

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071619\
 Data File : VX010904.D
 Acq On : 16 Jul 2019 11:39
 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
 7/17/2019 10:45:18 AM

Quant Time: Jul 17 04:37:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 04:02:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	224670	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	335336	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	319189	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	168827	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	354186	164.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	329.98%	
35) Dibromofluoromethane	5.50	113	317760	154.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	309.20%	
50) Toluene-d8	8.71	98	1188498	151.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	302.86%	
62) 4-Bromofluorobenzene	11.13	95	466059	163.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	326.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	358770	209.973	ug/l	98
3) Chloromethane	1.32	50	307410	164.260	ug/l	100
4) Vinyl Chloride	1.41	62	325791	159.404	ug/l	100
5) Bromomethane	1.64	94	164934	162.840	ug/l	99
6) Chloroethane	1.70	64	144796	119.043	ug/l	98
7) Trichlorofluoromethane	1.92	101	537504	165.851	ug/l	98
8) Diethyl Ether	2.19	74	173754	151.655	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	294252	151.621	ug/l	100
10) Methyl Iodide	2.50	142	429559	157.324	ug/l	100
11) Tert butyl alcohol	3.07	59	376690	684.490	ug/l	100
12) 1,1-Dichloroethene	2.37	96	298634	151.831	ug/l	98
13) Acrolein	2.29	56	235726	655.947	ug/l	98
14) Allyl chloride	2.72	41	441919	158.624	ug/l	99
15) Acrylonitrile	3.15	53	814189	744.825	ug/l	99
16) Acetone	2.45	43	737211	702.769	ug/l	97
17) Carbon Disulfide	2.56	76	816100	155.633	ug/l	99
18) Methyl Acetate	2.78	43	338949	158.592	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	964325	156.451	ug/l	98
20) Methylene Chloride	2.85	84	327561	149.806	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	309922	147.181	ug/l	99
22) Diisopropyl ether	3.86	45	912104	156.433	ug/l	88
23) Vinyl Acetate	3.82	43	4089975	813.123	ug/l	99
24) 1,1-Dichloroethane	3.70	63	521662	155.054	ug/l	100
25) 2-Butanone	4.68	43	1155734	748.372	ug/l	99
26) 2,2-Dichloropropane	4.58	77	449543	154.408	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	358106	148.095	ug/l	99
28) Bromochloromethane	5.02	49	239700	149.209	ug/l	99
29) Tetrahydrofuran	5.13	42	727367	756.495	ug/l	100
30) Chloroform	5.21	83	566446	156.275	ug/l	98
31) Cyclohexane	5.57	56	476078	154.889	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	517942	161.826	ug/l	100
36) 1,1-Dichloropropene	5.80	75	415633	154.804	ug/l	99
37) Ethyl Acetate	4.84	43	439158	159.427	ug/l	100
38) Carbon Tetrachloride	5.78	117	468365	162.538	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	539219	153.331	ug/l	99
40) Benzene	6.14	78	1239980	149.224	ug/l	100
41) Methacrylonitrile	5.05	41	237363	157.896	ug/l	97
42) 1,2-Dichloroethane	6.19	62	438371	170.840	ug/l	99
43) Isopropyl Acetate	6.45	43	729358	160.605	ug/l	99
44) Trichloroethene	7.21	130	364068	146.753	ug/l	95
45) 1,2-Dichloropropane	7.51	63	314077	149.541	ug/l	99
46) Dibromomethane	7.66	93	235276	156.035	ug/l	99
47) Bromodichloromethane	7.90	83	453803	165.054	ug/l	98
48) Methyl methacrylate	7.77	41	357605	168.920	ug/l	98
49) 1,4-Dioxane	7.74	88	174122	2858.970	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	2286553	783.992	ug/l	99
52) Toluene	8.79	92	823435	150.570	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	518373	168.547	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	539607	160.968	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	349181	155.215	ug/l	97
56) Ethyl methacrylate	9.18	69	550627	161.559	ug/l	100
57) 1,3-Dichloropropane	9.37	76	548106	156.314	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	1300233	806.026	ug/l	100
59) 2-Hexanone	9.49	43	1770430	771.244	ug/l	100
60) Dibromochloromethane	9.58	129	411029	164.251	ug/l	100
61) 1,2-Dibromoethane	9.67	107	385790	158.656	ug/l	100
64) Tetrachloroethene	9.34	164	332932	129.489	ug/l	98
65) Chlorobenzene	10.14	112	943709	145.934	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	365238	155.127	ug/l	99
67) Ethyl Benzene	10.25	91	1645827	149.912	ug/l	100
68) m/p-Xylenes	10.36	106	1262563	297.520	ug/l	100
69) o-Xylene	10.70	106	615816	147.384	ug/l	99
70) Styrene	10.71	104	1075395	153.526	ug/l	99
71) Bromoform	10.85	173	325572	161.742	ug/l #	99
73) Isopropylbenzene	11.02	105	1670687	146.264	ug/l	100
74) N-amyl acetate	10.90	43	684444	158.284	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	534164	141.369	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	439868m	143.251	ug/l	
77) Bromobenzene	11.26	156	450559	141.554	ug/l	98
78) n-propylbenzene	11.36	91	1892308	150.607	ug/l	99
79) 2-Chlorotoluene	11.42	91	1110291	148.185	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1407124	149.007	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	191209	149.912	ug/l	95
82) 4-Chlorotoluene	11.51	91	1303182	152.674	ug/l	99
83) tert-Butylbenzene	11.77	119	1386746	146.711	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1428427	150.809	ug/l	99
85) sec-Butylbenzene	11.94	105	1647846	148.465	ug/l	100
86) p-Isopropyltoluene	12.06	119	1539540	149.935	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	800597	143.853	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	806912	142.233	ug/l	99
89) n-Butylbenzene	12.39	91	1379396	157.833	ug/l	100
90) Hexachloroethane	12.60	117	274447	157.687	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	775559	140.130	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	126788	154.940	ug/l	100

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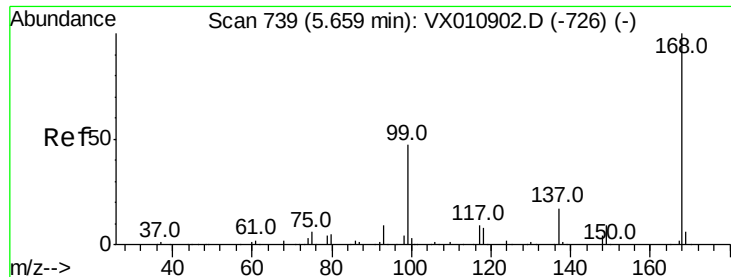
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	573701	150.004	ug/l	98
94) Hexachlorobutadiene	13.78	225	274112	146.909	ug/l	98
95) Naphthalene	13.83	128	1733770	148.474	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	566464	149.298	ug/l	99

(#) = 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. 0.01 min

Lab File: VX010904.D

Acq: 16 Jul 2019 11:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 224670

Ion Ratio Lower Upper

168 100

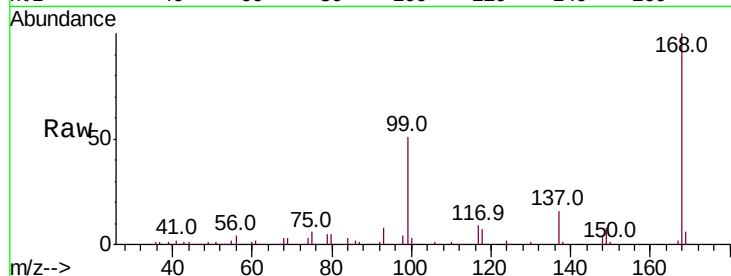
99 50.7 37.6 56.4

Manual Integrations

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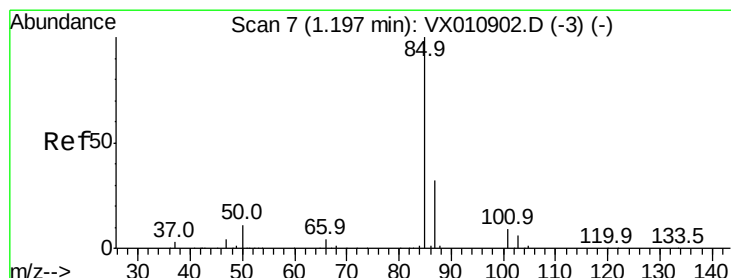
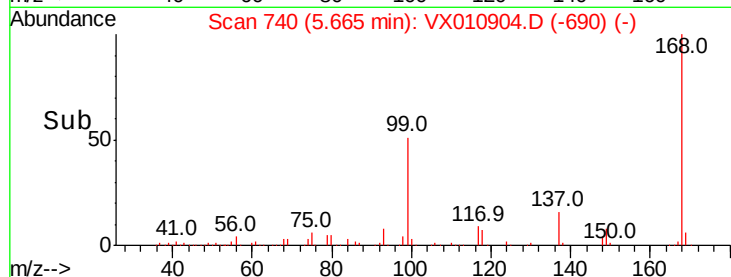
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 209.973 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010904.D

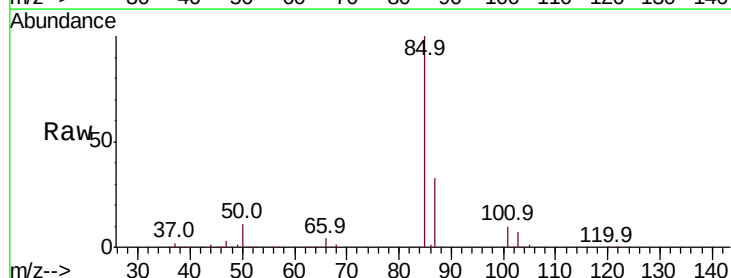
Acq: 16 Jul 2019 11:39

Tgt Ion: 85 Resp: 358770

Ion Ratio Lower Upper

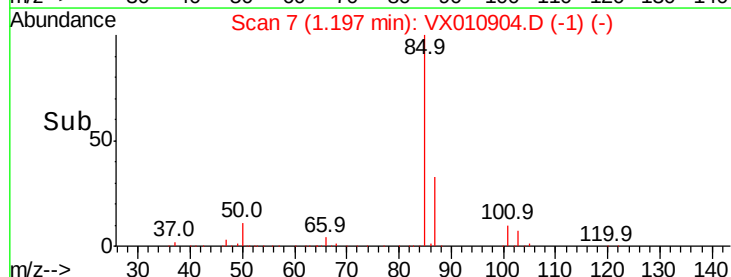
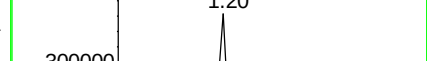
85 100

87 32.8 15.9 47.7

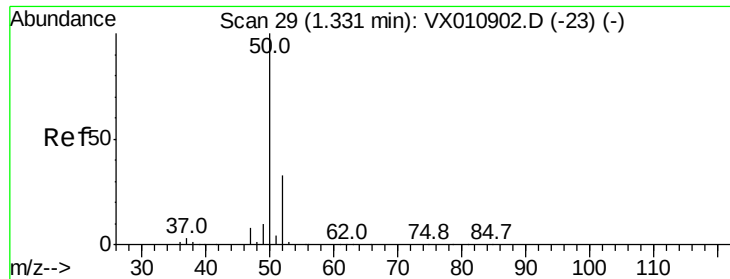


Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0



Time-->



#3

Chloromethane

Concen: 164.260 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX010904.D

Acq: 16 Jul 2019 11:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 307410

Ion Ratio Lower Upper

50 100

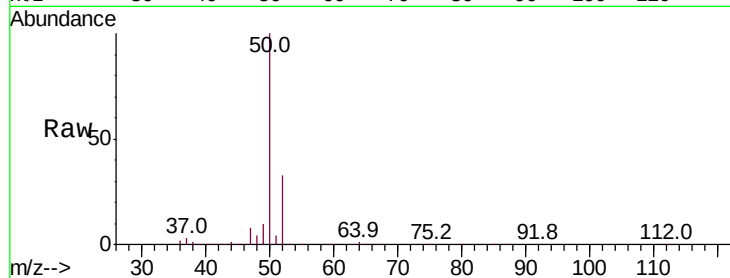
52 32.8 26.4 39.6

Manual Integrations

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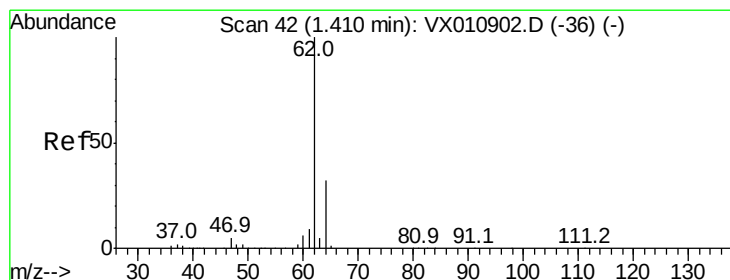
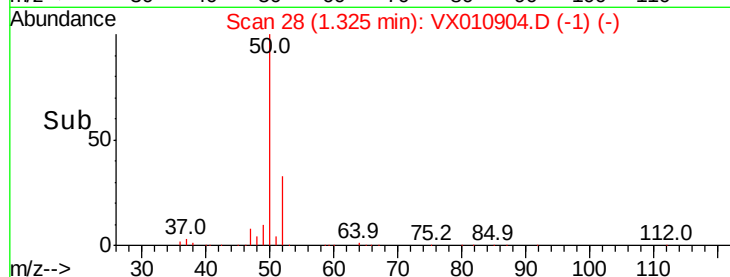
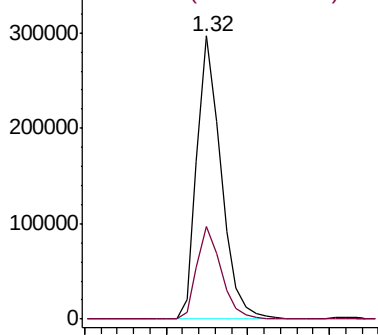
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 159.404 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010904.D

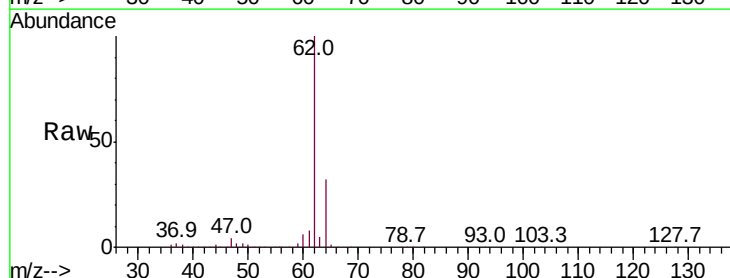
Acq: 16 Jul 2019 11:39

Tgt Ion: 62 Resp: 325791

Ion Ratio Lower Upper

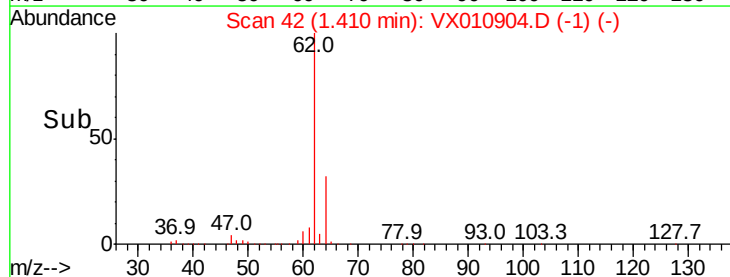
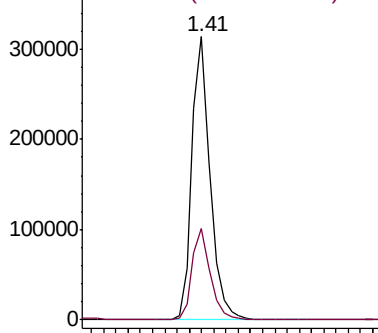
62 100

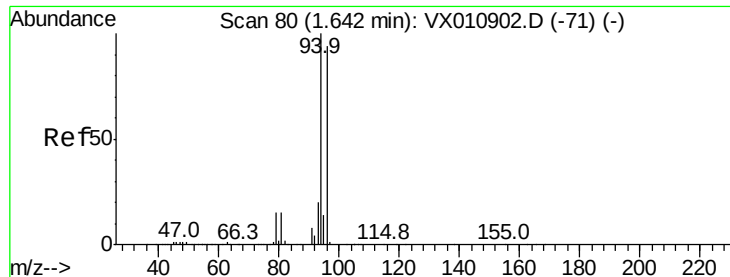
64 32.2 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 162.840 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX010904.D

Acq: 16 Jul 2019 11:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 164934

Ion Ratio Lower Upper

94 100

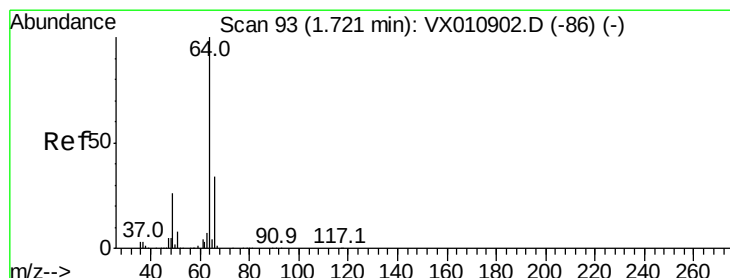
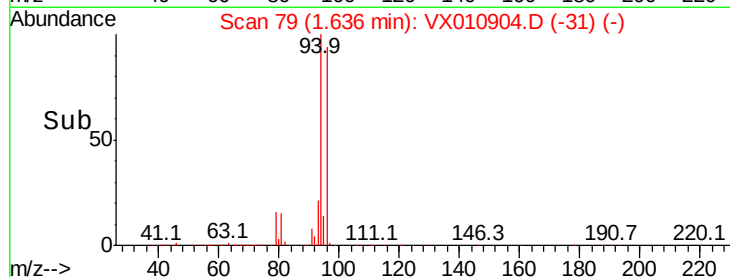
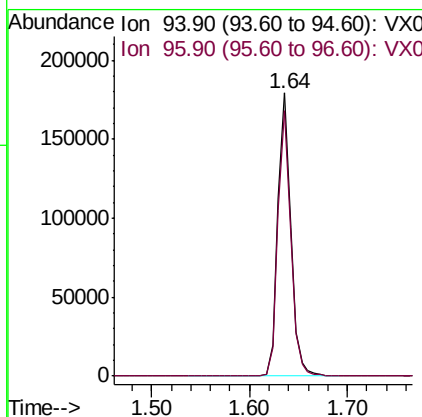
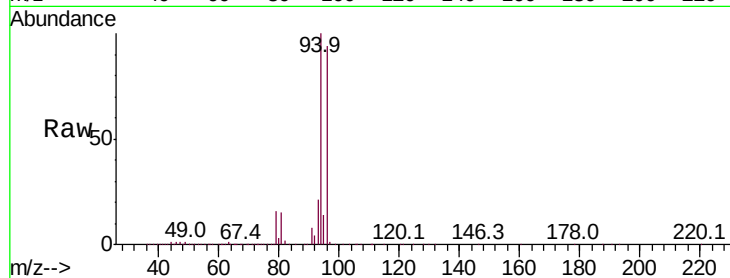
96 93.6 75.6 113.4

Manual Integrations

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#6

Chloroethane

Concen: 119.043 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.02 min

Lab File: VX010904.D

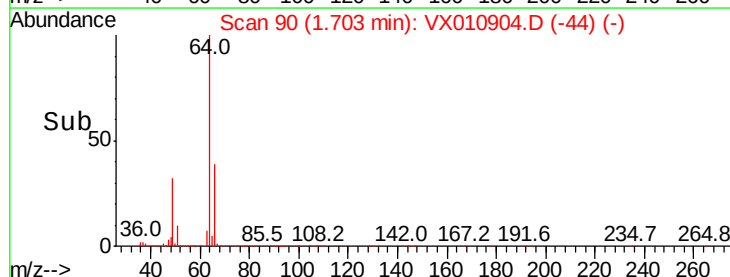
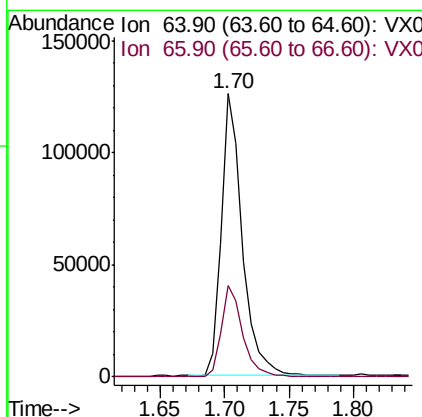
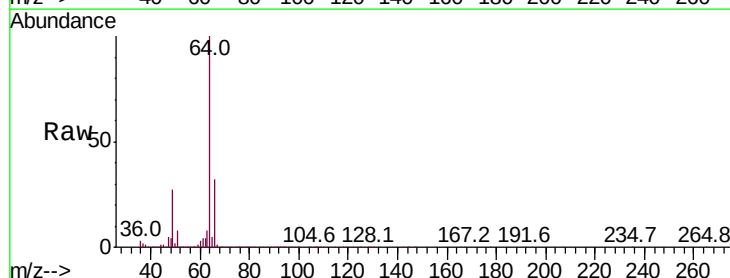
Acq: 16 Jul 2019 11:39

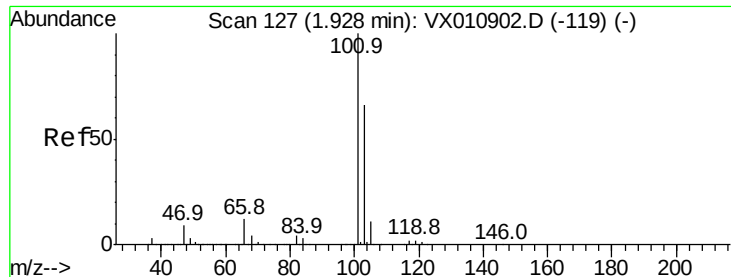
Tgt Ion: 64 Resp: 144796

Ion Ratio Lower Upper

64 100

66 32.4 27.0 40.6





#7

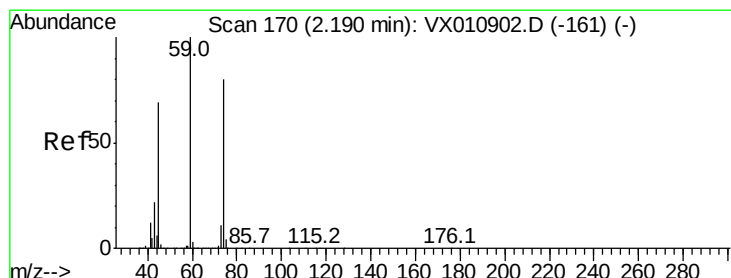
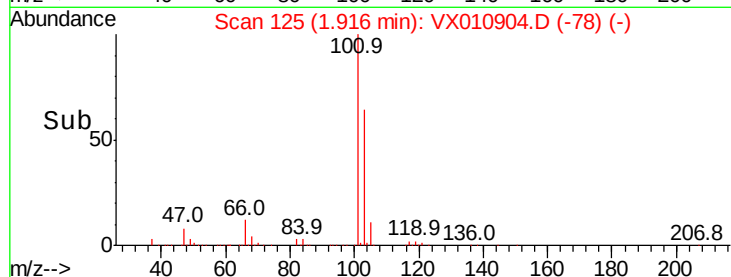
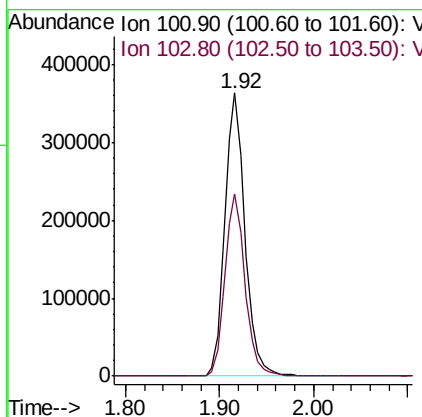
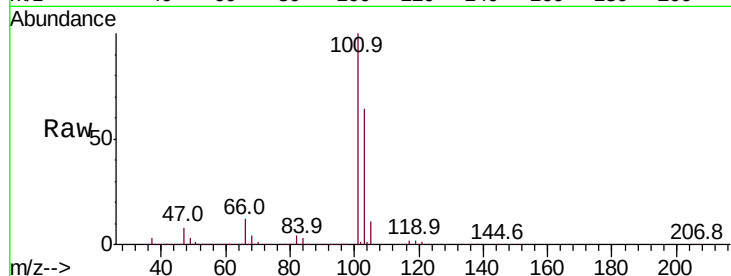
Trichlorofluoromethane
Concen: 165.851 ug/l
RT: 1.92 min Scan# 125
Delta R.T. -0.01 min
Lab File: VX010904.D
Acq: 16 Jul 2019 11:39

Instrument :
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ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.6	78.8

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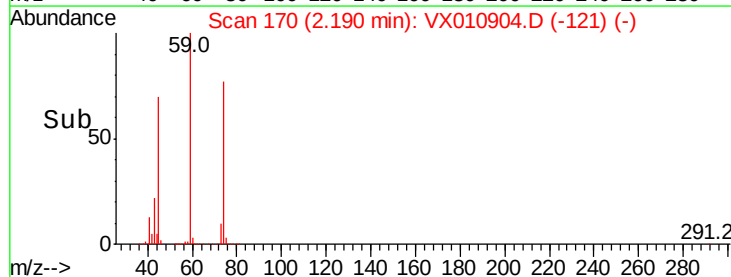
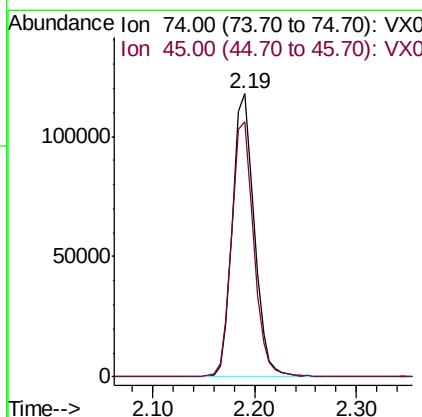
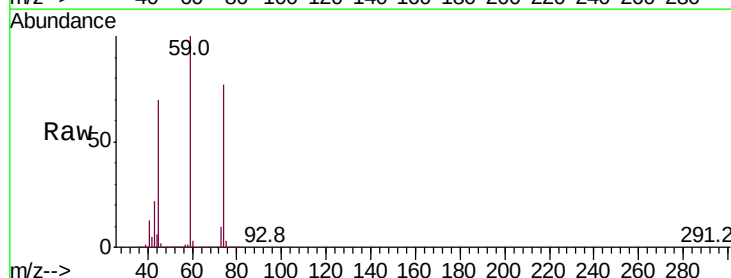
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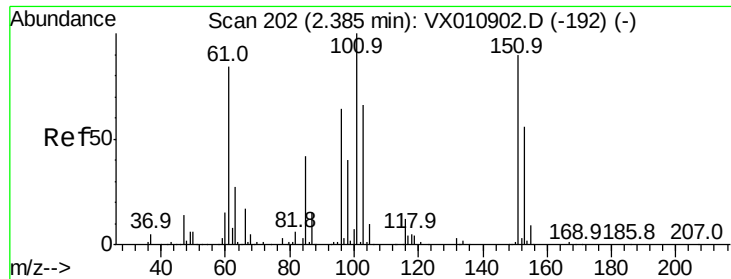


#8

Diethyl Ether
Concen: 151.655 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010904.D
Acq: 16 Jul 2019 11:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.4	45.5	136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 151.621 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX010904.D

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Instrument :

MSVOA_X

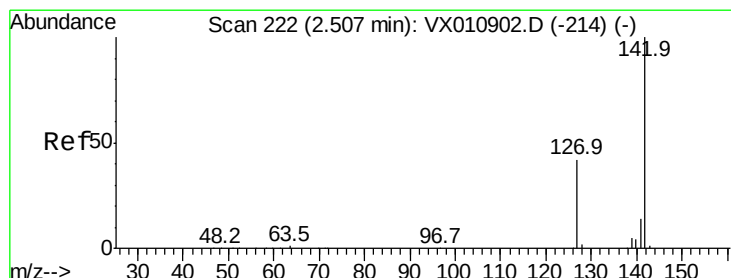
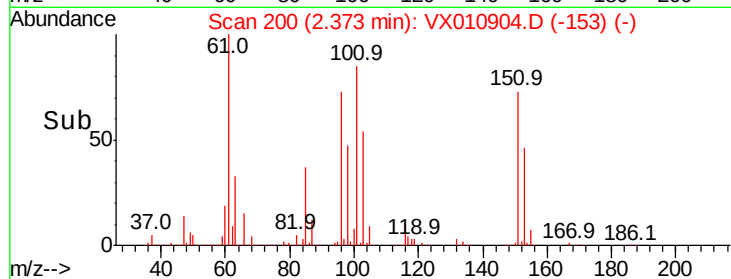
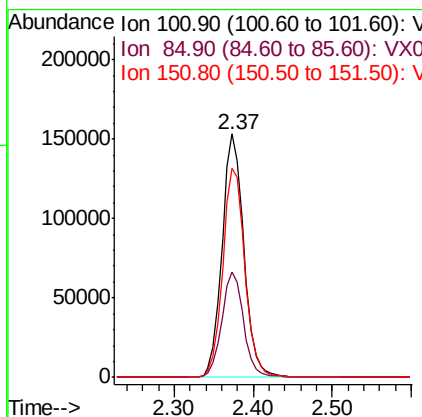
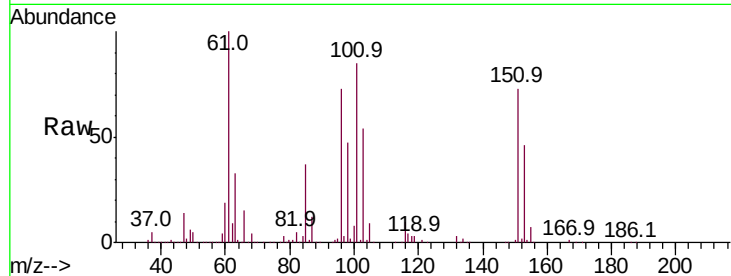
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	294252
Ion Ratio	Lower	Upper	
101	100		
85	43.2	34.6	52.0
151	87.3	69.6	104.4

Manual Integrations
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MMDadoda
7/17/2019 10:45:18 AM



#10

Methyl Iodide

Concen: 157.324 ug/l

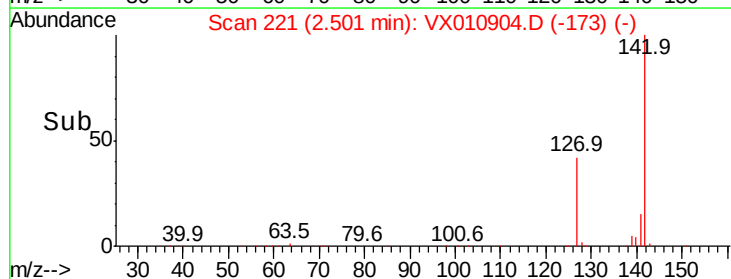
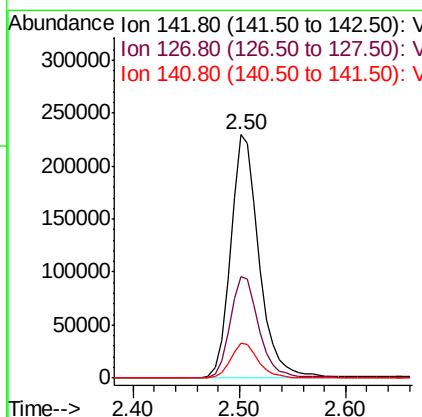
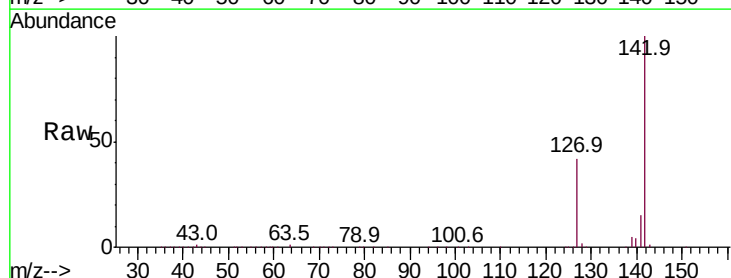
RT: 2.50 min Scan# 221

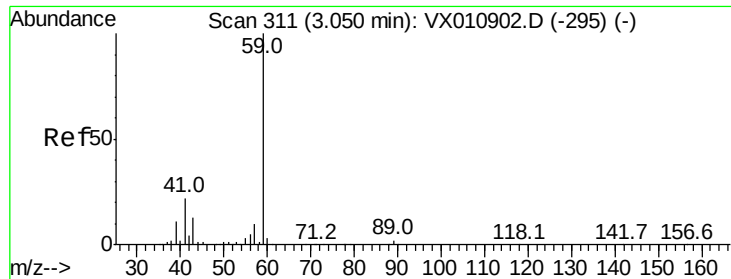
Delta R.T. -0.01 min

Lab File: VX010904.D

Acq: 16 Jul 2019 11:39

Tgt Ion:	142	Resp:	429559
Ion Ratio	Lower	Upper	
142	100		
127	43.0	34.2	51.4
141	14.5	11.7	17.5





