

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071919\
 Data File : VX010979.D
 Acq On : 18 Jul 2019 23:31
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 7/19/2019 9:56:35 AM

Quant Time: Jul 19 03:28:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 19 03:13:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	40226	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	224393	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	208531	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	82818	25.79	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	85.97%
60) 4-Bromofluorobenzene	11.13	95	105663	30.28	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.93%
63) Toluene-d8	8.71	98	273665	28.13	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	93.77%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	286164	126.108	ug/l 97
3) Chloromethane	1.32	50	239493	85.618	ug/l 99
4) Vinyl Chloride	1.41	62	253223	90.511	ug/l 97
5) Bromomethane	1.64	94	130155	72.092	ug/l 98
6) Chloroethane	1.71	64	146854	81.866	ug/l 96
7) Trichlorofluoromethane	1.92	101	418169	114.022	ug/l 95
8) Diethyl Ether	2.19	74	134831	84.728	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	230114	104.200	ug/l 99
10) 1,1-Dichloroethene	2.37	96	227011	102.262	ug/l 96
11) Methyl Iodide	2.51	142	347050	138.515	ug/l 96
12) Methyl Acetate	2.78	43	330324	82.695	ug/l 98
13) Acrolein	2.29	56	194431	358.468	ug/l 100
14) Acrylonitrile	3.14	53	639006	376.099	ug/l 99
15) Acetone	2.45	58	174137	360.445	ug/l 97
16) Carbon Disulfide	2.57	76	622758	105.468	ug/l 99
17) Allyl chloride	2.73	41	343743	70.313	ug/l 99
18) Methylene Chloride	2.85	84	252720	95.634	ug/l 97
19) trans-1,2-Dichloroethene	3.17	96	244260	103.179	ug/l 99
20) Diisopropyl ether	3.85	45	709193	72.960	ug/l 98
21) 1,1-Dichloroethane	3.70	63	411017	84.953	ug/l 99
22) cis-1,2-Dichloroethene	4.59	96	280255	99.595	ug/l 98
23) tert-Butyl Alcohol	3.06	59	300404	403.634	ug/l 100
24) Methyl tert-Butyl Ether	3.20	73	750087	89.522	ug/l 99
25) Chloroform	5.21	83	446233	98.285	ug/l 99
26) Cyclohexane	5.58	56	365604	81.543	ug/l # 96
29) 1,1-Dichloropropene	5.80	75	326977	100.156	ug/l 99
30) 2-Butanone	4.67	43	888992	369.414	ug/l 100
31) 2,2-Dichloropropane	4.58	77	294718	85.625	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	409022	113.248	ug/l 98
33) Carbon Tetrachloride	5.79	117	365224	120.995	ug/l 99
34) Benzene	6.14	78	971712	97.117	ug/l 98
35) Methacrylonitrile	5.04	41	188629	75.436	ug/l 98
36) 1,2-Dichloroethane	6.19	62	352868	97.875	ug/l # 88
37) Trichloroethene	7.21	130	286084	114.095	ug/l 97
38) Methylcyclohexane	7.46	83	408813	100.815	ug/l 100
39) 1,2-Dichloropropane	7.51	63	244908	87.851	ug/l 98
40) Dibromomethane	7.66	93	181468	109.531	ug/l 99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	348820	106.006	ug/l	100
42) Vinyl Acetate	3.82	43	2976781	376.617	ug/l	100
43) Ethyl Acetate	4.84	43	340662	78.371	ug/l	100
44) Isopropyl Acetate	6.45	43	566780	79.565	ug/l	100
45) 1,4-Dioxane	7.74	88	139348	1885.555	ug/l	97
46) Methyl methacrylate	7.77	41	281965	79.905	ug/l	99
47) n-amyl Acetate	10.90	43	522219	81.488	ug/l	98
48) t-1,3-Dichloropropene	9.04	75	382092	101.237	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	405943	97.731	ug/l	100
50) 1,1,2-Trichloroethane	9.21	97	269249	107.048	ug/l	97
51) Ethyl methacrylate	9.18	69	426550	95.077	ug/l	98
52) 1,3-Dichloropropane	9.37	76	426723	97.341	ug/l	100
53) Dibromochloromethane	9.58	129	313973	124.010	ug/l	100
54) 1,2-Dibromoethane	9.67	107	297399	114.089	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	858673	374.477	ug/l	99
56) Bromoform	10.85	173	242346	125.726	ug/l	100
58) 4-Methyl-2-Pentanone	8.64	43	1810791	376.385	ug/l	99
59) 2-Hexanone	9.49	43	1376090	366.197	ug/l	99
61) Tetrachloroethene	9.34	164	270584	112.601	ug/l	96
62) Toluene	8.78	91	1122520	100.922	ug/l	99
64) Chlorobenzene	10.13	112	727675	107.181	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	281222	113.503	ug/l	99
66) Ethyl Benzene	10.25	91	1280837	103.170	ug/l	98
67) m/p-Xylenes	10.36	106	982794	213.858	ug/l	96
68) o-Xylene	10.69	106	477768	105.913	ug/l	98
69) Styrene	10.71	104	829957	106.042	ug/l	98
70) Isopropylbenzene	11.02	105	1300805	107.974	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	410162	94.850	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	345440m	93.858	ug/l	
73) Bromobenzene	11.26	156	346593	114.173	ug/l	98
74) n-propylbenzene	11.36	91	1483106	106.774	ug/l	100
75) 2-Chlorotoluene	11.42	91	863564	103.927	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	1100042	107.542	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	133040	92.740	ug/l	89
78) 4-Chlorotoluene	11.51	91	1006955	106.368	ug/l	98
79) tert-butylbenzene	11.77	119	1075223	108.967	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	1099970	107.179	ug/l	99
81) sec-Butylbenzene	11.94	105	1268507	108.071	ug/l	100
82) p-Isopropyltoluene	12.06	119	1184820	110.544	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	616176	113.525	ug/l	98
84) 1,4-Dichlorobenzene	12.10	146	621951	114.630	ug/l	99
85) n-Butylbenzene	12.38	91	1038890	107.146	ug/l	99
86) Hexachloroethane	12.60	117	205474	116.254	ug/l	100
87) 1,2-Dichlorobenzene	12.39	146	591144	108.191	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.00	75	95523	96.508	ug/l	98
89) 1,2,4-Trichlorobenzene	13.65	180	428390	111.074	ug/l	98
90) Hexachlorobutadiene	13.78	225	199365	104.049	ug/l	96
91) Naphthalene	13.83	128	1306722	105.023	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	424144	108.740	ug/l	99

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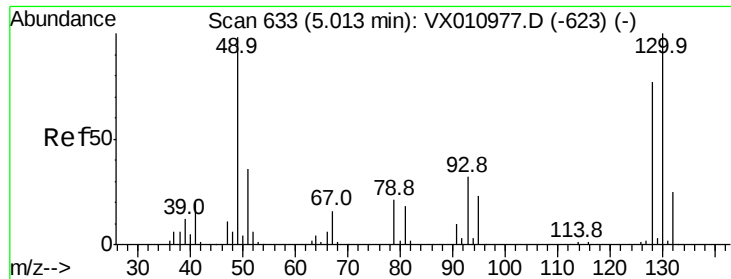
Manual Integrations
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QLast Update : Fri Jul 19 03:13:22 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.01 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

Instrument :

MSVOA_X

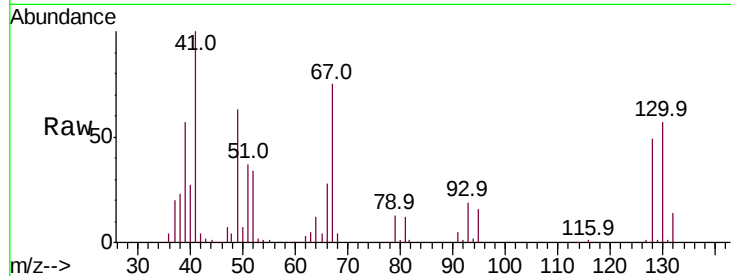
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
49	139.5	0.0	343.5
130	125.7	0.0	324.7

Manual Integrations
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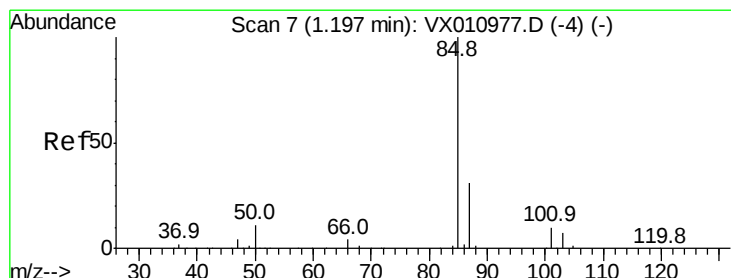
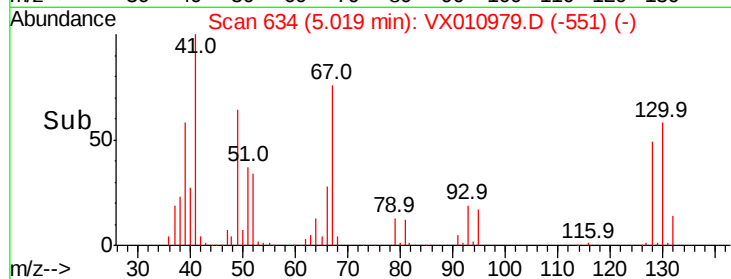
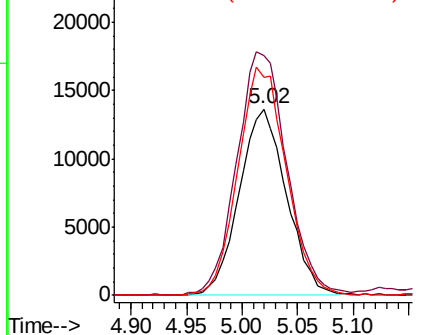
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 126.108 ug/l

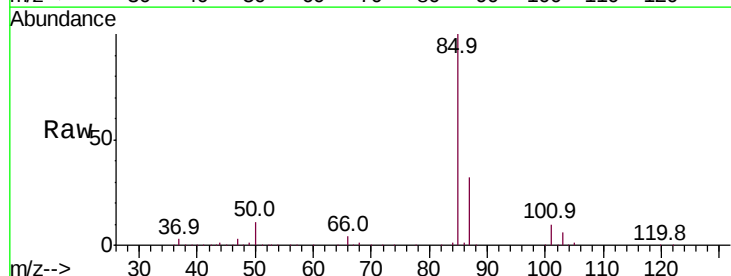
RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010979.D

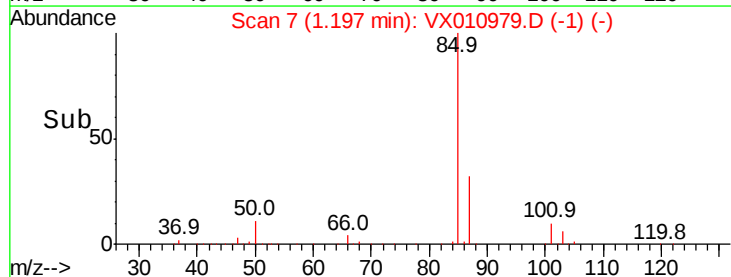
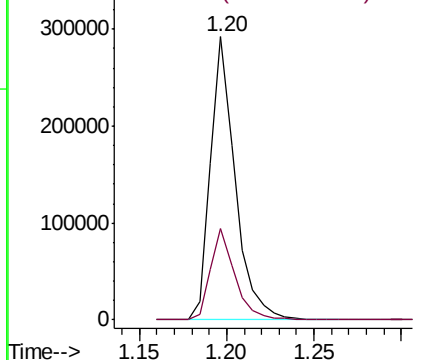
Acq: 18 Jul 2019 23:31

