	56889	19.564	ug/l	100
49) 1,4-Dioxane	7.74	88	22579	417.455	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	389095	101.830	ug/l	100
52) Toluene	8.79	92	93956	19.967	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	55792	18.629	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	62340	19.104	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	37445	19.771	ug/l	98
56) Ethyl methacrylate	9.18	69	67730	20.087	ug/l	98
57) 1,3-Dichloropropane	9.37	76	67208	19.759	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	173785	98.289	ug/l	100
59) 2-Hexanone	9.49	43	305406	103.815	ug/l	99
60) Dibromochloromethane	9.58	129	36648	19.671	ug/l	100
61) 1,2-Dibromoethane	9.67	107	37536	19.291	ug/l	100
64) Tetrachloroethene	9.34	164	33847	20.739	ug/l	98
65) Chlorobenzene	10.14	112	95612	19.547	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	33455	19.719	ug/l	98
67) Ethyl Benzene	10.25	91	177630	20.225	ug/l	99
68) m/p-Xylenes	10.36	106	129543	39.925	ug/l	100
69) o-Xylene	10.69	106	62482	20.079	ug/l	100
70) Styrene	10.71	104	108185	19.827	ug/l	99
71) Bromoform	10.85	173	27002	19.471	ug/l #	98
73) Isopropylbenzene	11.02	105	169031	20.225	ug/l	99
74) N-amyl acetate	10.90	43	100420	20.107	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	62290	19.977	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	54613m	20.162	ug/l	
77) Bromobenzene	11.26	156	41583	19.523	ug/l	98
78) n-propylbenzene	11.36	91	195348	20.278	ug/l	99
79) 2-Chlorotoluene	11.42	91	116650	19.819	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	142507	20.240	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	19701	17.995	ug/l	94
82) 4-Chlorotoluene	11.51	91	132779	19.379	ug/l	99
83) tert-Butylbenzene	11.77	119	133788	19.861	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	143618	20.085	ug/l	99
85) sec-Butylbenzene	11.94	105	161758	20.185	ug/l	100
86) p-Isopropyltoluene	12.06	119	146530	20.328	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	73409	19.359	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	74369	19.231	ug/l	100
89) n-Butylbenzene	12.38	91	134564	19.864	ug/l	99
90) Hexachloroethane	12.59	117	24349	19.683	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	74441	19.912	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14456	19.697	ug/l	97

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0529WBSD01

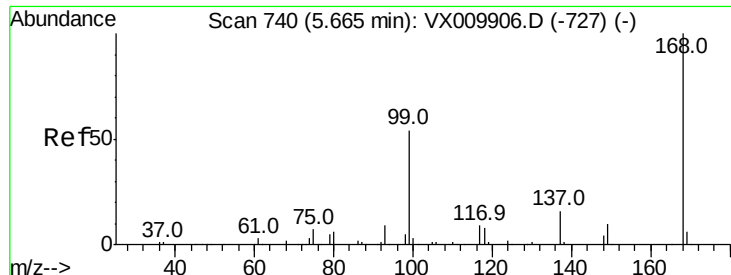
Manual Integrations
APPROVED

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5/30/2019 9:54:27 AM

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Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	13.65	180	51374	19.229	ug/l	99
94) Hexachlorobutadiene	13.78	225	26689	19.916	ug/l	98
95) Naphthalene	13.83	128	167545	20.152	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	52840	19.758	ug/l	100

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



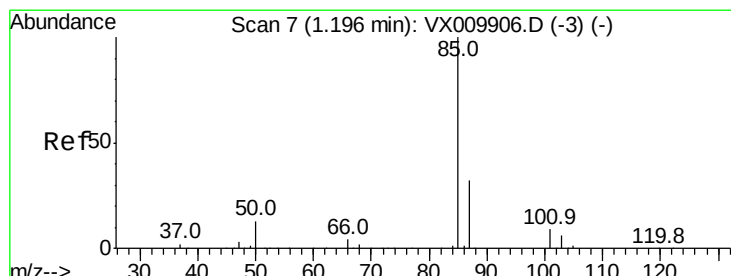
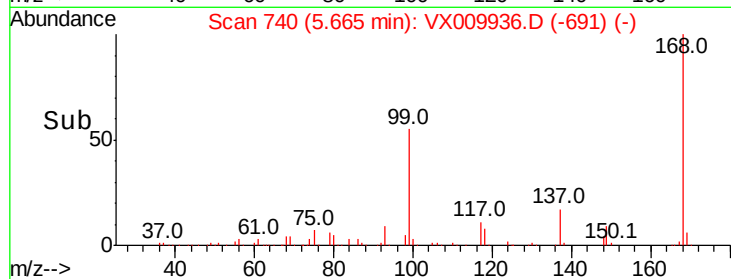
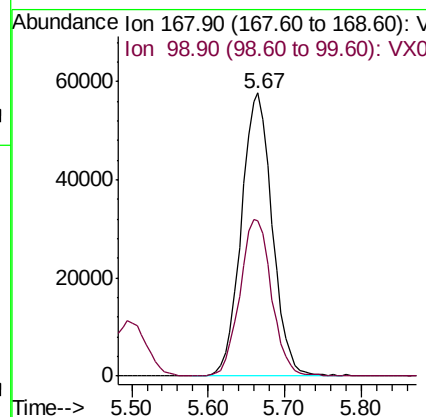
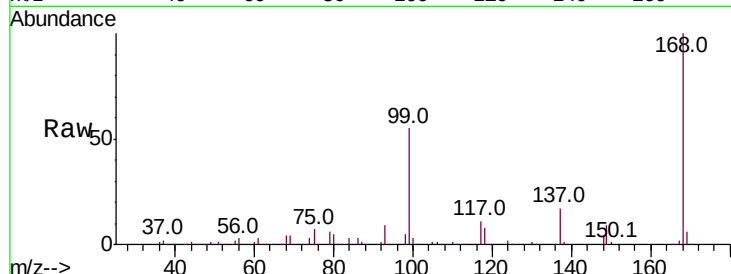
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.00 min
Lab File: VX009936.D
Acq: 29 May 2019 13:42

Instrument :
MSVOA_X
ClientSampleId :
VX0529WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
168	100	161820		
99	54.7	43.0	64.6	

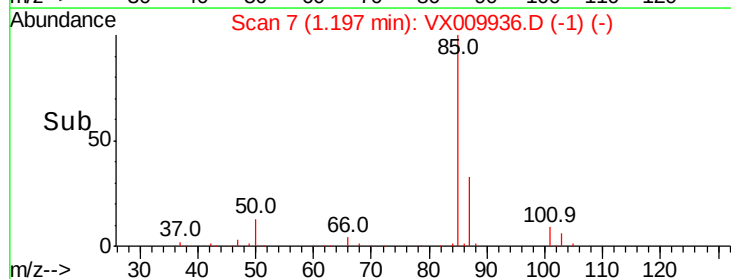
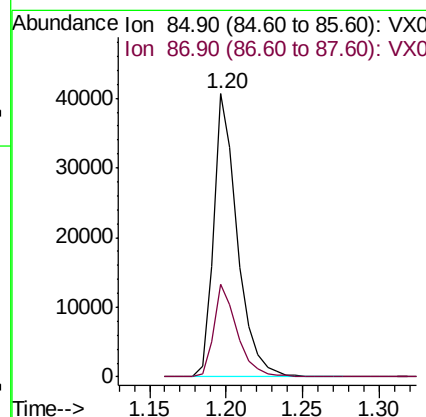
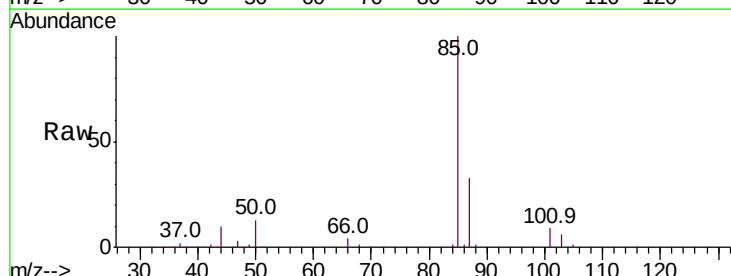
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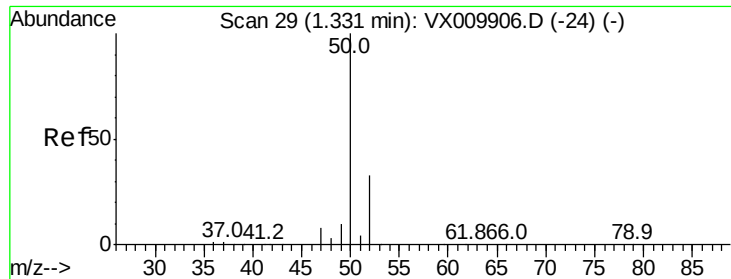
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#2
Dichlorodifluoromethane
Concen: 22.260 ug/l
RT: 1.20 min Scan# 7
Delta R.T. 0.00 min
Lab File: VX009936.D
Acq: 29 May 2019 13:42

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	44017		
87	32.8	16.1	48.2	





#3

Chloromethane

Concen: 20.574 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX009936.D

Acq: 29 May 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBSD01

Tot Ion: 50 Resp: 54693

Ion Ratio Lower Upper

50 100

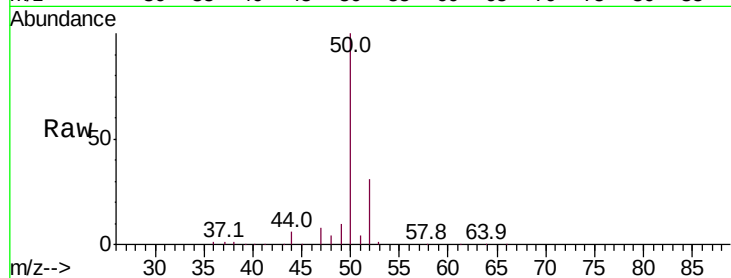
52 31.4 26.0 39.0

Manual Integrations

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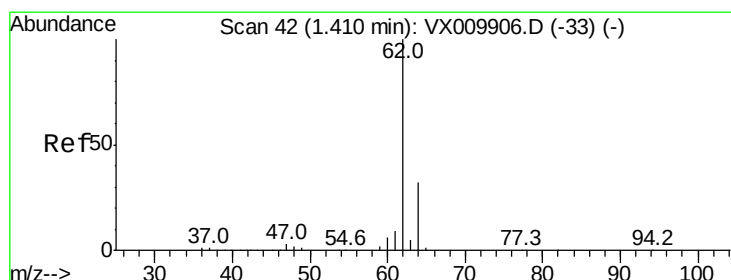
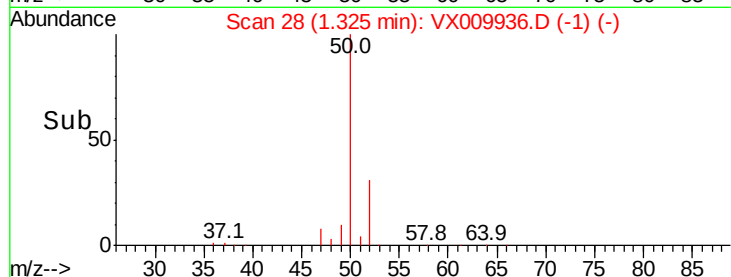
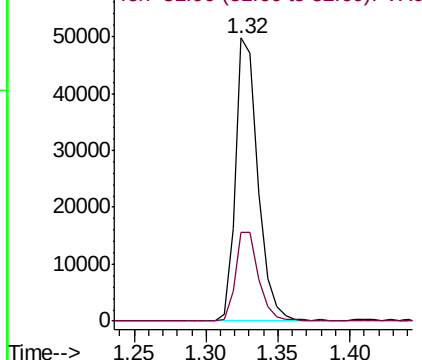
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.109 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009936.D

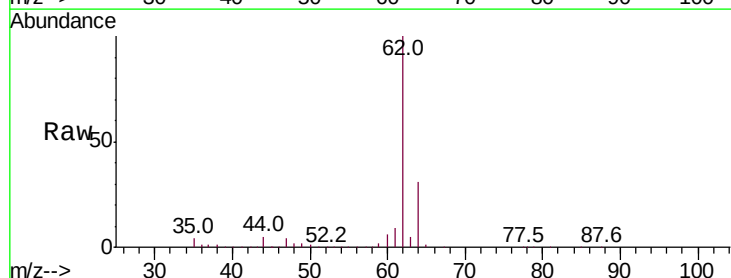
Acq: 29 May 2019 13:42

Tgt Ion: 62 Resp: 48191

Ion Ratio Lower Upper

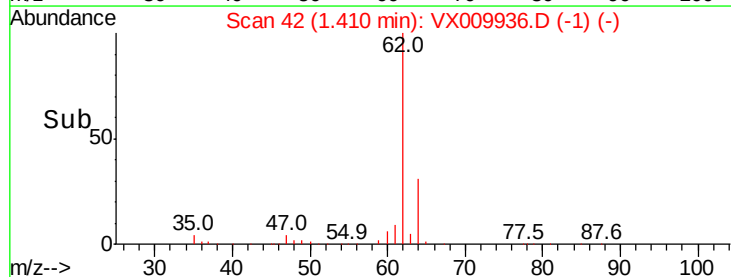
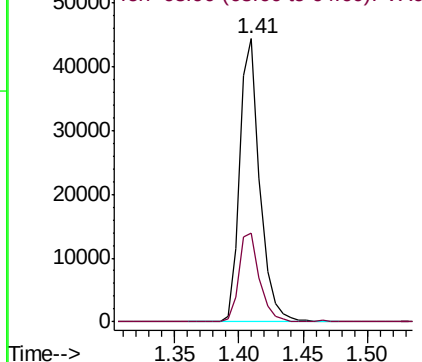
62 100

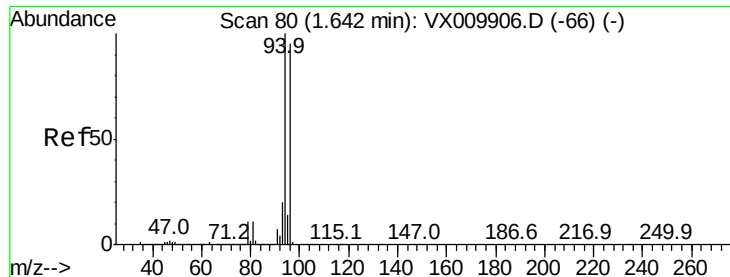
64 31.3 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 18.351 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX009936.D

Acq: 29 May 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBSD01

Tot Ion: 94 Resp: 26644

Ion Ratio Lower Upper

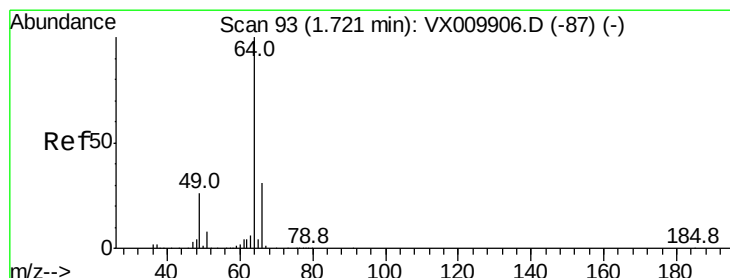
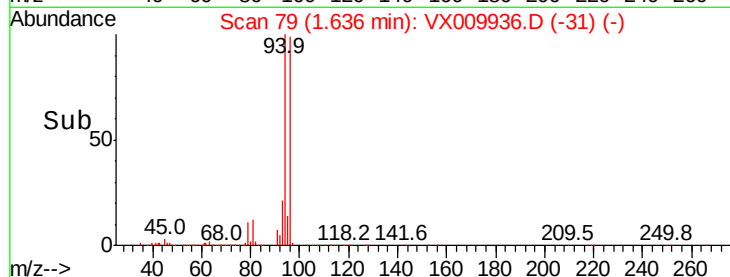
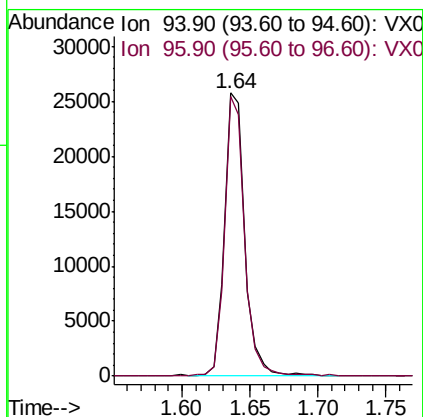
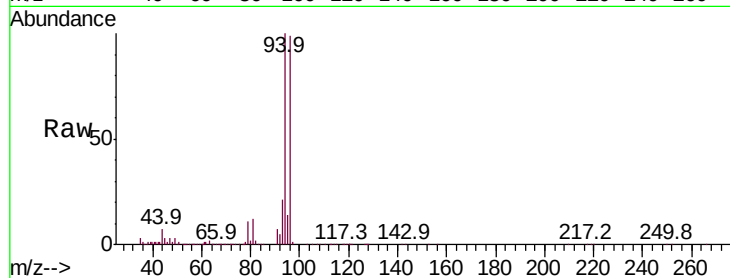
94 100

96 98.7 76.2 114.4

Manual Integrations
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#6

Chloroethane

Concen: 18.934 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX009936.D

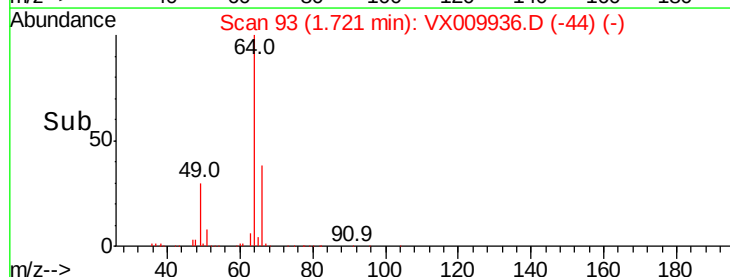
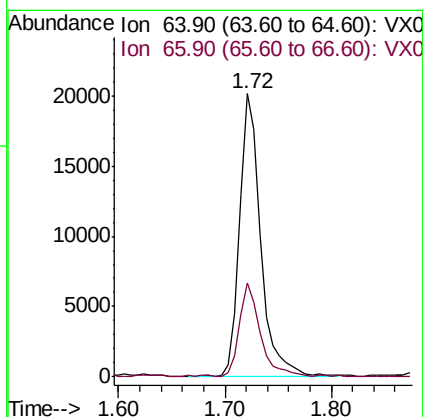
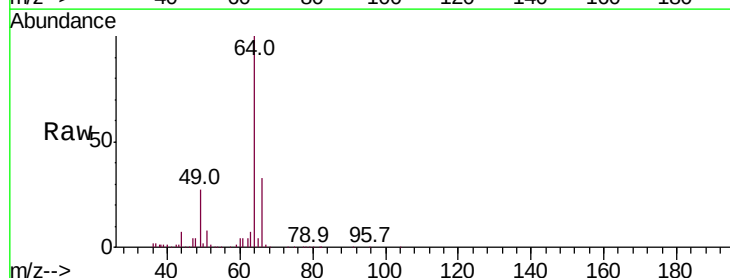
Acq: 29 May 2019 13:42

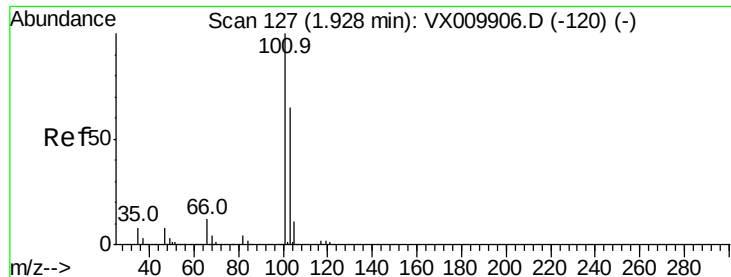
Tgt Ion: 64 Resp: 27931

Ion Ratio Lower Upper

64 100

66 32.7 25.1 37.7





#7

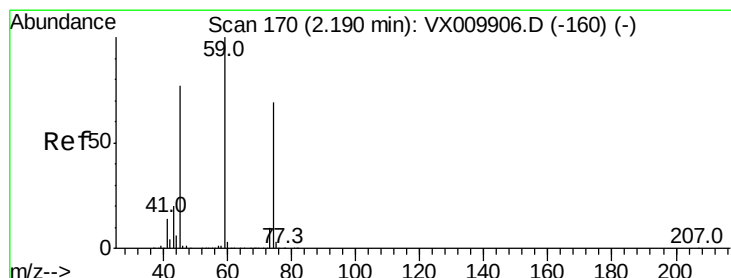
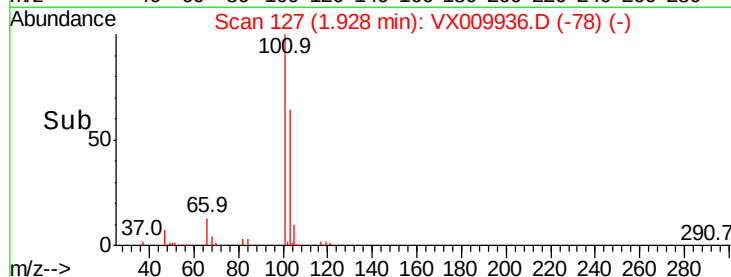
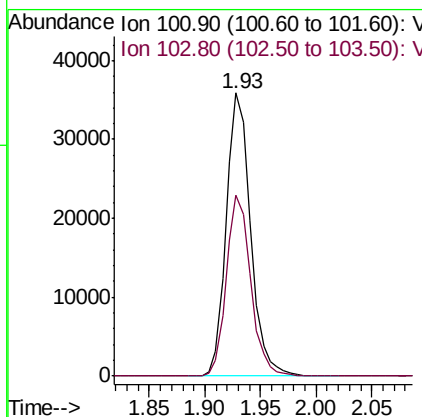
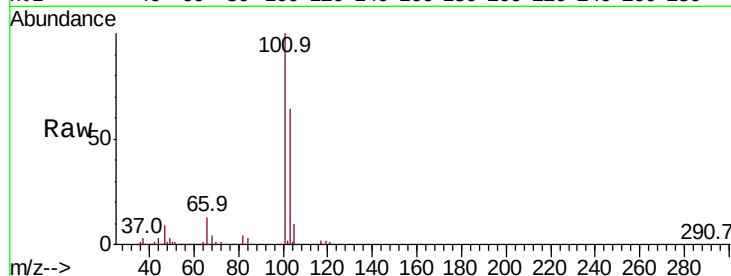
Trichlorofluoromethane
 Concen: 20.542 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.00 min
 Lab File: VX009936.D
 Acq: 29 May 2019 13:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0529WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.2	78.4

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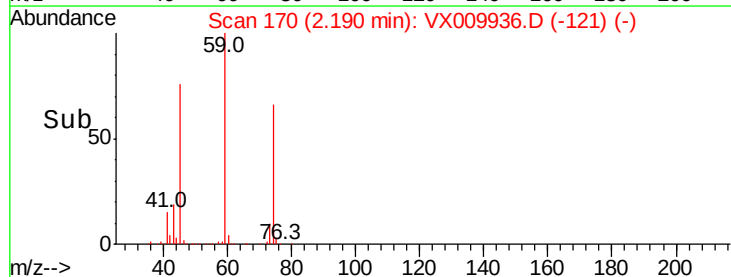
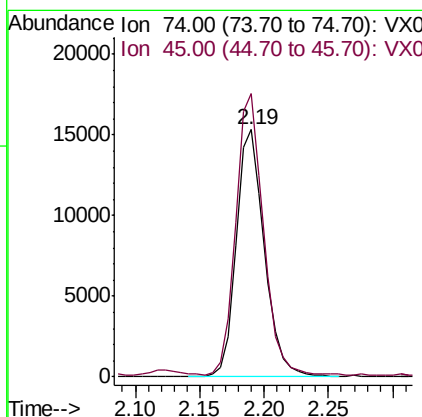
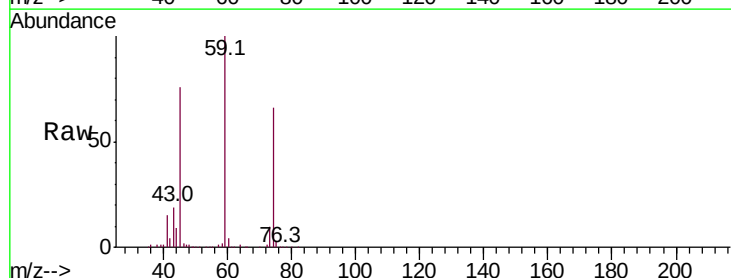
MMDadoda
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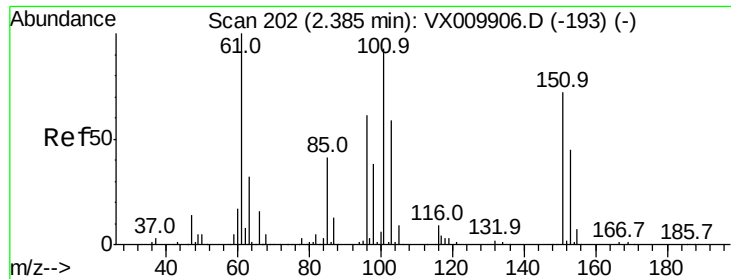


#8

Diethyl Ether
 Concen: 18.616 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX009936.D
 Acq: 29 May 2019 13:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.7	56.1	168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.924 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX009936.D

Acq: 29 May 2019 13:42

Instrument :

MSVOA_X

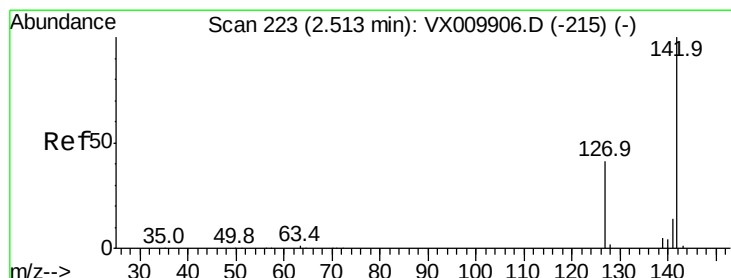
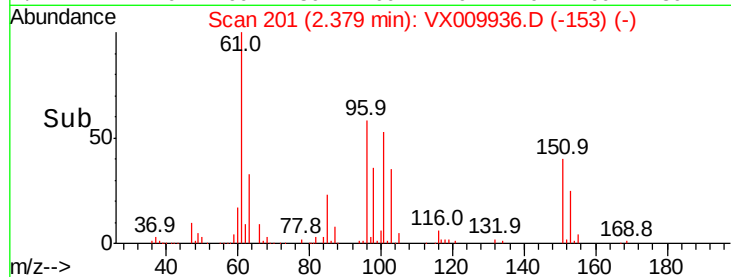
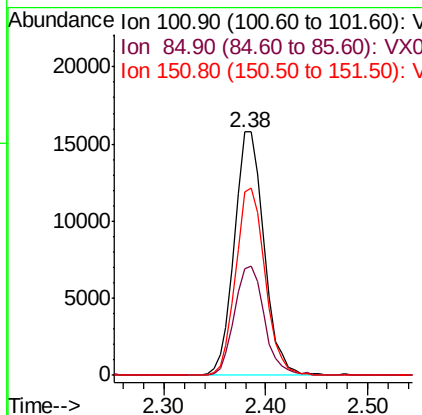
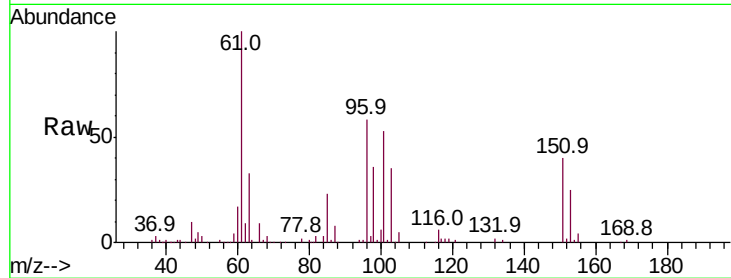
ClientSampleId :

VX0529WBSD01

Tot Ion:	101	Resp:	31855
Ion Ratio	Lower	Upper	
101	100		
85	45.1	35.2	52.8
151	75.8	61.9	92.9

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#10

Methyl Iodide

Concen: 20.574 ug/l

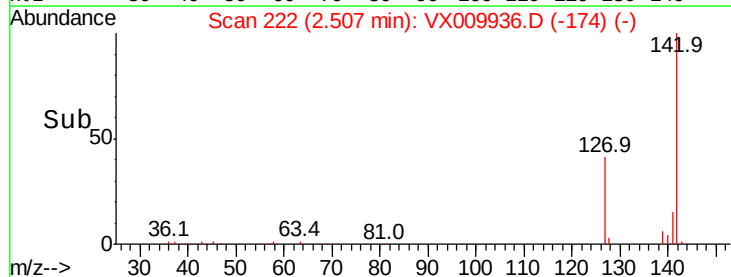
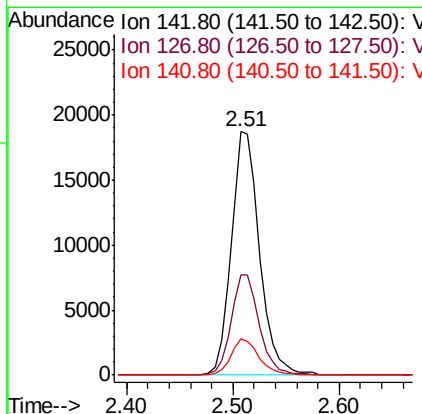
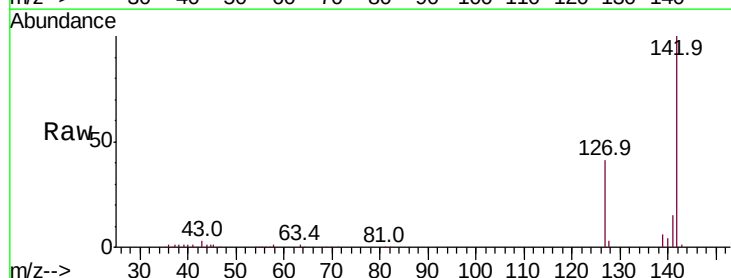
RT: 2.51 min Scan# 222

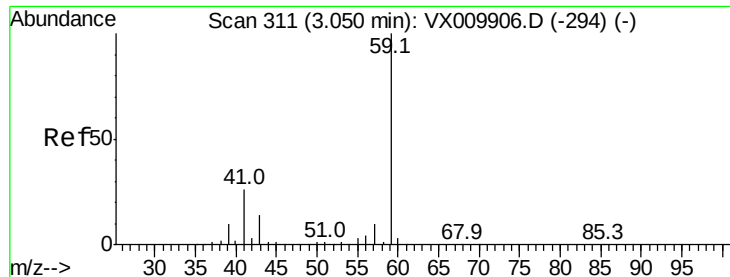
Delta R.T. -0.01 min

Lab File: VX009936.D

Acq: 29 May 2019 13:42

Tgt Ion:	142	Resp:	34749
Ion Ratio	Lower	Upper	
142	100		
127	41.3	33.0	49.4
141	14.8	11.4	17.0





#11

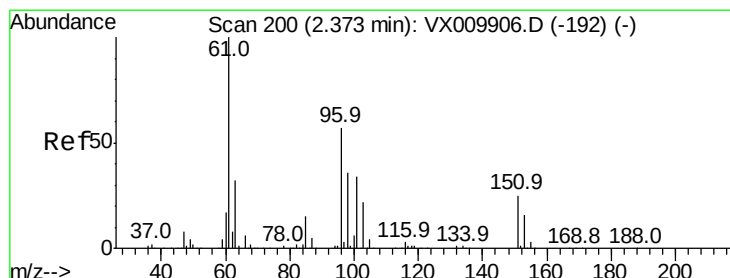
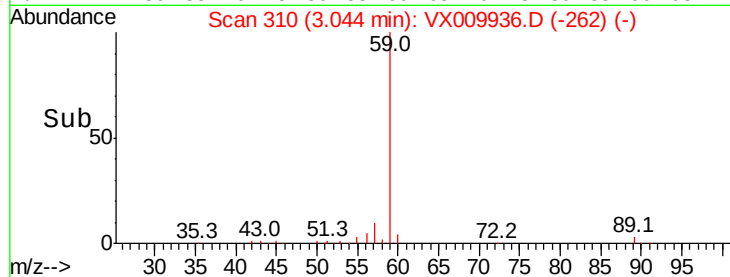
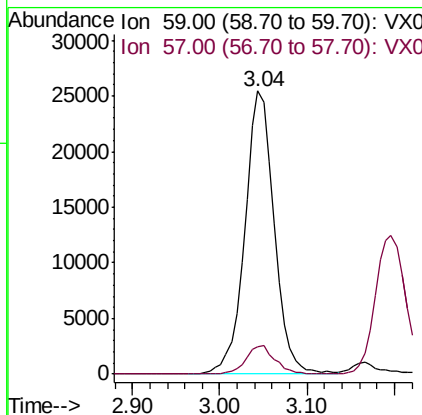
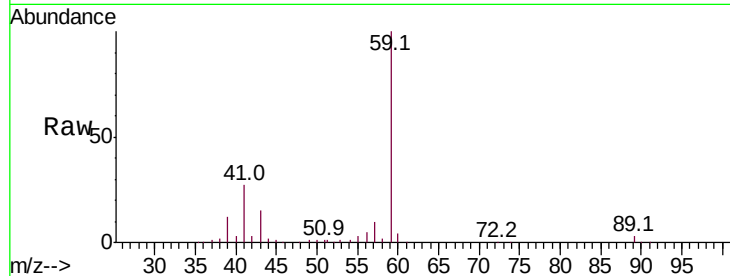
Tert butyl alcohol
 Concen: 105.056 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. -0.01 min
 Lab File: VX009936.D
 Acq: 29 May 2019 13:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0529WBSD01