#11

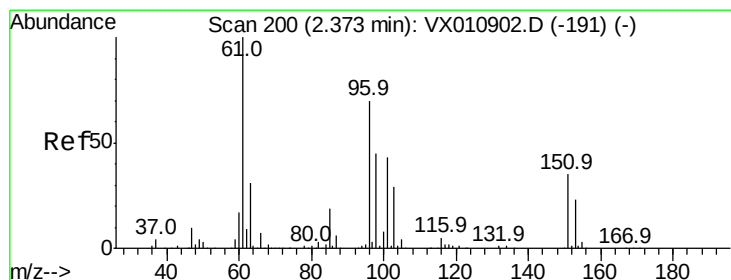
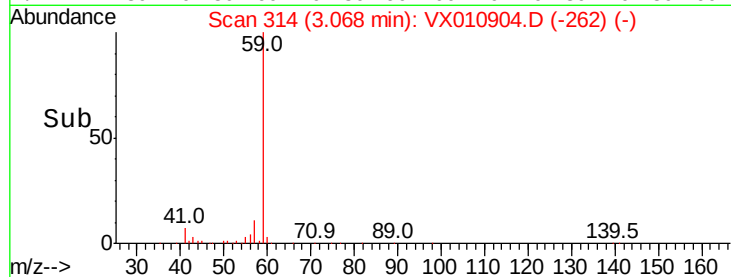
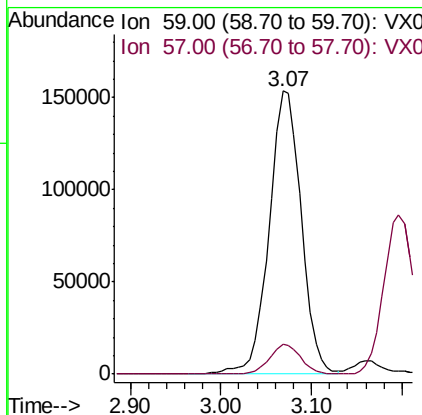
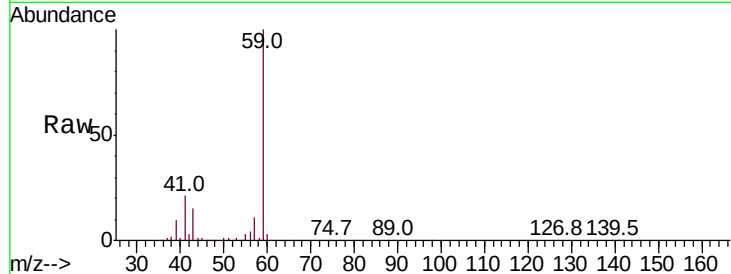
Tert butyl alcohol
Concen: 684.490 ug/l
RT: 3.07 min Scan# 314
Delta R.T. 0.02 min
Lab File: VX010904.D
Acq: 16 Jul 2019 11:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	7.9	11.9

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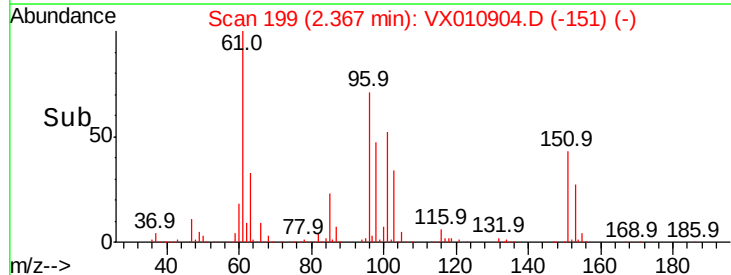
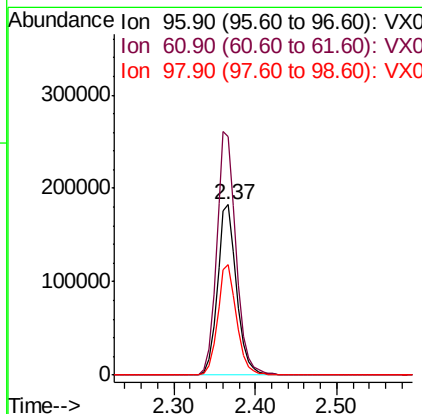
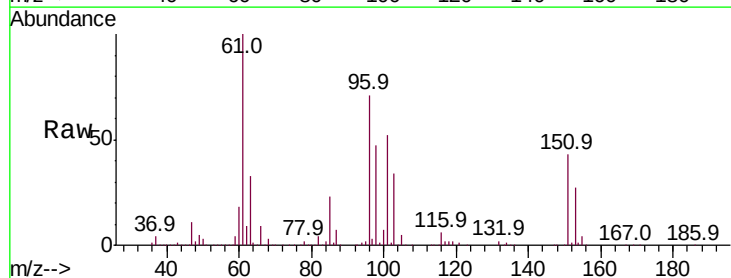
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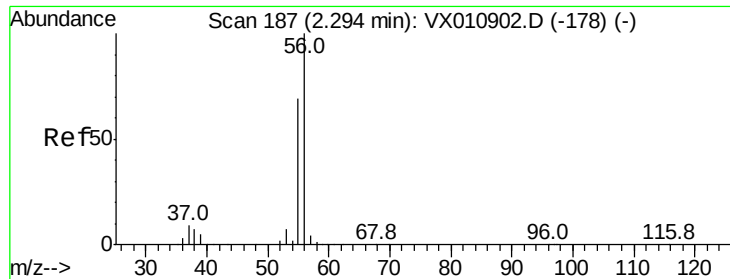


#12

1,1-Dichloroethene
Concen: 151.831 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX010904.D
Acq: 16 Jul 2019 11:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.9	115.0	172.4
98	65.2	52.2	78.2





#13

Acrolein

Concen: 655.947 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010904.D

Acq: 16 Jul 2019 11:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 235726

Ion Ratio Lower Upper

56 100

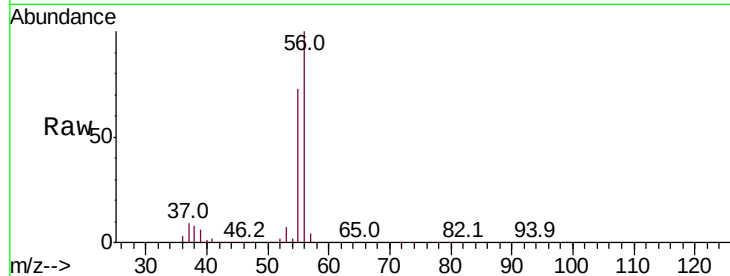
55 71.3 55.9 83.9

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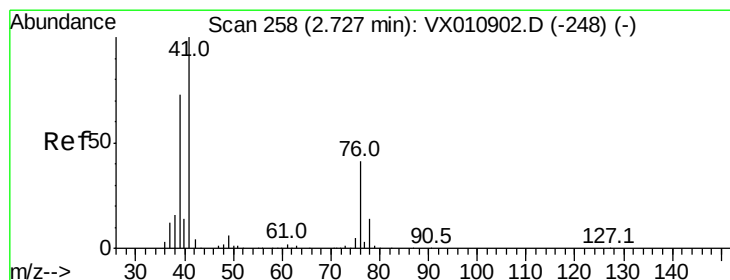
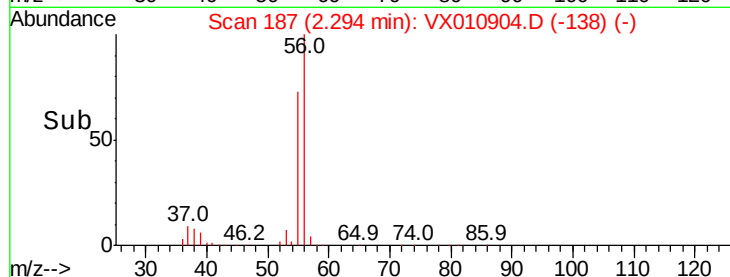
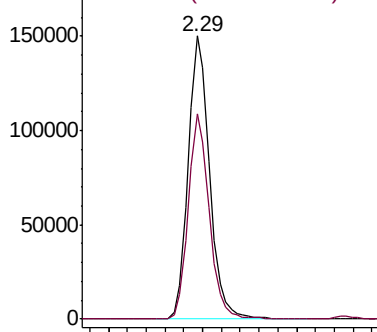
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 158.624 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX010904.D

Acq: 16 Jul 2019 11:39

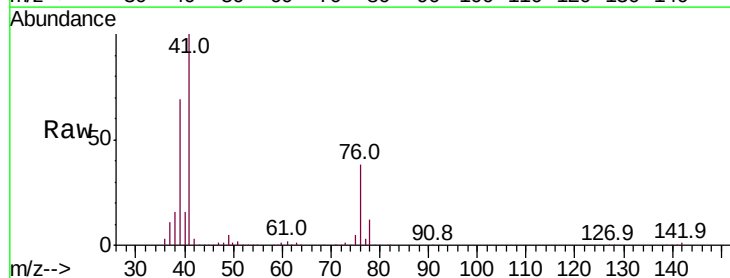
Tgt Ion: 41 Resp: 441919

Ion Ratio Lower Upper

41 100

39 67.9 53.6 80.4

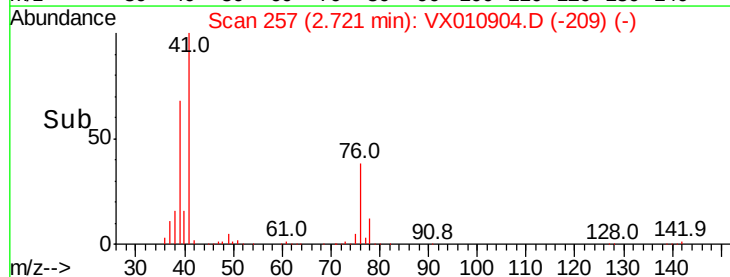
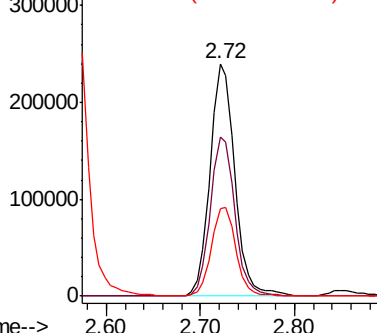
76 37.7 29.7 44.5

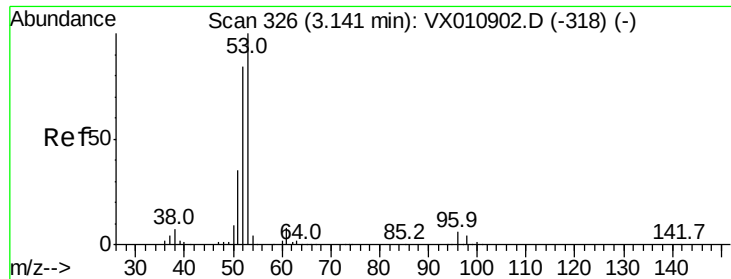


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 744.825 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX010904.D

Acq: 16 Jul 2019 11:39

Instrument :

MSVOA_X

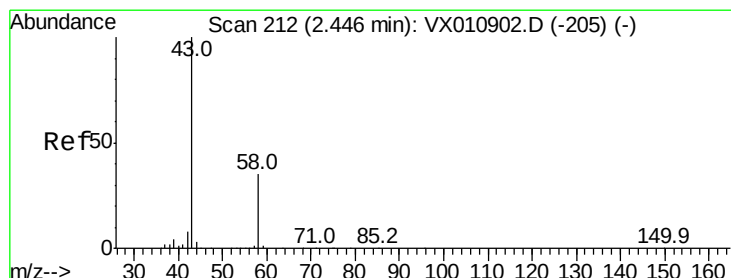
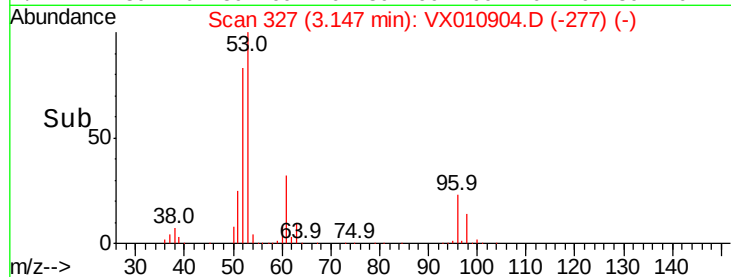
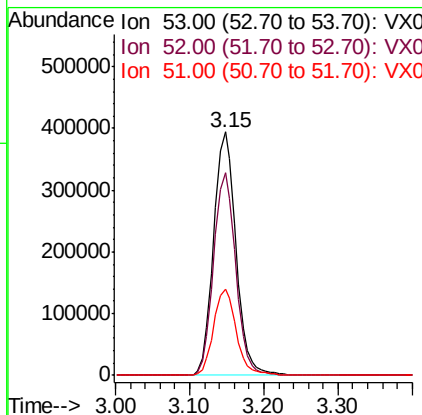
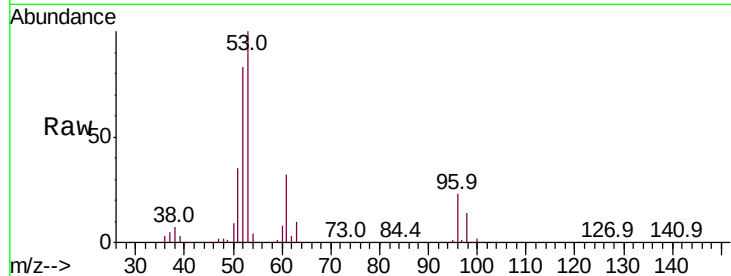
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	814189
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.5	99.7
51	36.1	28.2	42.4

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#16

Acetone

Concen: 702.769 ug/l

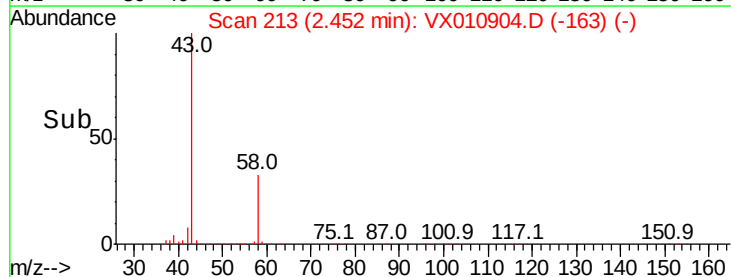
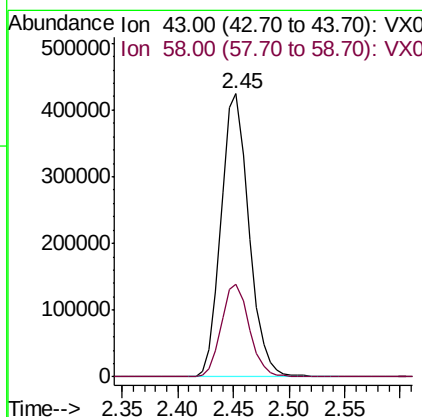
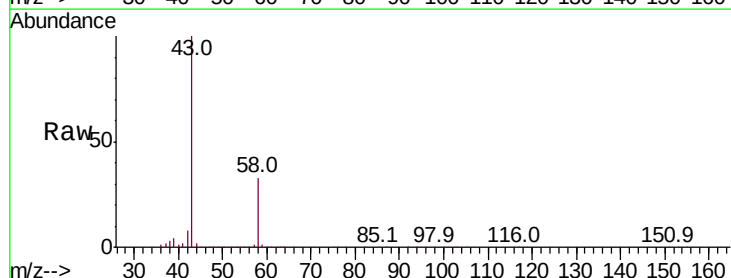
RT: 2.45 min Scan# 213

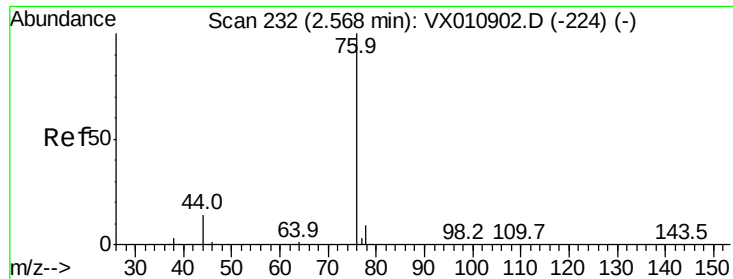
Delta R.T. 0.01 min

Lab File: VX010904.D

Acq: 16 Jul 2019 11:39

Tgt Ion:	43	Resp:	737211
Ion	Ratio	Lower	Upper
43	100		
58	32.8	27.7	41.5





#17

Carbon Disulfide

Concen: 155.633 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX010904.D

Acq: 16 Jul 2019 11:39

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 76 Resp: 816100

Ion Ratio Lower Upper

76 100

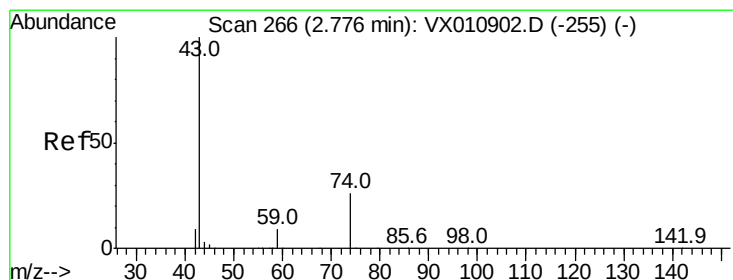
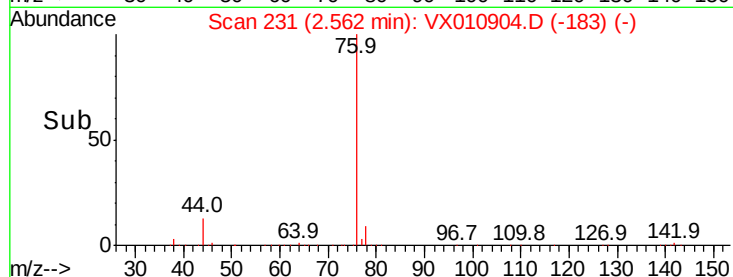
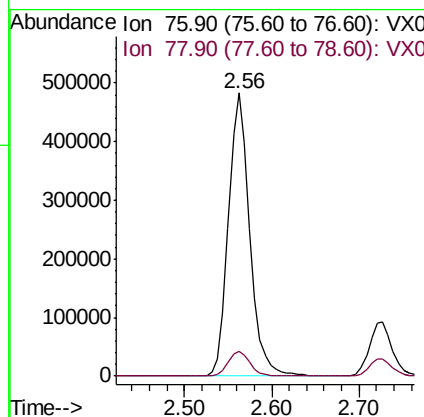
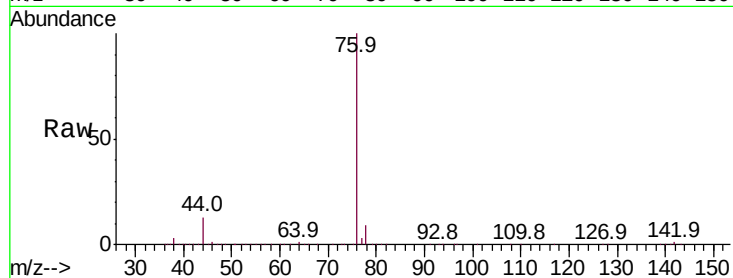
78 9.0 7.4 11.0

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#18

Methyl Acetate

Concen: 158.592 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX010904.D

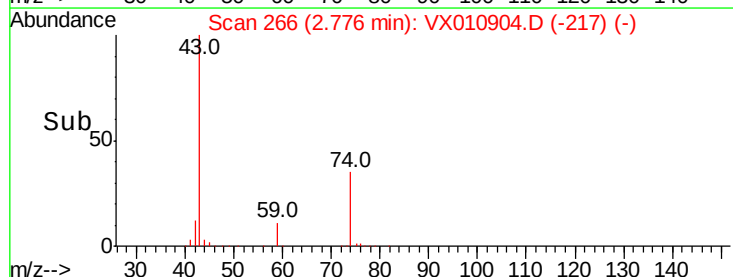
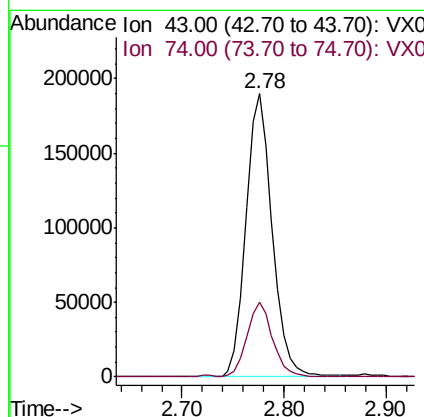
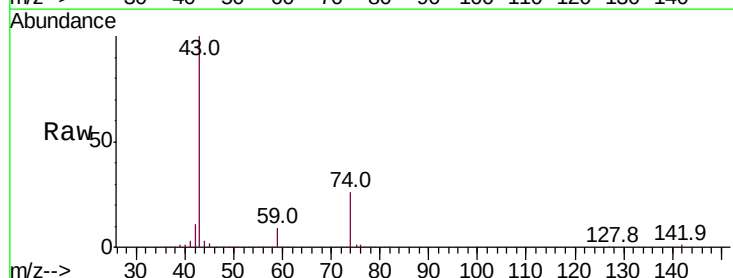
Acq: 16 Jul 2019 11:39

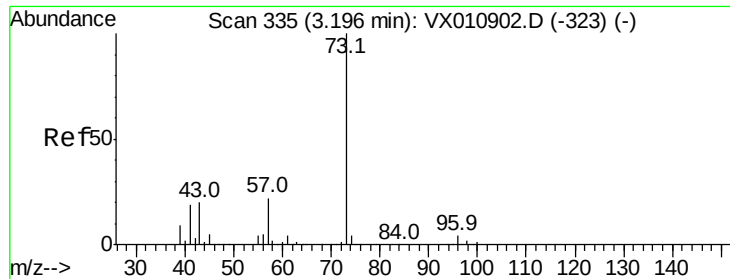
Tgt Ion: 43 Resp: 338949

Ion Ratio Lower Upper

43 100

74 25.7 21.5 32.3





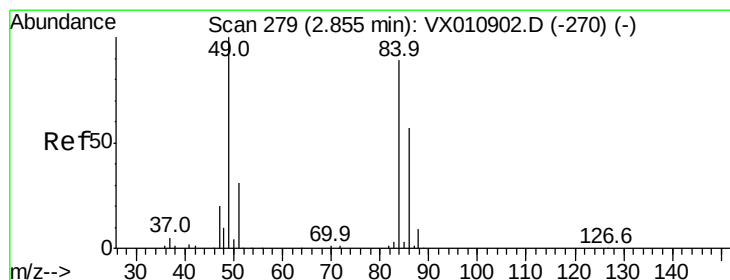
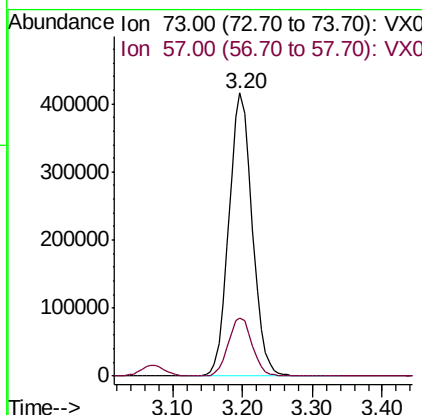
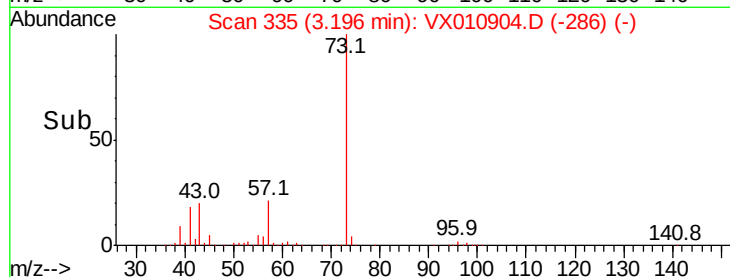
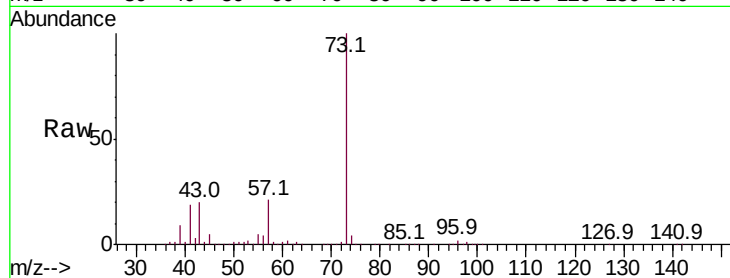
#19
Methyl tert-butyl Ether
Concen: 156.451 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010904.D
Acq: 16 Jul 2019 11:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.7	17.3	25.9

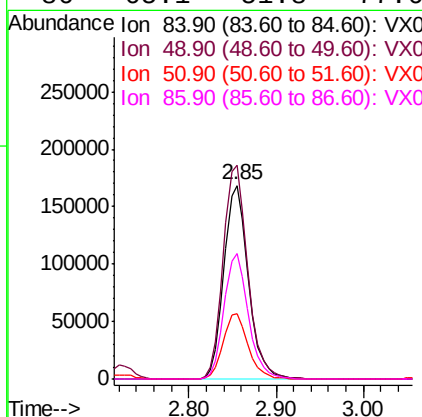
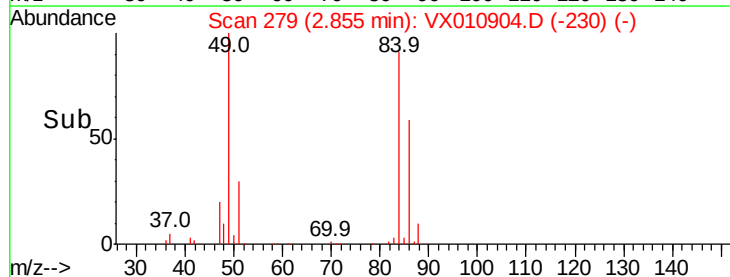
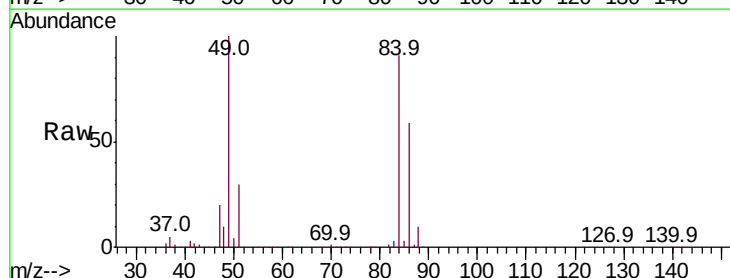
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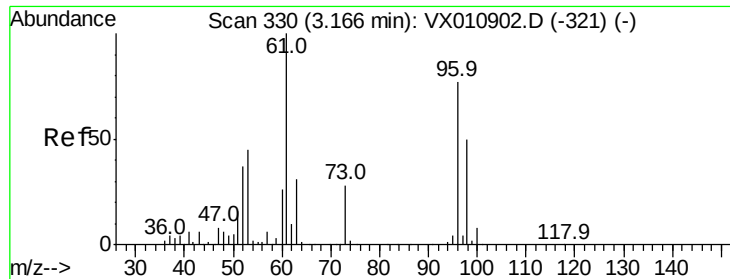
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#20
Methylene Chloride
Concen: 149.806 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010904.D
Acq: 16 Jul 2019 11:39

Tgt Ion	Ratio	Lower	Upper
84	100		
49	110.3	89.9	134.9
51	33.5	27.8	41.6
86	65.1	51.8	77.6





#21

trans-1,2-Dichloroethene

Concen: 147.181 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX010904.D

Acq: 16 Jul 2019 11:39

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 96 Resp: 309922

Ion Ratio Lower Upper

96 100

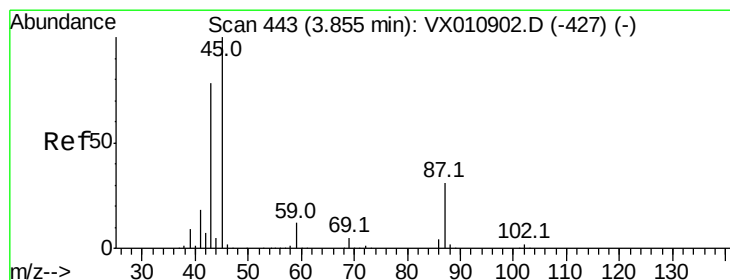
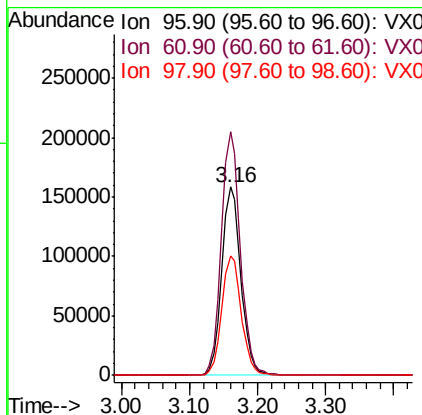
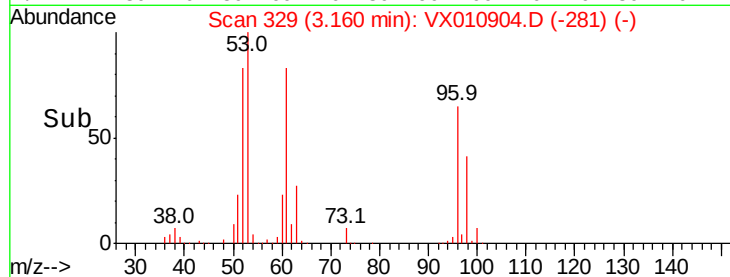
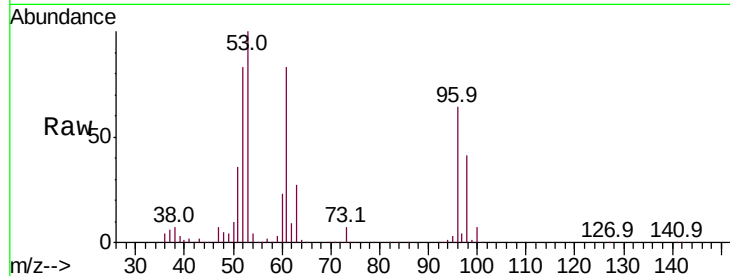
61 129.1 104.2 156.2

98 63.6 52.2 78.4

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#22

Diisopropyl ether

Concen: 156.433 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX010904.D

Acq: 16 Jul 2019 11:39

Tgt Ion: 45 Resp: 912104

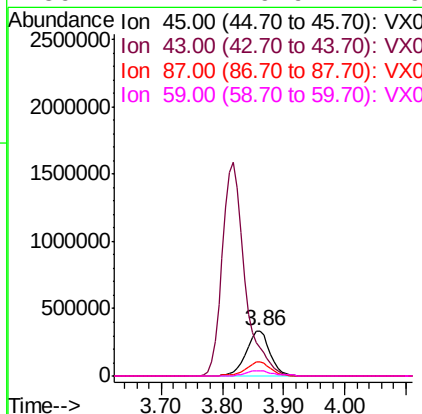
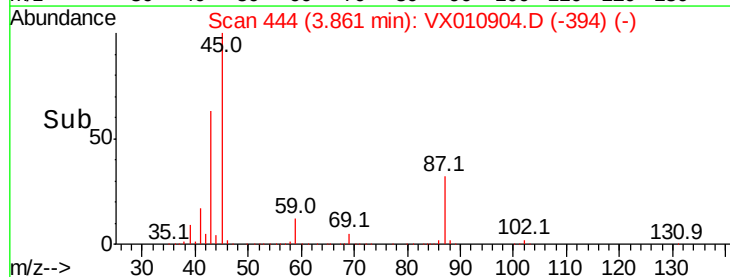
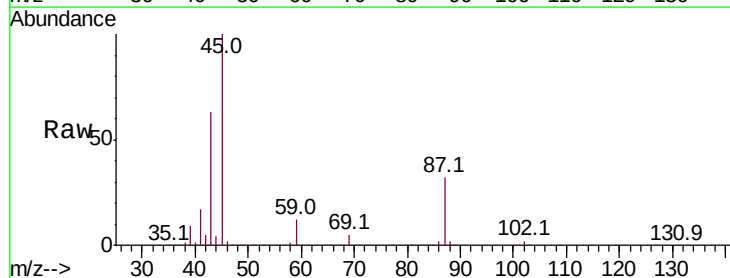
Ion Ratio Lower Upper

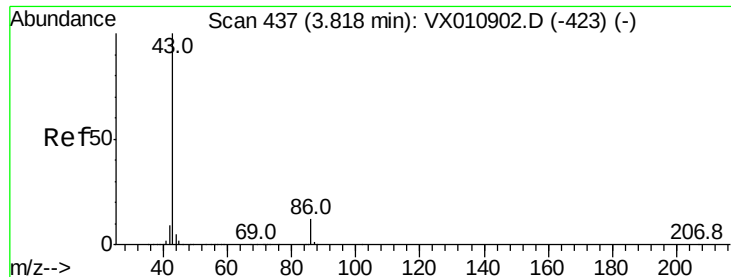
45 100

43 62.6 62.3 93.5

87 31.7 25.0 37.4

59 12.2 9.9 14.9





#23

Vinyl Acetate

Concen: 813.123 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX010904.D

Acq: 16 Jul 2019 11:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 4089975