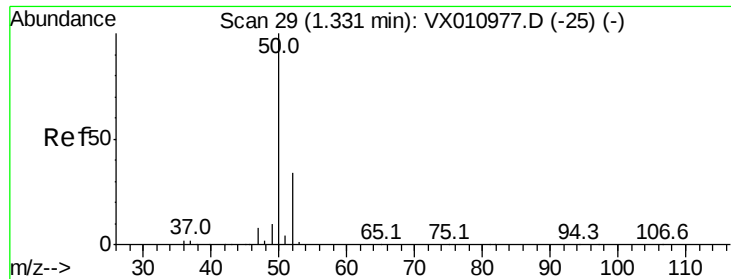
Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.3	15.4	46.1



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 85.618 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 239493

Ion Ratio Lower Upper

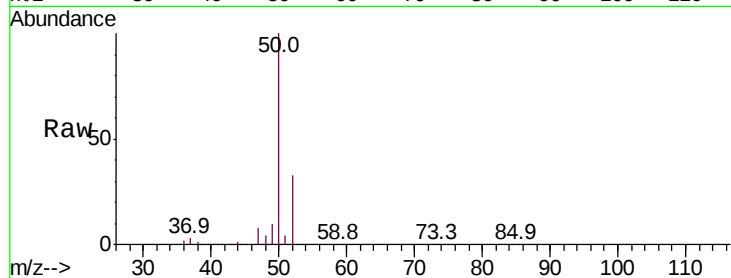
50 100

52 33.3 27.3 40.9

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Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

1.32

250000

200000

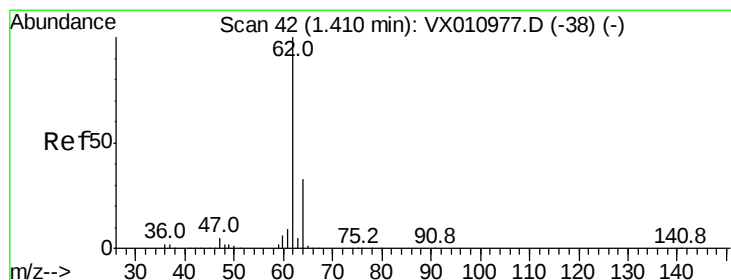
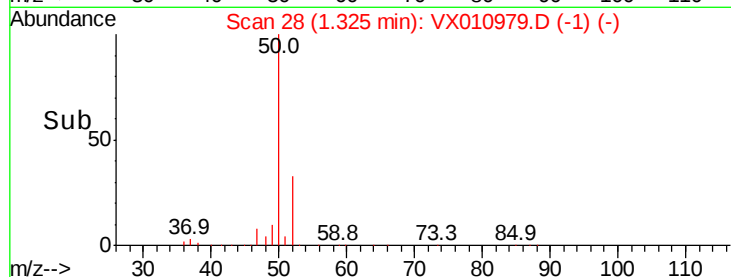
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 90.511 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010979.D

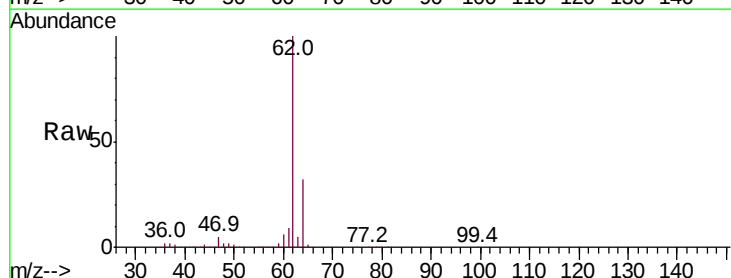
Acq: 18 Jul 2019 23:31

Tgt Ion: 62 Resp: 253223

Ion Ratio Lower Upper

62 100

64 31.7 26.8 40.2



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0

1.41

250000

200000

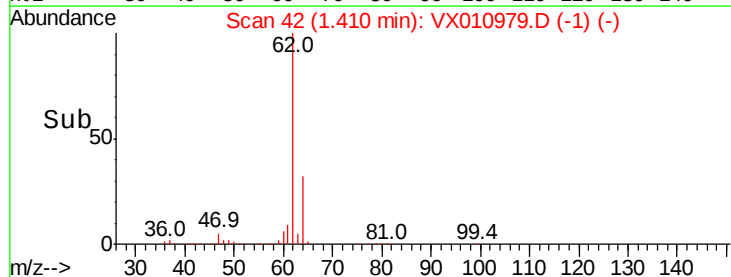
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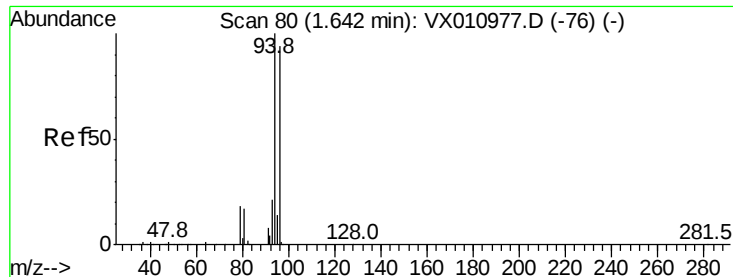
100000

50000

0

Time-->





#5

Bromomethane

Concen: 72.092 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 94 Resp: 130155

Ion Ratio Lower Upper

94 100

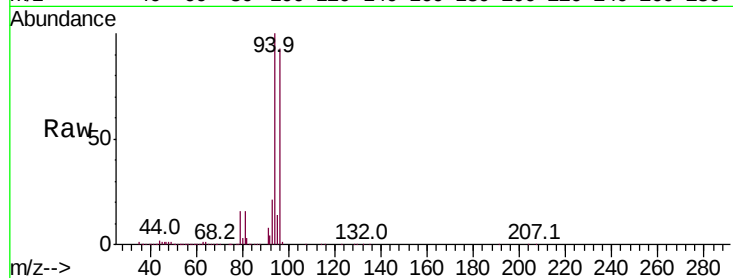
96 92.6 75.4 113.2

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

150000

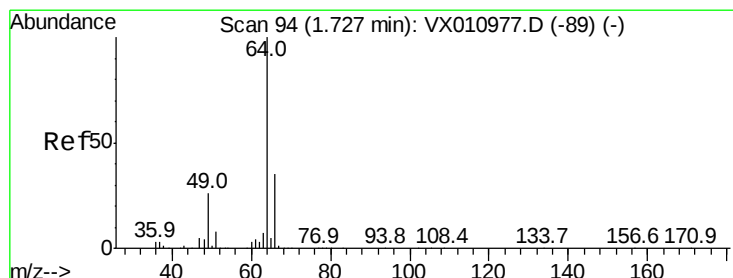
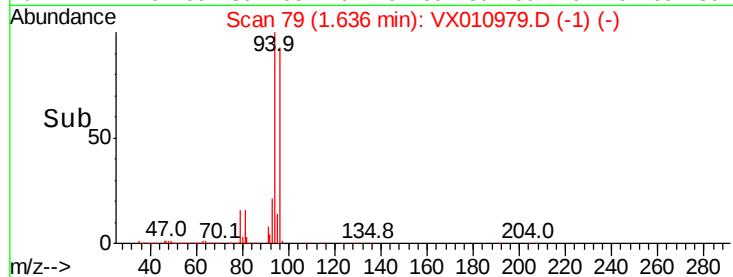
100000

50000

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 81.866 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX010979.D

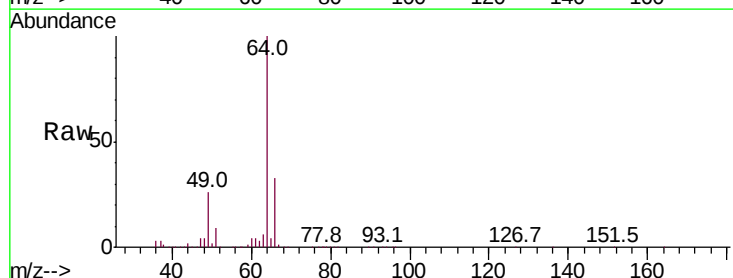
Acq: 18 Jul 2019 23:31

Tgt Ion: 64 Resp: 146854

Ion Ratio Lower Upper

64 100

66 33.0 28.1 42.1



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

120000

100000

80000

60000

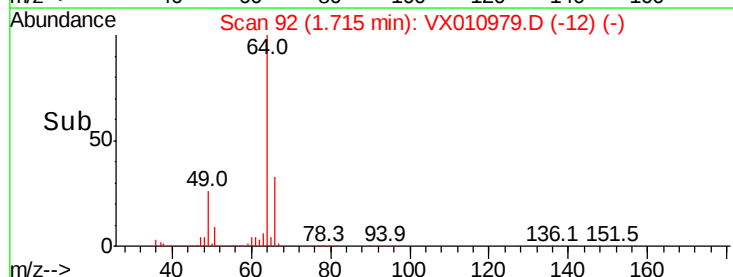
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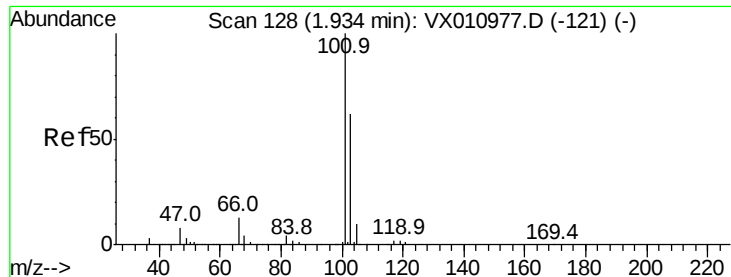
20000