Tot Ion	59	Resp	59099
Ion Ratio	100	Lower	Upper
57	10.0	8.2	12.2

Manual Integrations
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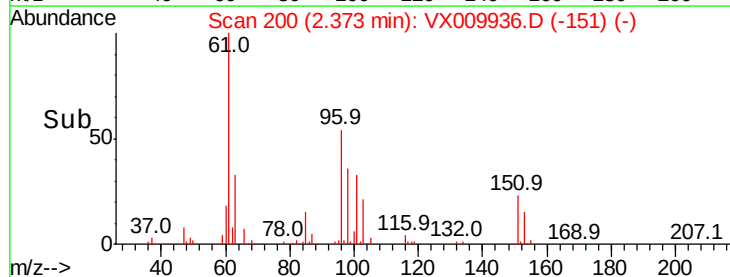
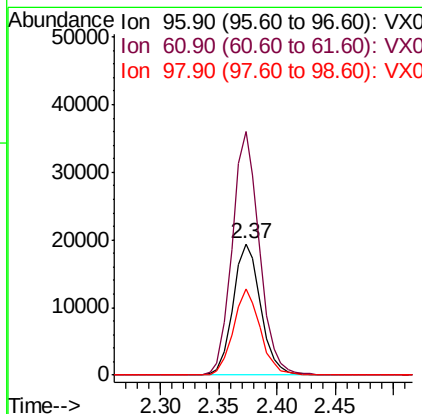
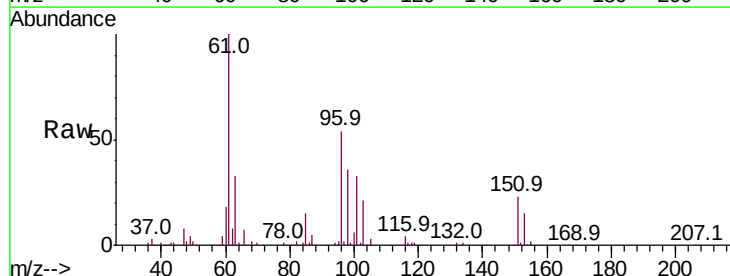
MMDadoda
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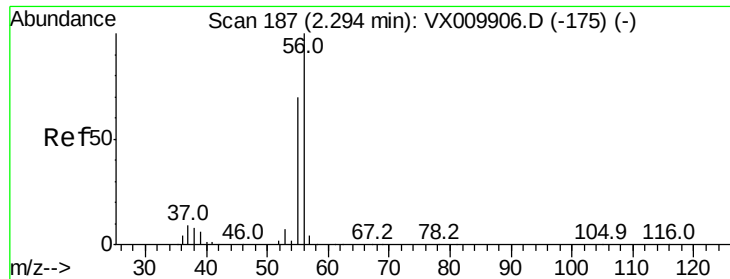


#12

1,1-Dichloroethene
 Concen: 19.548 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VX009936.D
 Acq: 29 May 2019 13:42

Tgt Ion	96	Resp	32035
Ion Ratio	100	Lower	Upper
61	185.5	140.7	211.1
98	65.9	50.1	75.1





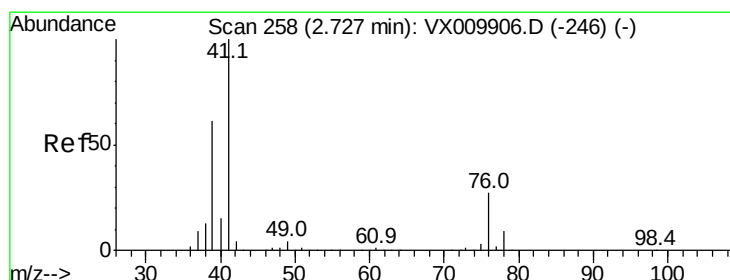
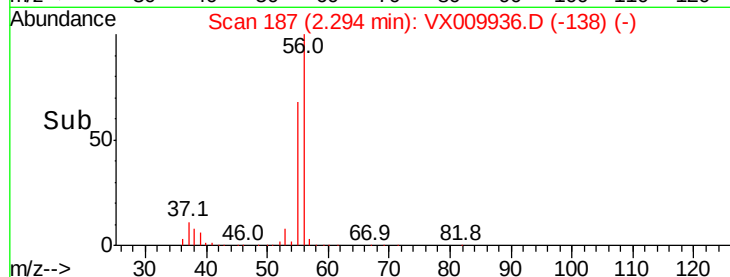
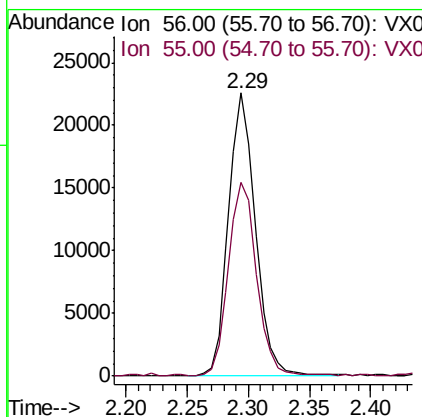
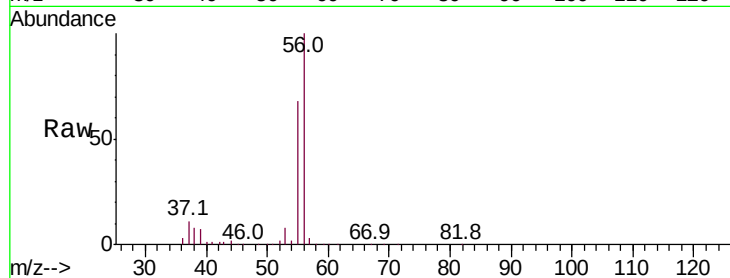
#13
Acrolein
Concen: 100.523 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX009936.D
Acq: 29 May 2019 13:42

Instrument :
MSVOA_X
ClientSampleId :
VX0529WBSD01

Tot Ion	56	Ratio	56	Resp	34590
Ion	56	100		Lower	Upper
	55	71.2		57.0	85.4

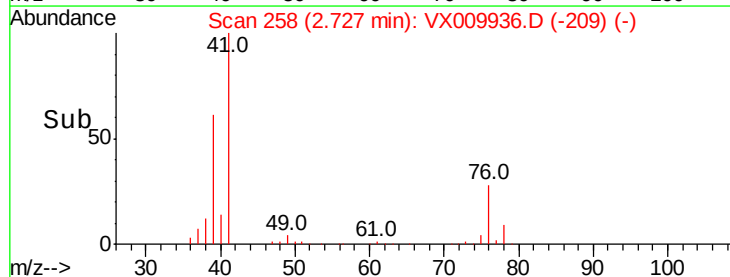
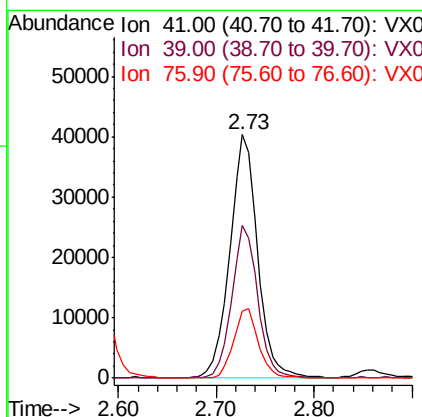
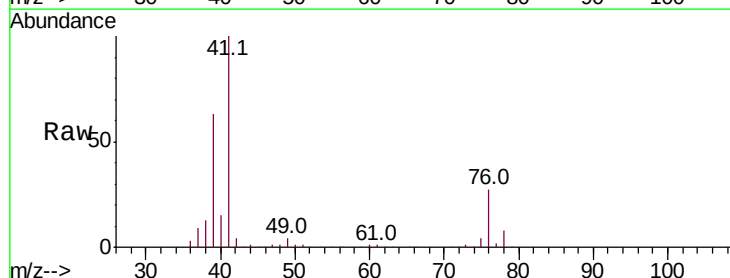
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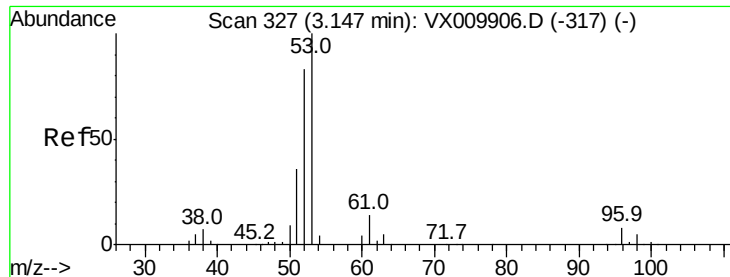
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#14
Allyl chloride
Concen: 19.802 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX009936.D
Acq: 29 May 2019 13:42

Tgt Ion	41	Ratio	41	Resp	78872
Ion	41	100		Lower	Upper
	39	59.3		46.7	70.1
	76	25.9		21.0	31.4





#15

Acrylonitrile

Concen: 98.803 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX009936.D

Acq: 29 May 2019 13:42

Instrument :

MSVOA_X

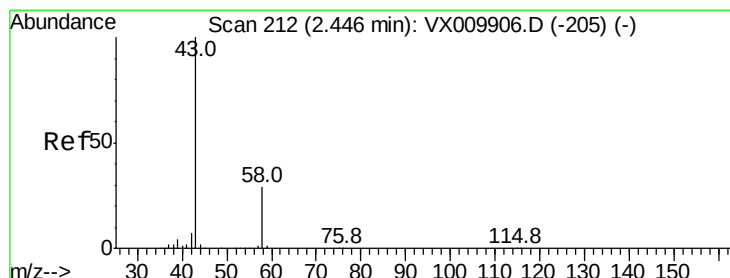
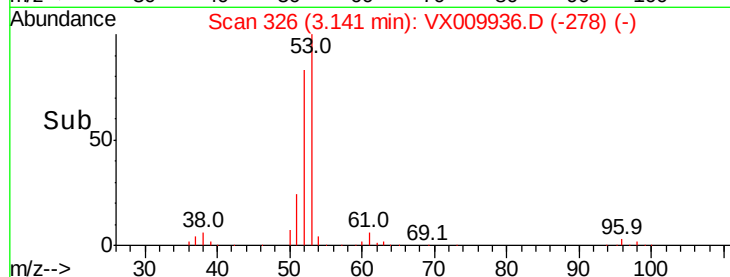
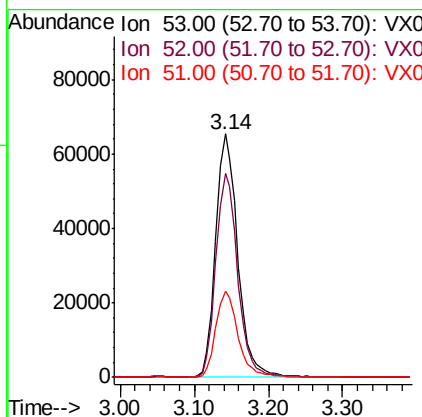
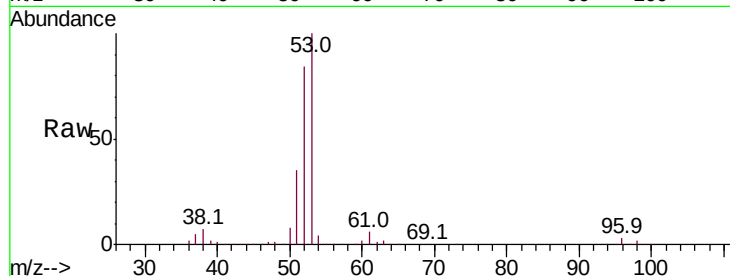
ClientSampleId :

VX0529WBSD01

Tot Ion:	53	Resp:	133922
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.7	100.1
51	35.8	28.8	43.2

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#16

Acetone

Concen: 95.199 ug/l

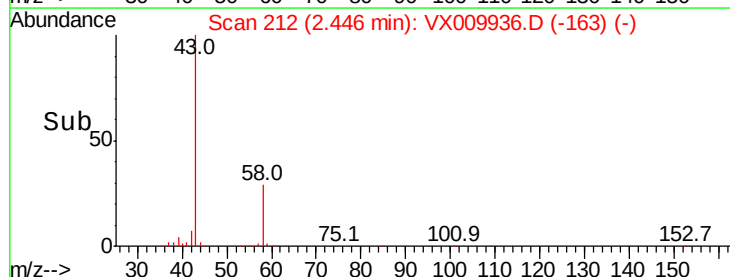
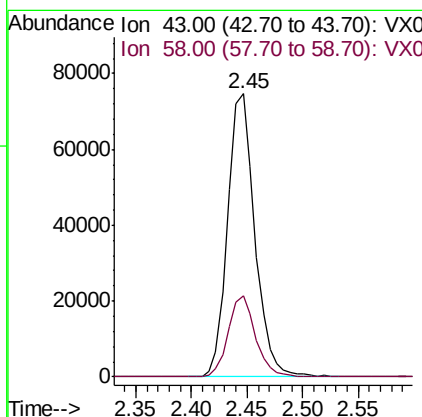
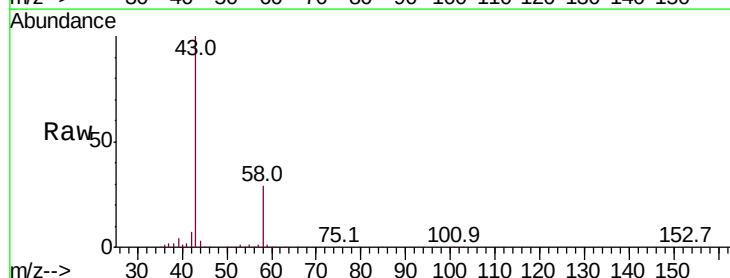
RT: 2.45 min Scan# 212

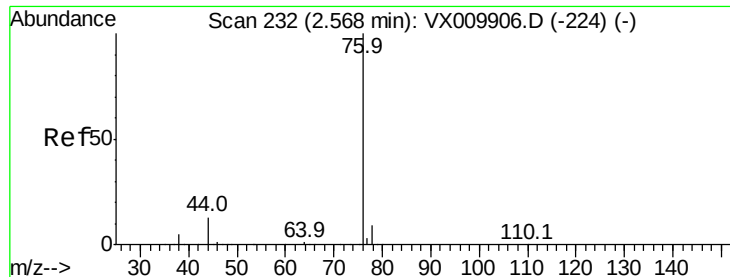
Delta R.T. 0.00 min

Lab File: VX009936.D

Acq: 29 May 2019 13:42

Tgt Ion:	43	Resp:	125730
Ion	Ratio	Lower	Upper
43	100		
58	28.6	23.2	34.8





#17

Carbon Disulfide

Concen: 19.749 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009936.D

Acq: 29 May 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBSD01

Tot Ion: 76 Resp: 96836

Ion Ratio Lower Upper

76 100

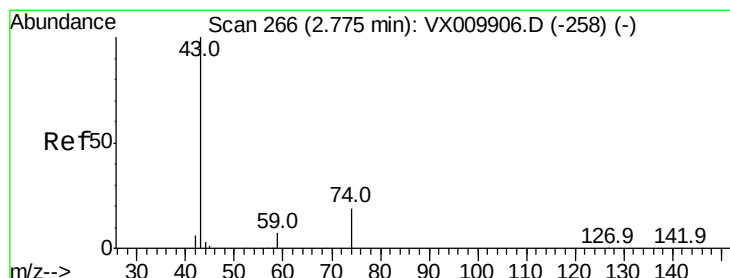
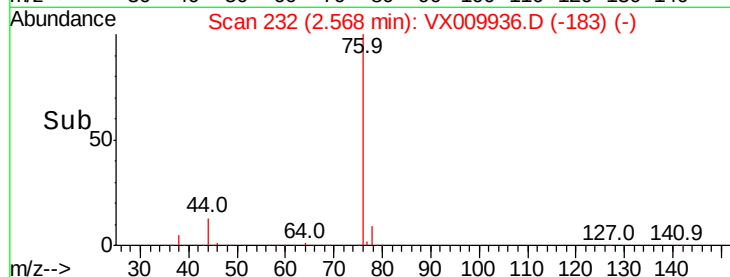
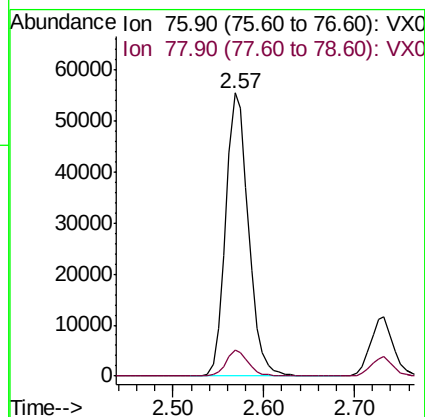
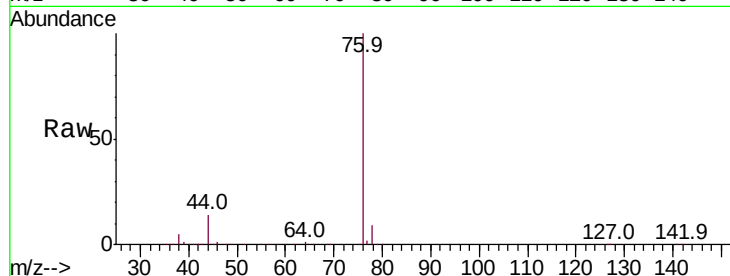
78 9.3 7.0 10.6

Manual Integrations

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#18

Methyl Acetate

Concen: 19.733 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX009936.D

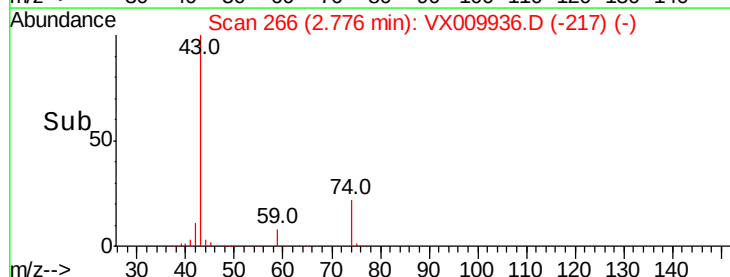
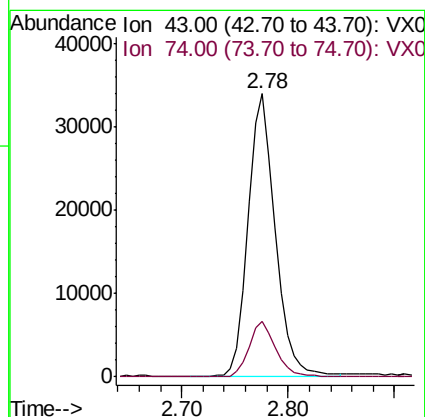
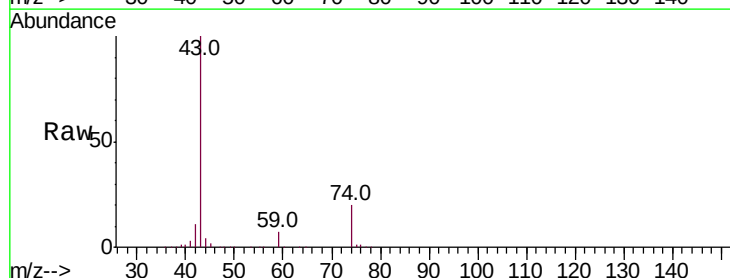
Acq: 29 May 2019 13:42

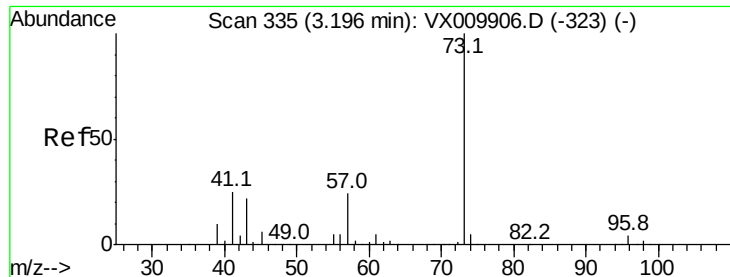
Tgt Ion: 43 Resp: 60643

Ion Ratio Lower Upper

43 100

74 19.7 15.8 23.6





#19

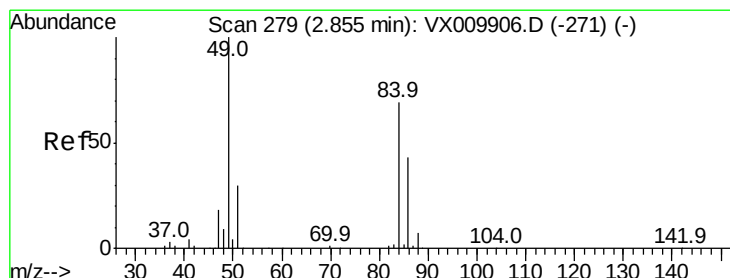
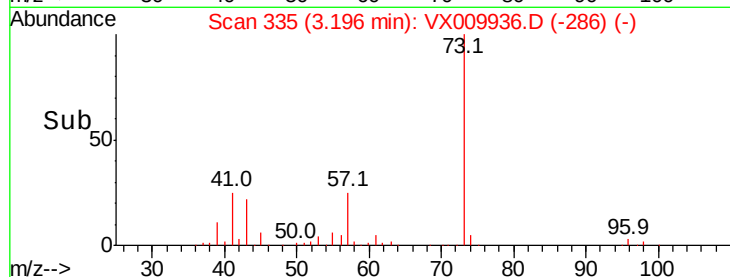
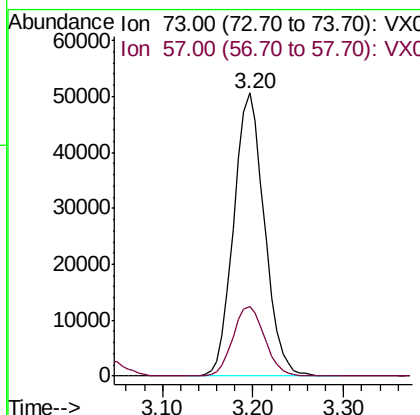
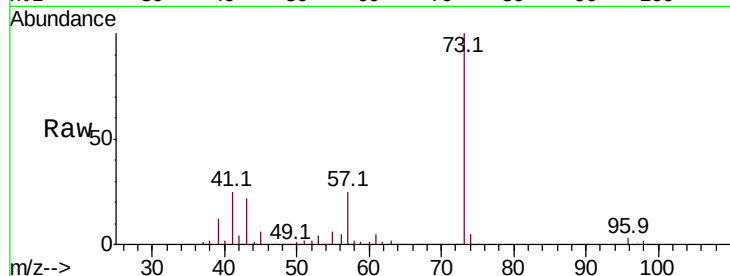
Methyl tert-butyl Ether
 Concen: 19.234 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VX009936.D
 Acq: 29 May 2019 13:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0529WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.7	19.4	29.2

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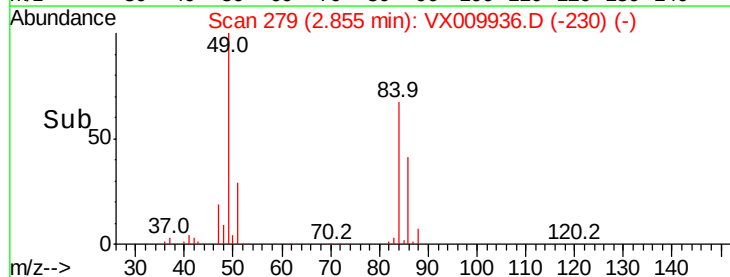
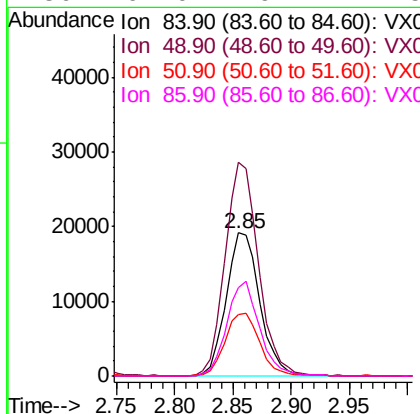
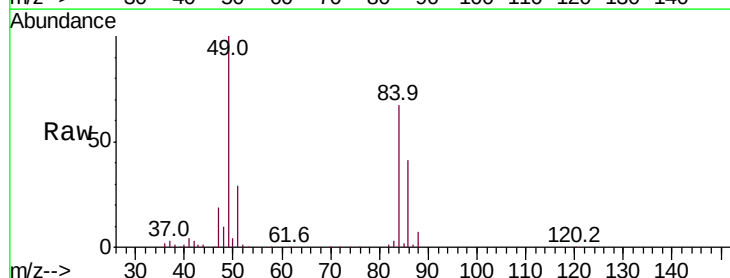
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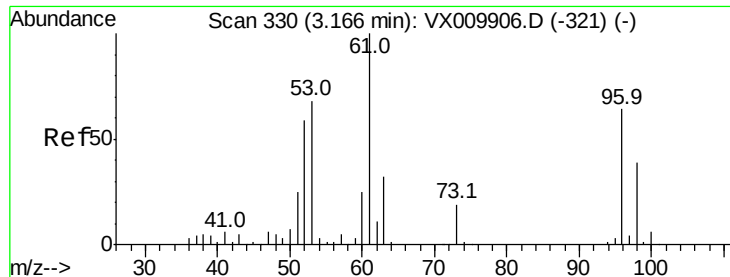


#20

Methylene Chloride
 Concen: 19.097 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX009936.D
 Acq: 29 May 2019 13:42

Tgt Ion	Ratio	Lower	Upper
84	100		
49	149.5	115.8	173.6
51	43.2	34.4	51.6
86	62.0	49.7	74.5





#21

trans-1,2-Dichloroethene

Concen: 19.130 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX009936.D

Acq: 29 May 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBSD01

Tot Ion: 96 Resp: 34882

Ion Ratio Lower Upper

96 100

61 162.0 125.7 188.5

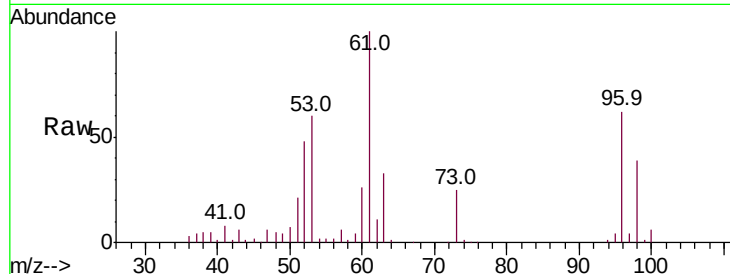
98 63.8 49.0 73.6

Manual Integrations

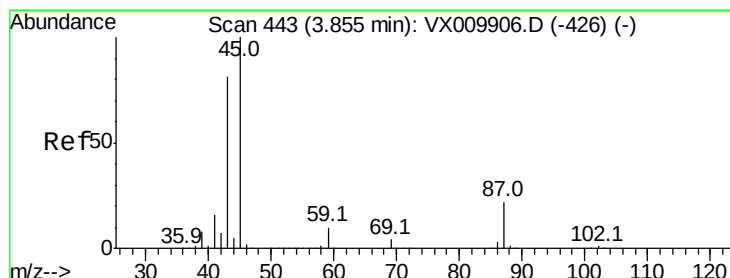
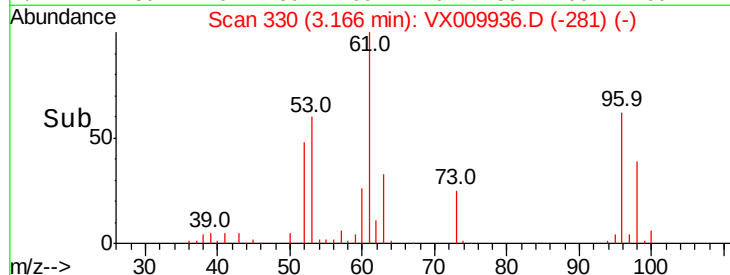
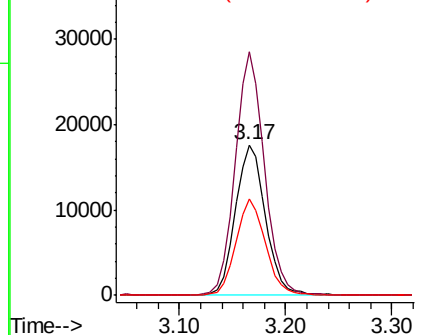
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Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 20.230 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009936.D

Acq: 29 May 2019 13:42

Tgt Ion: 45 Resp: 153319

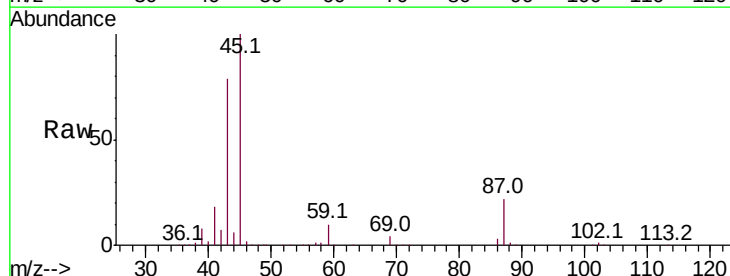
Ion Ratio Lower Upper

45 100

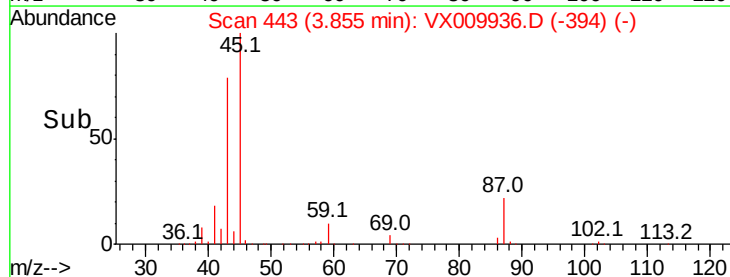
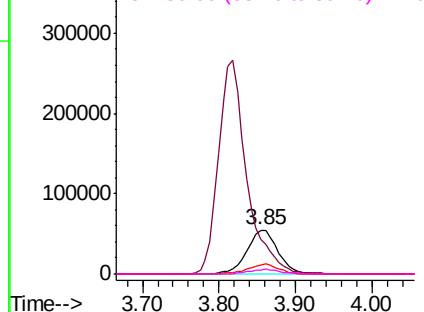
43 79.0 65.0 97.4

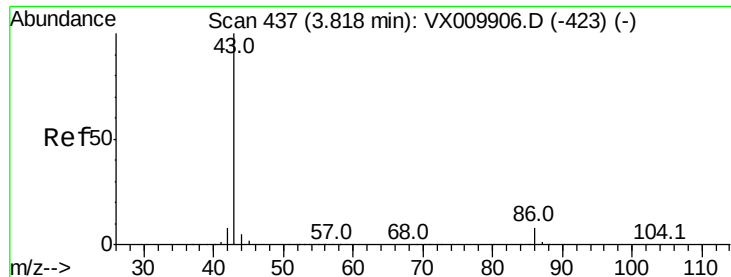
87 21.5 17.3 25.9

59 10.2 8.1 12.1



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





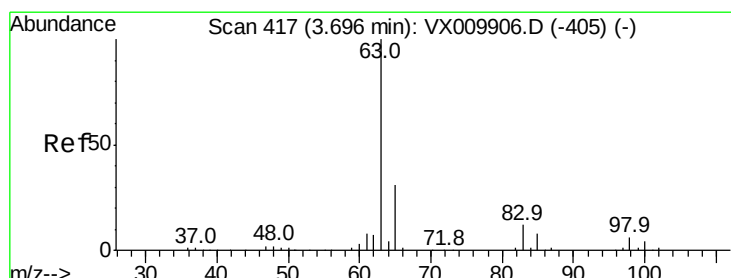
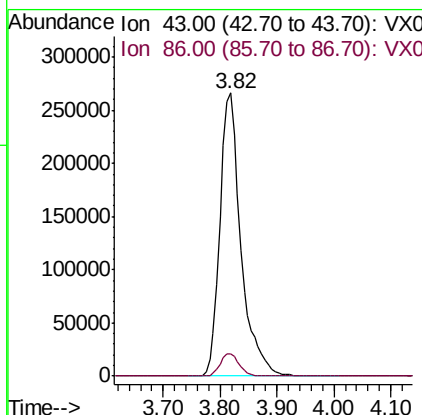
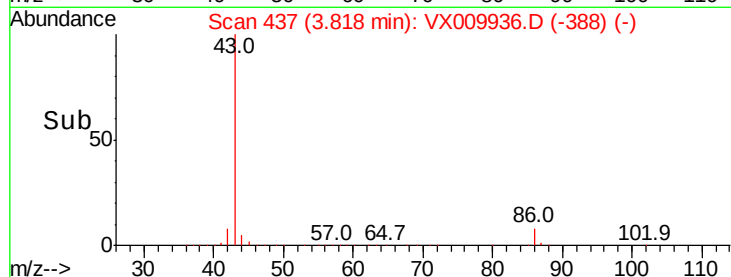
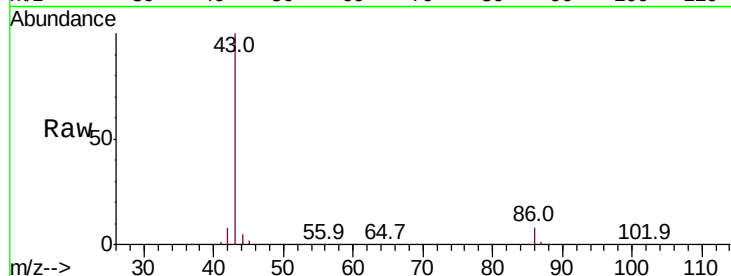
#23
 Vinyl Acetate
 Concen: 100.331 ug/l
 RT: 3.82 min Scan# 437
 Delta R.T. 0.00 min
 Lab File: VX009936.D
 Acq: 29 May 2019 13:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0529WBSD01