Ion Ratio Lower Upper

43 100

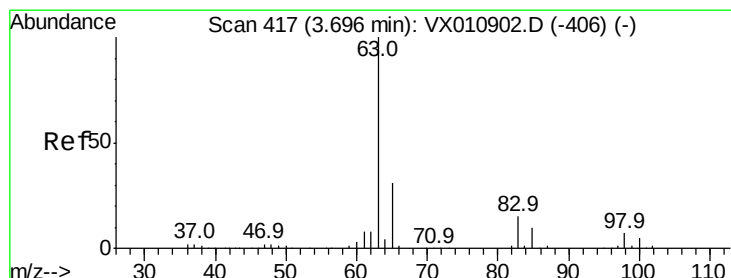
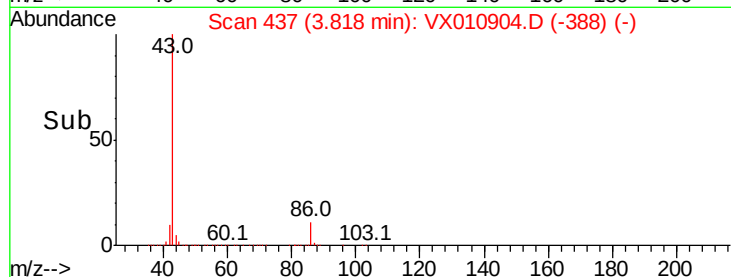
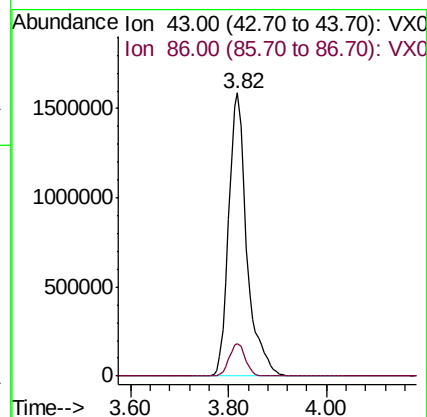
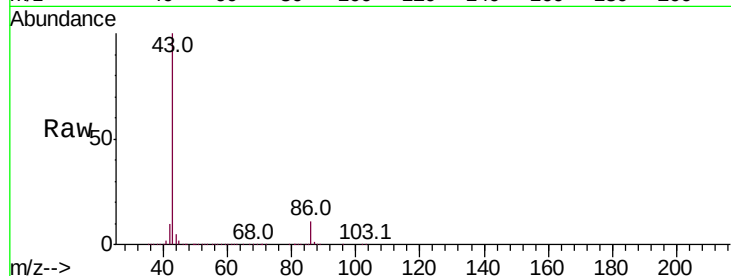
86 11.4 9.4 14.0

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#24

1,1-Dichloroethane

Concen: 155.054 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010904.D

Acq: 16 Jul 2019 11:39

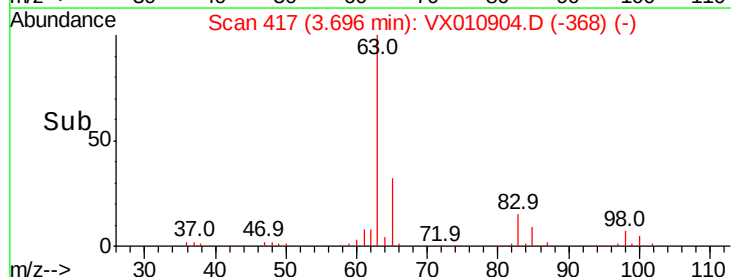
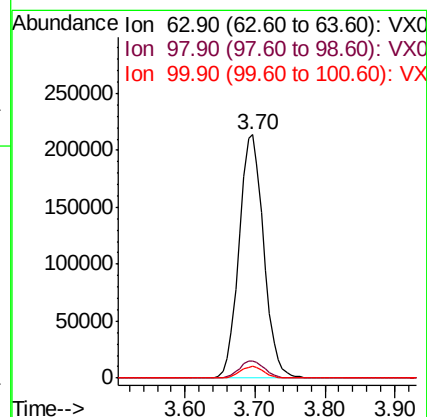
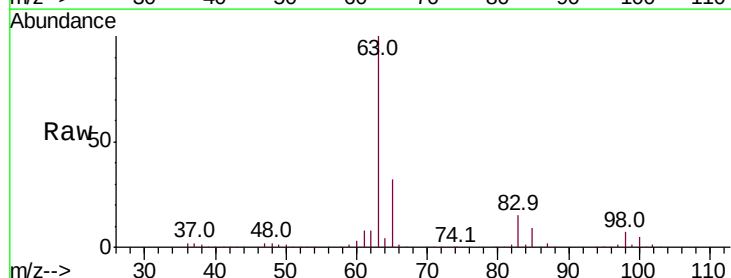
Tgt Ion: 63 Resp: 521662

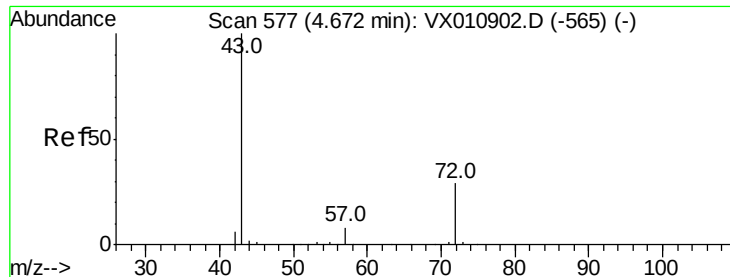
Ion Ratio Lower Upper

63 100

98 7.2 3.6 10.9

100 4.7 2.4 7.2





#25

2-Butanone

Concen: 748.372 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX010904.D

Acq: 16 Jul 2019 11:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1155734

Ion Ratio Lower Upper

43 100

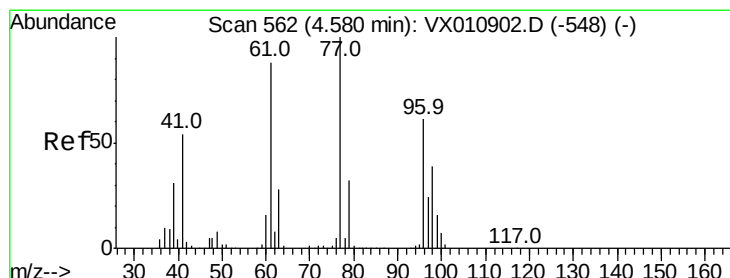
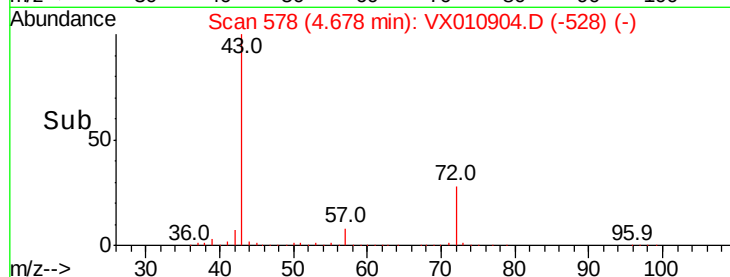
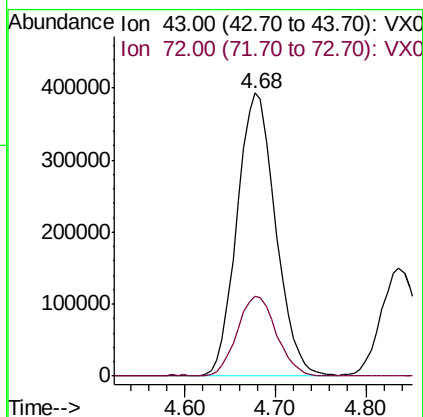
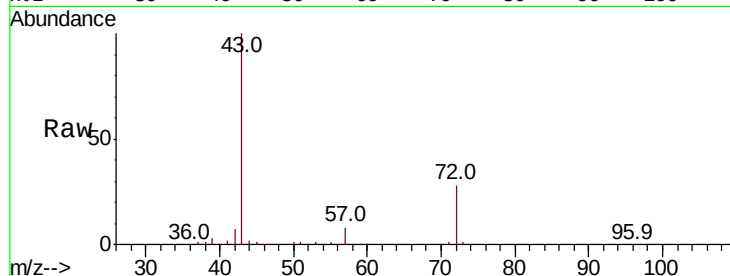
72 28.3 23.0 34.6

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#26

2,2-Dichloropropane

Concen: 154.408 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX010904.D

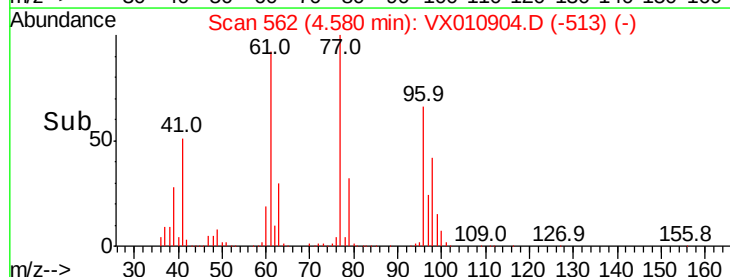
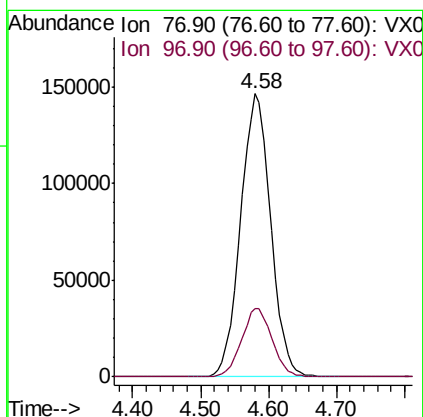
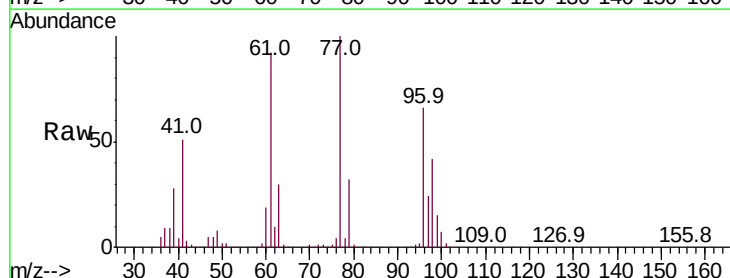
Acq: 16 Jul 2019 11:39

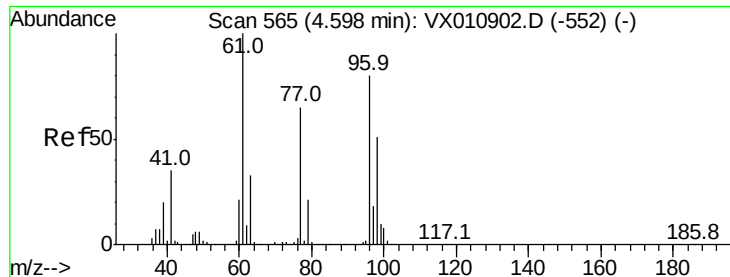
Tgt Ion: 77 Resp: 449543

Ion Ratio Lower Upper

77 100

97 24.6 12.6 37.6





#27

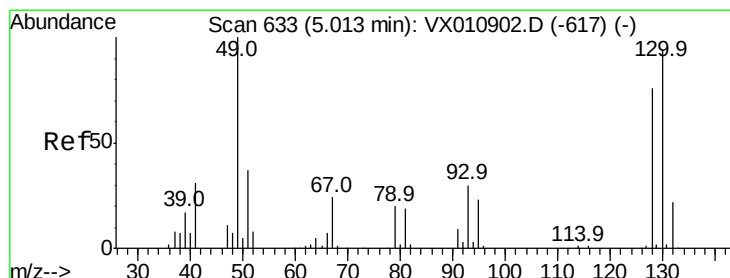
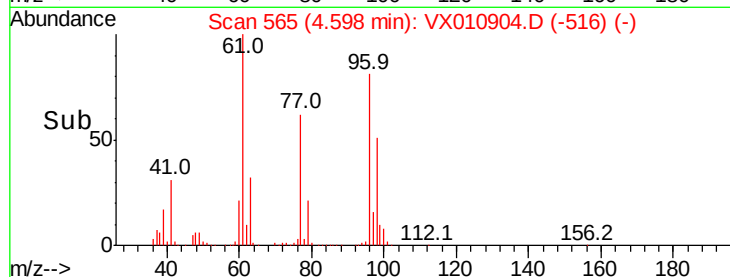
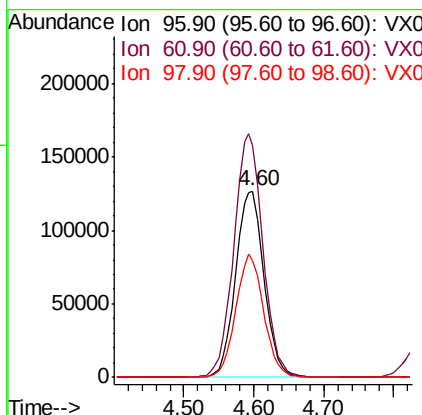
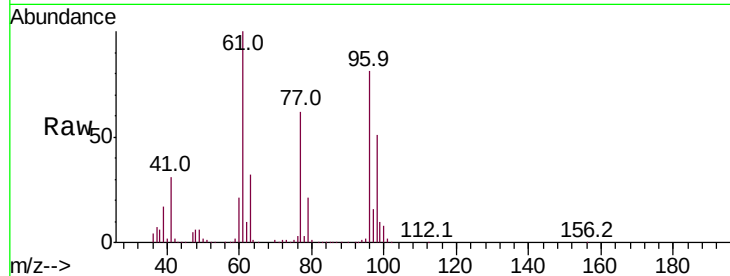
cis-1,2-Dichloroethene
Concen: 148.095 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX010904.D
Acq: 16 Jul 2019 11:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	133.9	0.0	269.0	
98	64.8	0.0	131.4	

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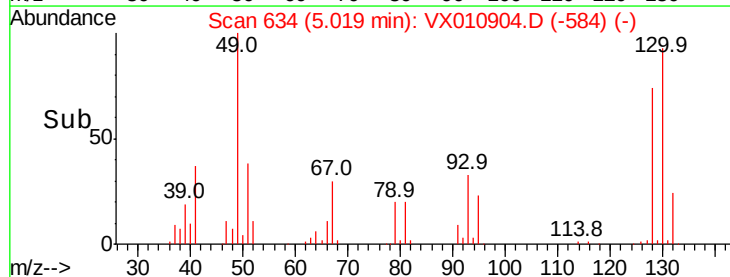
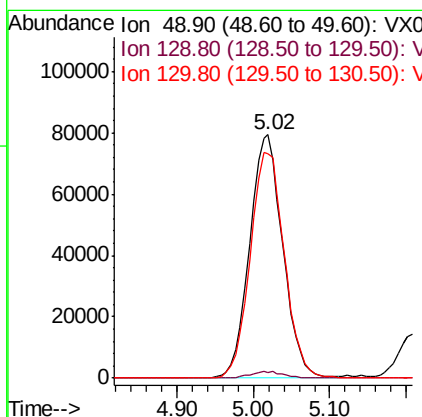
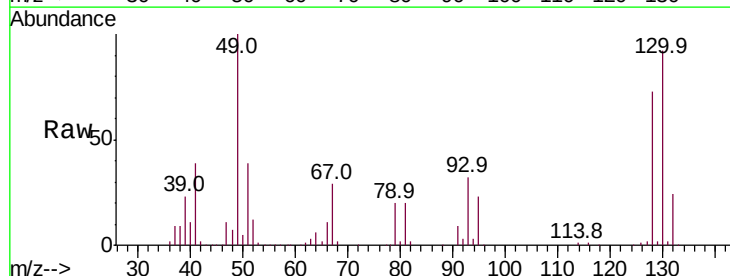
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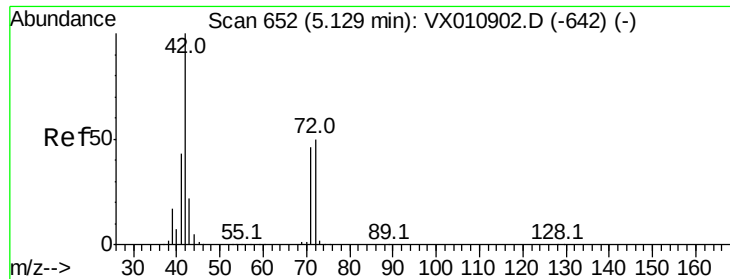


#28

Bromochloromethane
Concen: 149.209 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX010904.D
Acq: 16 Jul 2019 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.6	0.0	5.2	
130	95.2	76.9	115.3	





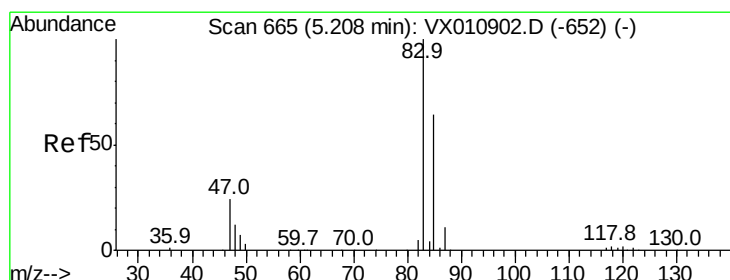
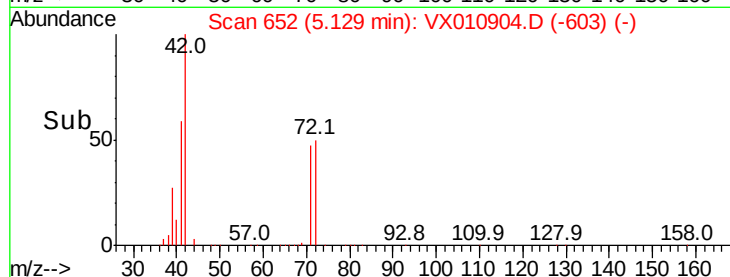
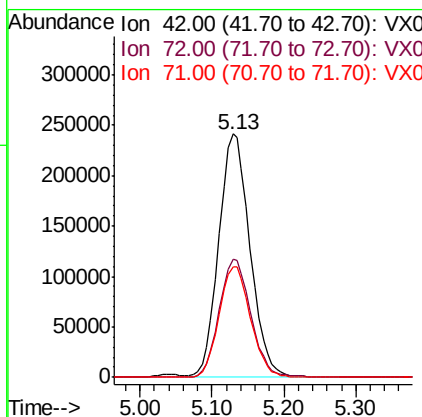
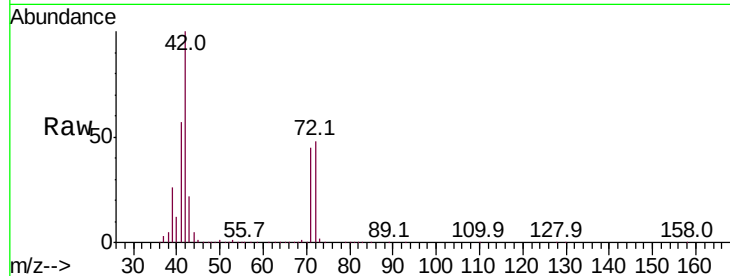
#29
Tetrahydrofuran
Concen: 756.495 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX010904.D
Acq: 16 Jul 2019 11:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.5	39.8	59.8
71	46.0	37.0	55.4

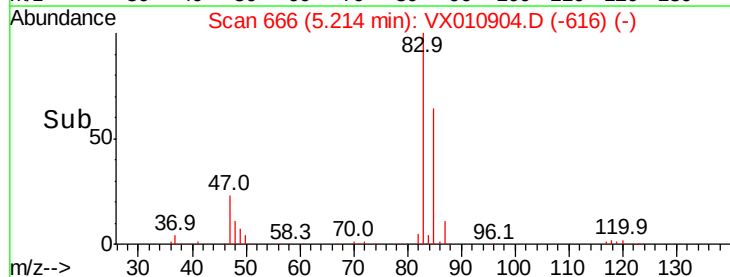
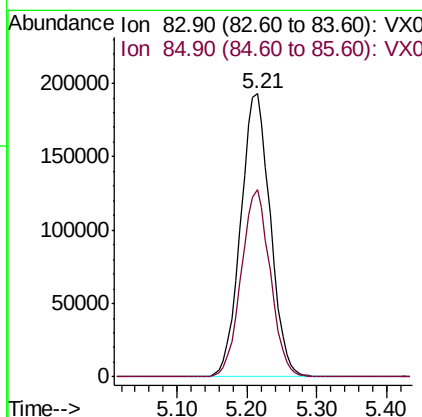
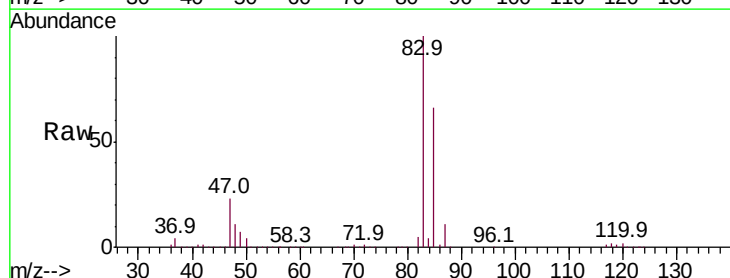
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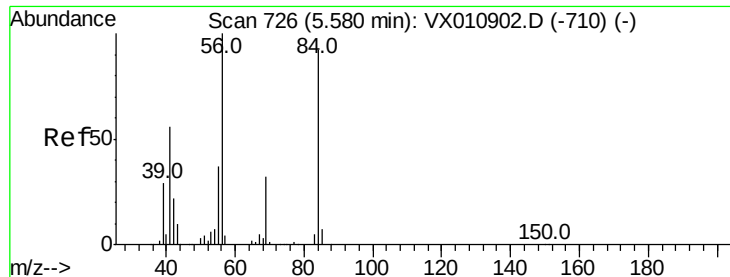
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#30
Chloroform
Concen: 156.275 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX010904.D
Acq: 16 Jul 2019 11:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.4	77.0





#31

Cyclohexane

Concen: 154.889 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX010904.D

Acq: 16 Jul 2019 11:39

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 56 Resp: 476078

Ion Ratio Lower Upper

56 100

69 31.0 25.8 38.8

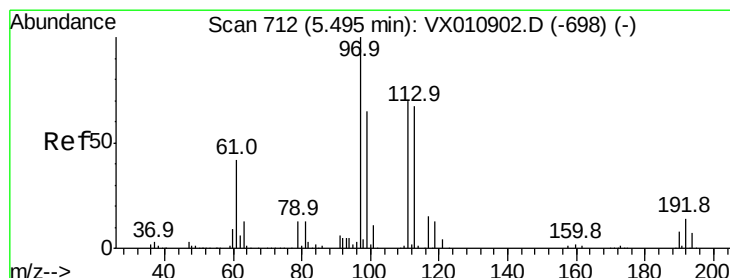
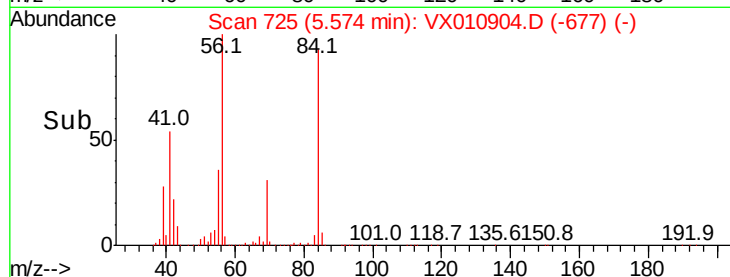
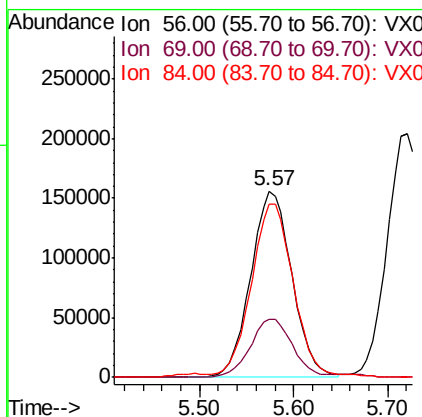
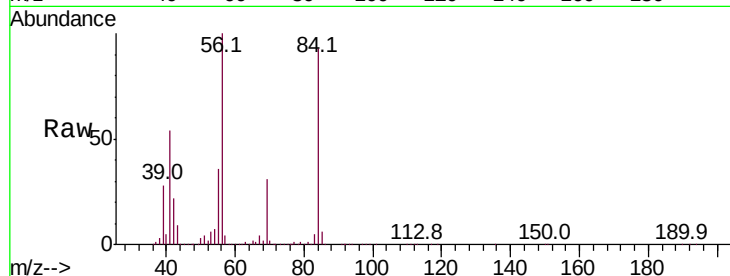
84 91.1 73.8 110.6

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#32

1,1,1-Trichloroethane

Concen: 161.826 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX010904.D

Acq: 16 Jul 2019 11:39

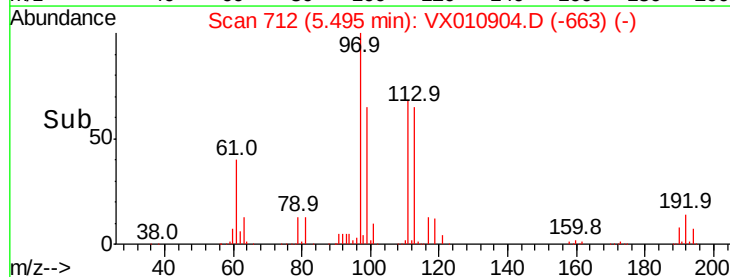
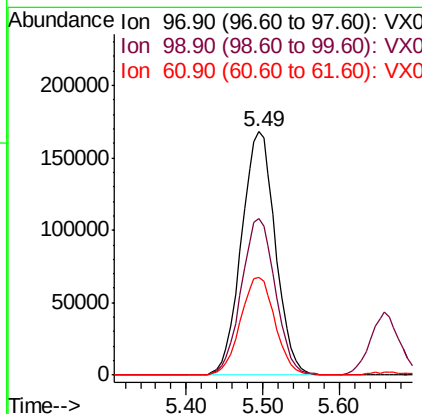
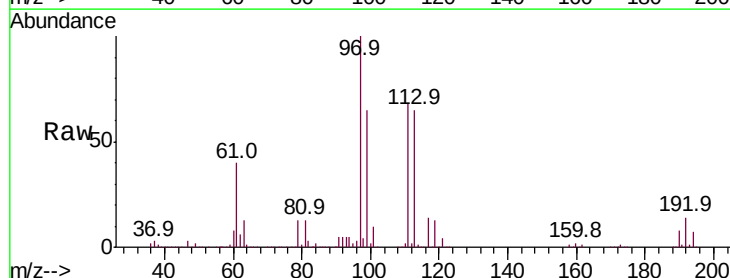
Tgt Ion: 97 Resp: 517942

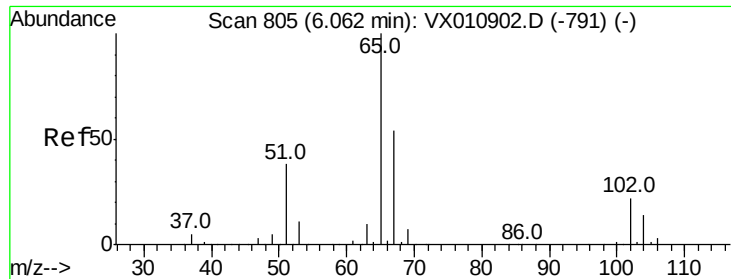
Ion Ratio Lower Upper

97 100

99 64.6 51.4 77.0

61 41.1 33.0 49.6





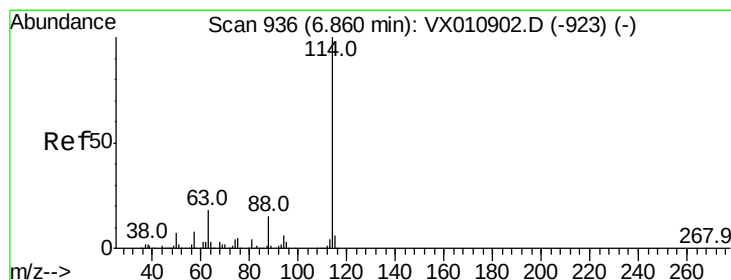
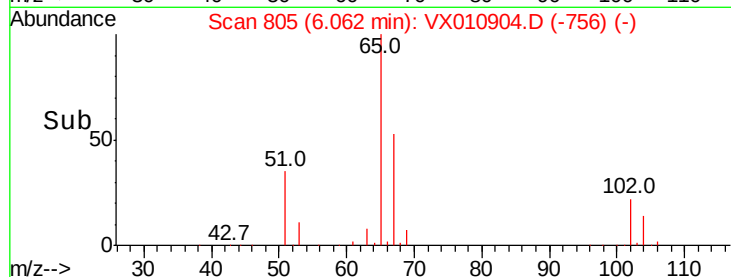
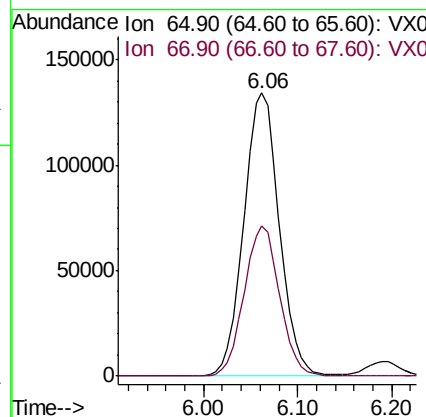
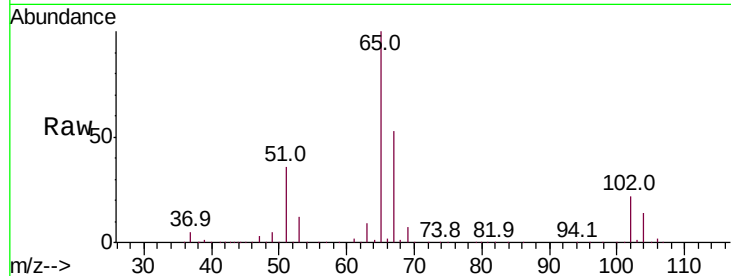
#33
 1,2-Dichloroethane-d4
 Concen: 164.986 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010904.D
 Acq: 16 Jul 2019 11:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	107.8

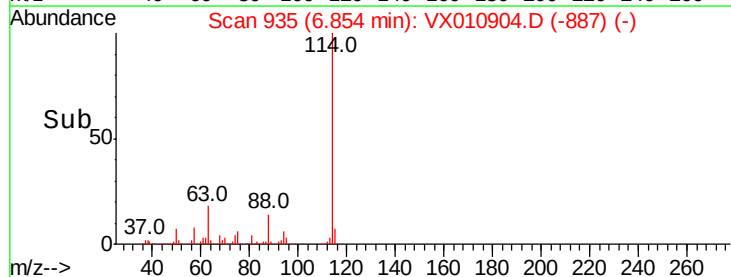
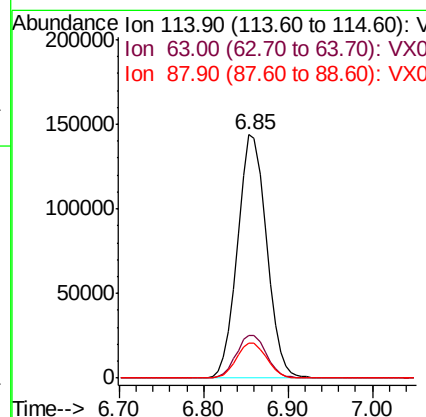
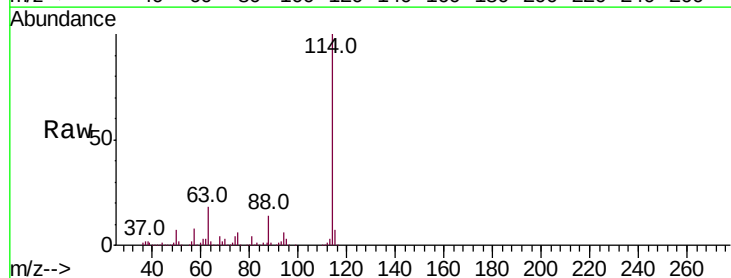
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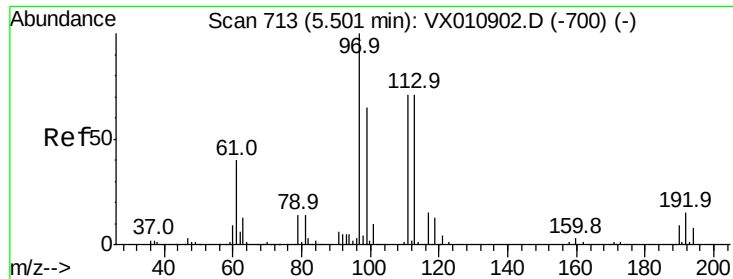
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX010904.D
 Acq: 16 Jul 2019 11:39

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.7	0.0	35.6
88	14.5	0.0	29.8





