

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052819\
 Data File : VX009908.D
 Acq On : 28 May 2019 11:54
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 5/29/2019 9:24:58 AM

Quant Time: May 29 03:59:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 03:39:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	144394	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	250655	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	236692	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	118268	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	330649	169.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	338.42%	
35) Dibromofluoromethane	5.50	113	234511	150.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	300.32%	
50) Toluene-d8	8.71	98	954715	151.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	302.14%	
62) 4-Bromofluorobenzene	11.13	95	358290	155.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	311.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	258332	179.520	ug/l	100
3) Chloromethane	1.32	50	372750	195.443	ug/l	100
4) Vinyl Chloride	1.41	62	317921	172.771	ug/l	100
5) Bromomethane	1.64	94	233006	211.297	ug/l	99
6) Chloroethane	1.70	64	210469	181.030	ug/l	99
7) Trichlorofluoromethane	1.92	101	329058	149.493	ug/l	98
8) Diethyl Ether	2.19	74	175610	170.450	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	186296	136.347	ug/l	100
10) Methyl Iodide	2.50	142	288139	198.925	ug/l	100
11) Tert butyl alcohol	3.08	59	409203	885.682	ug/l	100
12) 1,1-Dichloroethene	2.36	96	211982	154.948	ug/l	98
13) Acrolein	2.29	56	290886	722.643	ug/l	100
14) Allyl chloride	2.72	41	573367	170.887	ug/l	100
15) Acrylonitrile	3.15	53	992533	880.115	ug/l	100
16) Acetone	2.45	43	962565	893.424	ug/l	100
17) Carbon Disulfide	2.56	76	666936	171.340	ug/l	99
18) Methyl Acetate	2.78	43	433571	170.874	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	922087	174.283	ug/l	100
20) Methylene Chloride	2.85	84	286070	165.849	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	242832	164.069	ug/l	99
22) Diisopropyl ether	3.86	45	1112283	173.265	ug/l #	85
23) Vinyl Acetate	3.82	43	5185195	939.123	ug/l	99
24) 1,1-Dichloroethane	3.70	63	518768	164.220	ug/l	99
25) 2-Butanone	4.68	43	1543862	924.097	ug/l	99
26) 2,2-Dichloropropane	4.58	77	385666	163.855	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	294407	167.178	ug/l	98
28) Bromochloromethane	5.02	49	254958	178.119	ug/l	100
29) Tetrahydrofuran	5.13	42	990240	923.160	ug/l	100
30) Chloroform	5.21	83	472866	165.872	ug/l	100
31) Cyclohexane	5.57	56	430186	144.596	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	372563	156.617	ug/l	99
36) 1,1-Dichloropropene	5.80	75	342803	145.378	ug/l	100
37) Ethyl Acetate	4.84	43	571079	172.695	ug/l	100
38) Carbon Tetrachloride	5.78	117	306173	142.992	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	386889	133.202	ug/l	98
40) Benzene	6.14	78	1128593	155.039	ug/l	100
41) Methacrylonitrile	5.05	41	328205	167.702	ug/l	99
42) 1,2-Dichloroethane	6.19	62	421137	160.635	ug/l	100
43) Isopropyl Acetate	6.45	43	934409	177.263	ug/l	100
44) Trichloroethene	7.21	130	260918	148.474	ug/l	100
45) 1,2-Dichloropropane	7.51	63	331460	160.838	ug/l	96
46) Dibromomethane	7.66	93	192387	160.843	ug/l	99
47) Bromodichloromethane	7.90	83	396612	166.535	ug/l	99
48) Methyl methacrylate	7.77	41	471906	179.829	ug/l	100
49) 1,4-Dioxane	7.74	88	158444	3017.735	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	2894498	837.953	ug/l	99
52) Toluene	8.79	92	692285	156.407	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	493539	182.101	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	519581	173.875	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	291033	162.003	ug/l	98
56) Ethyl methacrylate	9.18	69	550658	170.494	ug/l	100
57) 1,3-Dichloropropane	9.37	76	517472	162.968	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	1393481	821.800	ug/l	100
59) 2-Hexanone	9.49	43	2273836	838.915	ug/l	99
60) Dibromochloromethane	9.59	129	305124	173.235	ug/l	99
61) 1,2-Dibromoethane	9.67	107	305835	168.376	ug/l	99
64) Tetrachloroethene	9.34	164	224559	137.246	ug/l	98
65) Chlorobenzene	10.14	112	733383	153.939	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	271227	157.238	ug/l	99
67) Ethyl Benzene	10.25	91	1335517	152.270	ug/l	99
68) m/p-Xylenes	10.36	106	984963	307.012	ug/l	98
69) o-Xylene	10.70	106	478058	151.122	ug/l	99
70) Styrene	10.71	104	860404	156.888	ug/l	100
71) Bromoform	10.86	173	240270	171.138	ug/l #	99
73) Isopropylbenzene	11.02	105	1229742	142.106	ug/l	100
74) N-amyl acetate	10.90	43	841132	166.138	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	486426	151.505	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	404095m	146.318	ug/l	
77) Bromobenzene	11.26	156	322221	150.191	ug/l	98
78) n-propylbenzene	11.36	91	1441520	145.586	ug/l	100
79) 2-Chlorotoluene	11.42	91	880351	144.042	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1073596	147.136	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	190710	175.757	ug/l	97
82) 4-Chlorotoluene	11.51	91	1040755	150.596	ug/l	99
83) tert-Butylbenzene	11.77	119	1039702	146.742	ug/l	96
84) 1,2,4-Trimethylbenzene	11.80	105	1090880	148.934	ug/l	100
85) sec-Butylbenzene	11.94	105	1164803	138.624	ug/l	100
86) p-Isopropyltoluene	12.07	119	1090488	144.204	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	578719	151.405	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	577959	149.906	ug/l	100
89) n-Butylbenzene	12.38	91	1035522	150.848	ug/l	99
90) Hexachloroethane	12.60	117	200017	155.522	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	579788	149.408	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	117756	163.529	ug/l	97

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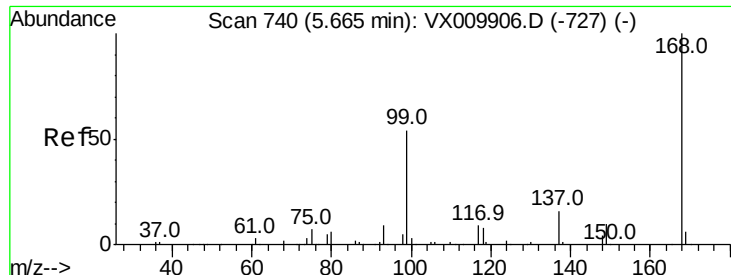
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	422295	158.685	ug/l	100
94) Hexachlorobutadiene	13.78	225	183215	134.484	ug/l	99
95) Naphthalene	13.83	128	1373970	159.847	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	422037	156.821	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: VX009908.D

Acq: 28 May 2019 11:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 144394

Ion Ratio Lower Upper

168 100

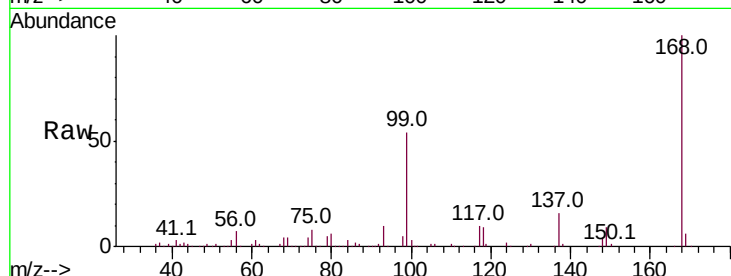
99 53.9 43.0 64.6

Manual Integrations

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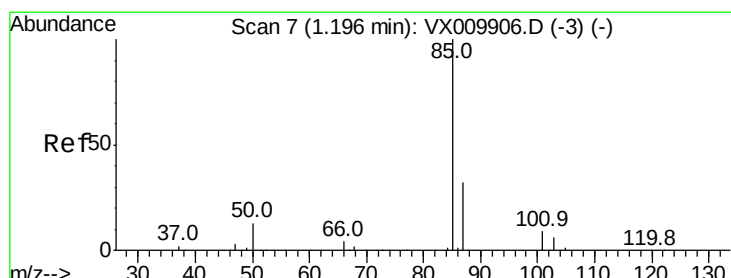
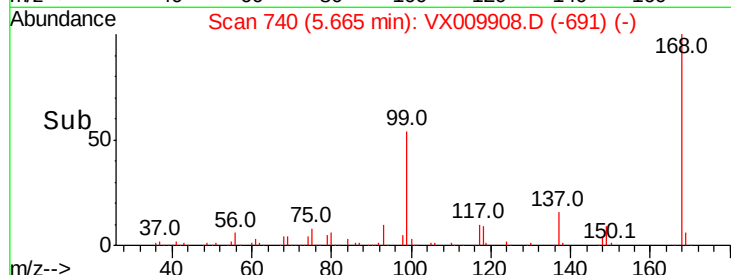
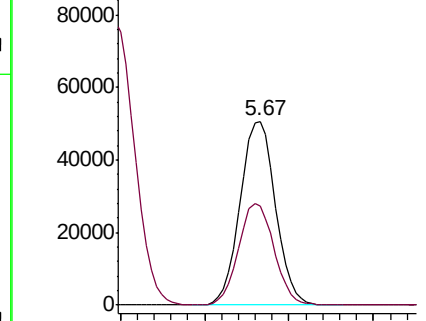
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 179.520 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009908.D

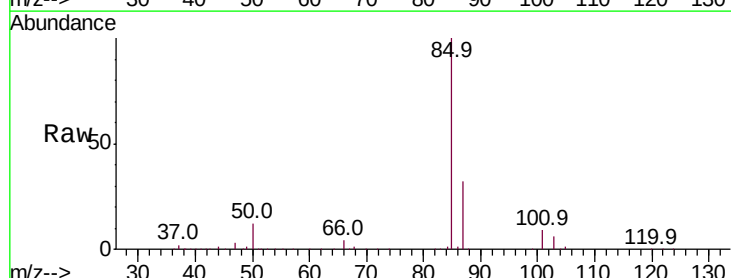
Acq: 28 May 2019 11:54

Tgt Ion: 85 Resp: 258332

Ion Ratio Lower Upper

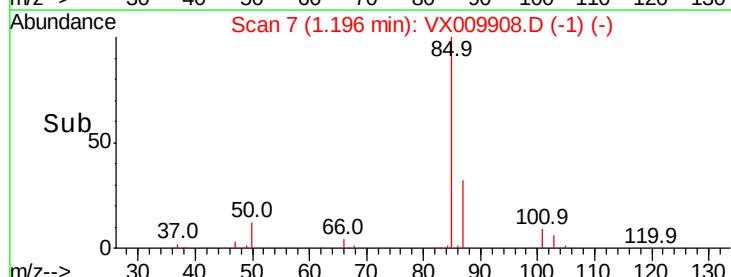
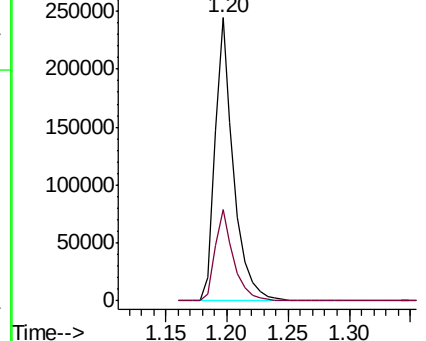
85 100

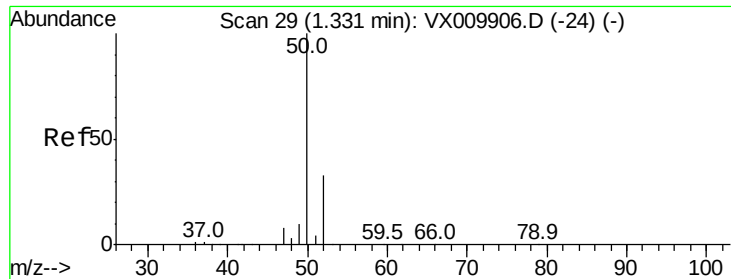
87 32.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 195.443 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX009908.D

Acq: 28 May 2019 11:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 372750

Ion Ratio Lower Upper

50 100

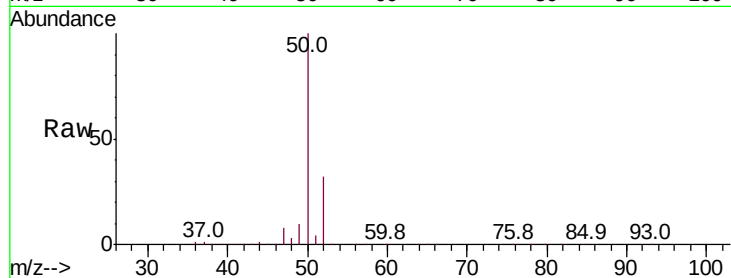
52 32.3 26.0 39.0

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400000

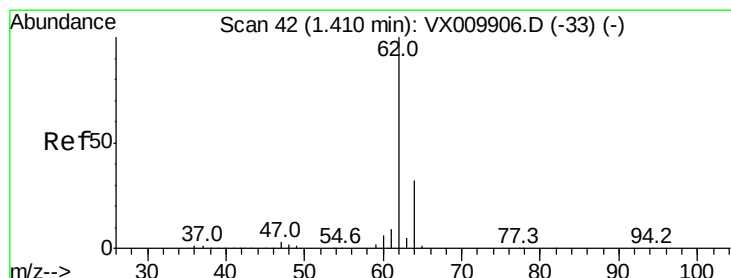
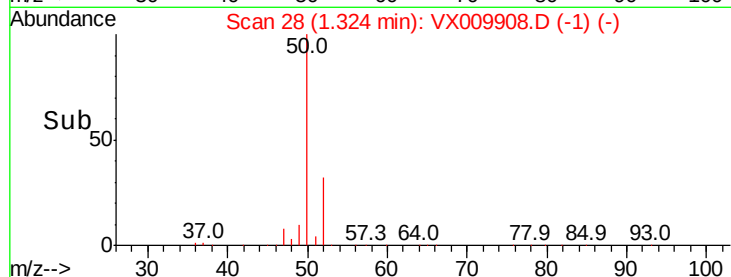
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 172.771 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009908.D

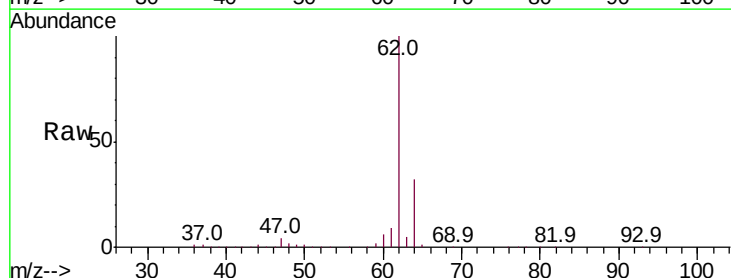
Acq: 28 May 2019 11:54

Tgt Ion: 62 Resp: 317921

Ion Ratio Lower Upper

62 100

64 32.3 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

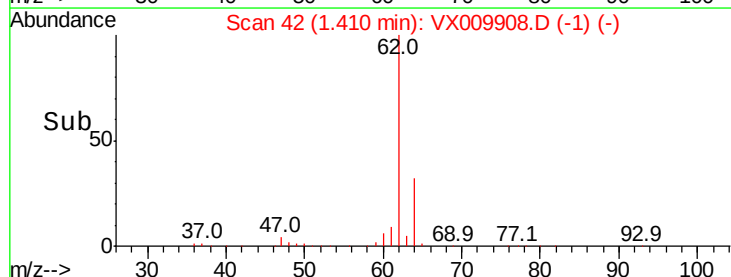
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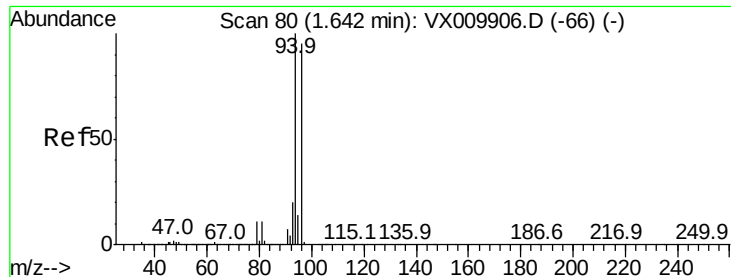
200000

100000

0

Time-->





#5

Bromomethane

Concen: 211.297 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX009908.D

Acq: 28 May 2019 11:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 233006

Ion Ratio Lower Upper

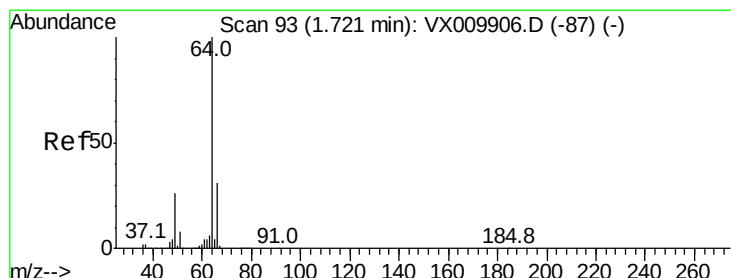
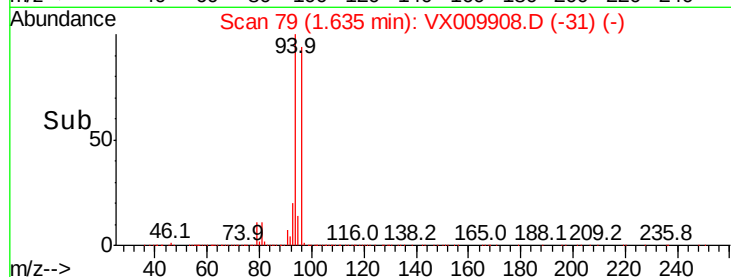
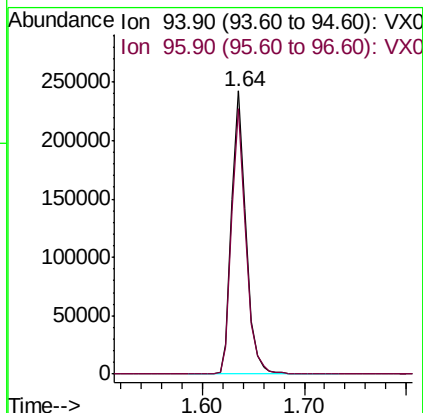
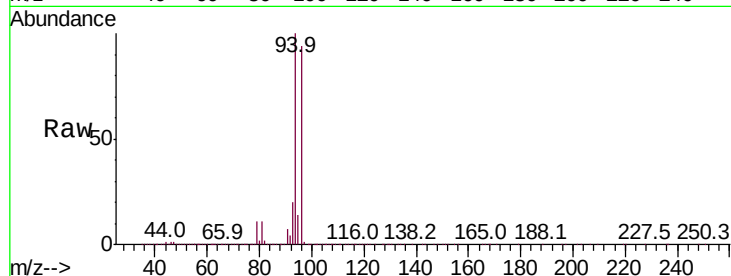
94 100

96 93.9 76.2 114.4

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#6

Chloroethane

Concen: 181.030 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.02 min

Lab File: VX009908.D

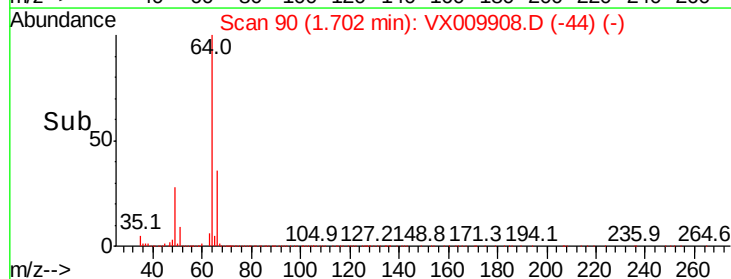
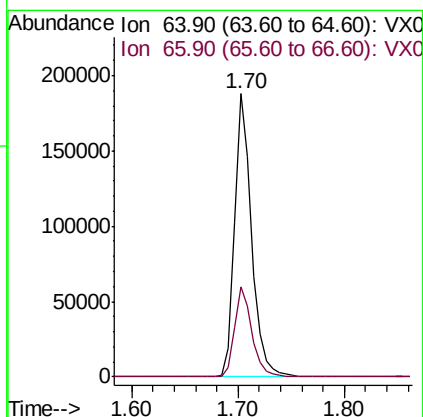
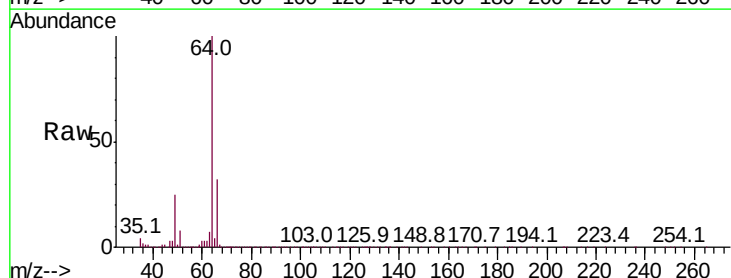
Acq: 28 May 2019 11:54

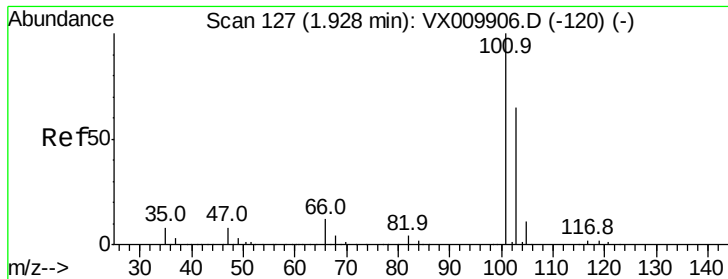
Tgt Ion: 64 Resp: 210469

Ion Ratio Lower Upper

64 100

66 31.9 25.1 37.7





#7

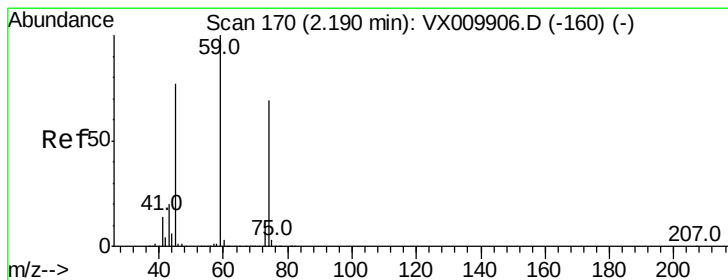
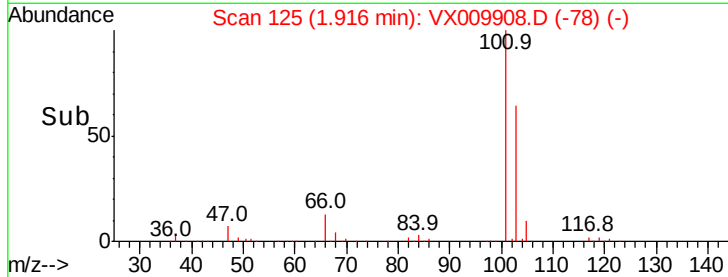
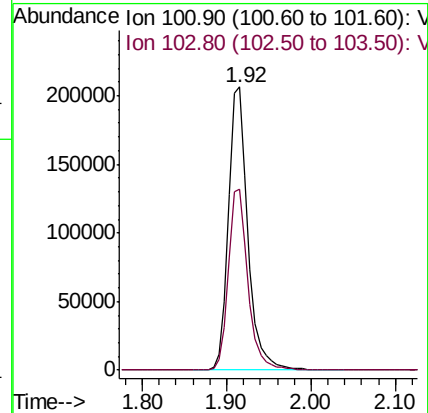
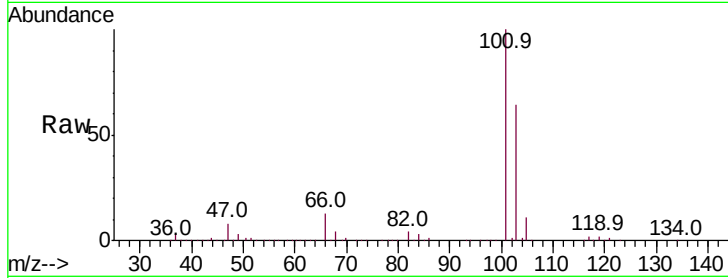
Trichlorofluoromethane
Concen: 149.493 ug/l
RT: 1.92 min Scan# 125
Delta R.T. -0.01 min
Lab File: VX009908.D
Acq: 28 May 2019 11:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.2	78.4

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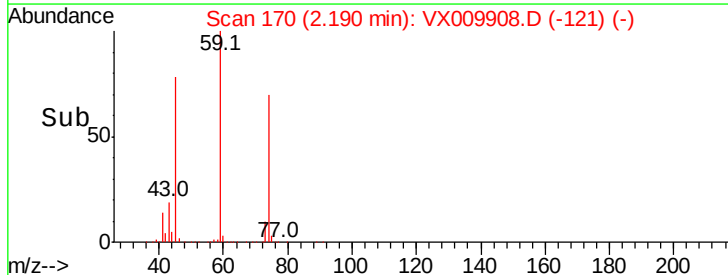
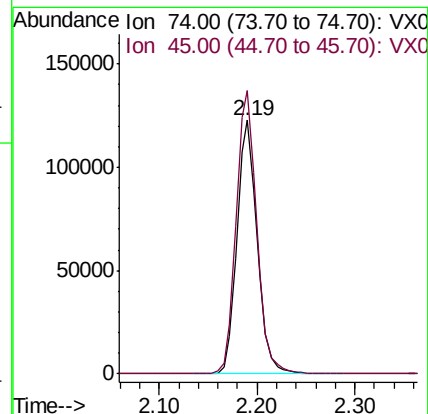
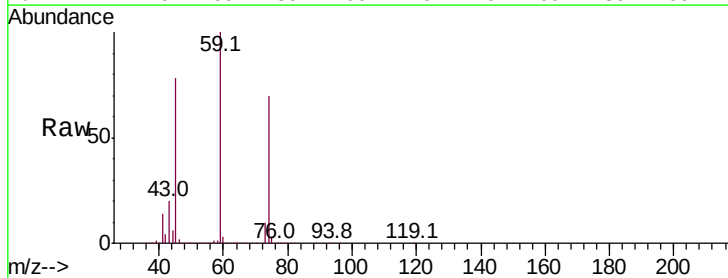
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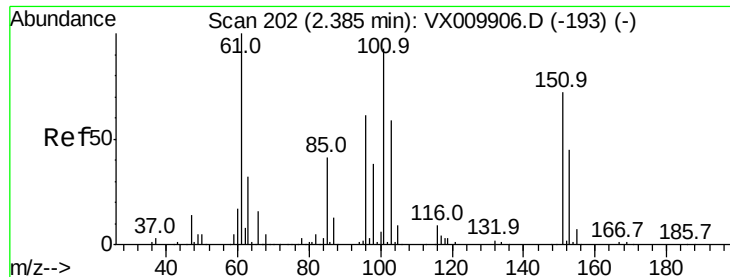


#8

Diethyl Ether
Concen: 170.450 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX009908.D
Acq: 28 May 2019 11:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	113.4	56.1	168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 136.347 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX009908.D

Acq: 28 May 2019 11:54

Instrument :

MSVOA_X

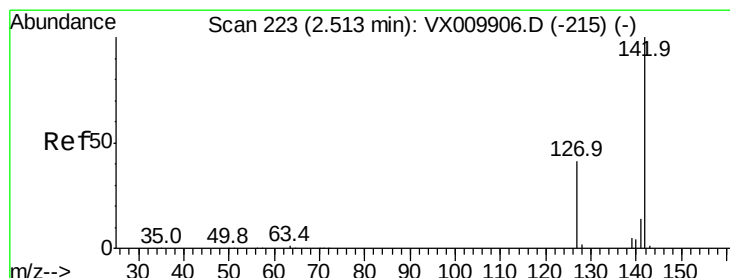
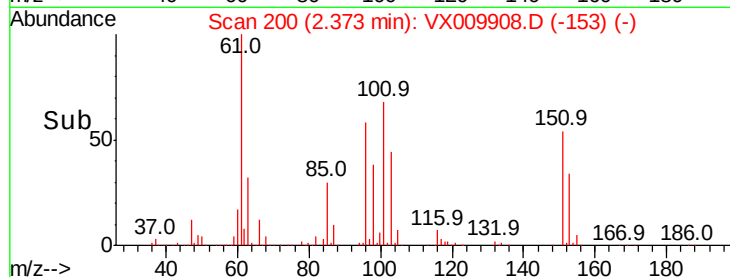
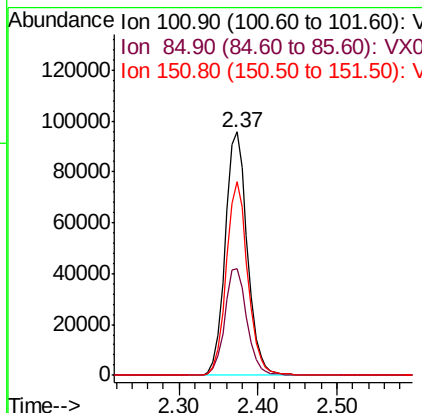
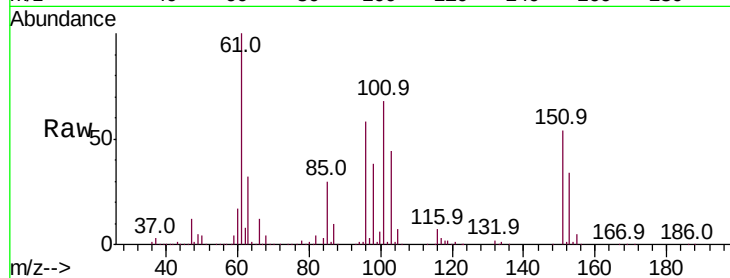
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	186296
Ion Ratio	Lower	Upper	
101	100		
85	44.0	35.2	52.8
151	77.6	61.9	92.9

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#10

Methyl Iodide

Concen: 198.925 ug/l

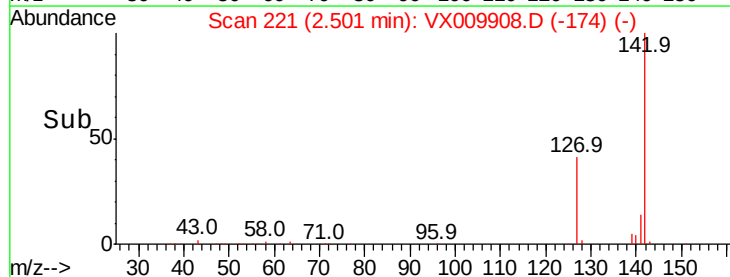
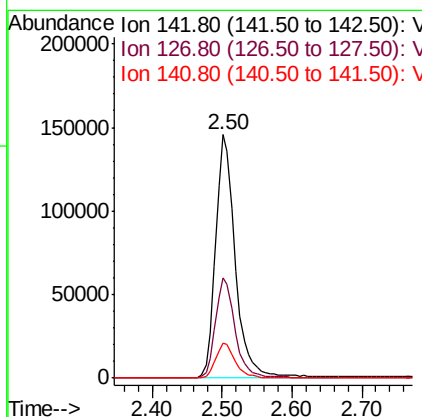
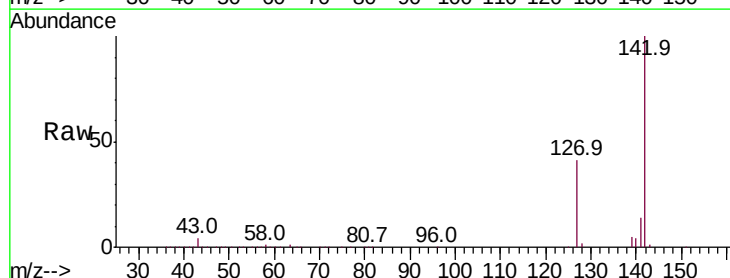
RT: 2.50 min Scan# 221

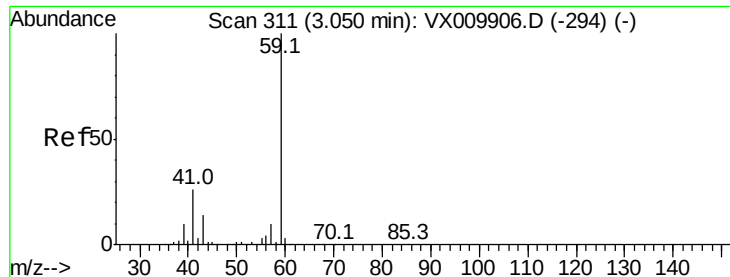
Delta R.T. -0.01 min

Lab File: VX009908.D

Acq: 28 May 2019 11:54

Tgt Ion:	142	Resp:	288139
Ion Ratio	Lower	Upper	
142	100		
127	40.9	33.0	49.4
141	14.2	11.4	17.0