Tot Ion: 43 Resp: 683078
 Ion Ratio Lower Upper
 43 100
 86 8.0 6.5 9.7

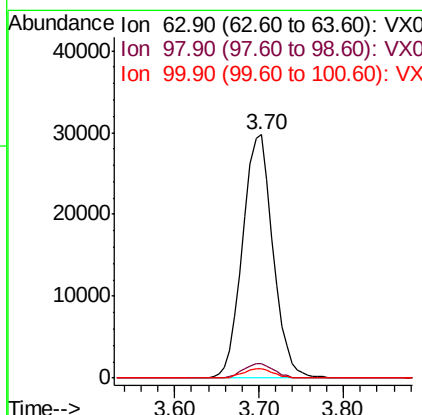
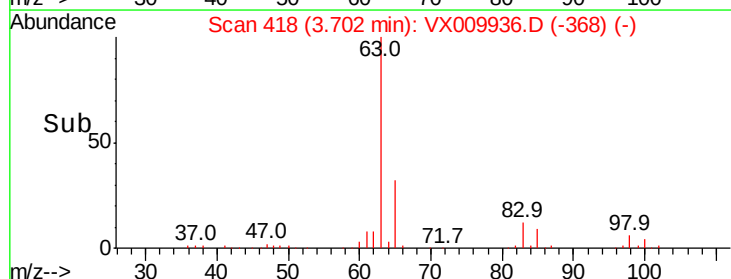
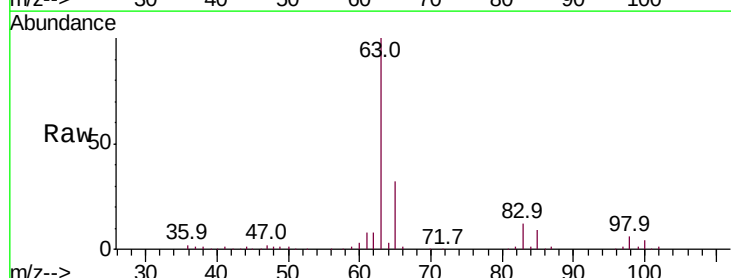
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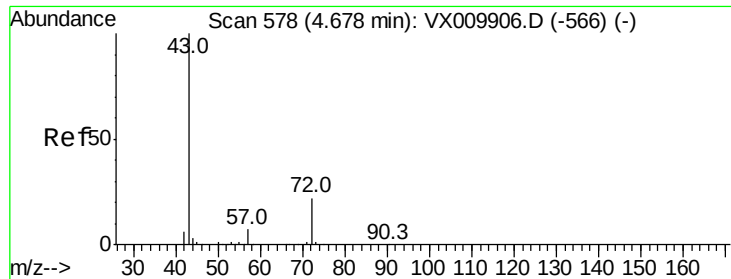
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#24
 1,1-Dichloroethane
 Concen: 19.734 ug/l
 RT: 3.70 min Scan# 418
 Delta R.T. 0.01 min
 Lab File: VX009936.D
 Acq: 29 May 2019 13:42

Tgt Ion: 63 Resp: 72476
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.9 8.8
 100 4.0 1.8 5.4





#25

2-Butanone

Concen: 99.698 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.00 min

Lab File: VX009936.D

Acq: 29 May 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBSD01

Tot Ion: 43 Resp: 205143

Ion Ratio Lower Upper

43 100

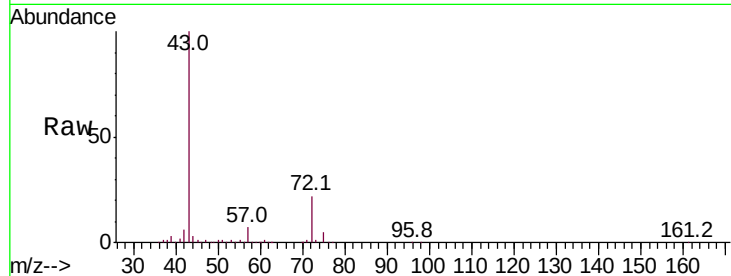
72 21.6 17.5 26.3

Manual Integrations

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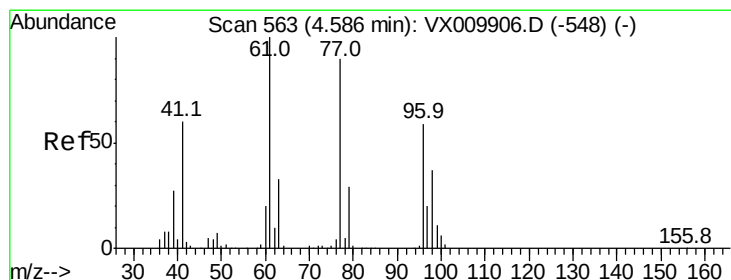
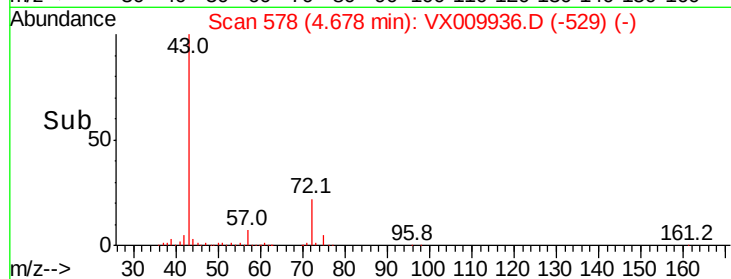
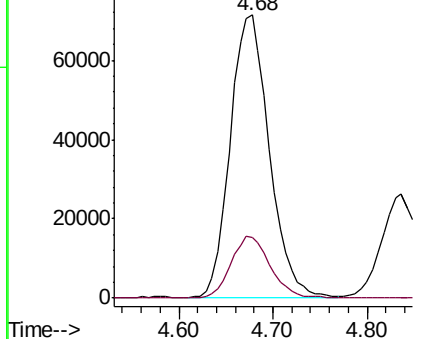
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 18.112 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX009936.D

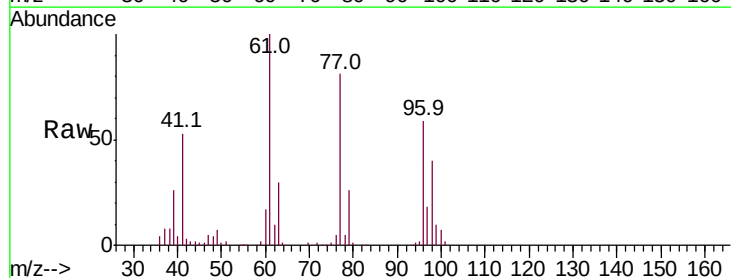
Acq: 29 May 2019 13:42

Tgt Ion: 77 Resp: 50319

Ion Ratio Lower Upper

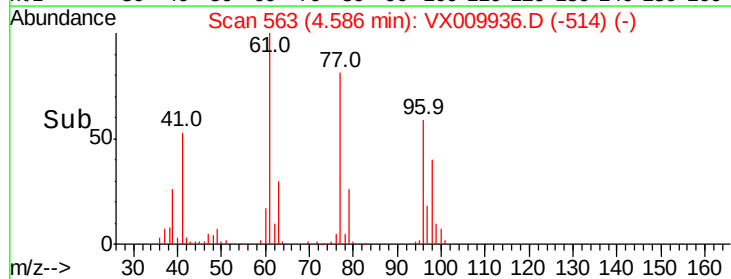
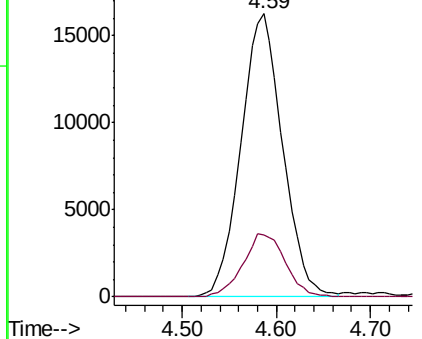
77 100

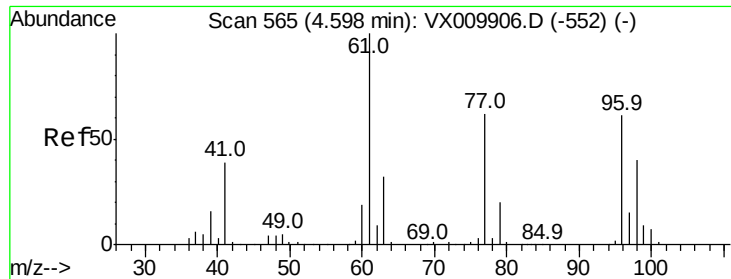
97 22.6 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

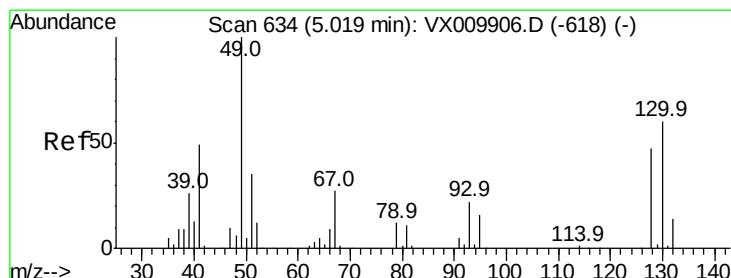
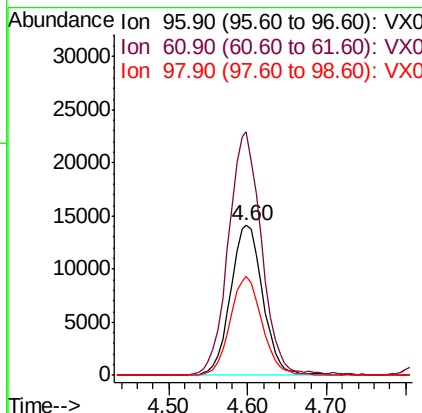
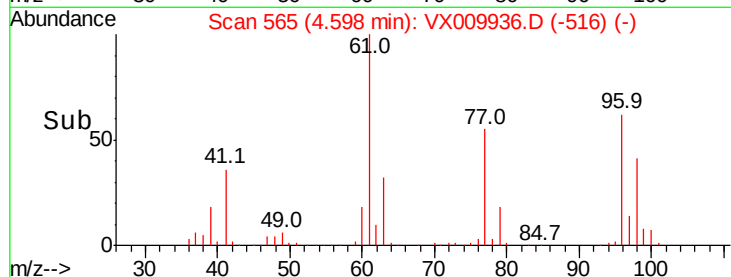
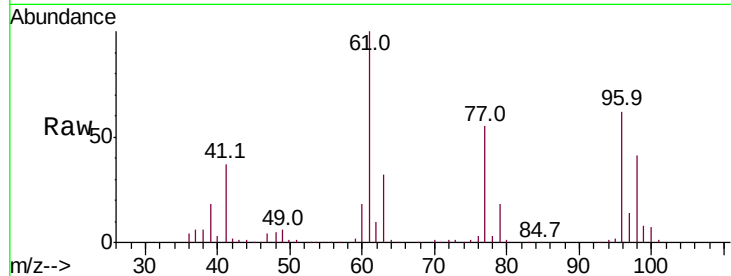
cis-1,2-Dichloroethene
Concen: 19.096 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX009936.D
Acq: 29 May 2019 13:42

Instrument :
MSVOA_X
ClientSampleId :
VX0529WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	166.8	0.0	334.0
98	65.0	0.0	131.6

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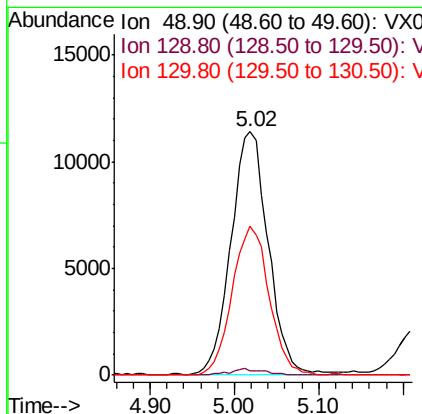
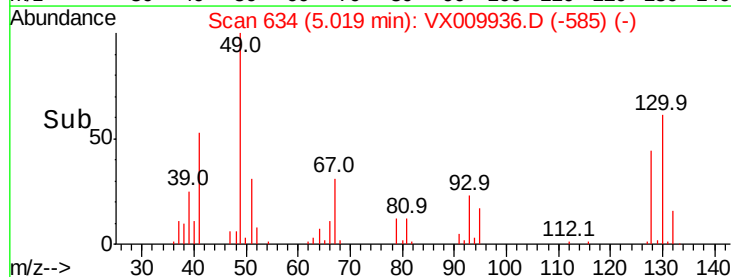
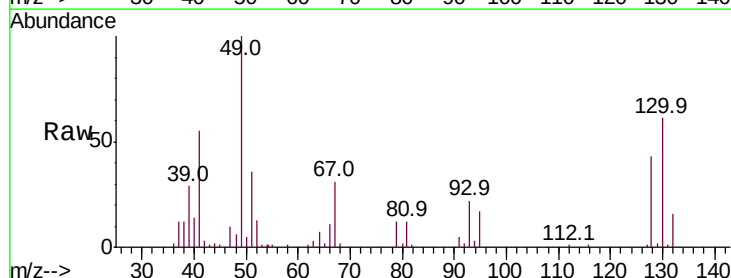
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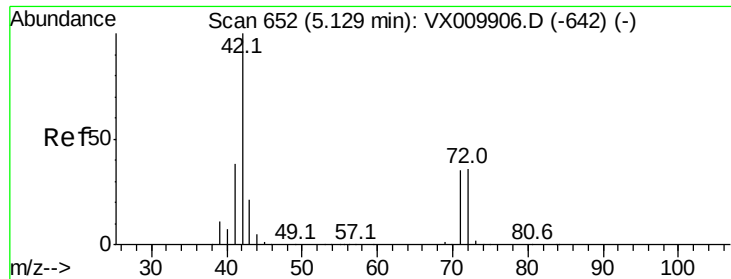


#28

Bromochloromethane
Concen: 17.981 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX009936.D
Acq: 29 May 2019 13:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	3.4
130	60.3	49.4	74.2





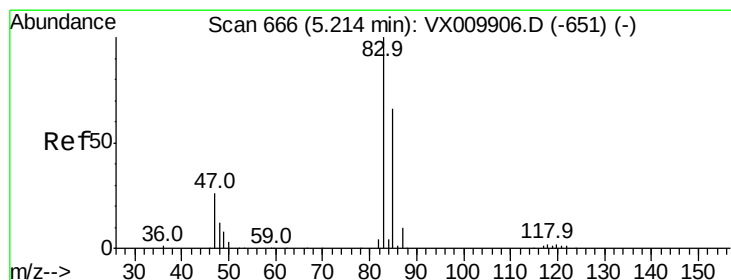
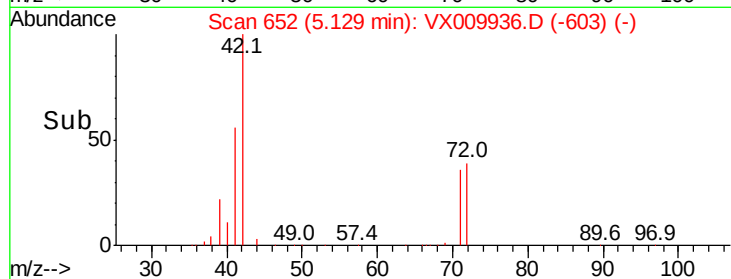
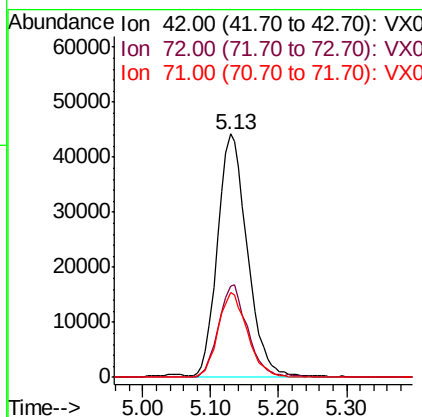
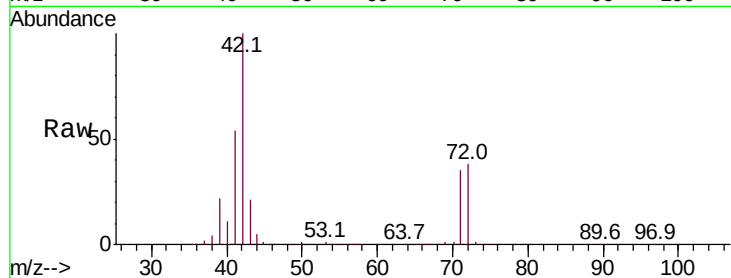
#29
Tetrahydrofuran
Concen: 101.028 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX009936.D
Acq: 29 May 2019 13:42

Instrument :
MSVOA_X
ClientSampleId :
VX0529WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.7	29.2	43.8
71	34.5	27.6	41.4

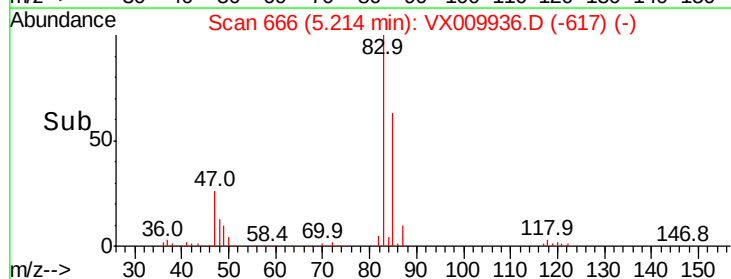
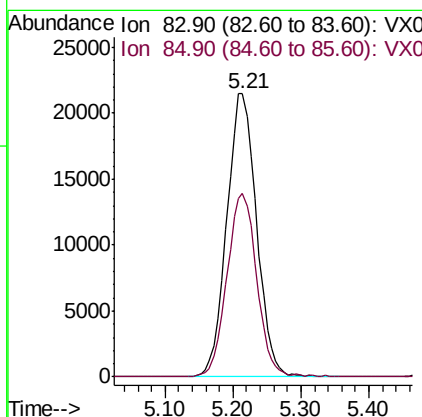
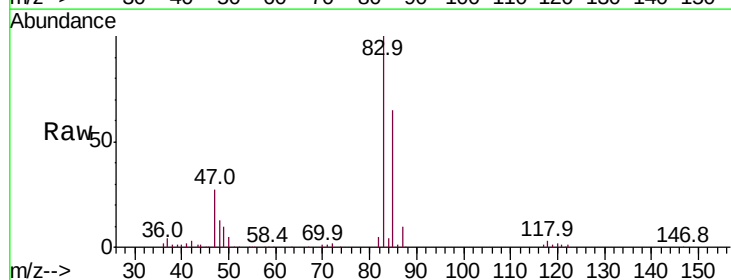
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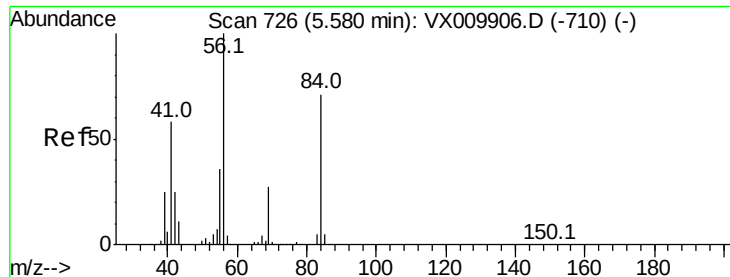
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#30
Chloroform
Concen: 19.710 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX009936.D
Acq: 29 May 2019 13:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.6	78.8





#31

Cyclohexane

Concen: 20.026 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX009936.D

Acq: 29 May 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBSD01

Tot Ion: 56 Resp: 69663

Ion Ratio Lower Upper

56 100

69 29.2 21.6 32.4

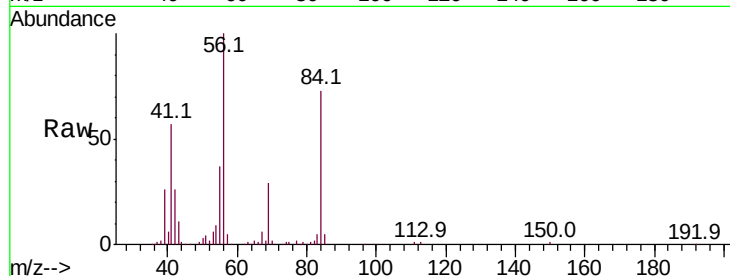
84 71.9 56.8 85.2

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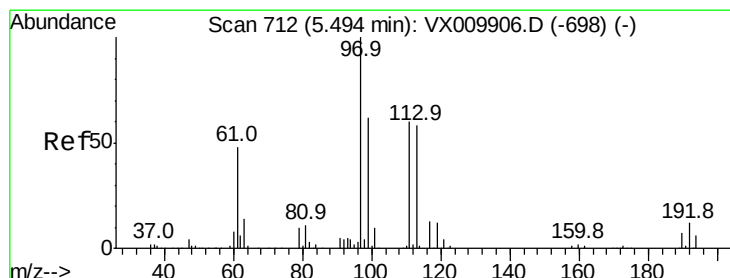
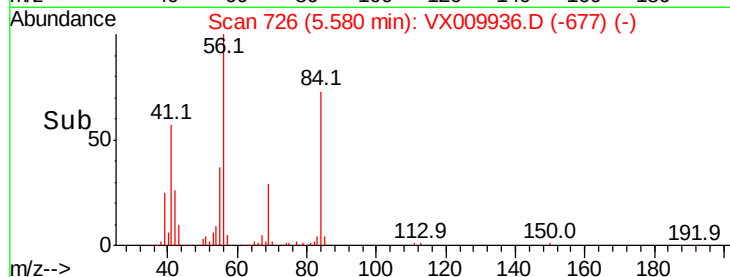
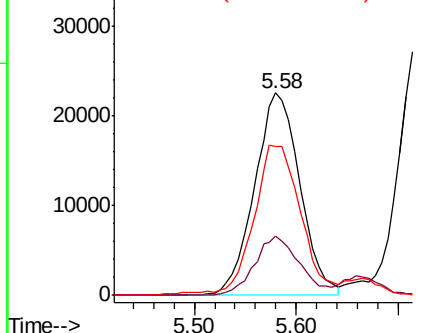
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 19.904 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009936.D

Acq: 29 May 2019 13:42

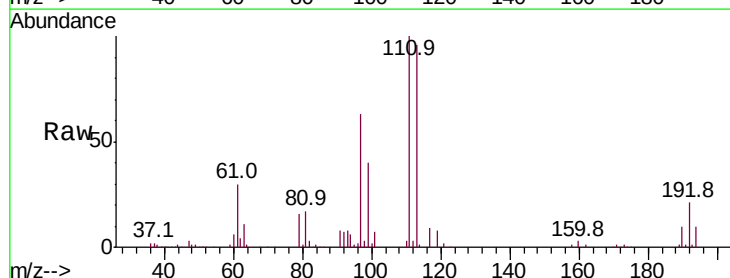
Tgt Ion: 97 Resp: 53692

Ion Ratio Lower Upper

97 100

99 64.6 51.0 76.4

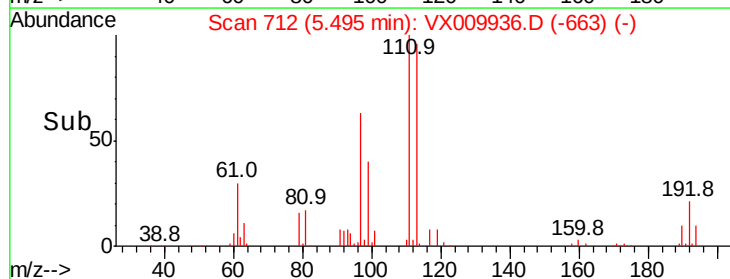
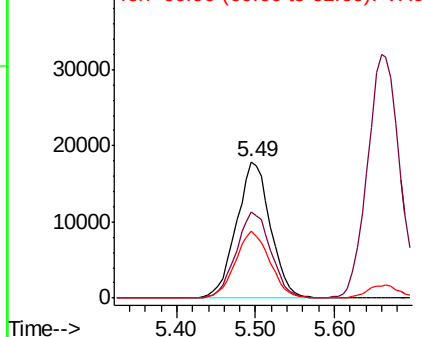
61 49.5 38.7 58.1

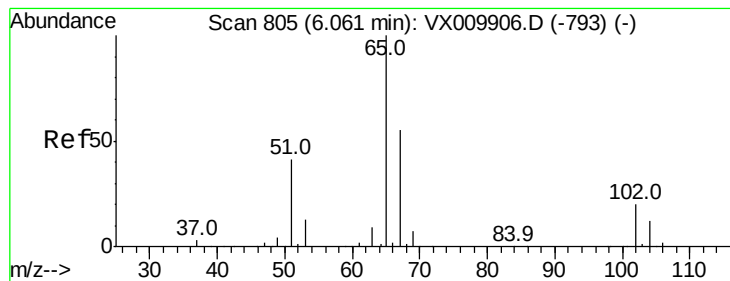


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 49.736 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009936.D

Acq: 29 May 2019 13:42

Instrument :

MSVOA_X

ClientSampled :

VX0529WBSD01

Tot Ion: 65 Resp: 113690

Ion Ratio Lower Upper

65 100

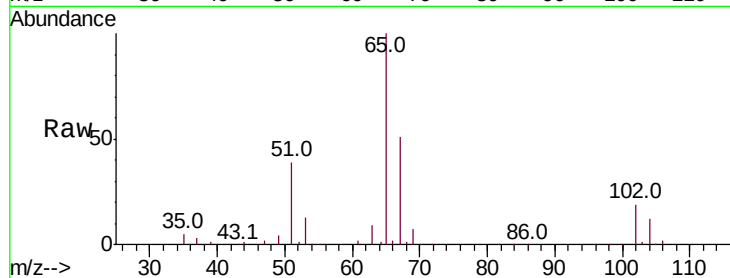
67 53.4 0.0 108.4

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

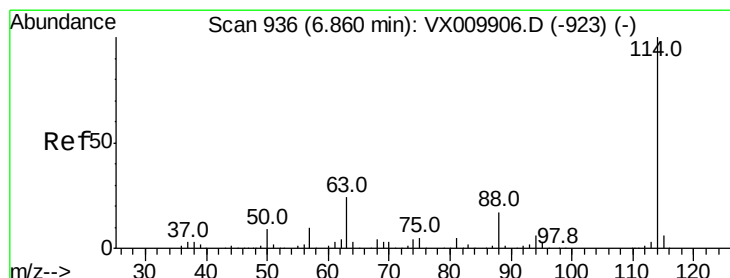
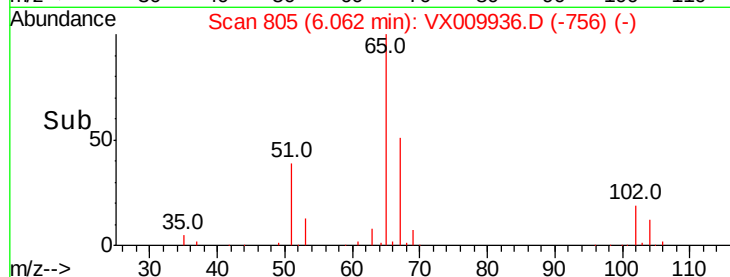
30000

20000

10000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009936.D

Acq: 29 May 2019 13:42

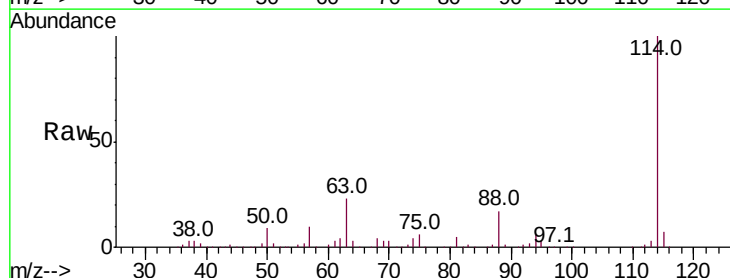
Tgt Ion:114 Resp: 257498

Ion Ratio Lower Upper

114 100

63 23.2 0.0 47.4

88 16.6 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

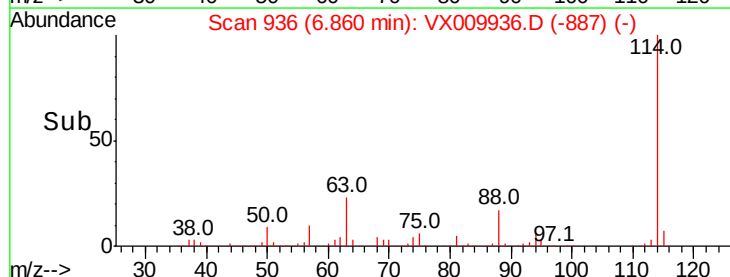
150000

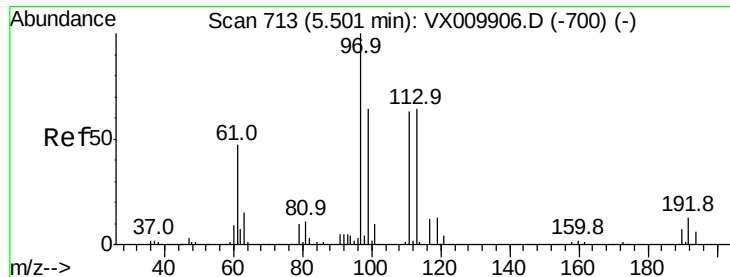
100000

50000

0

Time--> 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 49.889 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX009936.D

Acq: 29 May 2019 13:42

Instrument :

MSVOA_X

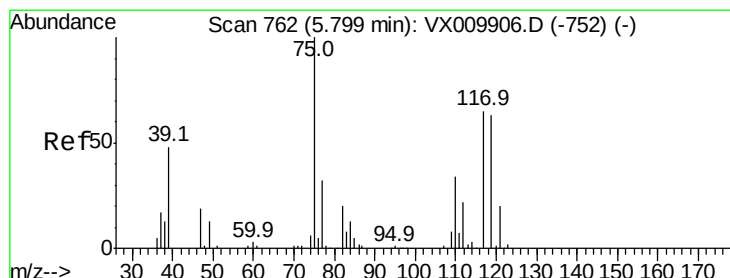
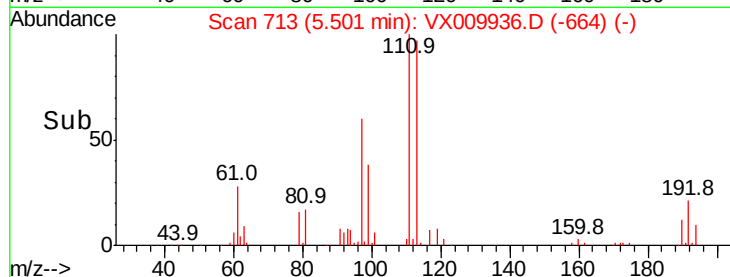
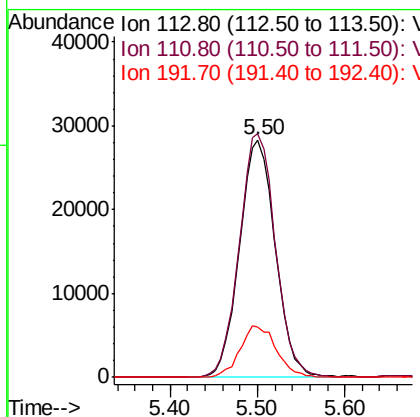
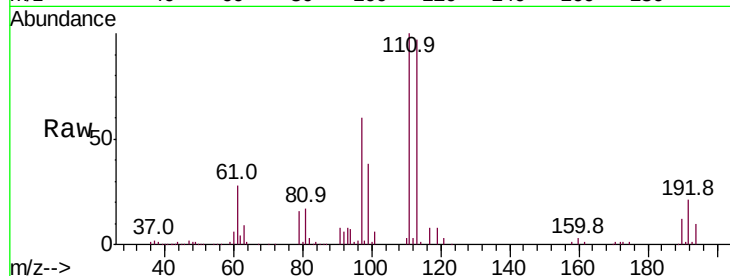
ClientSampleId :

VX0529WBSD01

Tot Ion:	113	Resp:	80765
Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.2	123.2
192	21.8	17.1	25.7