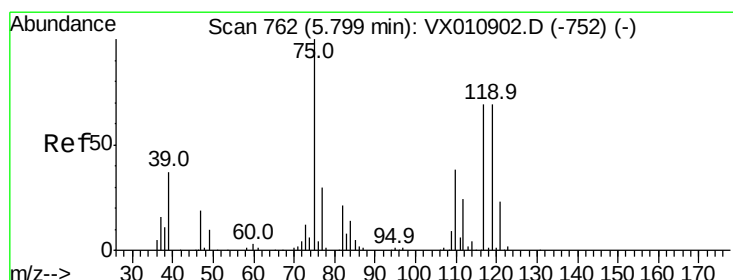
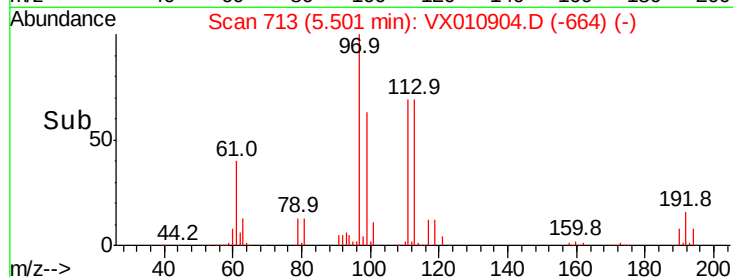
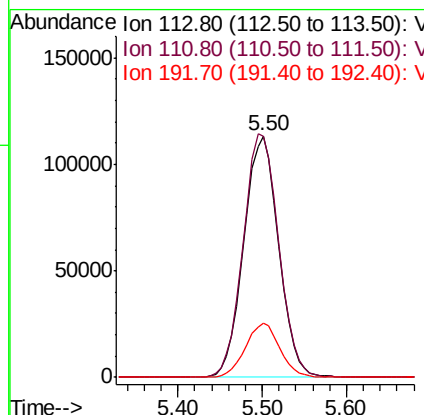
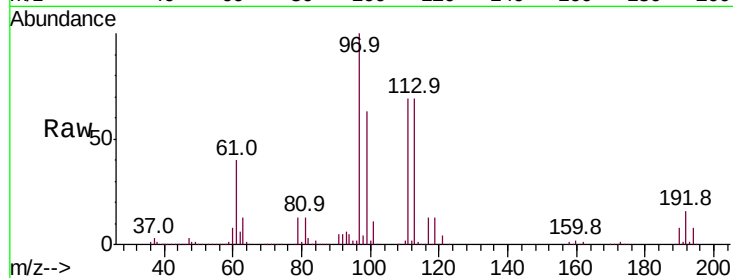
#35
 Dibromofluoromethane
 Concen: 154.604 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010904.D
 Acq: 16 Jul 2019 11:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.3	123.5
192	22.1	17.4	26.2

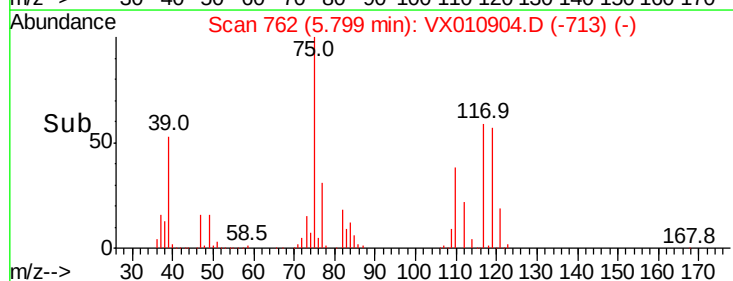
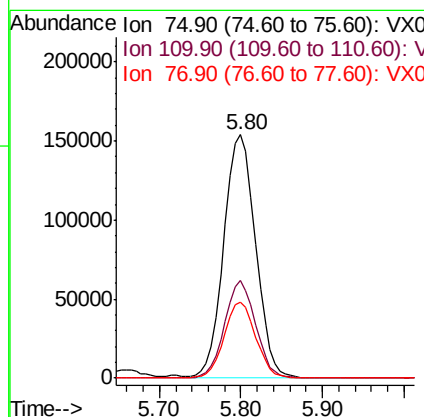
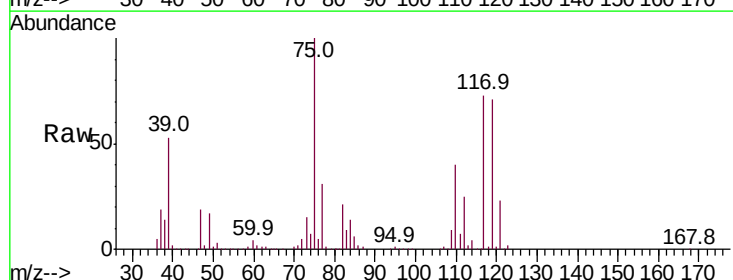
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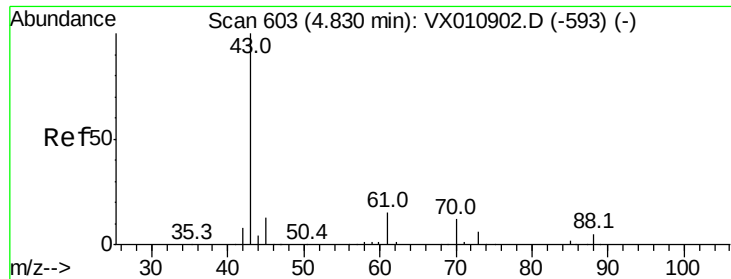
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#36
 1,1-Dichloropropene
 Concen: 154.804 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX010904.D
 Acq: 16 Jul 2019 11:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.0	19.9	59.7
77	31.0	25.0	37.4





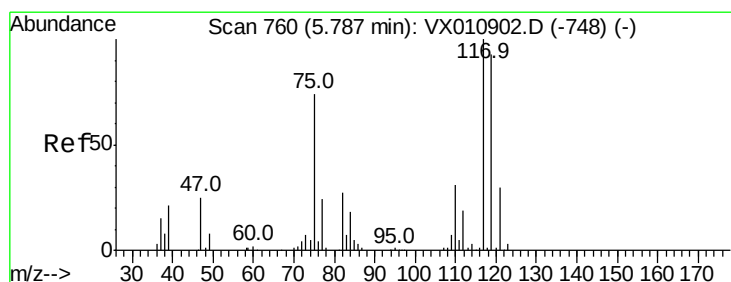
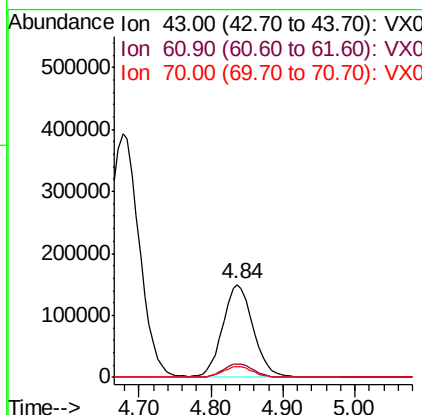
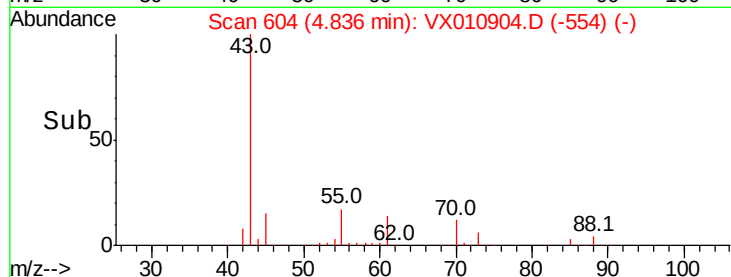
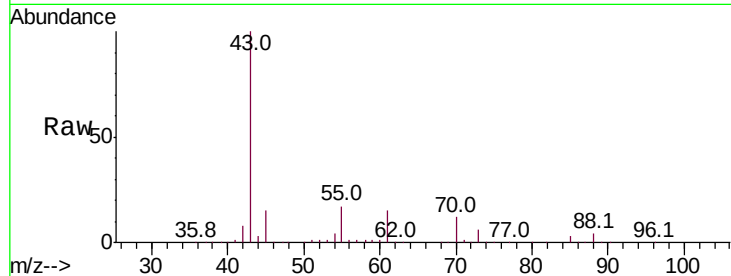
#37
Ethyl Acetate
Concen: 159.427 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX010904.D
Acq: 16 Jul 2019 11:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.6	17.4
70	11.7	9.1	13.7

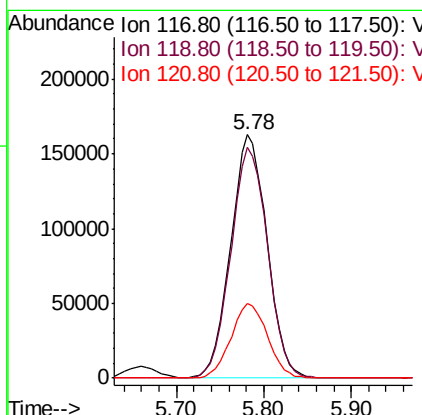
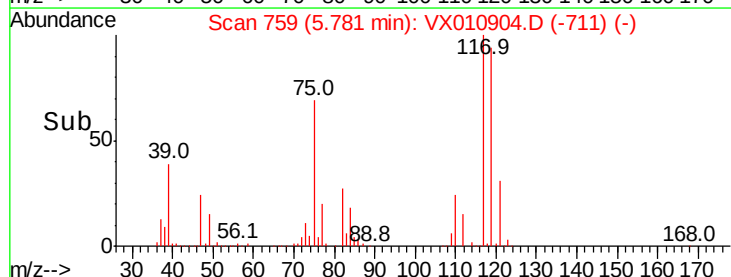
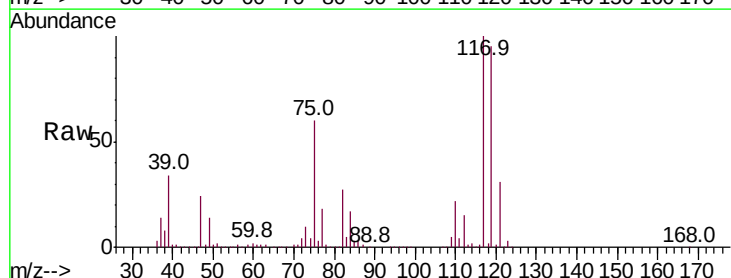
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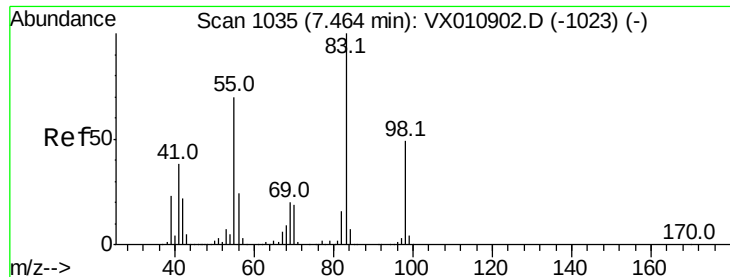
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#38
Carbon Tetrachloride
Concen: 162.538 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX010904.D
Acq: 16 Jul 2019 11:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	74.2	111.2
121	30.9	24.2	36.2





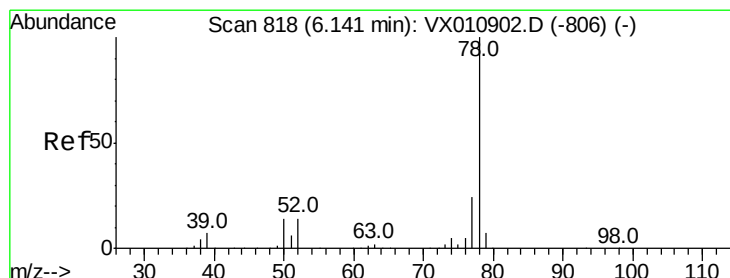
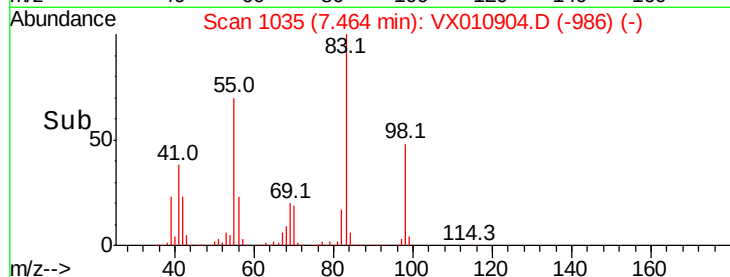
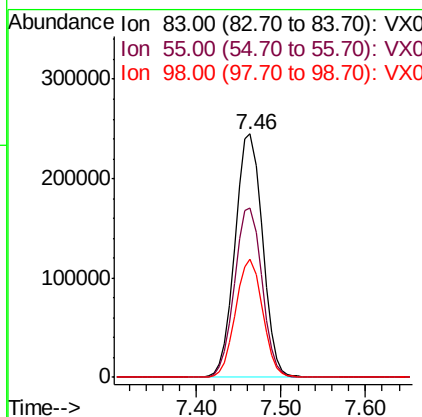
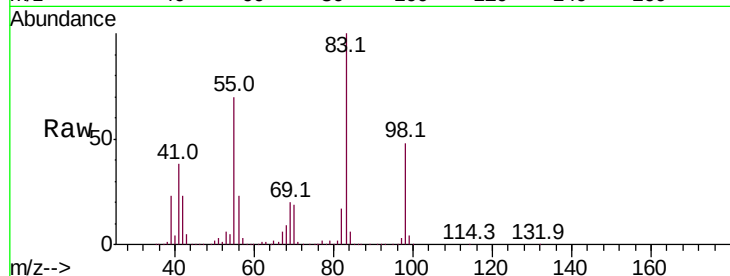
#39
Methylvlcyclohexane
Concen: 153.331 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010904.D
Acq: 16 Jul 2019 11:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.8	56.2	84.4
98	48.4	39.0	58.4

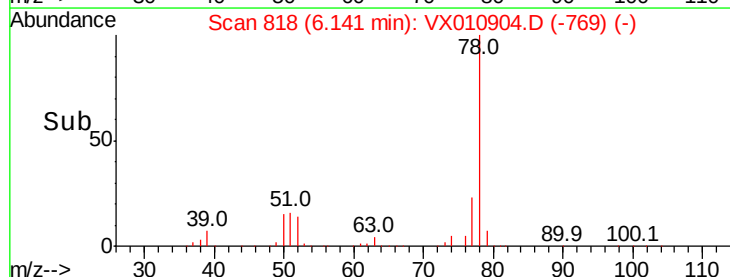
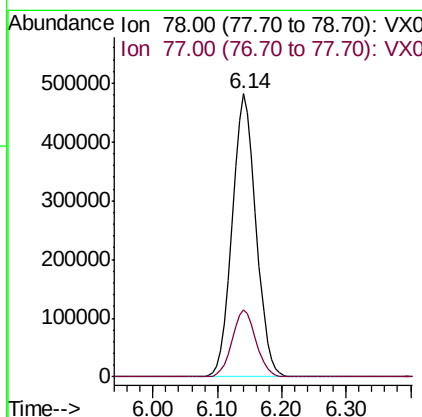
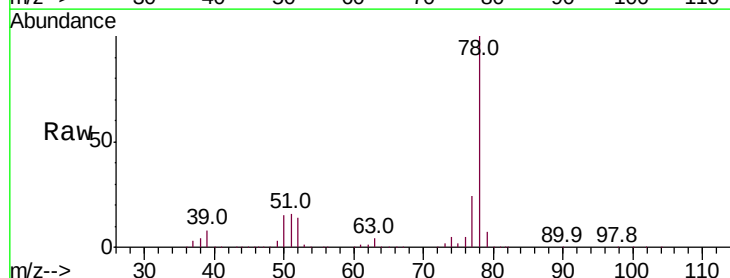
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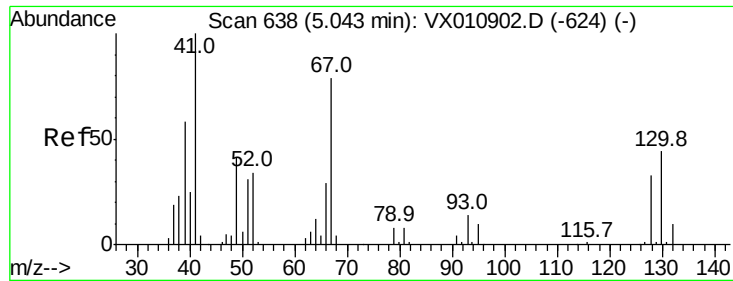
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#40
Benzene
Concen: 149.224 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010904.D
Acq: 16 Jul 2019 11:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6





#41

Methacrylonitrile

Concen: 157.896 ug/l

RT: 5.05 min Scan# 639

Delta R.T. 0.01 min

Lab File: VX010904.D

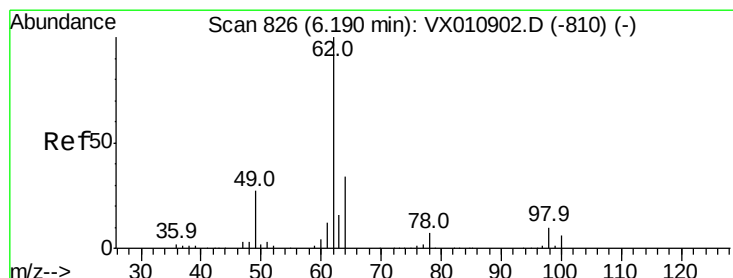
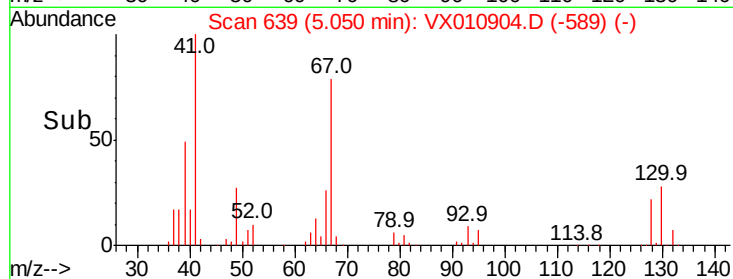
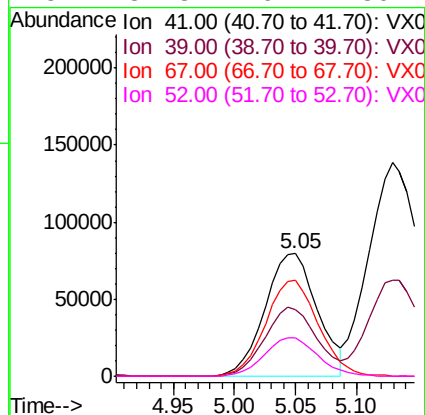
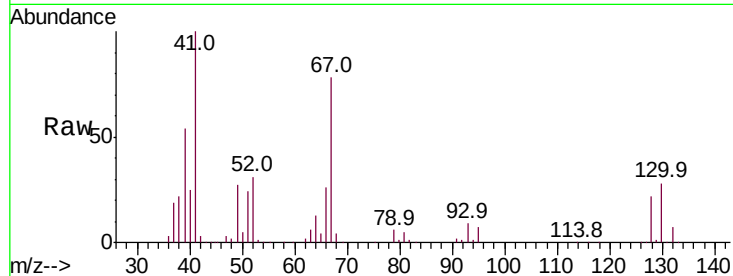
Acq: 16 Jul 2019 11:39

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		237363		
39	55.9	45.4	68.2		
67	79.0	65.9	98.9		
52	31.8	26.2	39.2		

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

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#42

1,2-Dichloroethane

Concen: 170.840 ug/l

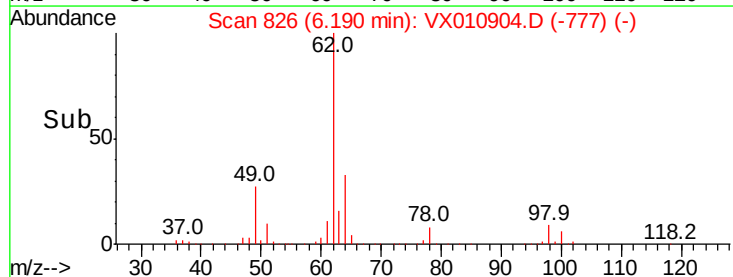
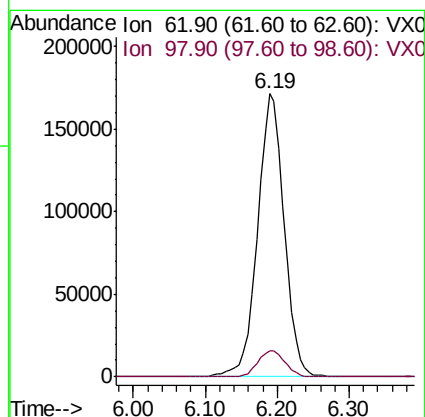
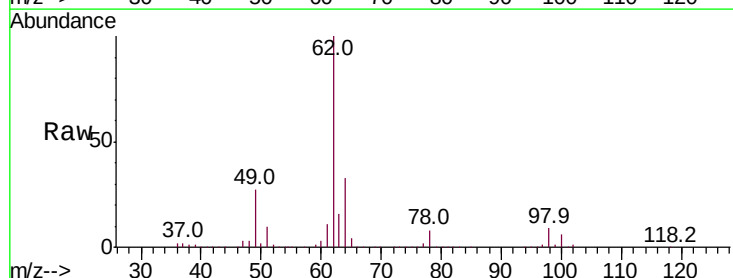
RT: 6.19 min Scan# 826

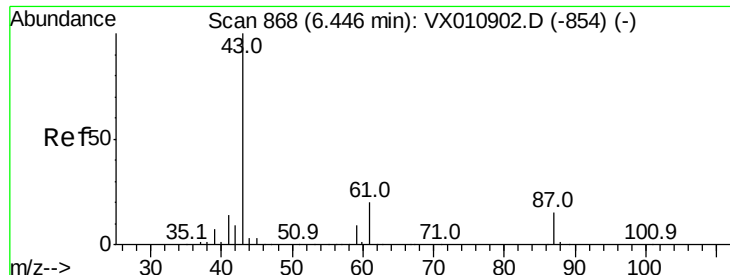
Delta R.T. 0.00 min

Lab File: VX010904.D

Acq: 16 Jul 2019 11:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		438371		
98	9.5	0.0	20.0		





#43

Isopropyl Acetate

Concen: 160.605 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX010904.D

Acq: 16 Jul 2019 11:39

Instrument :

MSVOA_X

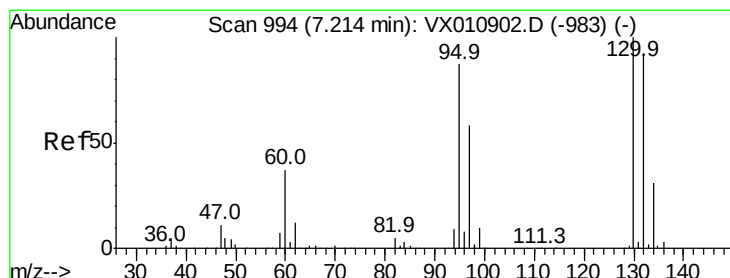
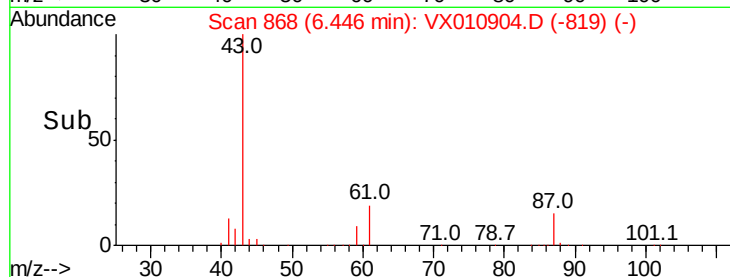
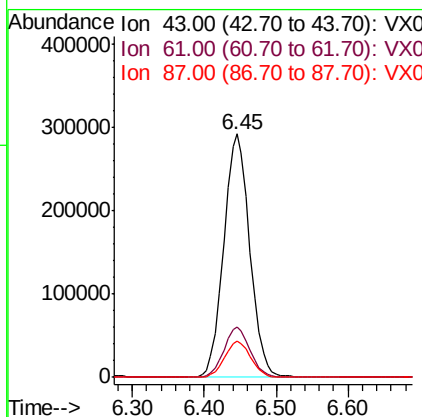
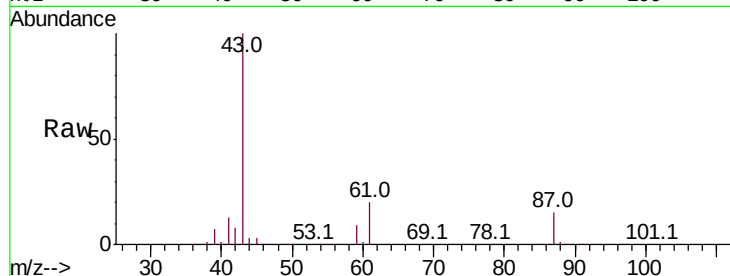
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	729358
Ion	Ratio	Lower	Upper
43	100		
61	20.7	17.1	25.7
87	15.0	12.0	18.0

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#44

Trichloroethene

Concen: 146.753 ug/l

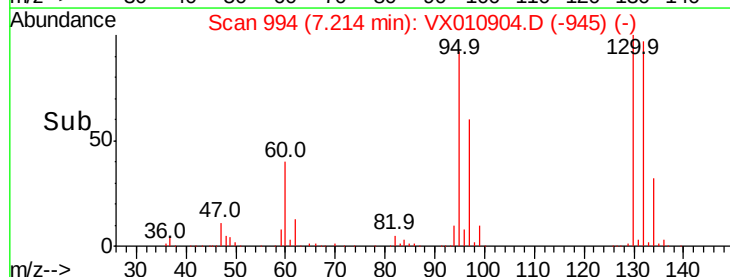
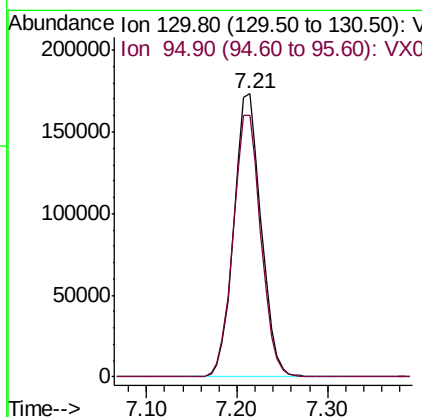
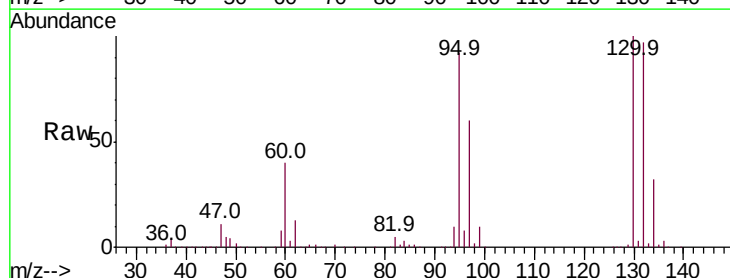
RT: 7.21 min Scan# 994

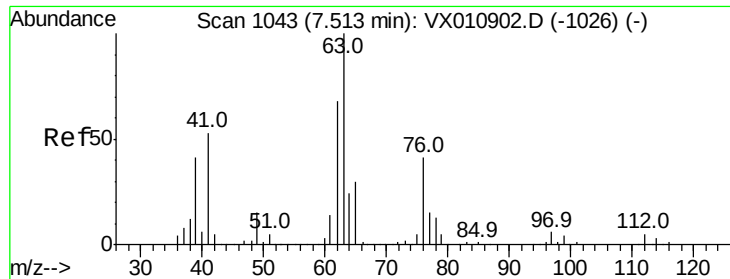
Delta R.T. 0.00 min

Lab File: VX010904.D

Acq: 16 Jul 2019 11:39

Tgt Ion:	130	Resp:	364068
Ion	Ratio	Lower	Upper
130	100		
95	92.4	0.0	174.8





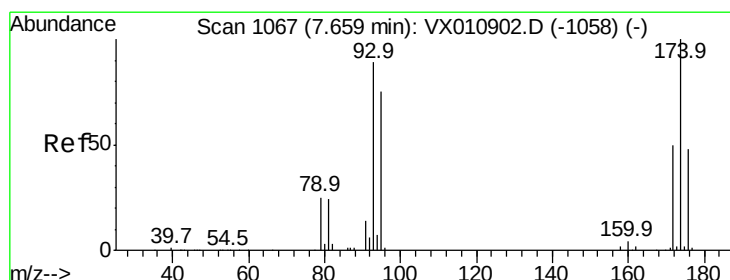
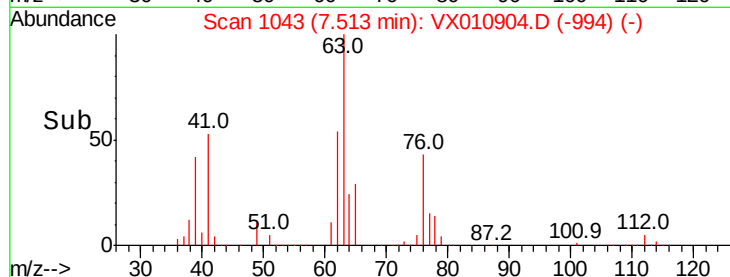
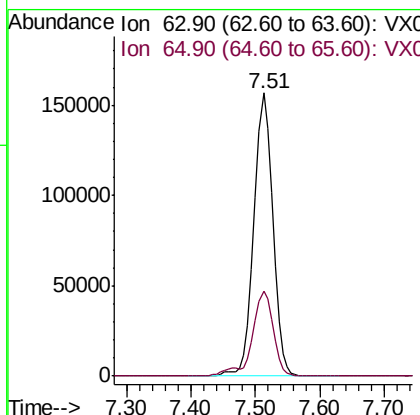
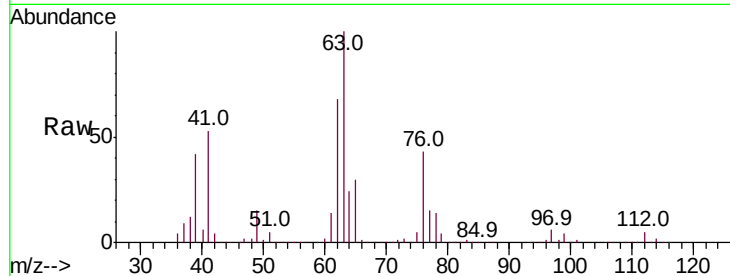
#45
 1,2-Dichloropropane
 Concen: 149.541 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX010904.D
 Acq: 16 Jul 2019 11:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.0	24.4	36.6

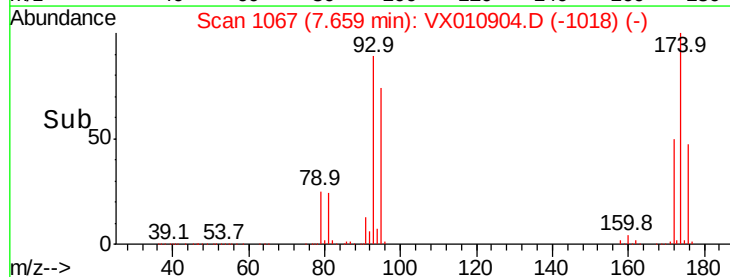
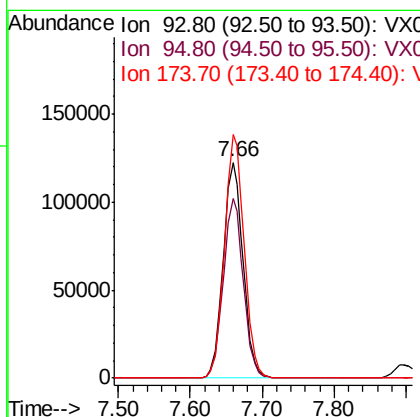
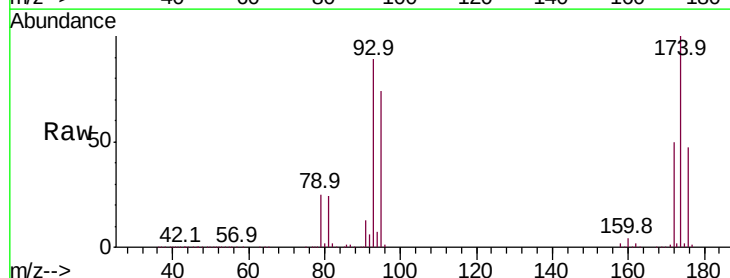
Manual Integrations
 APPROVED

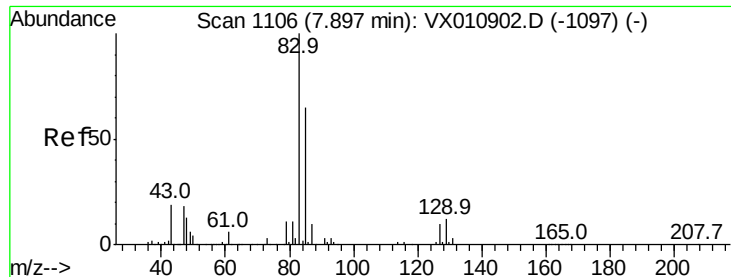
MMDadoda
 7/17/2019 10:45:18 AM



#46
 Dibromomethane
 Concen: 156.035 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX010904.D
 Acq: 16 Jul 2019 11:39

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.0	67.2	100.8
174	112.2	90.6	135.8





#47

Bromodichloromethane

Concen: 165.054 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010904.D

Acq: 16 Jul 2019 11:39

Instrument :