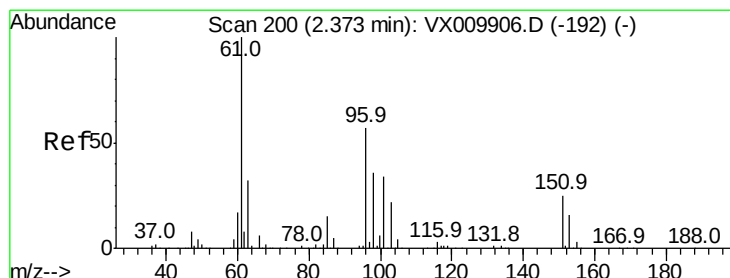
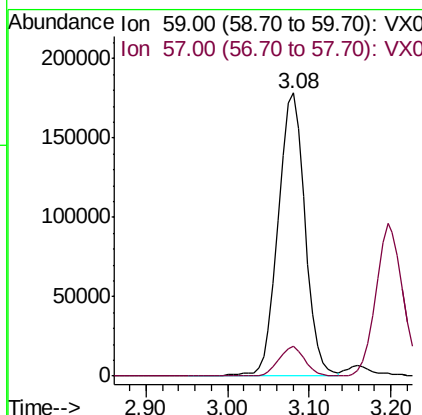
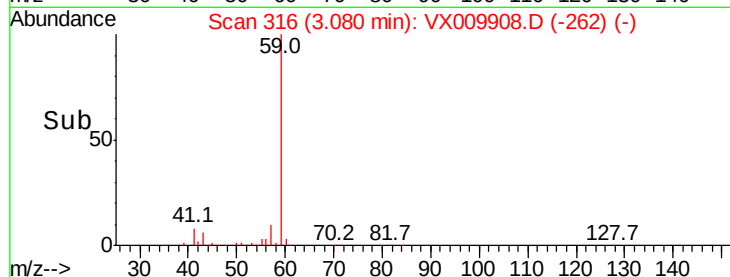
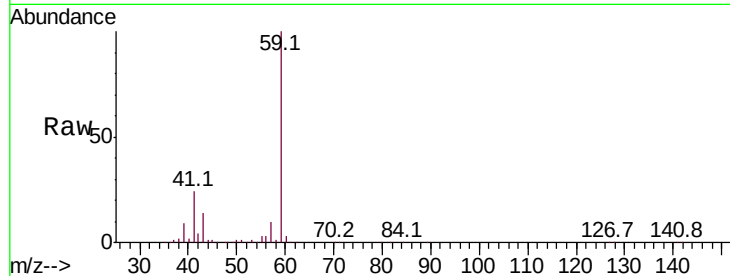
#11
Tert butyl alcohol
Concen: 885.682 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.03 min
Lab File: VX009908.D
Acq: 28 May 2019 11:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 59 Resp: 409203
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.2

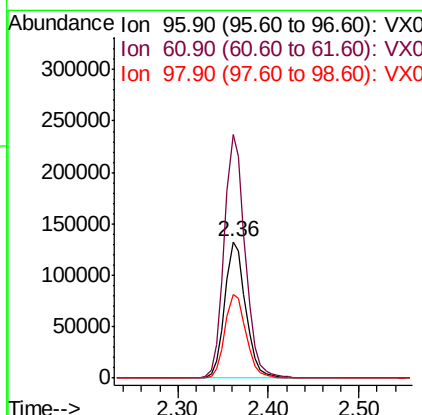
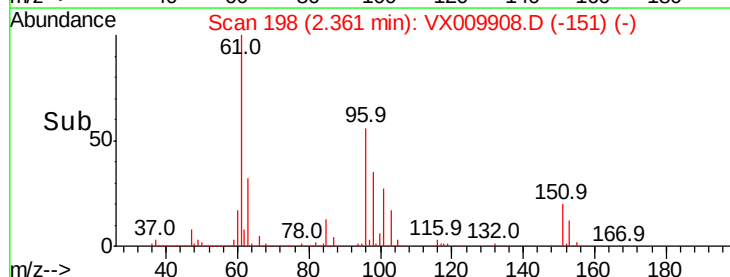
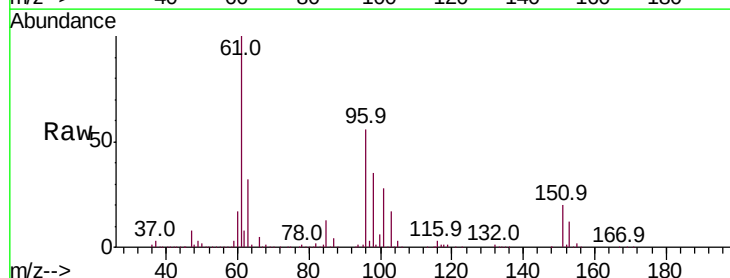
Manual Integrations
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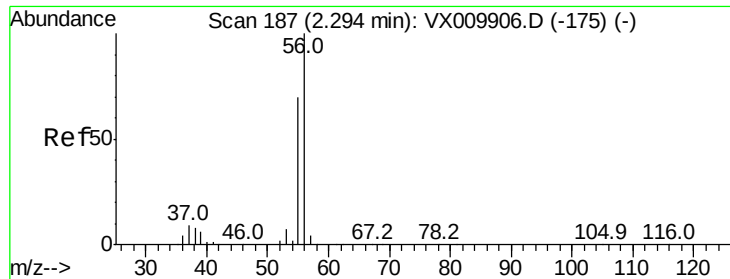
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#12
1,1-Dichloroethene
Concen: 154.948 ug/l
RT: 2.36 min Scan# 198
Delta R.T. -0.01 min
Lab File: VX009908.D
Acq: 28 May 2019 11:54

Tgt Ion: 96 Resp: 211982
Ion Ratio Lower Upper
96 100
61 178.6 140.7 211.1
98 61.7 50.1 75.1





#13

Acrolein

Concen: 722.643 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009908.D

Acq: 28 May 2019 11:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 290886

Ion Ratio Lower Upper

56 100

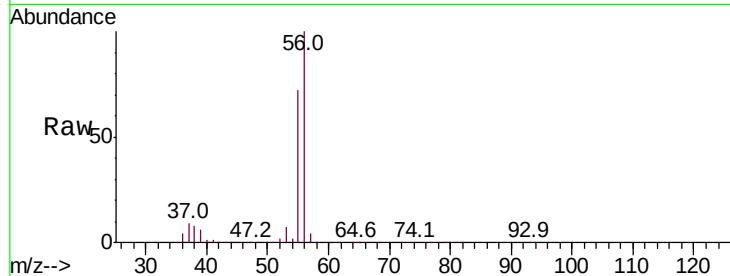
55 71.4 57.0 85.4

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

200000

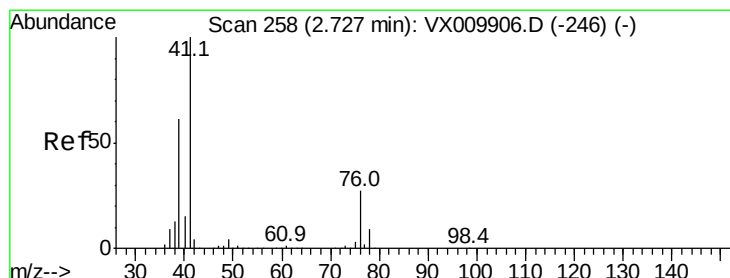
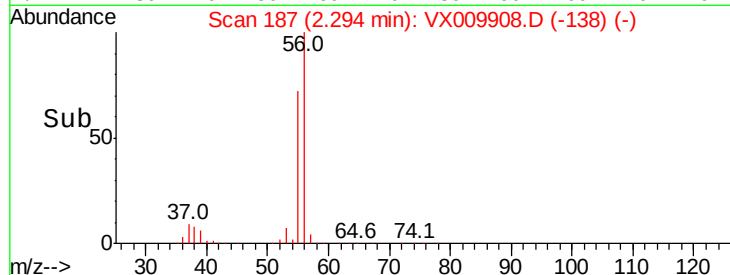
150000

100000

50000

0

Time-->



#14

Allyl chloride

Concen: 170.887 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX009908.D

Acq: 28 May 2019 11:54

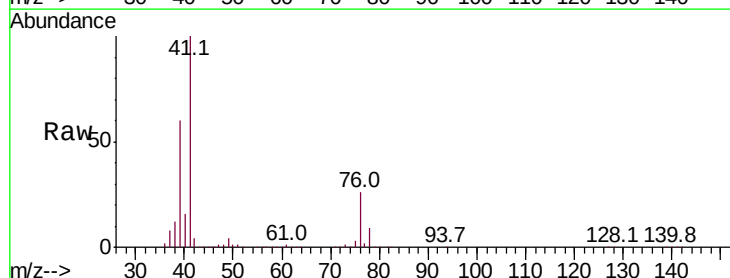
Tgt Ion: 41 Resp: 573367

Ion Ratio Lower Upper

41 100

39 58.1 46.7 70.1

76 26.1 21.0 31.4



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

400000

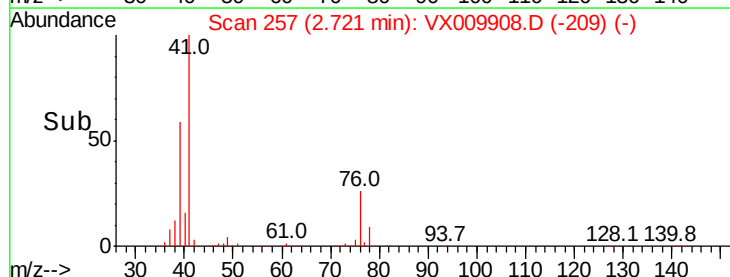
300000

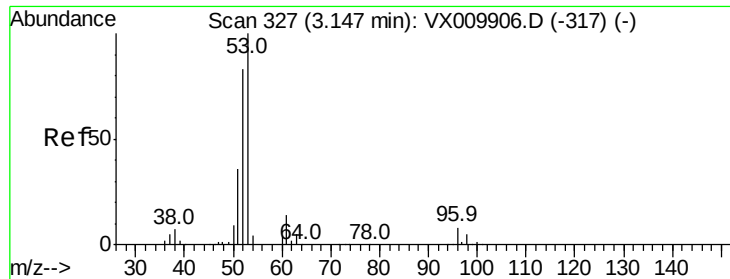
200000

100000

0

Time-->





#15

Acrylonitrile

Concen: 880.115 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX009908.D

Acq: 28 May 2019 11:54

Instrument :

MSVOA_X

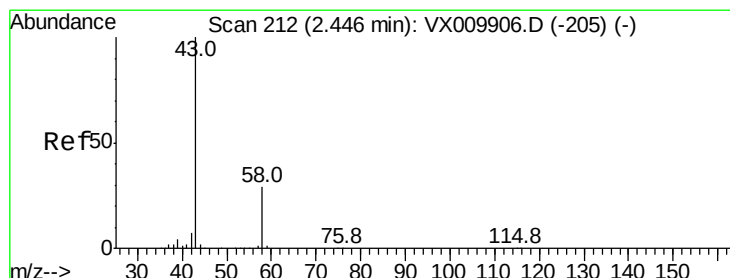
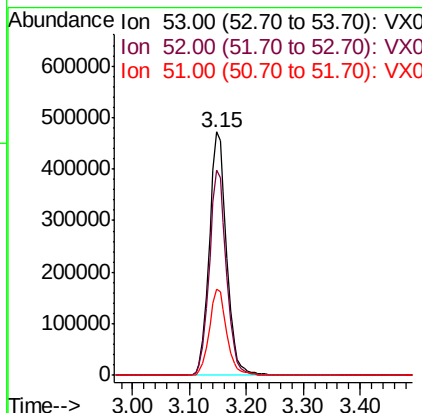
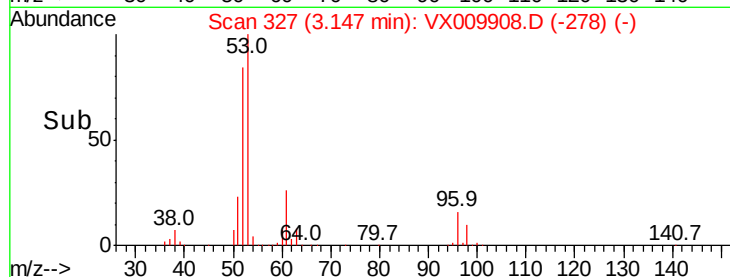
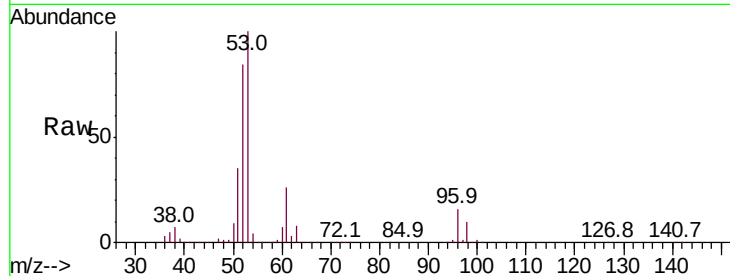
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	992533
Ion Ratio	Lower	Upper	
53	100		
52	83.6	66.7	100.1
51	35.7	28.8	43.2

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#16

Acetone

Concen: 893.424 ug/l

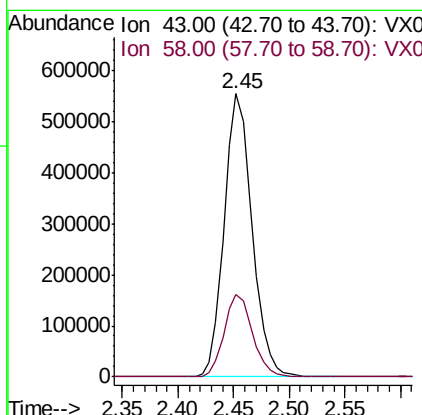
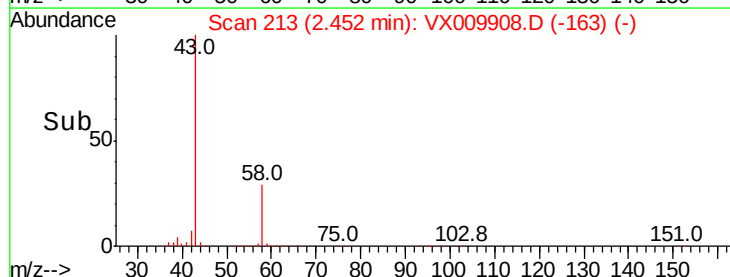
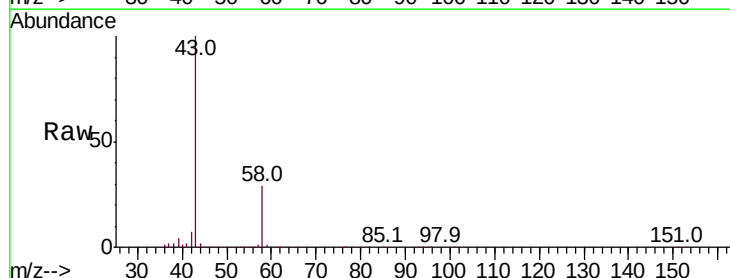
RT: 2.45 min Scan# 213

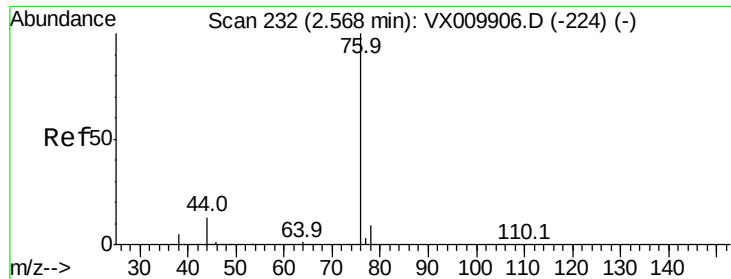
Delta R.T. 0.01 min

Lab File: VX009908.D

Acq: 28 May 2019 11:54

Tgt Ion:	43	Resp:	962565
Ion Ratio	Lower	Upper	
43	100		
58	29.3	23.2	34.8





#17

Carbon Disulfide

Concen: 171.340 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX009908.D

Acq: 28 May 2019 11:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 666936

Ion Ratio Lower Upper

76 100

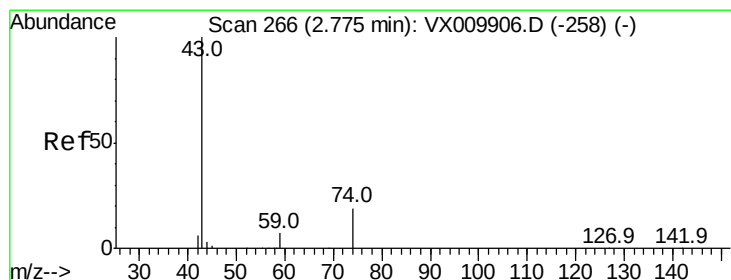
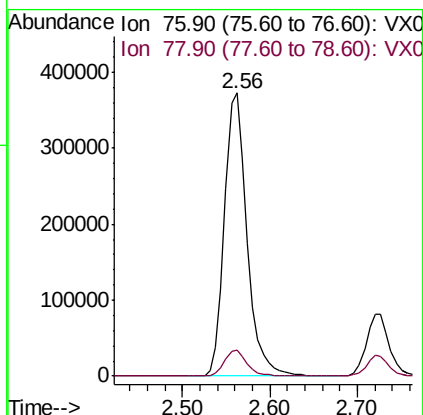
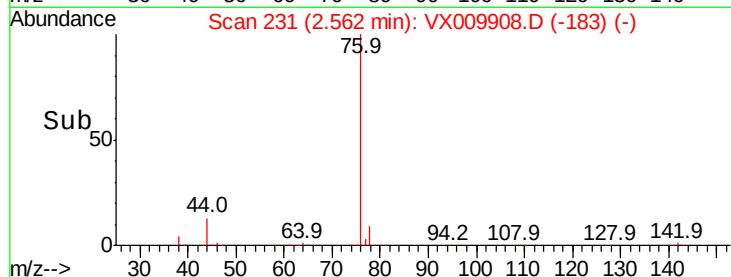
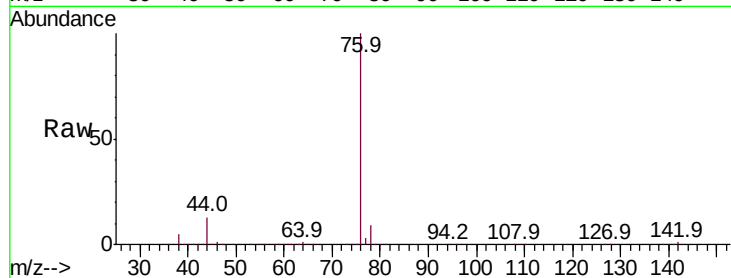
78 9.3 7.0 10.6

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#18

Methyl Acetate

Concen: 170.874 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX009908.D

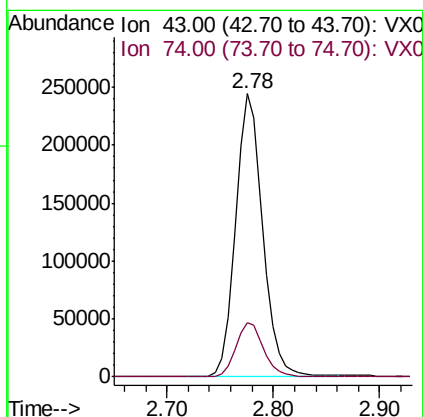
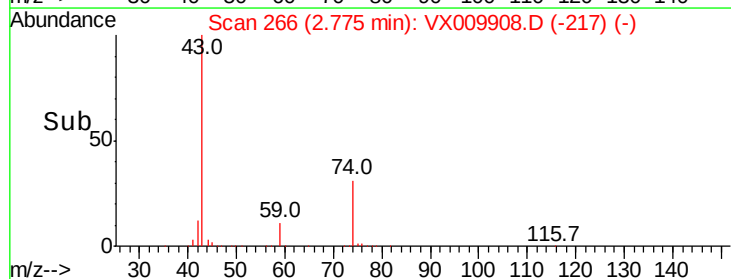
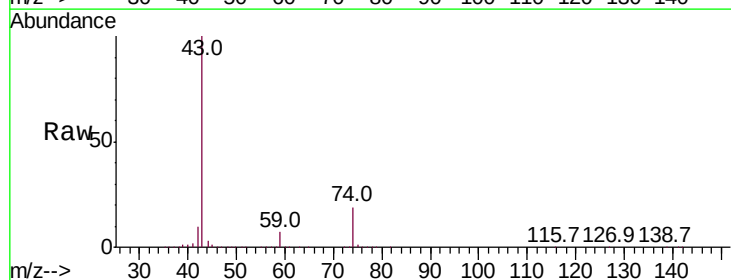
Acq: 28 May 2019 11:54

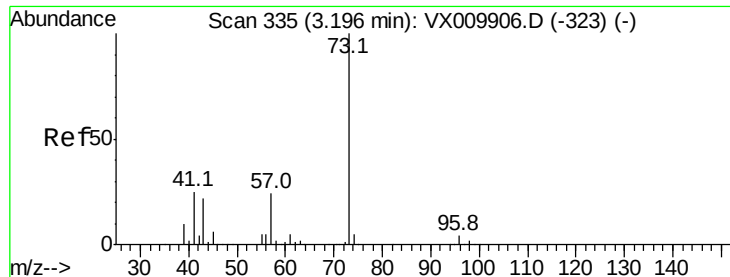
Tgt Ion: 43 Resp: 433571

Ion Ratio Lower Upper

43 100

74 19.5 15.8 23.6





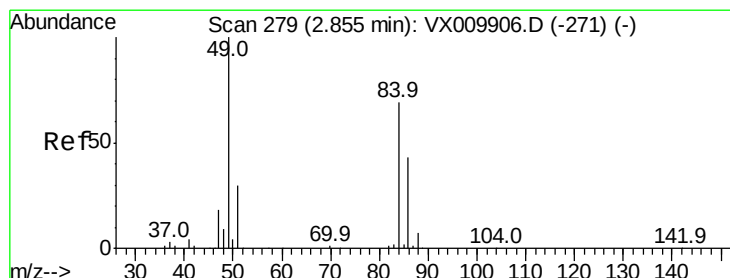
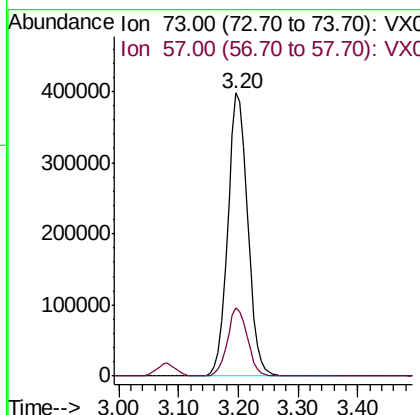
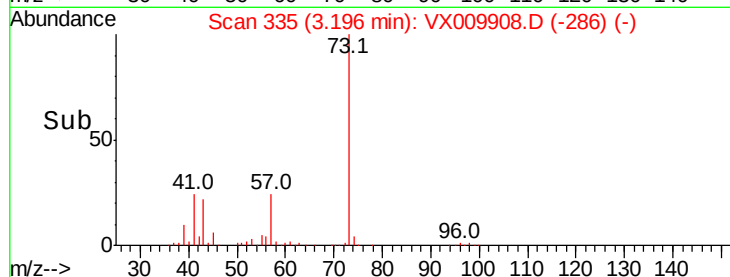
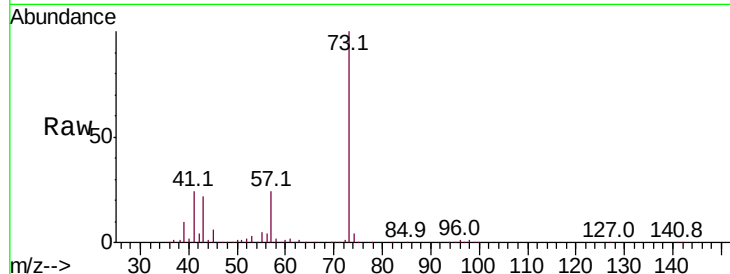
#19
Methyl tert-butyl Ether
Concen: 174.283 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009908.D
Acq: 28 May 2019 11:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.3	19.4	29.2

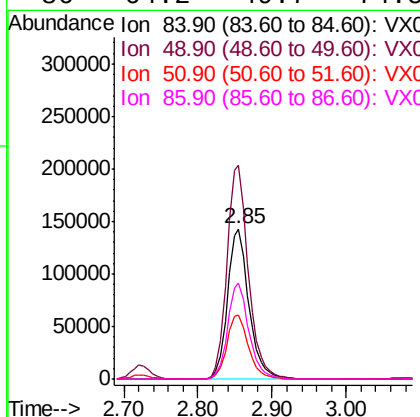
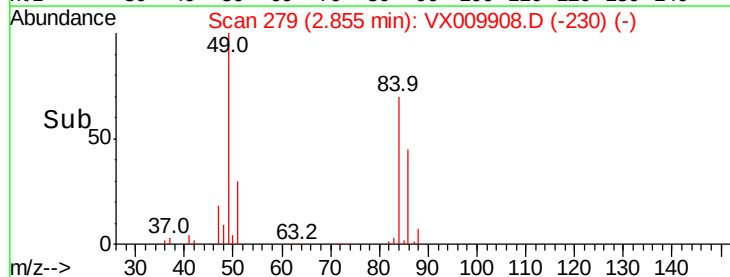
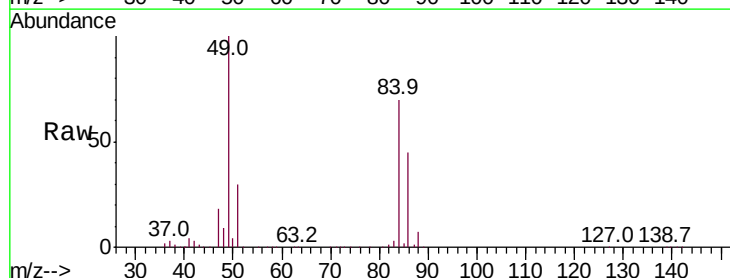
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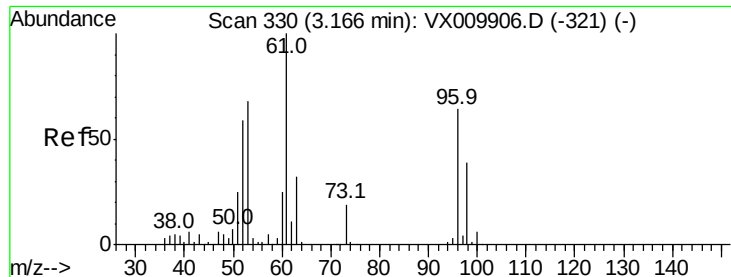
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#20
Methylene Chloride
Concen: 165.849 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009908.D
Acq: 28 May 2019 11:54

Tgt Ion	Ratio	Lower	Upper
84	100		
49	142.2	115.8	173.6
51	42.5	34.4	51.6
86	64.2	49.7	74.5





#21

trans-1,2-Dichloroethene

Concen: 164.069 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX009908.D

Acq: 28 May 2019 11:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 242832

Ion Ratio Lower Upper

96 100

61 158.0 125.7 188.5

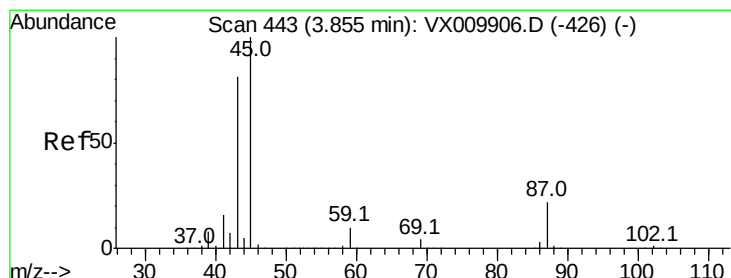
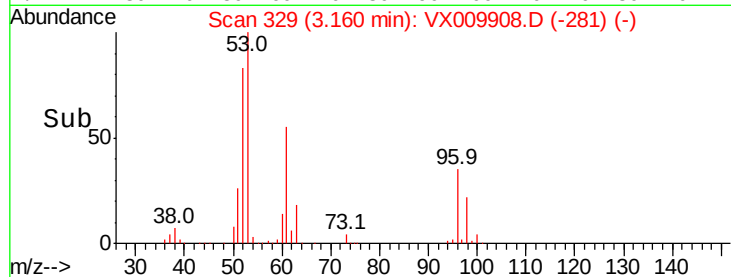
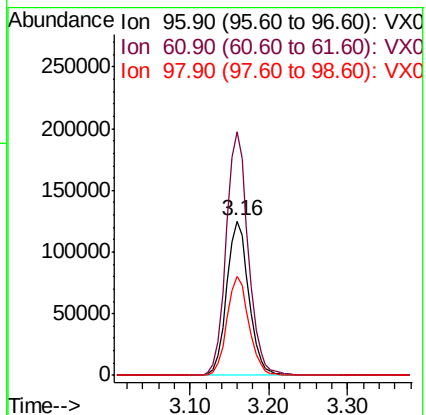
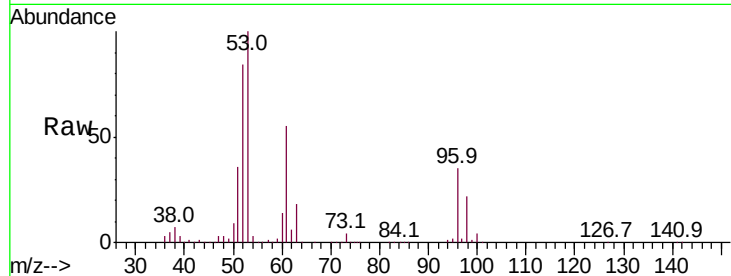
98 64.0 49.0 73.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 173.265 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX009908.D

Acq: 28 May 2019 11:54

Tgt Ion: 45 Resp: 1112283

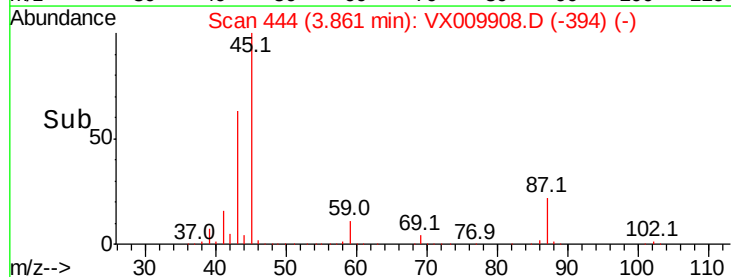
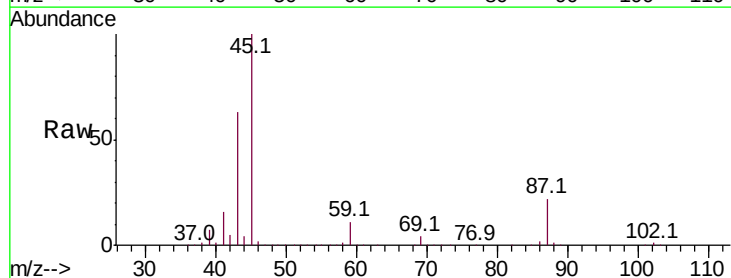
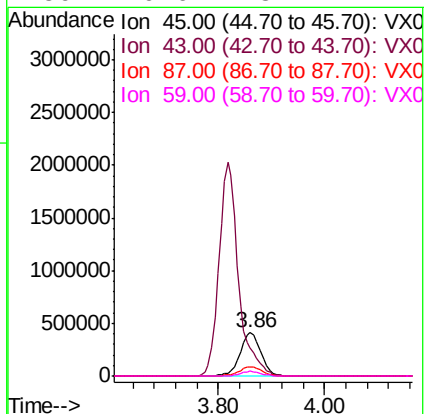
Ion Ratio Lower Upper

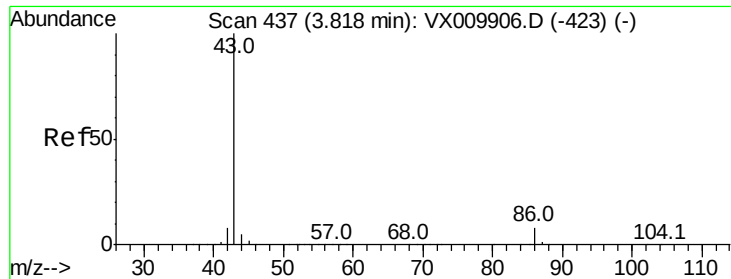
45 100

43 63.4 65.0 97.4#

87 22.0 17.3 25.9

59 10.6 8.1 12.1





#23

Vinyl Acetate

Concen: 939.123 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX009908.D

Acq: 28 May 2019 11:54

Tot Ion: 43 Resp: 5185195

Ion Ratio Lower Upper

43 100

86 8.4 6.5 9.7

Instrument :

MSVOA_X

ClientSampleId :

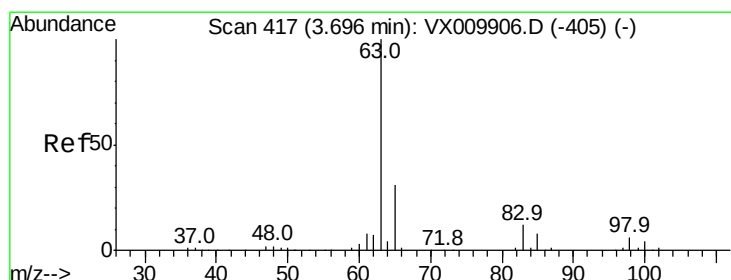
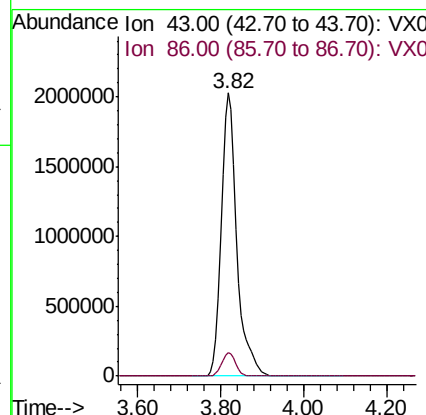
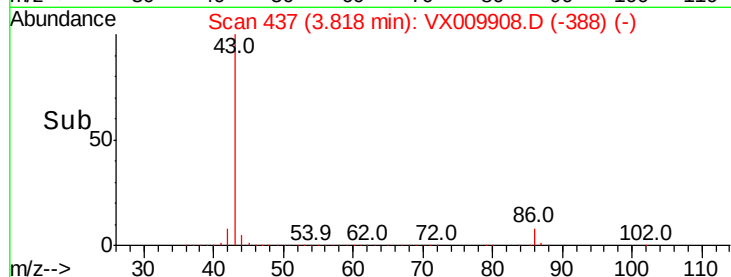
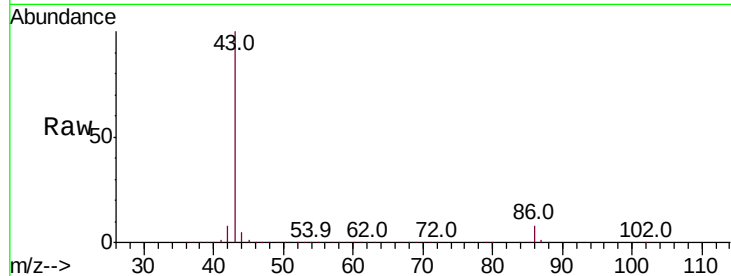
VSTDIC150