0

1.65 1.70 1.75 1.80

Time-->





#7

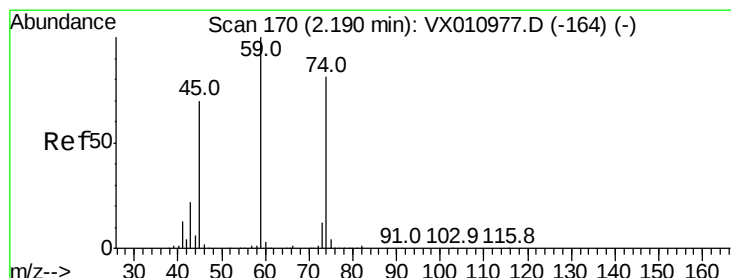
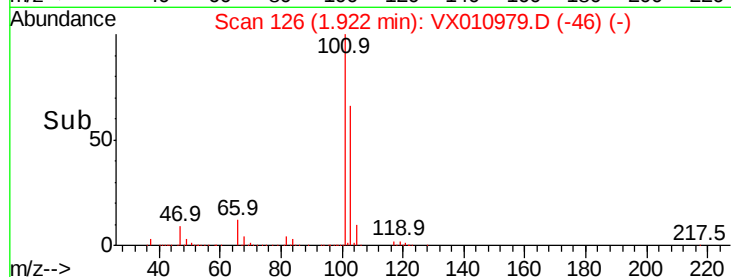
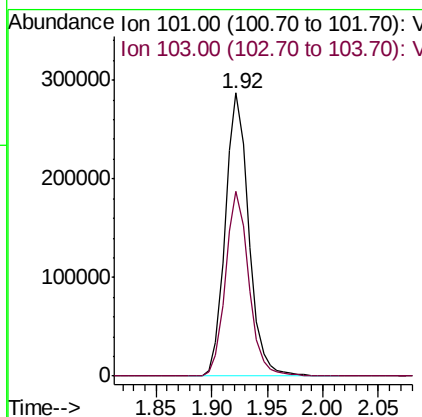
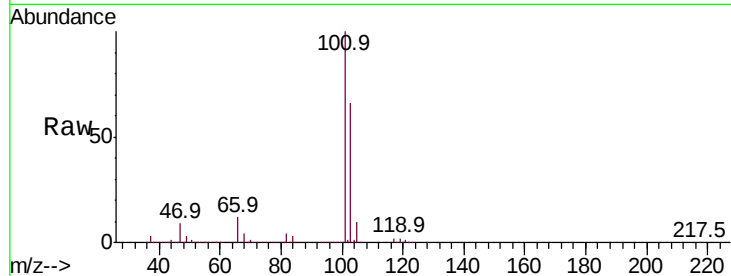
Trichlorofluoromethane
Concen: 114.022 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	49.6	74.4

Manual Integrations
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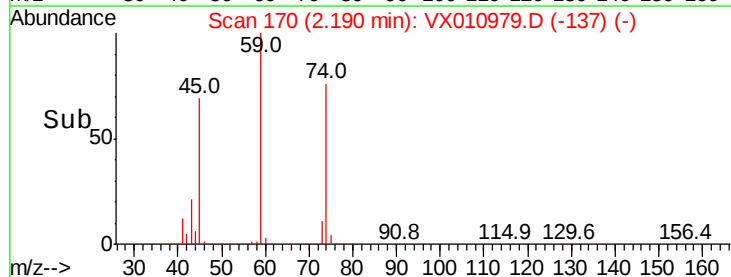
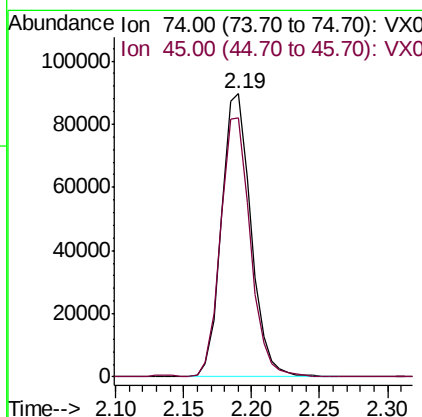
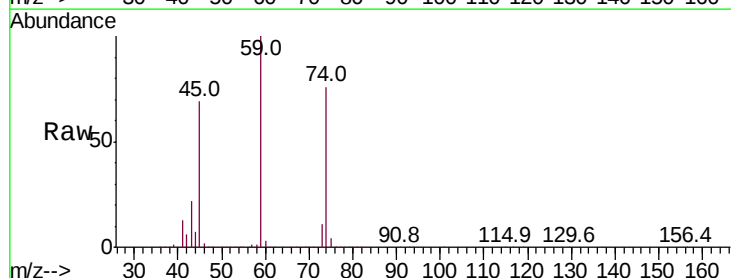
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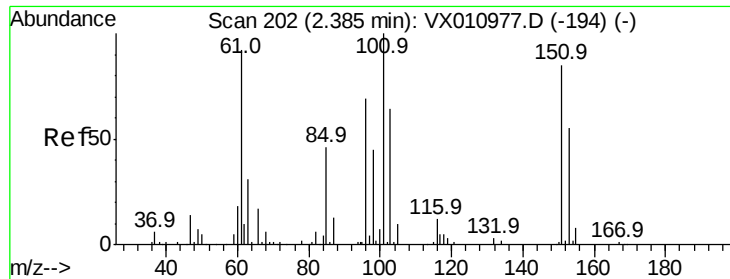


#8

Diethyl Ether
Concen: 84.728 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.5	18.3	164.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 104.200 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

Instrument :

MSVOA_X

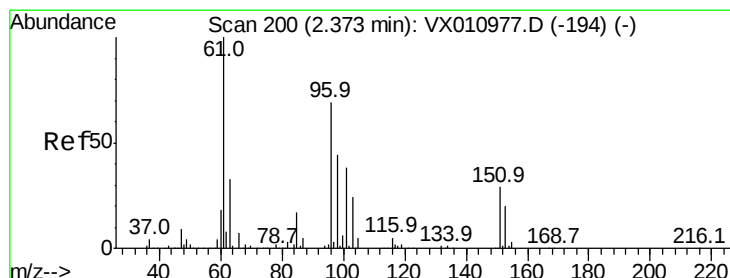
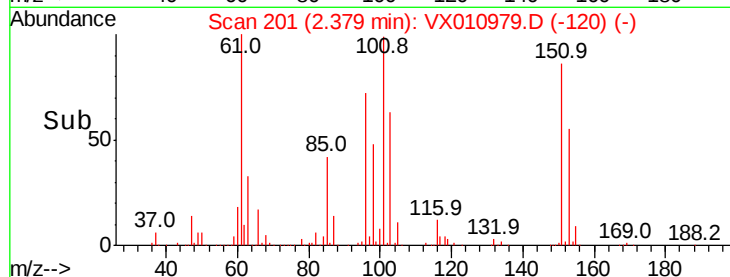
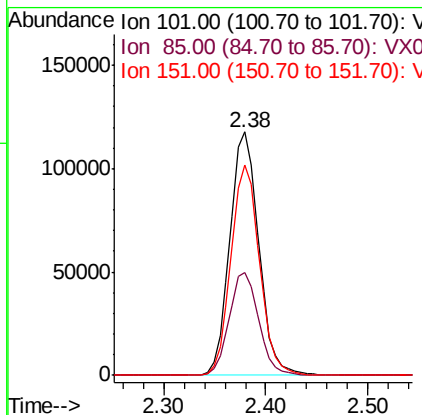
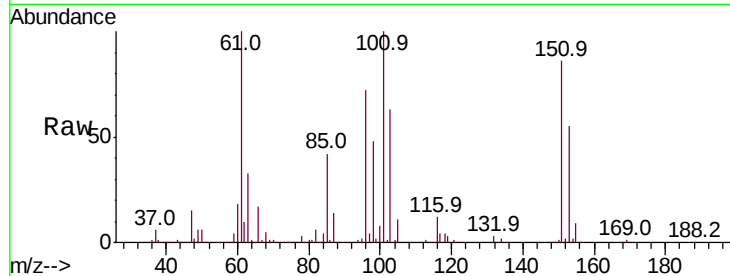
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	230114
Ion Ratio	Lower	Upper	
101	100		
85	43.1	0.0	89.8
151	85.5	0.0	172.2

Manual Integrations
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7/19/2019 9:56:35 AM



#10

1,1-Dichloroethene

Concen: 102.262 ug/l

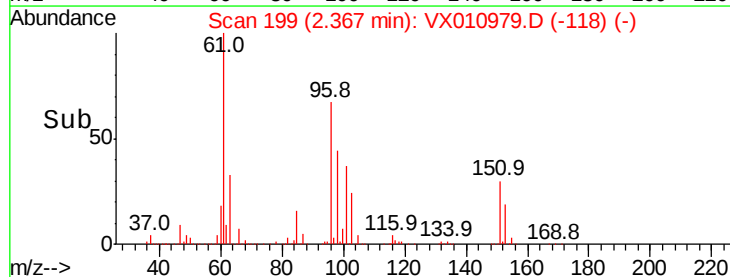
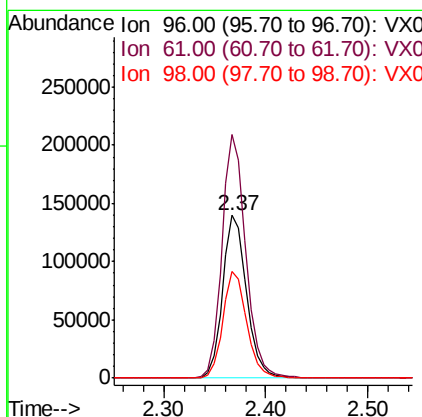
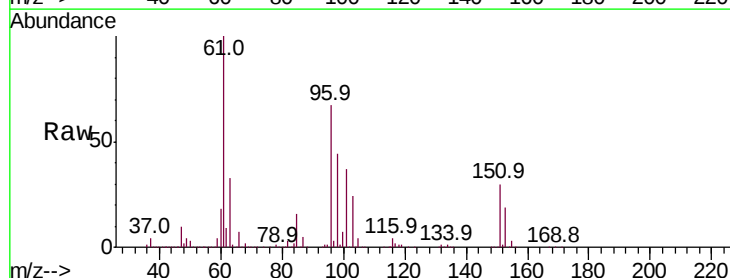
RT: 2.37 min Scan# 199

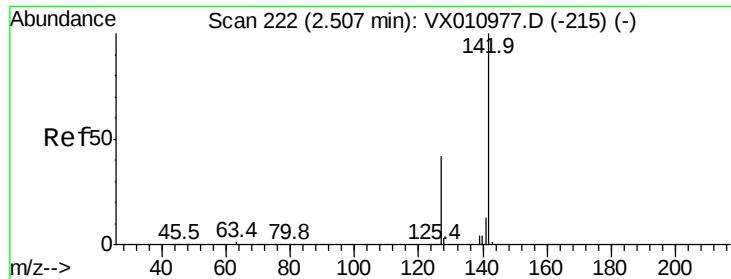
Delta R.T. -0.01 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

Tgt Ion:	96	Resp:	227011
Ion Ratio	Lower	Upper	
96	100		
61	150.0	115.9	173.9
98	65.6	50.6	75.8