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#36

1,1-Dichloropropene

Concen: 19.098 ug/l

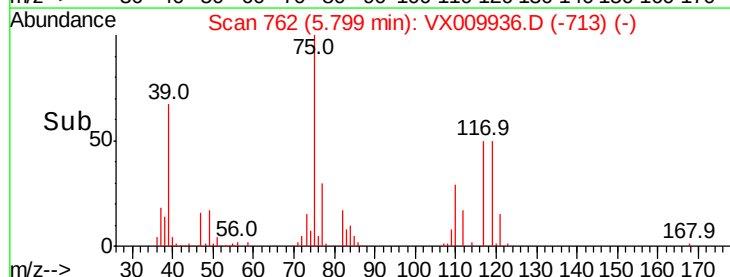
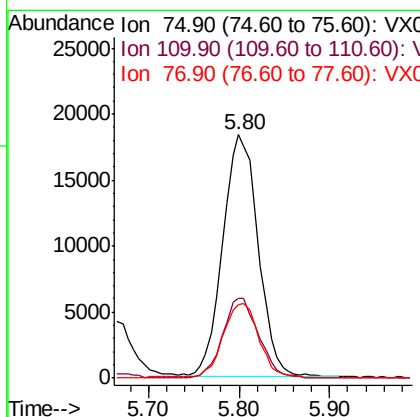
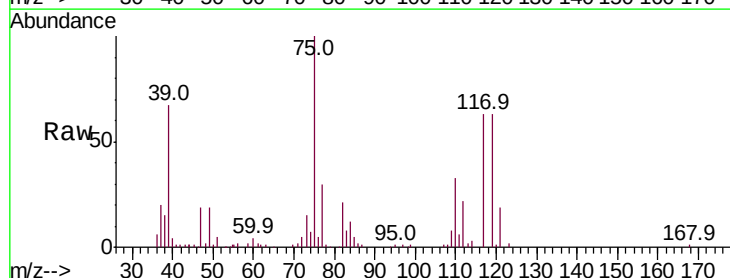
RT: 5.80 min Scan# 762

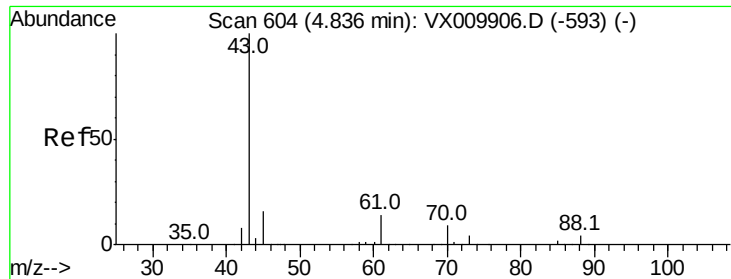
Delta R.T. 0.00 min

Lab File: VX009936.D

Acq: 29 May 2019 13:42

Tgt Ion:	75	Resp:	49897
Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.7	50.1
77	31.6	25.0	37.4





#37

Ethyl Acetate

Concen: 20.526 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX009936.D

Acq: 29 May 2019 13:42

Instrument :

MSVOA_X

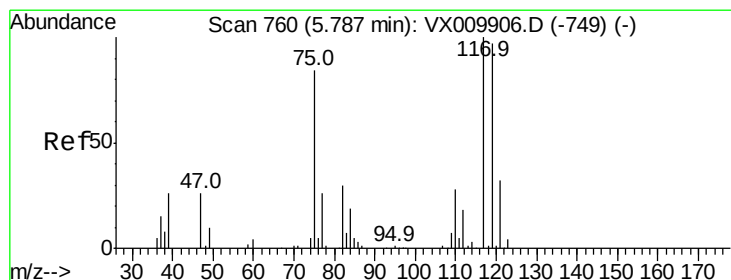
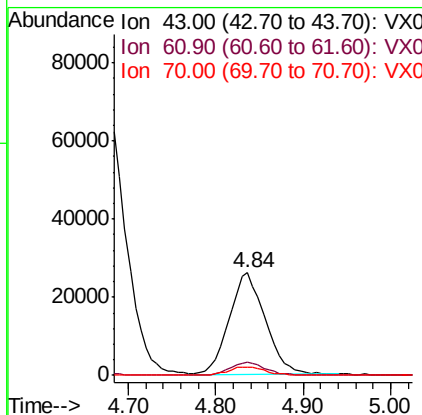
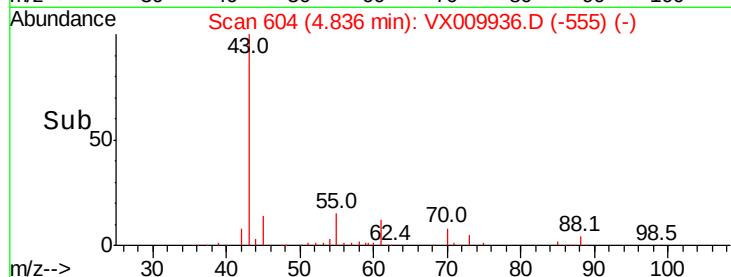
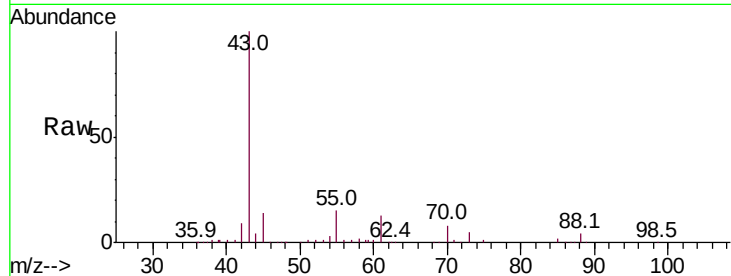
ClientSampleId :

VX0529WBSD01

Tot Ion:	43	Resp:	74721
Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.2	15.2
70	9.1	7.4	11.2

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#38

Carbon Tetrachloride

Concen: 19.564 ug/l

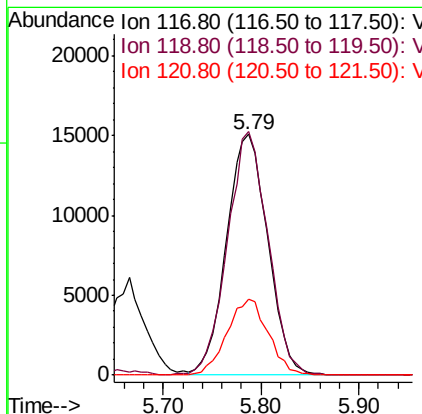
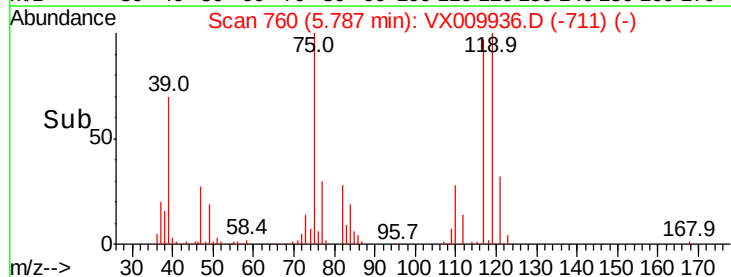
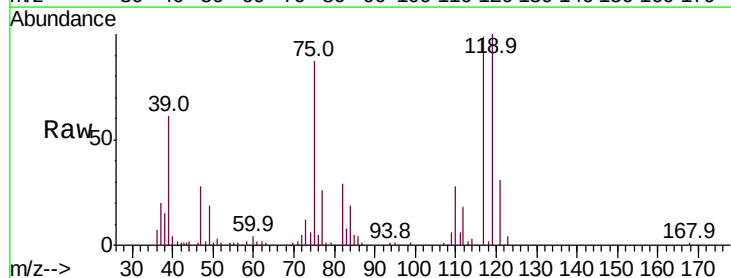
RT: 5.79 min Scan# 760

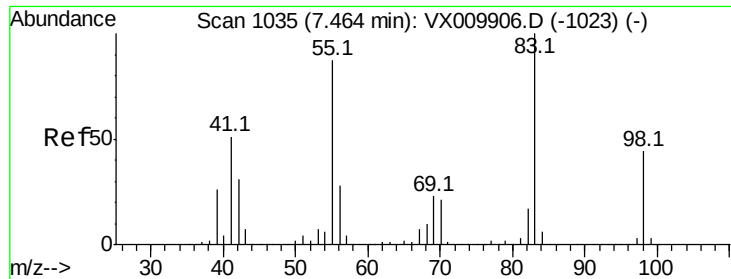
Delta R.T. 0.00 min

Lab File: VX009936.D

Acq: 29 May 2019 13:42

Tgt Ion:	117	Resp:	44169
Ion	Ratio	Lower	Upper
117	100		
119	101.2	77.3	115.9
121	31.6	25.4	38.0





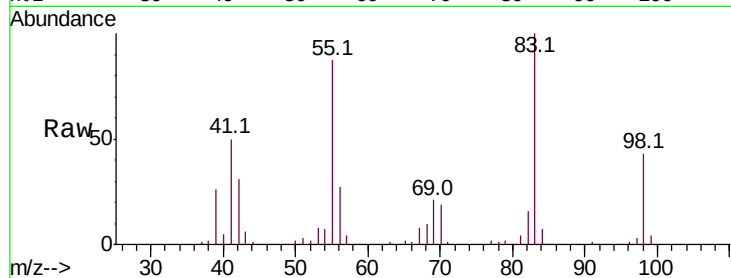
#39
Methylvlcyclohexane
Concen: 19.857 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009936.D
Acq: 29 May 2019 13:42

Instrument :
MSVOA_X
ClientSampled :
VX0529WBSD01

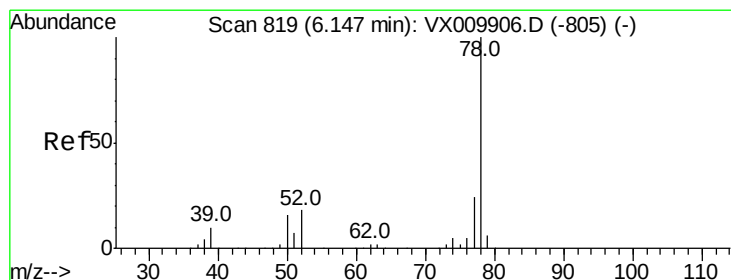
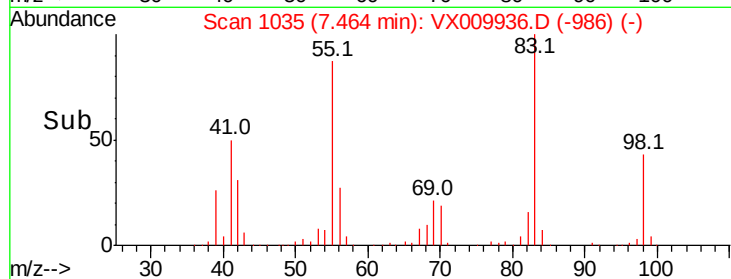
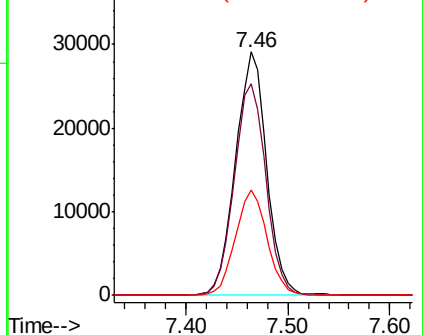
Tot Ion	Ratio	Lower	Upper
83	100		
55	87.1	69.9	104.9
98	43.0	35.1	52.7

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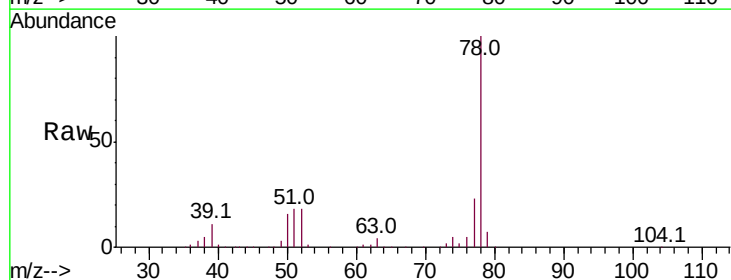


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

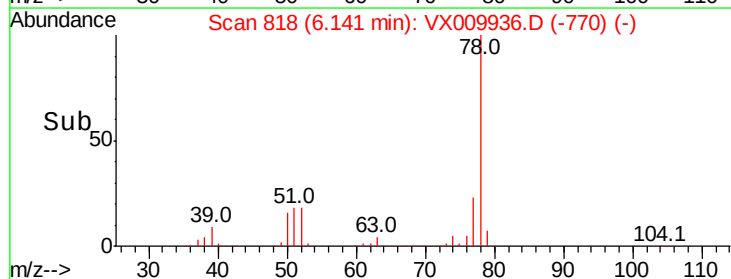
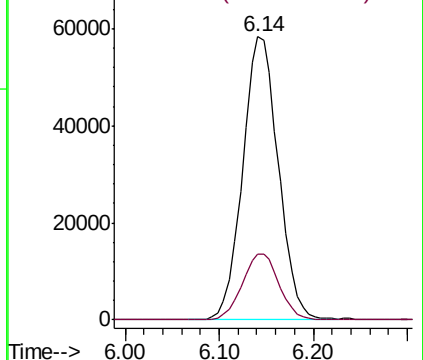


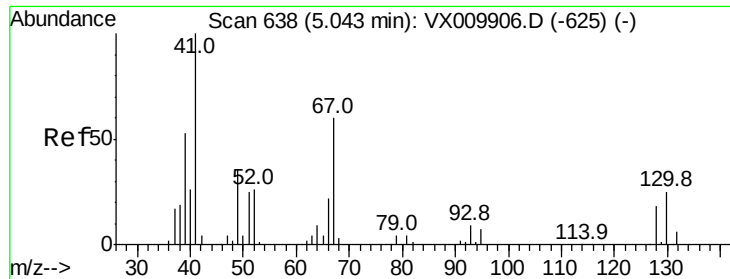
#40
Benzene
Concen: 19.950 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX009936.D
Acq: 29 May 2019 13:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.2	28.8



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





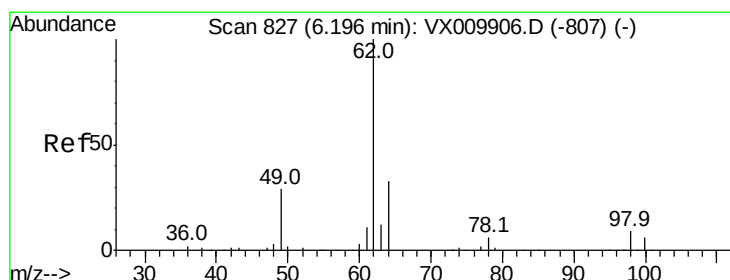
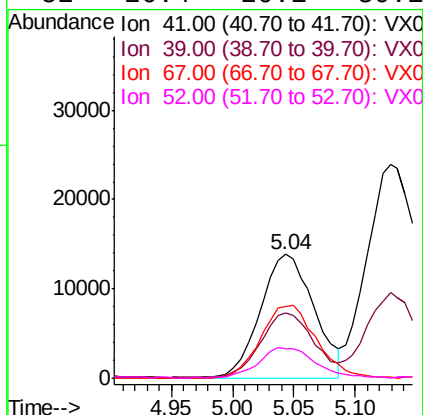
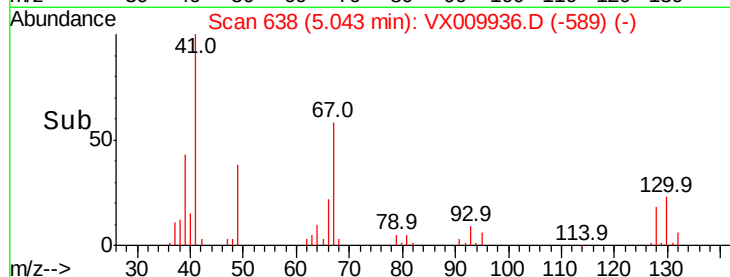
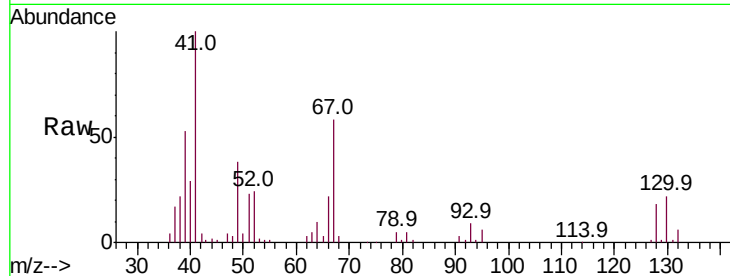
#41
Methacrylonitrile
Concen: 19.965 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX009936.D
Acq: 29 May 2019 13:42

Instrument :
MSVOA_X
ClientSampled :
VX0529WBSD01

Tot Ion:	41	Resp:	42469
Ion	Ratio	Lower	Upper
41	100		
39	53.2	42.2	63.4
67	61.2	48.9	73.3
52	26.4	20.1	30.1

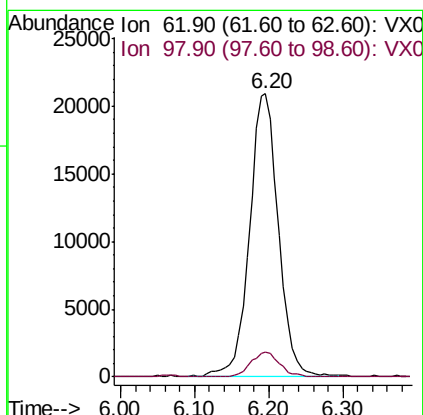
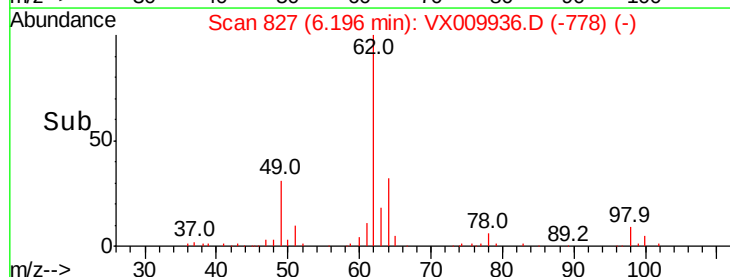
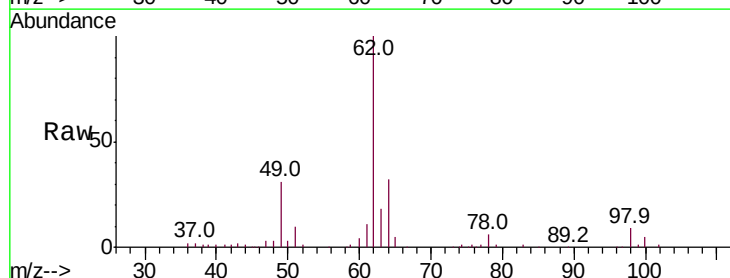
Manual Integrations
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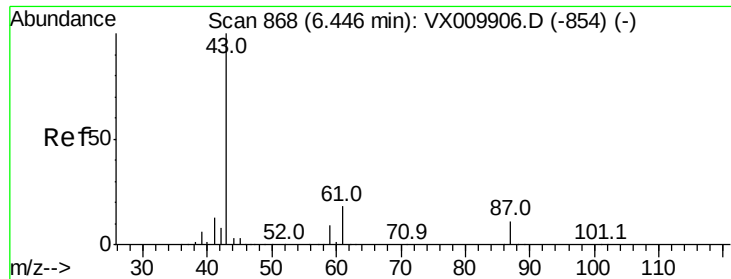
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#42
1,2-Dichloroethane
Concen: 19.888 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX009936.D
Acq: 29 May 2019 13:42

Tgt Ion:	62	Resp:	56984
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.2





#43

Isopropyl Acetate

Concen: 19.512 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX009936.D

Acq: 29 May 2019 13:42

Instrument :

MSVOA_X

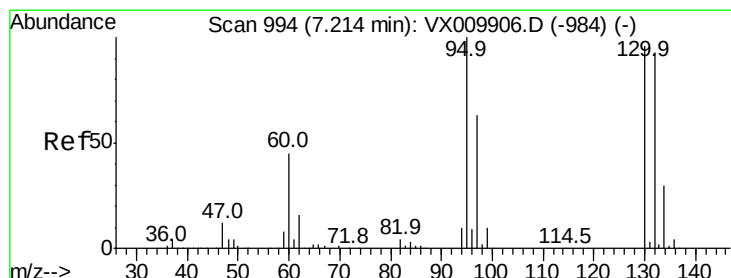
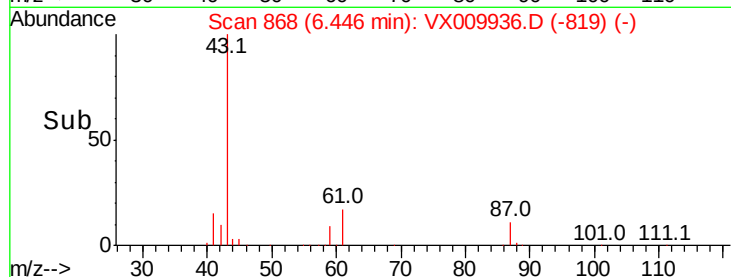
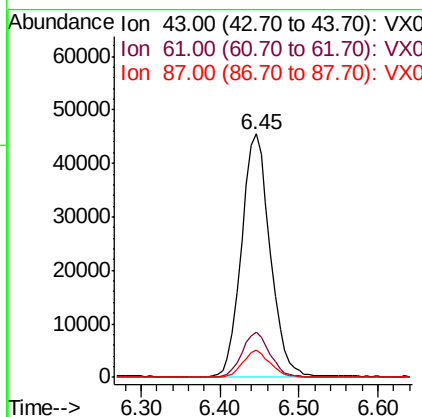
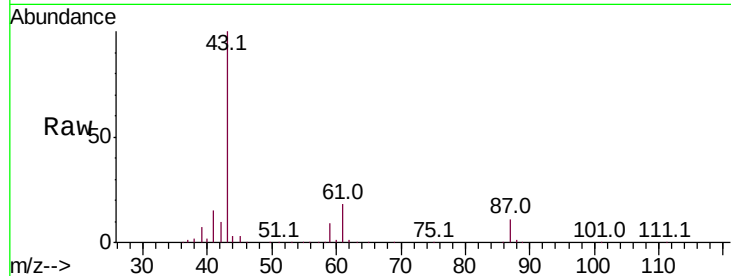
ClientSampleId :

VX0529WBSD01

Tot Ion:	43	Resp:	114611
Ion	Ratio	Lower	Upper
43	100		
61	17.8	14.6	21.8
87	10.8	8.7	13.1

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#44

Trichloroethene

Concen: 19.108 ug/l

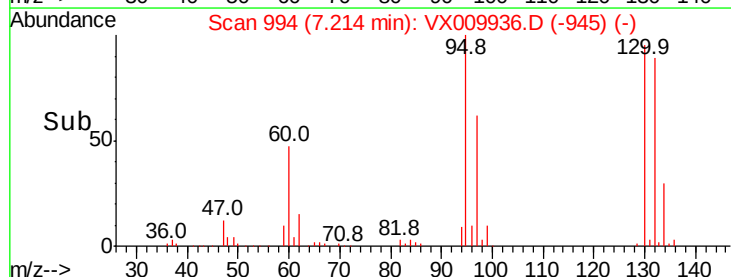
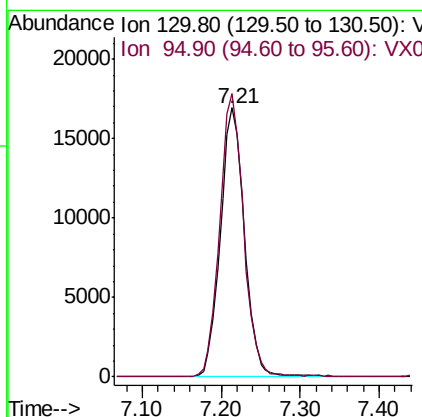
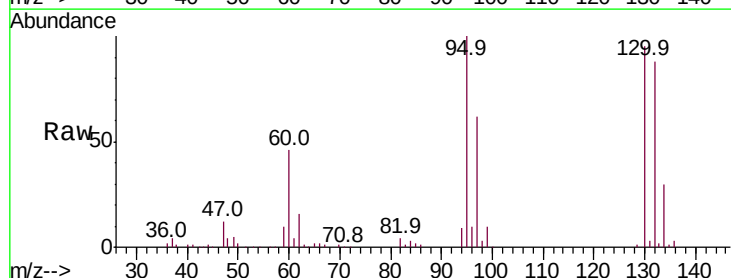
RT: 7.21 min Scan# 994

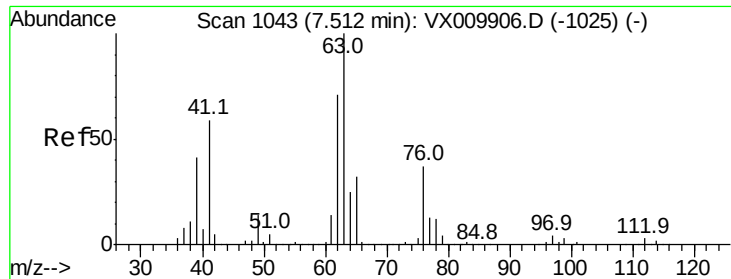
Delta R.T. 0.00 min

Lab File: VX009936.D

Acq: 29 May 2019 13:42

Tgt Ion:	130	Resp:	35972
Ion	Ratio	Lower	Upper
130	100		
95	105.2	0.0	207.4





#45

1,2-Dichloropropane

Concen: 19.774 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX009936.D

Acq: 29 May 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBSD01

Tot Ion: 63 Resp: 44117

Ion Ratio Lower Upper

63 100

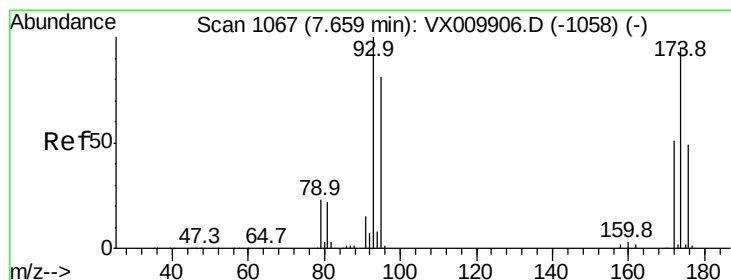
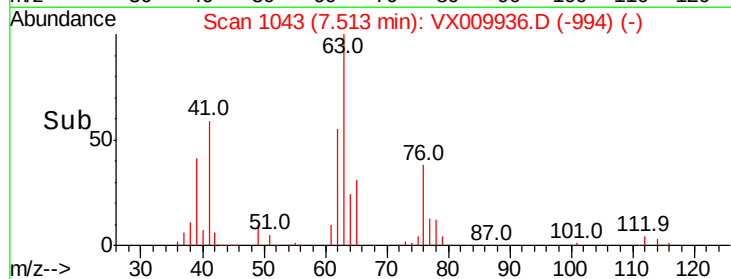
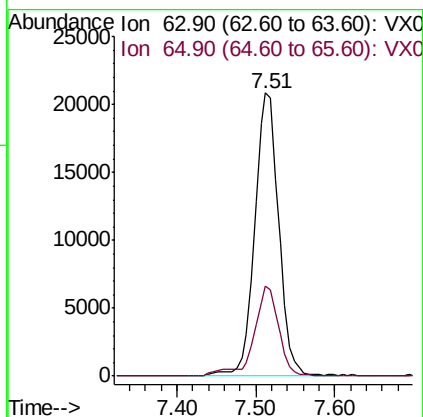
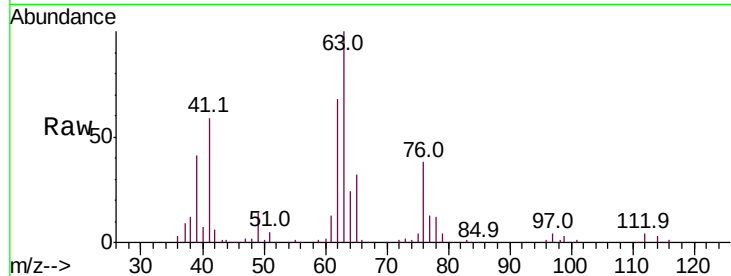
65 32.1 25.7 38.5

Manual Integrations

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#46

Dibromomethane

Concen: 18.761 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009936.D

Acq: 29 May 2019 13:42

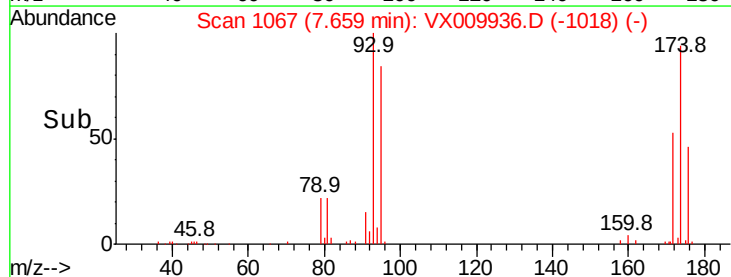
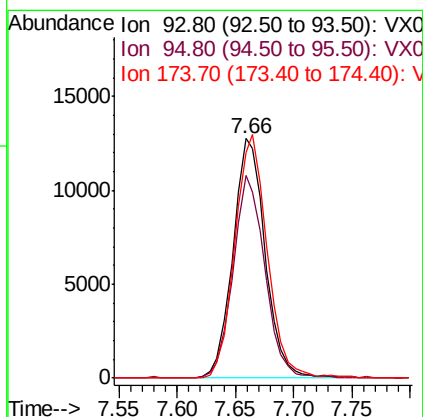
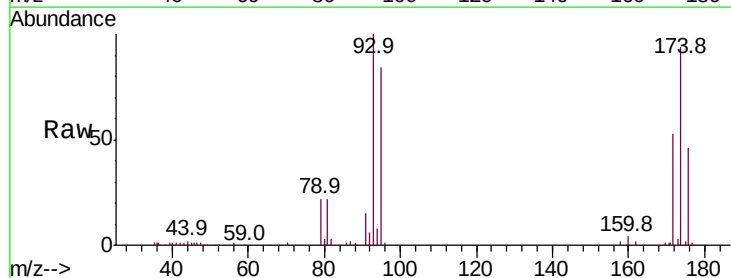
Tgt Ion: 93 Resp: 24638

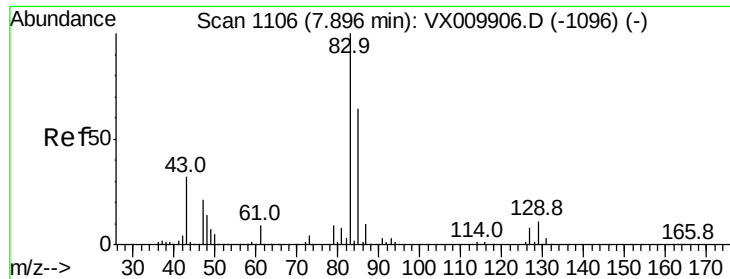
Ion Ratio Lower Upper

93 100

95 83.5 66.8 100.2

174 101.6 81.9 122.9





#47

Bromodichloromethane

Concen: 19.947 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009936.D

Acq: 29 May 2019 13:42

Instrument :

MSVOA_X

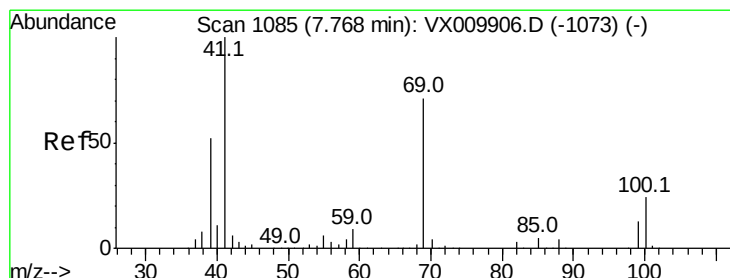
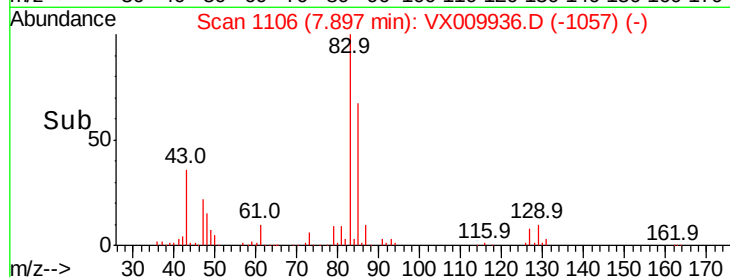
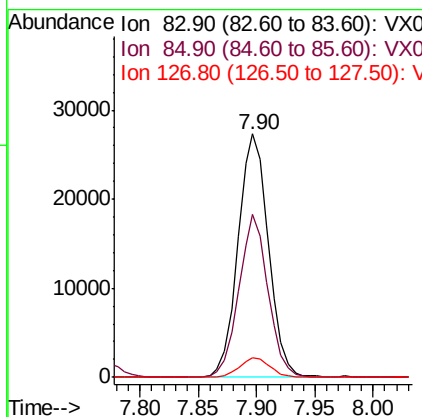
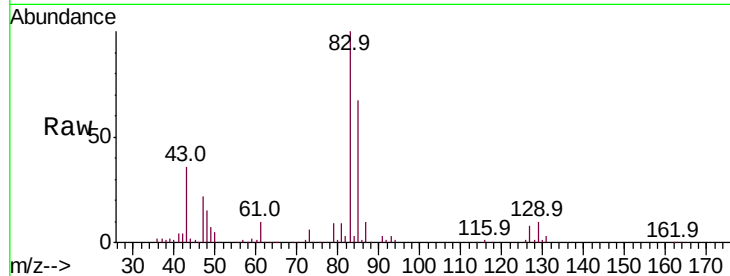
ClientSampleId :

VX0529WBSD01

Tot Ion:	83	Resp:	49814
Ion	Ratio	Lower	Upper
83	100		
85	67.0	51.4	77.2
127	8.2	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.564 ug/l