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#24

1,1-Dichloroethane

Concen: 164.220 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009908.D

Acq: 28 May 2019 11:54

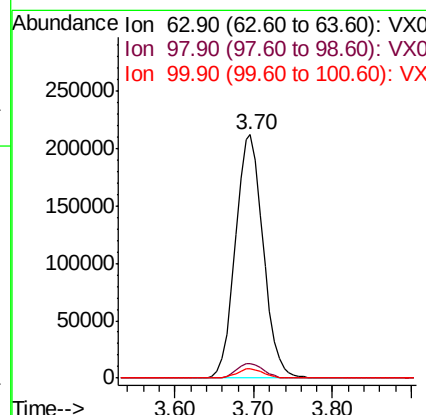
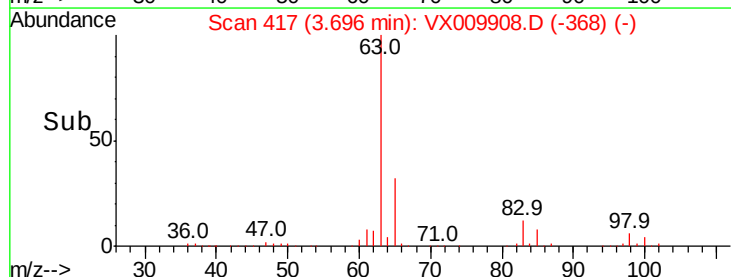
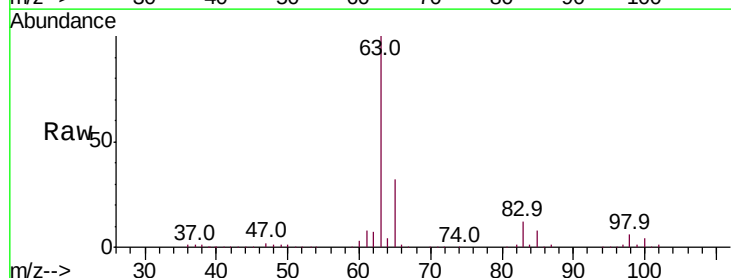
Tgt Ion: 63 Resp: 518768

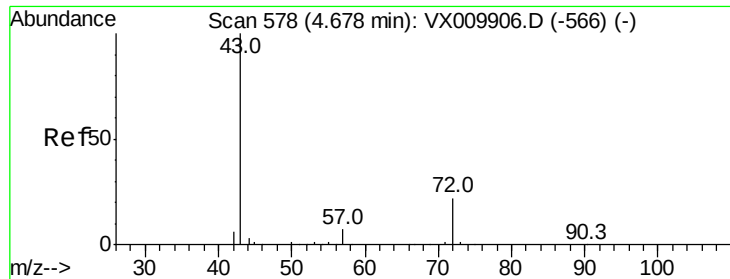
Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.8

100 3.8 1.8 5.4





#25

2-Butanone

Concen: 924.097 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX009908.D

Acq: 28 May 2019 11:54

Tot Ion: 43 Resp: 1543862

Ion Ratio Lower Upper

43 100

72 21.6 17.5 26.3

Instrument :

MSVOA_X

ClientSampleId :

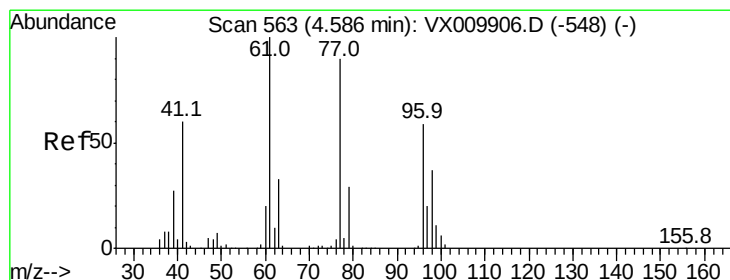
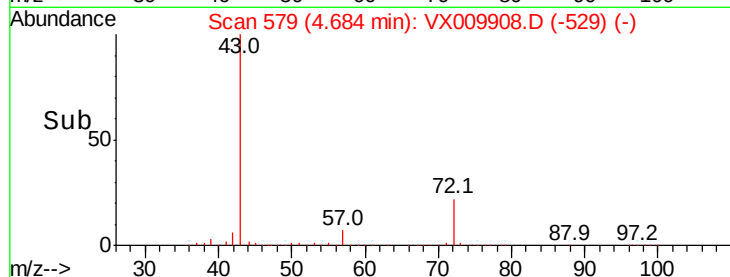
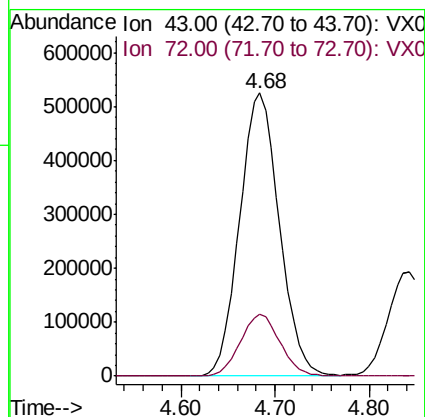
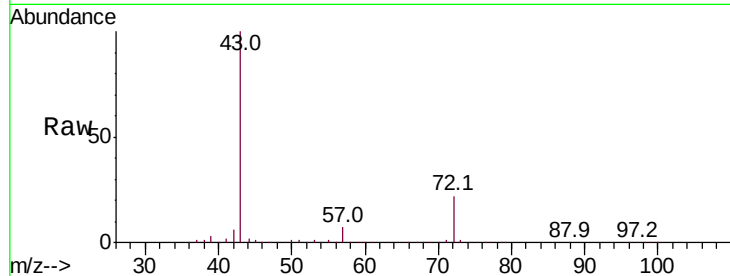
VSTDIC150

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 163.855 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX009908.D

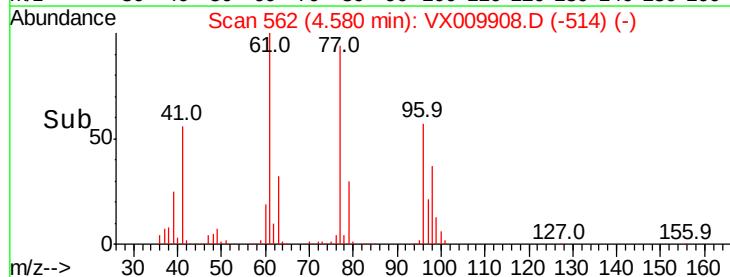
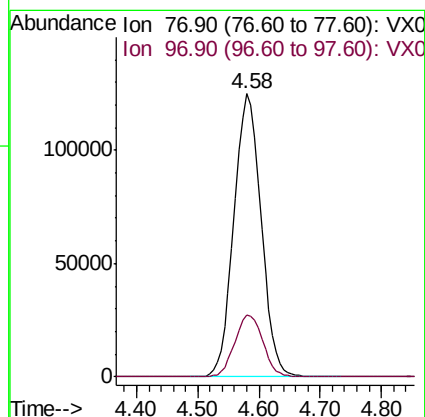
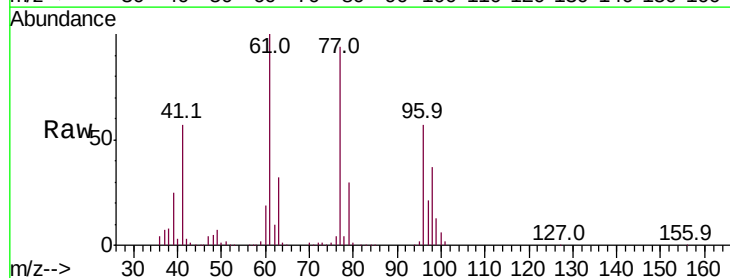
Acq: 28 May 2019 11:54

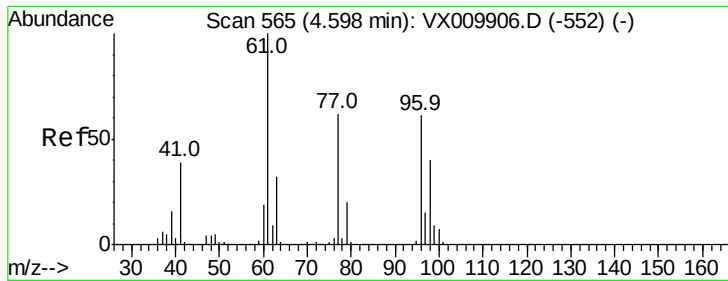
Tgt Ion: 77 Resp: 385666

Ion Ratio Lower Upper

77 100

97 22.6 11.4 34.2





#27

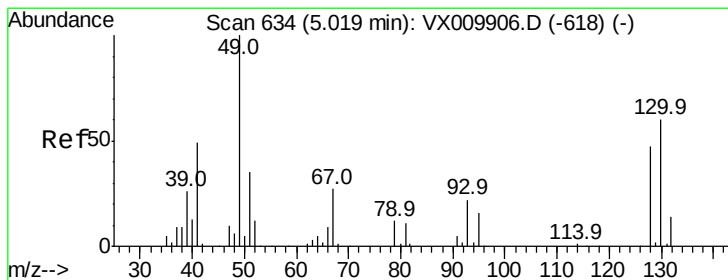
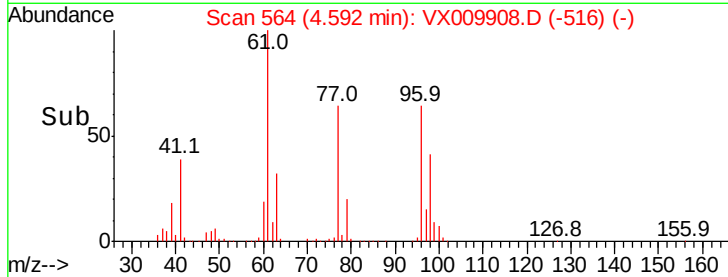
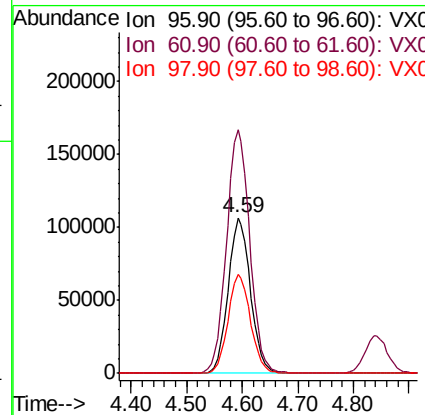
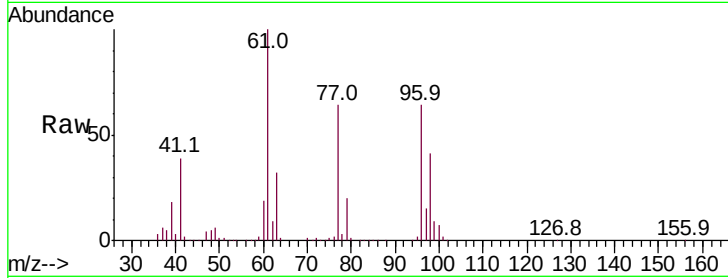
cis-1,2-Dichloroethene
Concen: 167.178 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX009908.D
Acq: 28 May 2019 11:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	294407		
61	163.8	0.0	334.0	
98	64.3	0.0	131.6	

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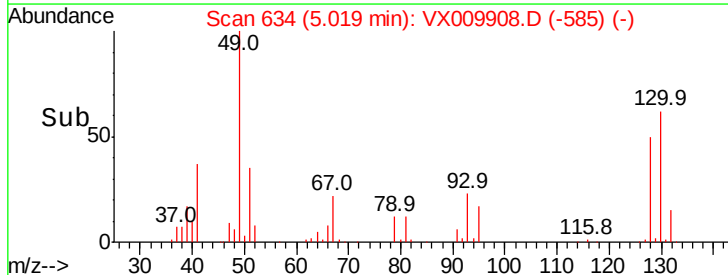
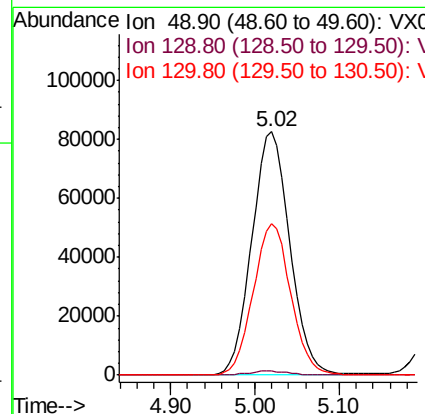
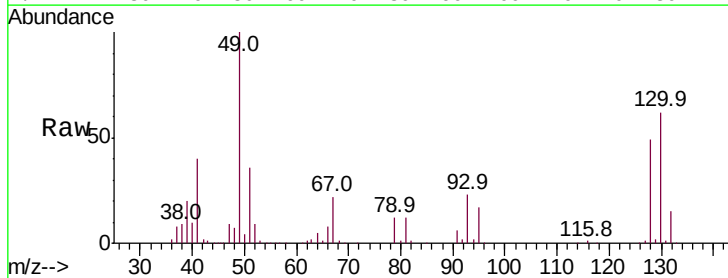
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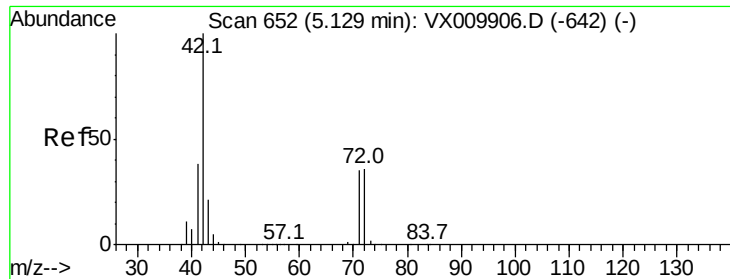


#28

Bromochloromethane
Concen: 178.119 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX009908.D
Acq: 28 May 2019 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	254958		
129	1.7	0.0	3.4	
130	61.7	49.4	74.2	





#29

Tetrahydrofuran

Concen: 923.160 ug/l

RT: 5.13 min Scan# 653

Delta R.T. 0.01 min

Lab File: VX009908.D

Acq: 28 May 2019 11:54

Instrument :

MSVOA_X

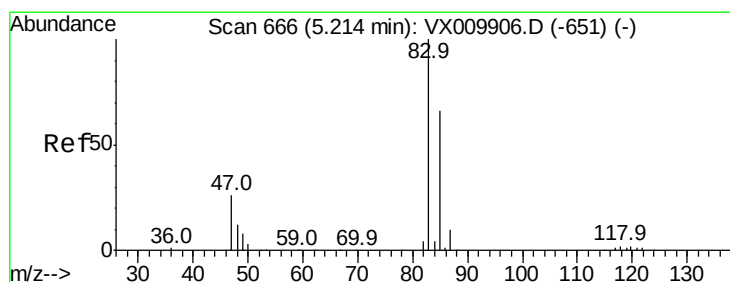
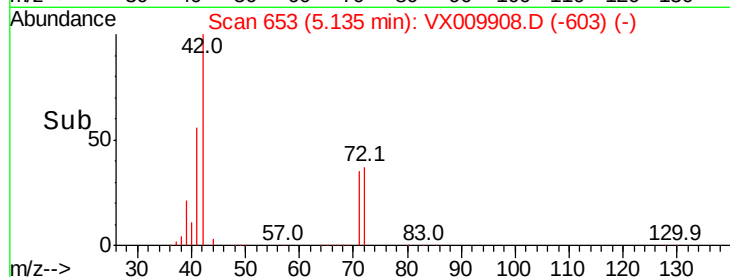
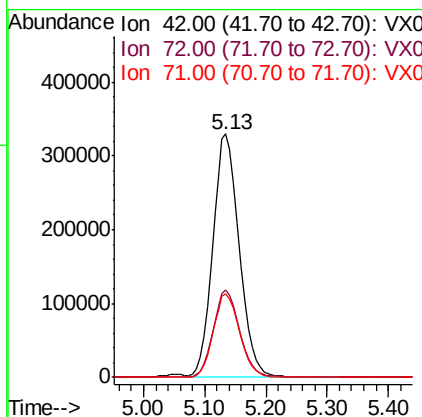
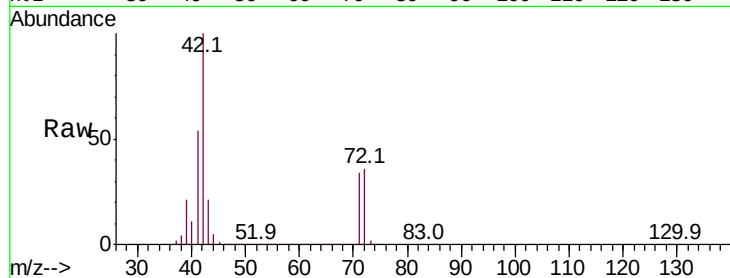
ClientSampleId :

VSTDIC150

Tot Ion:	42	Resp:	990240
Ion Ratio	Lower	Upper	
42	100		
72	36.3	29.2	43.8
71	34.3	27.6	41.4

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#30

Chloroform

Concen: 165.872 ug/l

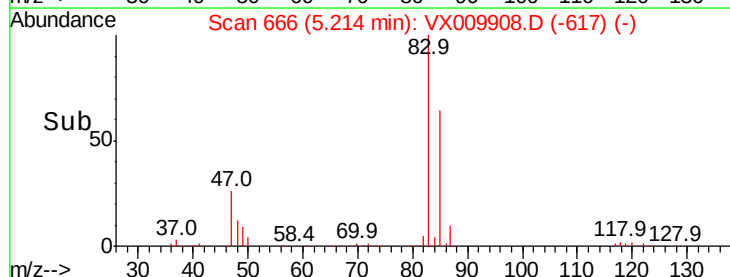
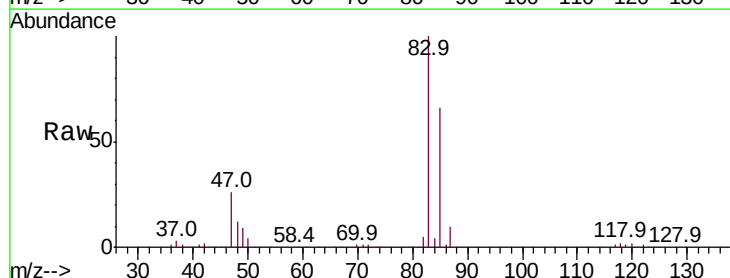
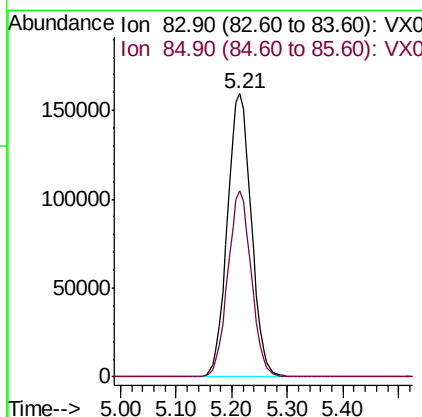
RT: 5.21 min Scan# 666

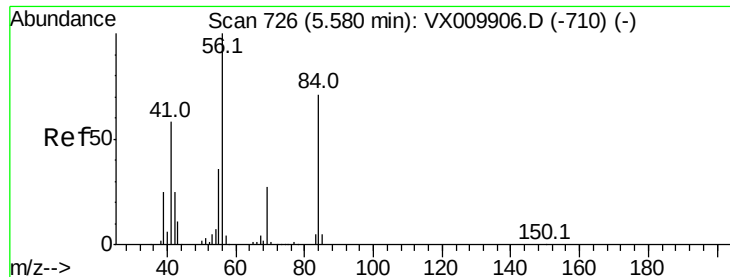
Delta R.T. -0.00 min

Lab File: VX009908.D

Acq: 28 May 2019 11:54

Tgt Ion:	83	Resp:	472866
Ion Ratio	Lower	Upper	
83	100		
85	65.8	52.6	78.8





#31

Cyclohexane

Concen: 144.596 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX009908.D

Acq: 28 May 2019 11:54

Instrument :

MSVOA_X

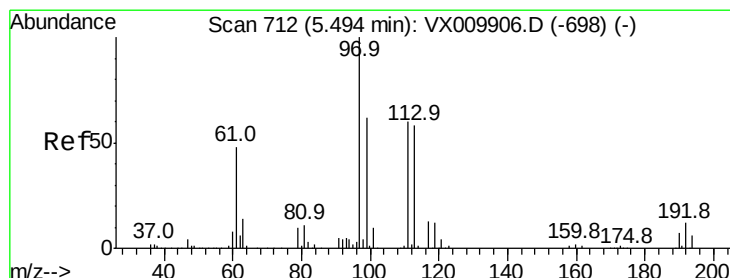
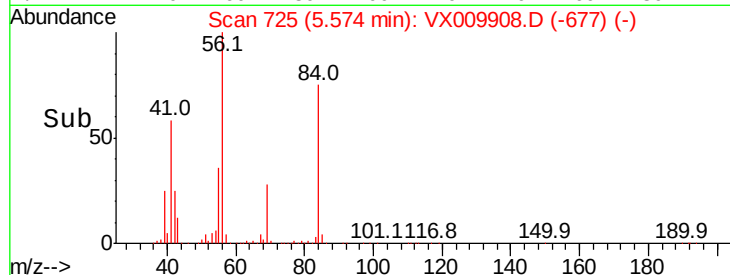
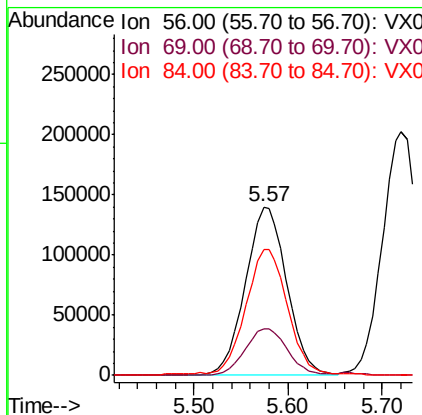
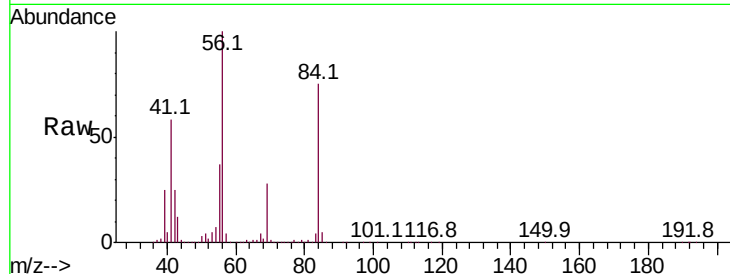
ClientSampleId :

VSTDIC150

Tot Ion:	56	Resp:	430186
Ion	Ratio	Lower	Upper
56	100		
69	27.8	21.6	32.4
84	73.5	56.8	85.2

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#32

1,1,1-Trichloroethane

Concen: 156.617 ug/l

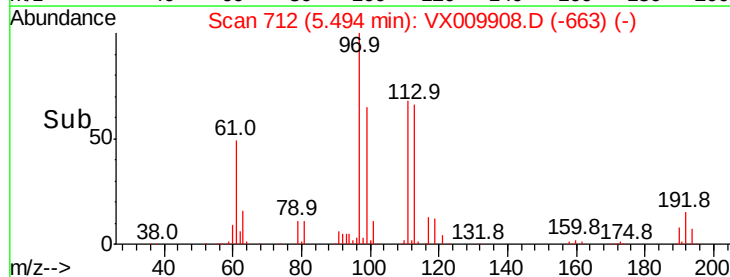
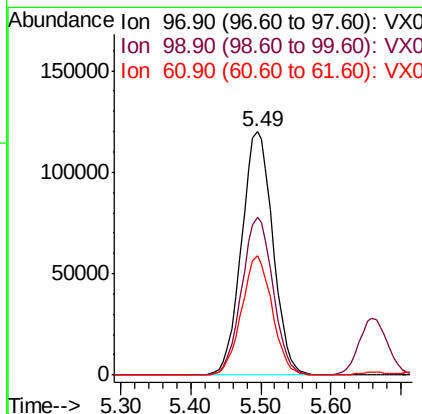
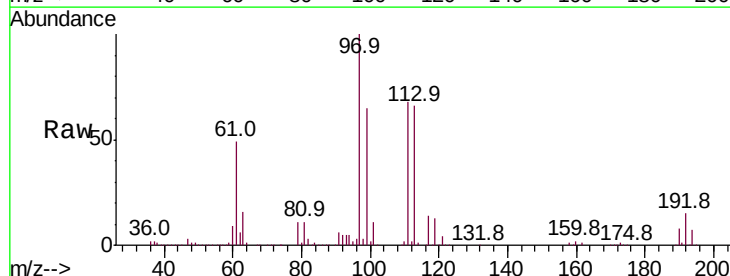
RT: 5.49 min Scan# 712

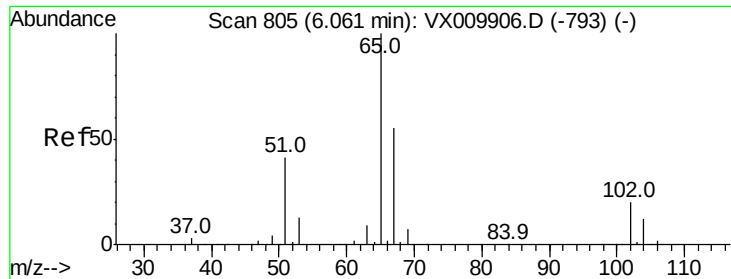
Delta R.T. -0.00 min

Lab File: VX009908.D

Acq: 28 May 2019 11:54

Tgt Ion:	97	Resp:	372563
Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.0	76.4
61	47.9	38.7	58.1





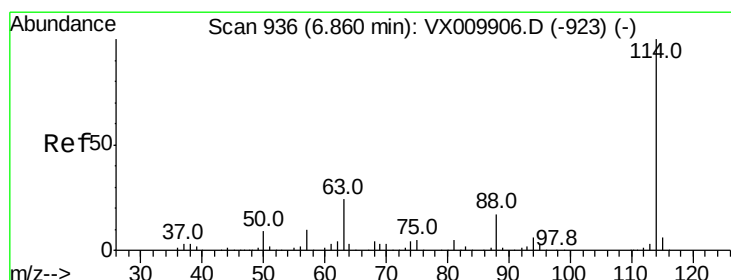
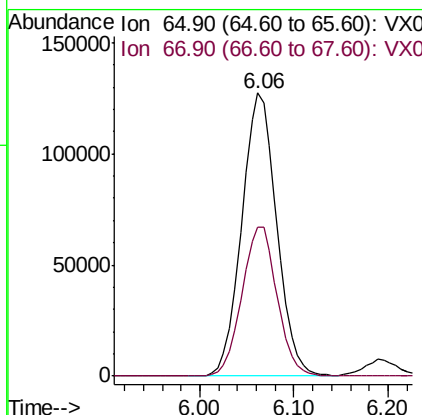
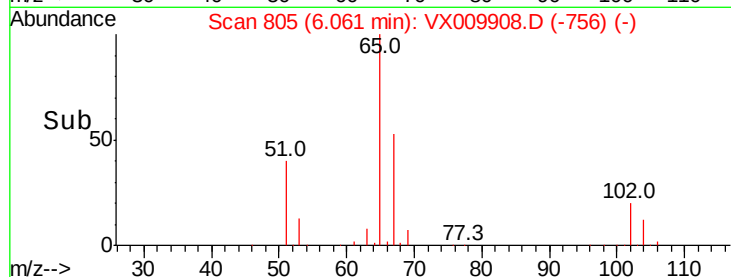
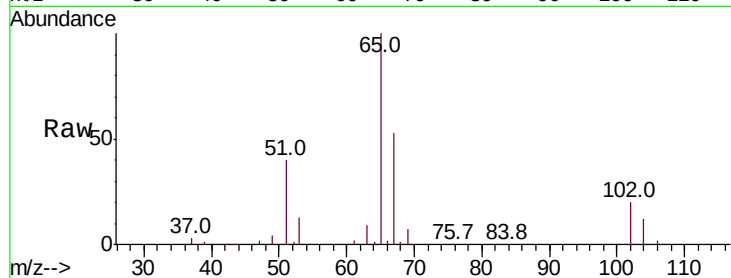
#33
 1,2-Dichloroethane-d4
 Concen: 169.214 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009908.D
 Acq: 28 May 2019 11:54

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	108.4

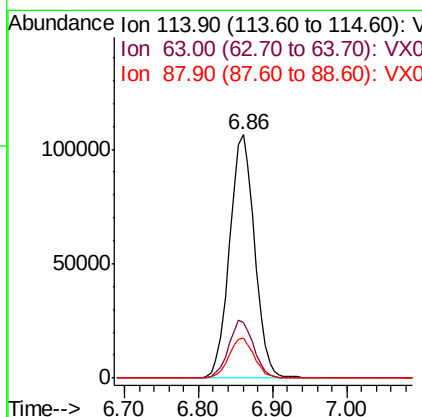
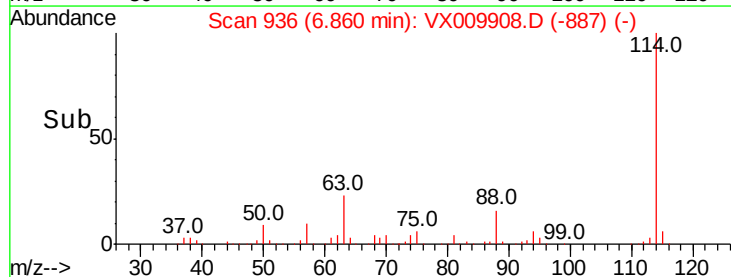
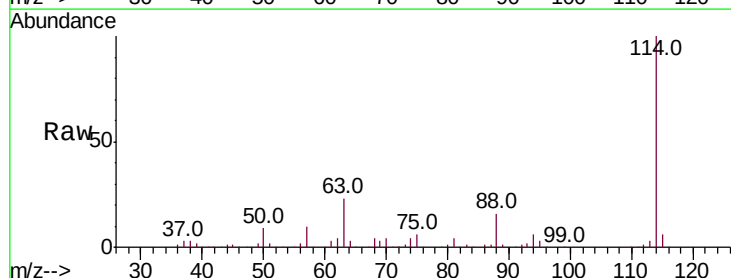
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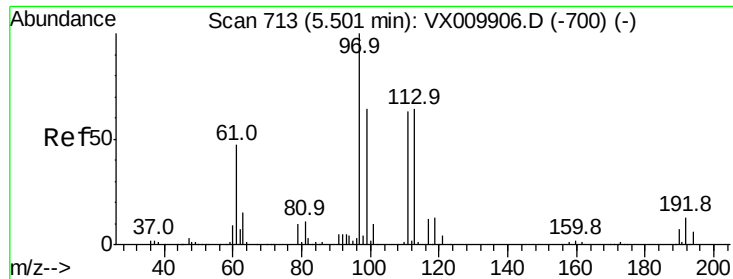
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009908.D
 Acq: 28 May 2019 11:54

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	47.4
88	16.5	0.0	33.0





#35

Dibromofluoromethane

Concen: 150.159 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX009908.D

Acq: 28 May 2019 11:54

Instrument :