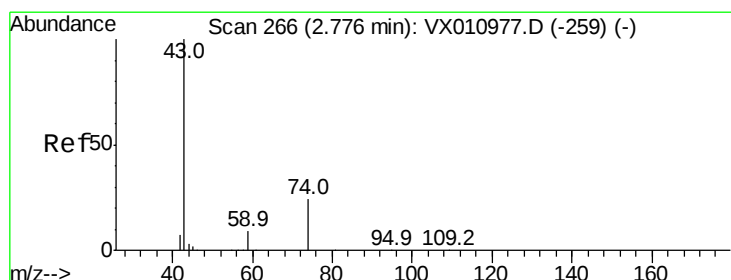
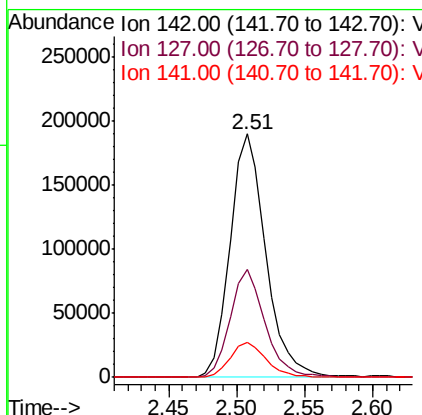
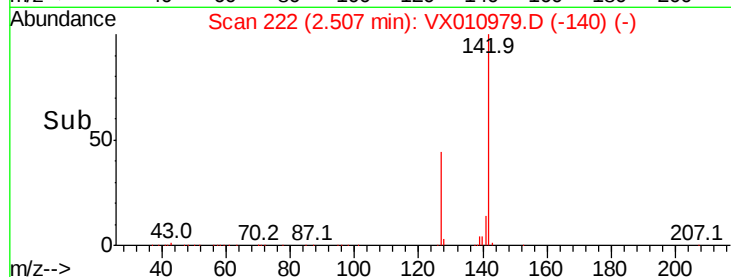
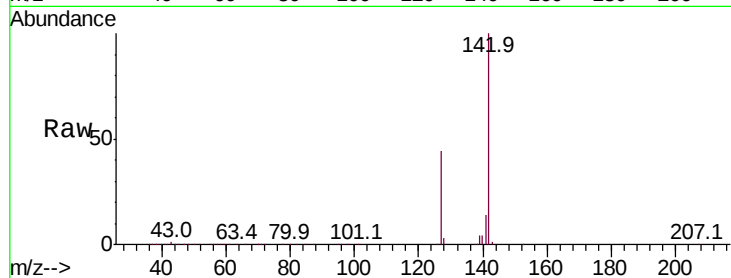
#11
Methvl Iodide
Concen: 138.515 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
142	100		
127	44.2	20.7	62.1
141	14.2	6.7	20.0

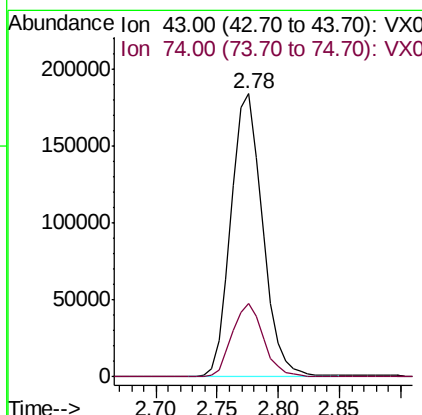
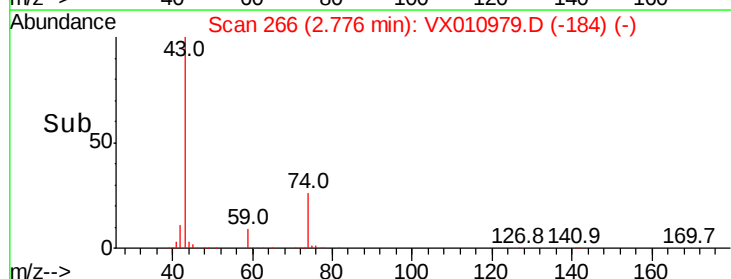
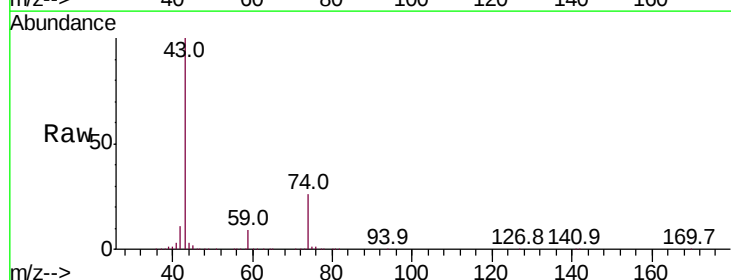
Manual Integrations
APPROVED

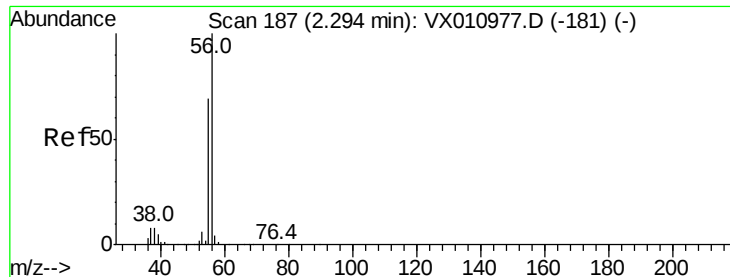
MMDadoda
7/19/2019 9:56:35 AM



#12
Methyl Acetate
Concen: 82.695 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.9	19.8	29.6





#13

Acrolein

Concen: 358.468 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 56 Resp: 194431

Ion Ratio Lower Upper

56 100

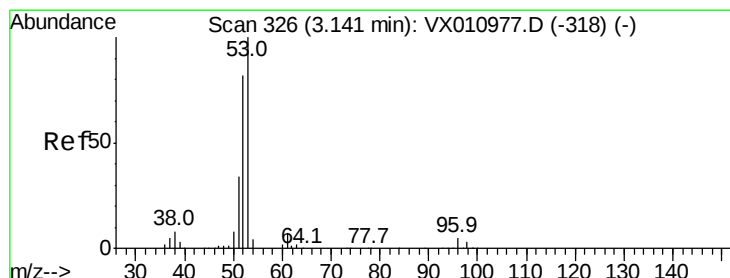
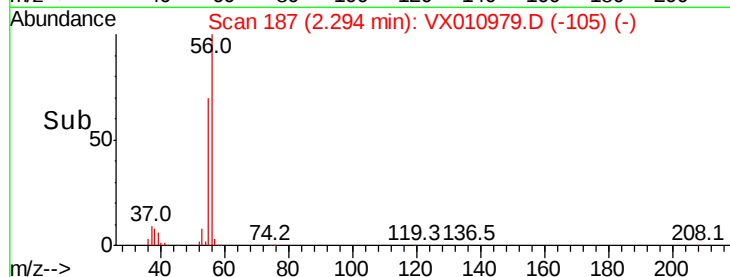
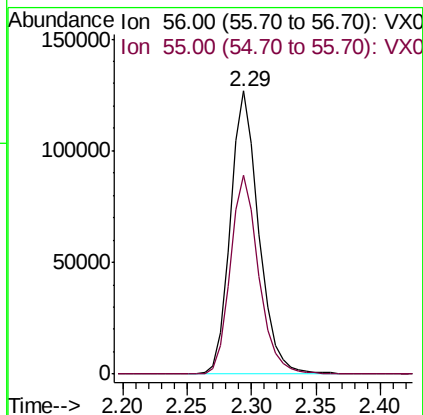
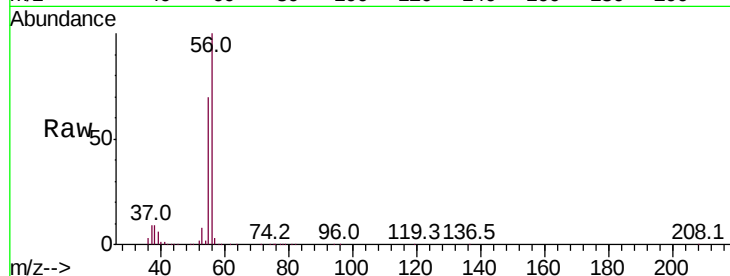
55 69.9 56.1 84.1

Manual Integrations

APPROVED

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#14

Acrylonitrile

Concen: 376.099 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

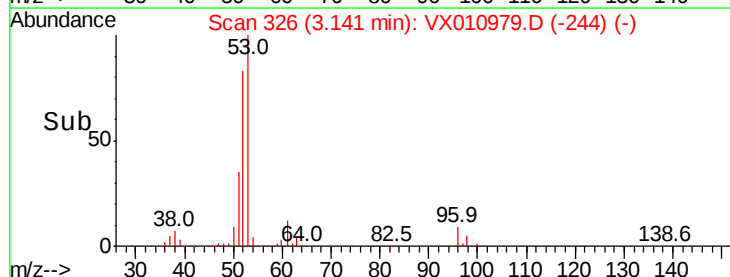
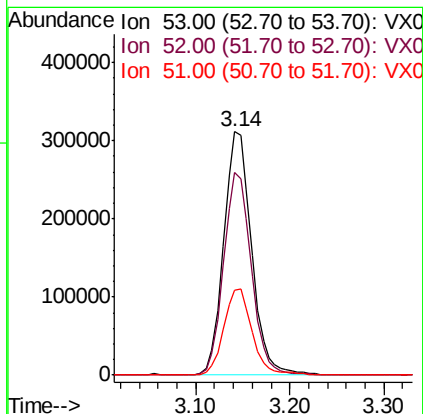
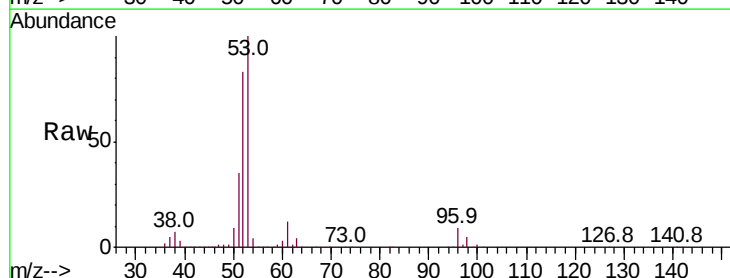
Tgt Ion: 53 Resp: 639006

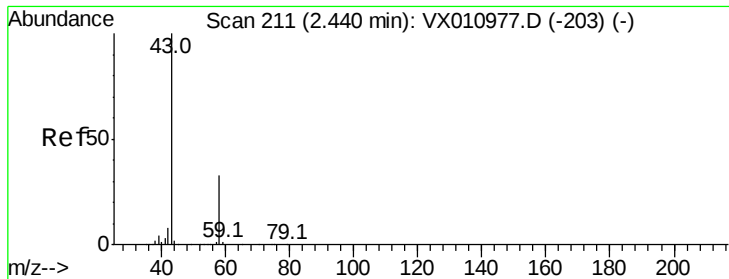
Ion Ratio Lower Upper

53 100

52 83.1 41.1 123.4

51 36.3 17.8 53.3





#15

Acetone

Concen: 360.445 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 58 Resp: 174137