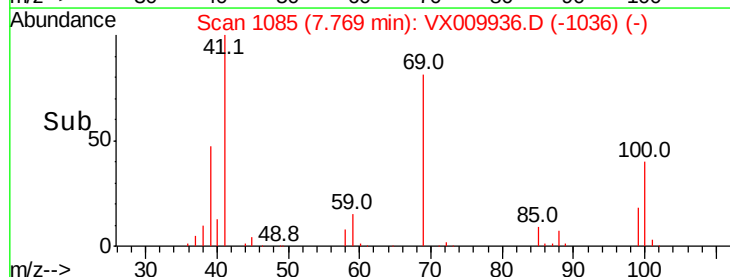
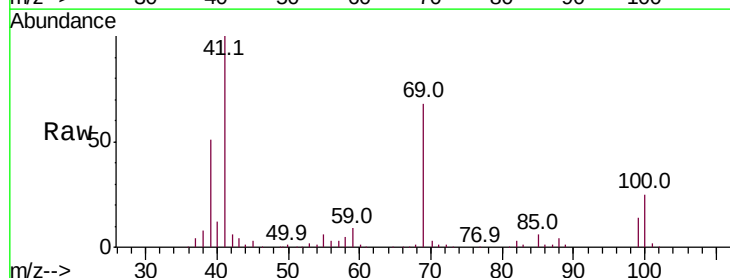
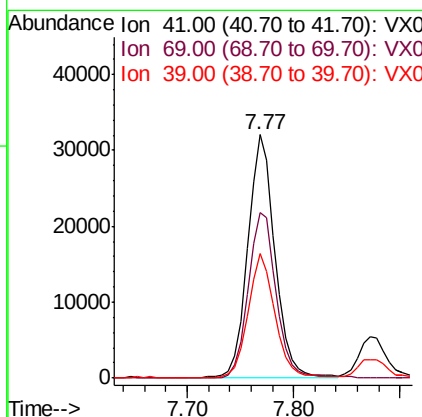
RT: 7.77 min Scan# 1085

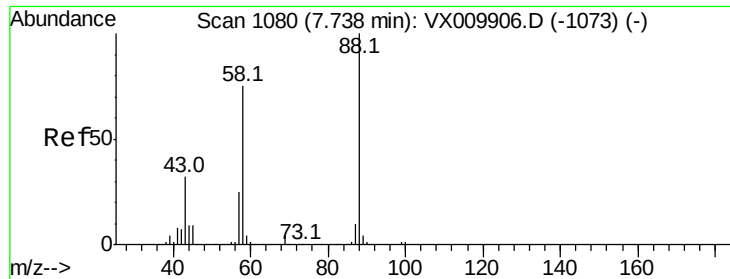
Delta R.T. 0.00 min

Lab File: VX009936.D

Acq: 29 May 2019 13:42

Tgt Ion:	41	Resp:	56889
Ion	Ratio	Lower	Upper
41	100		
69	70.5	56.4	84.6
39	50.5	40.6	60.8





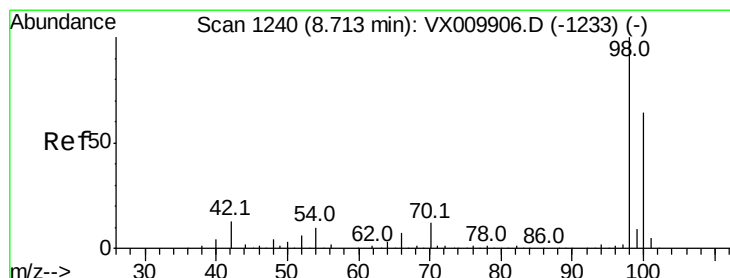
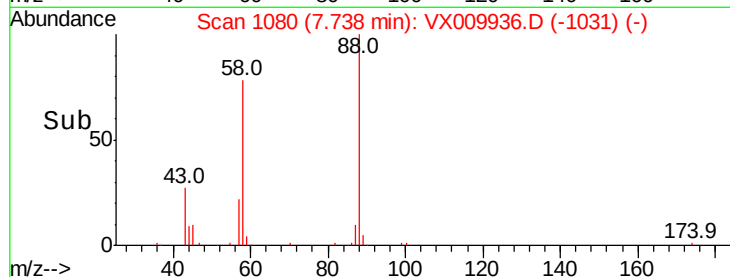
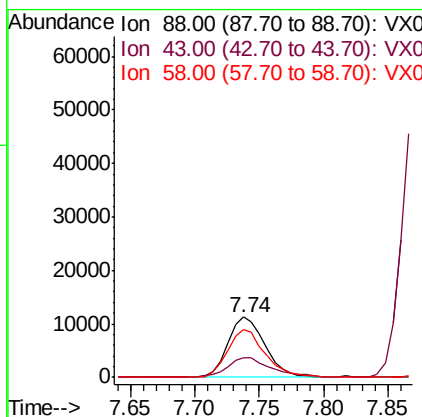
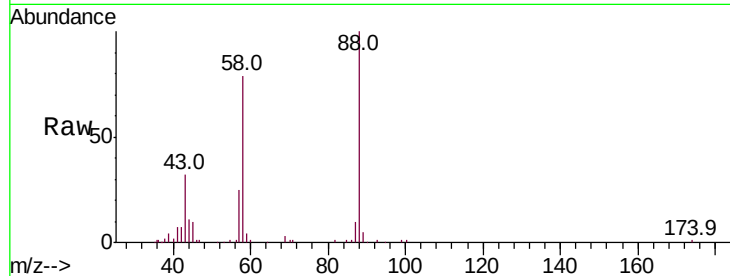
#49
1,4-Dioxane
Concen: 417.455 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009936.D
Acq: 29 May 2019 13:42

Instrument :
MSVOA_X
ClientSampleId :
VX0529WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.4	30.2	45.4
58	81.5	64.0	96.0

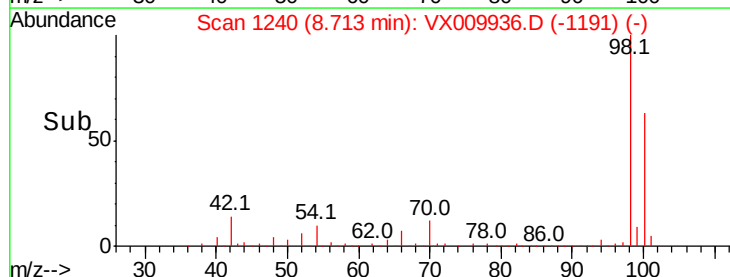
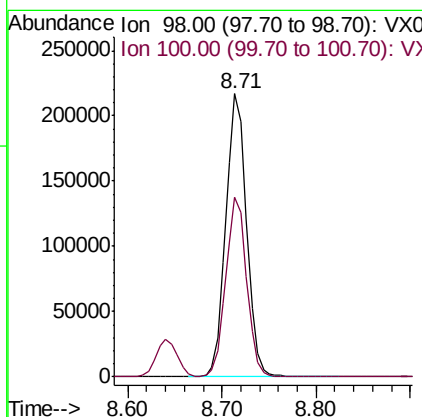
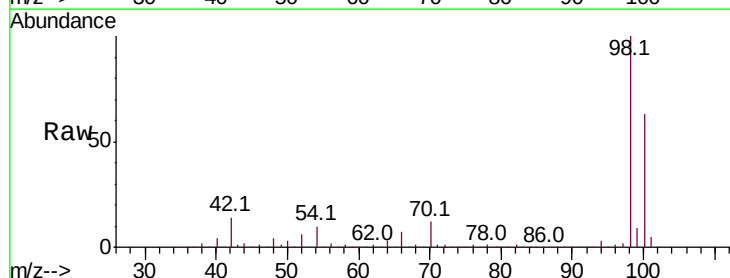
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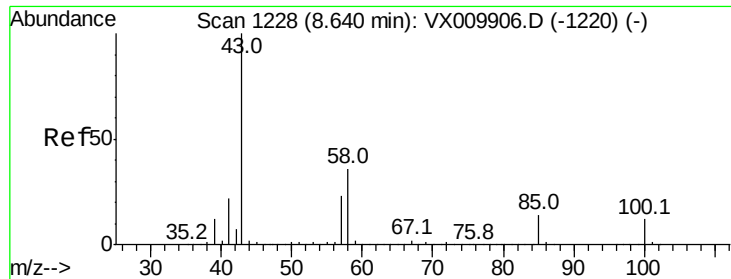
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#50
Toluene-d8
Concen: 50.479 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009936.D
Acq: 29 May 2019 13:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 101.830 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009936.D

Acq: 29 May 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBSD01

Tot Ion: 43 Resp: 389095

Ion Ratio Lower Upper

43 100

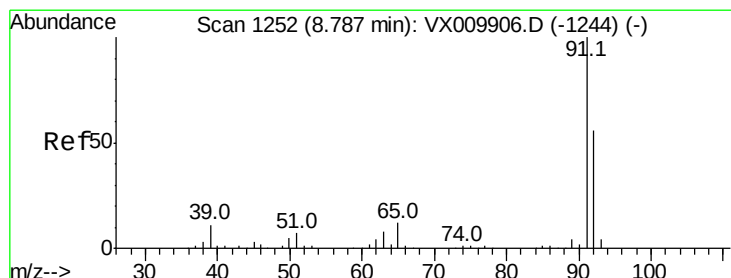
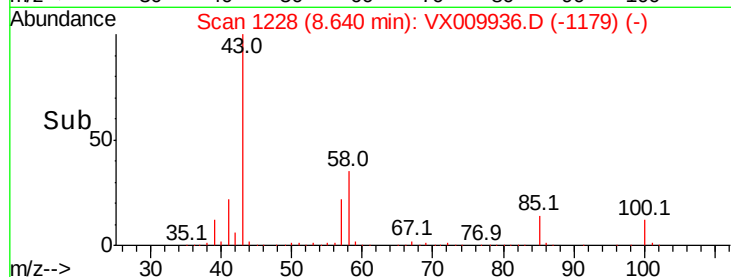
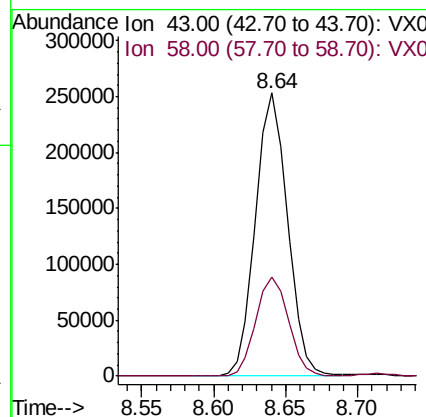
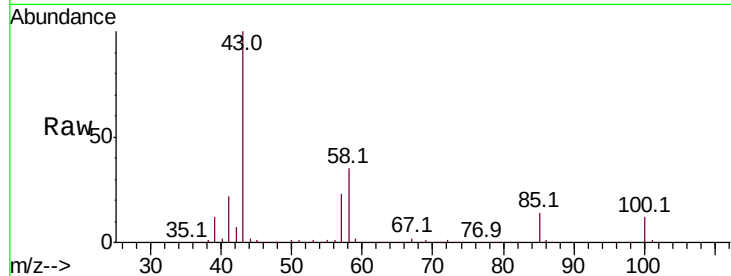
58 35.8 28.8 43.2

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#52

Toluene

Concen: 19.967 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX009936.D

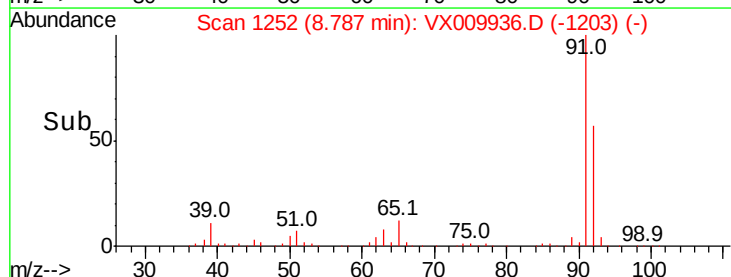
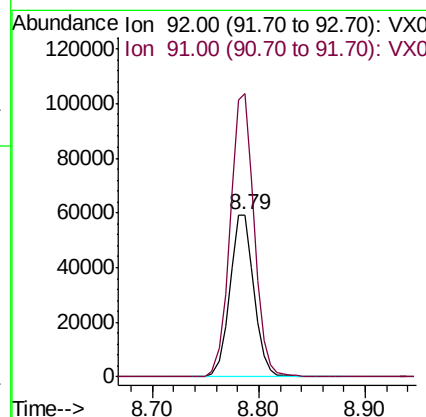
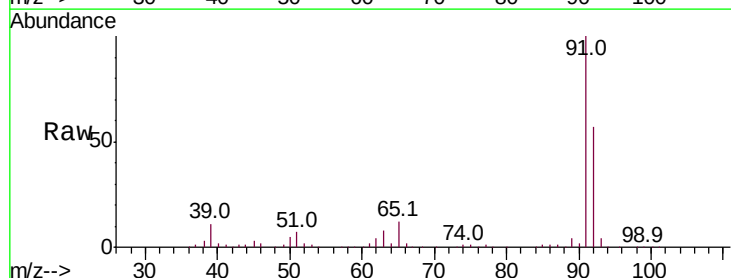
Acq: 29 May 2019 13:42

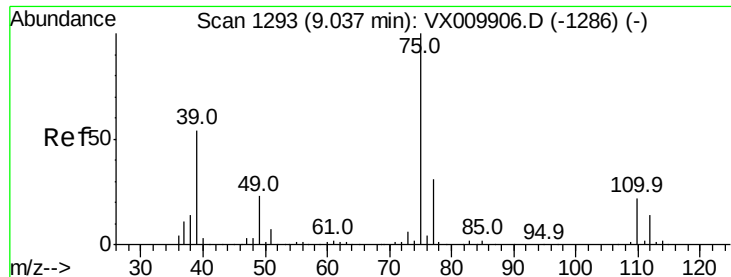
Tgt Ion: 92 Resp: 93956

Ion Ratio Lower Upper

92 100

91 173.9 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 18.629 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VX009936.D

Acq: 29 May 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBSD01

Tot Ion: 75 Resp: 55792

Ion Ratio Lower Upper

75 100

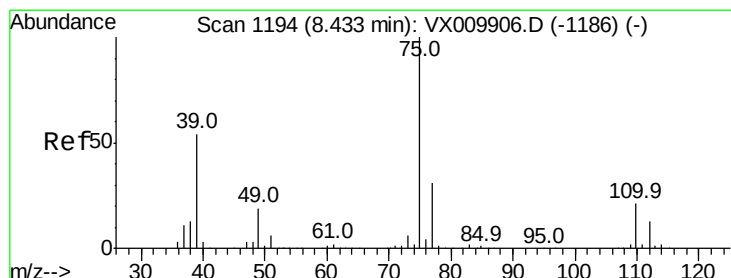
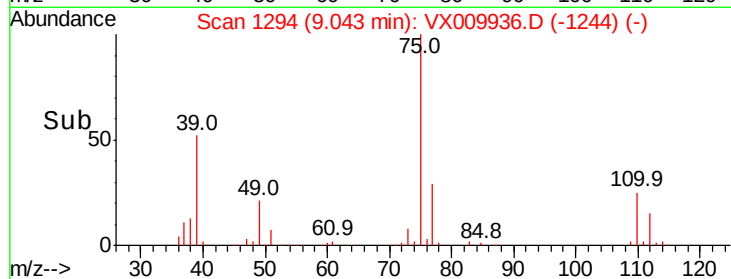
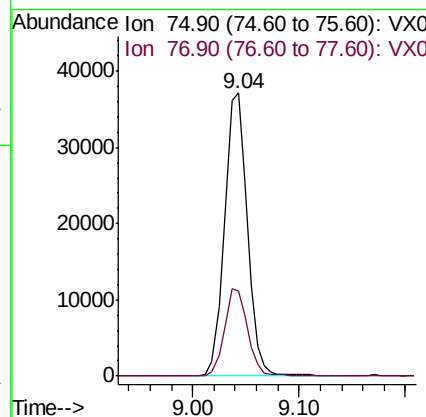
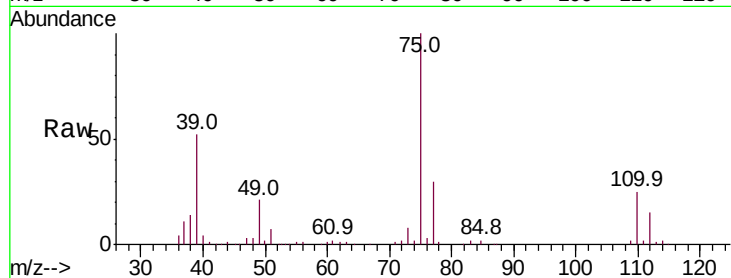
77 29.9 24.6 36.8

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#54

cis-1,3-Dichloropropene

Concen: 19.104 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX009936.D

Acq: 29 May 2019 13:42

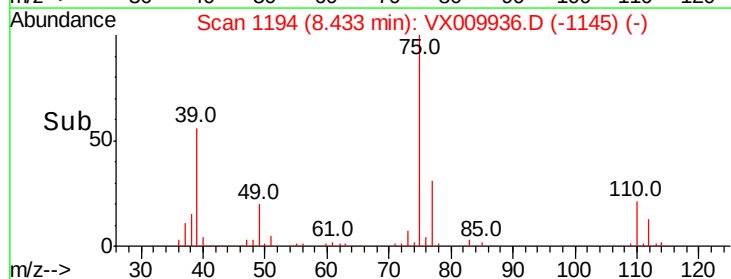
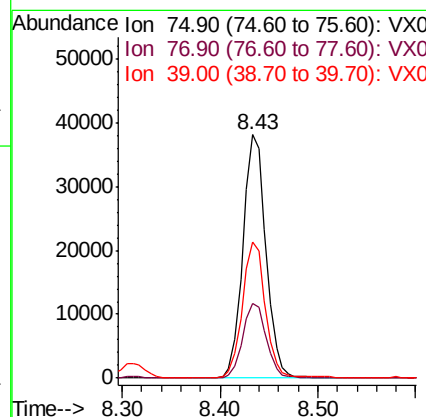
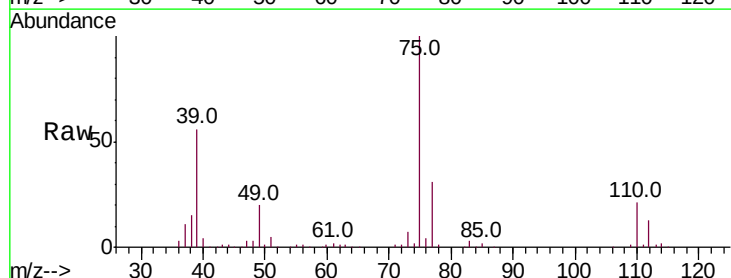
Tgt Ion: 75 Resp: 62340

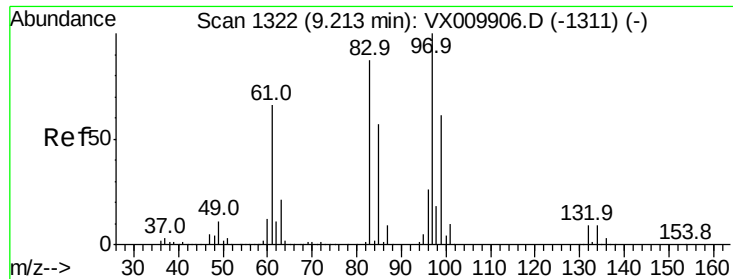
Ion Ratio Lower Upper

75 100

77 30.8 24.8 37.2

39 55.7 43.4 65.0





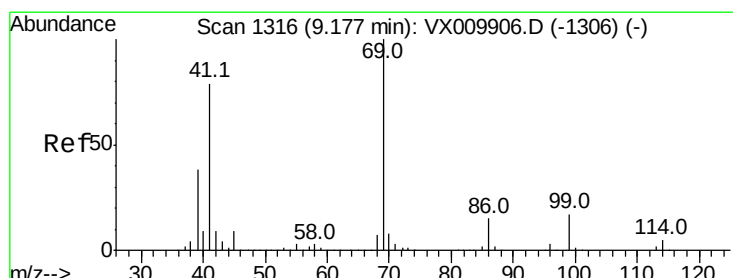
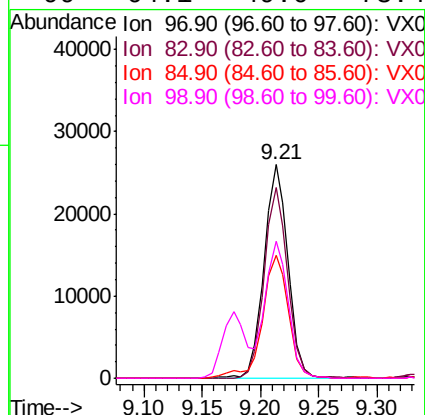
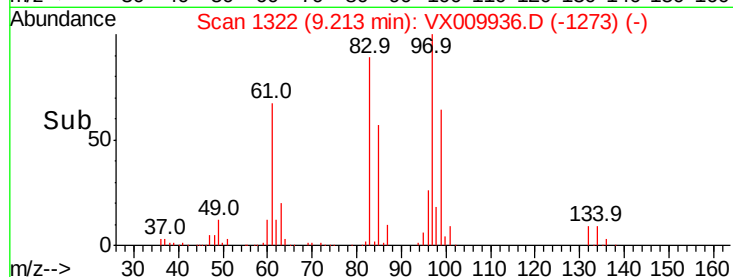
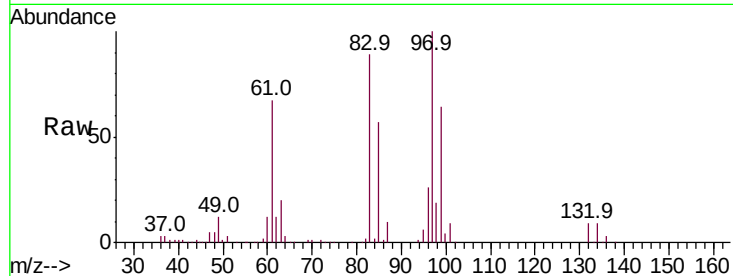
#55
 1,1,2-Trichloroethane
 Concen: 19.771 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009936.D
 Acq: 29 May 2019 13:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0529WBSD01

Tot Ion:	97	Resp:	37445
Ion	Ratio	Lower	Upper
97	100		
83	88.8	69.8	104.8
85	57.4	45.3	67.9
99	64.1	49.0	73.4

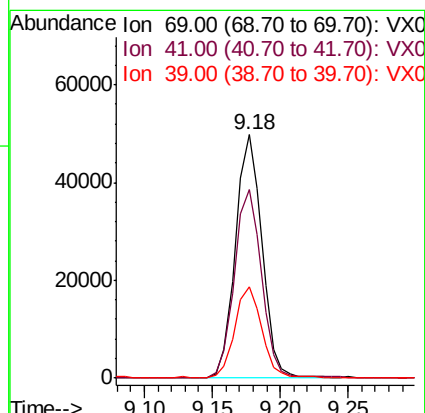
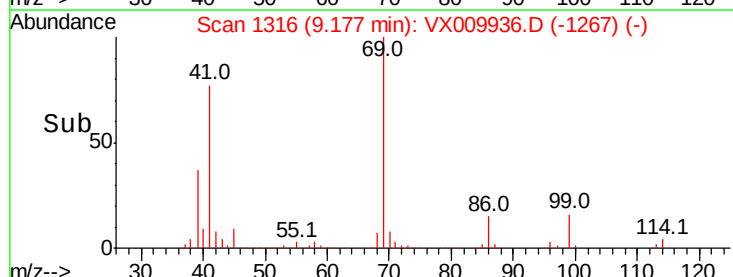
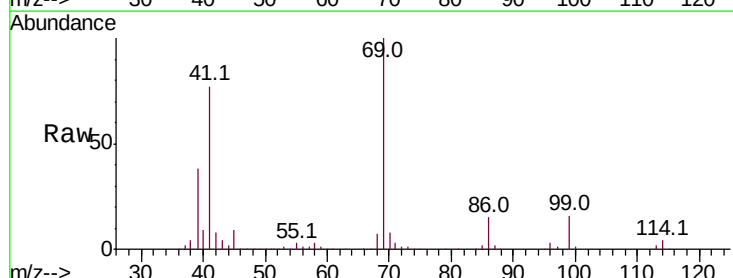
Manual Integrations
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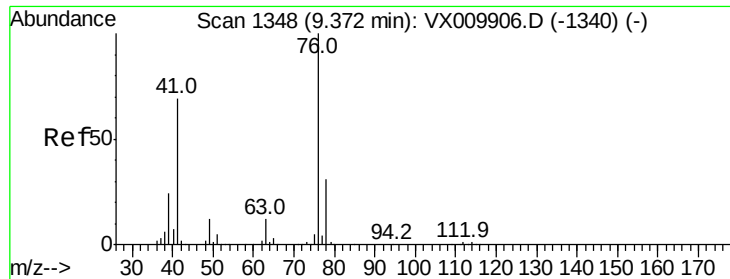
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 5/30/2019 9:54:27 AM



#56
 Ethyl methacrylate
 Concen: 20.087 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009936.D
 Acq: 29 May 2019 13:42

Tgt Ion:	69	Resp:	67730
Ion	Ratio	Lower	Upper
69	100		
41	80.6	62.7	94.1
39	37.9	29.5	44.3





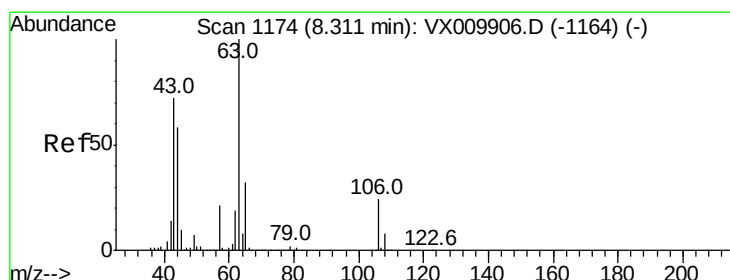
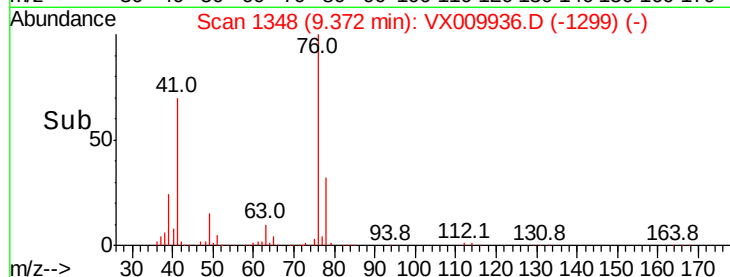
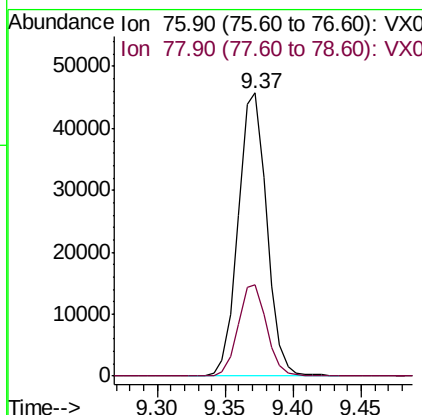
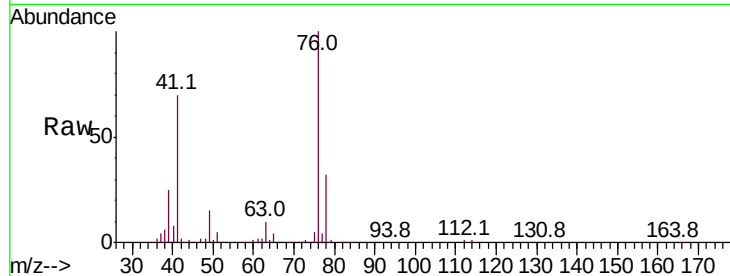
#57
 1,3-Dichloropropane
 Concen: 19.759 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX009936.D
 Acq: 29 May 2019 13:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0529WBSD01

Tot Ion: 76 Resp: 67208
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.4 38.0

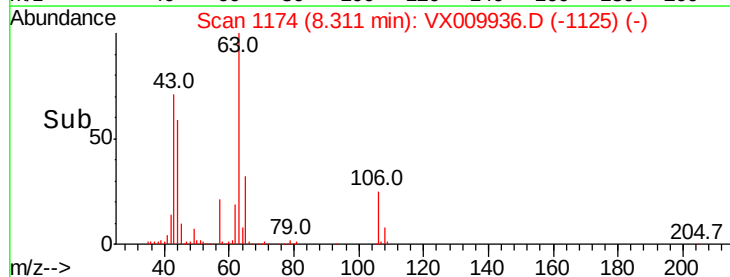
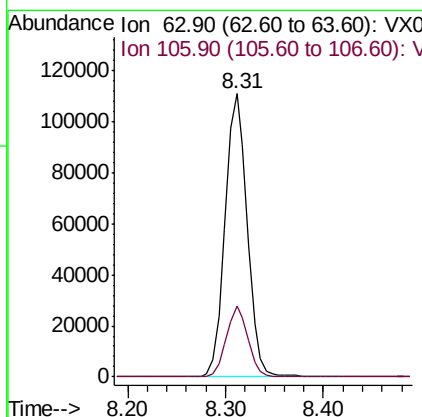
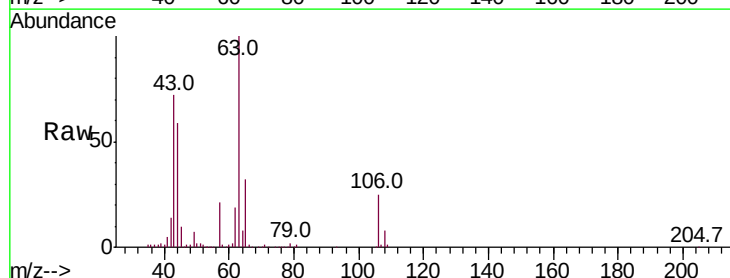
Manual Integrations
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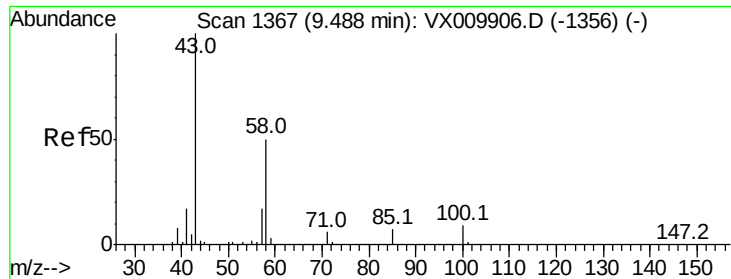
MMDadoda
 5/30/2019 9:54:27 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.289 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX009936.D
 Acq: 29 May 2019 13:42

Tgt Ion: 63 Resp: 173785
 Ion Ratio Lower Upper
 63 100
 106 24.4 19.4 29.2





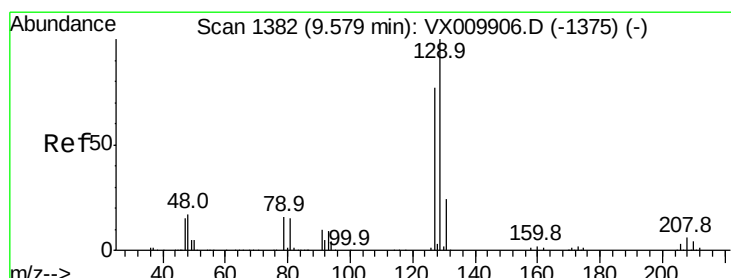
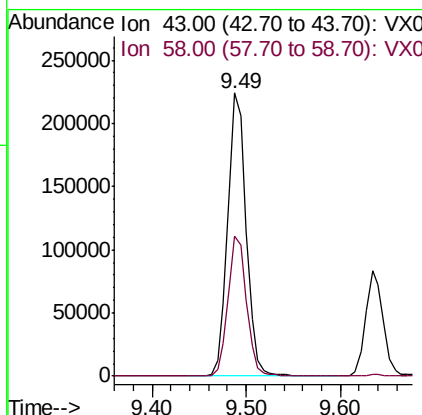
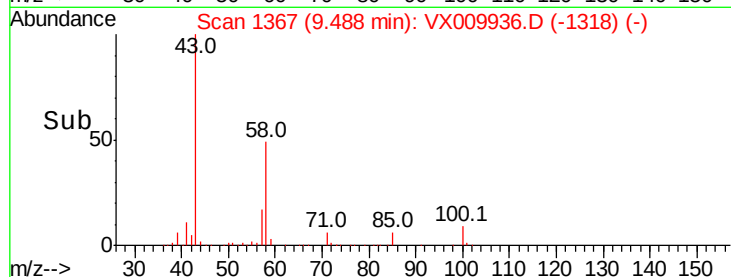
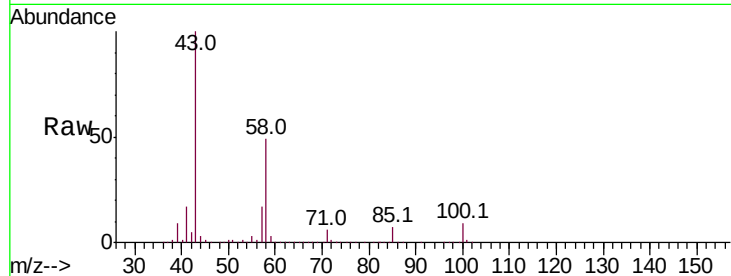
#59
2-Hexanone
Concen: 103.815 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009936.D
Acq: 29 May 2019 13:42