MSVOA_X

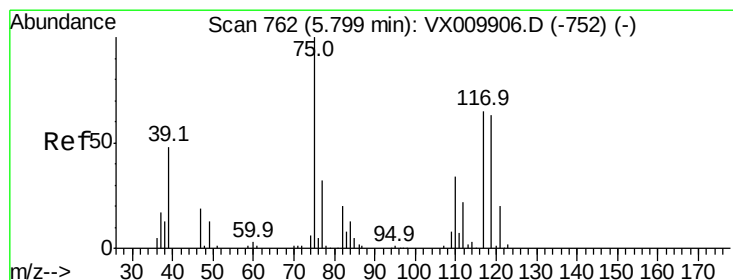
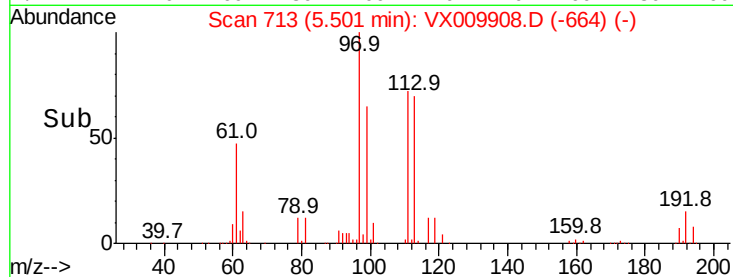
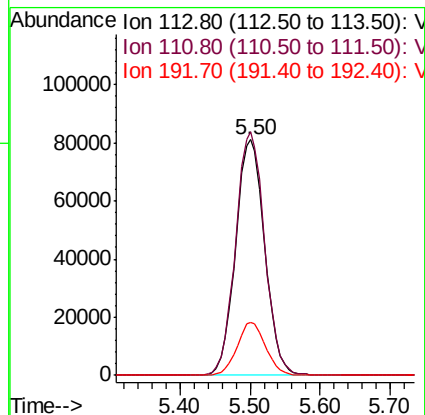
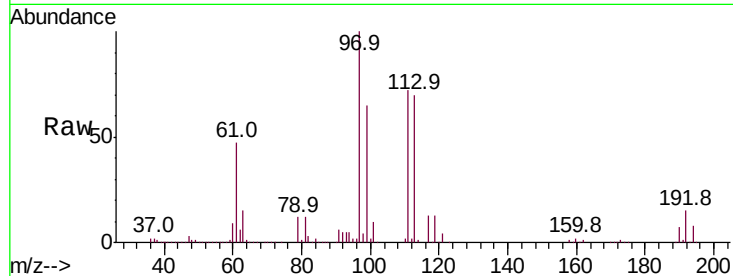
ClientSampleId :

VSTDIC150

Tot Ion:	113	Resp:	234511
Ion Ratio	Lower	Upper	
113	100		
111	102.9	82.2	123.2
192	21.9	17.1	25.7

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#36

1,1-Dichloropropene

Concen: 145.378 ug/l

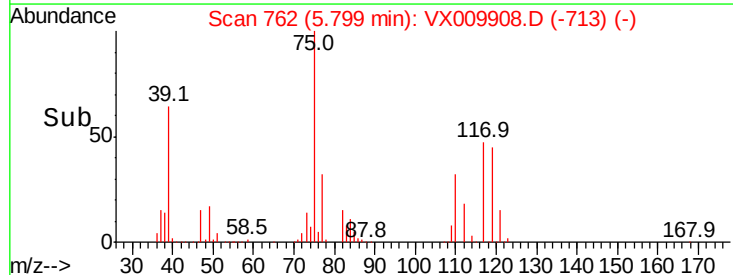
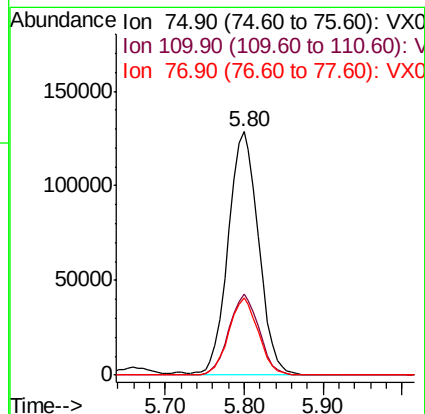
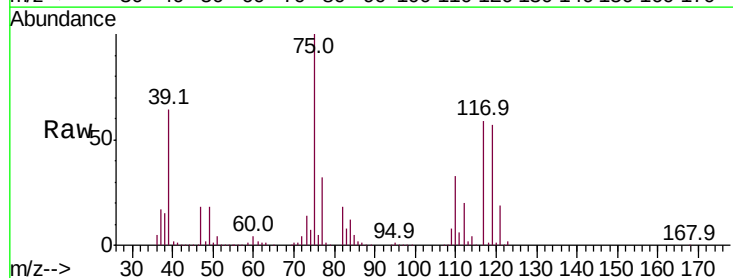
RT: 5.80 min Scan# 762

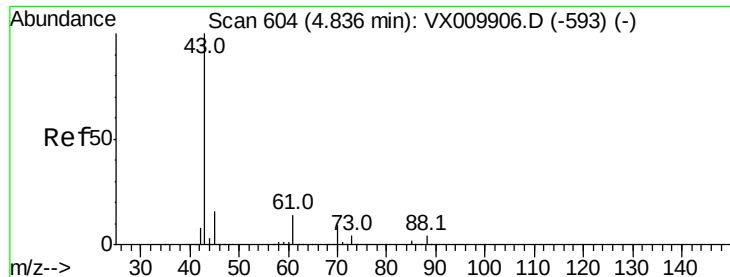
Delta R.T. -0.00 min

Lab File: VX009908.D

Acq: 28 May 2019 11:54

Tgt Ion:	75	Resp:	342803
Ion Ratio	Lower	Upper	
75	100		
110	33.1	16.7	50.1
77	31.0	25.0	37.4





#37

Ethyl Acetate

Concen: 172.695 ug/l

RT: 4.84 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX009908.D

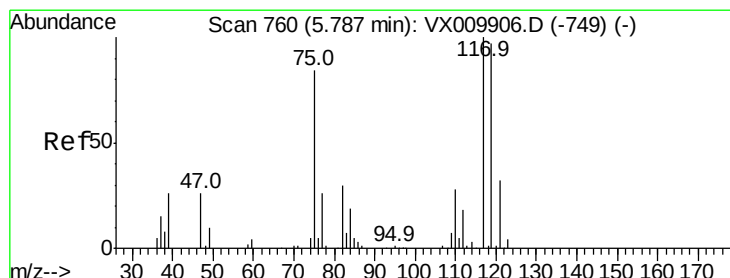
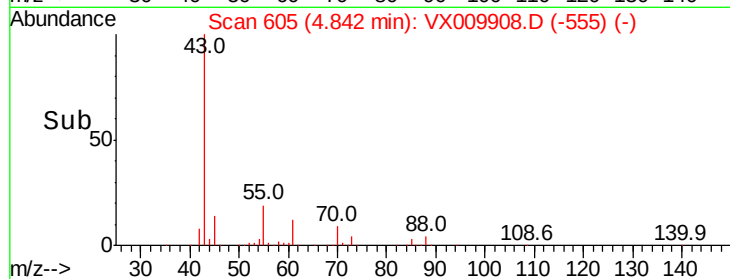
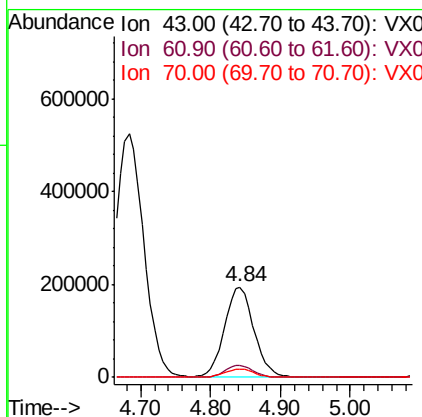
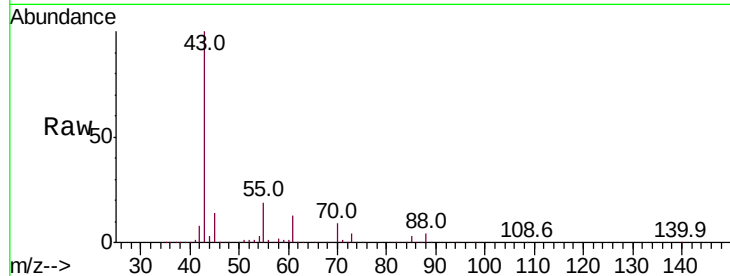
Acq: 28 May 2019 11:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.2	15.2
70	9.2	7.4	11.2

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#38

Carbon Tetrachloride

Concen: 142.992 ug/l

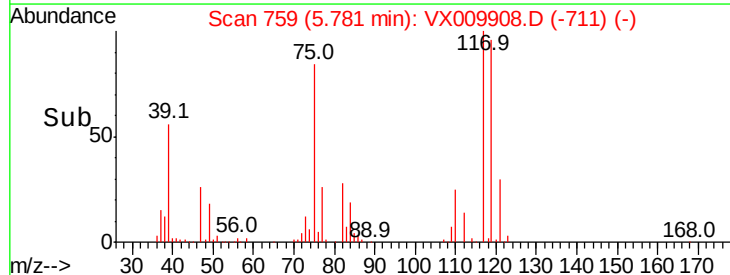
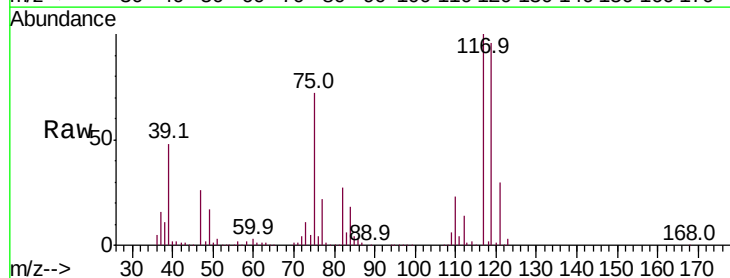
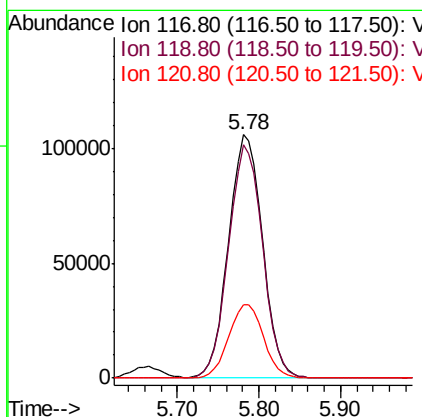
RT: 5.78 min Scan# 759

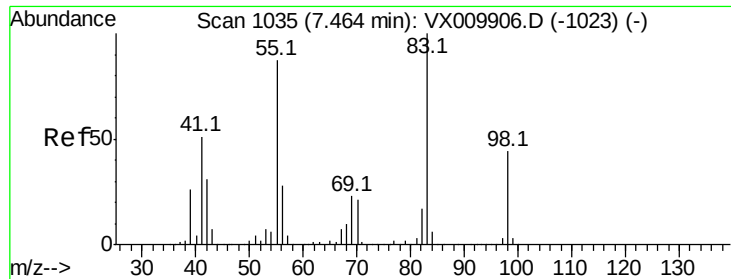
Delta R.T. -0.01 min

Lab File: VX009908.D

Acq: 28 May 2019 11:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	77.3	115.9
121	30.2	25.4	38.0





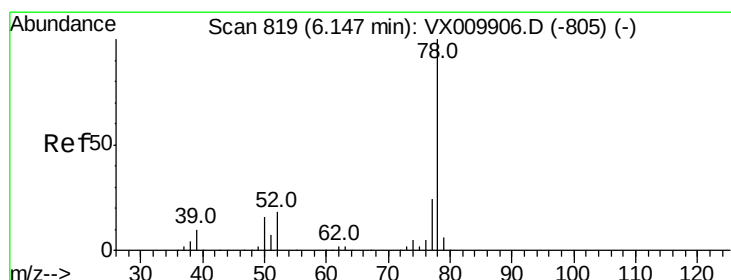
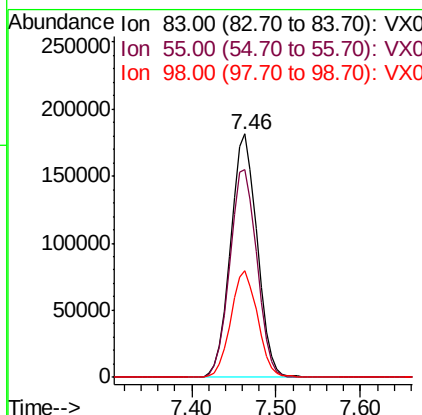
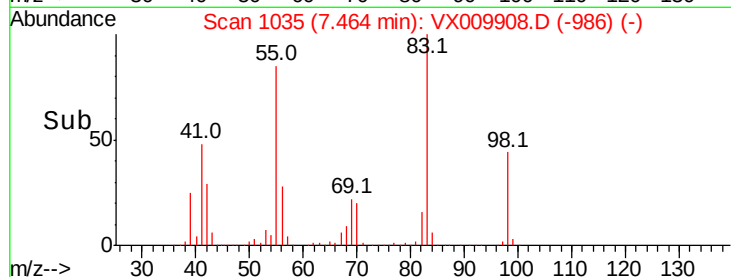
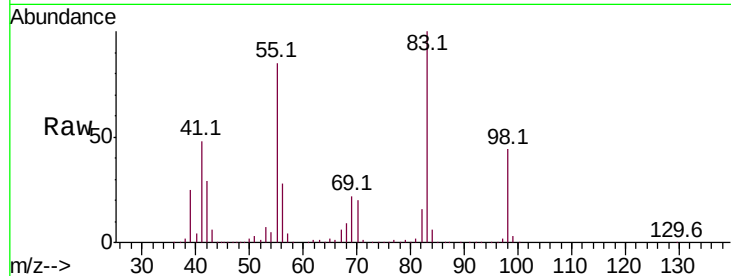
#39
Methylvlcyclohexane
Concen: 133.202 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009908.D
Acq: 28 May 2019 11:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.2	69.9	104.9
98	43.6	35.1	52.7

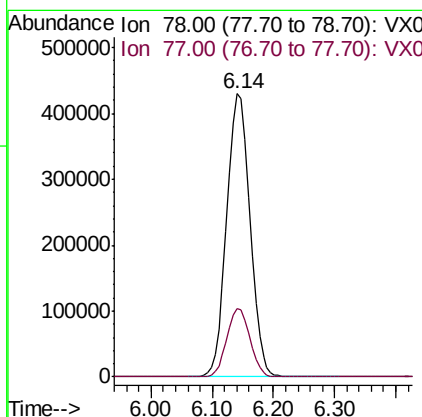
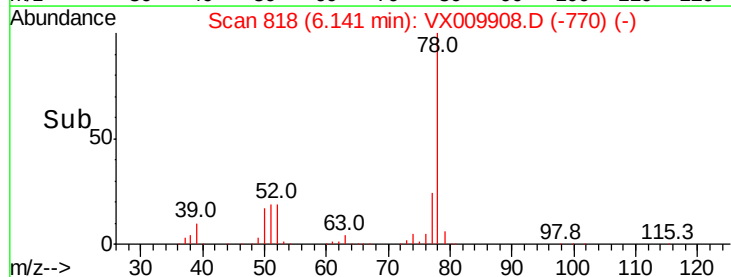
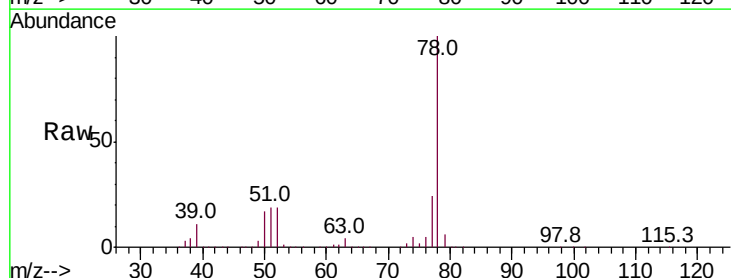
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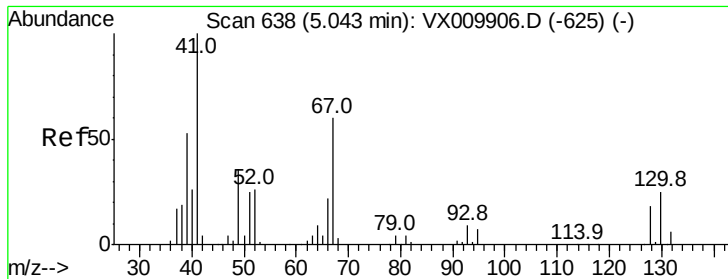
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#40
Benzene
Concen: 155.039 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX009908.D
Acq: 28 May 2019 11:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.2	28.8





#41

Methacrylonitrile

Concen: 167.702 ug/l

RT: 5.05 min Scan# 639

Delta R.T. 0.01 min

Lab File: VX009908.D

Acq: 28 May 2019 11:54

Instrument :

MSVOA_X

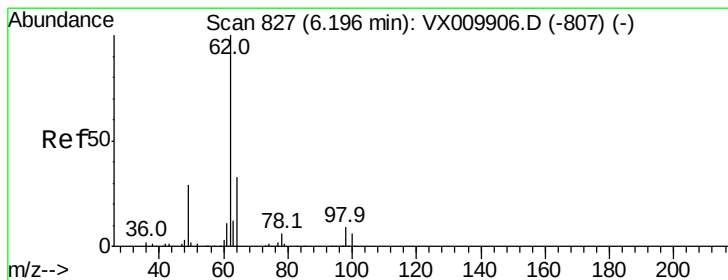
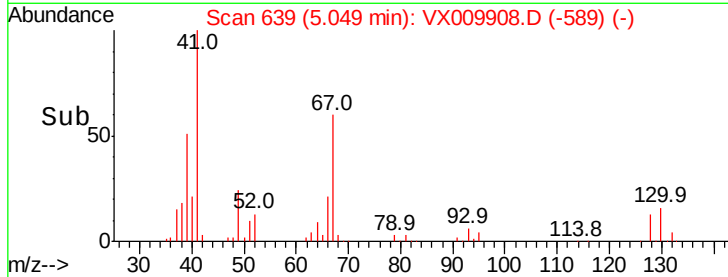
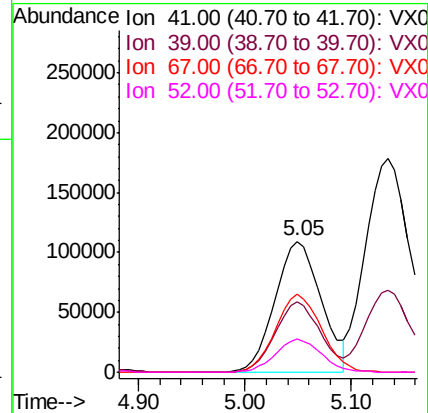
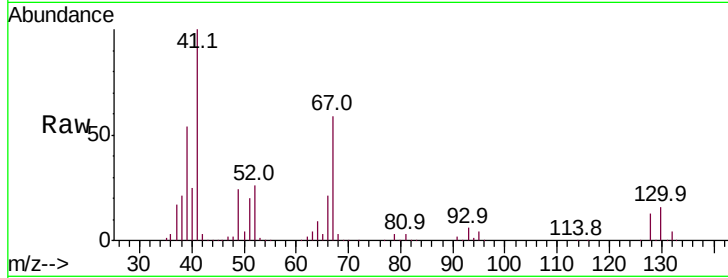
ClientSampled :

VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.6	42.2	63.4	
67	59.5	48.9	73.3	
52	25.4	20.1	30.1	

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#42

1,2-Dichloroethane

Concen: 160.635 ug/l

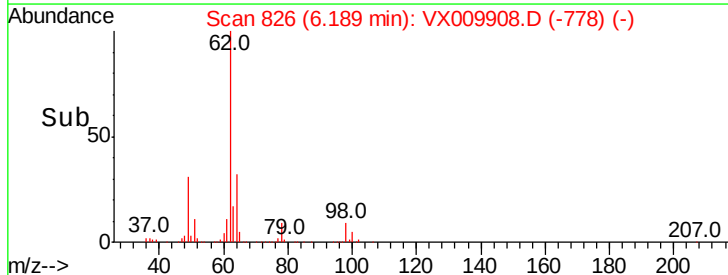
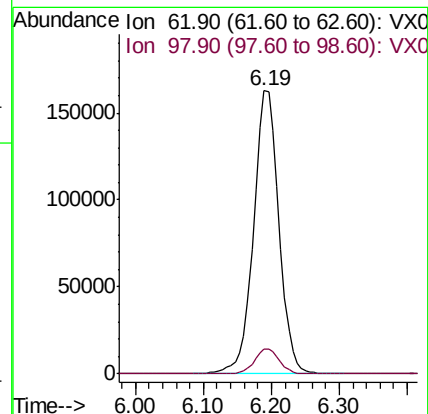
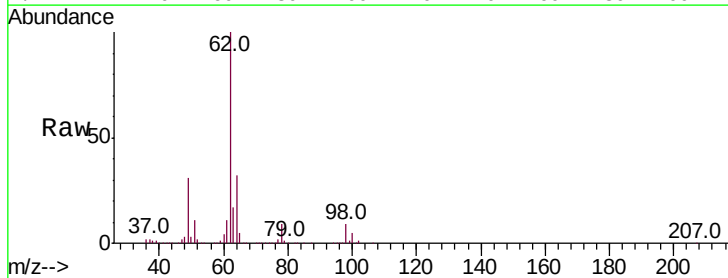
RT: 6.19 min Scan# 826

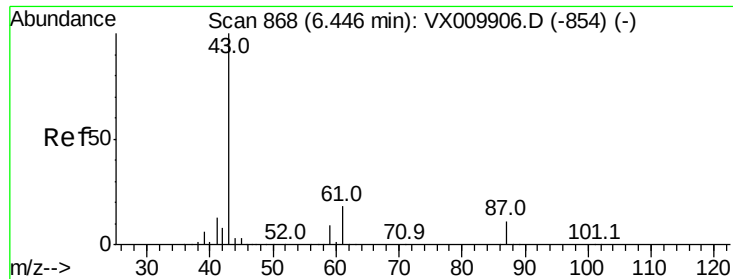
Delta R.T. -0.01 min

Lab File: VX009908.D

Acq: 28 May 2019 11:54

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	0.0	17.2	





#43

Isopropyl Acetate

Concen: 177.263 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX009908.D

Acq: 28 May 2019 11:54

Instrument :

MSVOA_X

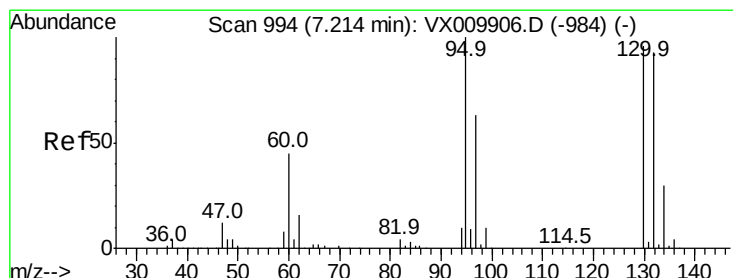
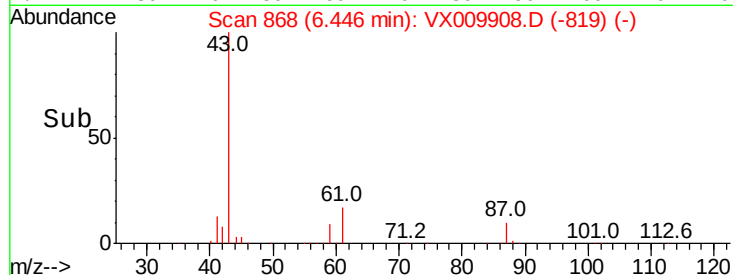
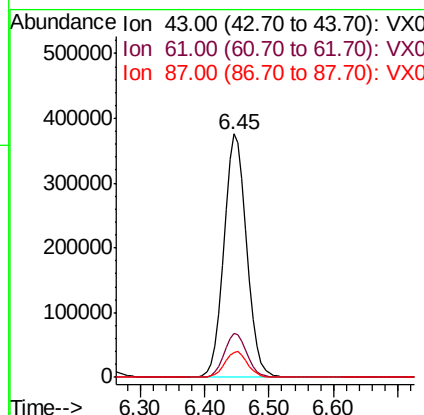
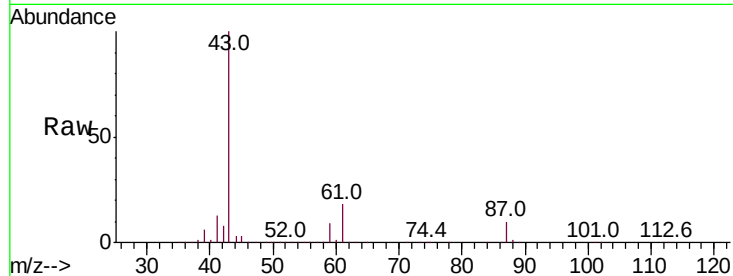
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	934409
Ion	Ratio	Lower	Upper
43	100		
61	18.2	14.6	21.8
87	10.6	8.7	13.1

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#44

Trichloroethene

Concen: 148.474 ug/l

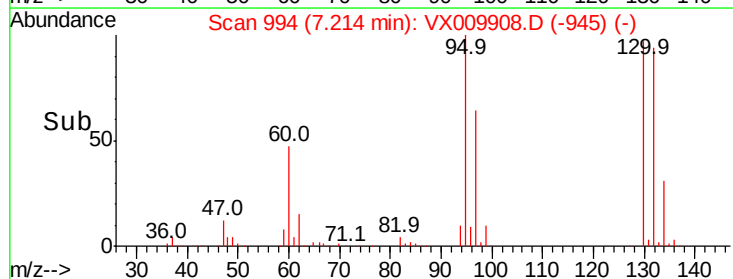
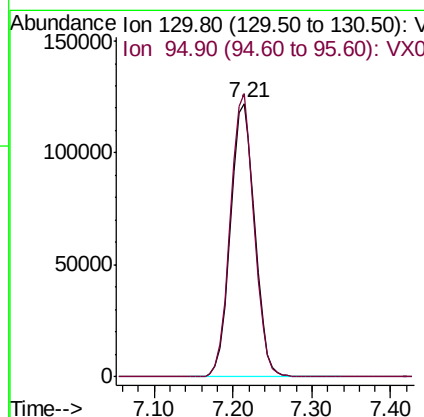
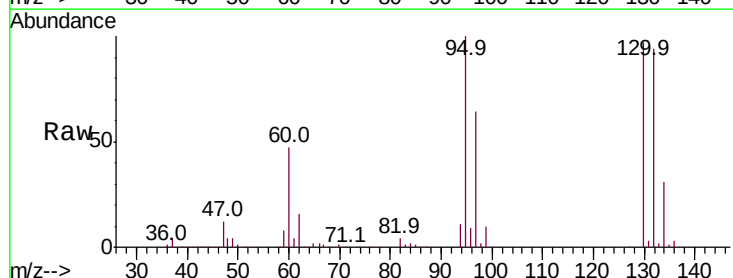
RT: 7.21 min Scan# 994

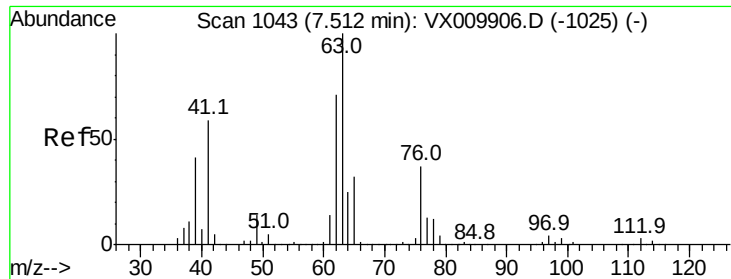
Delta R.T. -0.00 min

Lab File: VX009908.D

Acq: 28 May 2019 11:54

Tgt Ion:	130	Resp:	260918
Ion	Ratio	Lower	Upper
130	100		
95	103.6	0.0	207.4





#45

1,2-Dichloropropane

Concen: 160.838 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009908.D

Acq: 28 May 2019 11:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 331460

Ion Ratio Lower Upper

63 100

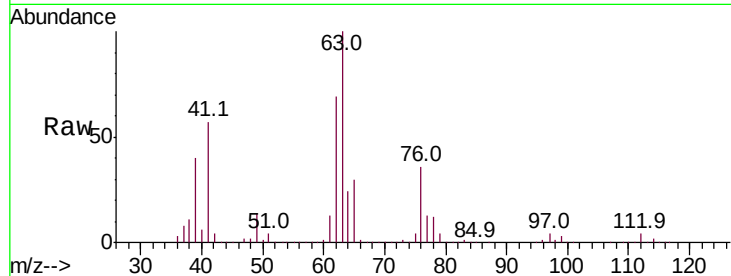
65 29.9 25.7 38.5

Manual Integrations

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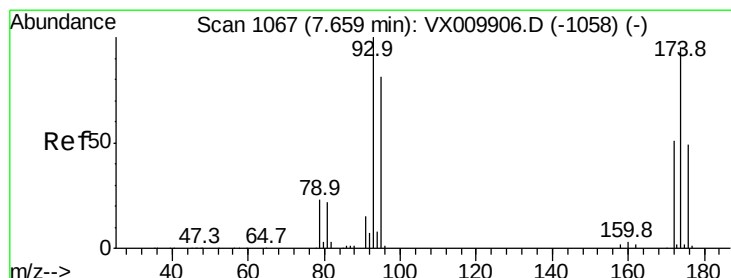
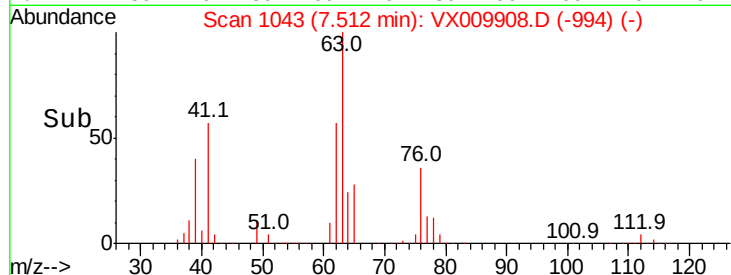
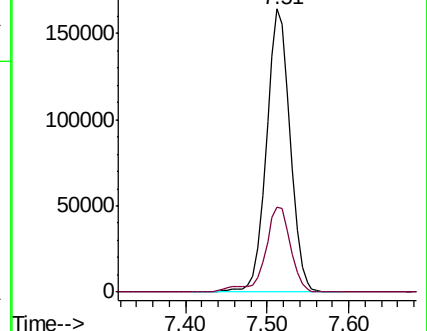
MMDadoda

5/29/2019 9:24:58 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 160.843 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009908.D

Acq: 28 May 2019 11:54

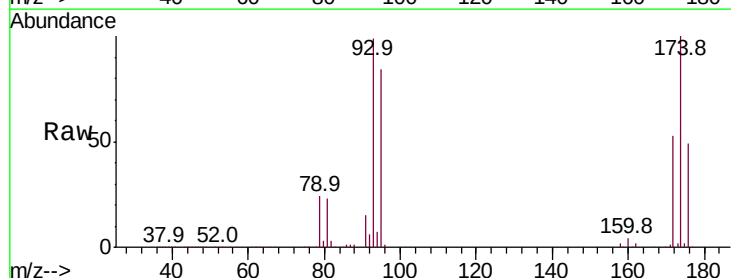
Tgt Ion: 93 Resp: 192387

Ion Ratio Lower Upper

93 100

95 84.0 66.8 100.2

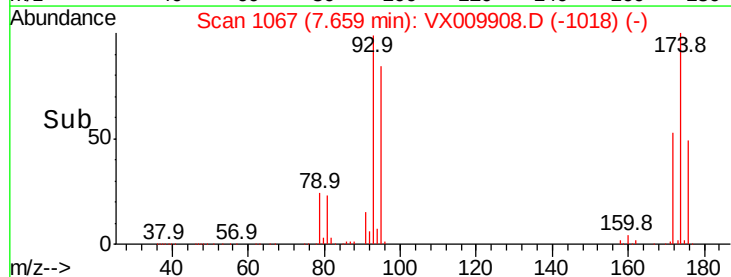
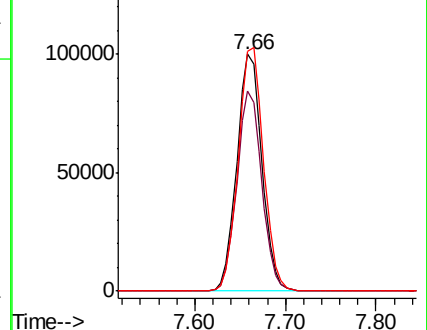
174 103.3 81.9 122.9

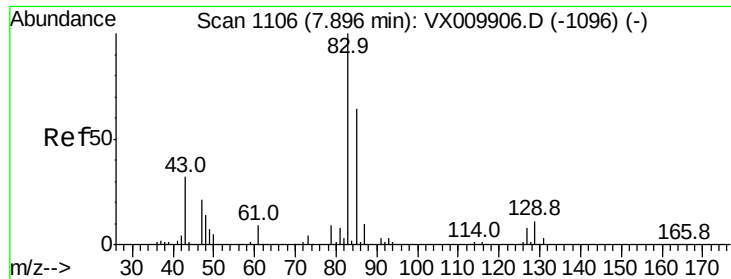


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





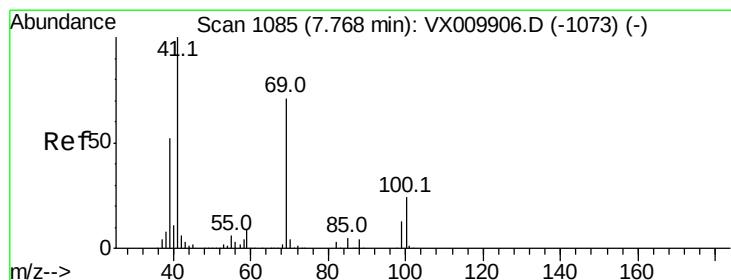
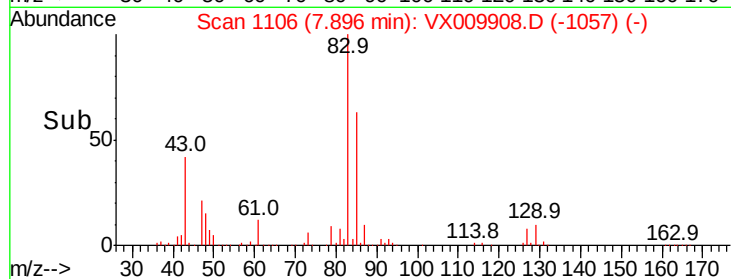
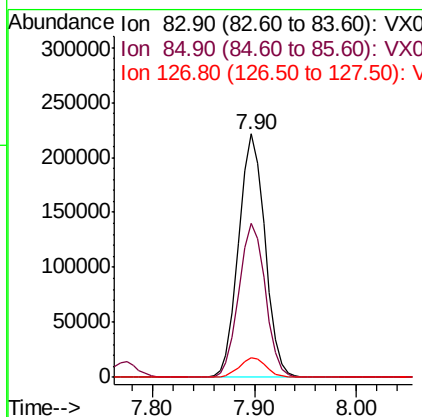
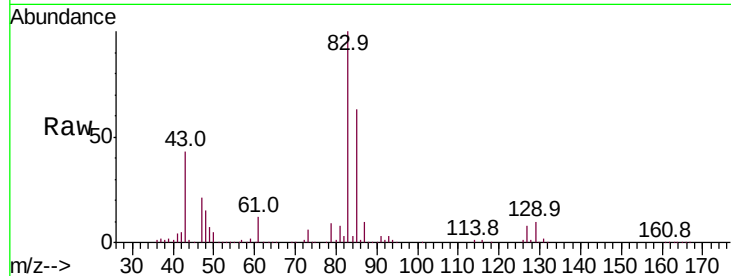
#47
 Bromodichloromethane
 Concen: 166.535 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. -0.00 min
 Lab File: VX009908.D
 Acq: 28 May 2019 11:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.1	51.4	77.2	
127	8.1	6.4	9.6	