Ion Ratio Lower Upper

58 100

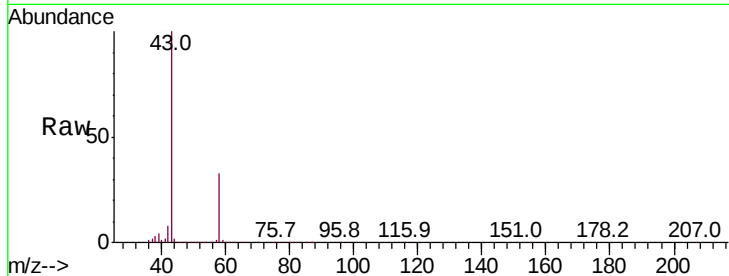
43 299.5 243.8 365.6

Manual Integrations

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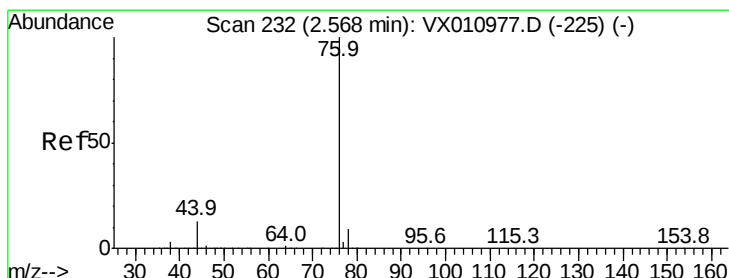
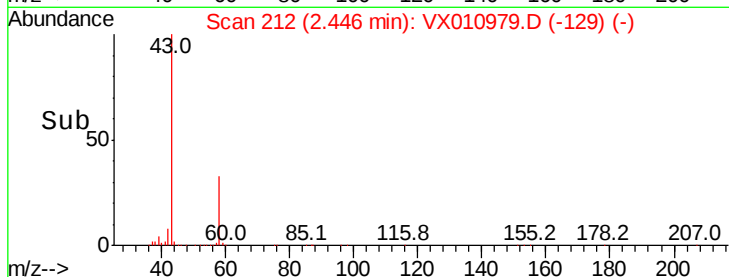
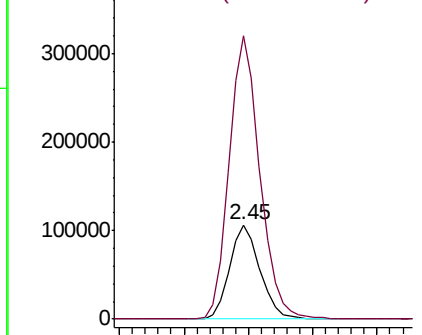
MMDadoda

7/19/2019 9:56:35 AM



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 105.468 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010979.D

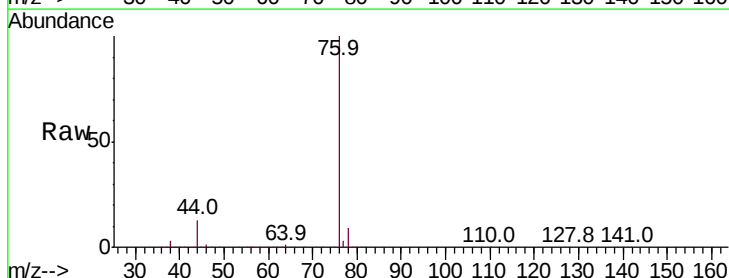
Acq: 18 Jul 2019 23:31

Tgt Ion: 76 Resp: 622758

Ion Ratio Lower Upper

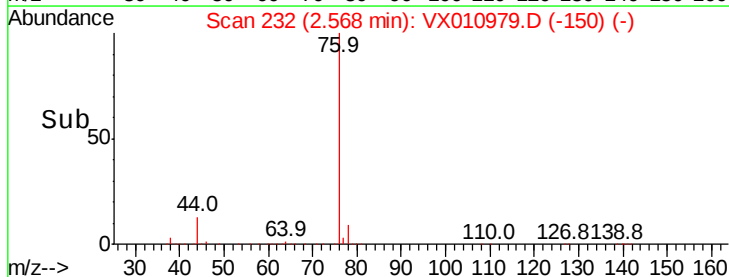
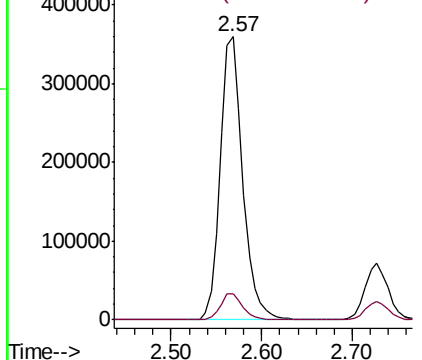
76 100

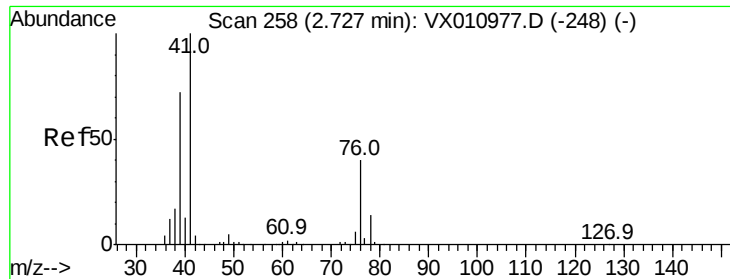
78 9.4 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





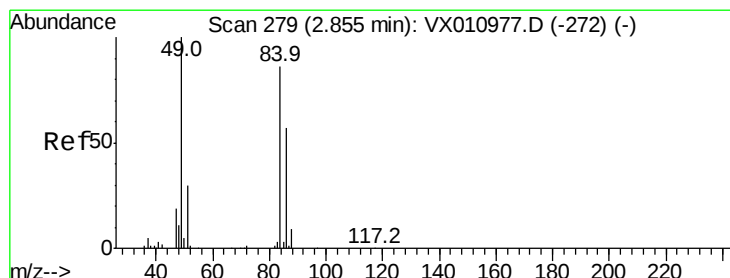
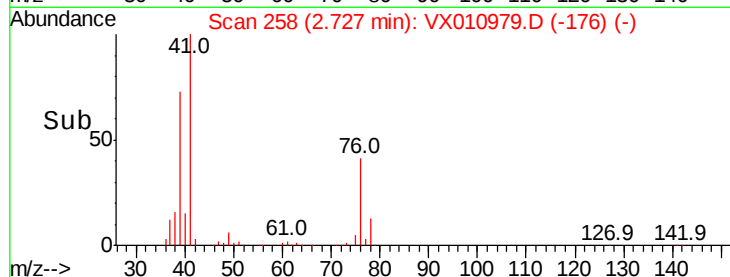
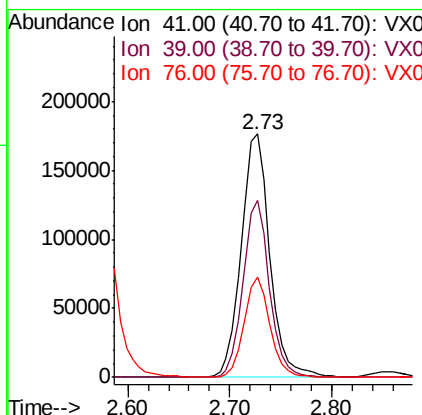
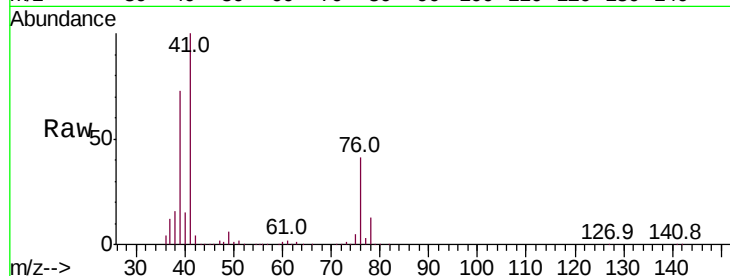
#17
Allvl chloride
Concen: 70.313 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	72.7	36.1	108.3
76	40.9	20.2	60.5

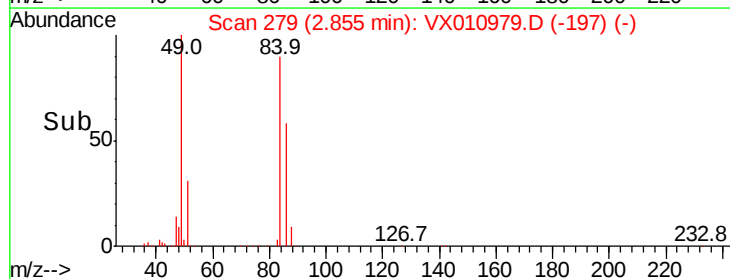
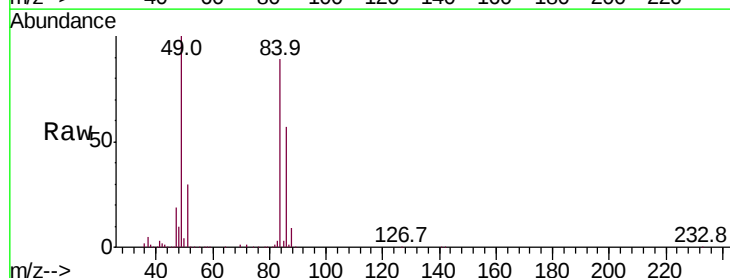
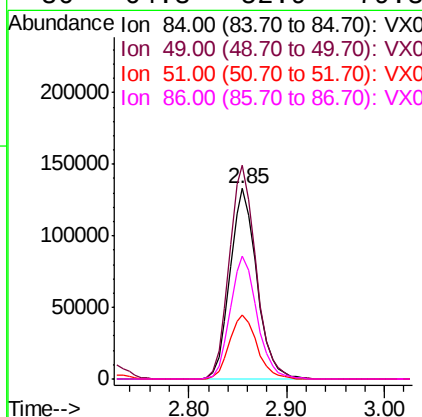
Manual Integrations
APPROVED

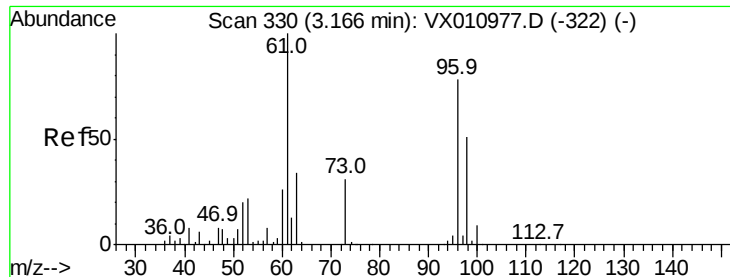
MMDadoda
7/19/2019 9:56:35 AM



#18
Methylene Chloride
Concen: 95.634 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	111.9	93.2	139.8
51	33.9	28.6	42.8
86	64.3	52.9	79.3





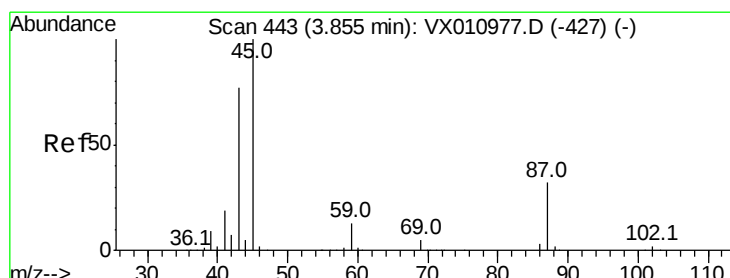
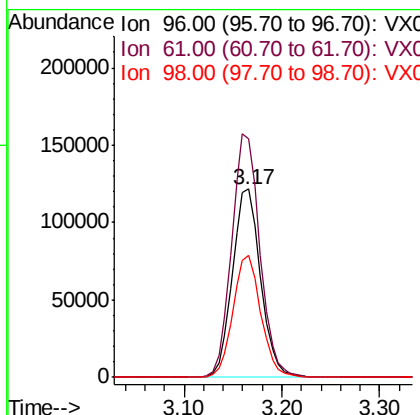
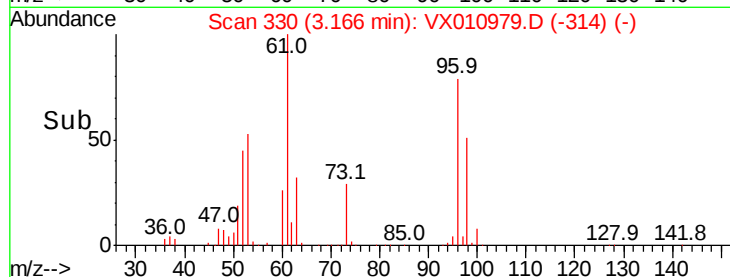
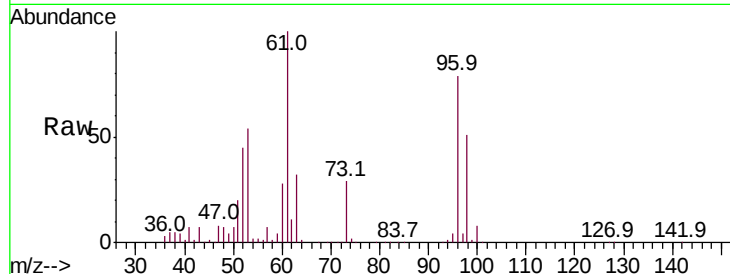
#19
trans-1,2-Dichloroethene
Concen: 103.179 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.5	102.2	153.4
98	64.9	52.2	78.2