MSVOA_X

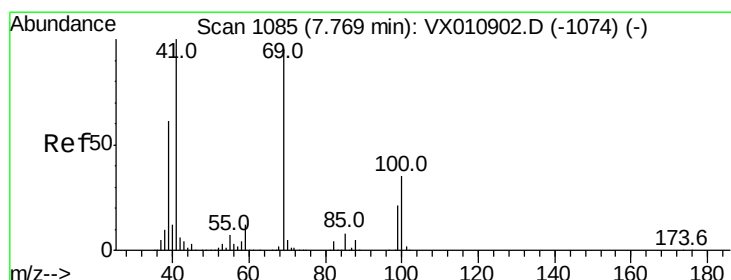
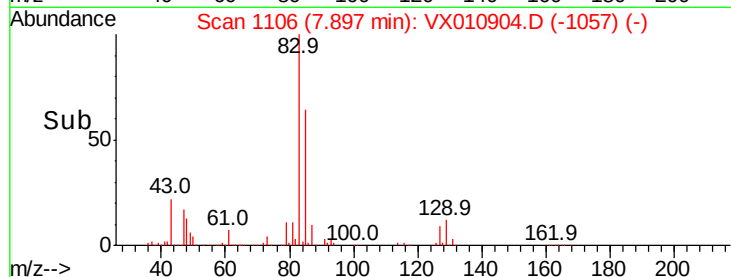
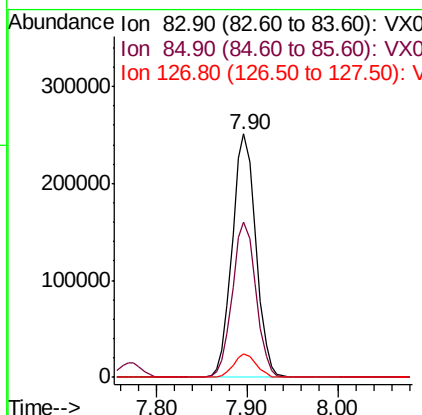
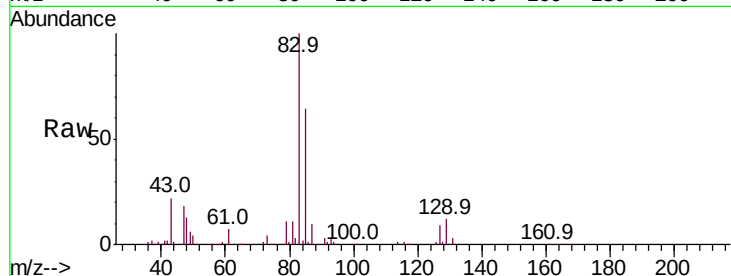
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	453803
Ion Ratio	Lower	Upper	
83	100		
85	64.0	52.5	78.7
127	9.5	7.8	11.8

Manual Integrations
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MMDadoda
7/17/2019 10:45:18 AM



#48

Methyl methacrylate

Concen: 168.920 ug/l

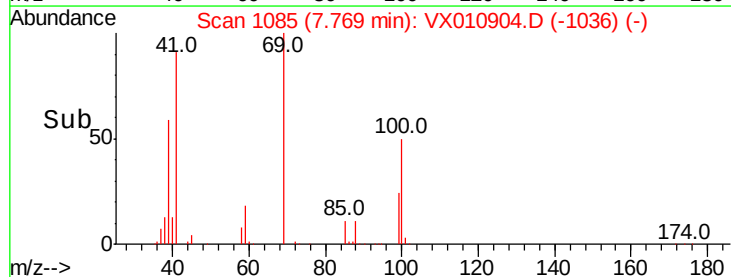
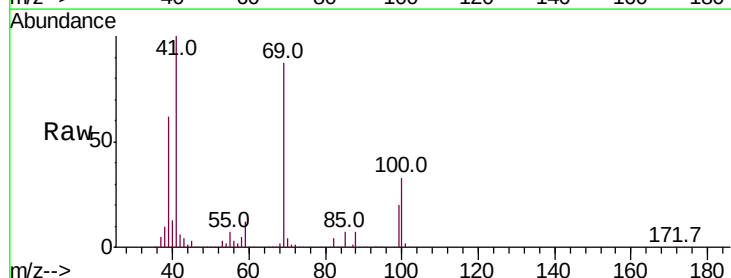
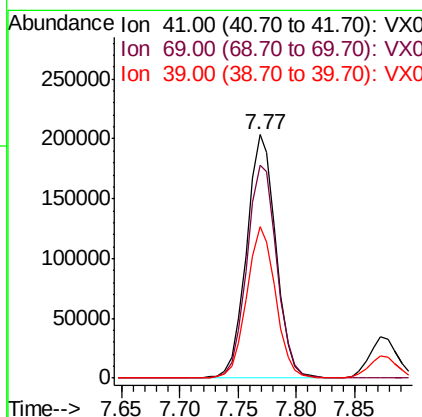
RT: 7.77 min Scan# 1085

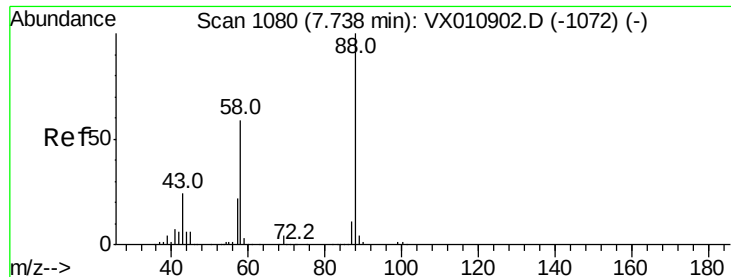
Delta R.T. 0.00 min

Lab File: VX010904.D

Acq: 16 Jul 2019 11:39

Tgt Ion:	41	Resp:	357605
Ion Ratio	Lower	Upper	
41	100		
69	90.1	74.4	111.6
39	61.5	48.9	73.3





#49

1,4-Dioxane

Concen: 2858.970 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VX010904.D

Acq: 16 Jul 2019 11:39

Instrument :

MSVOA_X

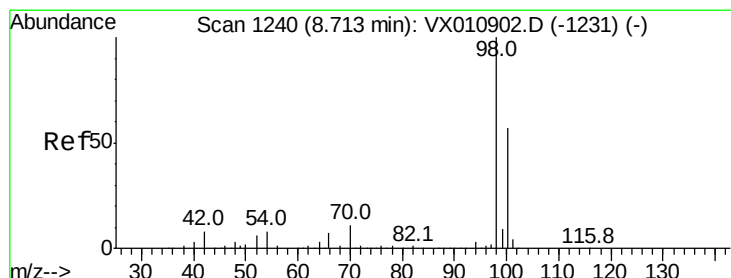
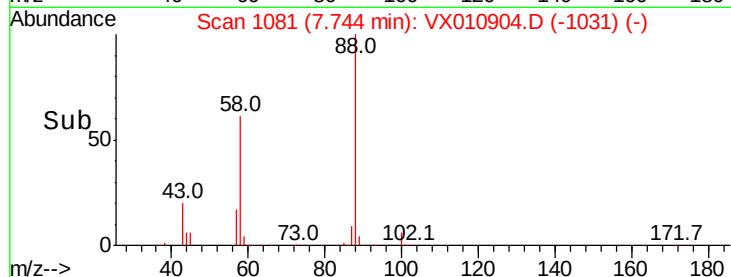
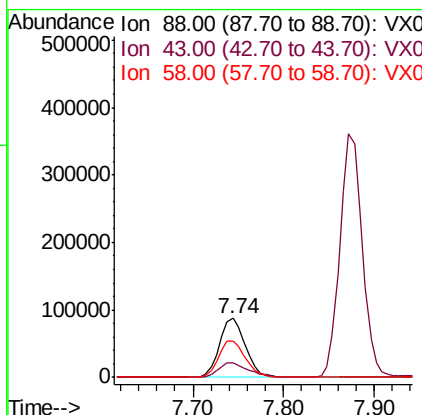
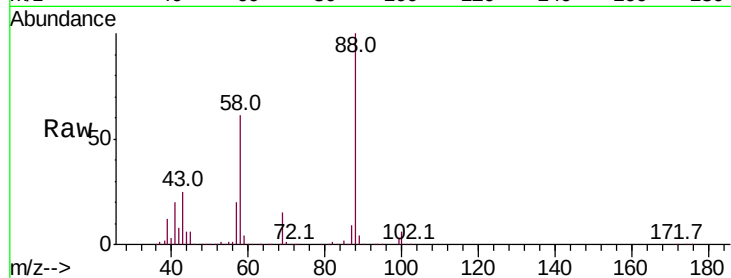
ClientSampleId :

VSTDIC150

Tot Ion:	88	Resp:	174122
Ion	Ratio	Lower	Upper
88	100		
43	28.4	22.9	34.3
58	63.9	49.8	74.8

Manual Integrations
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#50

Toluene-d8

Concen: 151.433 ug/l

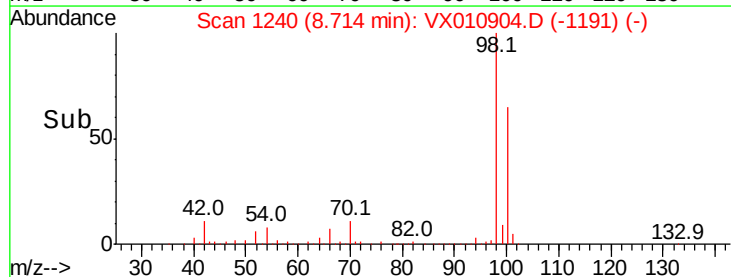
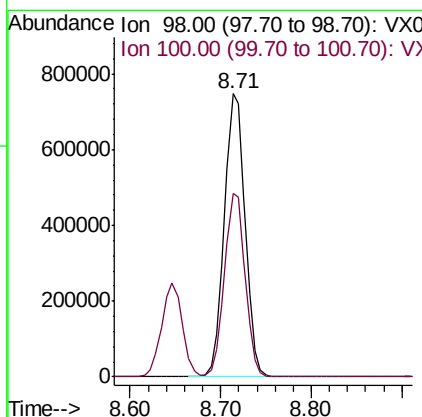
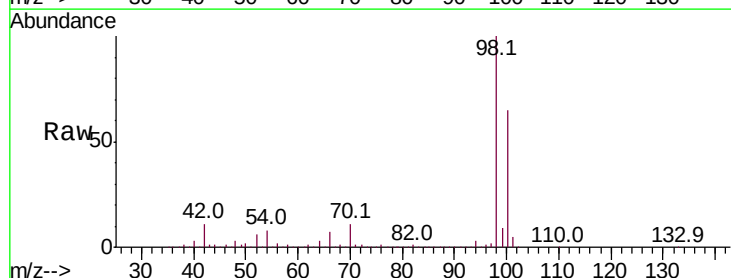
RT: 8.71 min Scan# 1240

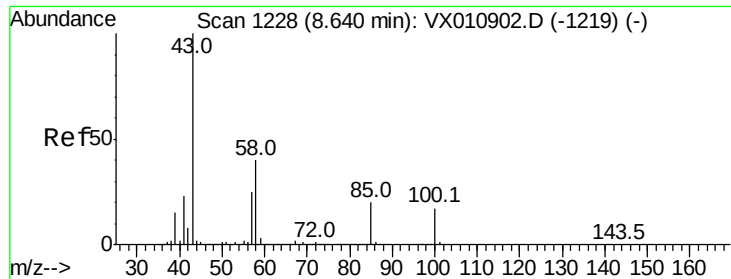
Delta R.T. 0.00 min

Lab File: VX010904.D

Acq: 16 Jul 2019 11:39

Tgt Ion:	98	Resp:	1188498
Ion	Ratio	Lower	Upper
98	100		
100	64.7	50.6	75.8





#51

4-Methyl-2-Pentanone

Concen: 783.992 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VX010904.D

Acq: 16 Jul 2019 11:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2286553

Ion Ratio Lower Upper

43 100

58 39.9

32.2

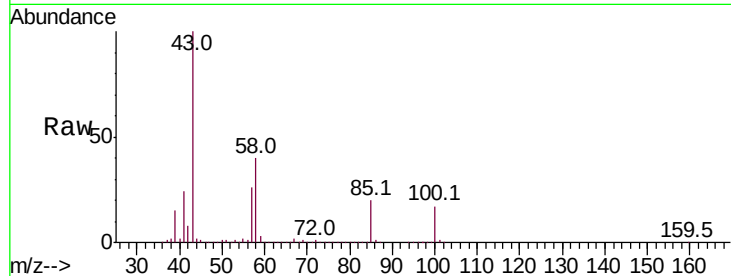
48.4

Manual Integrations

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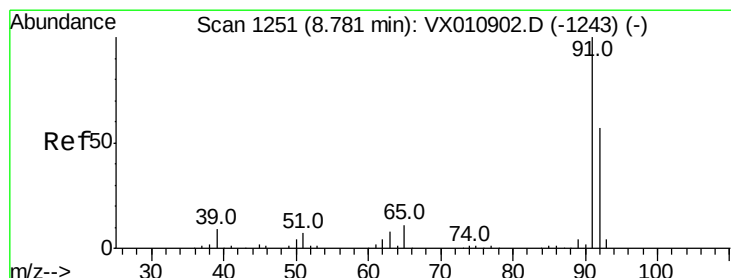
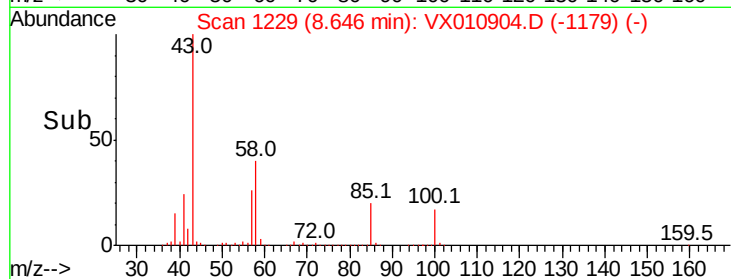
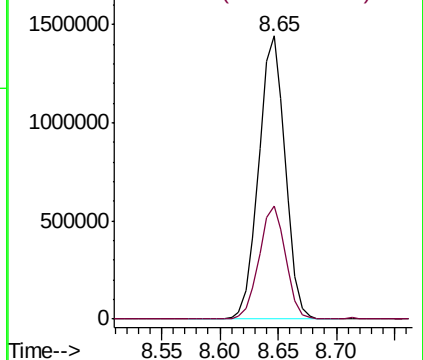
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 150.570 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX010904.D

Acq: 16 Jul 2019 11:39

Tgt Ion: 92 Resp: 823435

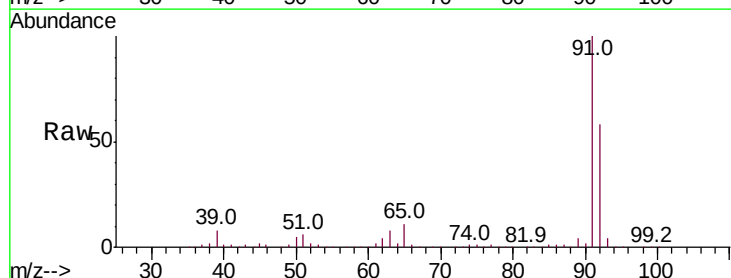
Ion Ratio Lower Upper

92 100

91 175.6

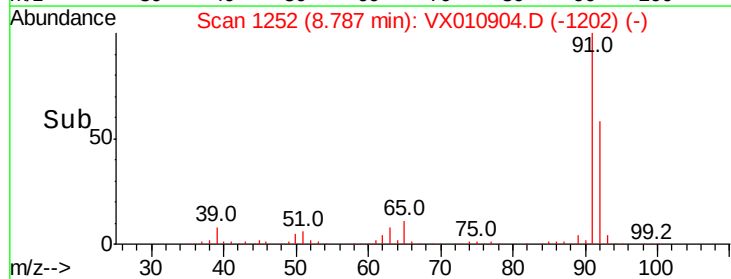
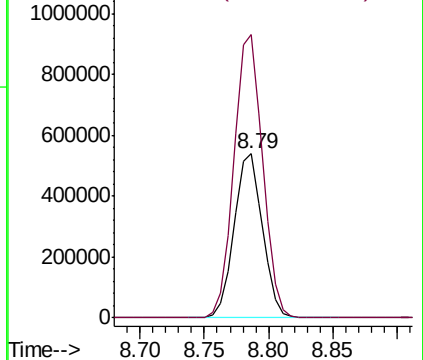
139.4

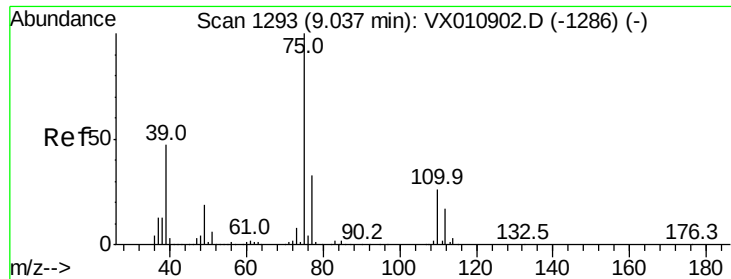
209.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





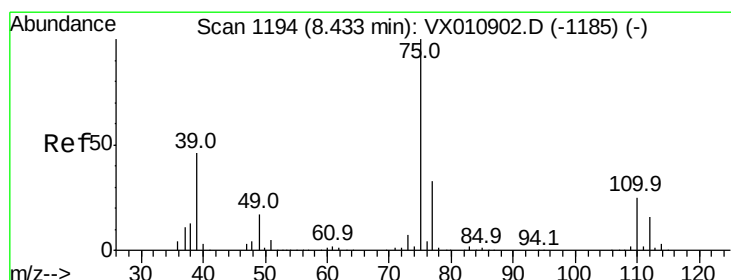
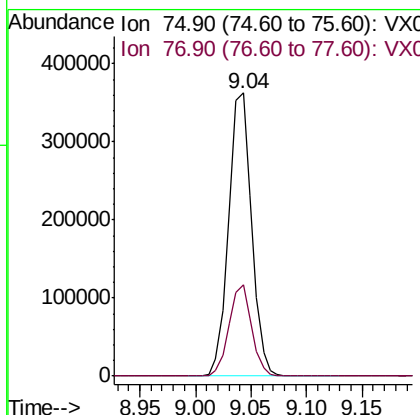
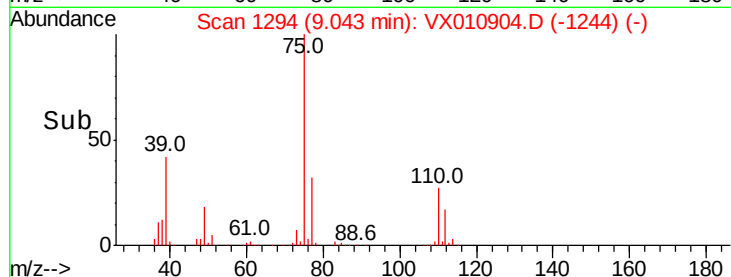
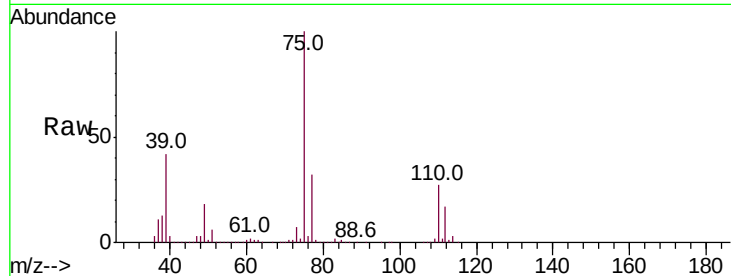
#53
t-1,3-Dichloropropene
Concen: 168.547 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX010904.D
Acq: 16 Jul 2019 11:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 518373
Ion Ratio Lower Upper
75 100
77 32.1 26.2 39.2

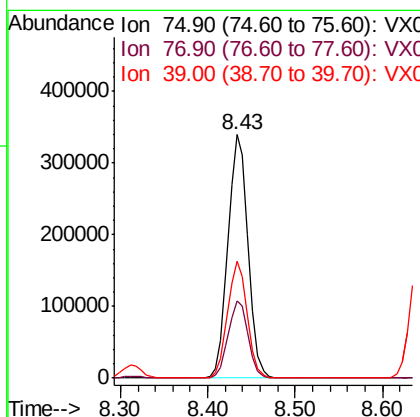
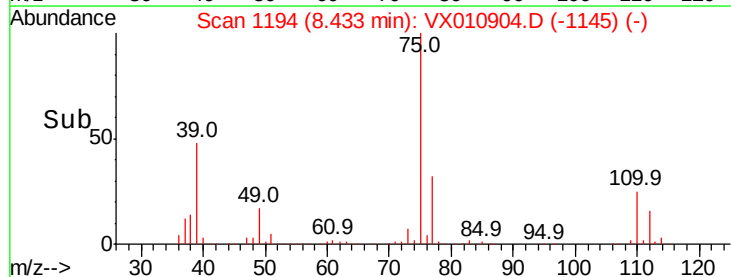
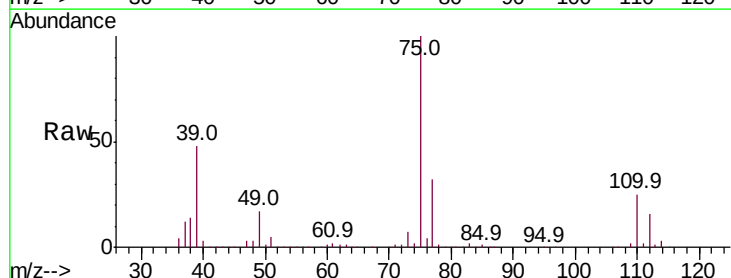
Manual Integrations
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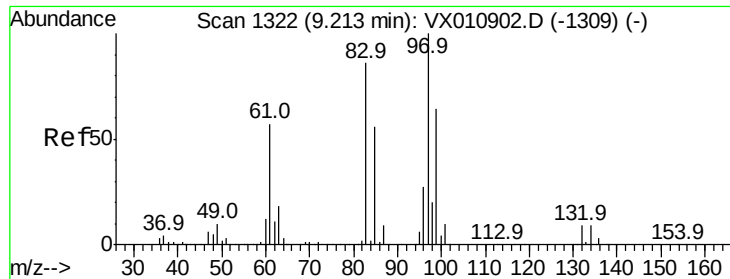
MMDadoda
7/17/2019 10:45:18 AM



#54
cis-1,3-Dichloropropene
Concen: 160.968 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX010904.D
Acq: 16 Jul 2019 11:39

Tgt Ion: 75 Resp: 539607
Ion Ratio Lower Upper
75 100
77 31.9 26.1 39.1
39 48.1 36.6 54.8





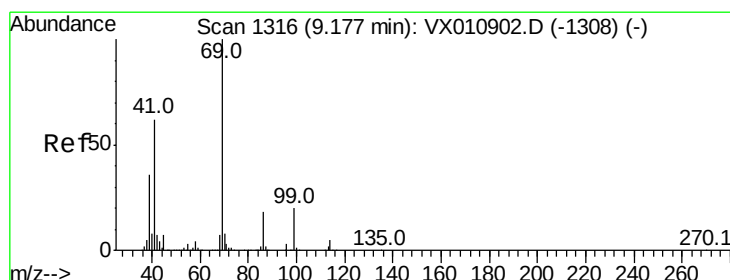
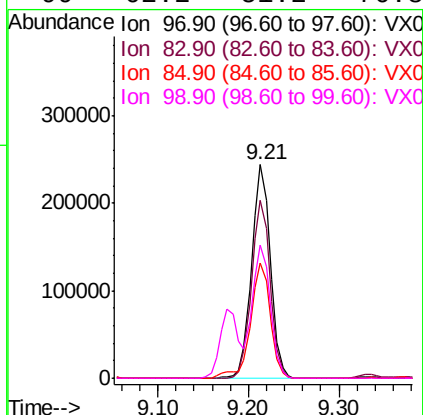
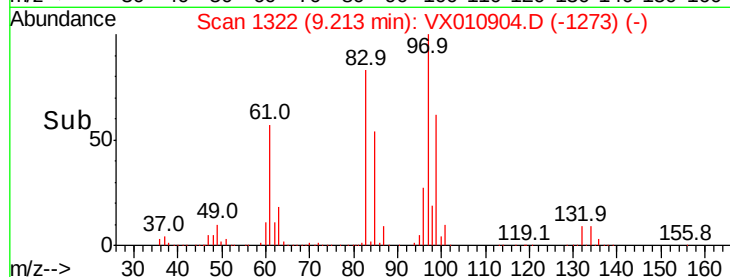
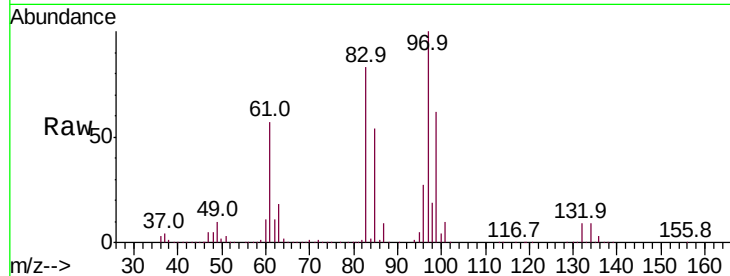
#55
1,1,2-Trichloroethane
Concen: 155.215 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX010904.D
Acq: 16 Jul 2019 11:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		349181		
83	83.1	69.2	103.8		
85	54.0	44.6	66.8		
99	62.2	51.2	76.8		

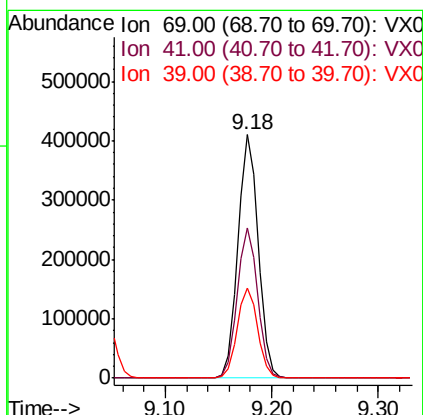
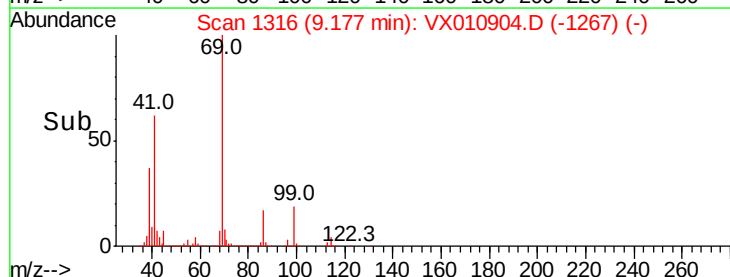
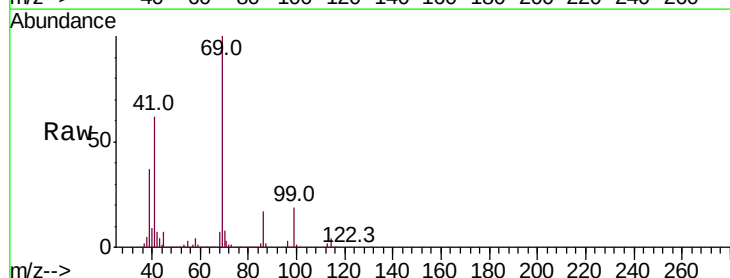
Manual Integrations
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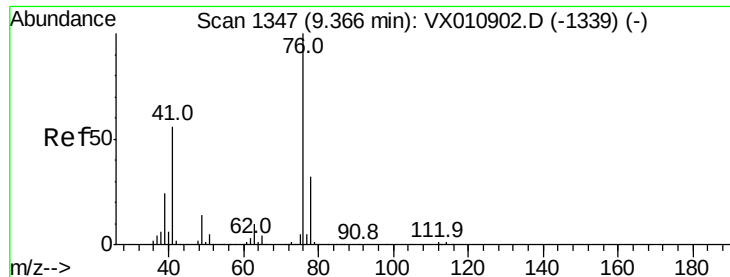
MMDadoda
7/17/2019 10:45:18 AM



#56
Ethyl methacrylate
Concen: 161.559 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VX010904.D
Acq: 16 Jul 2019 11:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		550627		
41	62.2	49.7	74.5		
39	37.3	29.6	44.4		





#57

1,3-Dichloropropane

Concen: 156.314 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.01 min

Lab File: VX010904.D

Acq: 16 Jul 2019 11:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 548106

Ion Ratio Lower Upper

76 100

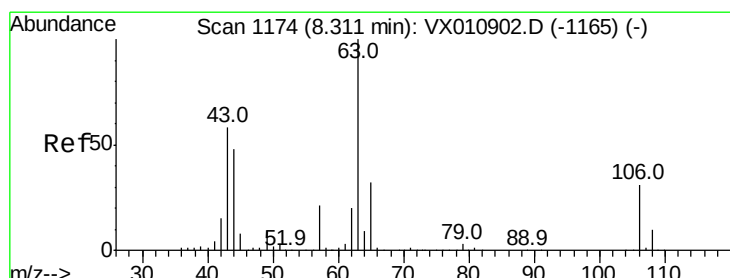
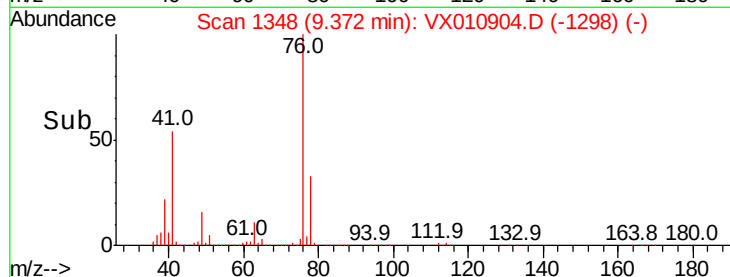
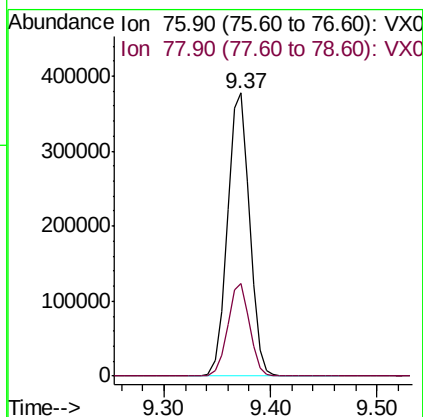
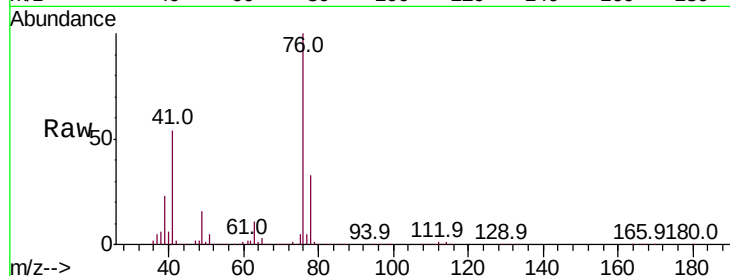
78 32.2 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

7/17/2019 10:45:18 AM



#58

2-Chloroethyl Vinyl ether

Concen: 806.026 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.01 min

Lab File: VX010904.D

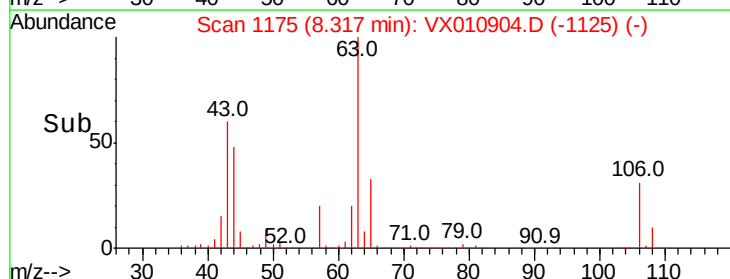
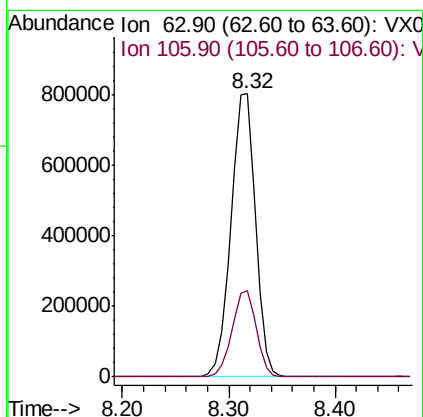
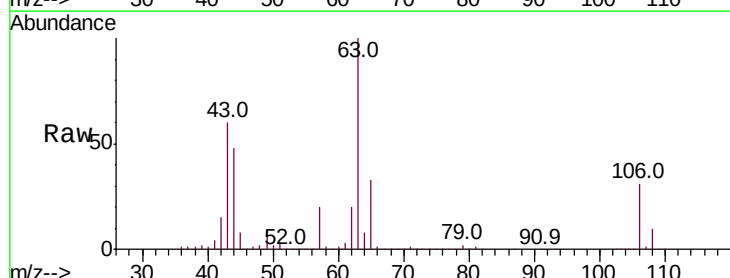
Acq: 16 Jul 2019 11:39