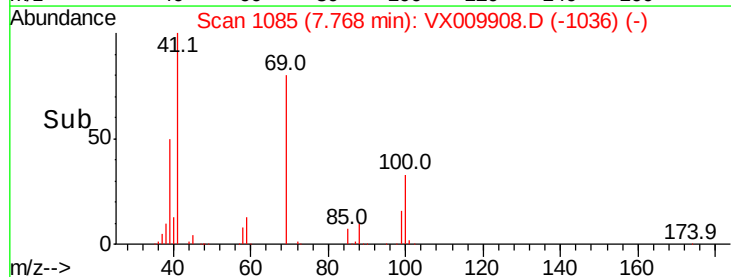
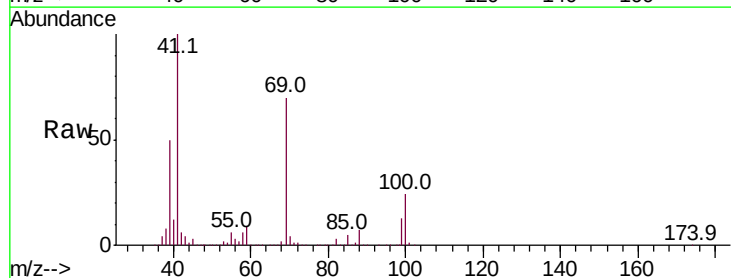
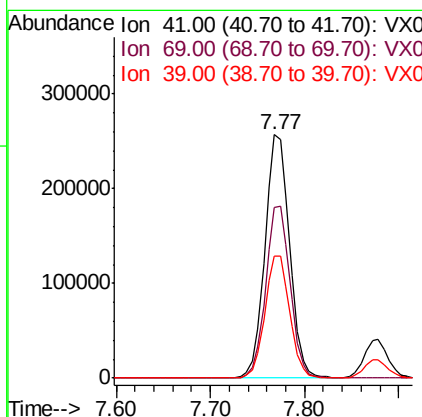
Manual Integrations
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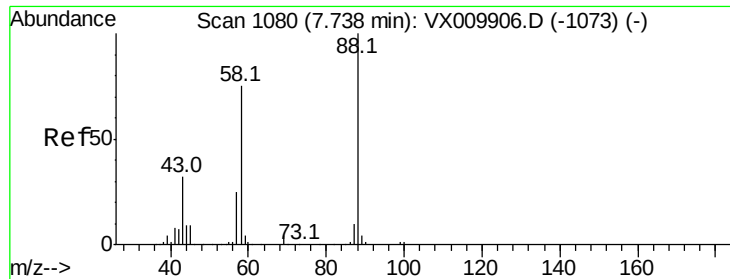
MMDadoda
 5/29/2019 9:24:58 AM



#48
 Methyl methacrylate
 Concen: 179.829 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VX009908.D
 Acq: 28 May 2019 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	70.4	56.4	84.6	
39	50.3	40.6	60.8	





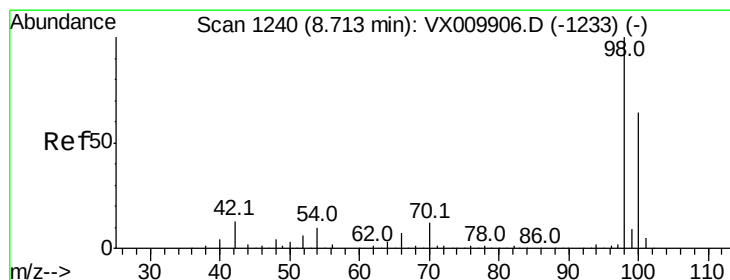
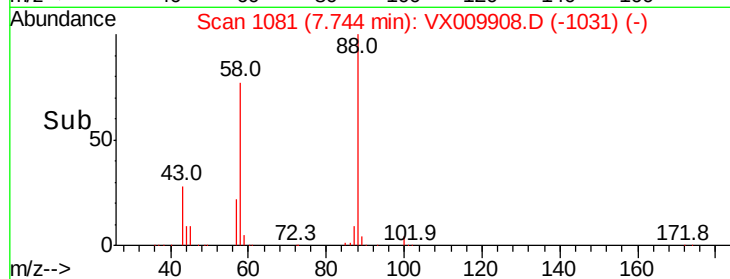
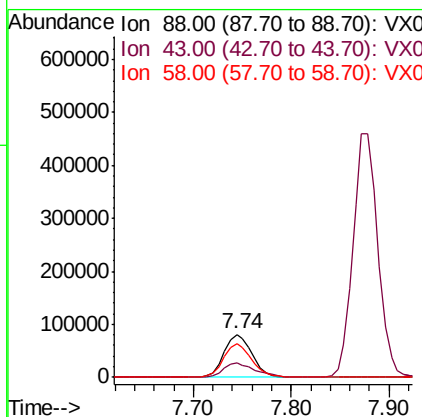
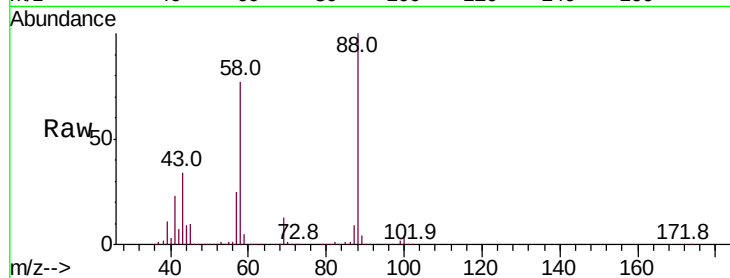
#49
1,4-Dioxane
Concen: 3017.735 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX009908.D
Acq: 28 May 2019 11:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.0	30.2	45.4
58	79.7	64.0	96.0

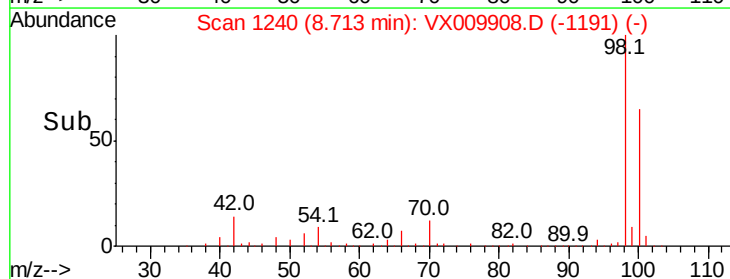
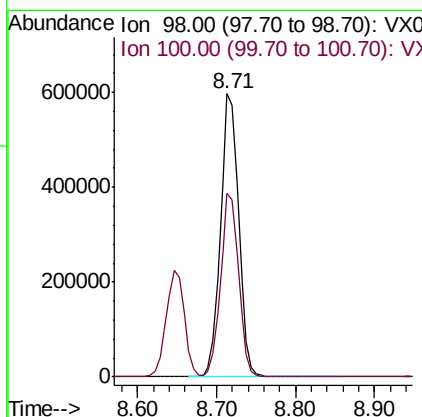
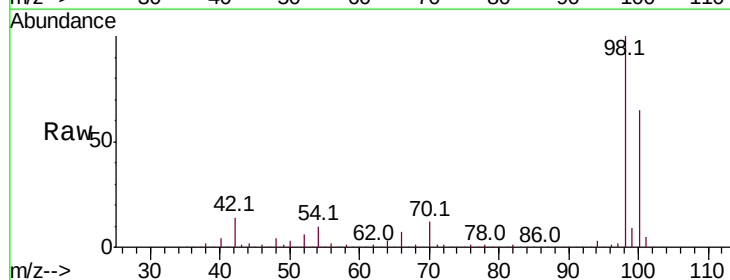
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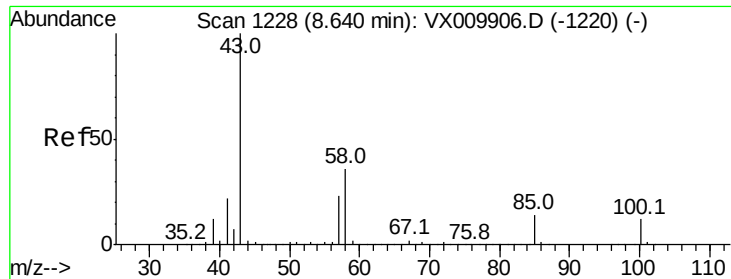
MMDadoda
5/29/2019 9:24:58 AM



#50
Toluene-d8
Concen: 151.071 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009908.D
Acq: 28 May 2019 11:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 837.953 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VX009908.D

Acq: 28 May 2019 11:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2894498

Ion Ratio Lower Upper

43 100

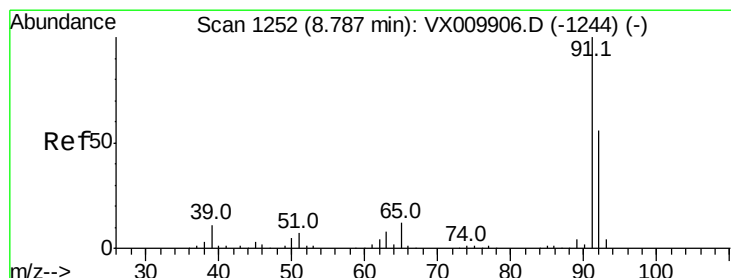
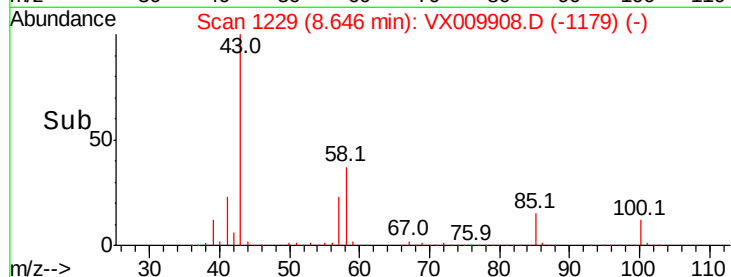
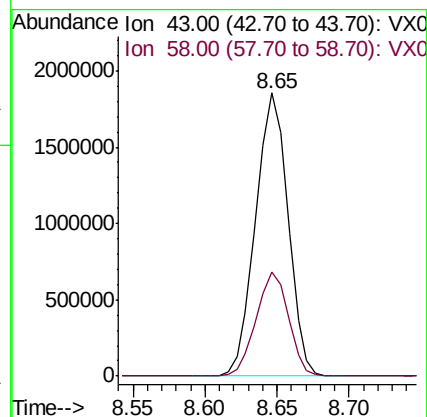
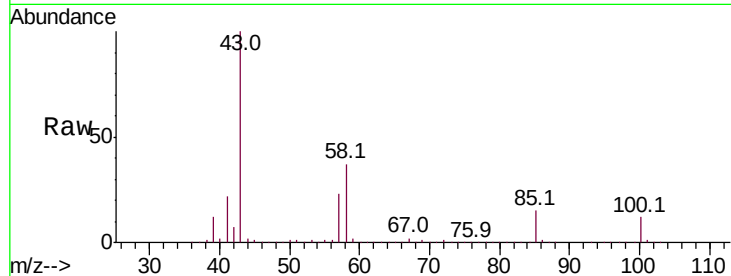
58 36.4 28.8 43.2

Manual Integrations

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MMDadoda

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#52

Toluene

Concen: 156.407 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009908.D

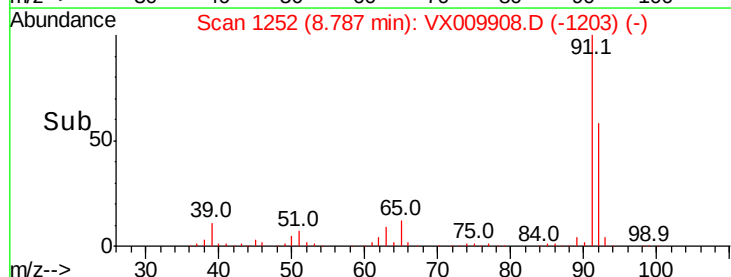
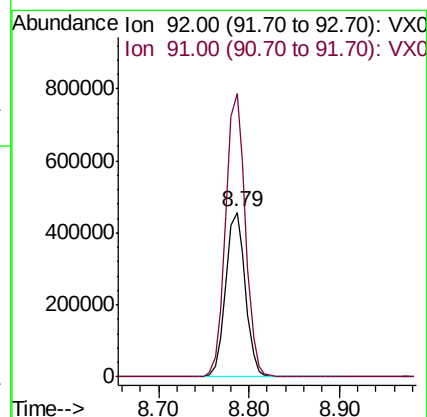
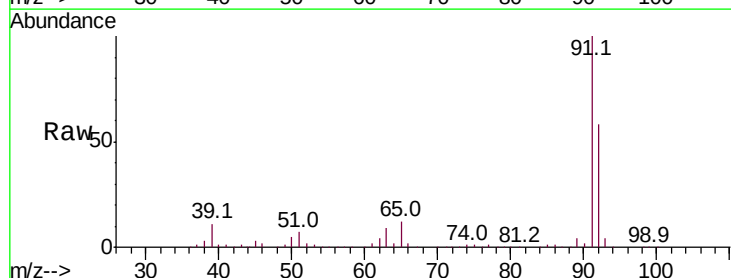
Acq: 28 May 2019 11:54

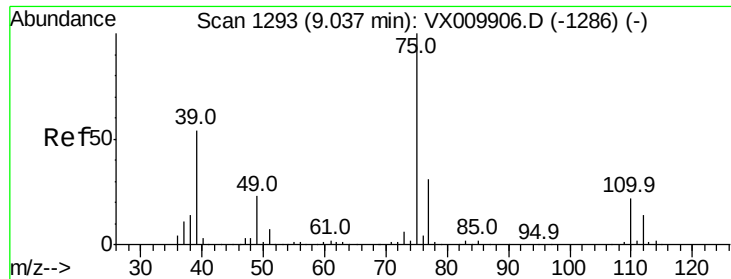
Tgt Ion: 92 Resp: 692285

Ion Ratio Lower Upper

92 100

91 172.8 139.9 209.9





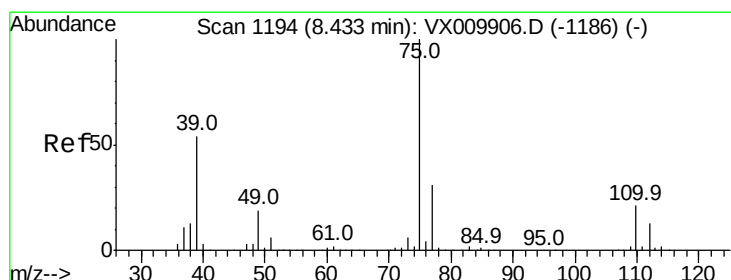
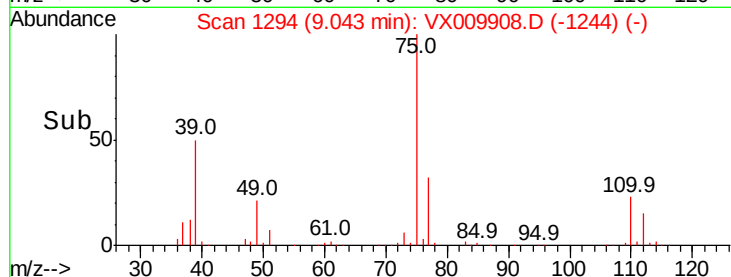
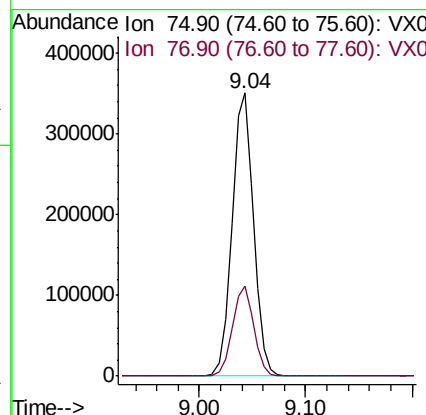
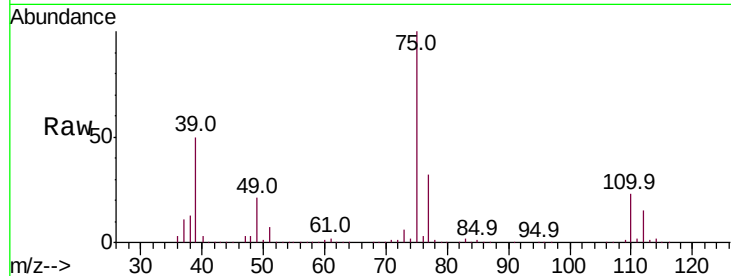
#53
t-1,3-Dichloropropene
Concen: 182.101 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX009908.D
Acq: 28 May 2019 11:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 493539
Ion Ratio Lower Upper
75 100
77 31.7 24.6 36.8

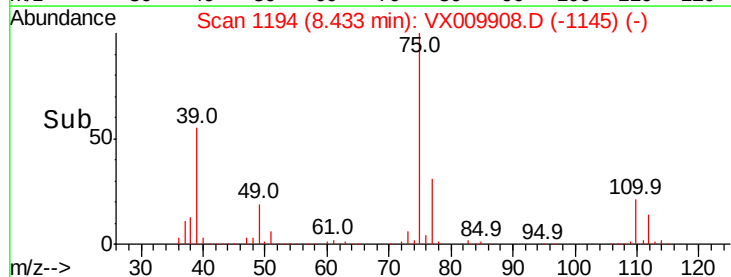
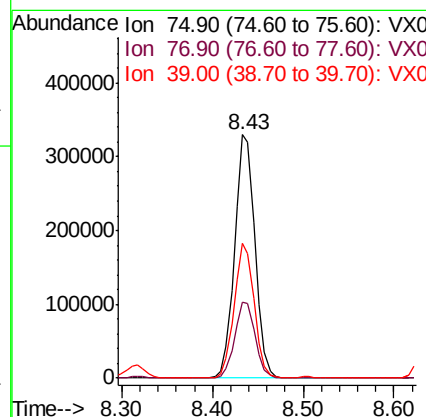
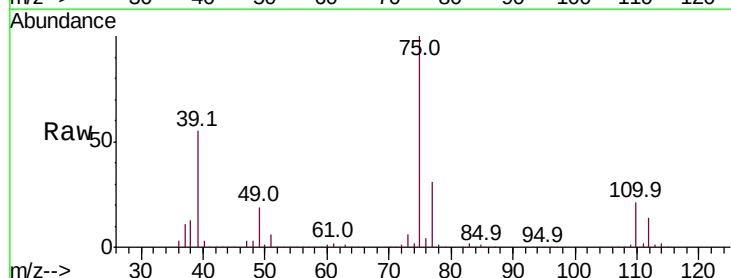
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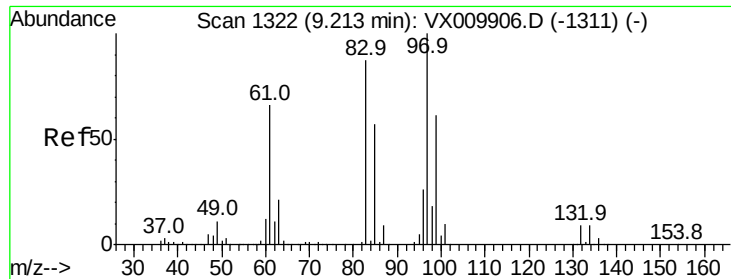
MMDadoda
5/29/2019 9:24:58 AM



#54
cis-1,3-Dichloropropene
Concen: 173.875 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX009908.D
Acq: 28 May 2019 11:54

Tgt Ion: 75 Resp: 519581
Ion Ratio Lower Upper
75 100
77 31.2 24.8 37.2
39 55.3 43.4 65.0





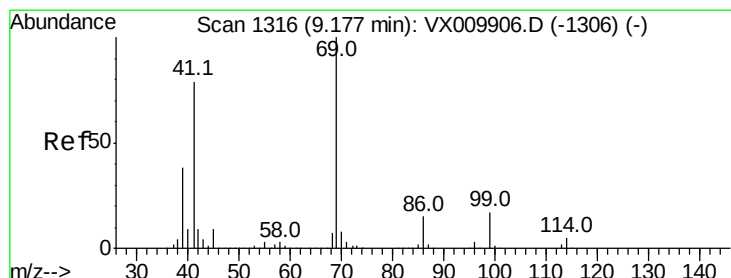
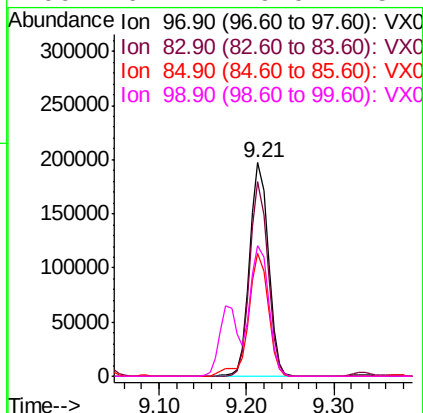
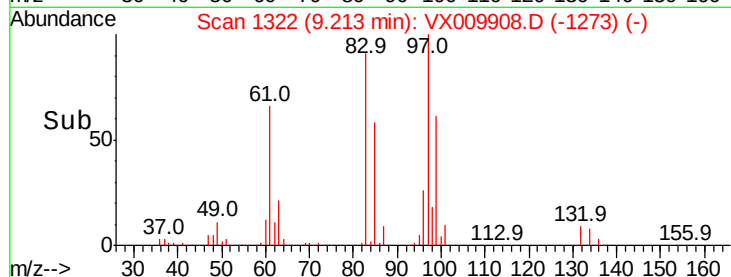
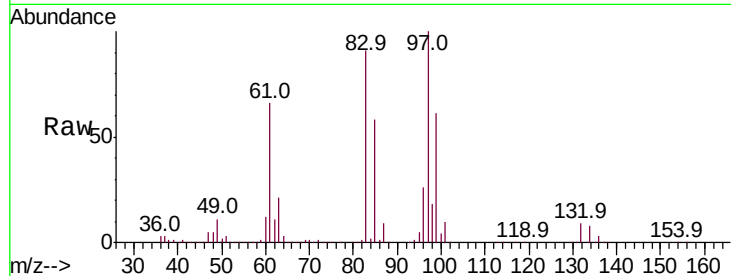
#55
 1,1,2-Trichloroethane
 Concen: 162.003 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009908.D
 Acq: 28 May 2019 11:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
97	100	291033		
83	91.1	69.8	104.8	
85	57.8	45.3	67.9	
99	61.4	49.0	73.4	

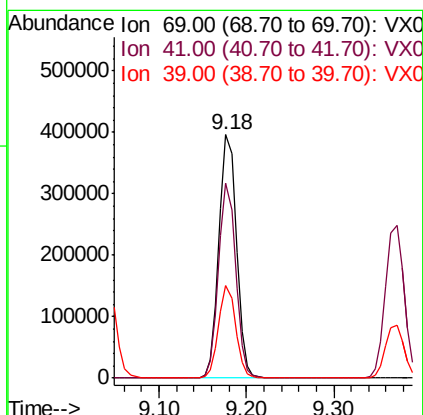
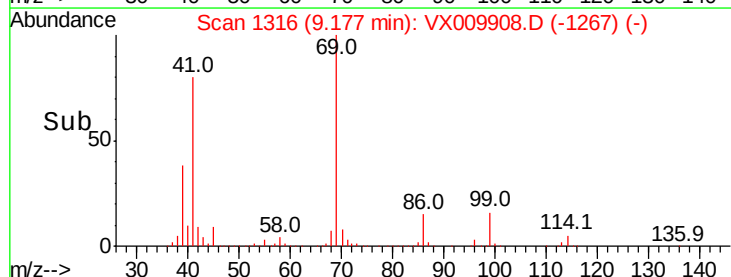
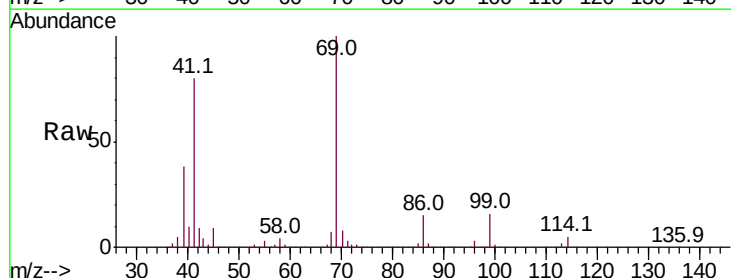
Manual Integrations
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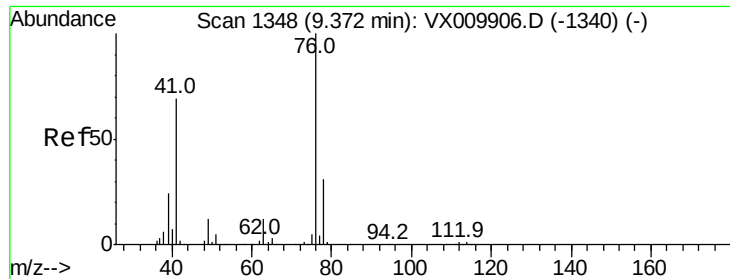
MMDadoda
 5/29/2019 9:24:58 AM



#56
 Ethyl methacrylate
 Concen: 170.494 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009908.D
 Acq: 28 May 2019 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	550658		
41	78.5	62.7	94.1	
39	37.0	29.5	44.3	





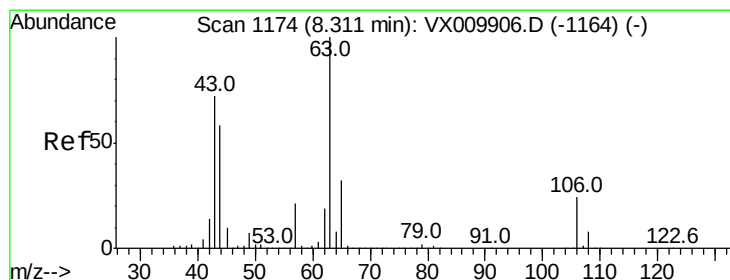
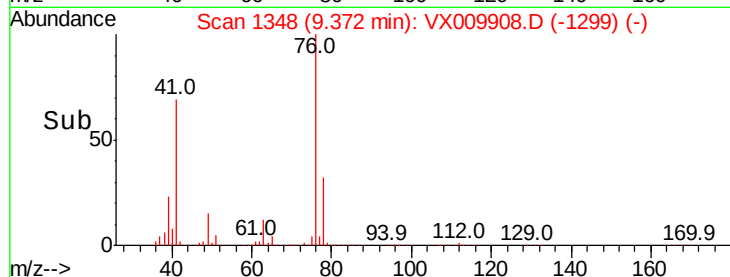
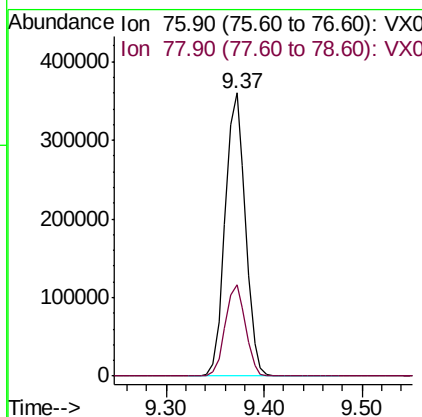
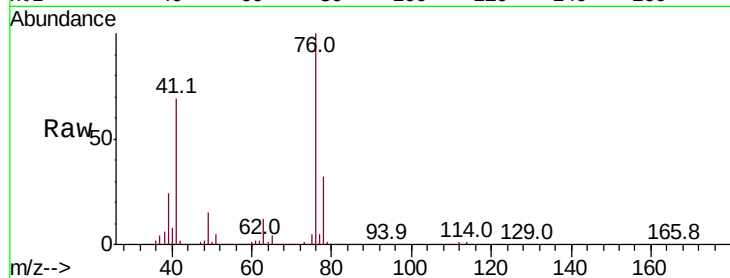
#57
 1,3-Dichloropropane
 Concen: 162.968 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX009908.D
 Acq: 28 May 2019 11:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 517472
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.4 38.0

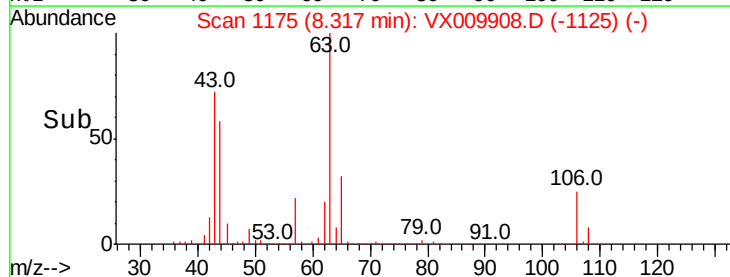
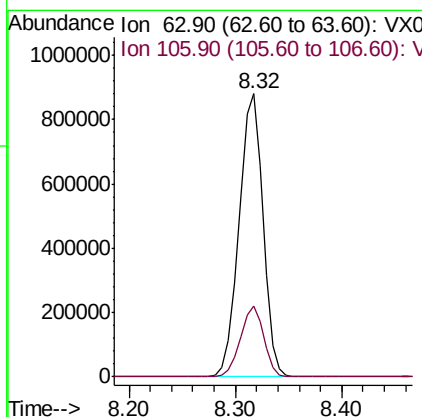
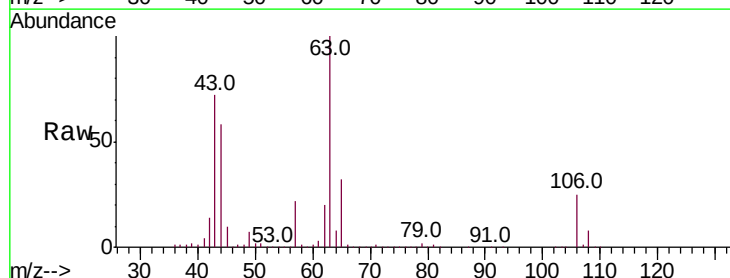
Manual Integrations
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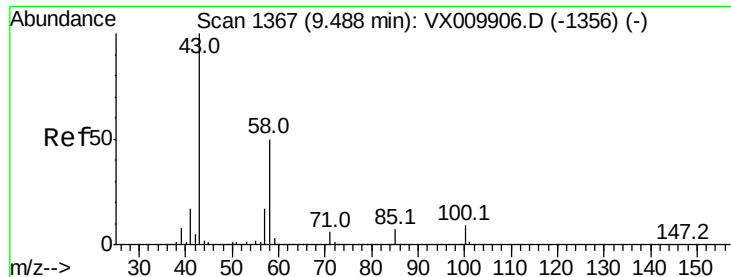
MMDadoda
 5/29/2019 9:24:58 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 821.800 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.01 min
 Lab File: VX009908.D
 Acq: 28 May 2019 11:54

Tgt Ion: 63 Resp: 1393481
 Ion Ratio Lower Upper
 63 100
 106 24.3 19.4 29.2





#59

2-Hexanone

Concen: 838.915 ug/l

RT: 9.49 min Scan# 1368

Delta R.T. 0.01 min

Lab File: VX009908.D

Acq: 28 May 2019 11:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2273836

Ion Ratio Lower Upper

43 100

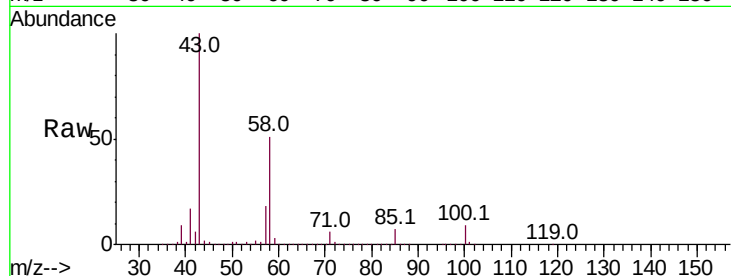
58 50.6 25.1 75.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX009906.D (-1356) (-)

Ion 58.00 (57.70 to 58.70): VX009906.D (-1356) (-)