Instrument :
MSVOA_X
ClientSampleId :
VX0529WBSD01

Tot Ion: 43 Resp: 305406
Ion Ratio Lower Upper
43 100
58 49.6 25.1 75.3

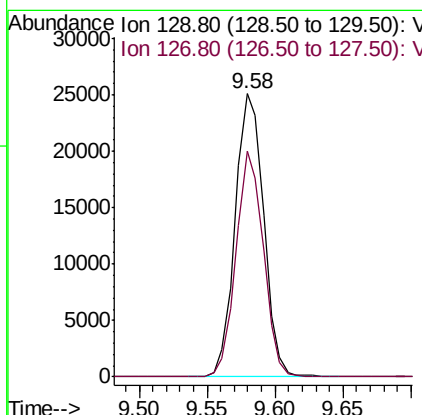
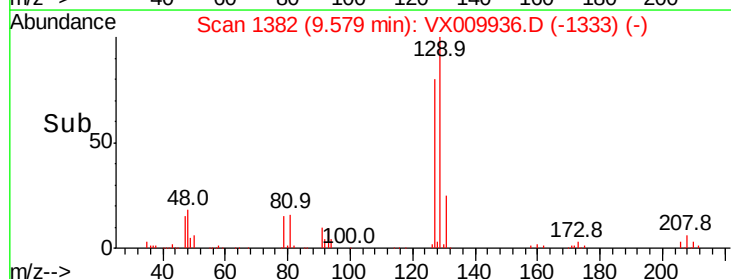
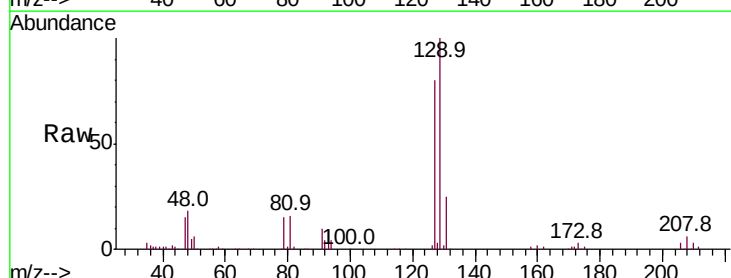
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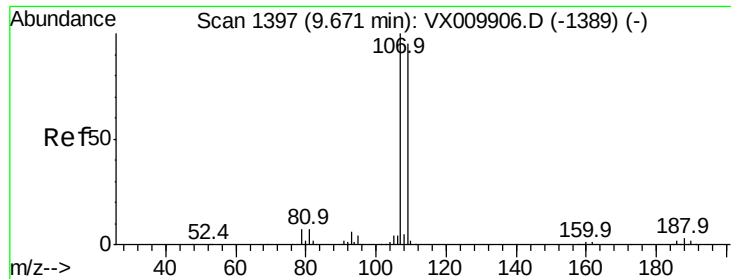
MMDadoda
5/30/2019 9:54:27 AM



#60
Dibromochloromethane
Concen: 19.671 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009936.D
Acq: 29 May 2019 13:42

Tgt Ion: 129 Resp: 36648
Ion Ratio Lower Upper
129 100
127 76.7 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.291 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009936.D

Acq: 29 May 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBSD01

Tot Ion:107 Resp: 37536

Ion Ratio Lower Upper

107 100

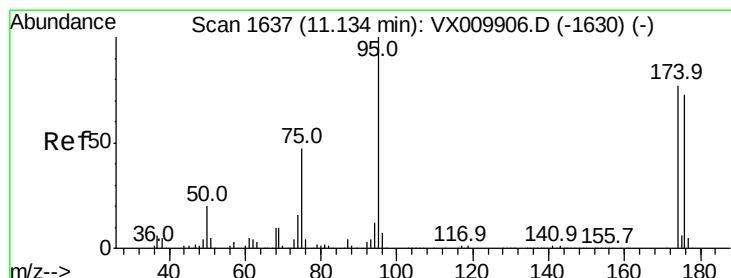
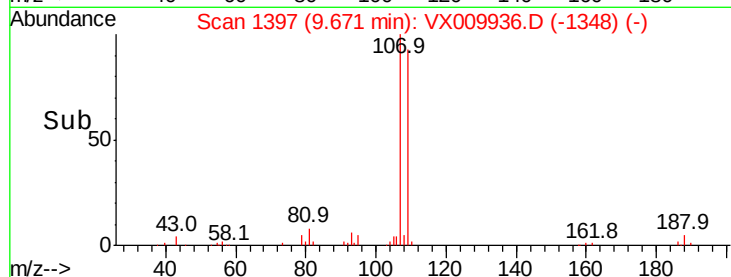
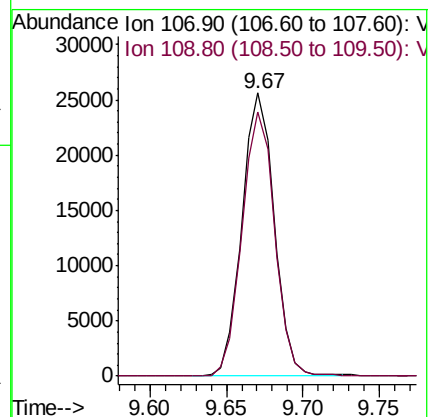
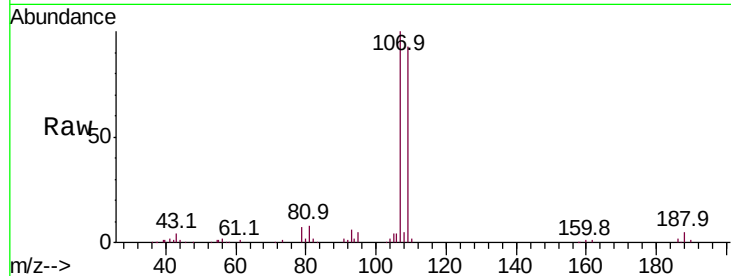
109 94.6 75.4 113.2

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#62

4-Bromofluorobenzene

Concen: 50.306 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009936.D

Acq: 29 May 2019 13:42

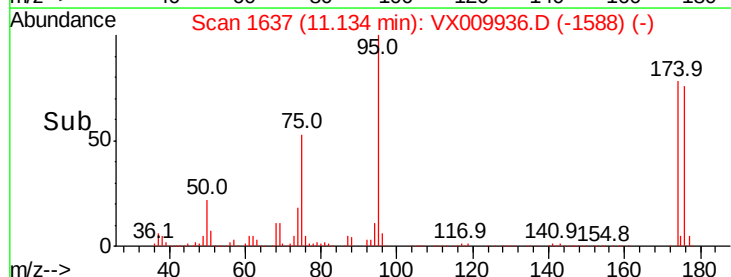
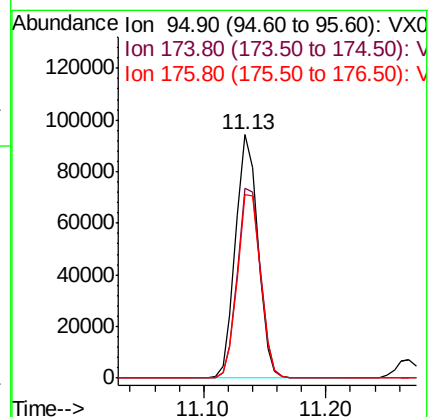
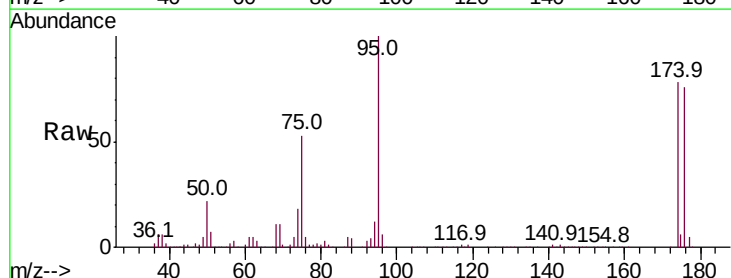
Tgt Ion: 95 Resp: 118786

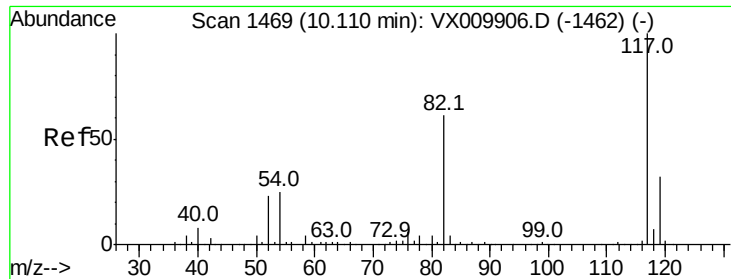
Ion Ratio Lower Upper

95 100

174 80.6 0.0 160.4

176 78.4 0.0 154.6





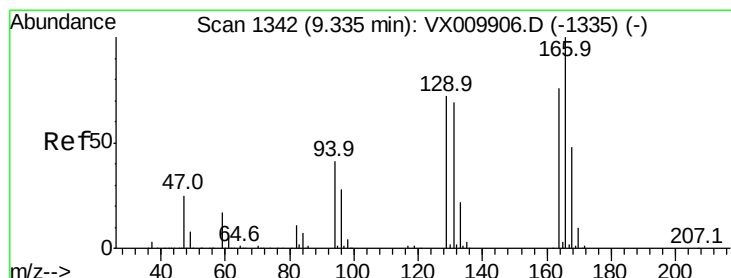
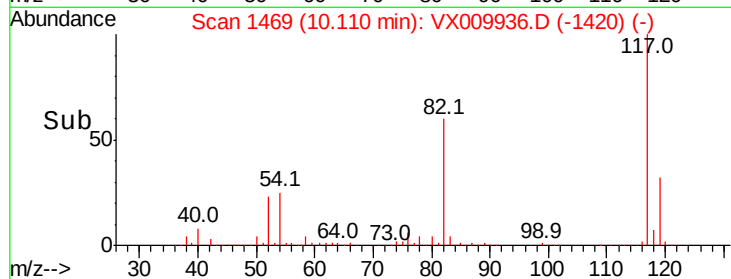
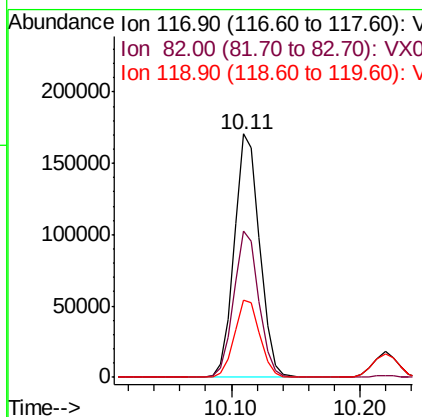
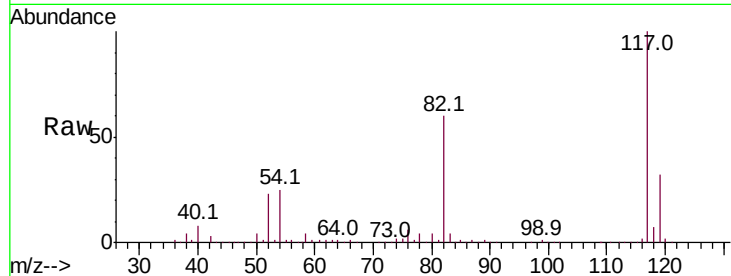
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009936.D
Acq: 29 May 2019 13:42

Instrument :
MSVOA_X
ClientSampleId :
VX0529WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.3	49.2	73.8
119	31.7	25.2	37.8

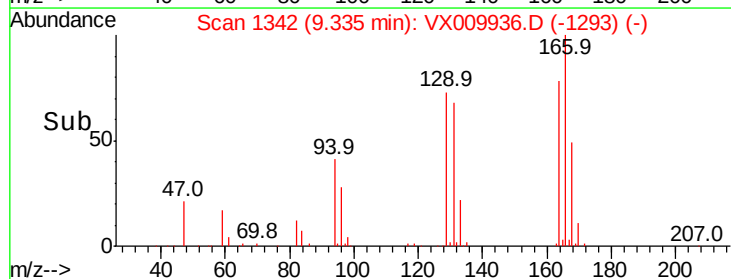
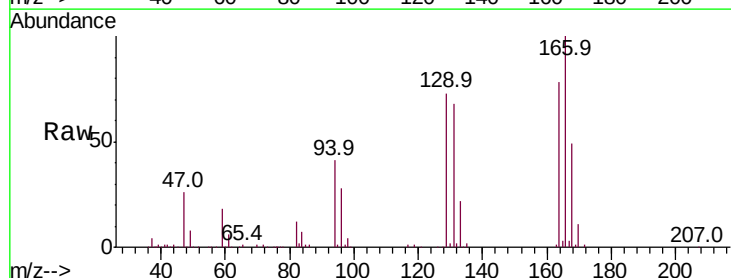
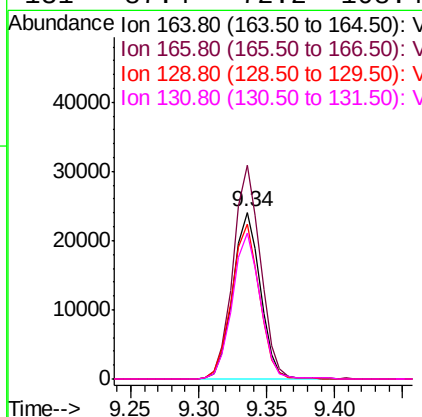
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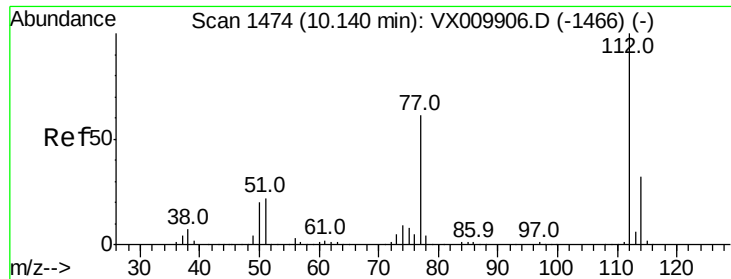
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#64
Tetrachloroethene
Concen: 20.739 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009936.D
Acq: 29 May 2019 13:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	105.0	157.4
129	92.9	75.1	112.7
131	87.4	72.2	108.4





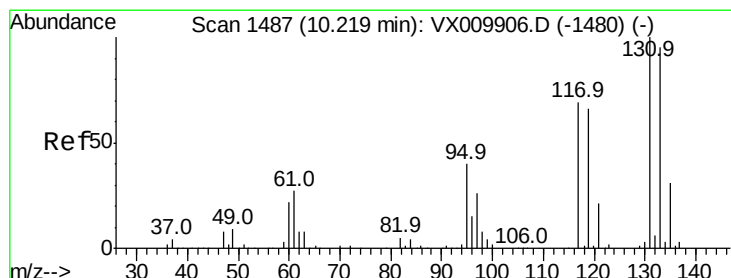
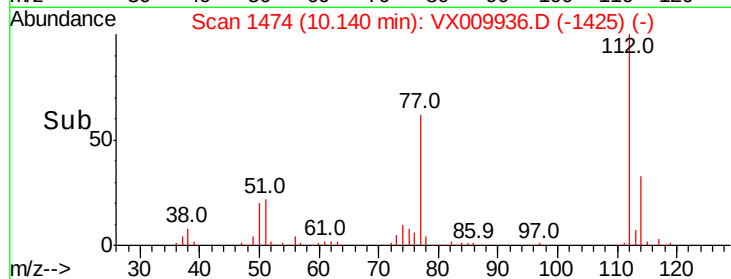
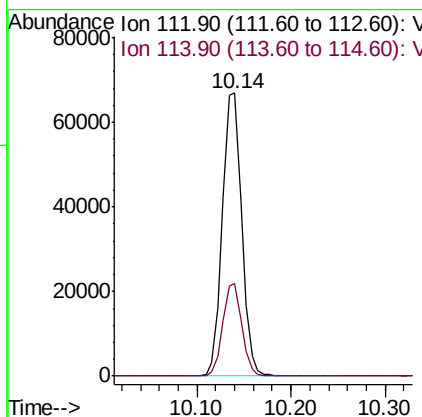
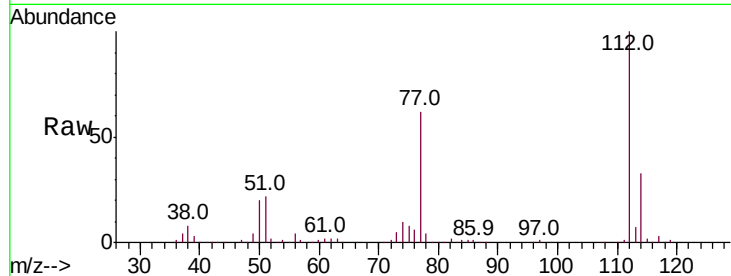
#65
Chlorobenzene
Concen: 19.547 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX009936.D
Acq: 29 May 2019 13:42

Instrument :
MSVOA_X
ClientSampled :
VX0529WBSD01

Tot Ion:112 Resp: 95612
Ion Ratio Lower Upper
112 100
114 32.7 25.8 38.8

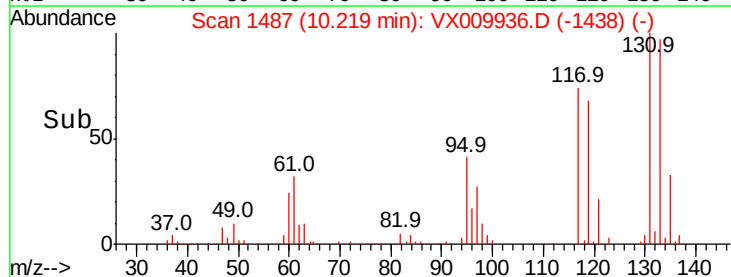
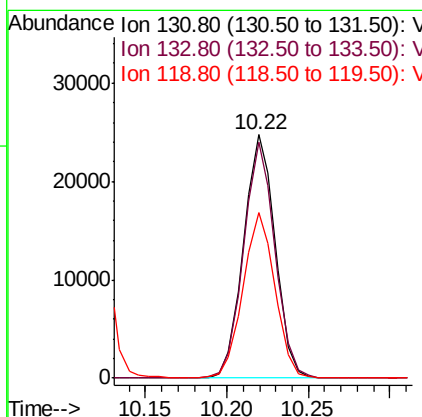
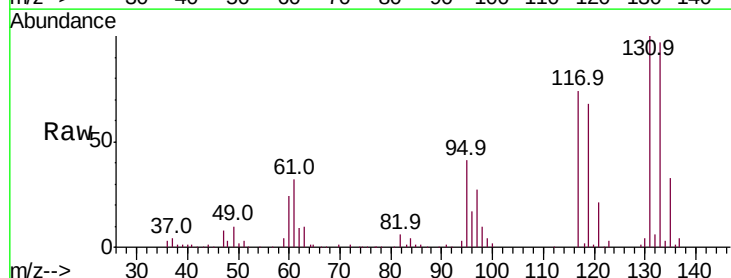
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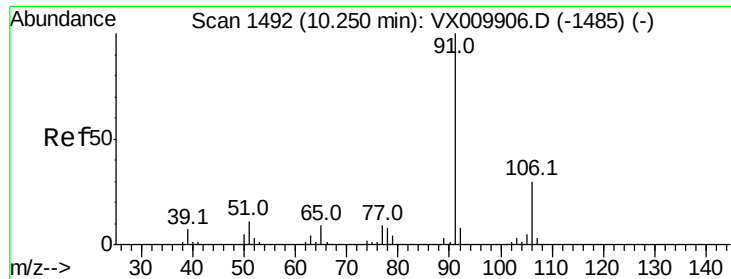
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.719 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009936.D
Acq: 29 May 2019 13:42

Tgt Ion:131 Resp: 33455
Ion Ratio Lower Upper
131 100
133 96.5 47.5 142.6
119 68.5 33.4 100.1





#67

Ethyl Benzene

Concen: 20.225 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009936.D

Acq: 29 May 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBSD01

Tot Ion: 91 Resp: 177630

Ion Ratio Lower Upper

91 100

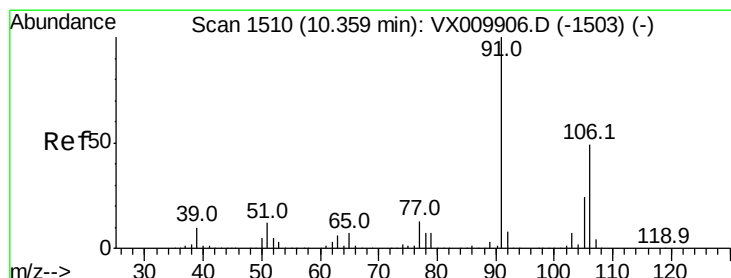
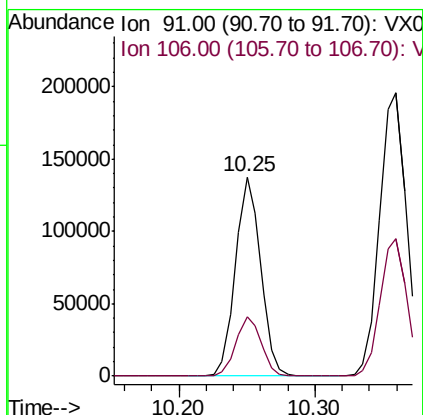
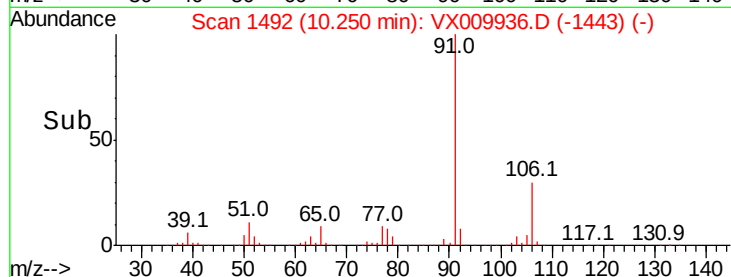
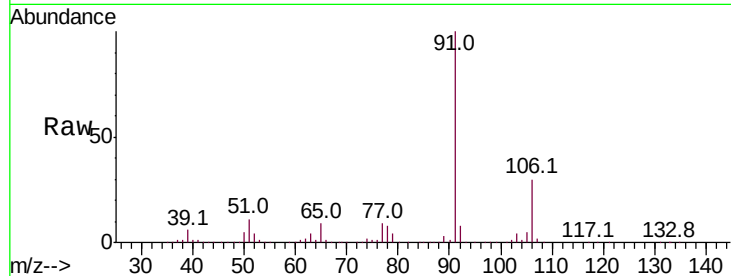
106 29.6 23.9 35.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 39.925 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX009936.D

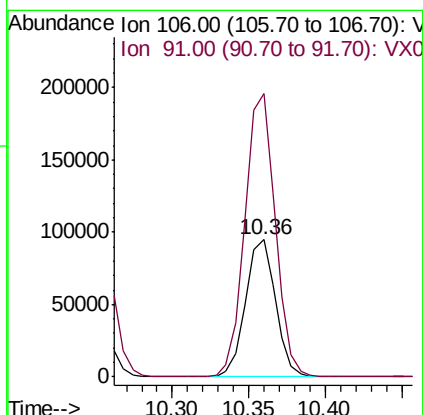
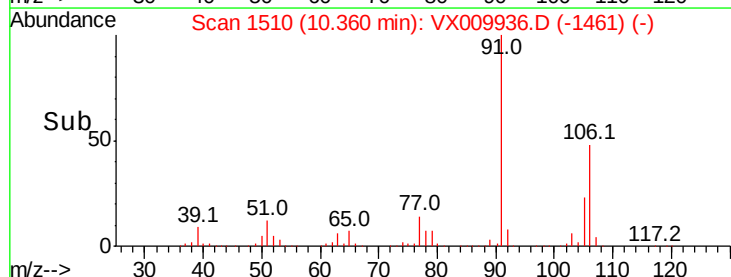
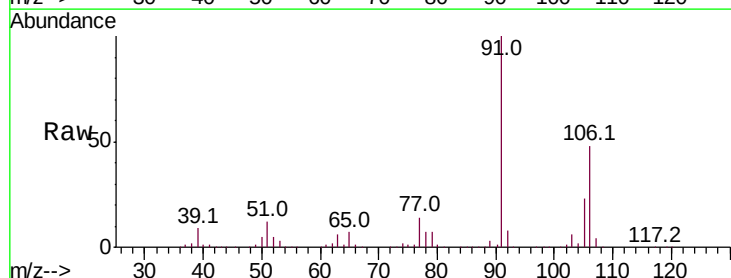
Acq: 29 May 2019 13:42

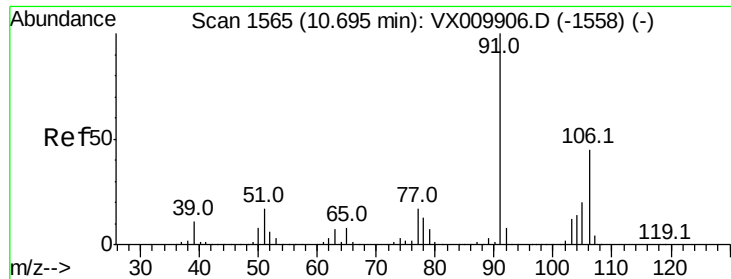
Tgt Ion:106 Resp: 129543

Ion Ratio Lower Upper

106 100

91 209.4 167.3 250.9





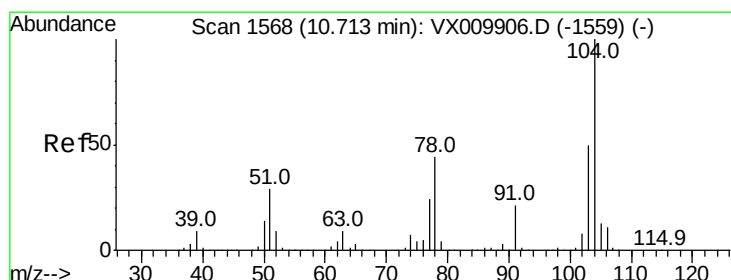
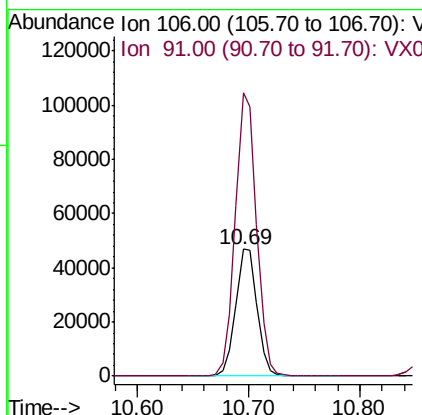
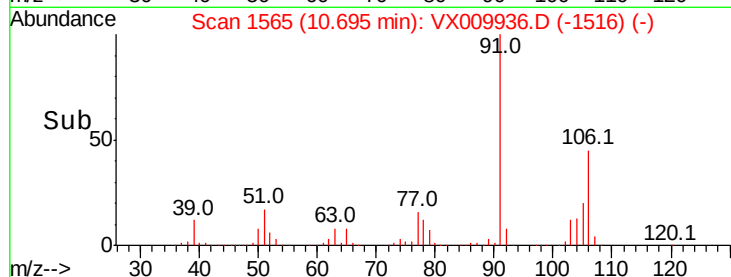
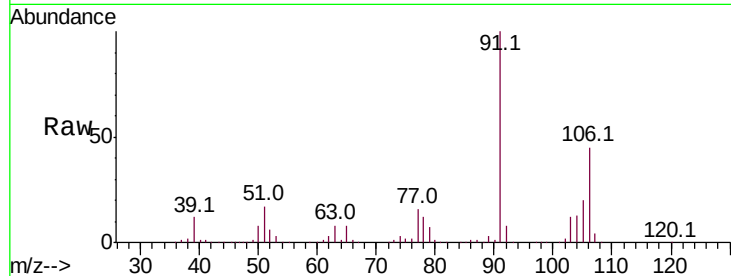
#69
o-Xylene
Concen: 20.079 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX009936.D
Acq: 29 May 2019 13:42

Instrument :
MSVOA_X
ClientSampleId :
VX0529WBSD01

Tot Ion:106 Resp: 62482
Ion Ratio Lower Upper
106 100
91 221.0 110.4 331.2

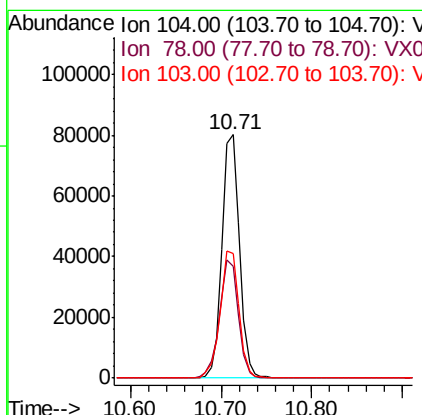
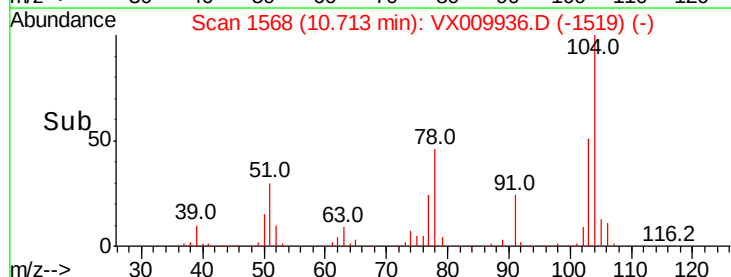
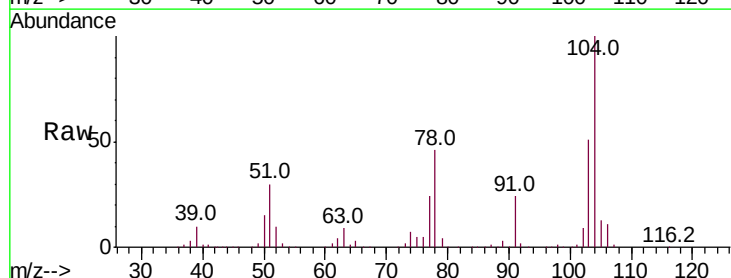
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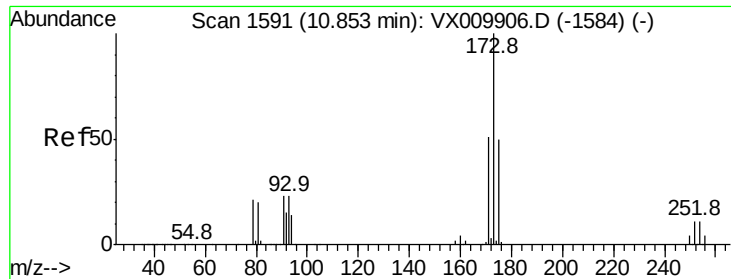
MMDadoda
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#70
Styrene
Concen: 19.827 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009936.D
Acq: 29 May 2019 13:42

Tgt Ion:104 Resp: 108185
Ion Ratio Lower Upper
104 100
78 52.6 42.1 63.1
103 56.0 44.1 66.1





#71

Bromoform

Concen: 19.471 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009936.D

Acq: 29 May 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBSD01

Tot Ion:173 Resp: 27002

Ion Ratio Lower Upper

173 100

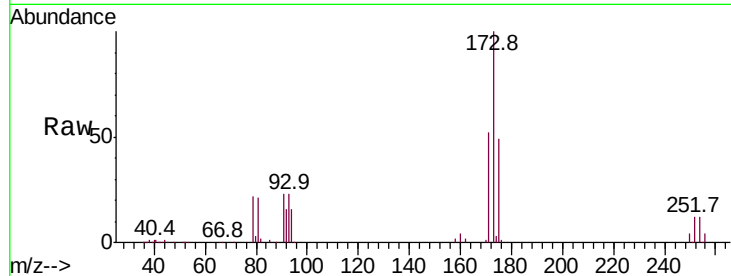
175 48.9 25.0 75.0

254 0.1 0.2 0.2#

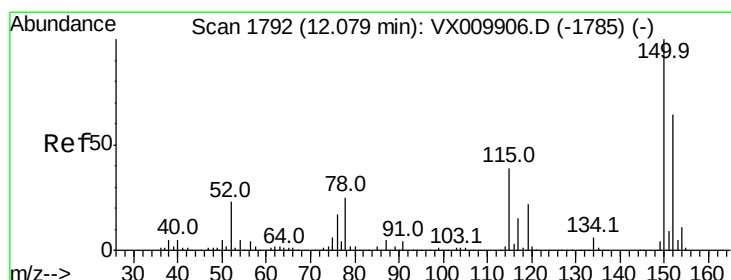
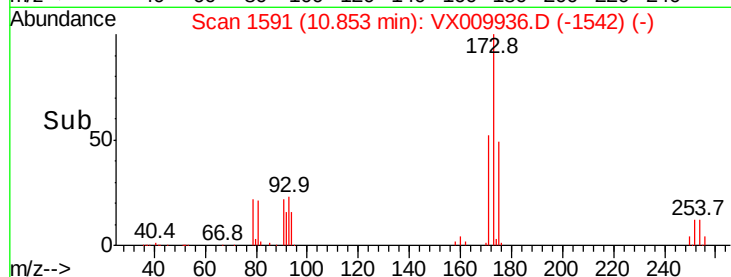
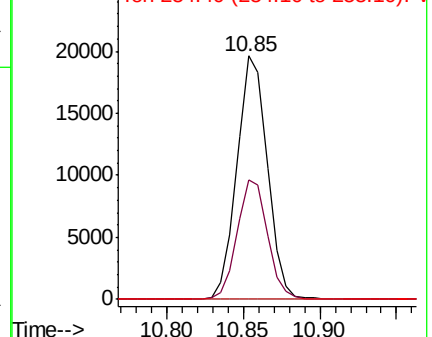
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009936.D