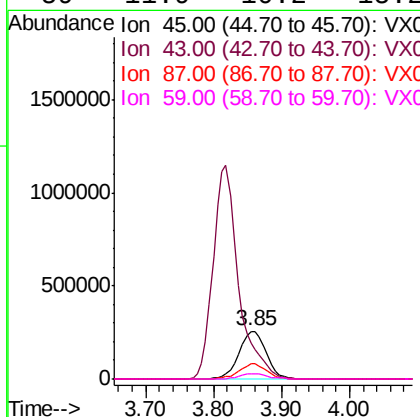
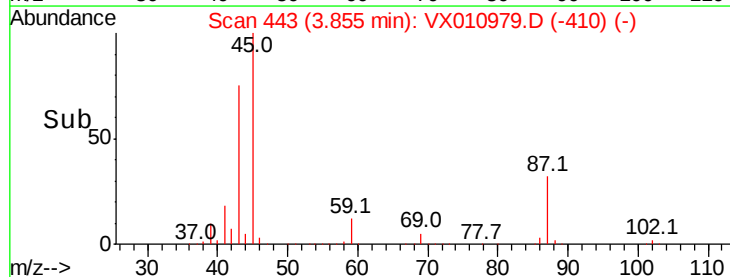
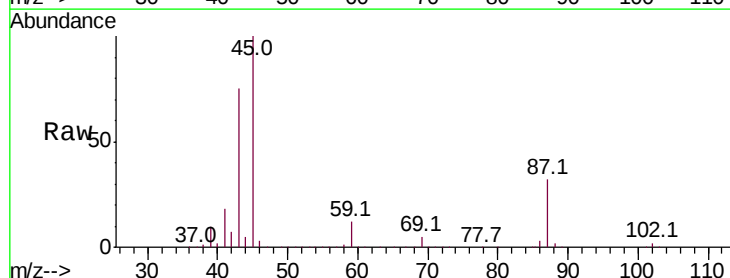
Manual Integrations
APPROVED

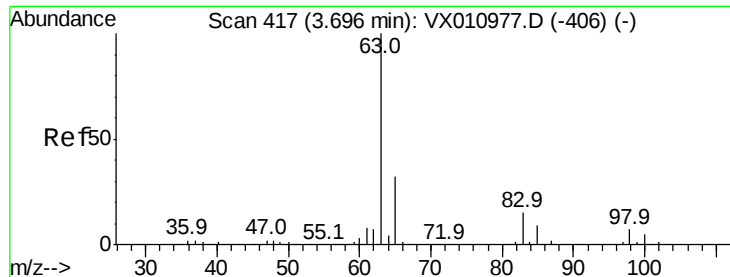
MMDadoda
7/19/2019 9:56:35 AM



#20
Diisopropyl ether
Concen: 72.960 ug/l
RT: 3.85 min Scan# 443
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Tgt Ion	Ratio	Lower	Upper
45	100		
43	74.7	61.5	92.3
87	31.9	25.4	38.2
59	11.9	10.2	15.2





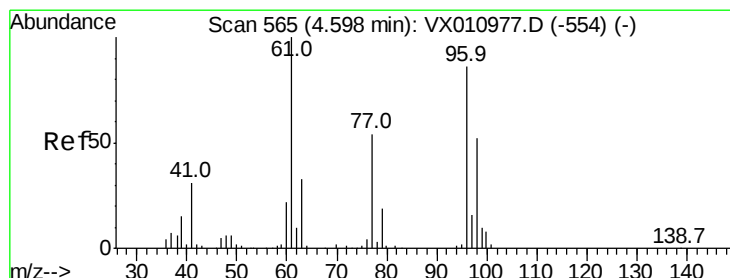
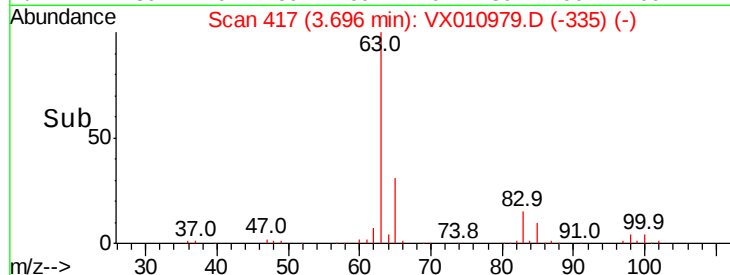
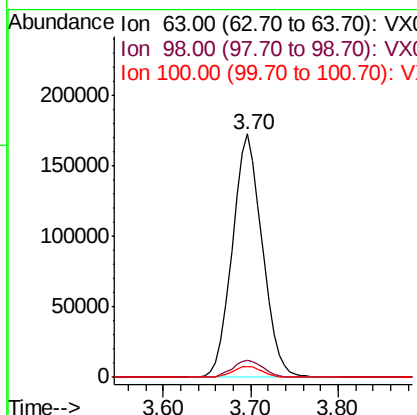
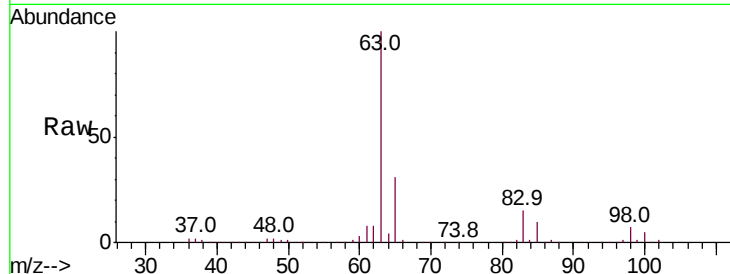
#21
 1,1-Dichloroethane
 Concen: 84.953 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. 0.00 min
 Lab File: VX010979.D
 Acq: 18 Jul 2019 23:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:	63	Resp:	411017
Ion Ratio	Lower	Upper	
63	100		
98	7.0	3.8	11.2
100	4.5	2.5	7.4

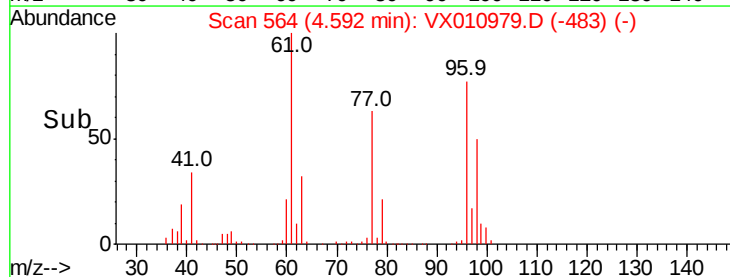
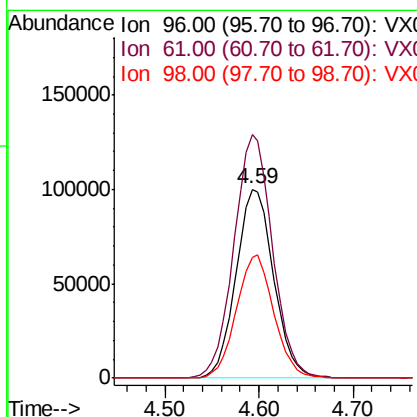
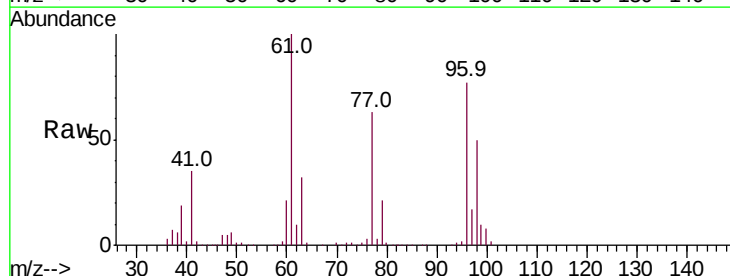
Manual Integrations
 APPROVED

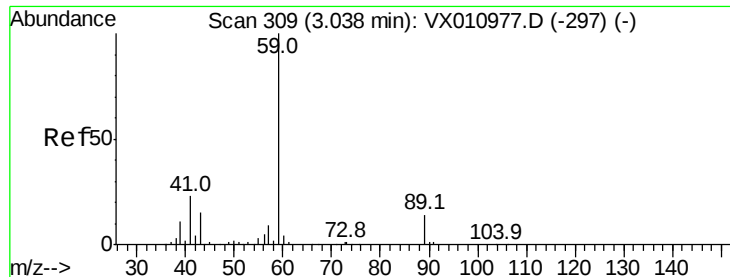
MMDadoda
 7/19/2019 9:56:35 AM



#22
 cis-1,2-Dichloroethene
 Concen: 99.595 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX010979.D
 Acq: 18 Jul 2019 23:31

Tgt Ion:	96	Resp:	280255
Ion Ratio	Lower	Upper	
96	100		
61	131.5	102.9	154.3
98	64.7	50.9	76.3





#23

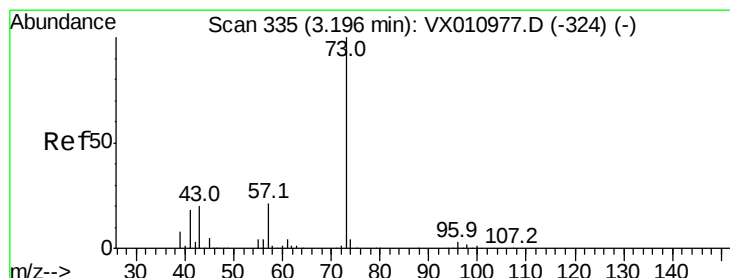
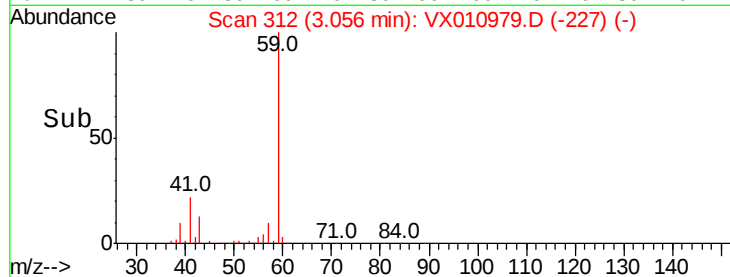
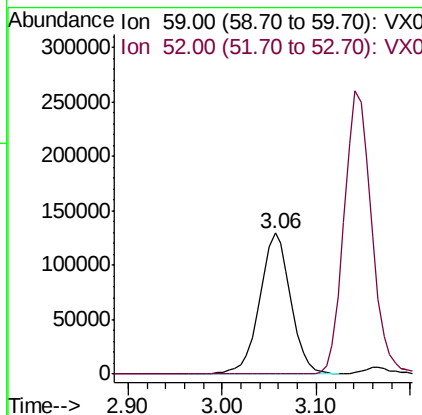
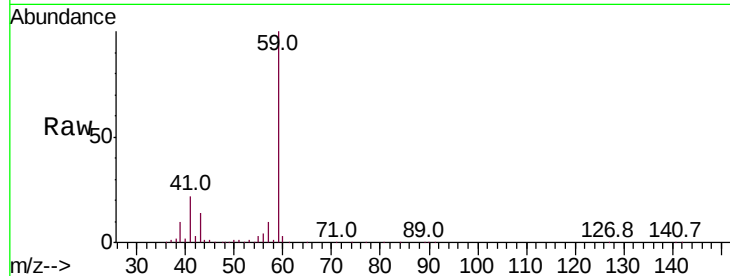
tert-Butyl Alcohol
 Concen: 403.634 ug/l
 RT: 3.06 min Scan# 312
 Delta R.T. 0.02 min
 Lab File: VX010979.D
 Acq: 18 Jul 2019 23:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.3	0.2	0.4