2000000

1500000

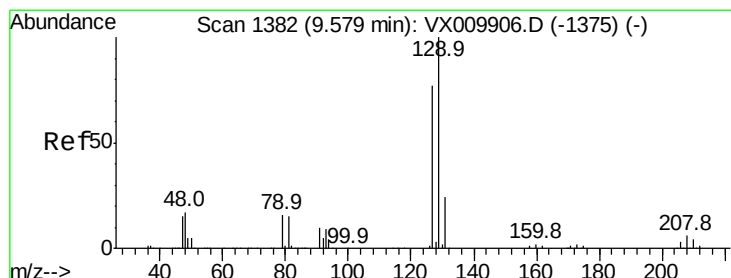
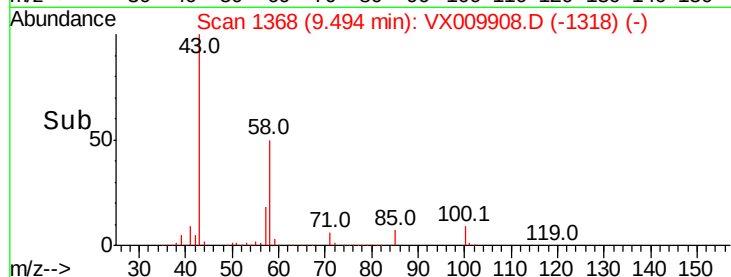
1000000

500000

0

9.40 9.50 9.60

Time-->



#60

Dibromochloromethane

Concen: 173.235 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. 0.01 min

Lab File: VX009908.D

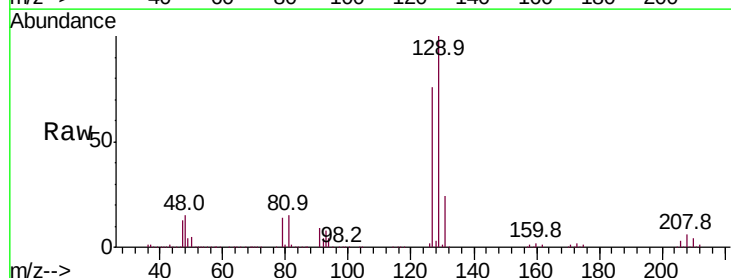
Acq: 28 May 2019 11:54

Tgt Ion: 129 Resp: 305124

Ion Ratio Lower Upper

129 100

127 77.7 38.5 115.5



Abundance Ion 128.80 (128.50 to 129.50): VX009906.D (-1375) (-)

Ion 126.80 (126.50 to 127.50): VX009906.D (-1375) (-)

250000

200000

150000

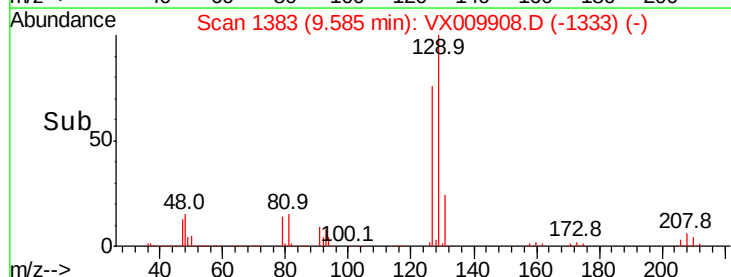
100000

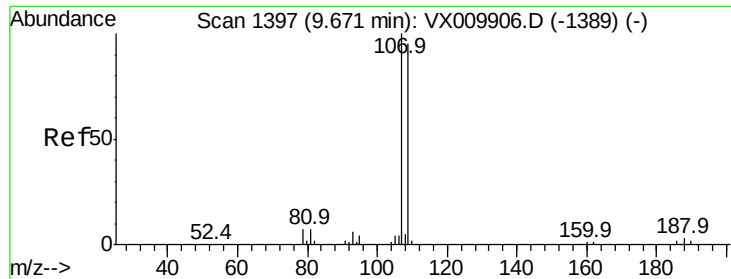
50000

0

9.50 9.55 9.60 9.65

Time-->





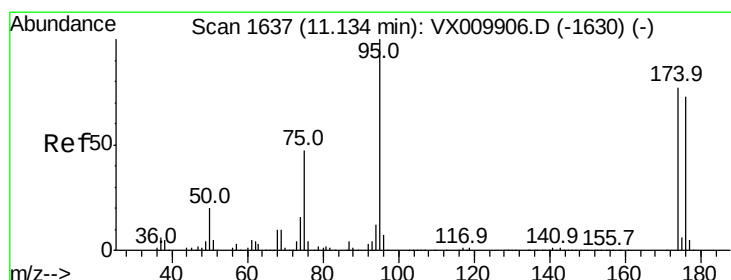
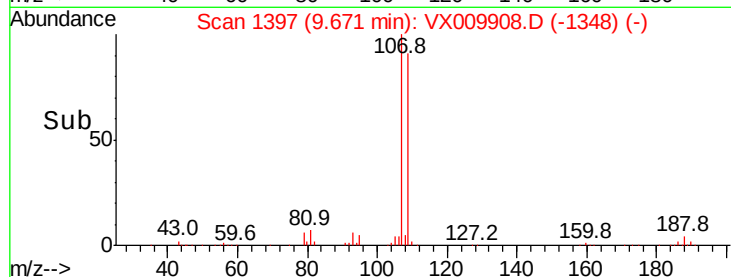
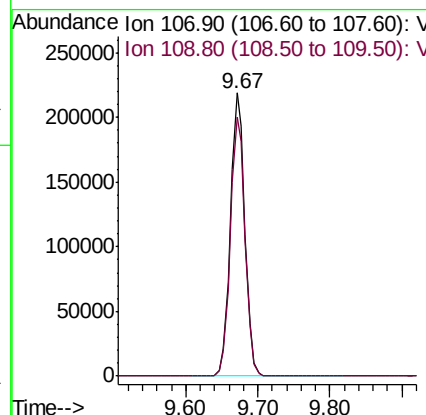
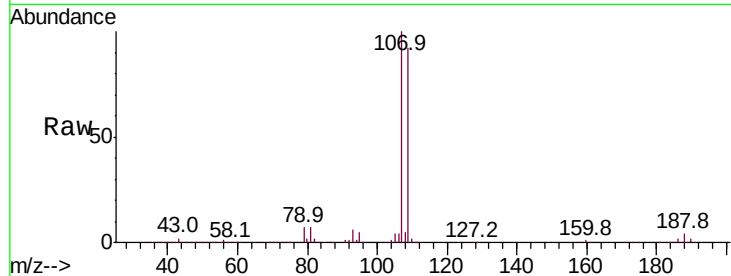
#61
 1,2-Dibromoethane
 Concen: 168.376 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX009908.D
 Acq: 28 May 2019 11:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
107	100	305835		
109	93.2	75.4	113.2	

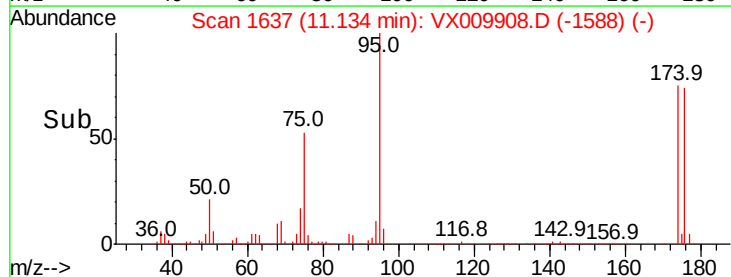
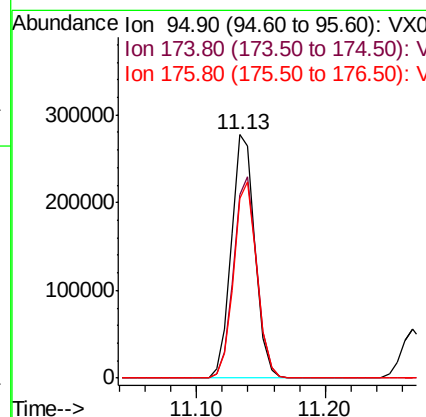
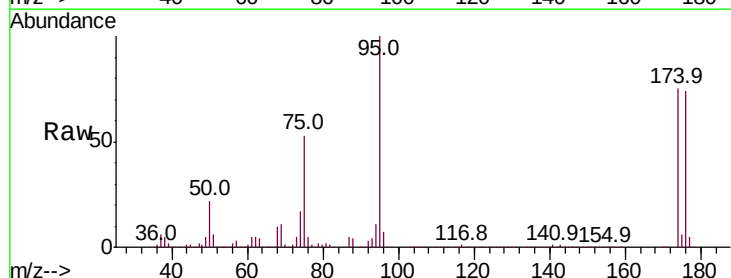
Manual Integrations
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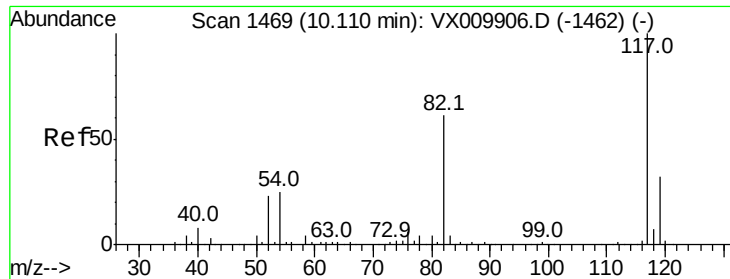
MMDadoda
 5/29/2019 9:24:58 AM



#62
 4-Bromofluorobenzene
 Concen: 155.627 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX009908.D
 Acq: 28 May 2019 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	358290		
174	81.5	0.0	160.4	
176	79.3	0.0	154.6	





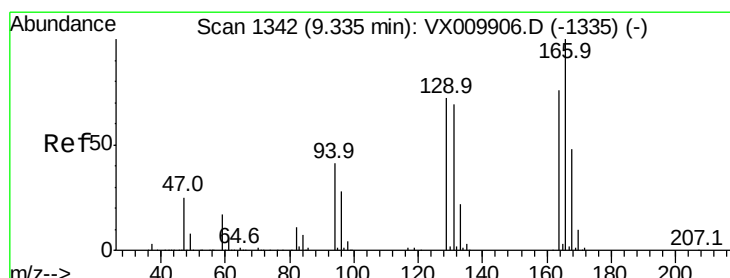
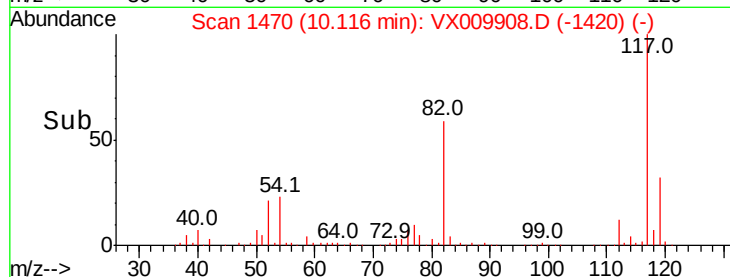
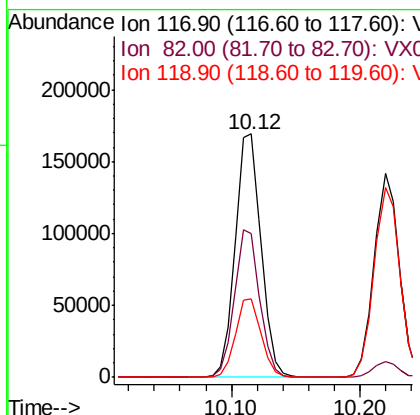
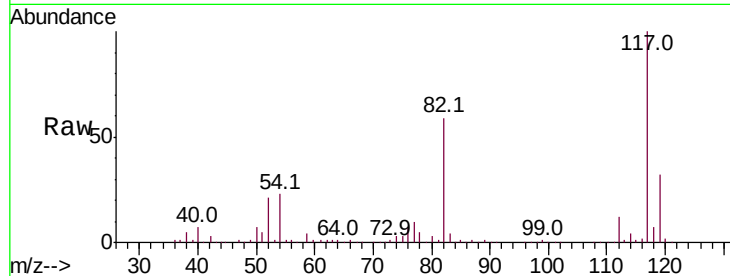
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX009908.D
Acq: 28 May 2019 11:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	236692		
82	59.0	49.2	73.8	
119	32.3	25.2	37.8	

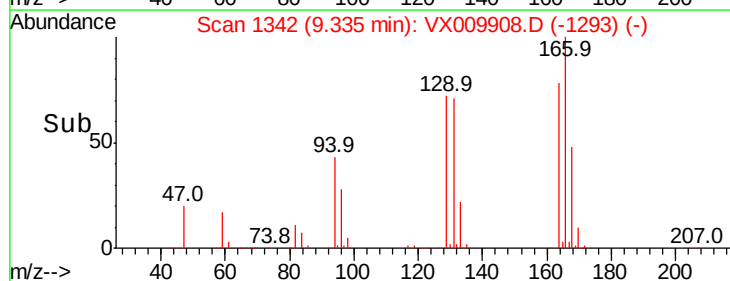
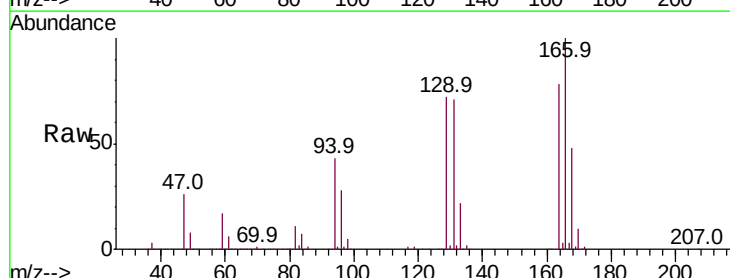
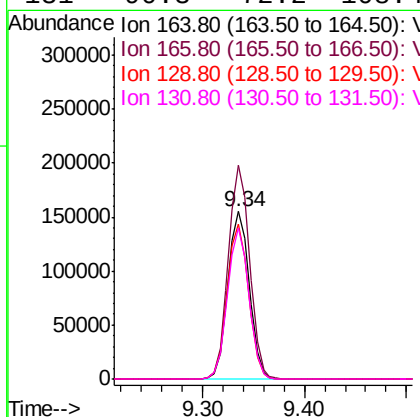
Manual Integrations
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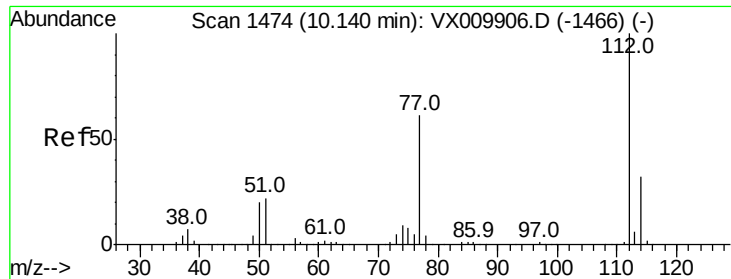
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#64
Tetrachloroethene
Concen: 137.246 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009908.D
Acq: 28 May 2019 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	224559		
166	127.8	105.0	157.4	
129	92.5	75.1	112.7	
131	90.3	72.2	108.4	





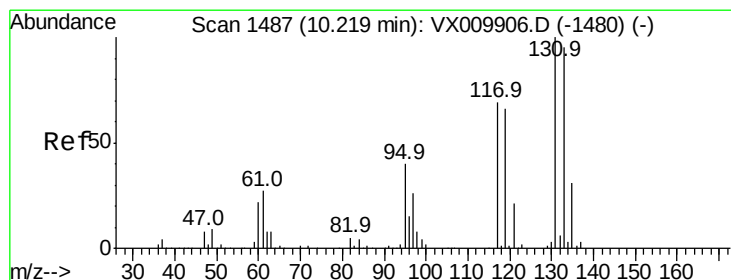
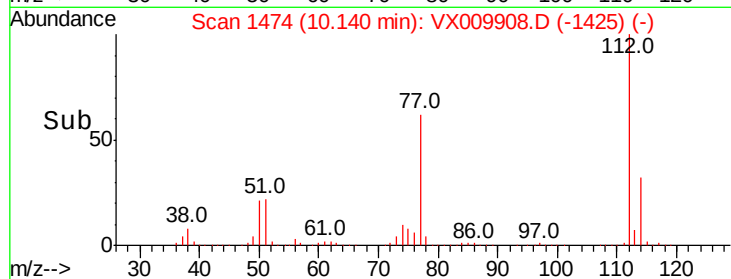
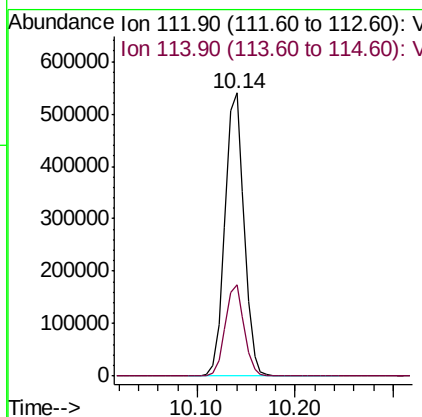
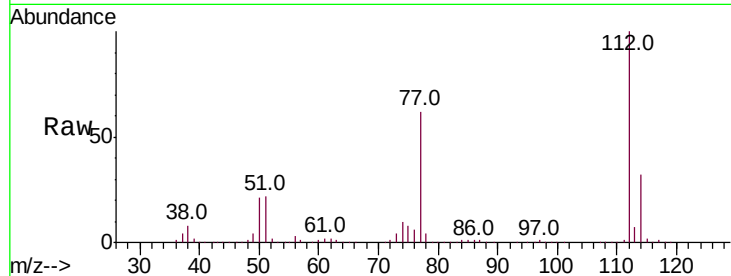
#65
Chlorobenzene
Concen: 153.939 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX009908.D
Acq: 28 May 2019 11:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.8	38.8

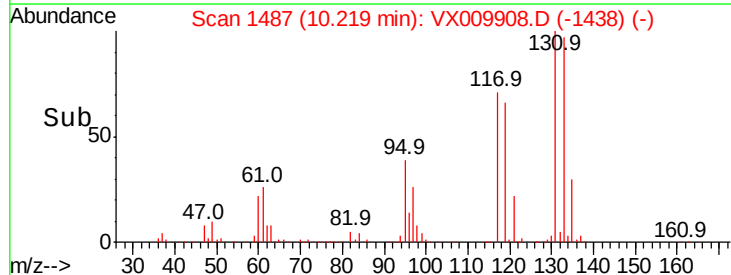
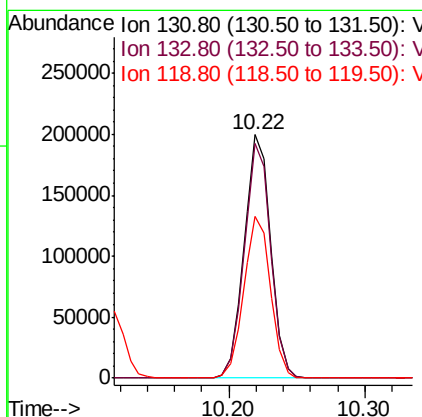
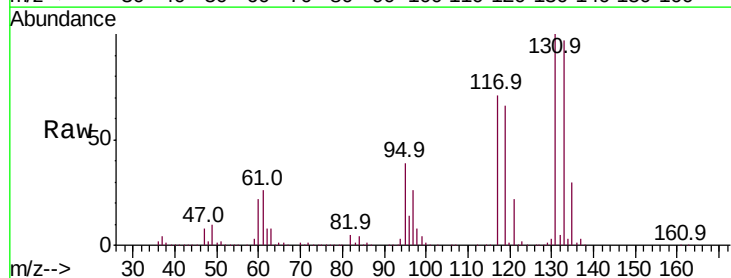
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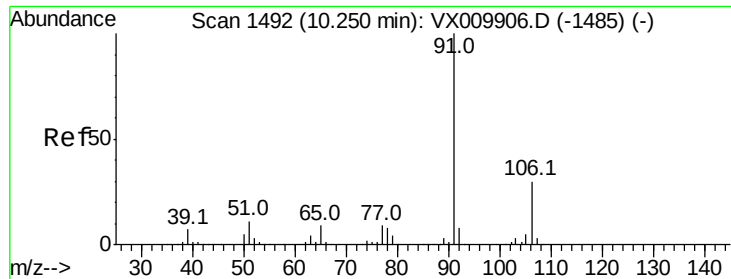
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#66
1,1,1,2-Tetrachloroethane
Concen: 157.238 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX009908.D
Acq: 28 May 2019 11:54

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	47.5	142.6
119	66.8	33.4	100.1





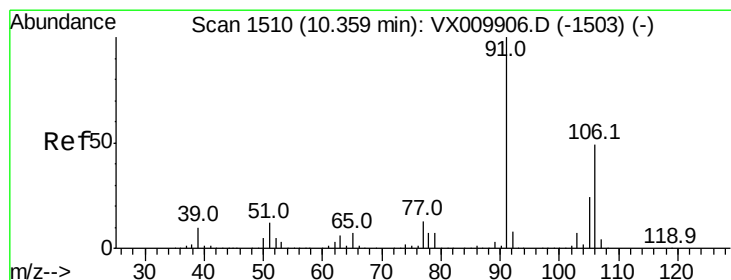
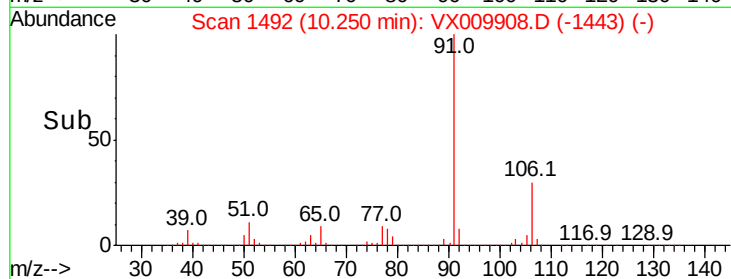
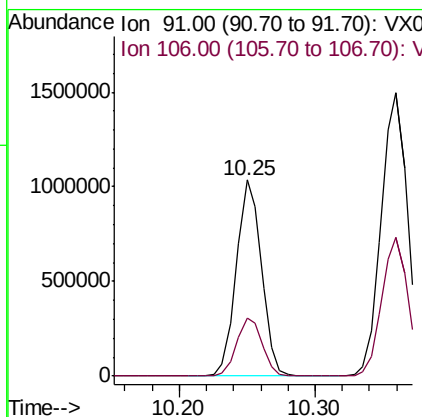
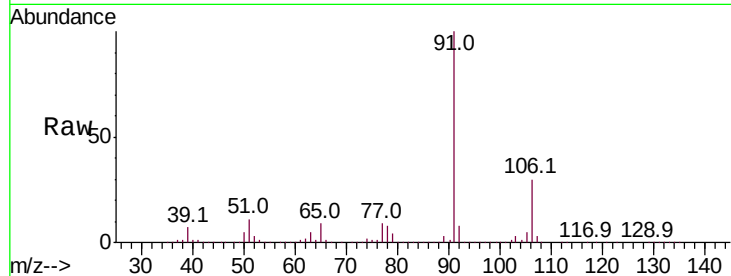
#67
Ethyl Benzene
Concen: 152.270 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX009908.D
Acq: 28 May 2019 11:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1335517
Ion Ratio Lower Upper
91 100
106 29.6 23.9 35.9

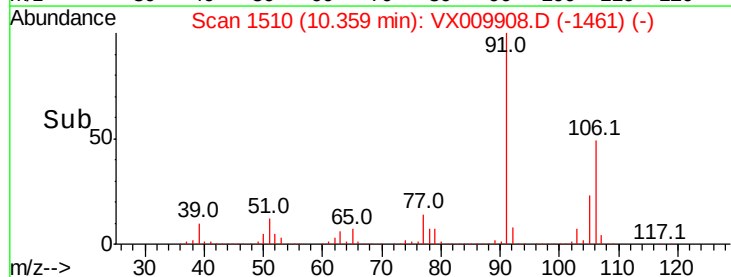
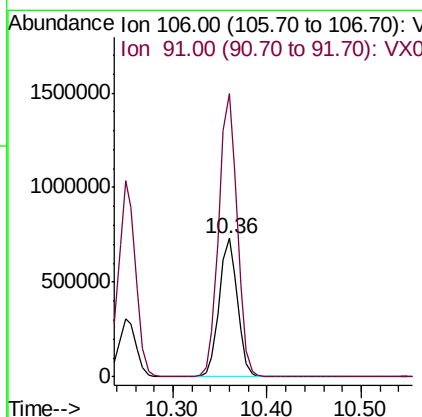
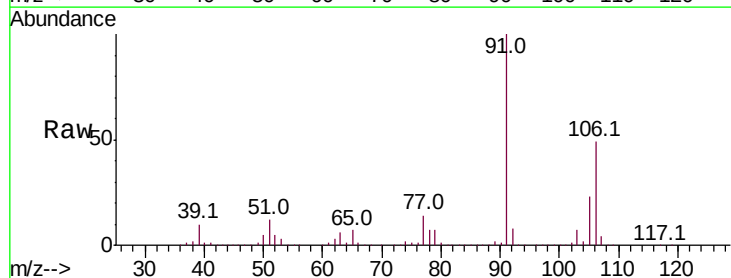
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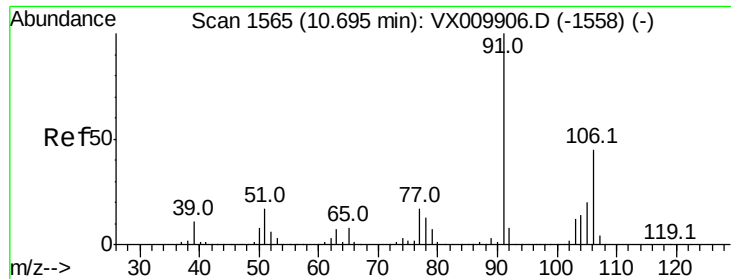
MMDadoda
5/29/2019 9:24:58 AM



#68
m/p-Xylenes
Concen: 307.012 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009908.D
Acq: 28 May 2019 11:54

Tgt Ion: 106 Resp: 984963
Ion Ratio Lower Upper
106 100
91 206.4 167.3 250.9





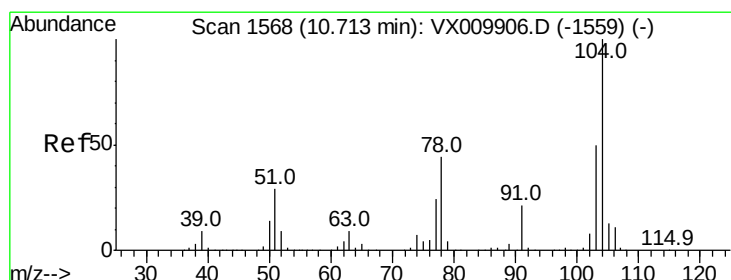
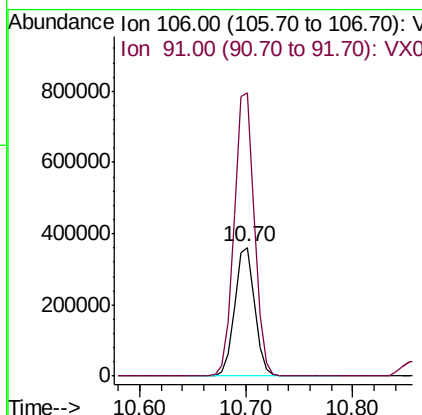
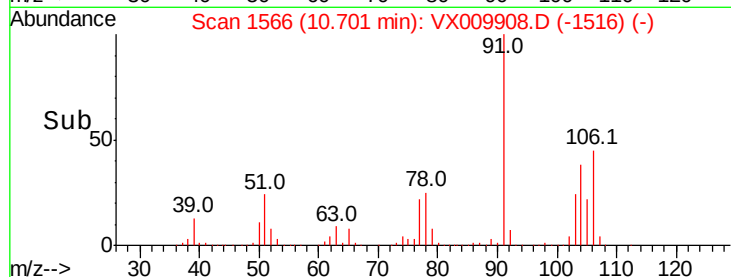
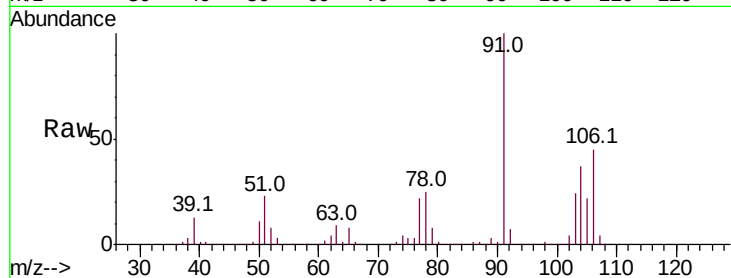
#69
o-Xylene
Concen: 151.122 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX009908.D
Acq: 28 May 2019 11:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 478058
Ion Ratio Lower Upper
106 100
91 221.8 110.4 331.2

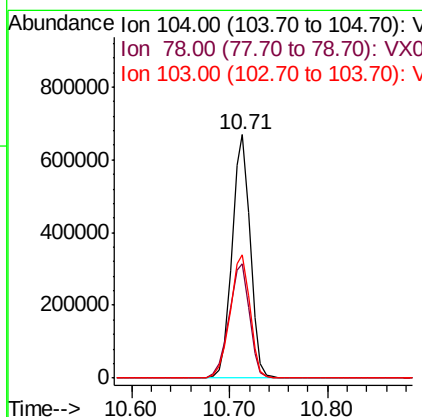
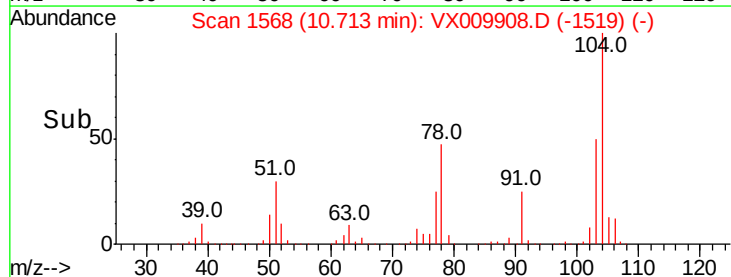
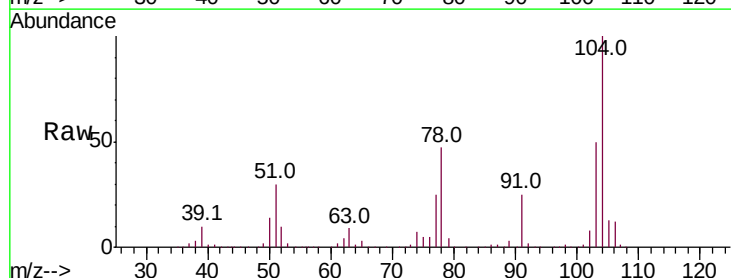
Manual Integrations
APPROVED

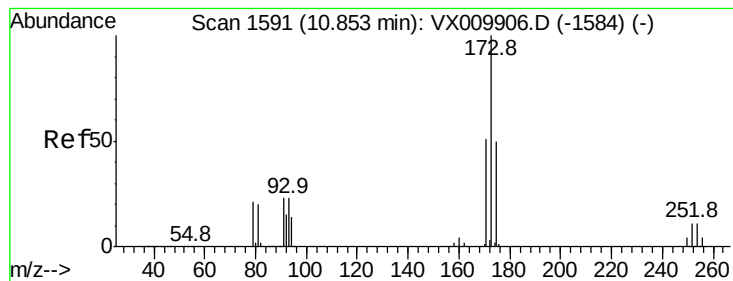
MMDadoda
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#70
Styrene
Concen: 156.888 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009908.D
Acq: 28 May 2019 11:54

Tgt Ion:104 Resp: 860404
Ion Ratio Lower Upper
104 100
78 52.6 42.1 63.1
103 55.5 44.1 66.1





#71

Bromoform

Concen: 171.138 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.01 min

Lab File: VX009908.D

Acq: 28 May 2019 11:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 240270

Ion Ratio Lower Upper

173 100

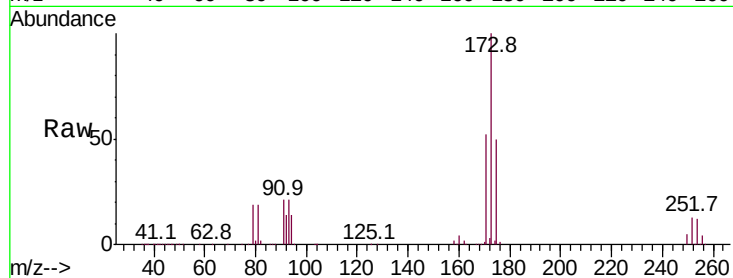
175 49.1 25.0 75.0

254 0.2 0.2 0.2#

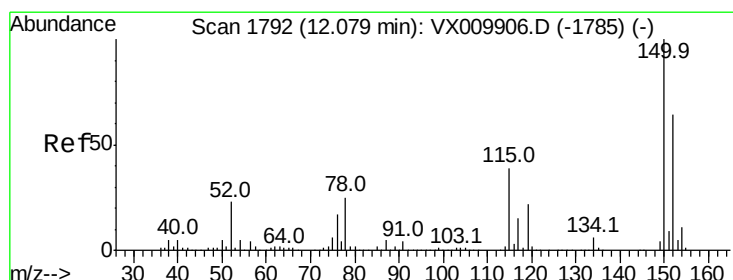
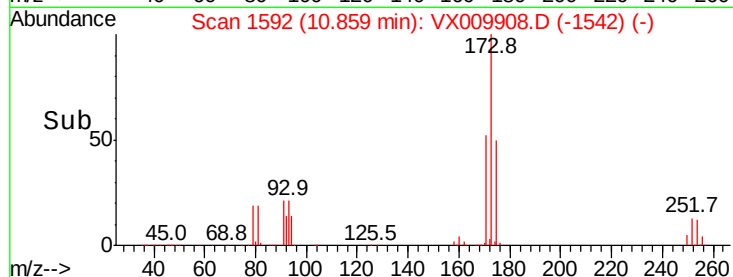
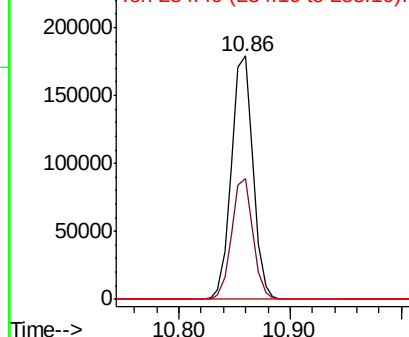
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009908.D