Acq: 29 May 2019 13:42

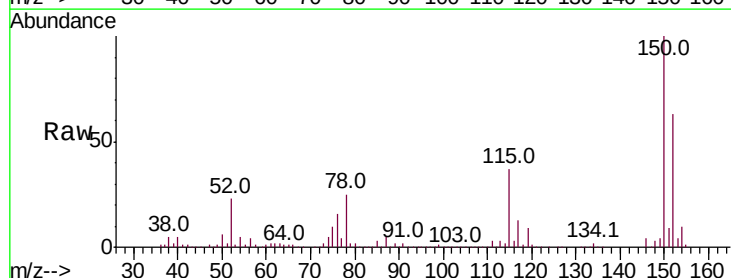
Tgt Ion:152 Resp: 113275

Ion Ratio Lower Upper

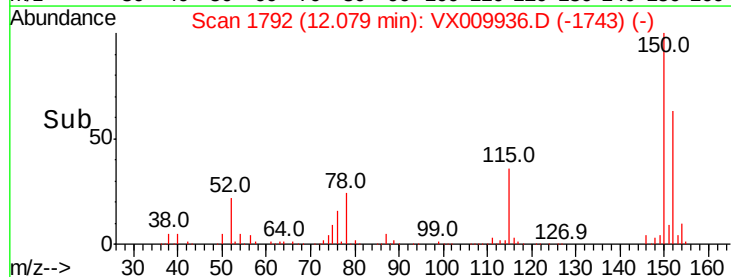
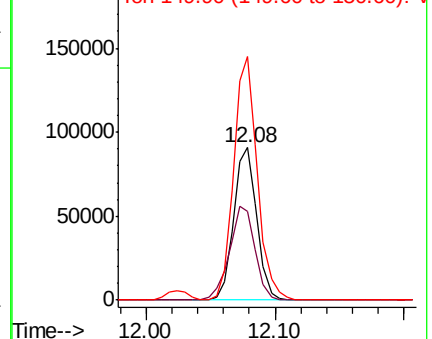
152 100

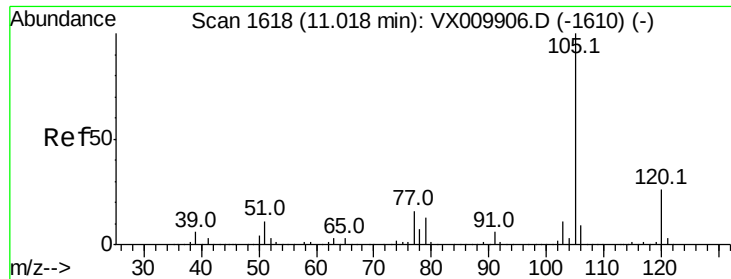
115 68.9 41.4 124.2

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





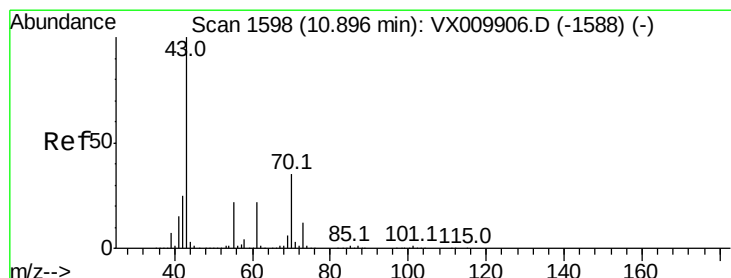
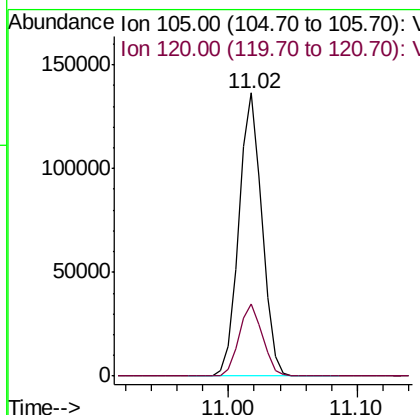
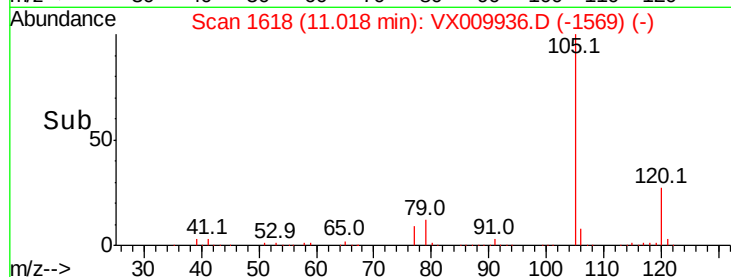
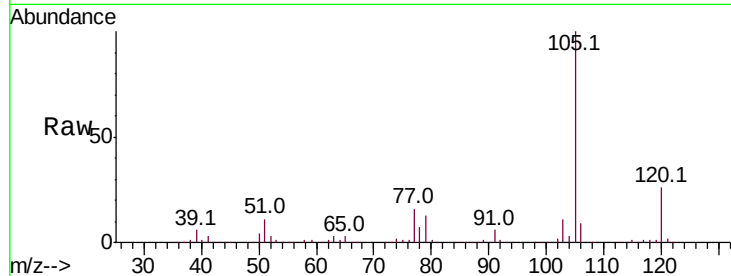
#73
Isopropylbenzene
Concen: 20.225 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX009936.D
Acq: 29 May 2019 13:42

Instrument :
MSVOA_X
ClientSampleId :
VX0529WBSD01

Tot Ion:105 Resp: 169031
Ion Ratio Lower Upper
105 100
120 25.9 12.8 38.4

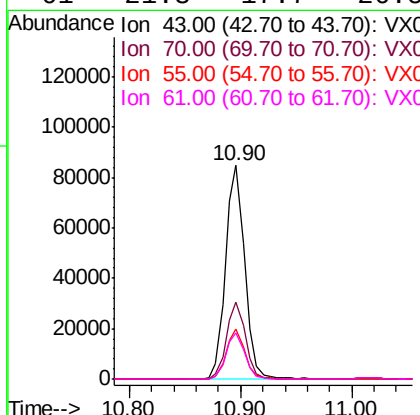
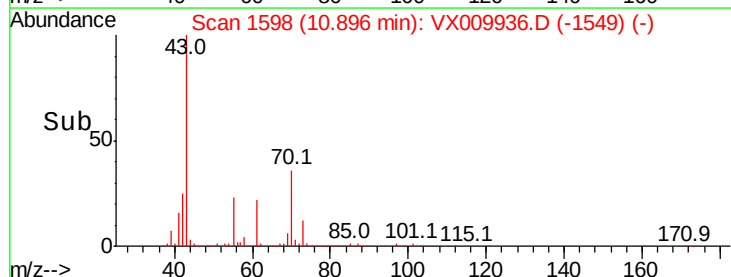
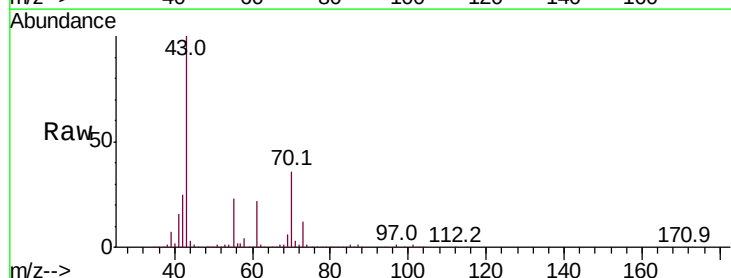
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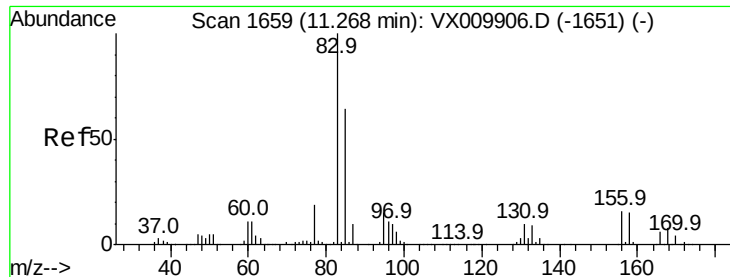
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#74
N-ethyl acetate
Concen: 20.107 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX009936.D
Acq: 29 May 2019 13:42

Tgt Ion: 43 Resp: 100420
Ion Ratio Lower Upper
43 100
70 35.7 28.6 43.0
55 22.9 17.8 26.8
61 21.3 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.977 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009936.D

Acq: 29 May 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBSD01

Tot Ion: 83 Resp: 62290

Ion Ratio Lower Upper

83 100

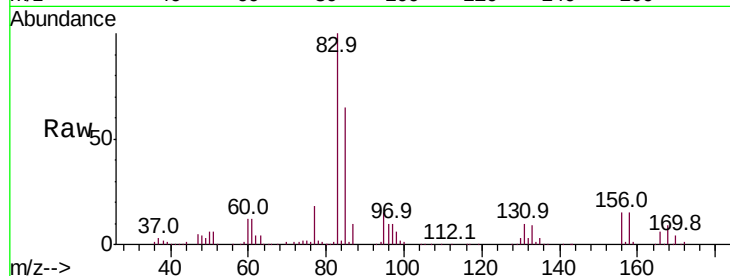
131 9.6 4.7 14.1

85 64.2 31.9 95.9

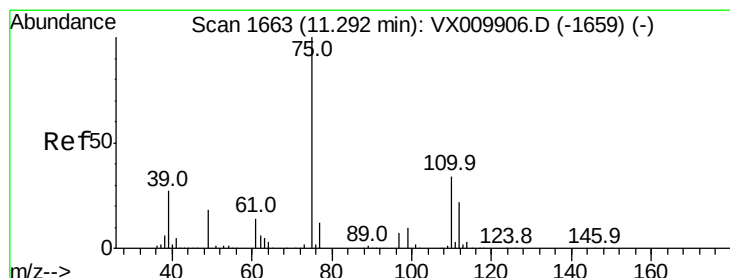
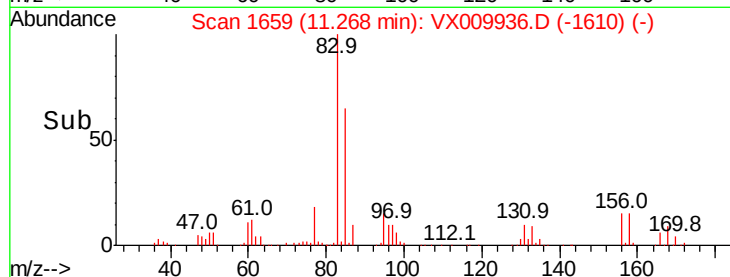
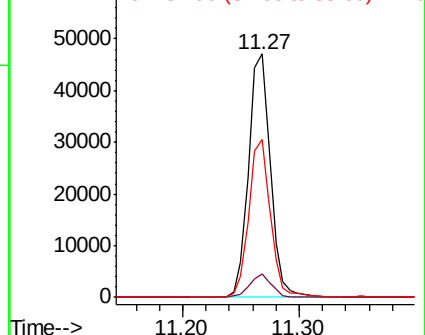
Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 20.162 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX009936.D

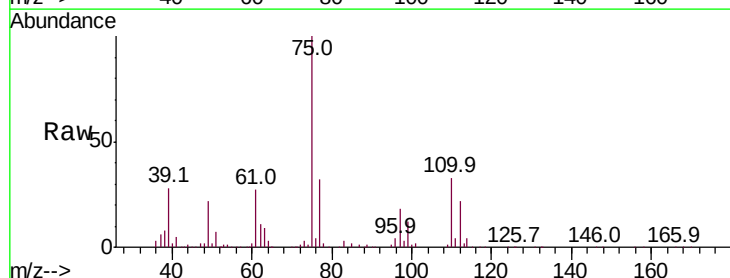
Acq: 29 May 2019 13:42

Tgt Ion: 75 Resp: 54613

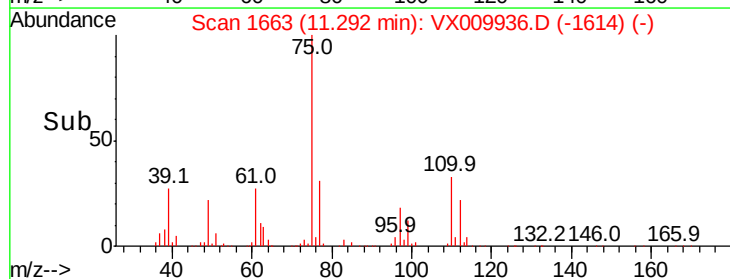
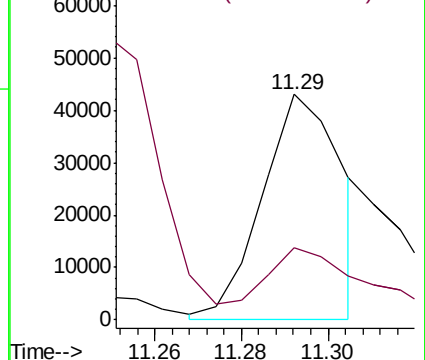
Ion Ratio Lower Upper

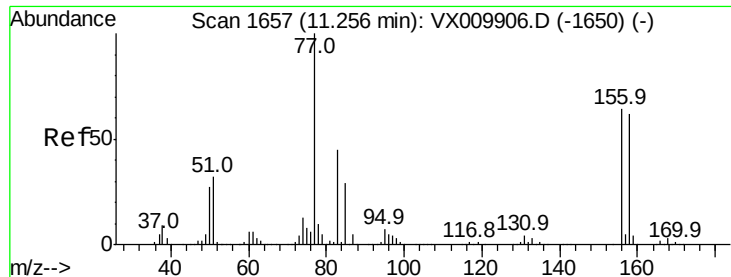
75 100

77 41.9 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.523 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009936.D

Acq: 29 May 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBSD01

Tot Ion:156 Resp: 41583

Ion Ratio Lower Upper

156 100

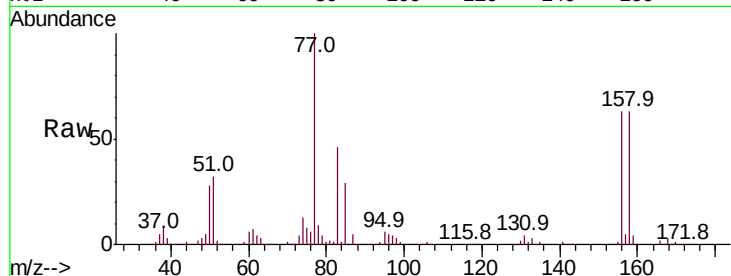
77 170.0 86.8 260.3

158 98.0 49.6 148.8

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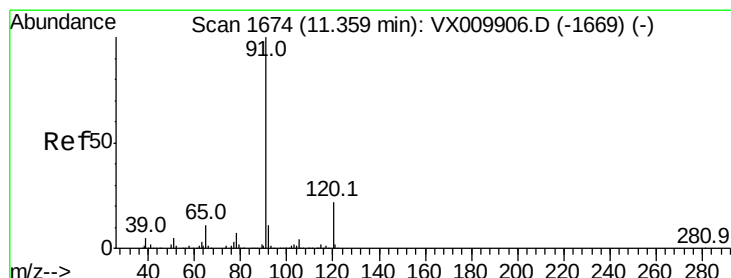
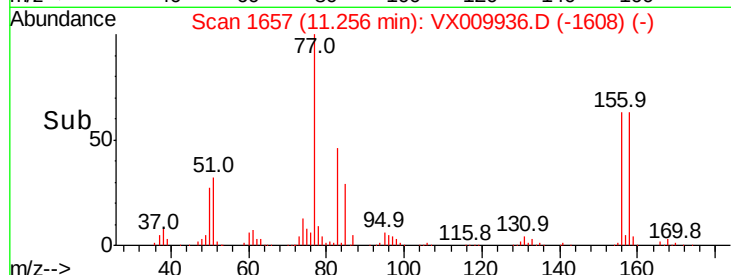
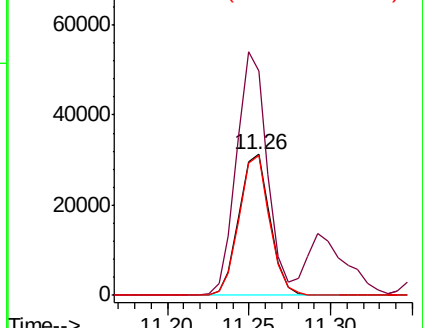
5/30/2019 9:54:27 AM



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: 20.278 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009936.D

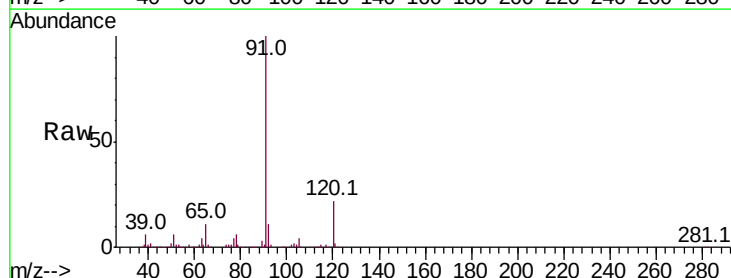
Acq: 29 May 2019 13:42

Tgt Ion: 91 Resp: 195348

Ion Ratio Lower Upper

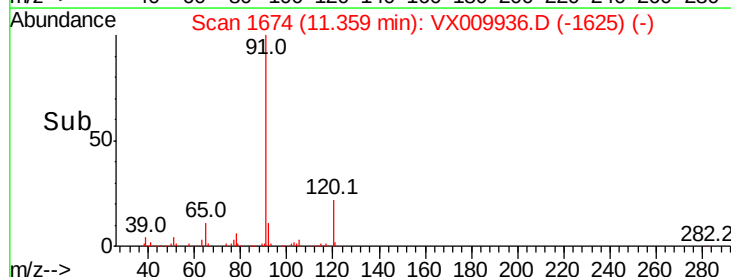
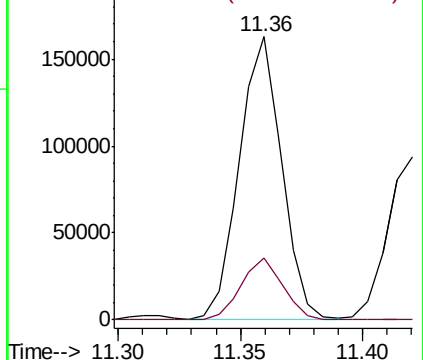
91 100

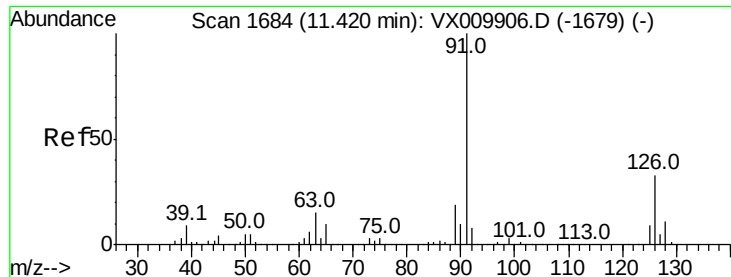
120 21.7 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





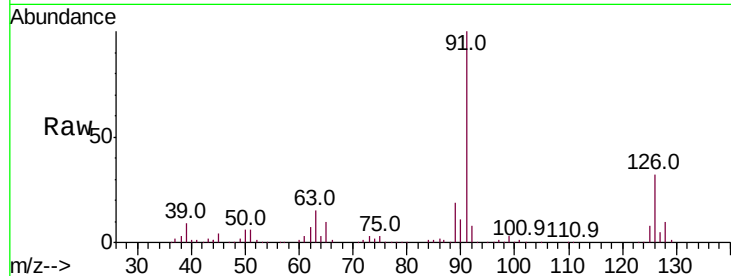
#79
2-Chlorotoluene
Concen: 19.819 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VX009936.D
Acq: 29 May 2019 13:42

Instrument :
MSVOA_X
ClientSampled :
VX0529WBSD01

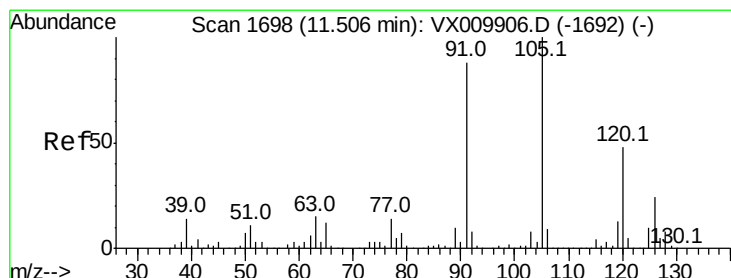
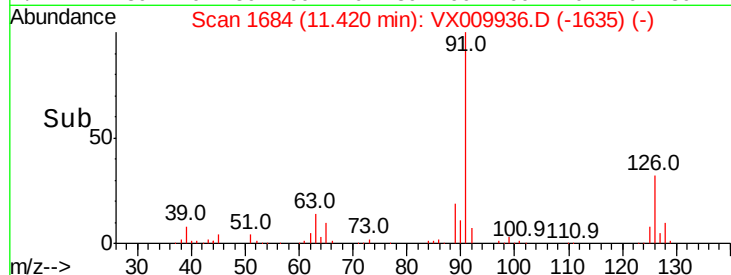
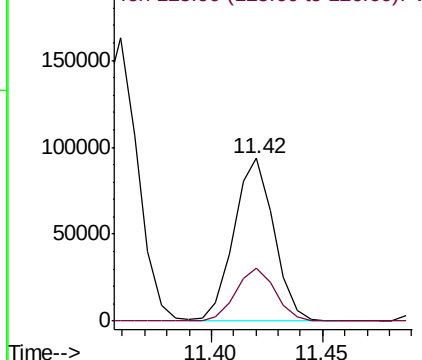
Tot Ion: 91 Resp: 116650
Ion Ratio Lower Upper
91 100
126 32.8 16.1 48.3

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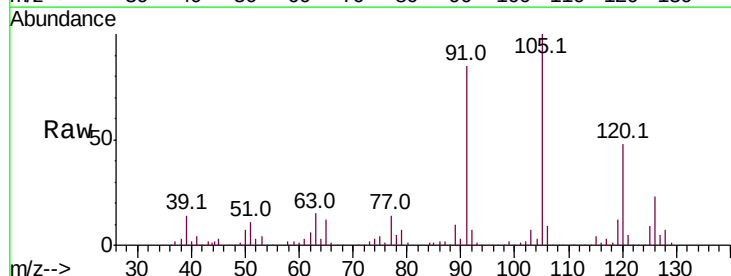


Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V

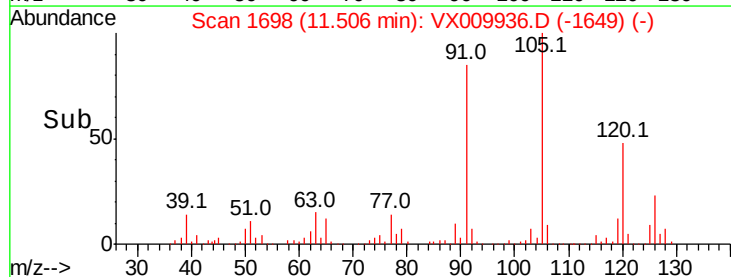
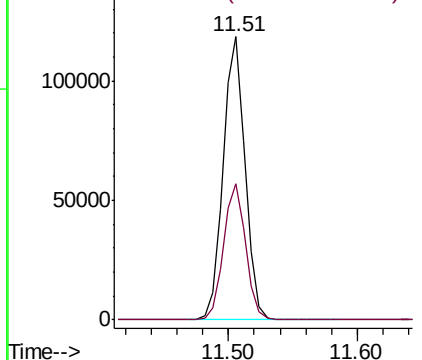


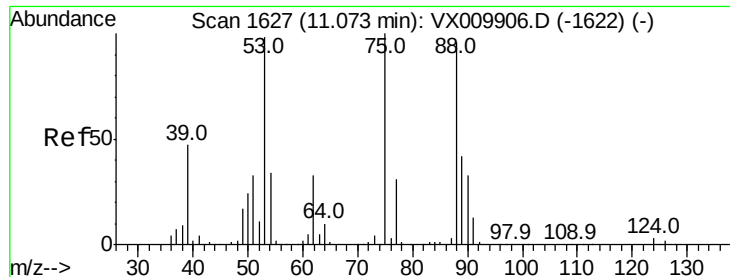
#80
1,3,5-Trimethylbenzene
Concen: 20.240 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX009936.D
Acq: 29 May 2019 13:42

Tgt Ion:105 Resp: 142507
Ion Ratio Lower Upper
105 100
120 48.3 24.1 72.3



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





#81

trans-1,4-Dichloro-2-butene

Concen: 17.995 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009936.D

Acq: 29 May 2019 13:42

Instrument :

MSVOA_X

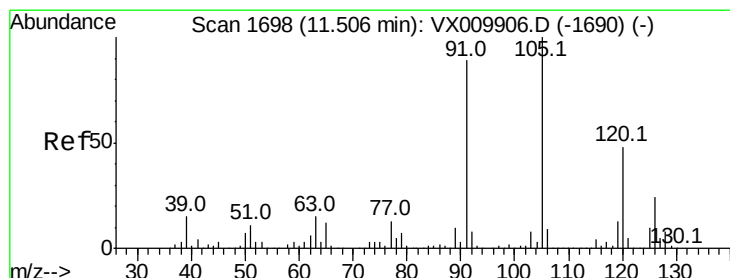
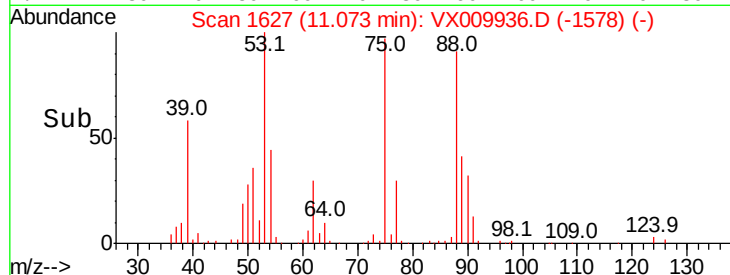
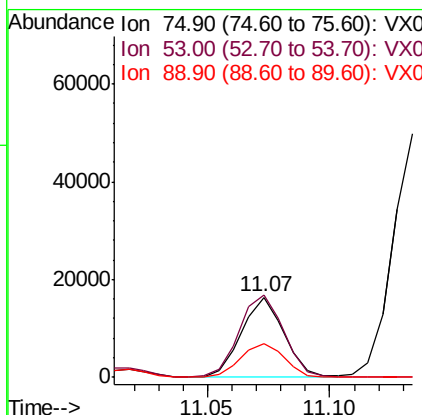
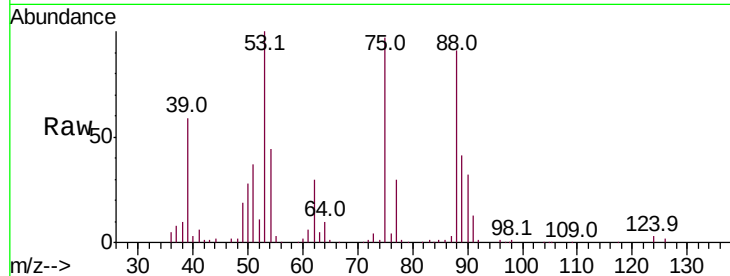
ClientSampleId :

VX0529WBSD01

Tot Ion:	75	Resp:	19701
Ion	Ratio	Lower	Upper
75	100		
53	107.8	79.8	119.6
89	44.2	34.2	51.4

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#82

4-Chlorotoluene

Concen: 19.379 ug/l

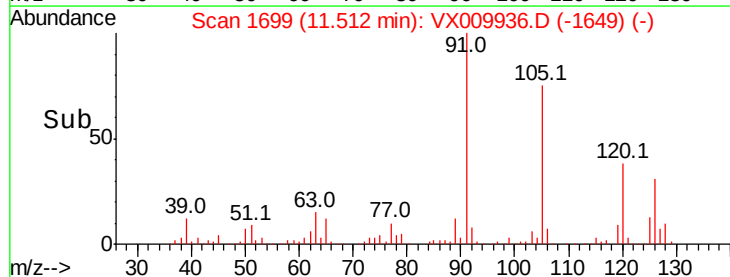
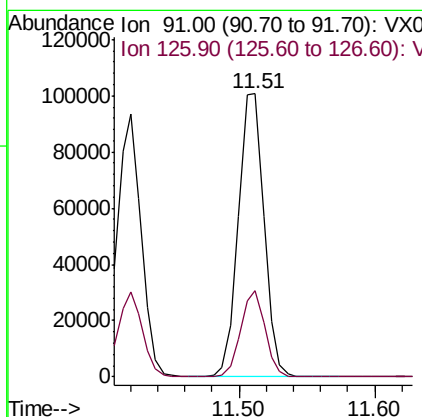
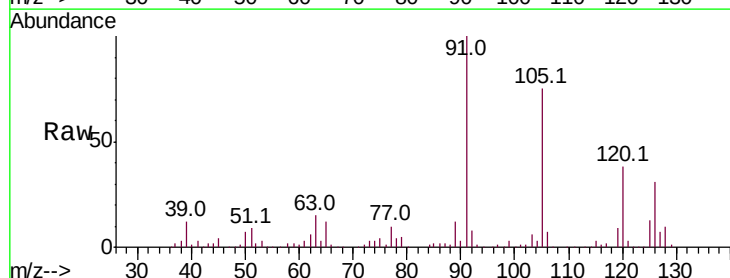
RT: 11.51 min Scan# 1699

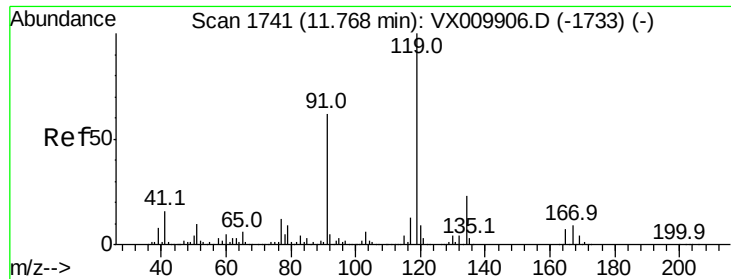
Delta R.T. 0.01 min

Lab File: VX009936.D

Acq: 29 May 2019 13:42

Tgt Ion:	91	Resp:	132779
Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.2	42.6





#83

tert-Butylbenzene

Concen: 19.861 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX009936.D

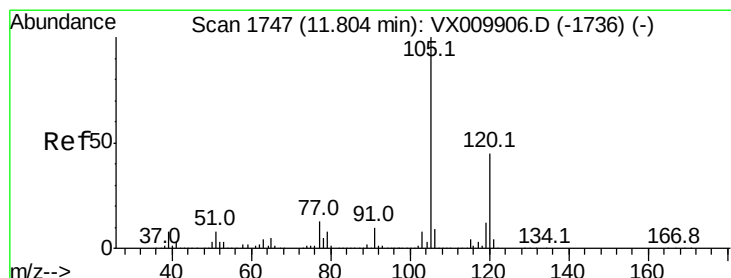
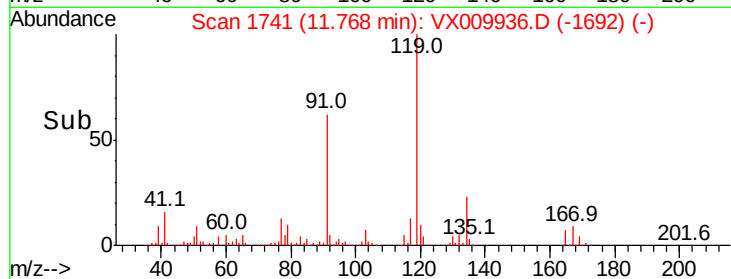
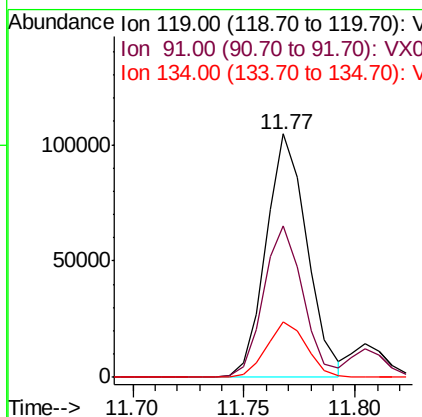
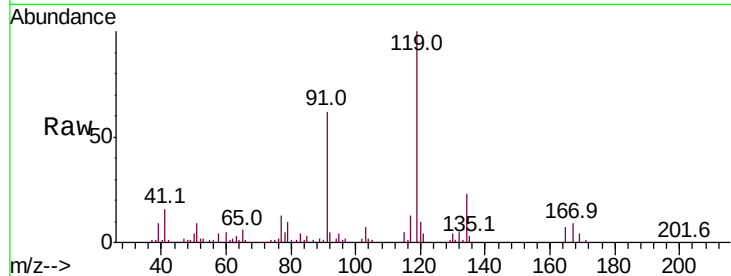
Acq: 29 May 2019 13:42

Instrument :
MSVOA_X
ClientSampleId :
VX0529WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	133788		
91	60.3	30.0	90.0	
134	22.4	11.2	33.5	