Manual Integrations
 APPROVED

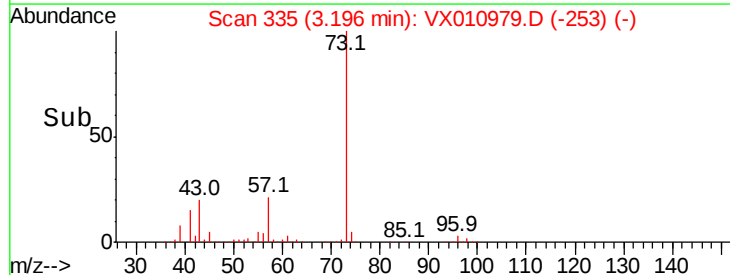
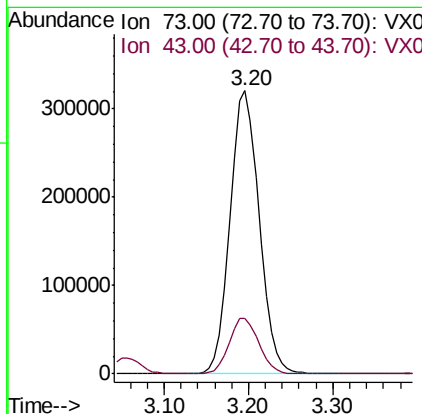
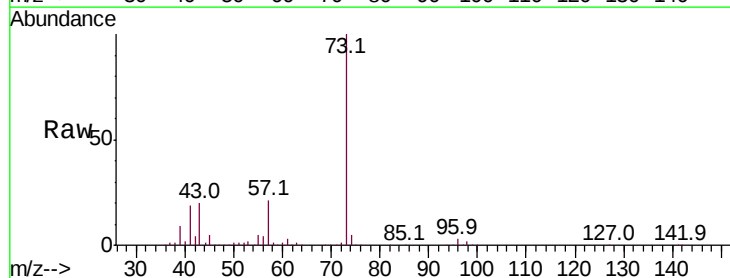
MMDadoda
 7/19/2019 9:56:35 AM

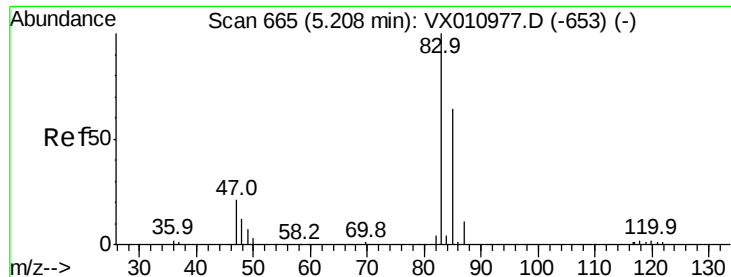


#24

Methyl tert-Butyl Ether
 Concen: 89.522 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VX010979.D
 Acq: 18 Jul 2019 23:31

Tgt Ion	Ratio	Lower	Upper
73	100		
43	20.0	15.8	23.6





#25

Chloroform

Concen: 98.285 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.01 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 446233

Ion Ratio Lower Upper

83 100

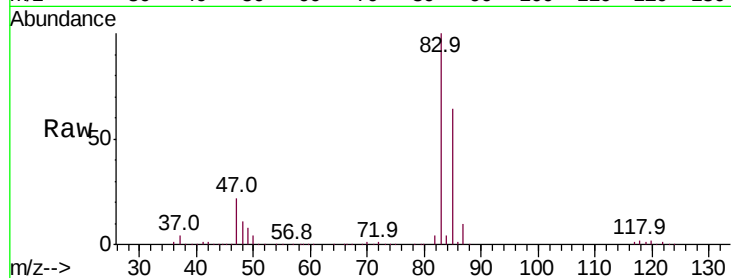
85 64.3 50.9 76.3

Manual Integrations

APPROVED

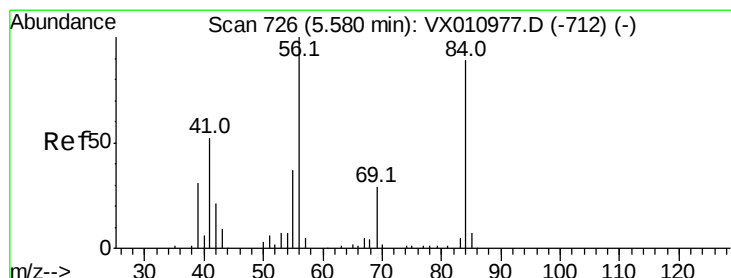
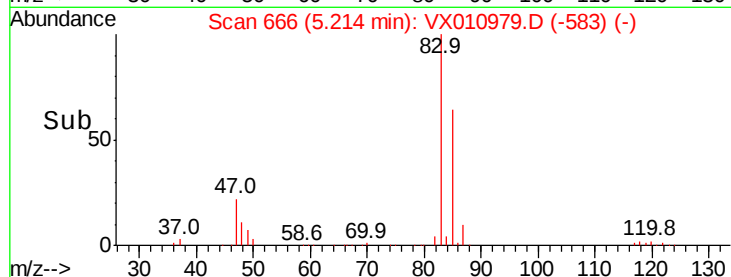
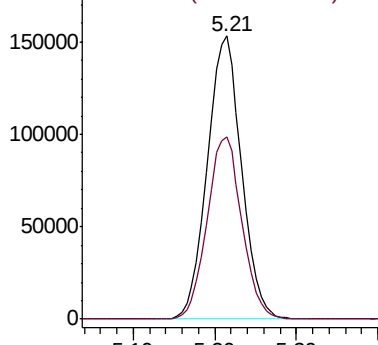
MMDadoda

7/19/2019 9:56:35 AM



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 81.543 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

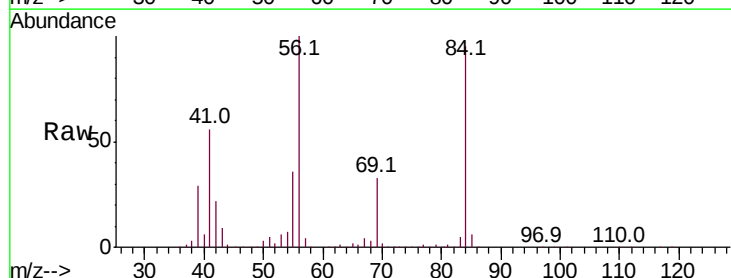
Tgt Ion: 56 Resp: 365604

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

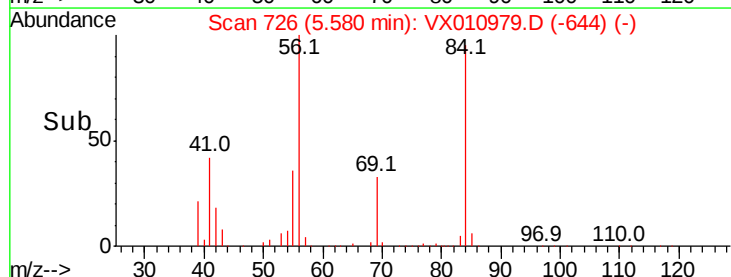
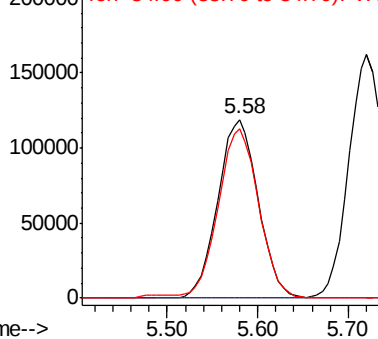
84 95.0 73.0 109.4

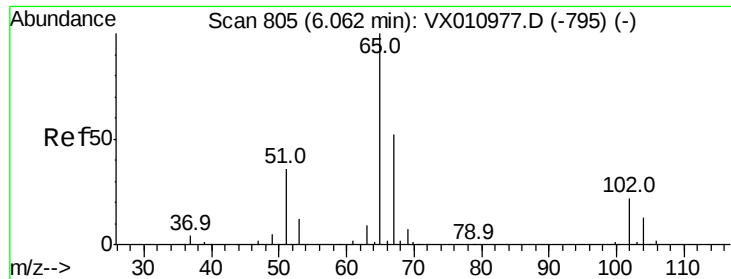


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 25.793 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 82818

Ion Ratio Lower Upper

65 100

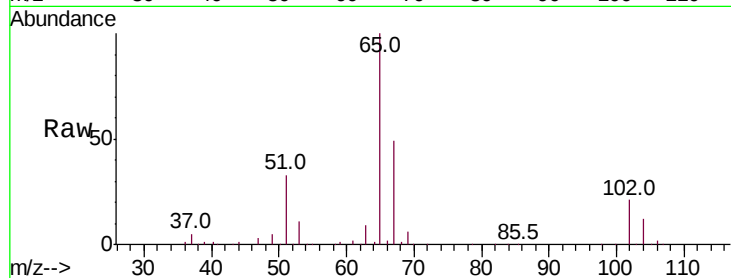
67 52.4 41.7 62.5

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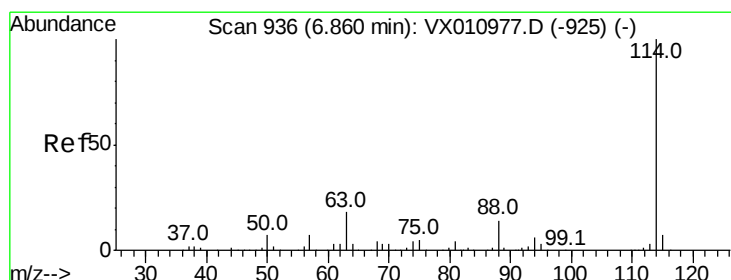
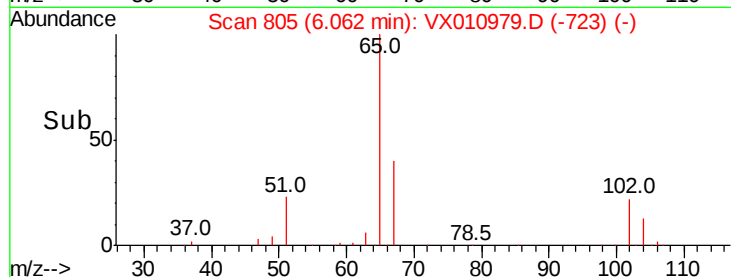
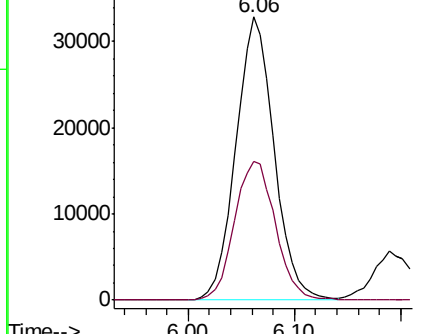
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Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