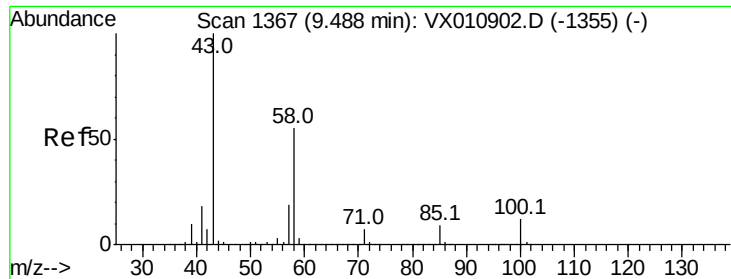
Tgt Ion: 63 Resp: 1300233

Ion Ratio Lower Upper

63 100

106 30.2 24.0 36.0





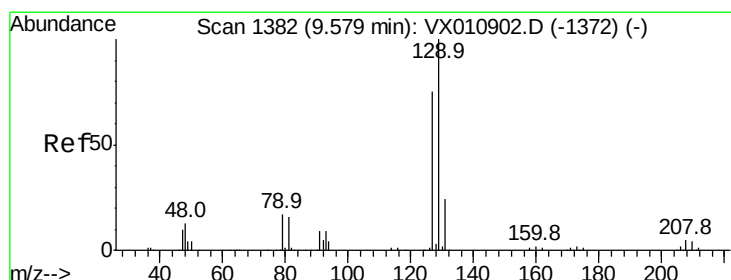
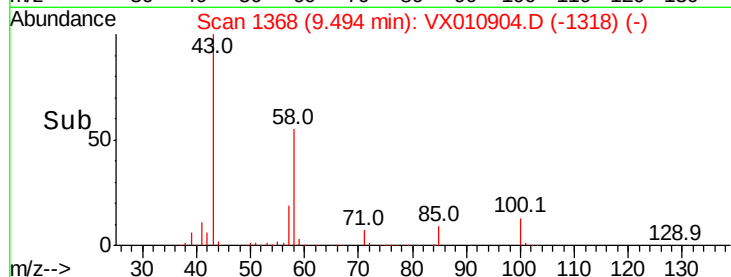
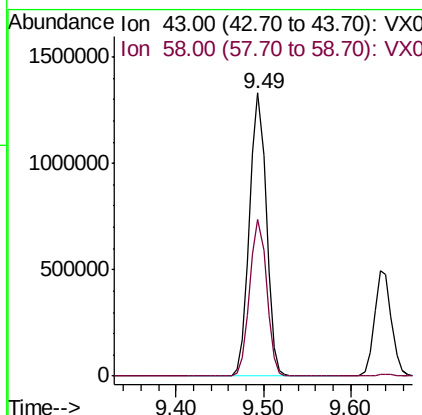
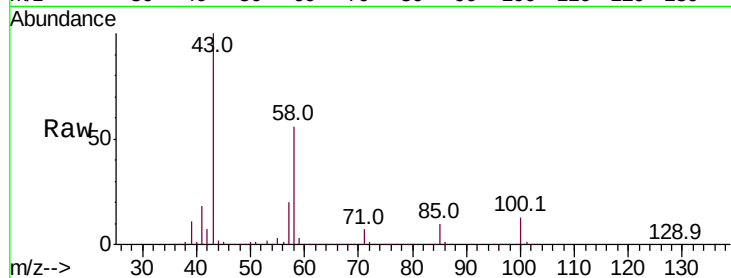
#59
2-Hexanone
Concen: 771.244 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX010904.D
Acq: 16 Jul 2019 11:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1770430
Ion Ratio Lower Upper
43 100
58 55.8 28.0 83.9

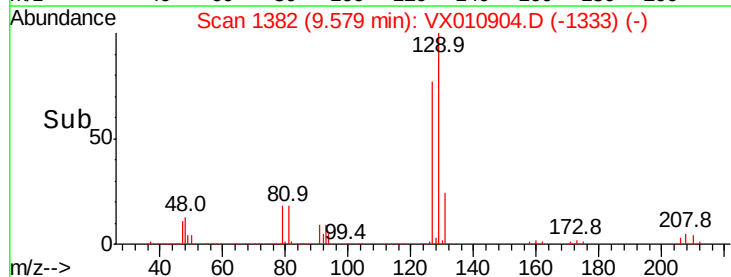
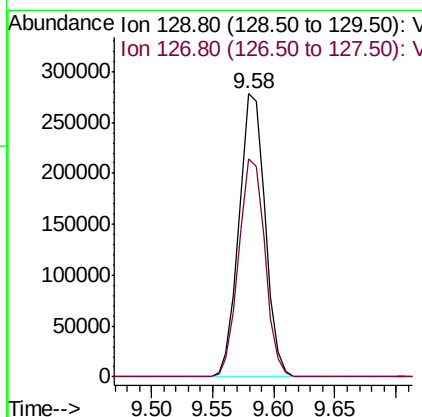
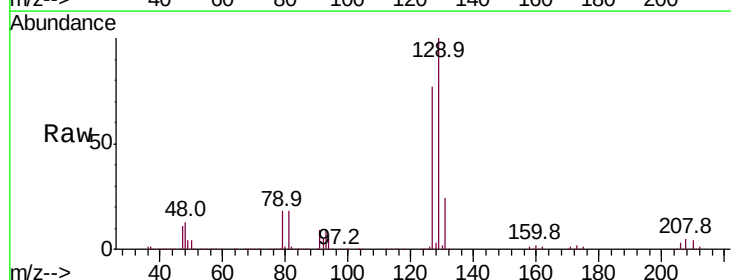
Manual Integrations
APPROVED

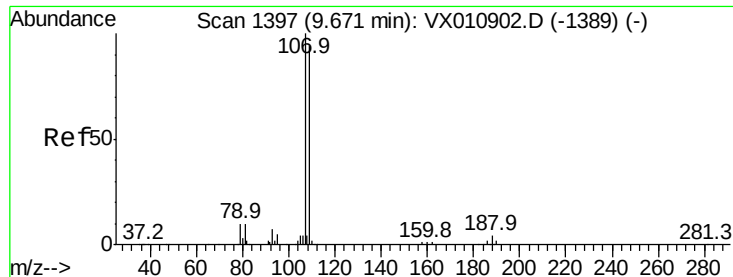
MMDadoda
7/17/2019 10:45:18 AM



#60
Dibromochloromethane
Concen: 164.251 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010904.D
Acq: 16 Jul 2019 11:39

Tgt Ion: 129 Resp: 411029
Ion Ratio Lower Upper
129 100
127 77.3 38.6 115.8





#61

1,2-Dibromoethane

Concen: 158.656 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010904.D

Acq: 16 Jul 2019 11:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:107 Resp: 385790

Ion Ratio Lower Upper

107 100

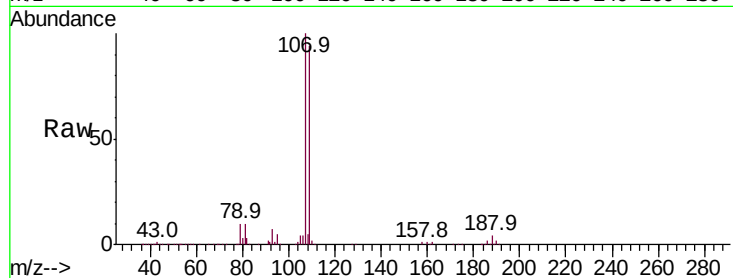
109 93.8 75.4 113.0

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

300000

250000

200000

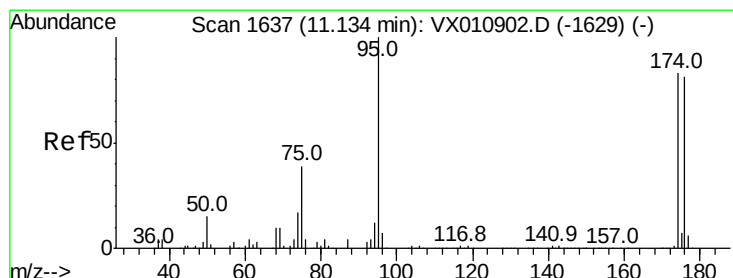
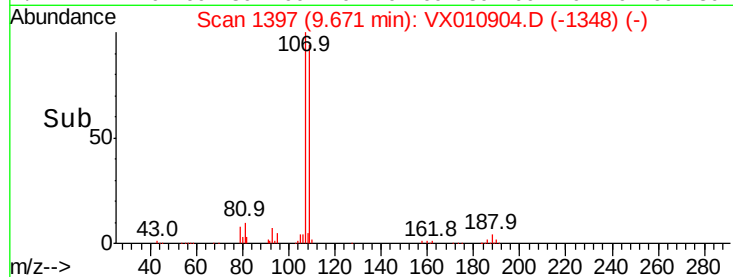
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 163.464 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010904.D

Acq: 16 Jul 2019 11:39

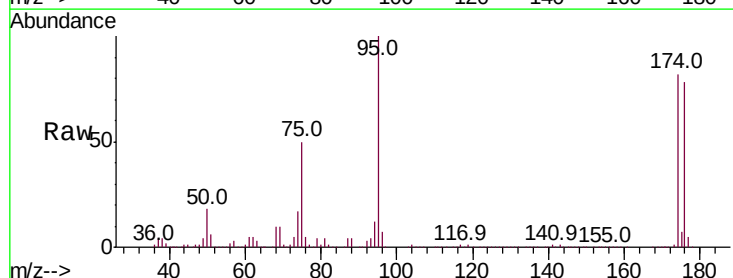
Tgt Ion: 95 Resp: 466059

Ion Ratio Lower Upper

95 100

174 88.5 0.0 180.6

176 86.0 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

500000

400000

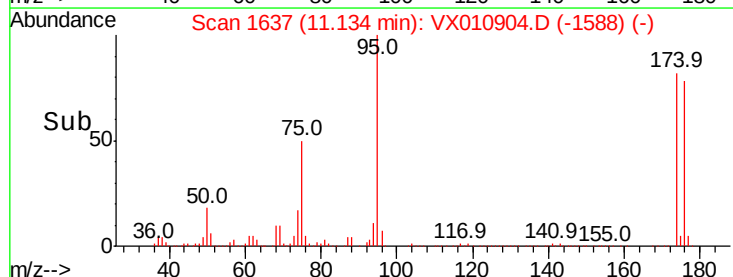
300000

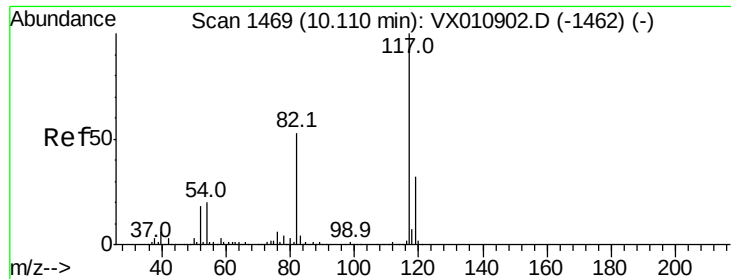
200000

100000

0

Time-->





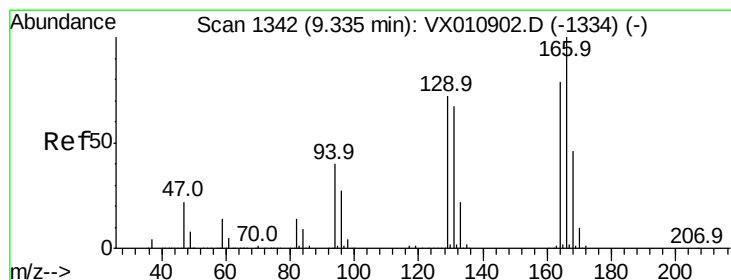
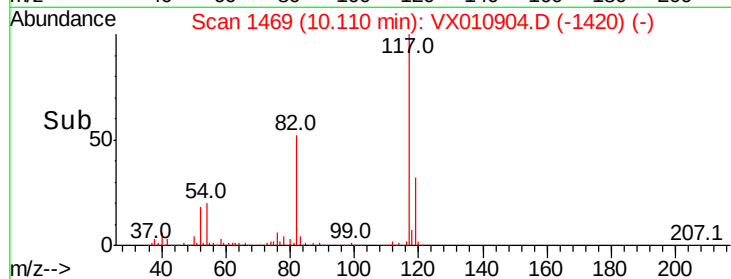
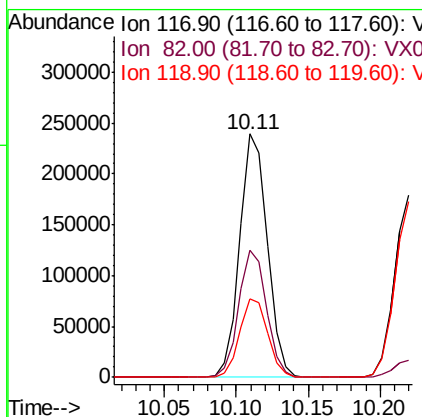
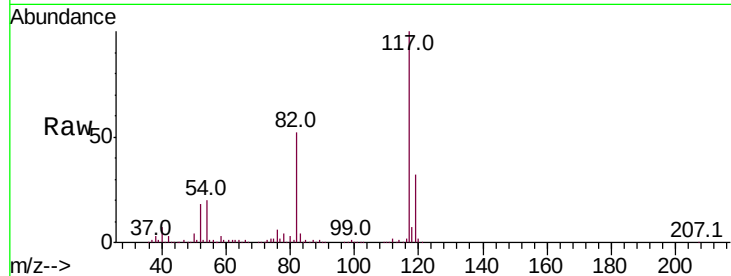
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010904.D
Acq: 16 Jul 2019 11:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	42.6	63.8
119	32.1	25.9	38.9

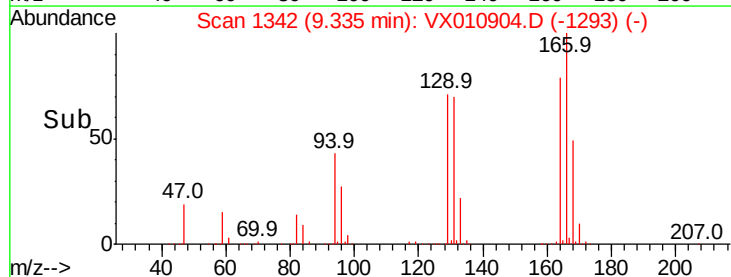
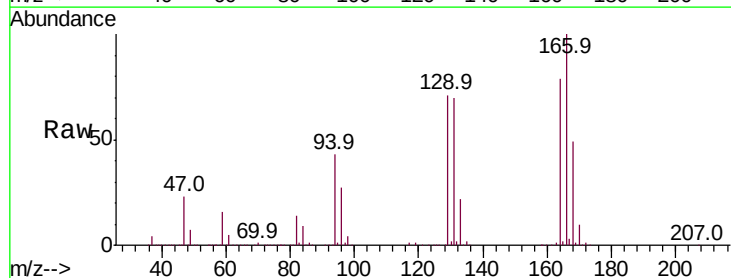
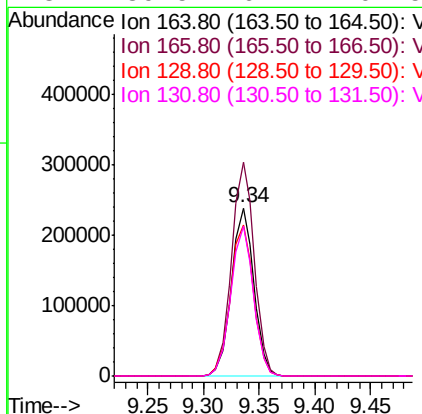
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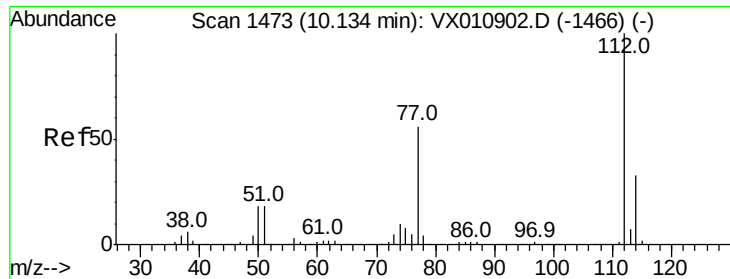
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#64
Tetrachloroethene
Concen: 129.489 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010904.D
Acq: 16 Jul 2019 11:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	100.8	151.2
129	89.8	72.6	109.0
131	89.5	67.7	101.5





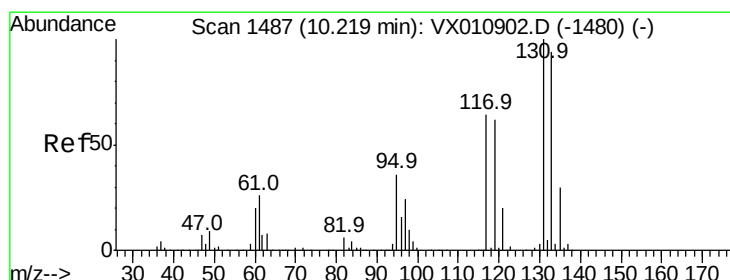
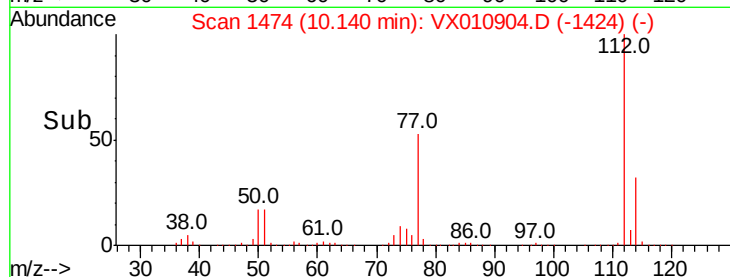
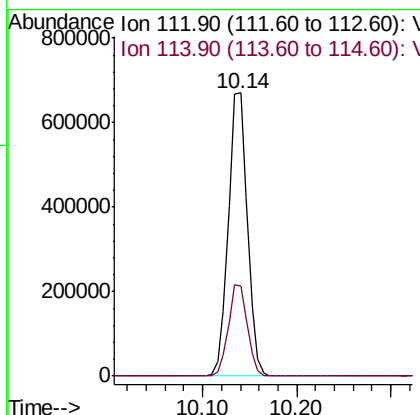
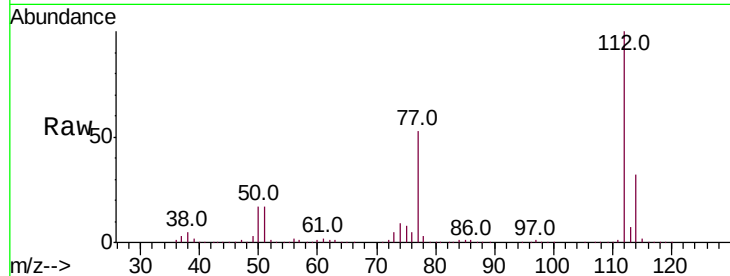
#65
Chlorobenzene
Concen: 145.934 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX010904.D
Acq: 16 Jul 2019 11:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 943709
Ion Ratio Lower Upper
112 100
114 31.9 26.2 39.4

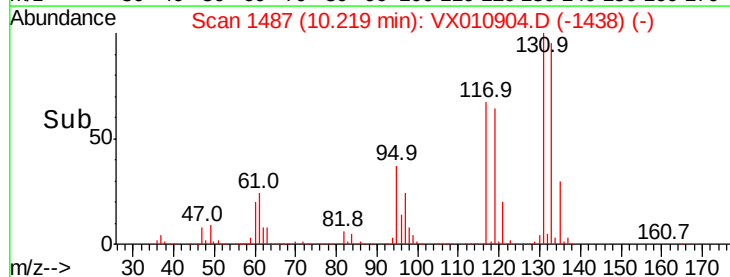
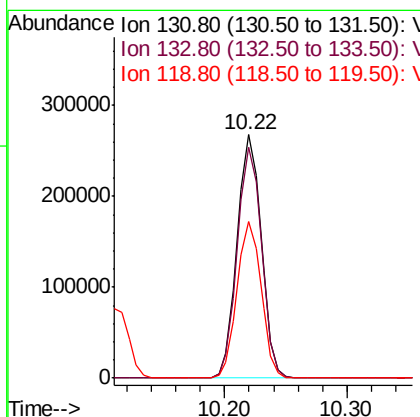
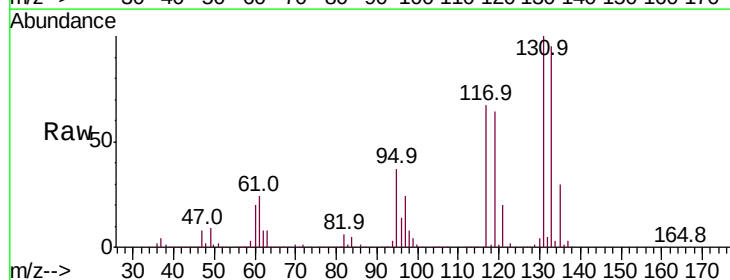
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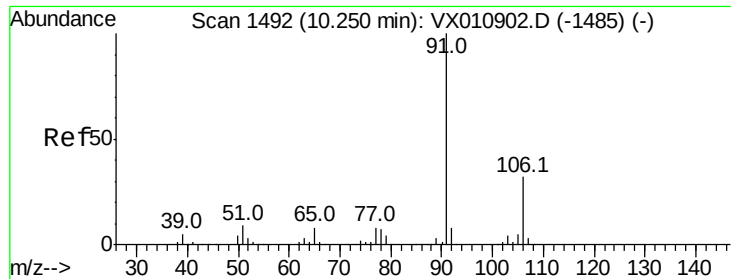
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#66
1,1,1,2-Tetrachloroethane
Concen: 155.127 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX010904.D
Acq: 16 Jul 2019 11:39

Tgt Ion:131 Resp: 365238
Ion Ratio Lower Upper
131 100
133 95.1 47.1 141.4
119 64.4 31.9 95.7





#67

Ethyl Benzene

Concen: 149.912 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010904.D

Acq: 16 Jul 2019 11:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1645827

Ion Ratio Lower Upper

91 100

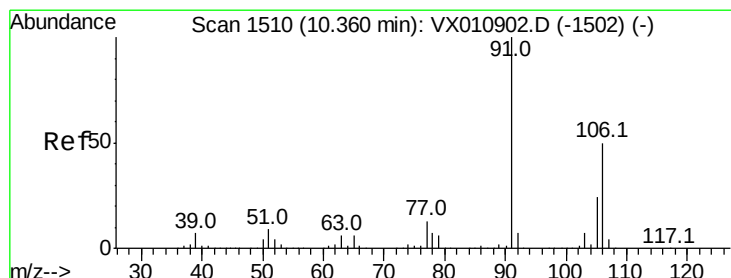
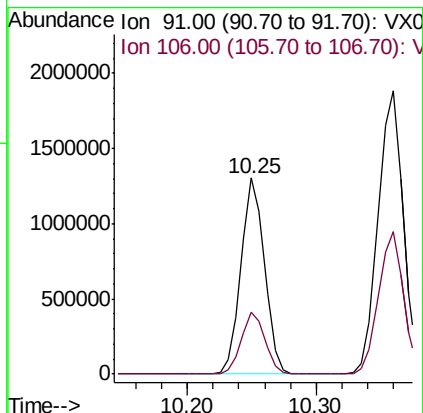
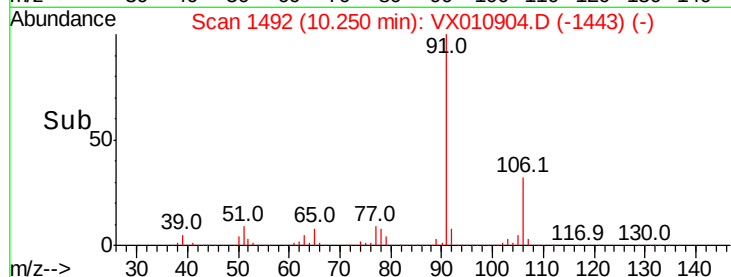
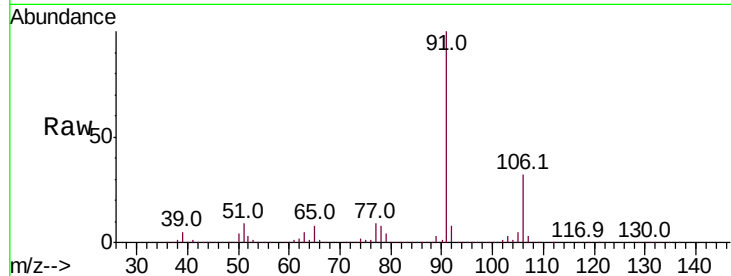
106 31.7 25.4 38.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 297.520 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX010904.D

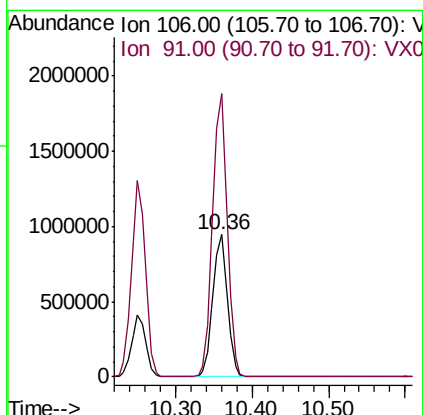
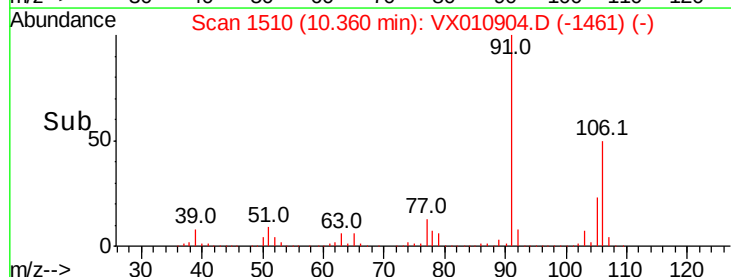
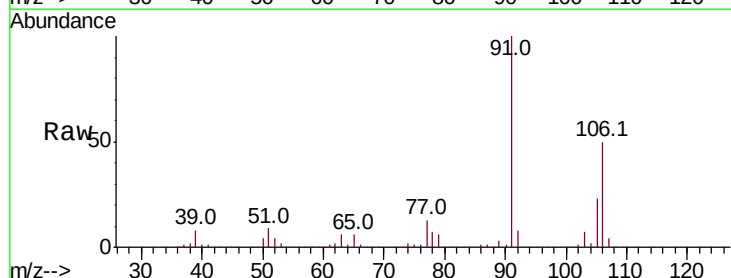
Acq: 16 Jul 2019 11:39

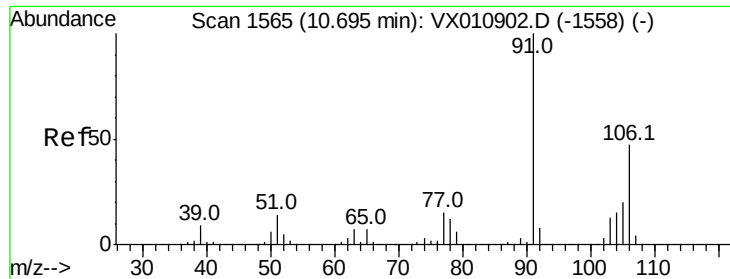
Tgt Ion: 106 Resp: 1262563

Ion Ratio Lower Upper

106 100

91 200.0 160.1 240.1





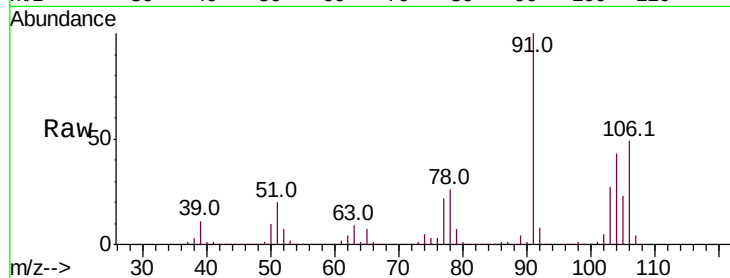
#69
o-Xylene
Concen: 147.384 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX010904.D
Acq: 16 Jul 2019 11:39

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

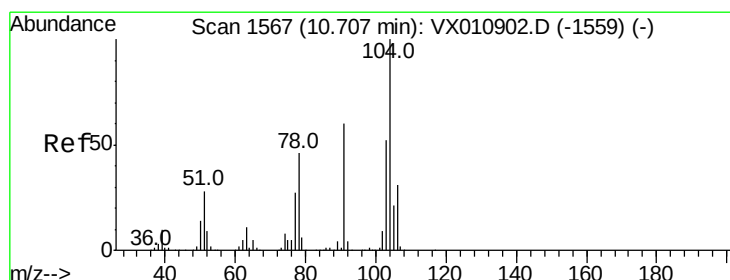
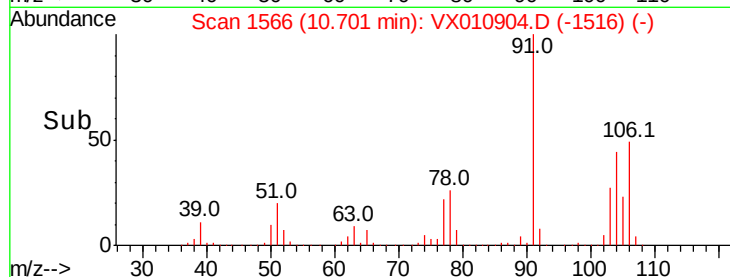
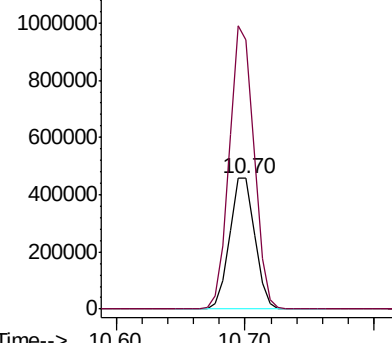
Tot Ion:106 Resp: 615816
Ion Ratio Lower Upper
106 100
91 211.4 105.1 315.3

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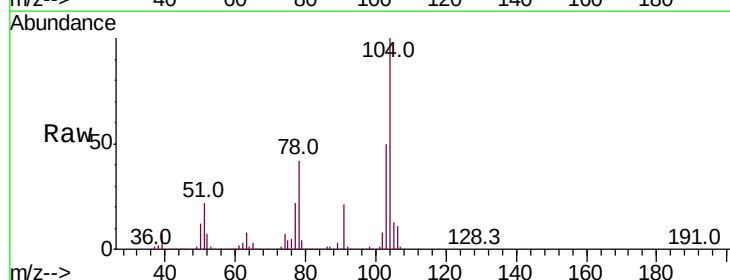


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

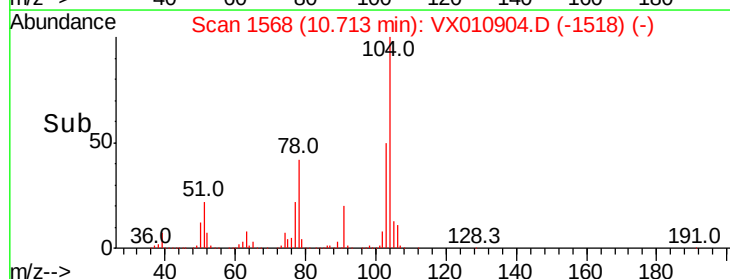
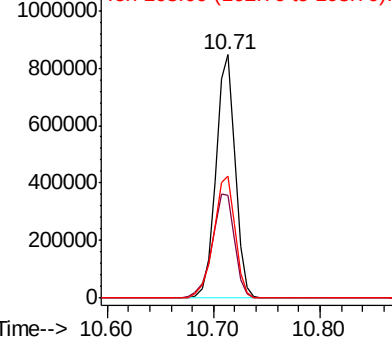


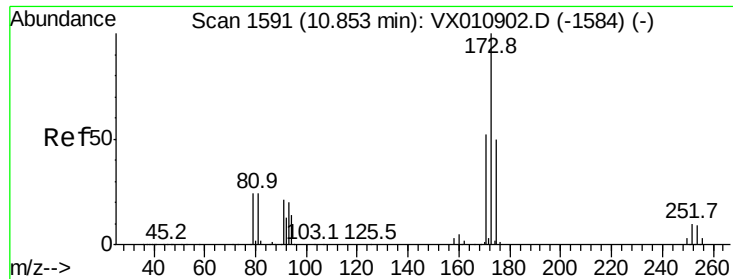
#70
Styrene
Concen: 153.526 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VX010904.D
Acq: 16 Jul 2019 11:39

Tgt Ion:104 Resp: 1075395
Ion Ratio Lower Upper
104 100
78 49.5 38.8 58.2
103 55.2 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 161.742 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010904.D

Acq: 16 Jul 2019 11:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 325572

Ion Ratio Lower Upper

173 100

175 48.7 24.6 73.6

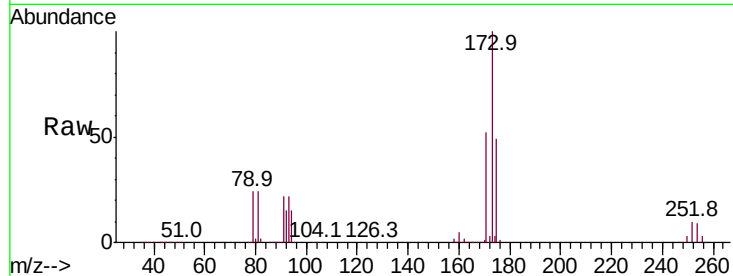
254 0.2 0.1 0.1#

Manual Integrations

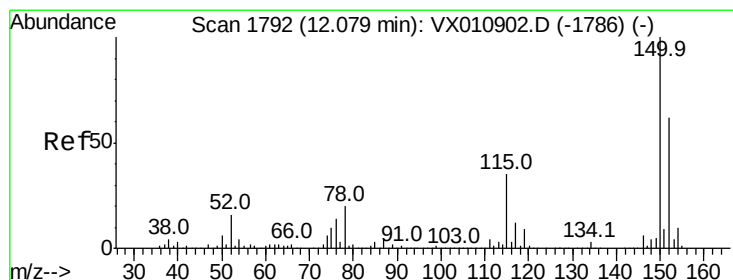
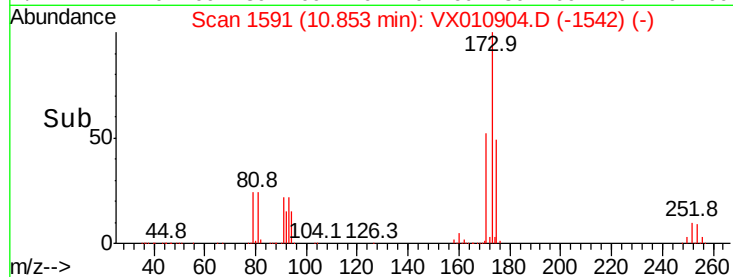
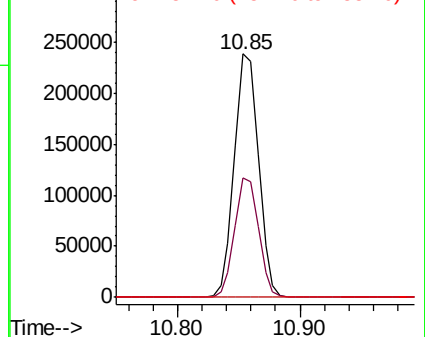
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010904.D