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#84

1,2,4-Trimethylbenzene

Concen: 20.085 ug/l

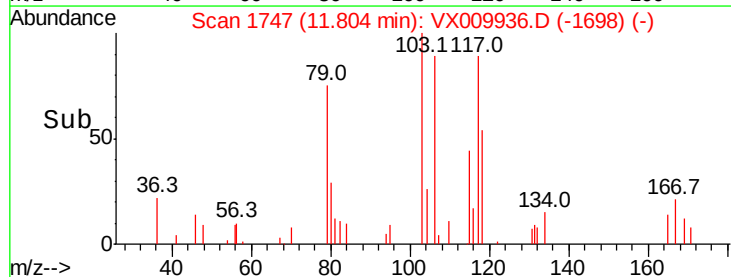
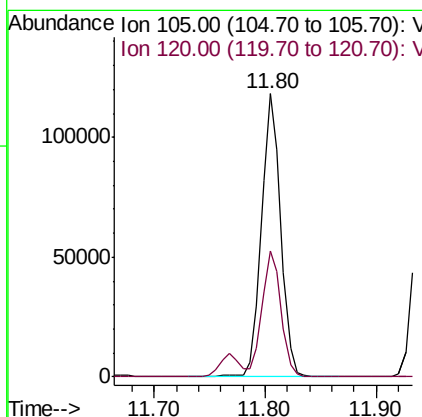
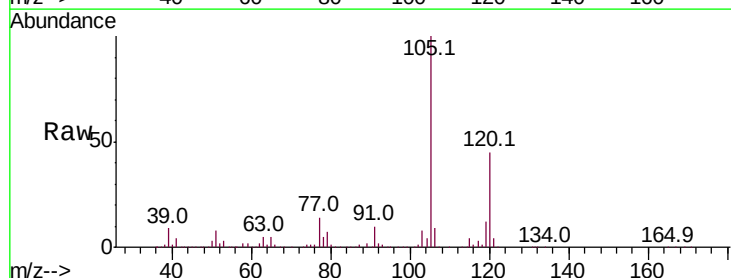
RT: 11.80 min Scan# 1747

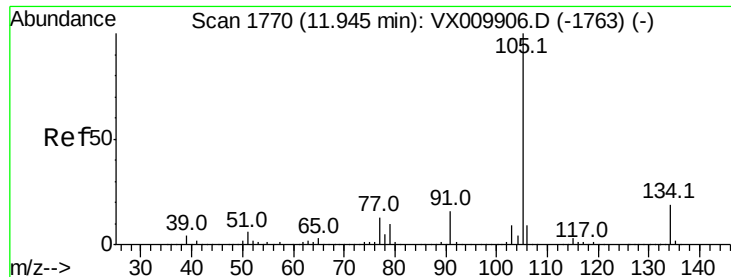
Delta R.T. 0.00 min

Lab File: VX009936.D

Acq: 29 May 2019 13:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	143618		
120	43.5	22.1	66.1	





#85

sec-Butylbenzene

Concen: 20.185 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009936.D

Acq: 29 May 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBSD01

Tot Ion:105 Resp: 161758

Ion Ratio Lower Upper

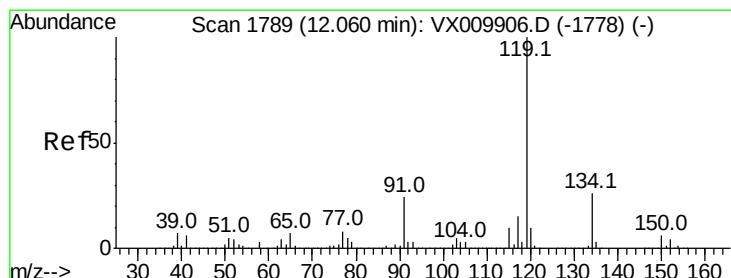
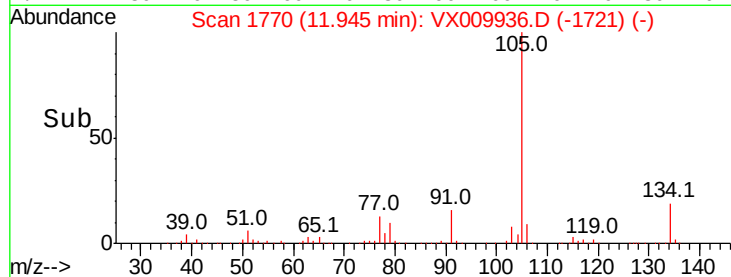
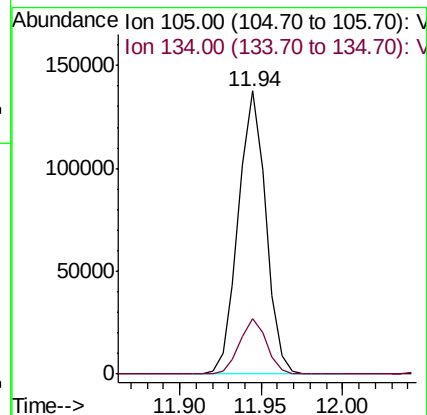
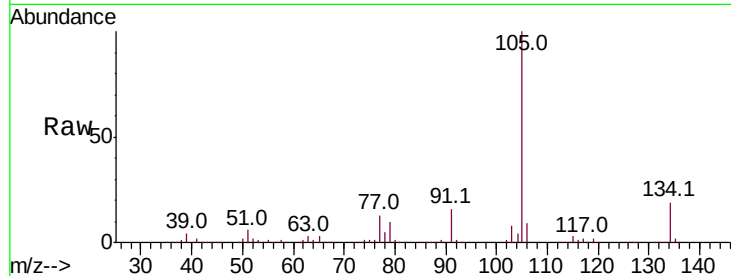
105 100

134 19.1 9.7 28.9

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#86

p-Isopropyltoluene

Concen: 20.328 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009936.D

Acq: 29 May 2019 13:42

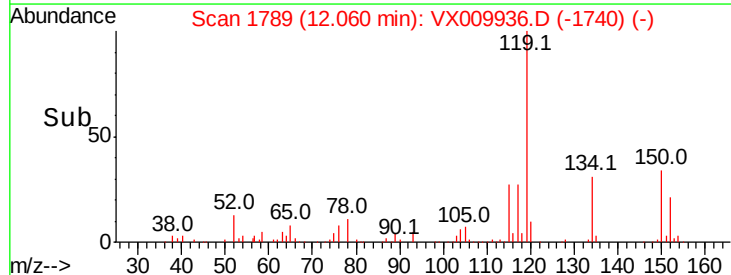
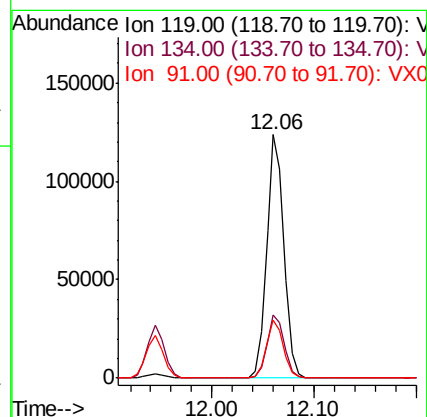
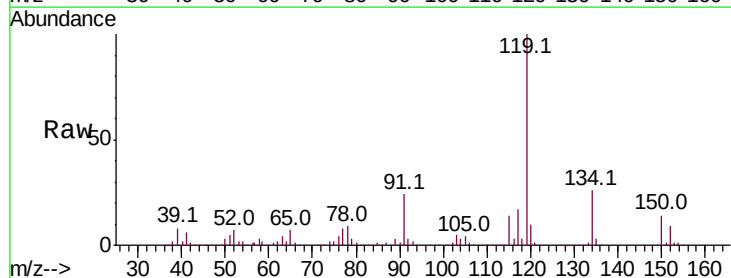
Tgt Ion:119 Resp: 146530

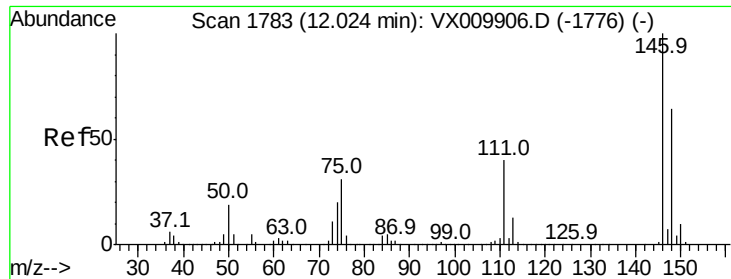
Ion Ratio Lower Upper

119 100

134 26.0 12.9 38.6

91 24.1 11.9 35.9





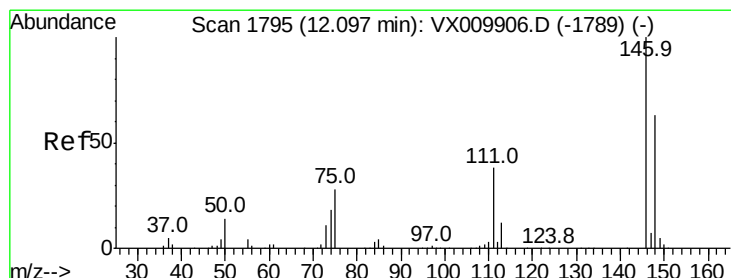
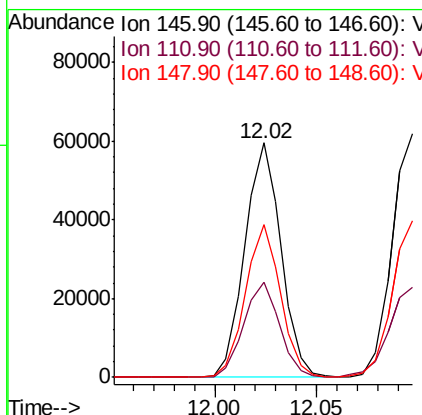
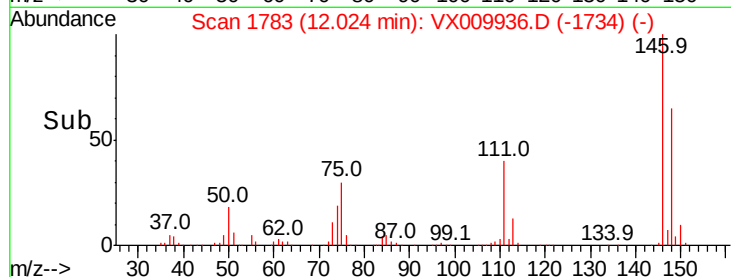
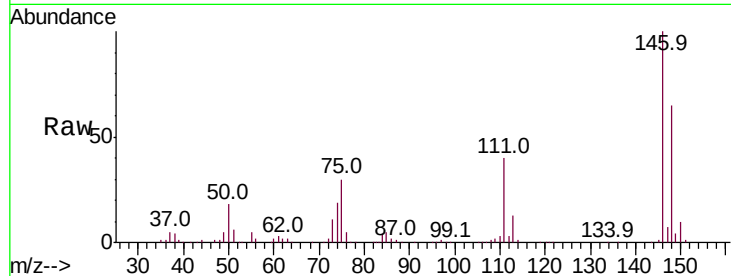
#87
 1,3-Dichlorobenzene
 Concen: 19.359 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009936.D
 Acq: 29 May 2019 13:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0529WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.1	60.2
148	63.5	31.9	95.5

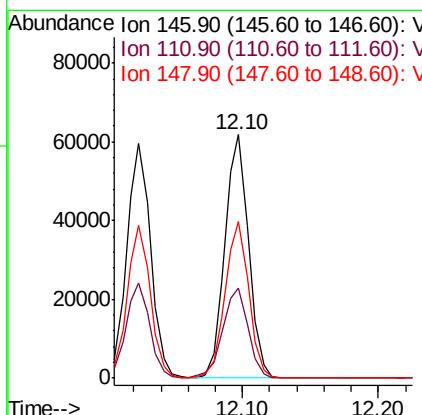
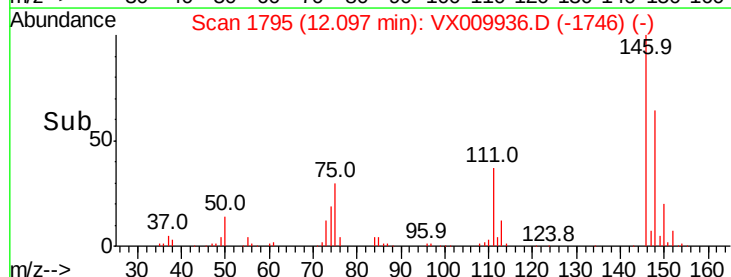
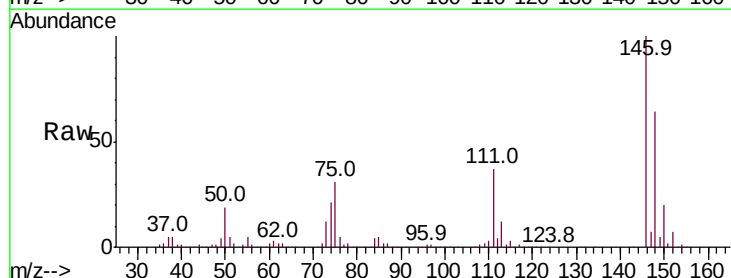
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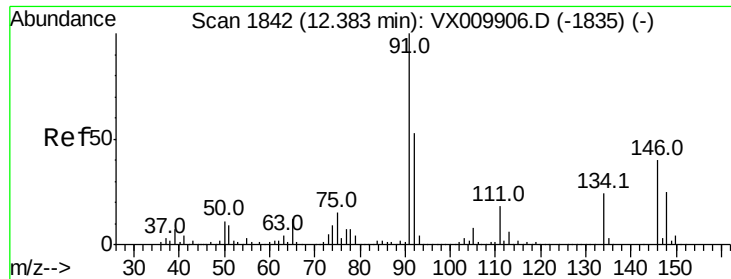
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#88
 1,4-Dichlorobenzene
 Concen: 19.231 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009936.D
 Acq: 29 May 2019 13:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	59.9
148	64.4	32.3	96.9





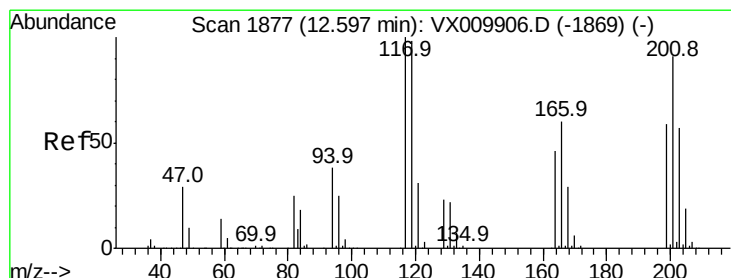
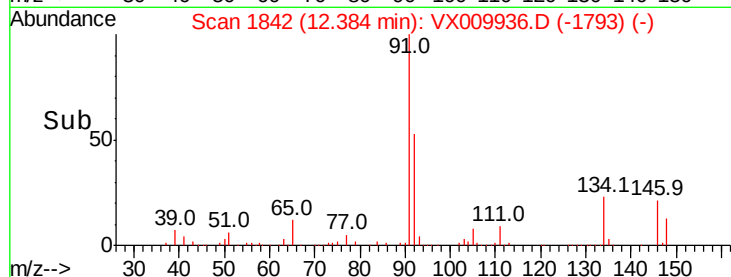
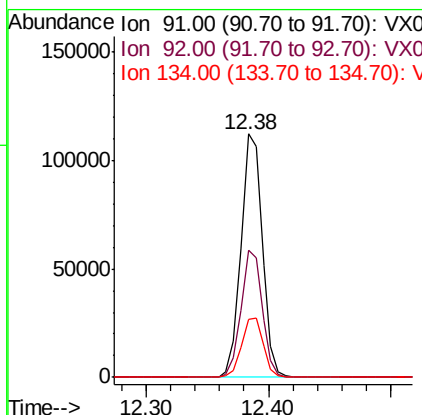
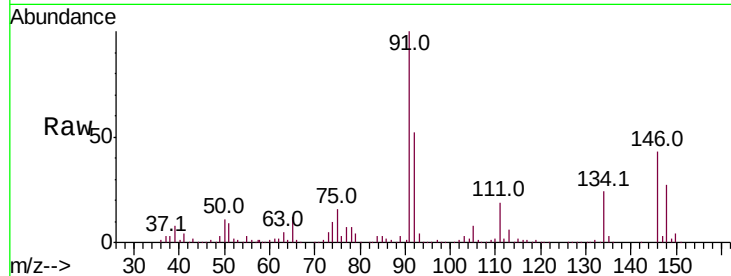
#89
n-Butylbenzene
Concen: 19.864 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009936.D
Acq: 29 May 2019 13:42

Instrument :
MSVOA_X
ClientSampleId :
VX0529WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.3	78.8
134	24.7	12.3	36.8

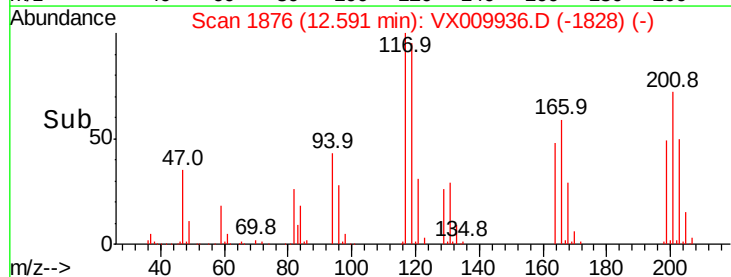
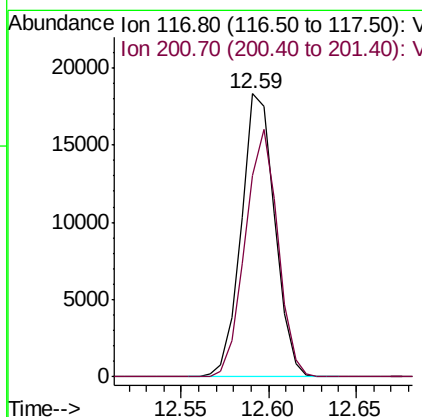
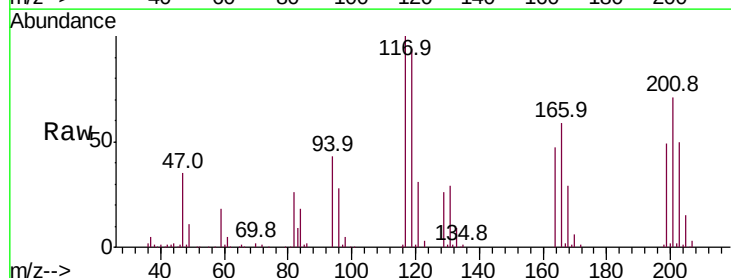
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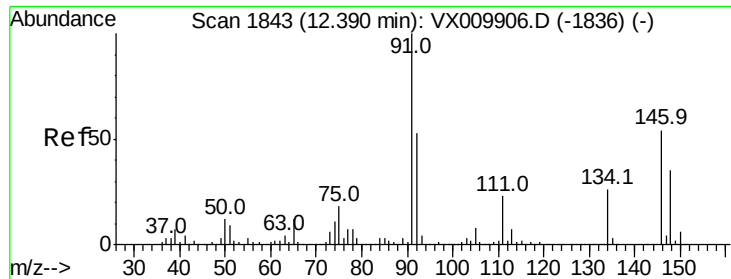
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#90
Hexachloroethane
Concen: 19.683 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009936.D
Acq: 29 May 2019 13:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.3	43.6	130.9





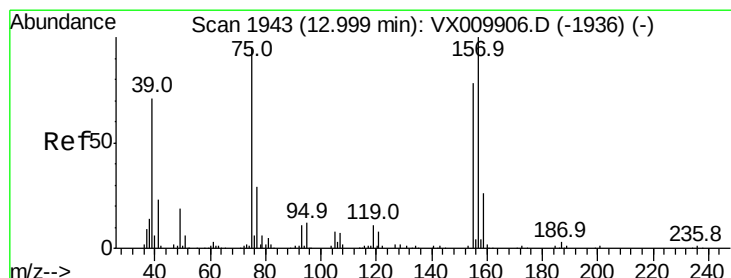
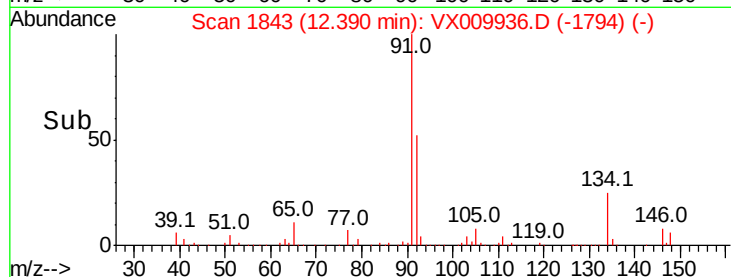
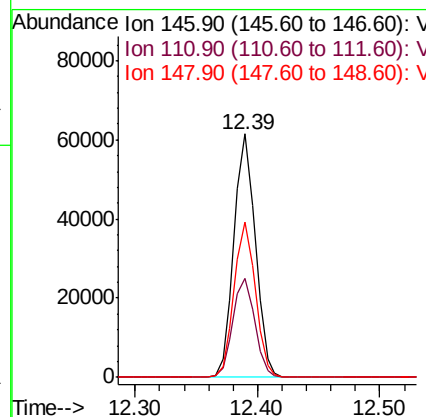
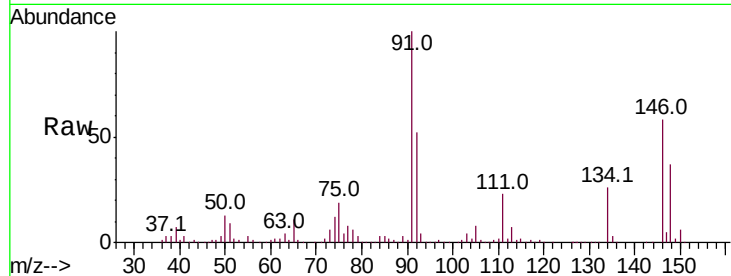
#91
 1,2-Dichlorobenzene
 Concen: 19.912 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009936.D
 Acq: 29 May 2019 13:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0529WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	21.1	63.1
148	63.2	32.3	96.8

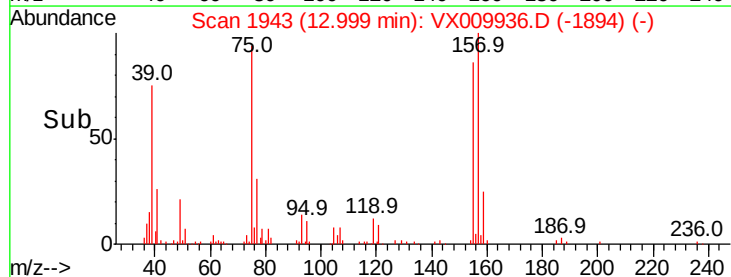
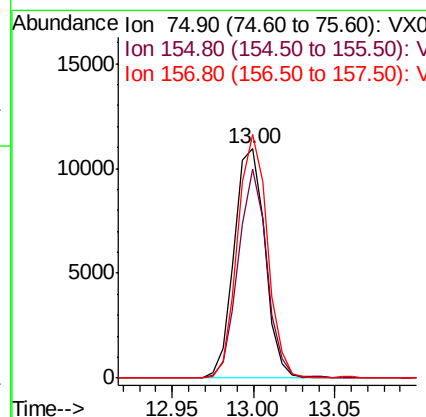
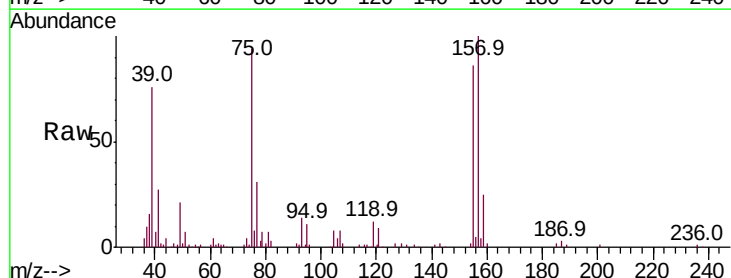
Manual Integrations
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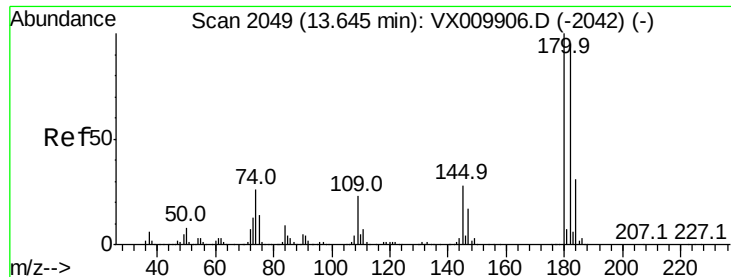
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 5/30/2019 9:54:27 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.697 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009936.D
 Acq: 29 May 2019 13:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.8	39.3	117.8
157	102.7	50.6	151.8





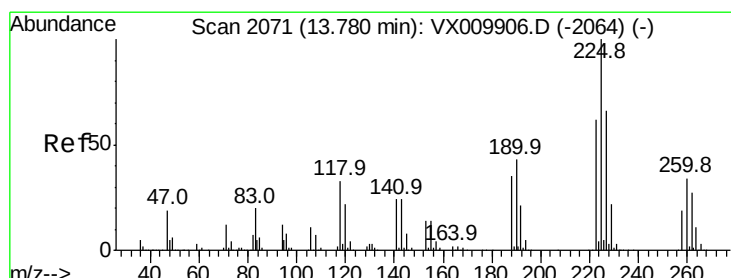
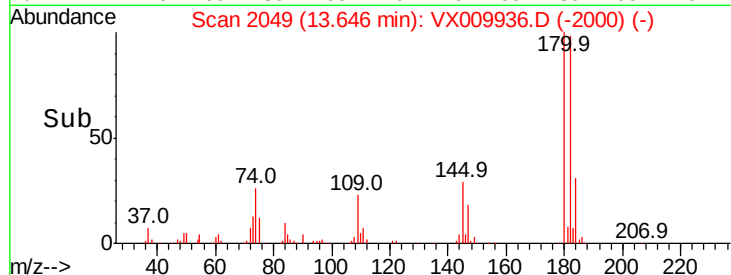
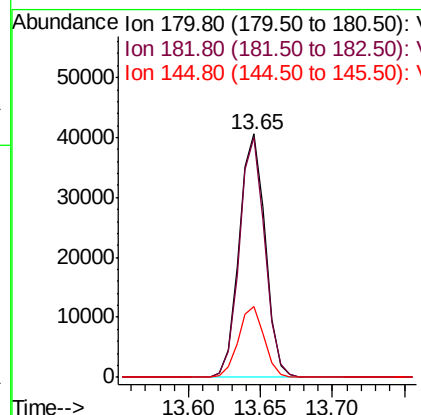
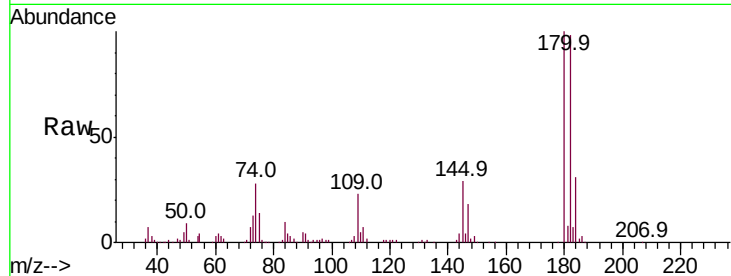
#93
 1,2,4-Trichlorobenzene
 Concen: 19.229 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009936.D
 Acq: 29 May 2019 13:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0529WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	51374		
182	96.1	47.4	142.2	
145	28.6	14.5	43.5	

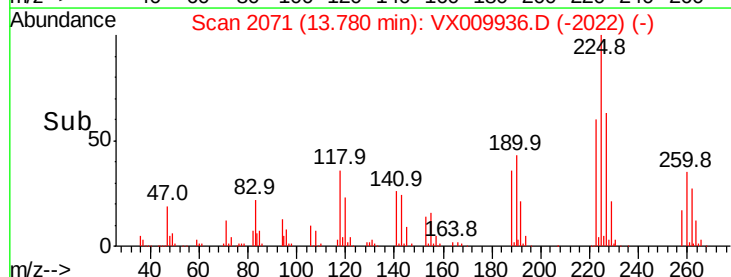
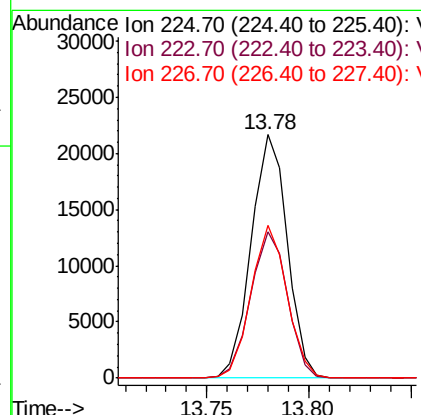
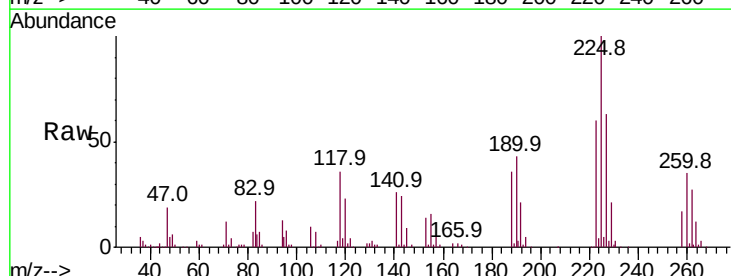
Manual Integrations
 APPROVED

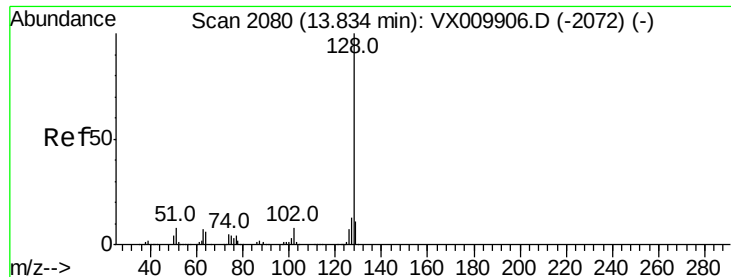
MMDadoda
 5/30/2019 9:54:27 AM



#94
 Hexachlorobutadiene
 Concen: 19.916 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009936.D
 Acq: 29 May 2019 13:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	26689		
223	61.1	31.3	93.8	
227	62.3	32.3	96.8	





#95

Naphthalene

Concen: 20.152 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX009936.D

Acq: 29 May 2019 13:42

Instrument :

MSVOA_X

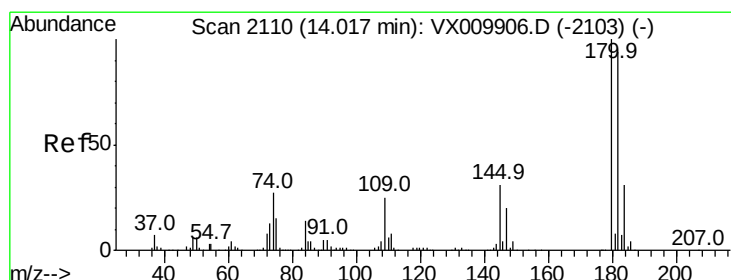
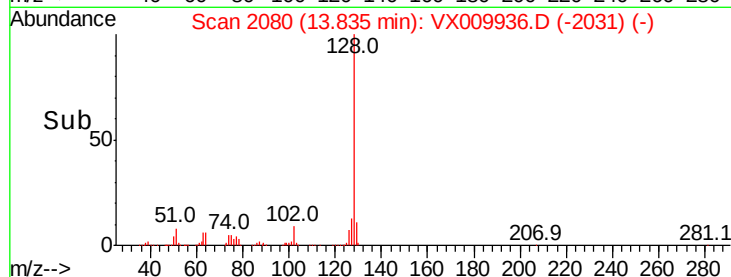
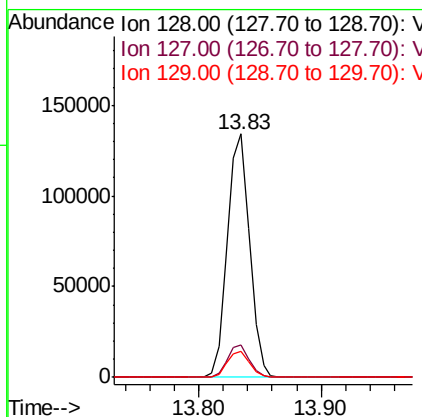
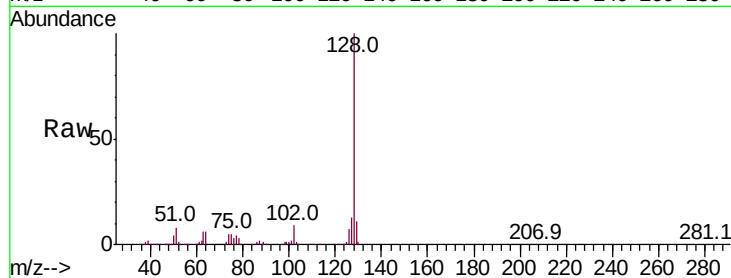
ClientSampleId :

VX0529WBSD01

Tot Ion:	128	Resp:	167545
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	16.0
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/30/2019 9:54:27 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.758 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX009936.D

Acq: 29 May 2019 13:42

Tgt Ion:	180	Resp:	52840
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.3	142.0
145	31.2	15.6	46.7