Acq: 28 May 2019 11:54

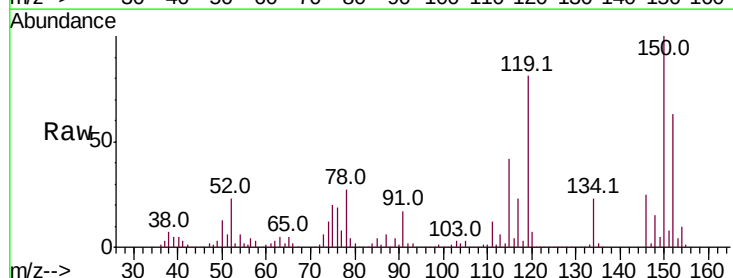
Tgt Ion:152 Resp: 118268

Ion Ratio Lower Upper

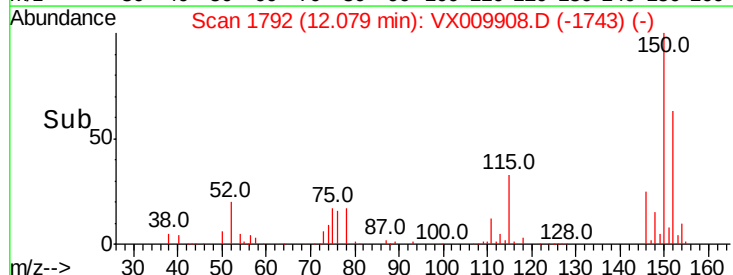
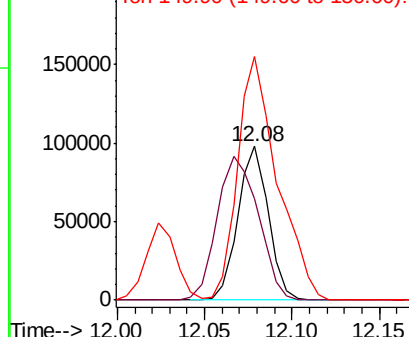
152 100

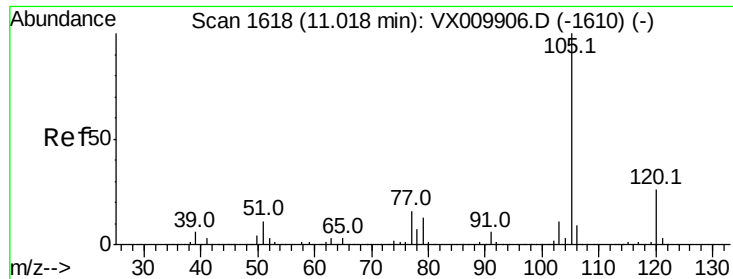
115 127.3 41.4 124.2#

150 207.3 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: 142.106 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009908.D

Acq: 28 May 2019 11:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1229742

Ion Ratio Lower Upper

105 100

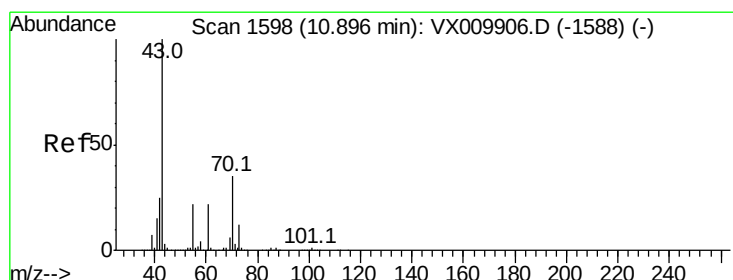
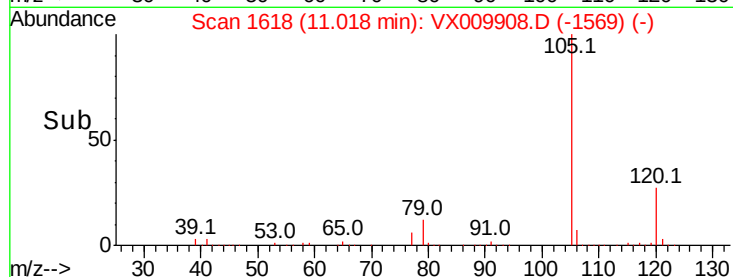
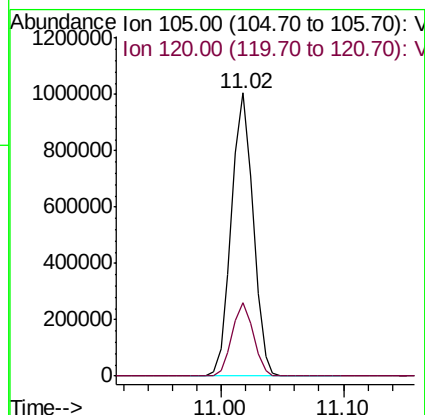
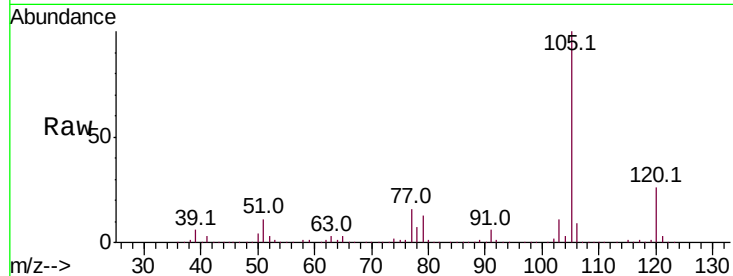
120 25.7 12.8 38.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 166.138 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009908.D

Acq: 28 May 2019 11:54

Tgt Ion: 43 Resp: 841132

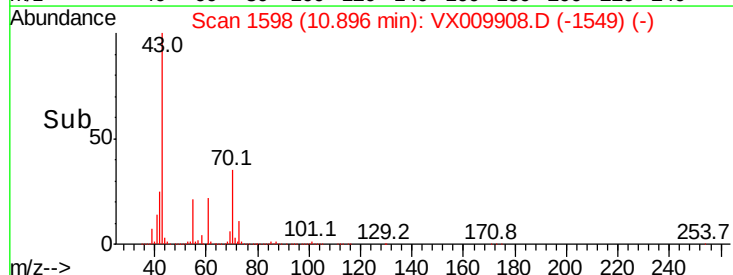
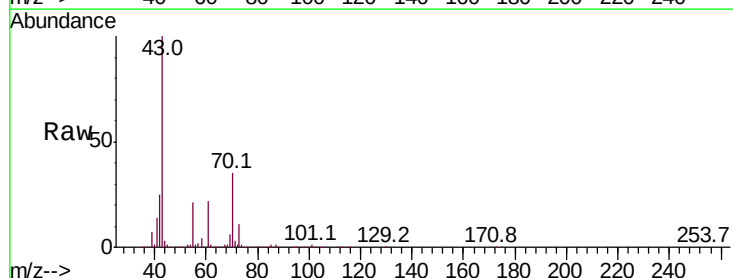
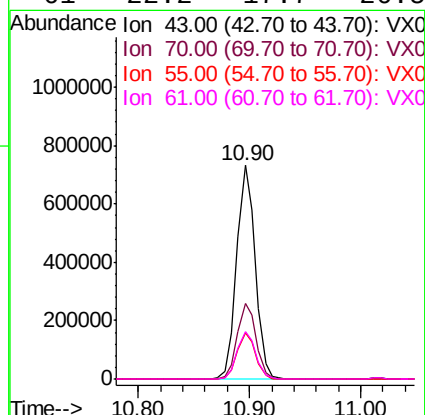
Ion Ratio Lower Upper

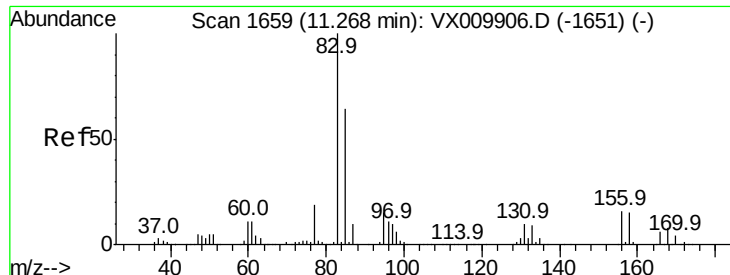
43 100

70 35.9 28.6 43.0

55 21.5 17.8 26.8

61 22.2 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 151.505 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009908.D

Acq: 28 May 2019 11:54

Instrument :

MSVOA_X

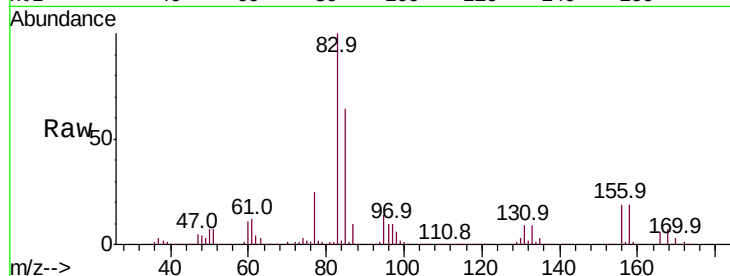
ClientSampleId :

VSTDIC150

Tot Ion	83	Resp	486426
Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.7	14.1
85	63.8	31.9	95.9

Manual Integrations
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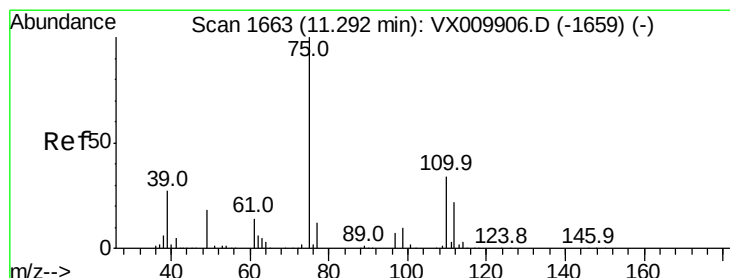
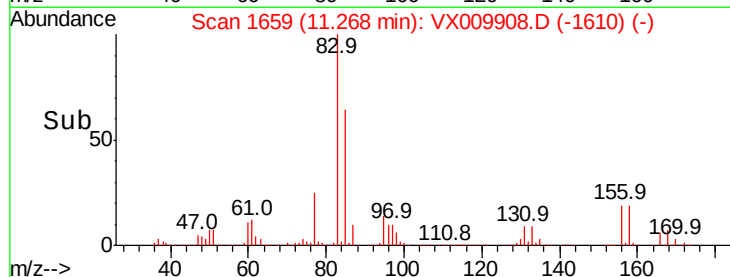
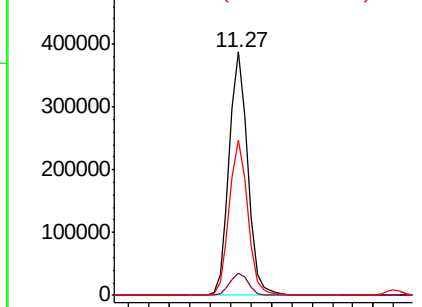


Abundance

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: 146.318 ug/l m

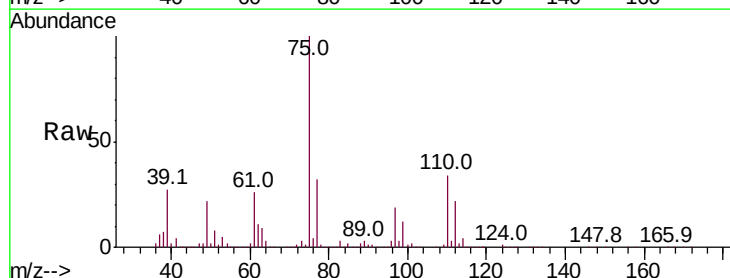
RT: 11.30 min Scan# 1664

Delta R.T. 0.01 min

Lab File: VX009908.D

Acq: 28 May 2019 11:54

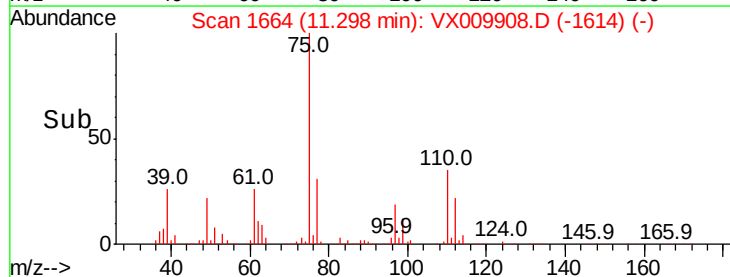
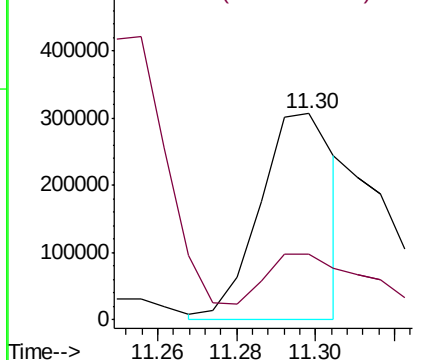
Tgt Ion	75	Resp	404095
Ion	Ratio	Lower	Upper
75	100		
77	45.6	22.1	66.1

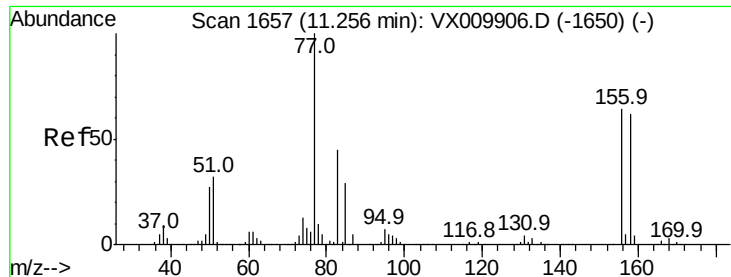


Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 150.191 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009908.D

Acq: 28 May 2019 11:54

Instrument :

MSVOA_X

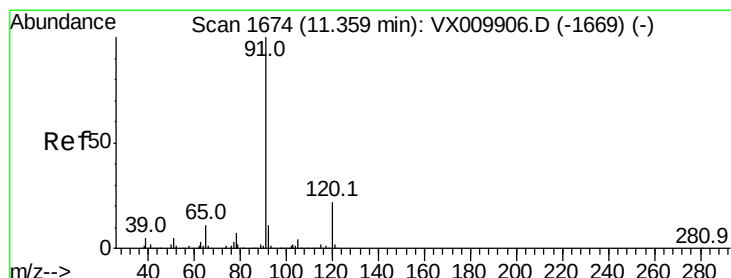
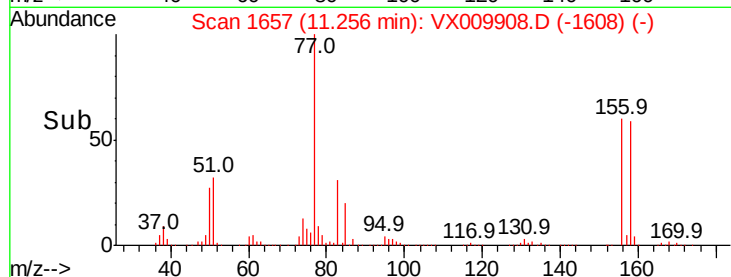
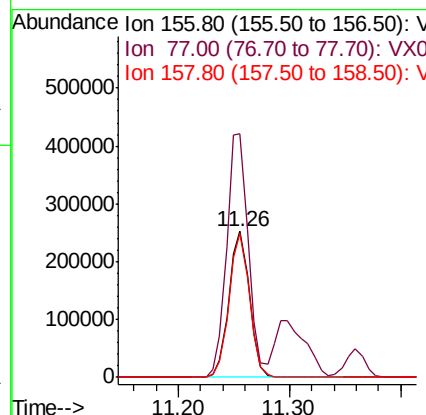
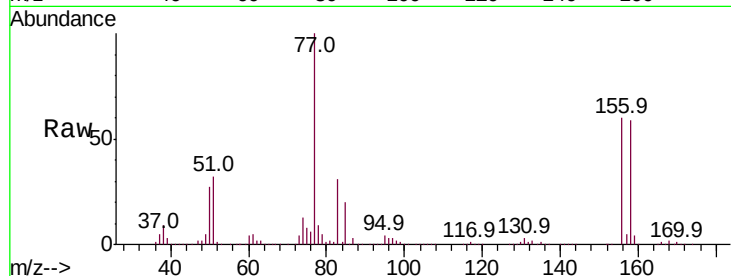
ClientSampled :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
156	100		
77	176.4	86.8	260.3
158	97.3	49.6	148.8

Manual Integrations
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#78

n-propylbenzene

Concen: 145.586 ug/l

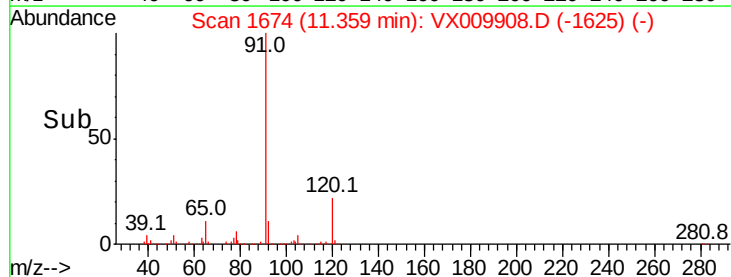
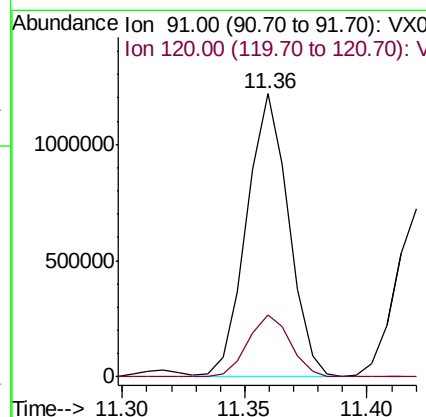
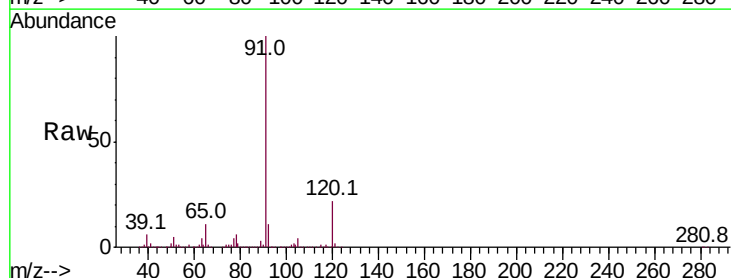
RT: 11.36 min Scan# 1674

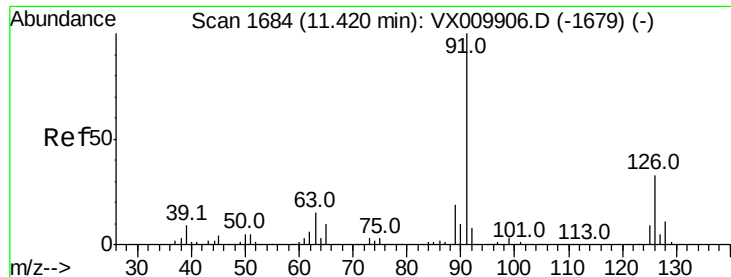
Delta R.T. -0.00 min

Lab File: VX009908.D

Acq: 28 May 2019 11:54

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.1	33.3





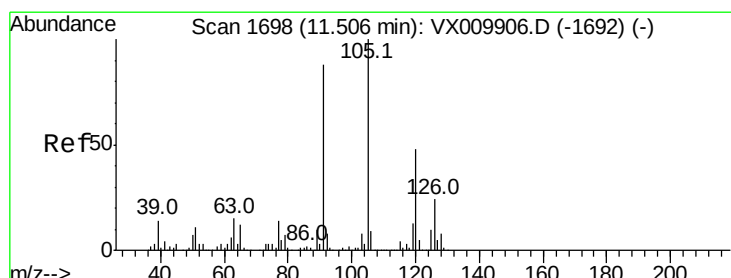
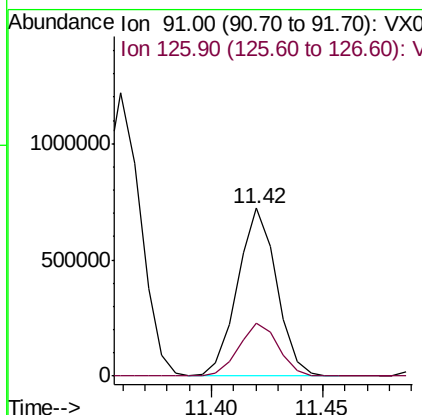
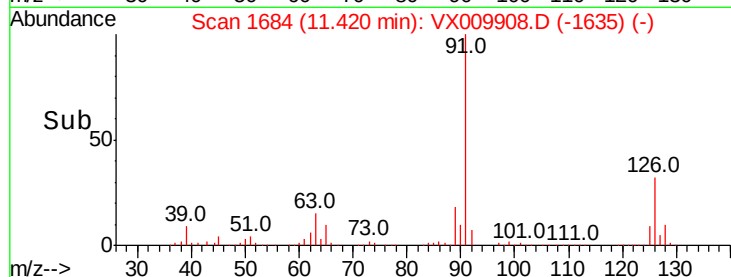
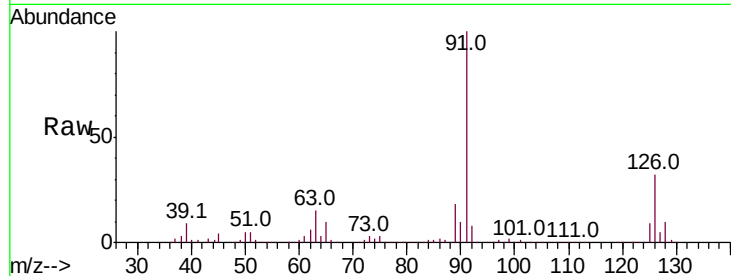
#79
 2-Chlorotoluene
 Concen: 144.042 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX009908.D
 Acq: 28 May 2019 11:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.1	48.3

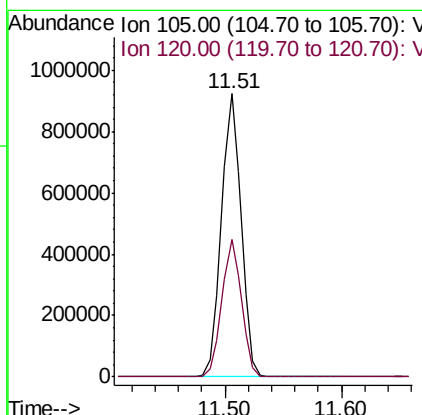
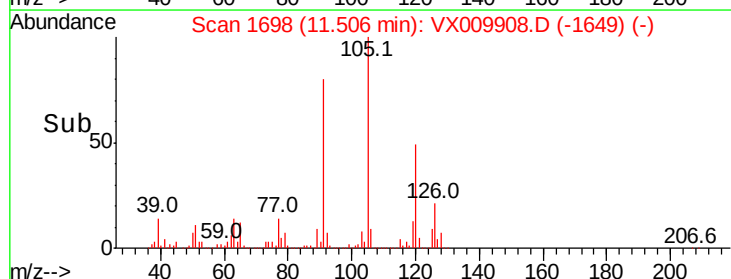
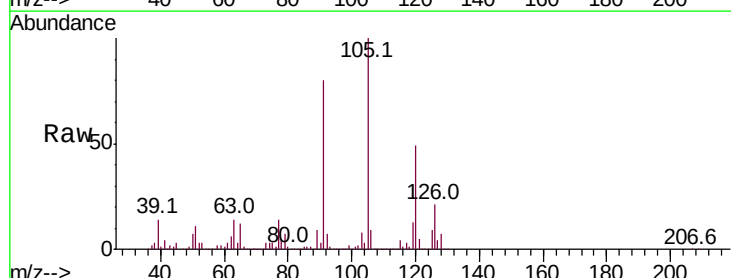
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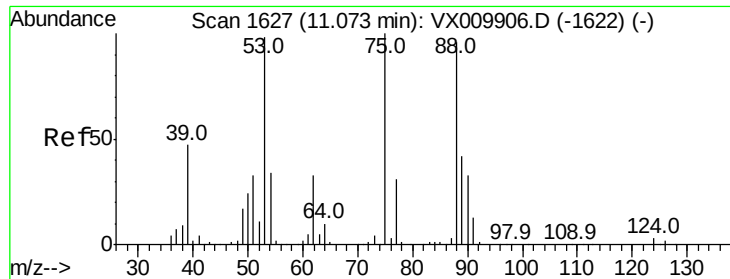
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 147.136 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX009908.D
 Acq: 28 May 2019 11:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.3	24.1	72.3





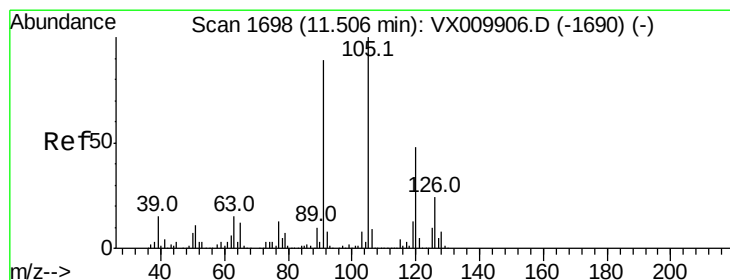
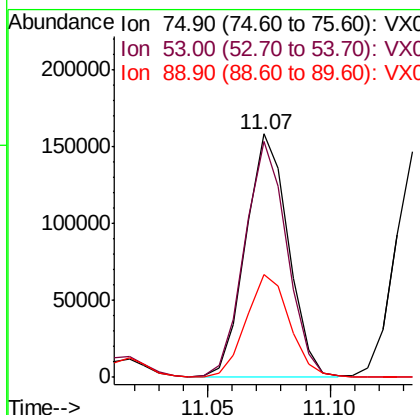
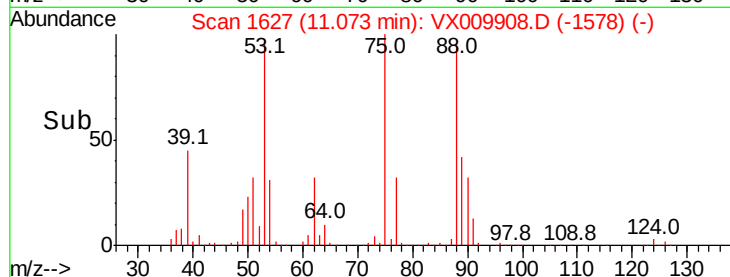
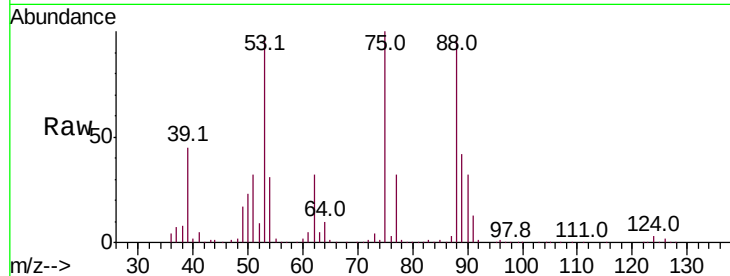
#81
trans-1,4-Dichloro-2-butene
Concen: 175.757 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX009908.D
Acq: 28 May 2019 11:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.2	79.8	119.6
89	43.3	34.2	51.4

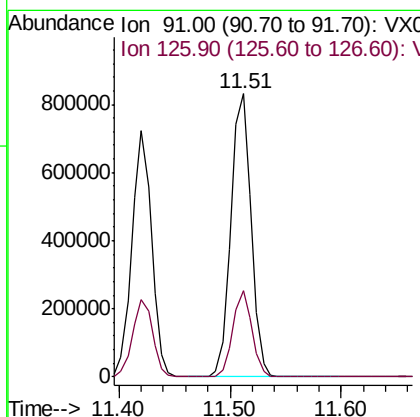
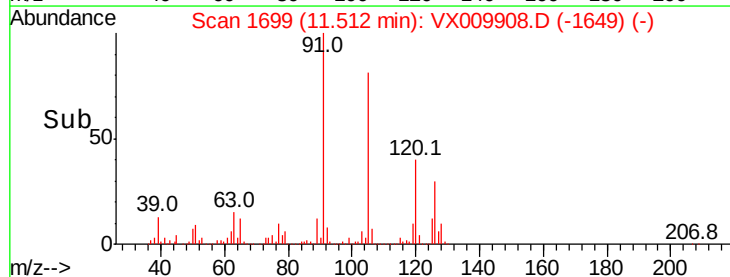
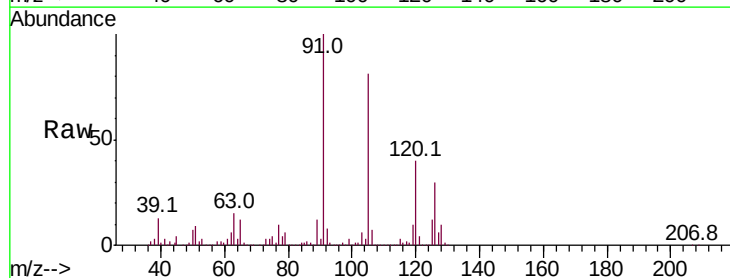
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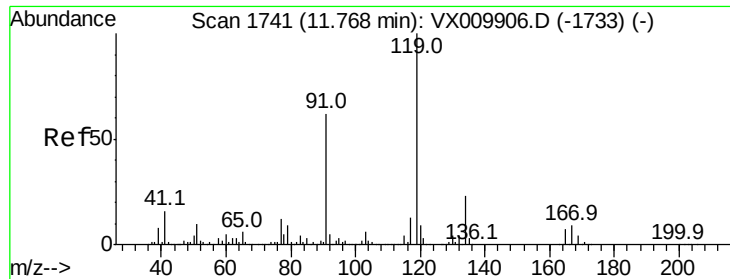
MMDadoda
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#82
4-Chlorotoluene
Concen: 150.596 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.01 min
Lab File: VX009908.D
Acq: 28 May 2019 11:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.0	14.2	42.6





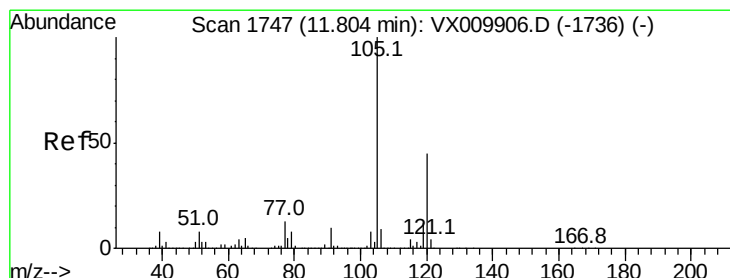
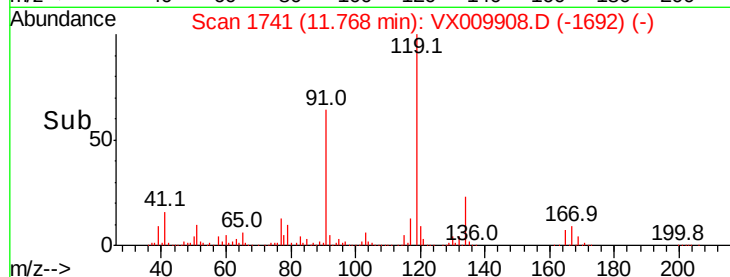
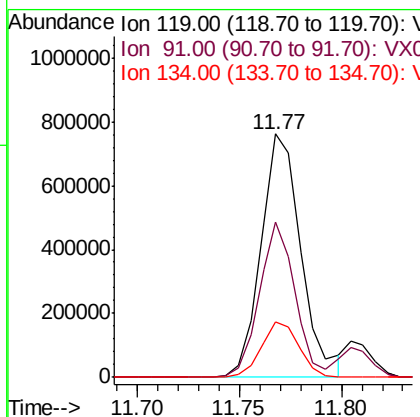
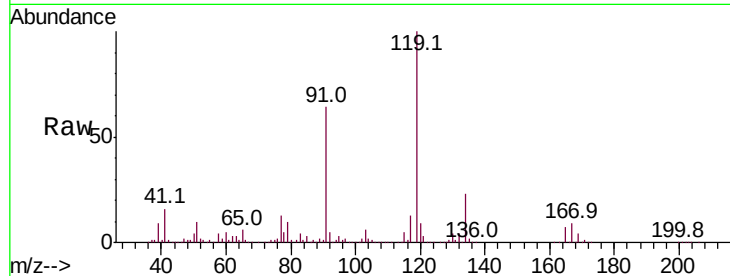
#83
 tert-Butylbenzene
 Concen: 146.742 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX009908.D
 Acq: 28 May 2019 11:54

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.8	30.0	90.0
134	21.4	11.2	33.5