Acq: 16 Jul 2019 11:39

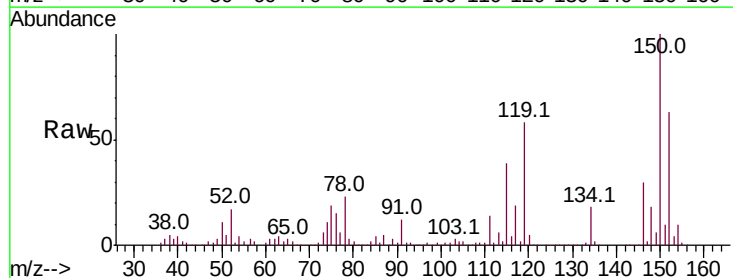
Tgt Ion:152 Resp: 168827

Ion Ratio Lower Upper

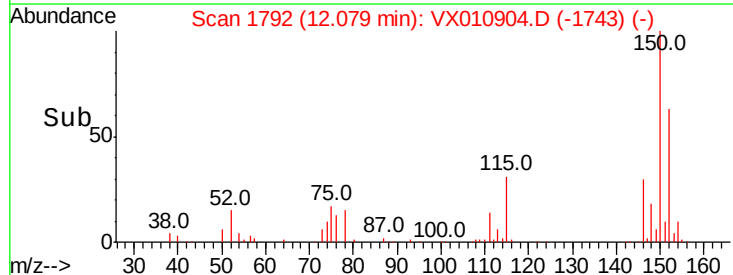
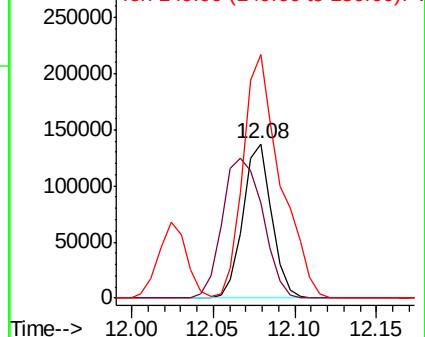
152 100

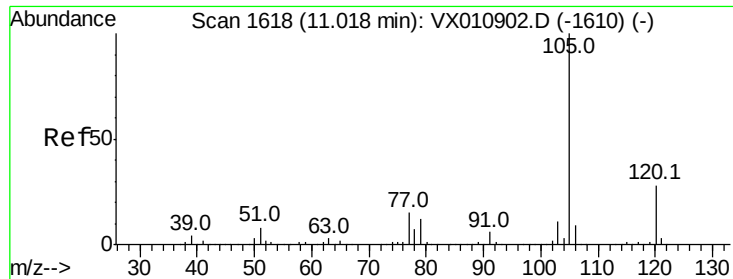
115 127.9 39.7 119.1#

150 205.5 0.0 345.6



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: 146.264 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010904.D

Acq: 16 Jul 2019 11:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1670687

Ion Ratio Lower Upper

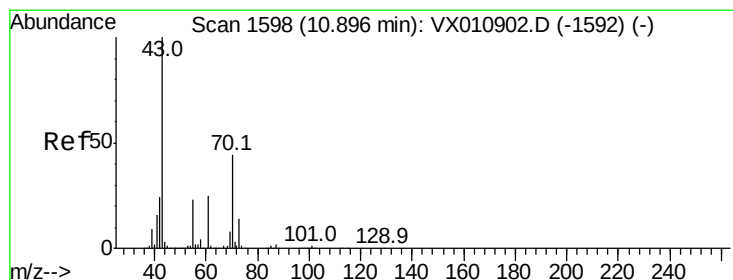
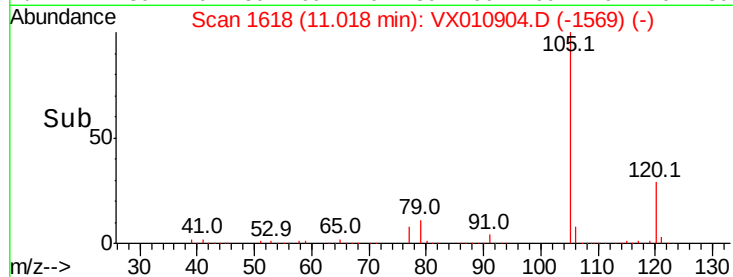
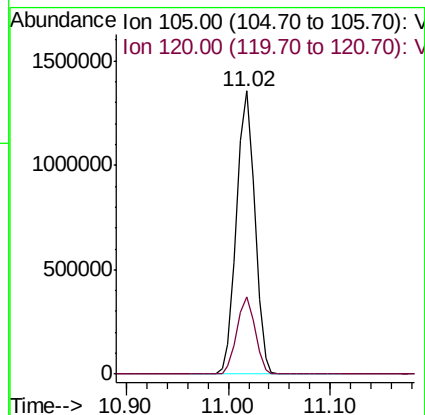
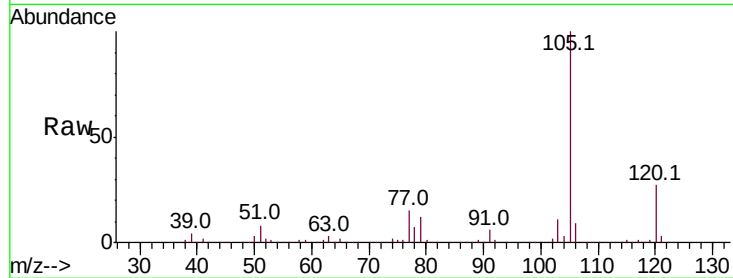
105 100

120 27.2 13.7 41.1

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#74

N-ethyl acetate

Concen: 158.284 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010904.D

Acq: 16 Jul 2019 11:39

Tgt Ion: 43 Resp: 684444

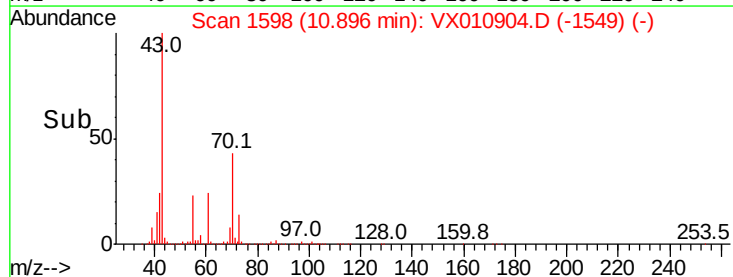
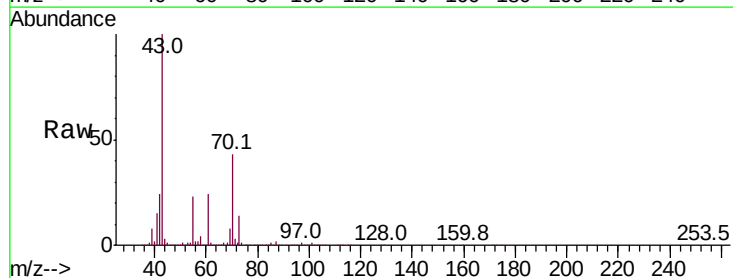
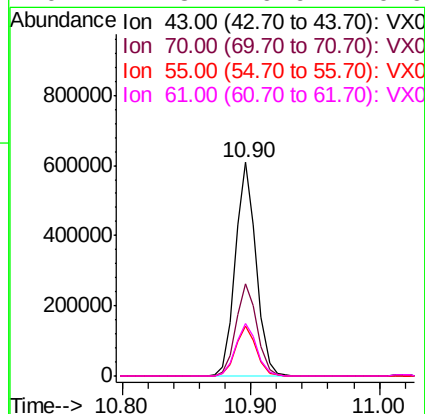
Ion Ratio Lower Upper

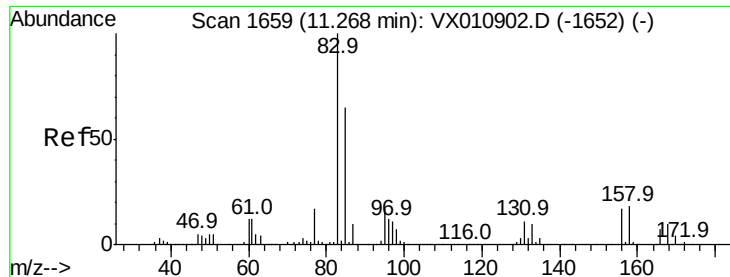
43 100

70 43.6 34.7 52.1

55 23.4 19.1 28.7

61 24.8 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 141.369 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010904.D

Acq: 16 Jul 2019 11:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 534164

Ion Ratio Lower Upper

83 100

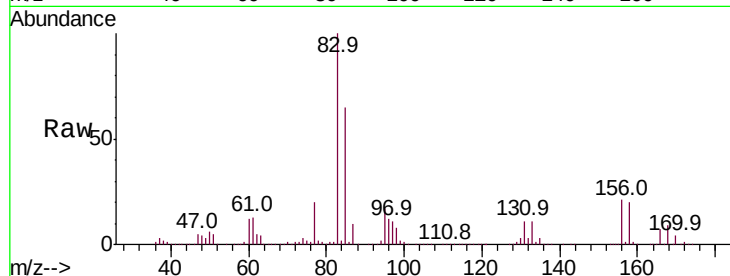
131 11.1 5.5 16.4

85 65.5 32.3 96.9

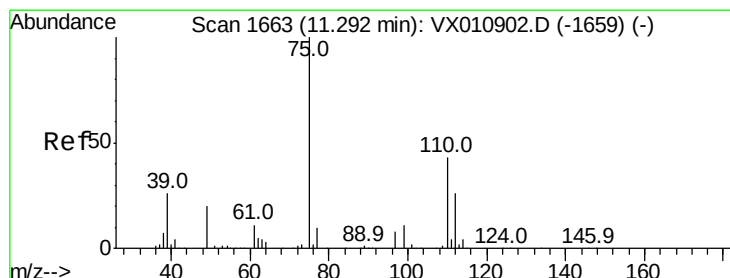
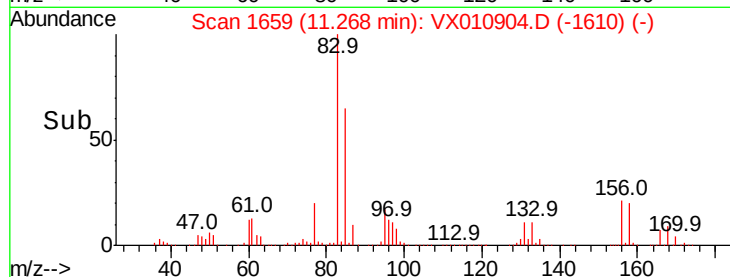
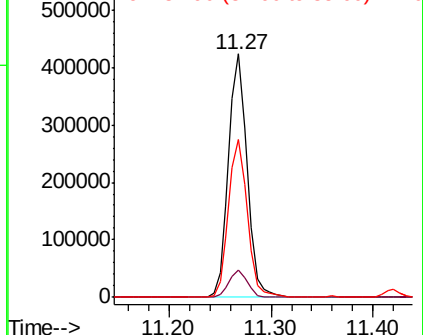
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 143.251 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX010904.D

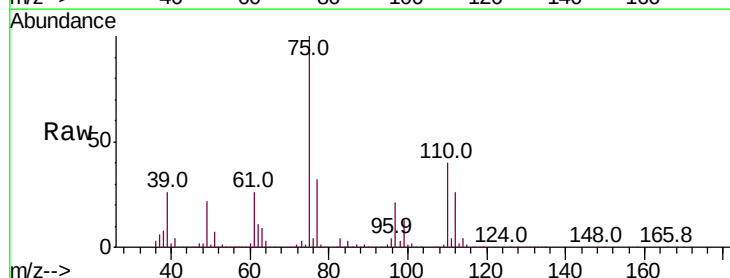
Acq: 16 Jul 2019 11:39

Tgt Ion: 75 Resp: 439868

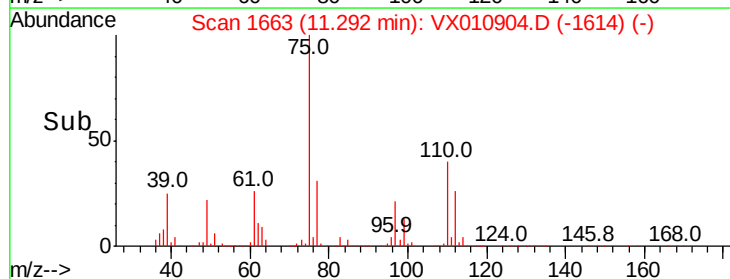
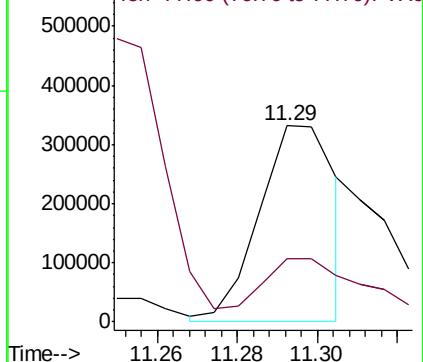
Ion Ratio Lower Upper

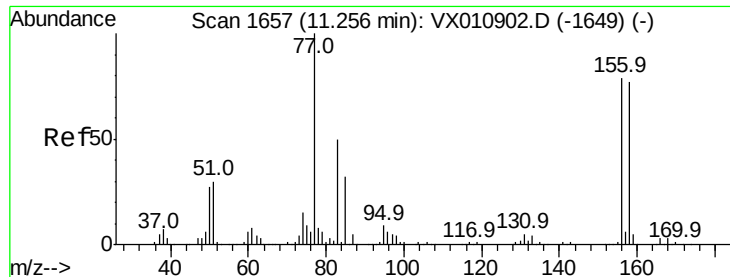
75 100

77 45.4 21.3 64.0



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





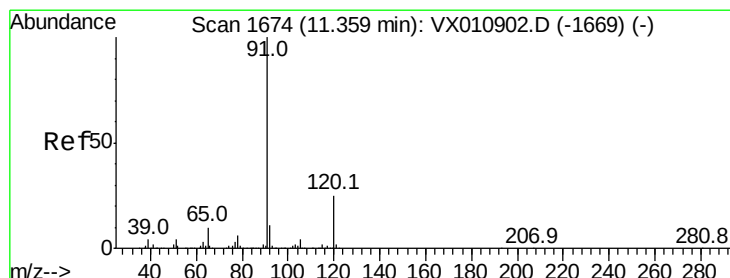
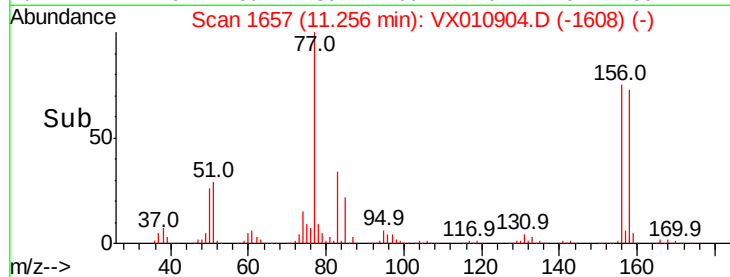
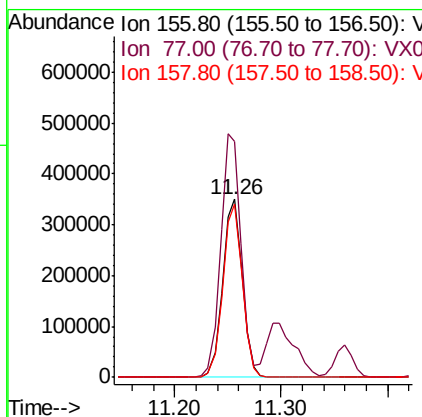
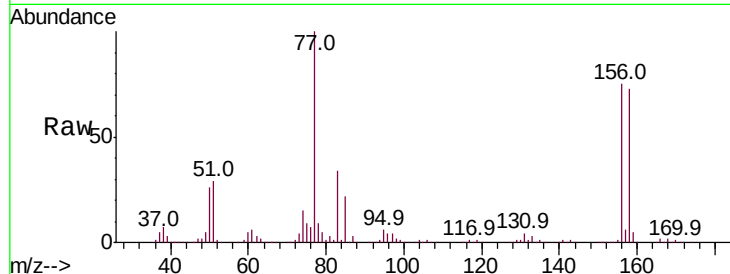
#77
 Bromobenzene
 Concen: 141.554 ug/l
 RT: 11.26 min Scan# 1657
 Delta R.T. 0.00 min
 Lab File: VX010904.D
 Acq: 16 Jul 2019 11:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
156	100		
77	140.2	68.7	206.1
158	96.6	47.9	143.7

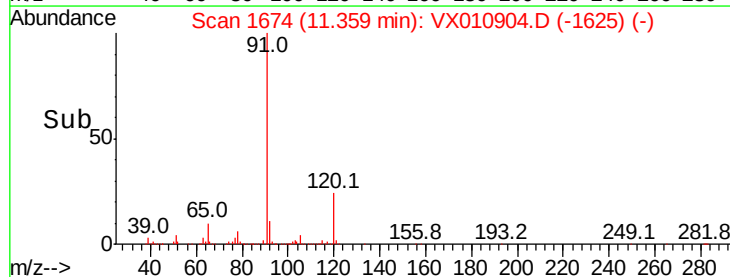
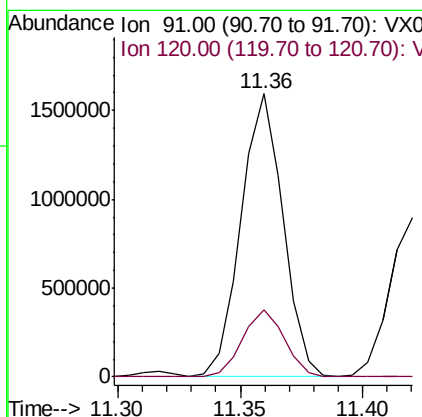
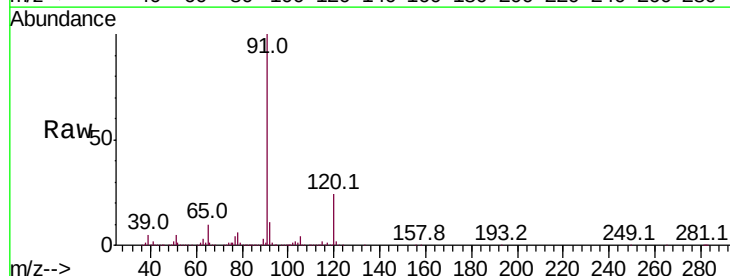
Manual Integrations
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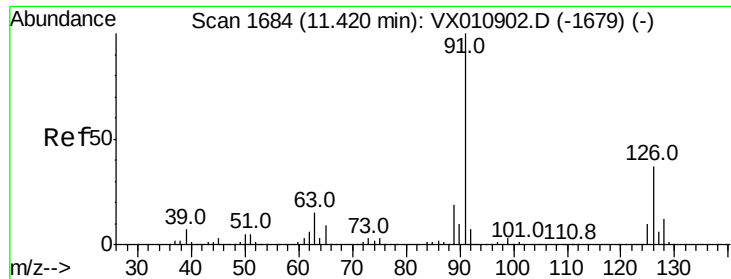
MMDadoda
 7/17/2019 10:45:18 AM



#78
 n-propylbenzene
 Concen: 150.607 ug/l
 RT: 11.36 min Scan# 1674
 Delta R.T. 0.00 min
 Lab File: VX010904.D
 Acq: 16 Jul 2019 11:39

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.8	12.3	36.8





#79

2-Chlorotoluene

Concen: 148.185 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010904.D

Acq: 16 Jul 2019 11:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1110291

Ion Ratio Lower Upper

91 100

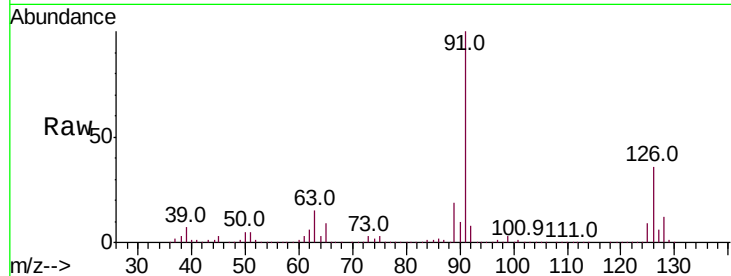
126 35.8 18.0 54.0

Manual Integrations

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7/17/2019 10:45:18 AM



Abundance Ion 91.00 (90.70 to 91.70): VX010902.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX010902.D (-1679) (-)

1500000

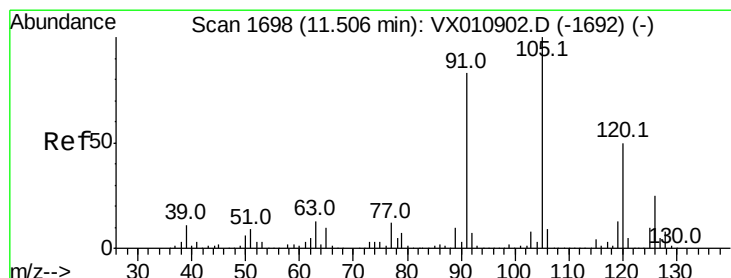
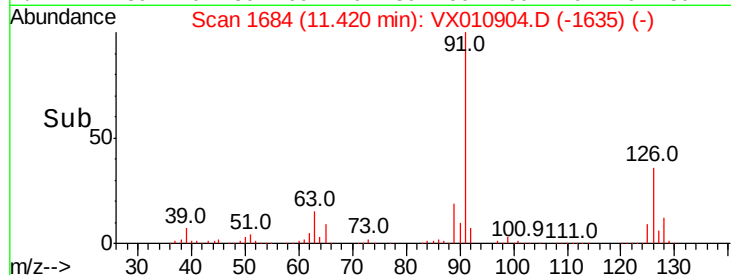
1000000

500000

0

11.40 11.42 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 149.007 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010904.D

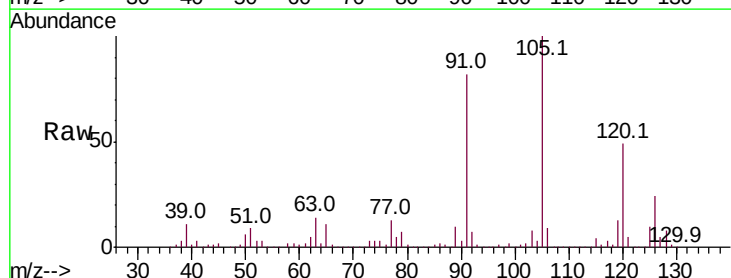
Acq: 16 Jul 2019 11:39

Tgt Ion:105 Resp: 1407124

Ion Ratio Lower Upper

105 100

120 48.9 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): VX010902.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX010902.D (-1692) (-)

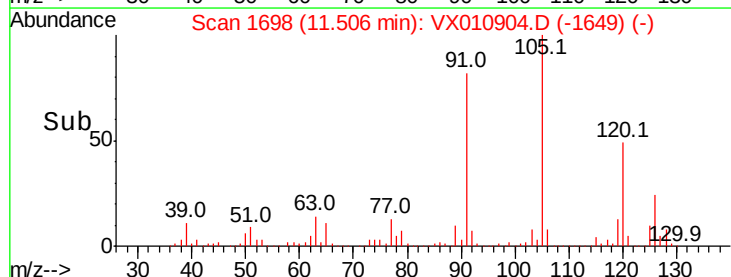
1000000

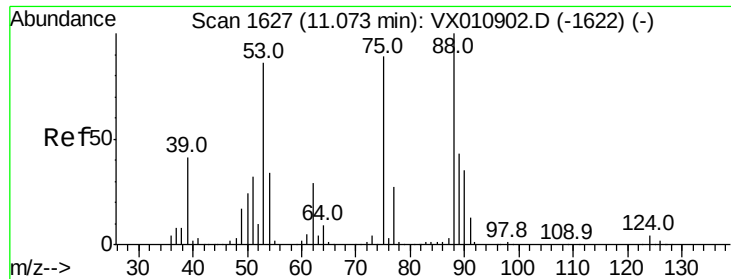
500000

0

11.50 11.51 11.60

Time-->





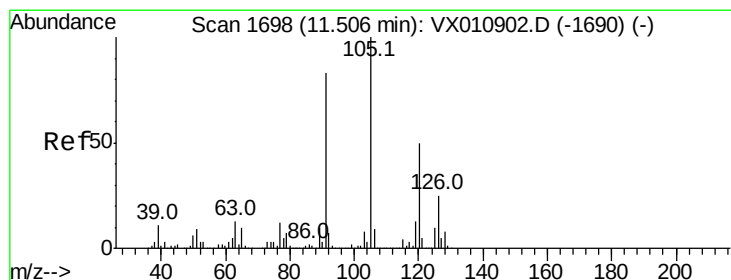
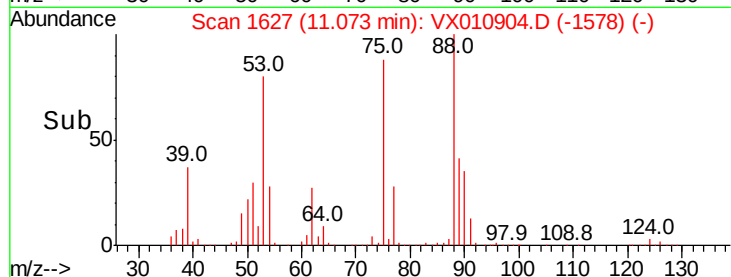
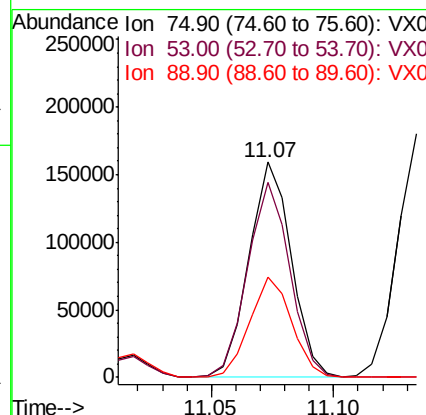
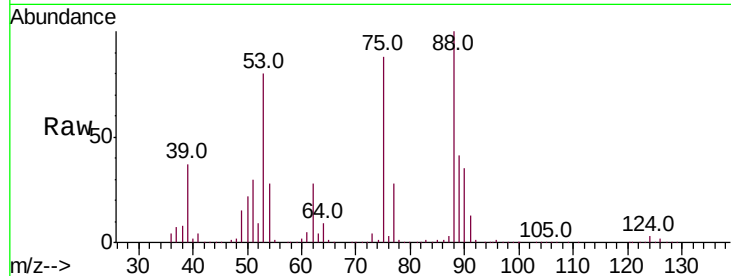
#81
trans-1,4-Dichloro-2-butene
Concen: 149.912 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX010904.D
Acq: 16 Jul 2019 11:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.5	76.7	115.1
89	46.4	38.5	57.7

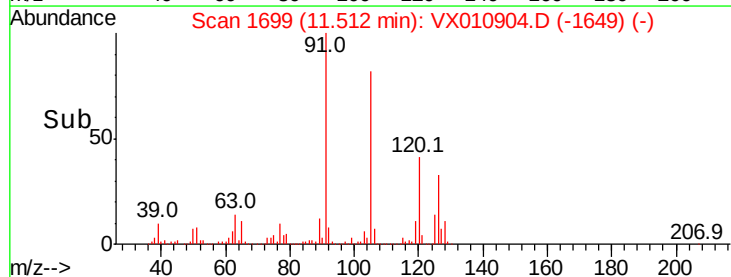
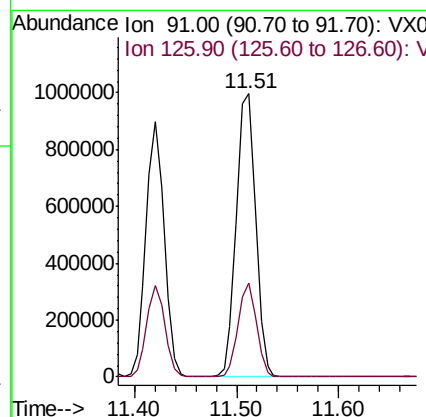
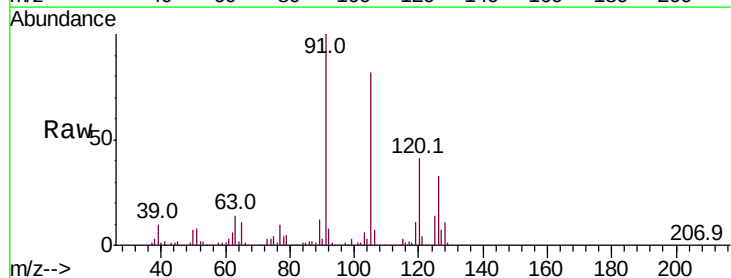
Manual Integrations
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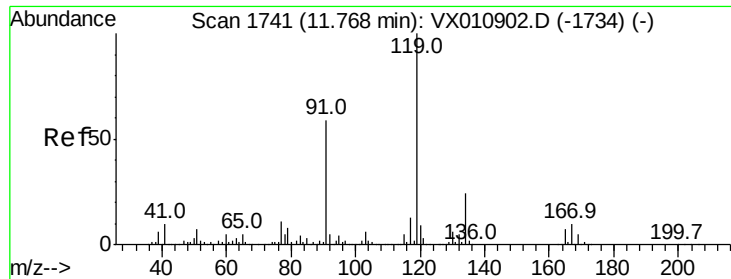
MMDadoda
7/17/2019 10:45:18 AM



#82
4-Chlorotoluene
Concen: 152.674 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.01 min
Lab File: VX010904.D
Acq: 16 Jul 2019 11:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.9	47.7





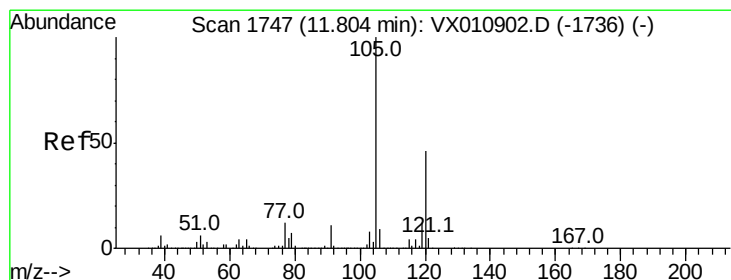
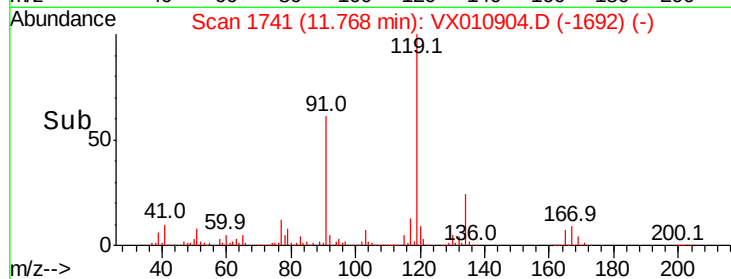
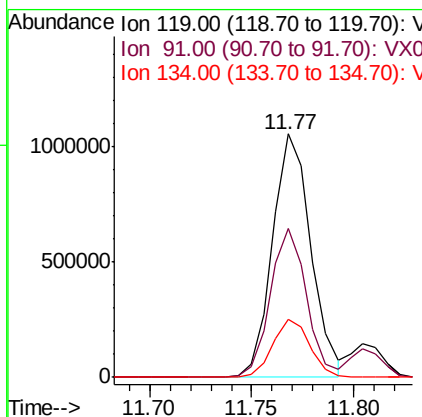
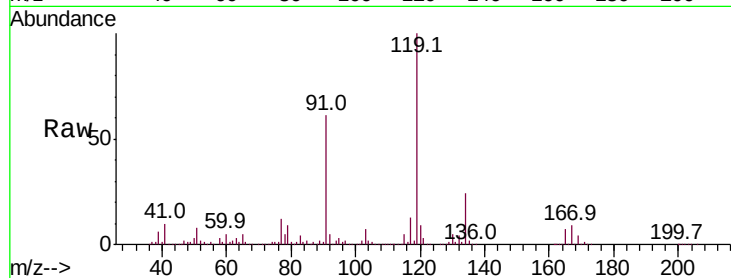
#83
tert-Butylbenzene
Concen: 146.711 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010904.D
Acq: 16 Jul 2019 11:39

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion:119 Resp: 1386746
Ion Ratio Lower Upper
119 100
91 57.7 28.6 85.8
134 23.1 11.6 34.8

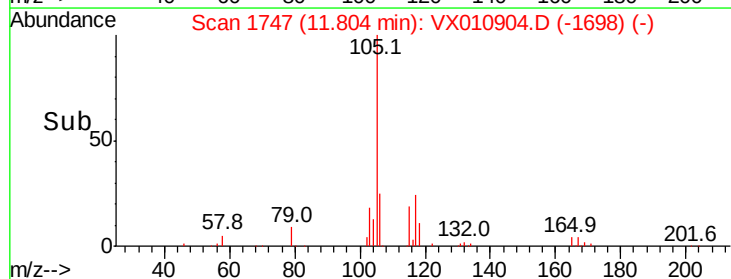
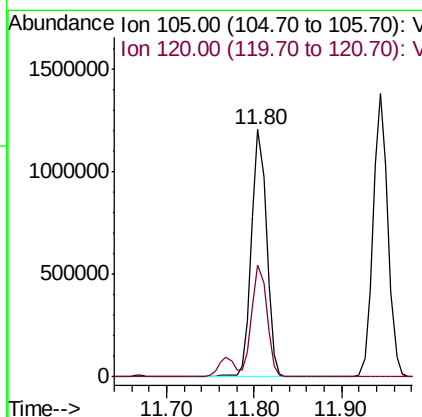
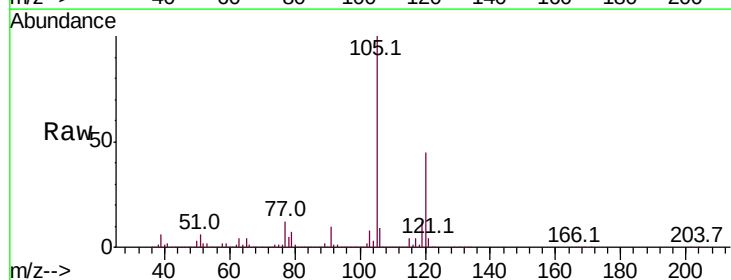
Manual Integrations
APPROVED

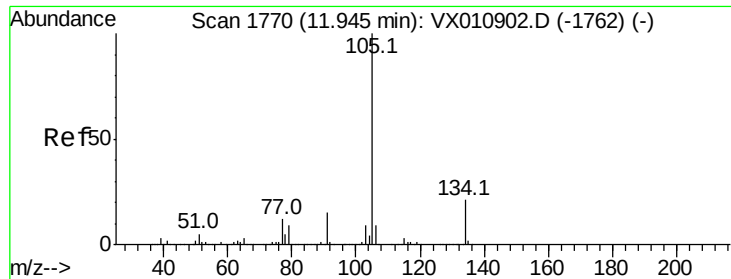
MMDadoda
7/17/2019 10:45:18 AM



#84
1,2,4-Trimethylbenzene
Concen: 150.809 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX010904.D
Acq: 16 Jul 2019 11:39

Tgt Ion:105 Resp: 1428427
Ion Ratio Lower Upper
105 100
120 45.0 22.9 68.5





#85

sec-Butylbenzene

Concen: 148.465 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010904.D

Acq: 16 Jul 2019 11:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1647846

Ion Ratio Lower Upper

105 100

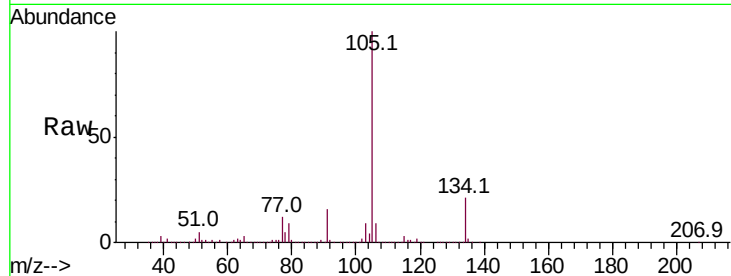
134 20.8 10.4 31.4

Manual Integrations

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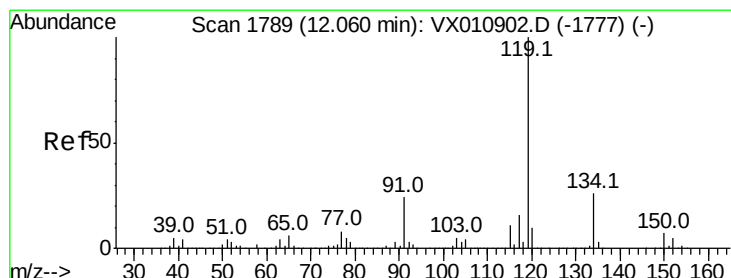
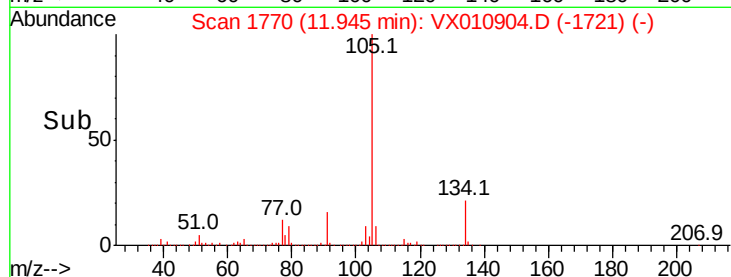
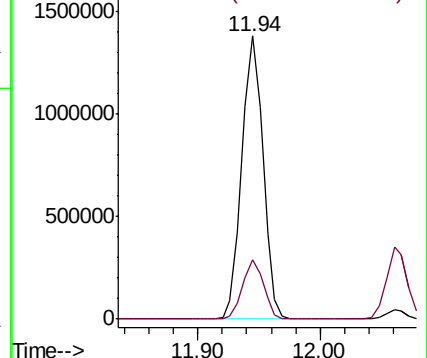
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 149.935 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010904.D

Acq: 16 Jul 2019 11:39

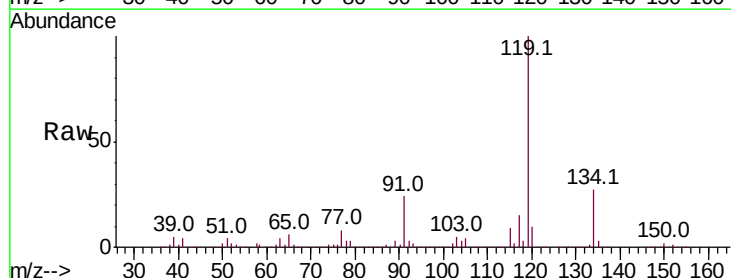
Tgt Ion:119 Resp: 1539540

Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.1

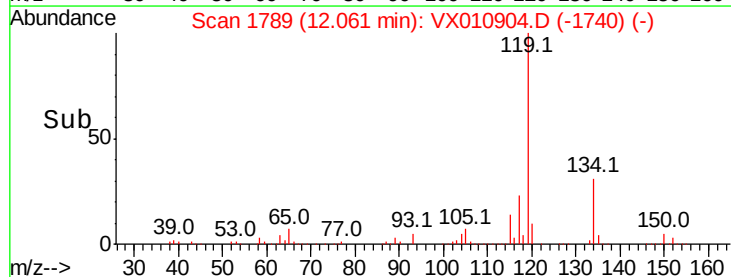
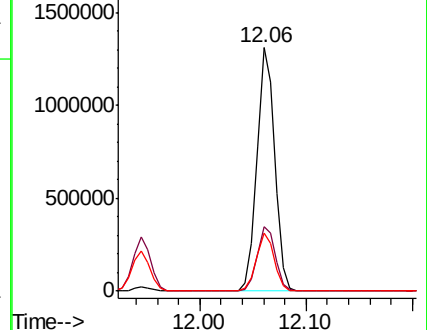
91 23.7 11.8 35.4

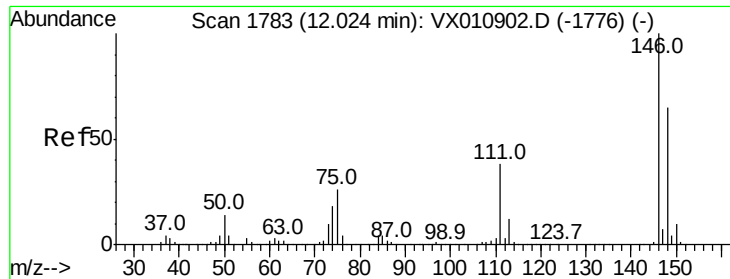


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





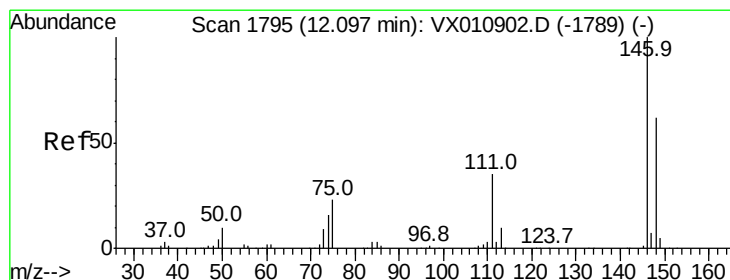
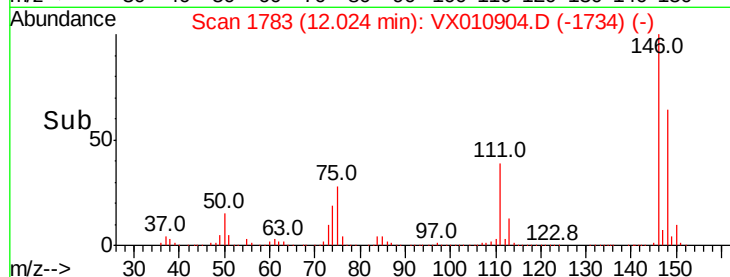
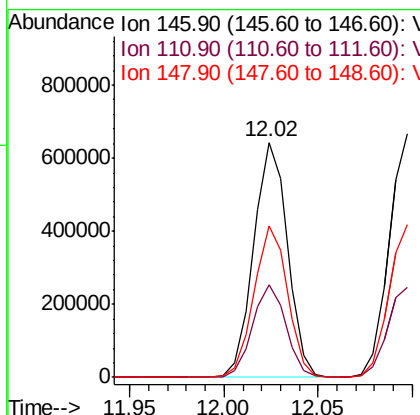
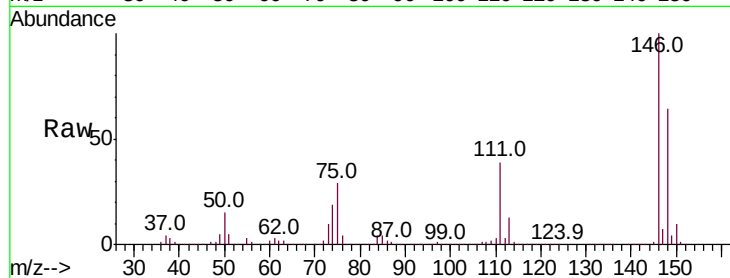
#87
 1,3-Dichlorobenzene
 Concen: 143.853 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010904.D
 Acq: 16 Jul 2019 11:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.9	56.9
148	63.8	32.2	96.6

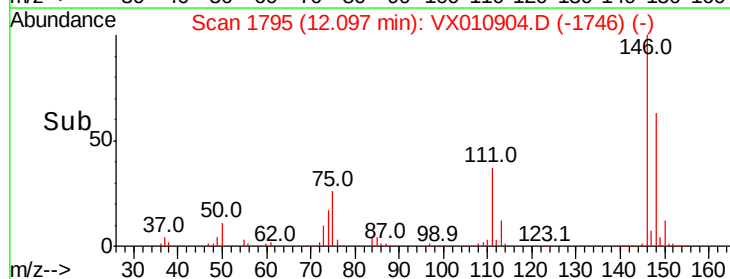
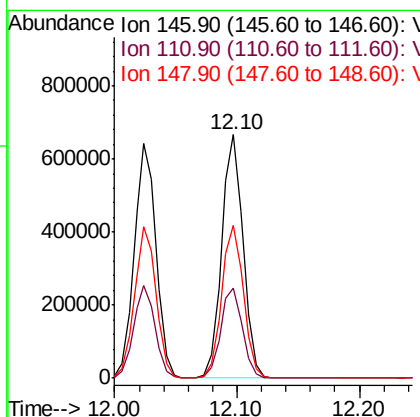
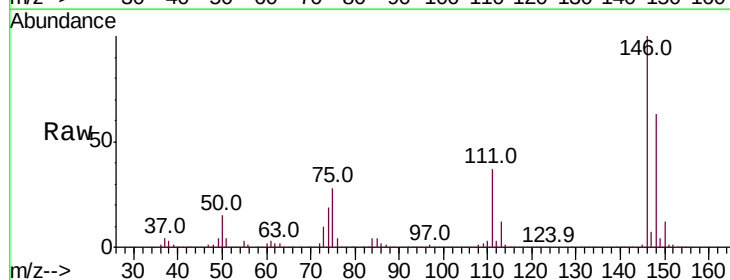
Manual Integrations
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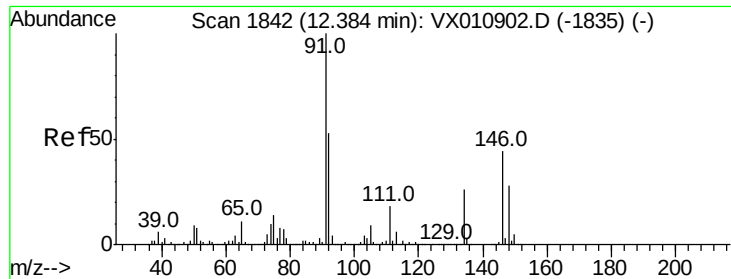
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#88
 1,4-Dichlorobenzene
 Concen: 142.233 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010904.D
 Acq: 16 Jul 2019 11:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.6	55.8
148	63.7	31.6	94.7





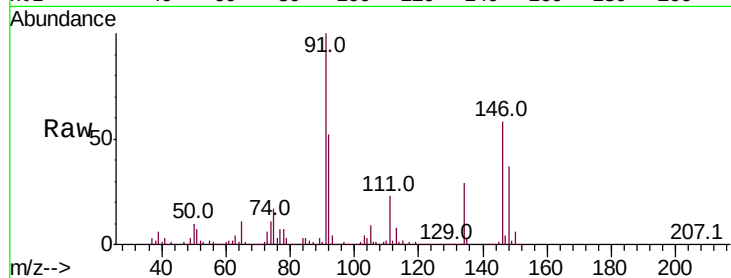
#89
n-Butylbenzene
Concen: 157.833 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX010904.D
Acq: 16 Jul 2019 11:39

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

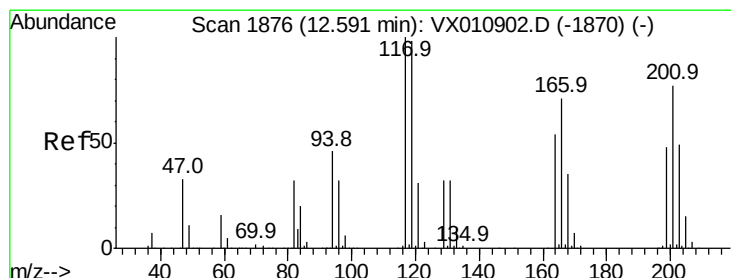
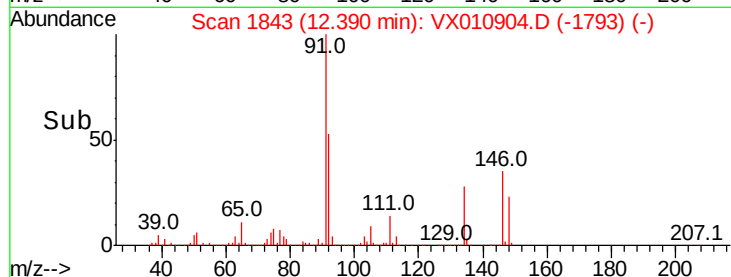
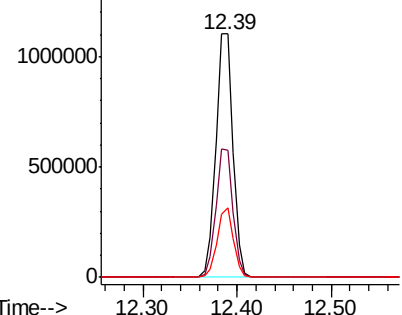
Tot Ion: 91 Resp: 1379396
Ion Ratio Lower Upper
91 100
92 52.6 26.2 78.5
134 27.2 13.8 41.3

Manual Integrations
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MMDadoda
7/17/2019 10:45:18 AM

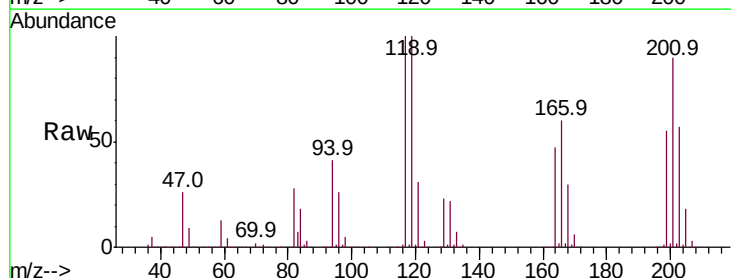


Abundance Ion 91.00 (90.70 to 91.70): VX0
1500000 Ion 92.00 (91.70 to 92.70): VX0
Ion 134.00 (133.70 to 134.70): V

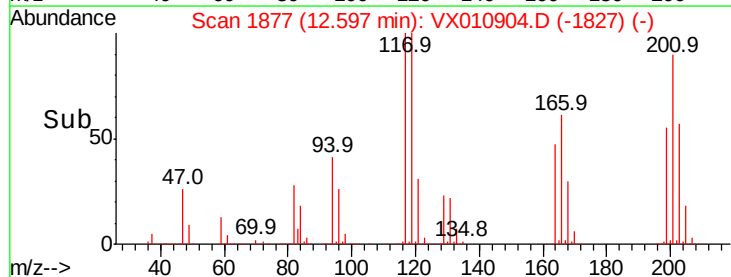
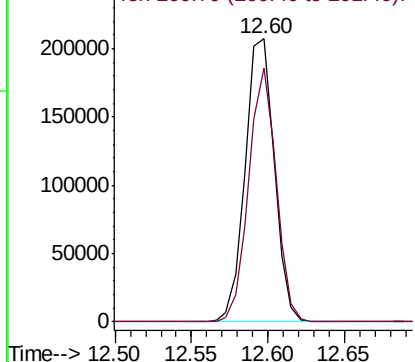


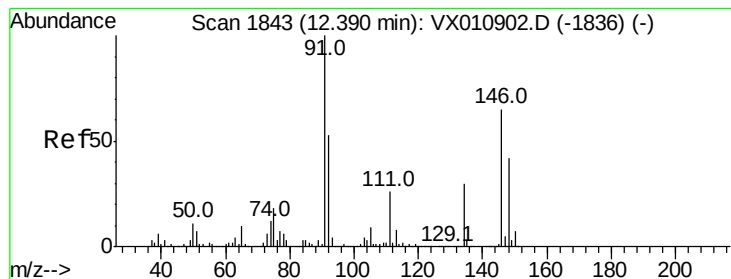
#90
Hexachloroethane
Concen: 157.687 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VX010904.D
Acq: 16 Jul 2019 11:39

Tgt Ion: 117 Resp: 274447
Ion Ratio Lower Upper
117 100
201 84.8 43.3 129.8



Abundance Ion 116.80 (116.50 to 117.50): V
200000 Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 140.130 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX010904.D

Acq: 16 Jul 2019 11:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 775559

Ion Ratio Lower Upper

146 100

111 40.6 19.9 59.7

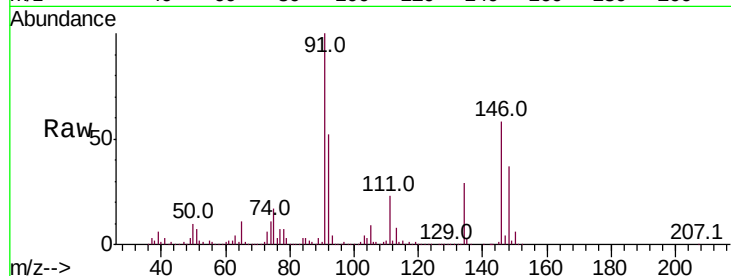
148 64.3 32.0 96.2

Manual Integrations

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MMDadoda

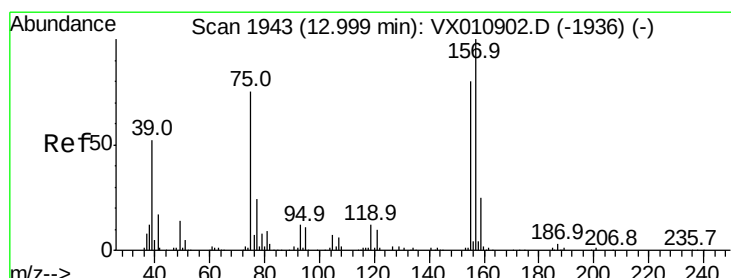
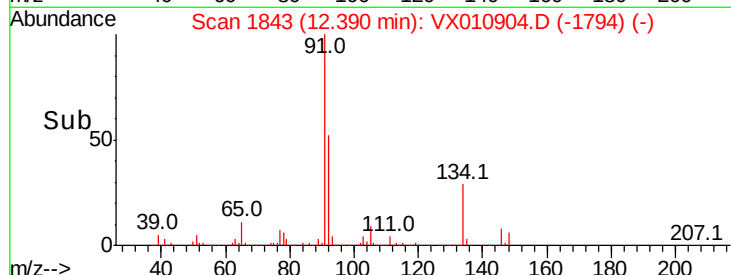
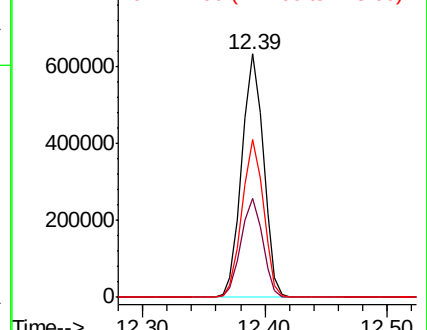
7/17/2019 10:45:18 AM



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: 154.940 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX010904.D

Acq: 16 Jul 2019 11:39

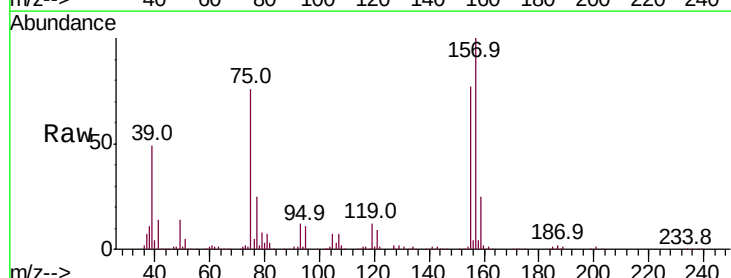
Tgt Ion: 75 Resp: 126788

Ion Ratio Lower Upper

75 100

155 97.6 48.7 146.1

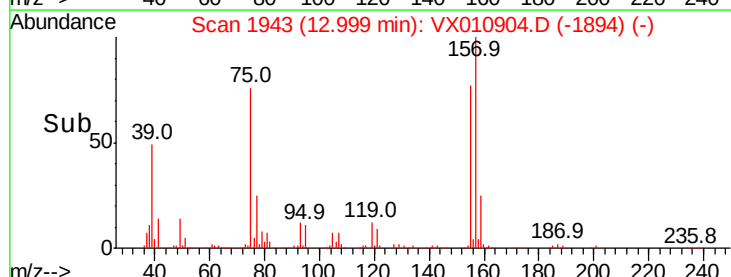
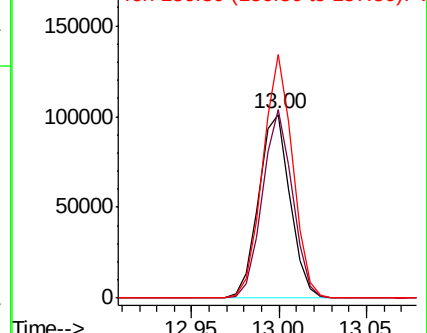
157 125.5 62.5 187.6

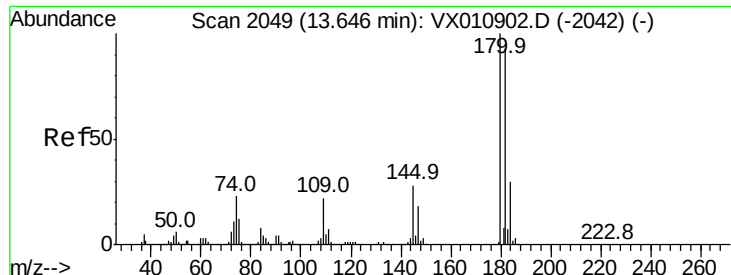


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





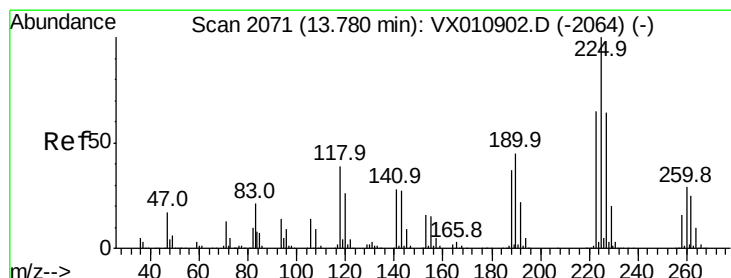
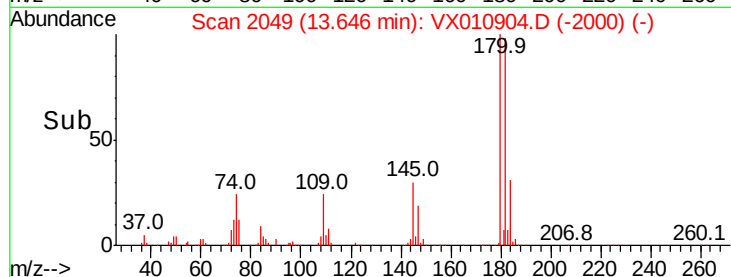
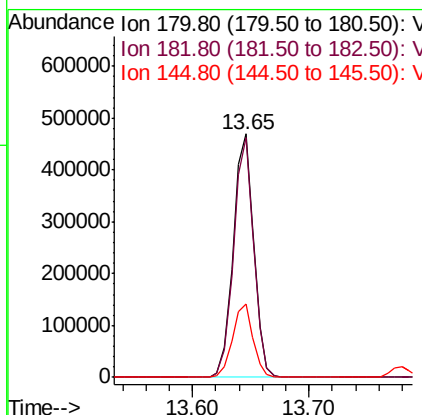
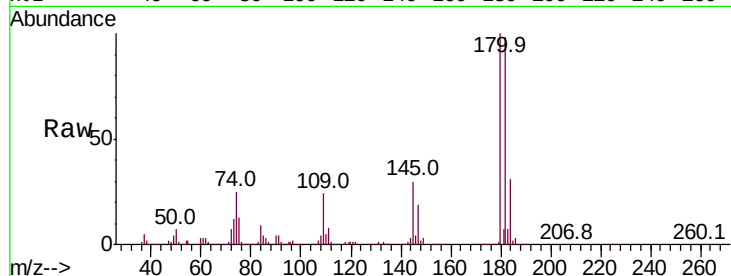
#93
 1,2,4-Trichlorobenzene
 Concen: 150.004 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010904.D
 Acq: 16 Jul 2019 11:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.3	47.1	141.3	
145	30.0	14.8	44.4	

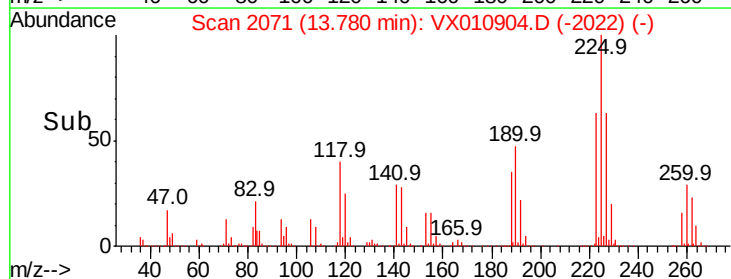
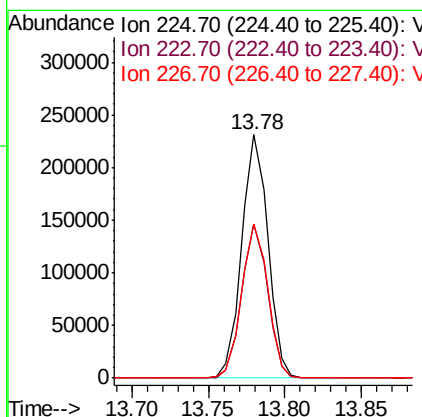
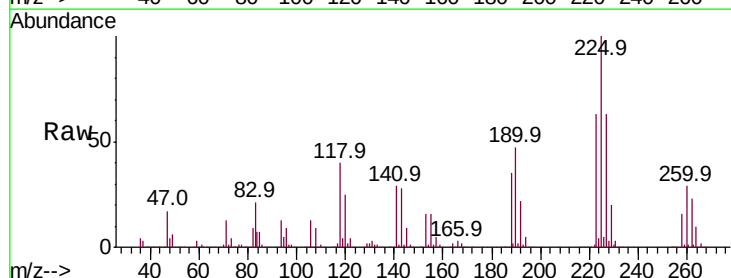
Manual Integrations
 APPROVED

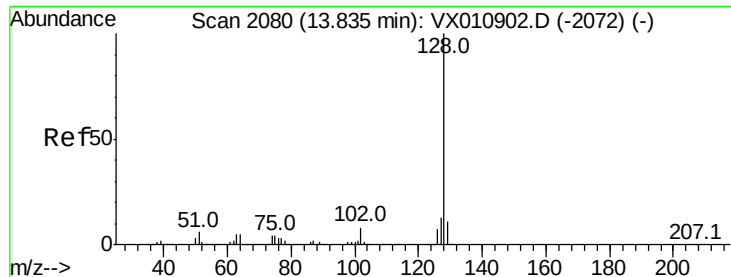
MMDadoda
 7/17/2019 10:45:18 AM



#94
 Hexachlorobutadiene
 Concen: 146.909 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010904.D
 Acq: 16 Jul 2019 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.8	31.9	95.9	
227	63.4	32.5	97.4	





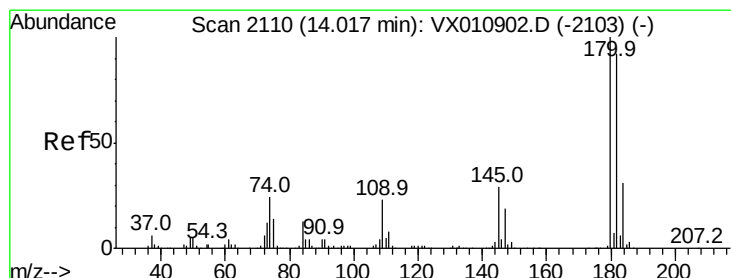
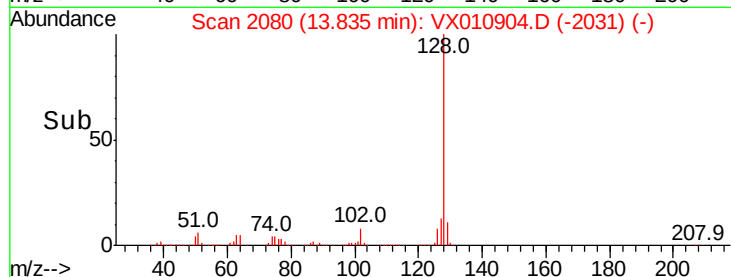
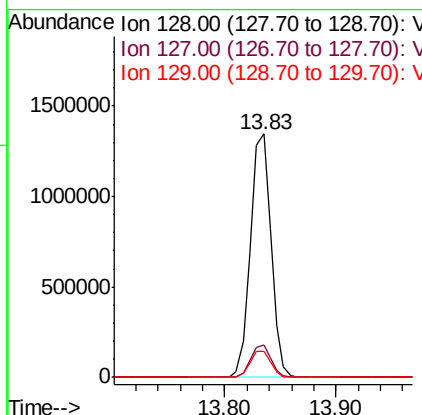
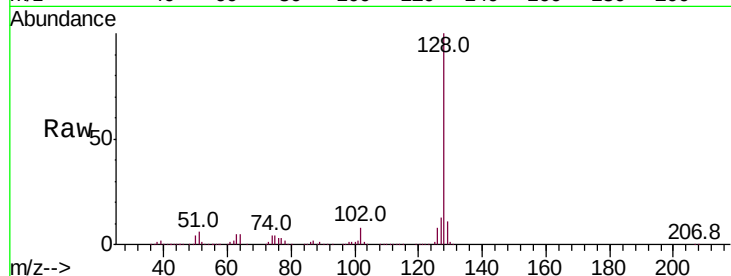
#95
Naphthalene
Concen: 148.474 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010904.D
Acq: 16 Jul 2019 11:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	11.0	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/17/2019 10:45:18 AM



#96
1,2,3-Trichlorobenzene
Concen: 149.298 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX010904.D
Acq: 16 Jul 2019 11:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.4	142.3
145	31.4	15.1	45.3