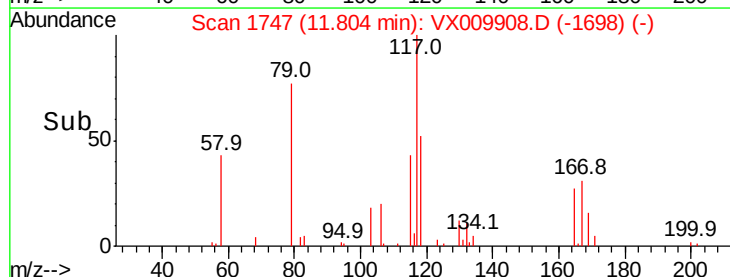
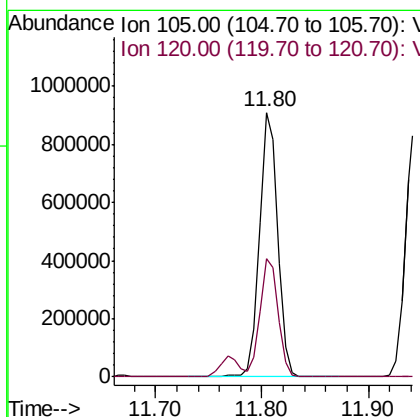
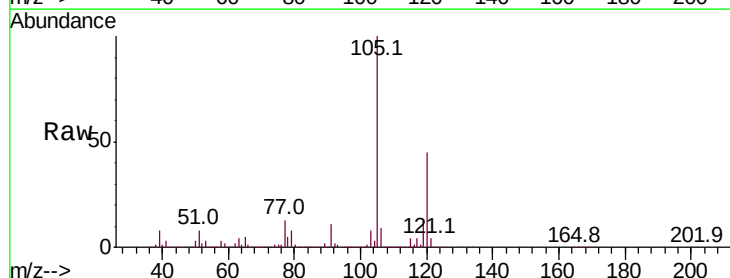
Manual Integrations
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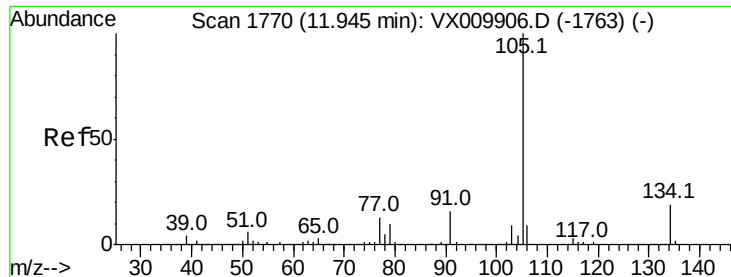
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#84
 1,2,4-Trimethylbenzene
 Concen: 148.934 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX009908.D
 Acq: 28 May 2019 11:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.1





#85

sec-Butylbenzene

Concen: 138.624 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009908.D

Acq: 28 May 2019 11:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1164803

Ion Ratio Lower Upper

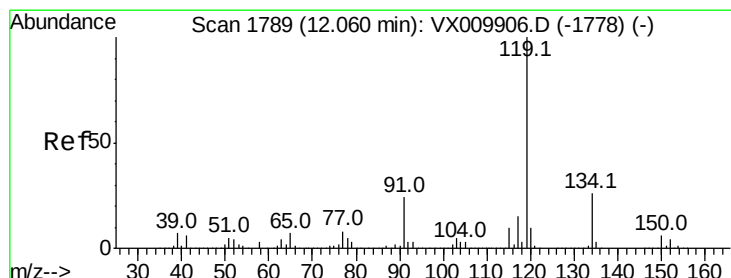
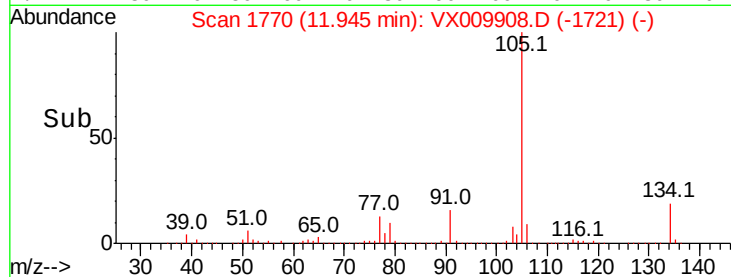
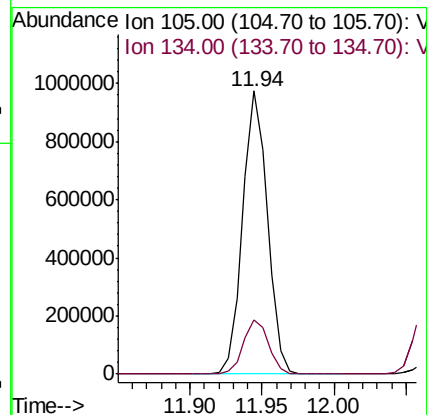
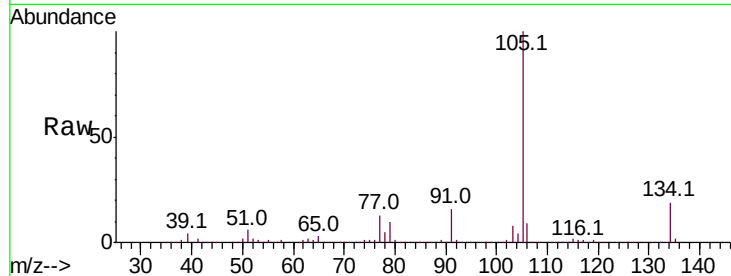
105 100

134 19.4 9.7 28.9

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 144.204 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX009908.D

Acq: 28 May 2019 11:54

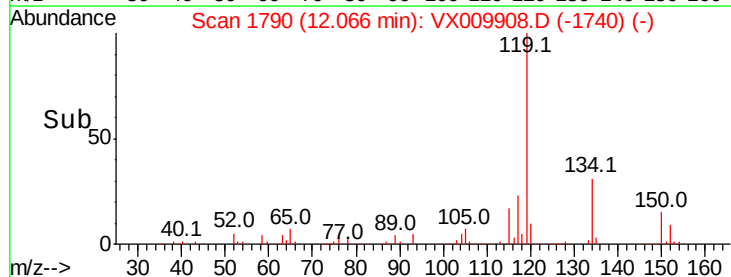
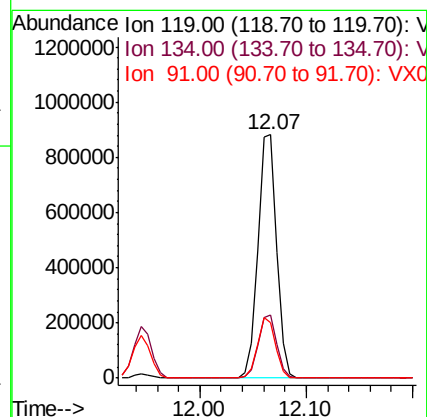
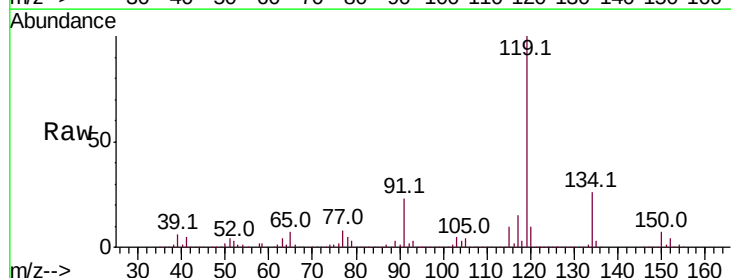
Tgt Ion:119 Resp: 1090488

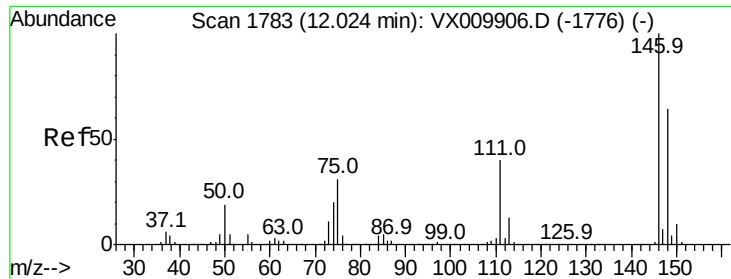
Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.6

91 24.0 11.9 35.9





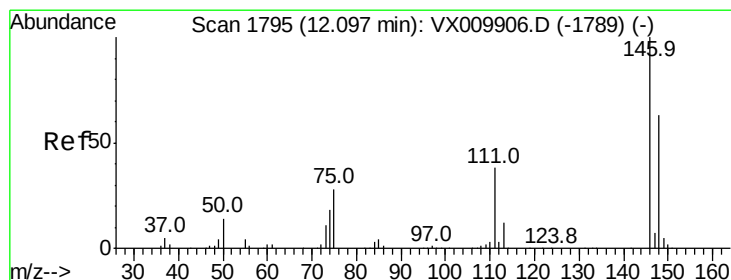
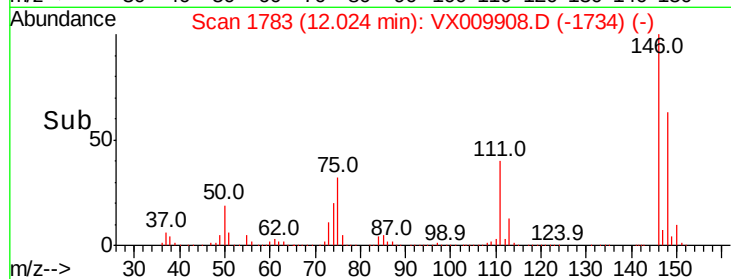
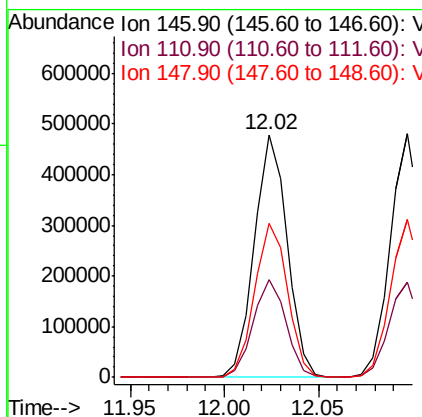
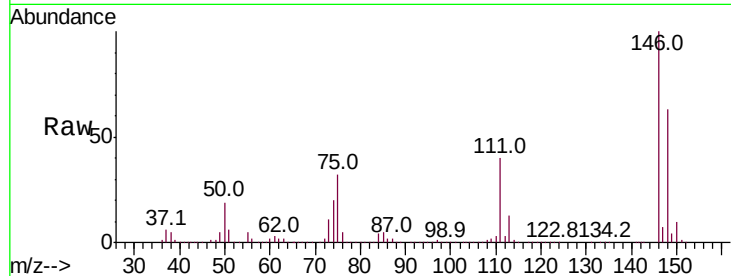
#87
 1,3-Dichlorobenzene
 Concen: 151.405 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009908.D
 Acq: 28 May 2019 11:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.1	60.2
148	63.7	31.9	95.5

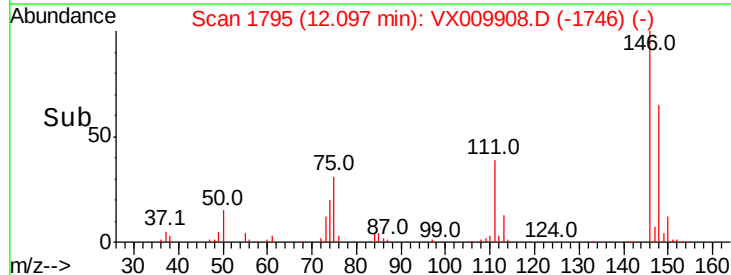
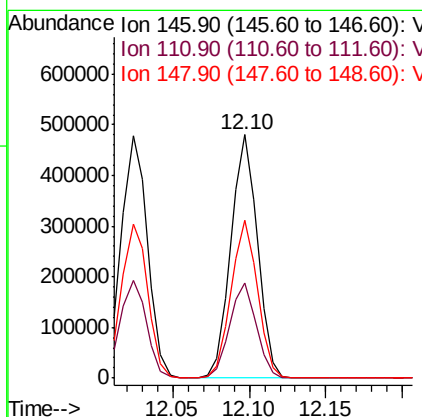
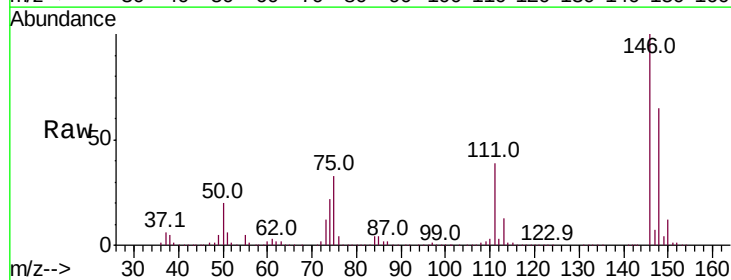
Manual Integrations
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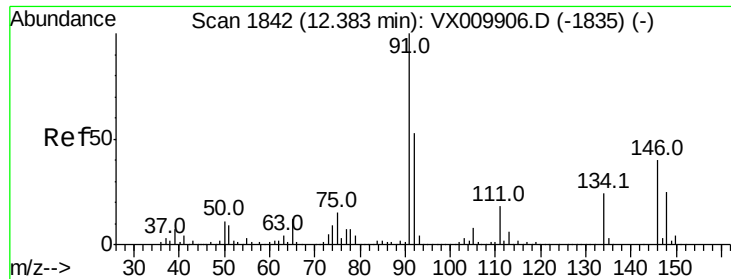
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#88
 1,4-Dichlorobenzene
 Concen: 149.906 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009908.D
 Acq: 28 May 2019 11:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.0	59.9
148	64.6	32.3	96.9





#89

n-Butylbenzene

Concen: 150.848 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX009908.D

Acq: 28 May 2019 11:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1035522

Ion Ratio Lower Upper

91 100

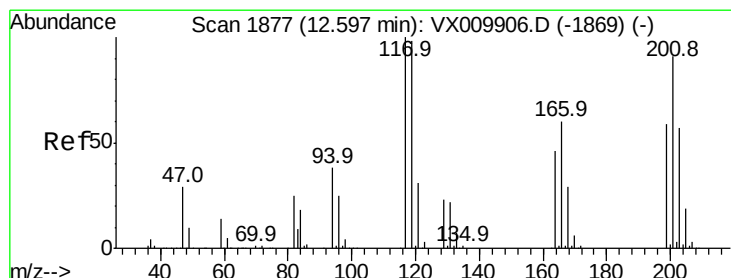
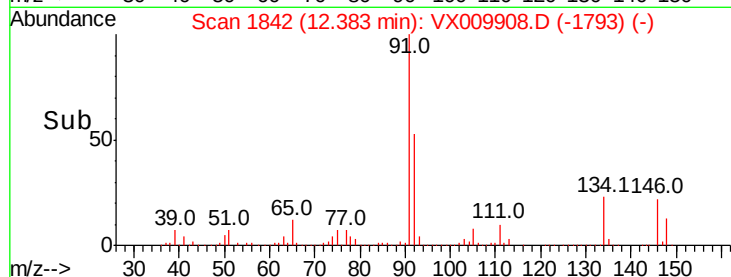
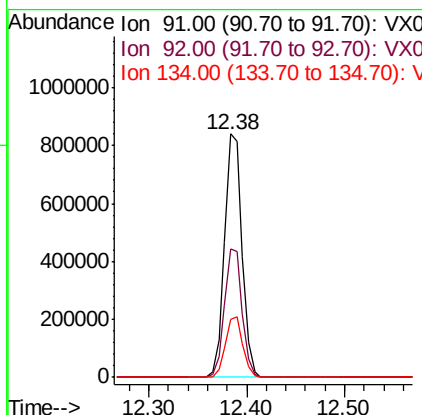
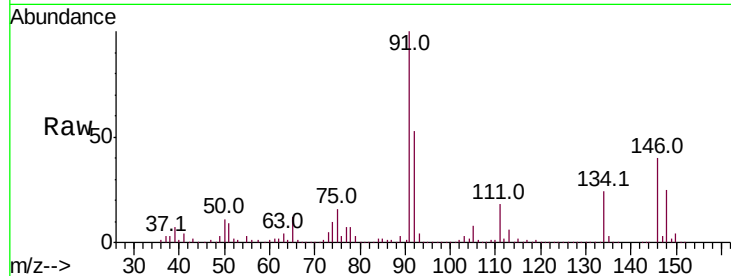
92 53.0 26.3 78.8

134 24.8 12.3 36.8

Manual Integrations
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#90

Hexachloroethane

Concen: 155.522 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX009908.D

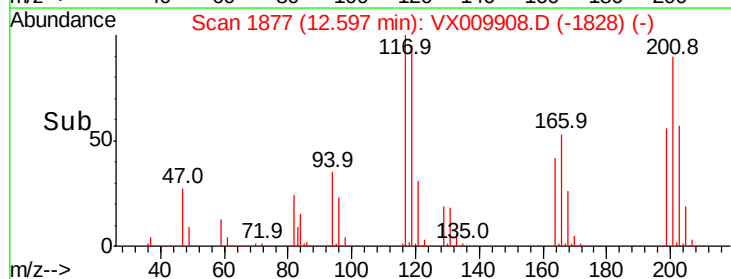
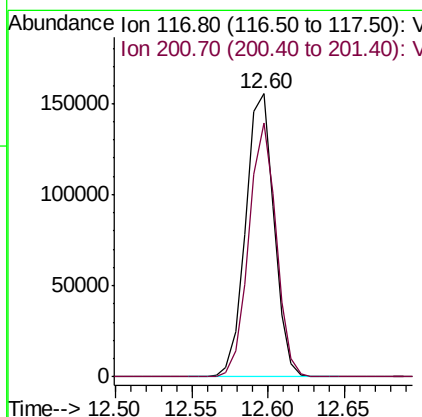
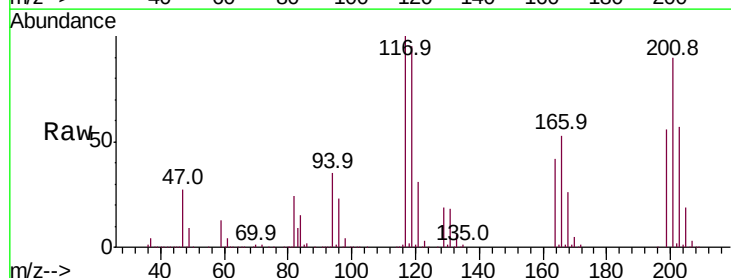
Acq: 28 May 2019 11:54

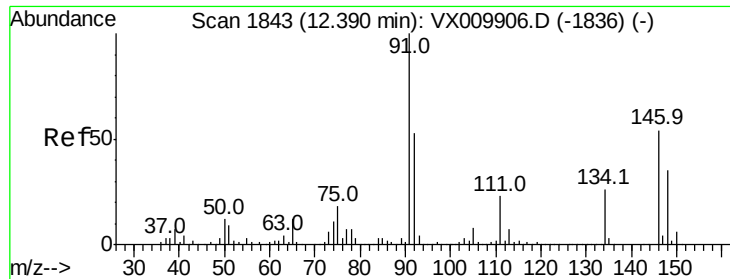
Tgt Ion: 117 Resp: 200017

Ion Ratio Lower Upper

117 100

201 86.2 43.6 130.9





#91

1,2-Dichlorobenzene

Concen: 149.408 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX009908.D

Acq: 28 May 2019 11:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion:146 Resp: 579788

Ion Ratio Lower Upper

146 100

111 41.7 21.1 63.1

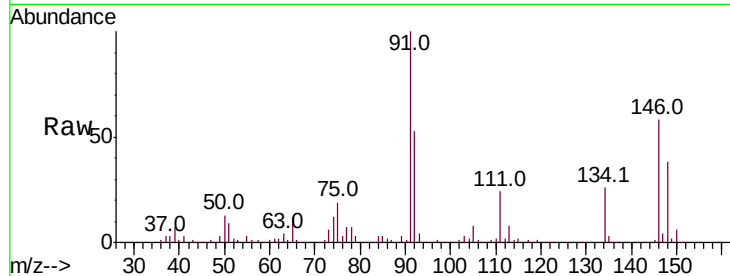
148 64.3 32.3 96.8

Manual Integrations

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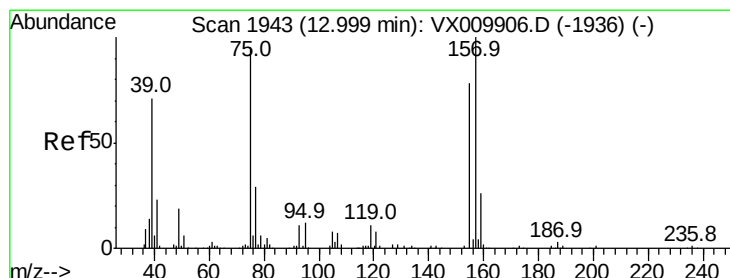
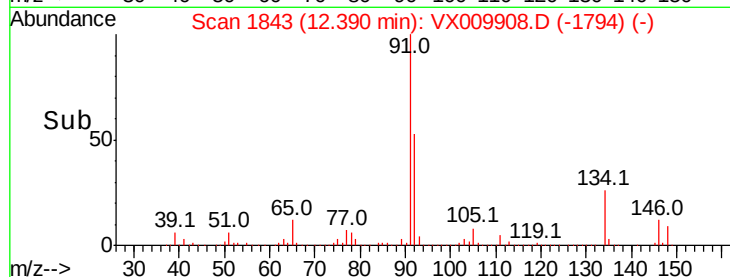
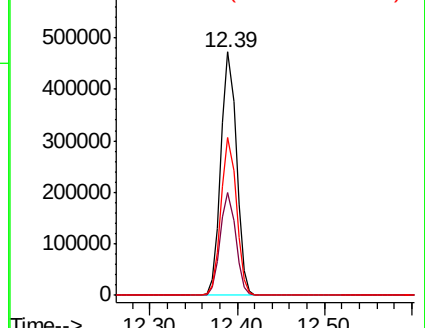
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Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 163.529 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX009908.D

Acq: 28 May 2019 11:54

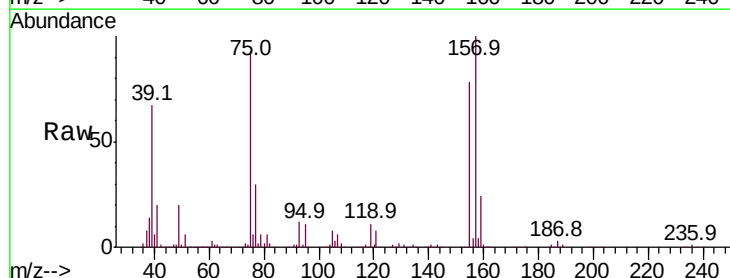
Tgt Ion: 75 Resp: 117756

Ion Ratio Lower Upper

75 100

155 81.5 39.3 117.8

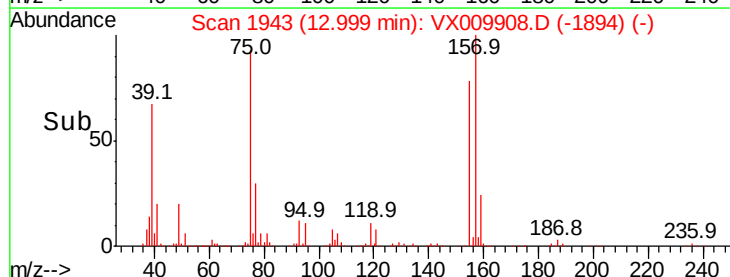
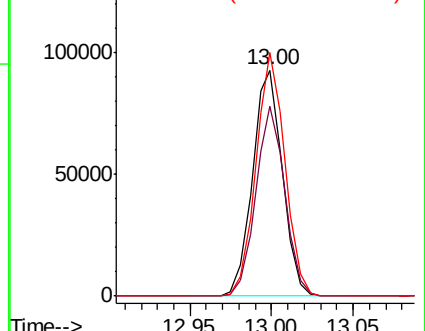
157 104.2 50.6 151.8

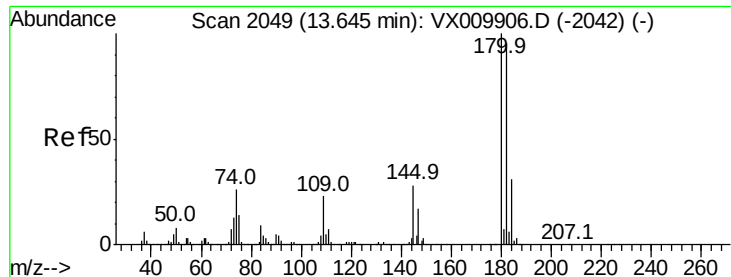


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





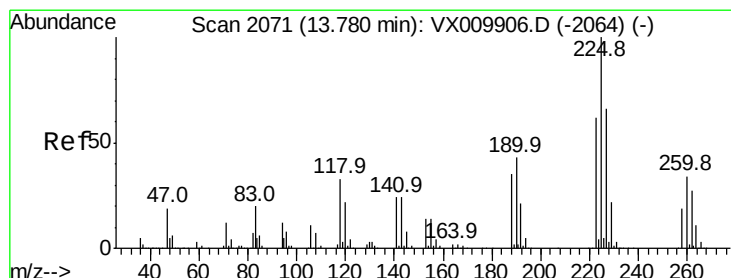
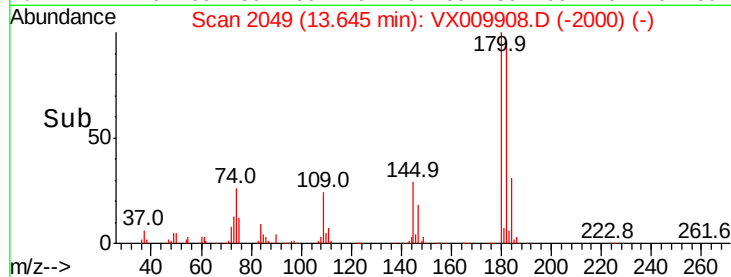
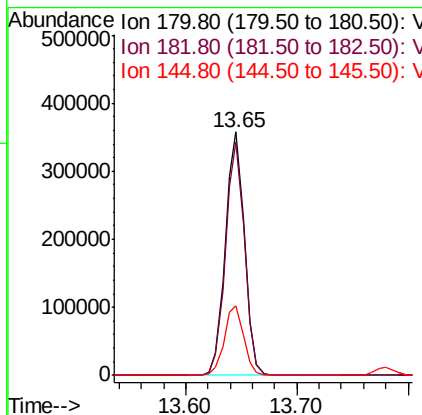
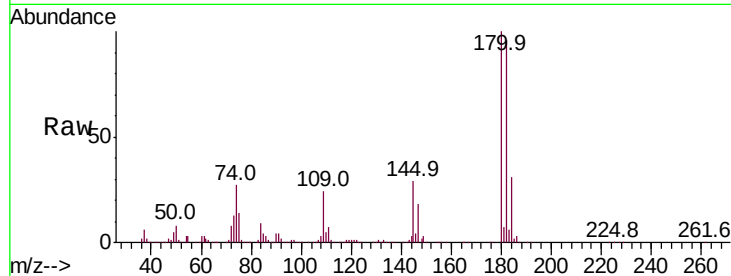
#93
 1,2,4-Trichlorobenzene
 Concen: 158.685 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009908.D
 Acq: 28 May 2019 11:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:	180	Resp:	422295
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.4	142.2
145	29.1	14.5	43.5

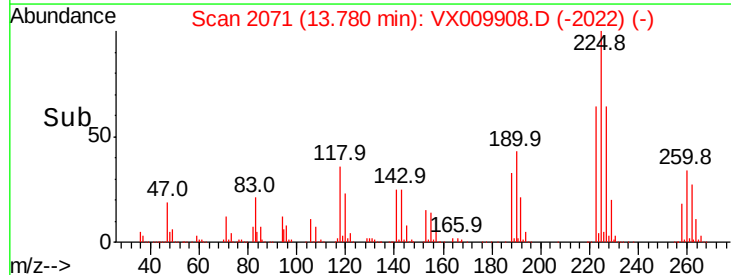
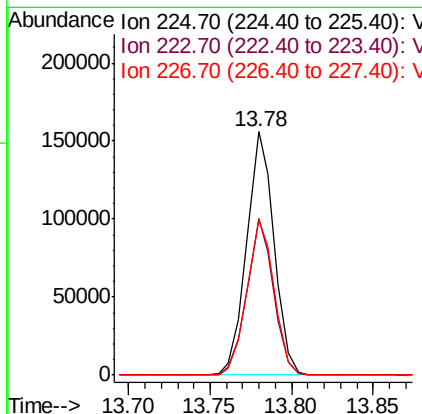
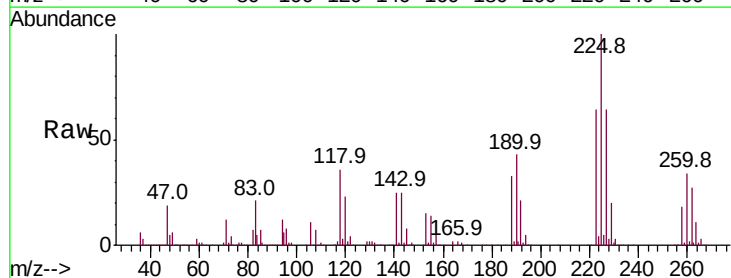
Manual Integrations
 APPROVED

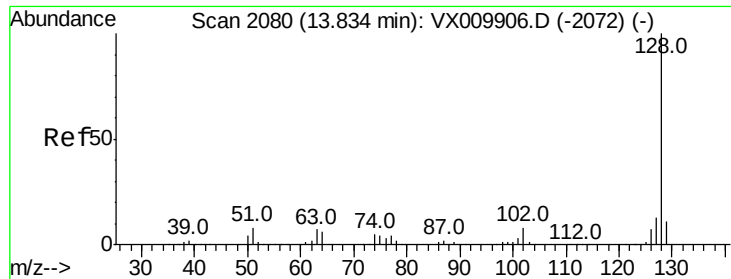
MMDadoda
 5/29/2019 9:24:58 AM



#94
 Hexachlorobutadiene
 Concen: 134.484 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009908.D
 Acq: 28 May 2019 11:54

Tgt Ion:	225	Resp:	183215
Ion Ratio	Lower	Upper	
225	100		
223	62.6	31.3	93.8
227	63.6	32.3	96.8





#95

Naphthalene

Concen: 159.847 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX009908.D

Acq: 28 May 2019 11:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 1373970

Ion Ratio Lower Upper

128 100

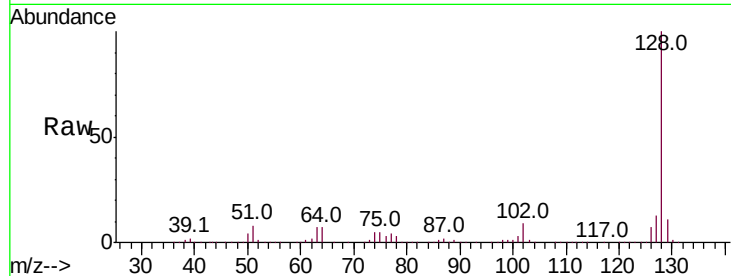
127 13.3 10.6 16.0

129 11.0 8.8 13.2

Manual Integrations
APPROVED

MMDadoda

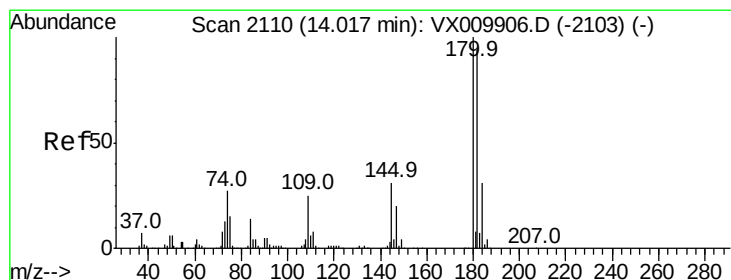
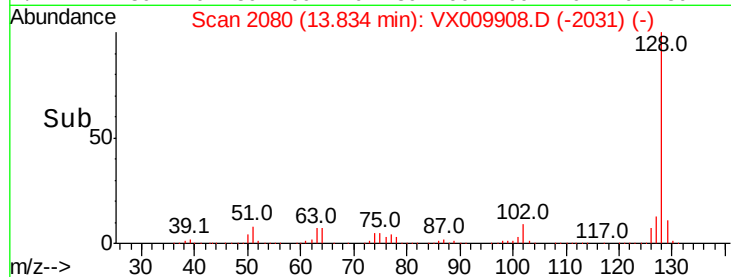
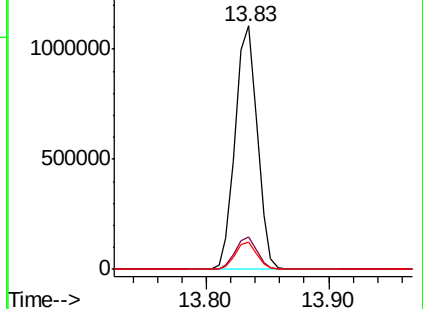
5/29/2019 9:24:58 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 156.821 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009908.D

Acq: 28 May 2019 11:54

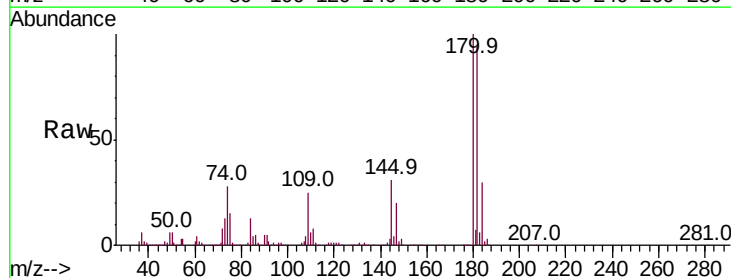
Tgt Ion:180 Resp: 422037

Ion Ratio Lower Upper

180 100

182 94.4 47.3 142.0

145 30.9 15.6 46.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