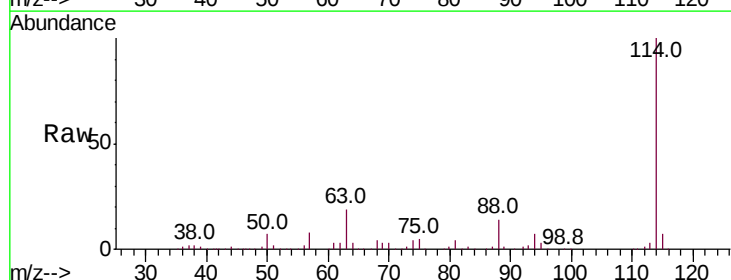
Tgt Ion: 114 Resp: 224393

Ion Ratio Lower Upper

114 100

63 18.9 14.6 22.0

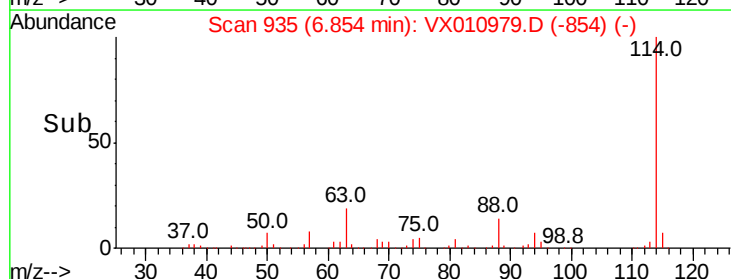
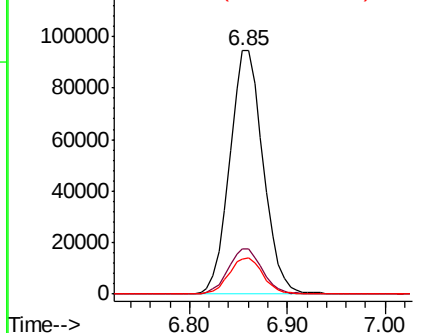
88 15.0 11.8 17.8

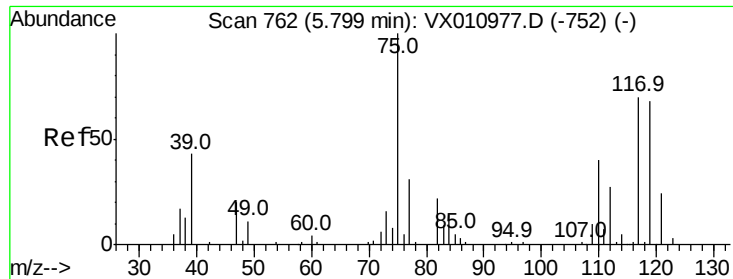


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#29

1,1-Dichloropropene

Concen: 100.156 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

Instrument :

MSVOA_X

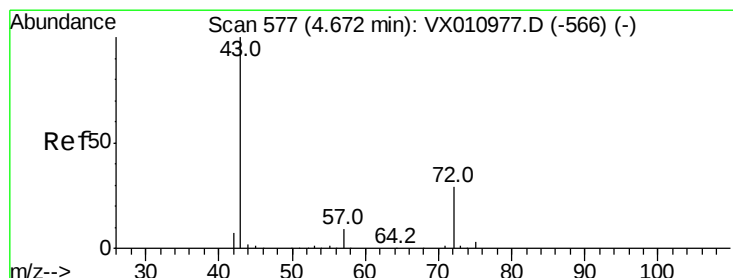
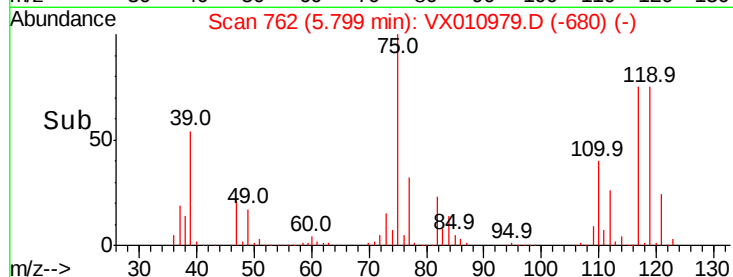
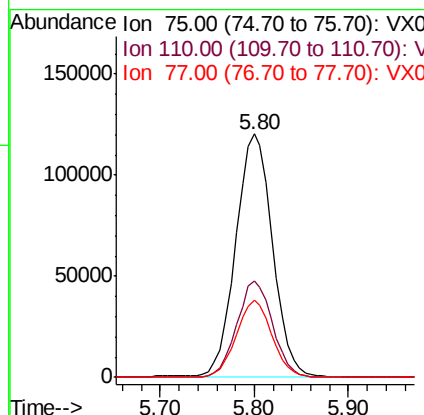
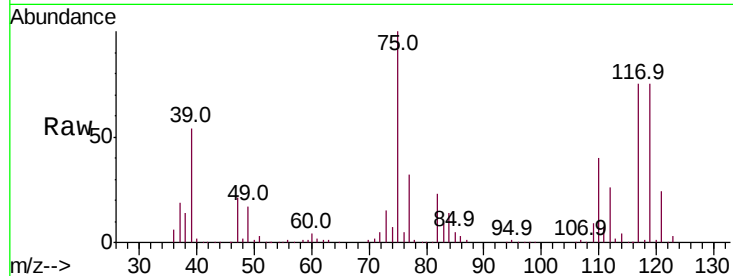
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	326977
Ion Ratio	Lower	Upper	
75	100		
110	38.7	0.0	79.8
77	31.0	0.0	62.2

Manual Integrations
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#30

2-Butanone

Concen: 369.414 ug/l

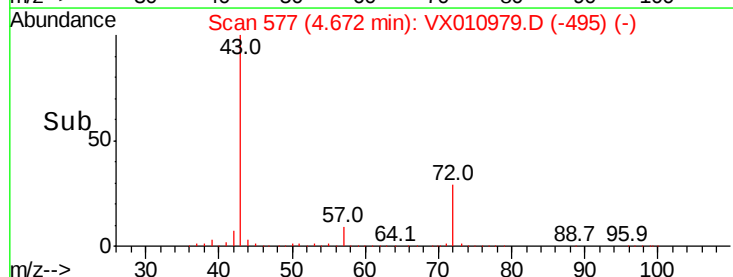
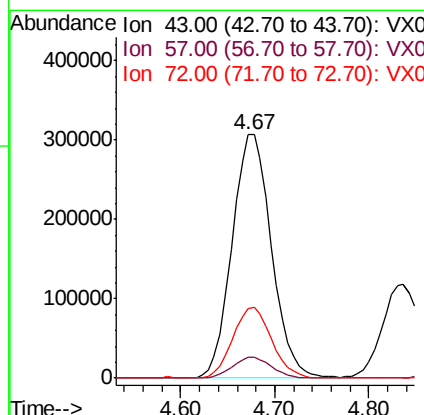
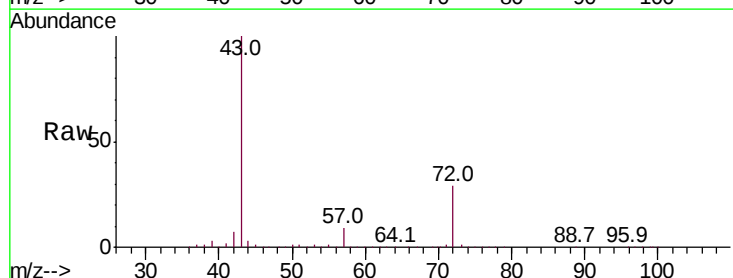
RT: 4.67 min Scan# 577

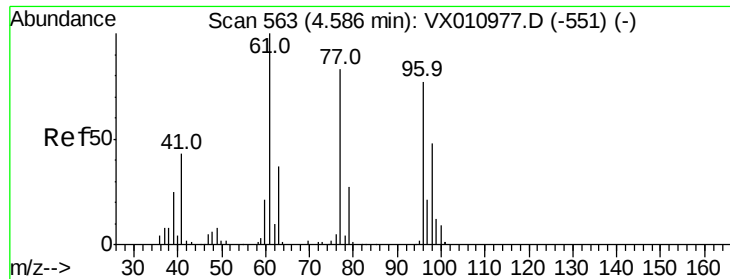
Delta R.T. 0.00 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

Tgt Ion:	43	Resp:	888992
Ion Ratio	Lower	Upper	
43	100		
57	8.6	6.8	10.2
72	28.9	23.2	34.8





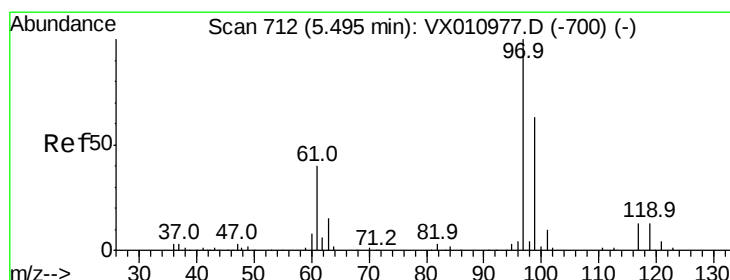
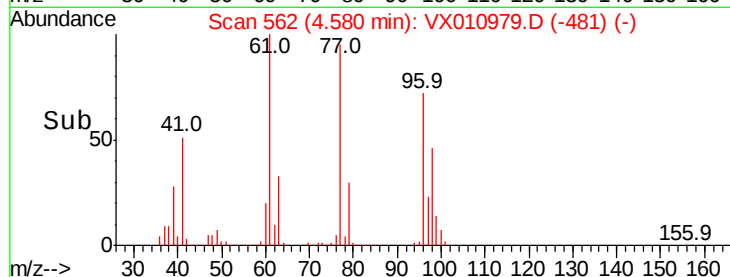
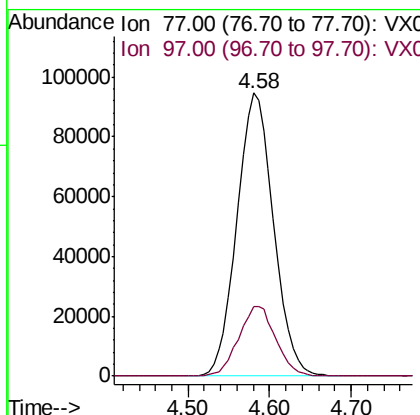
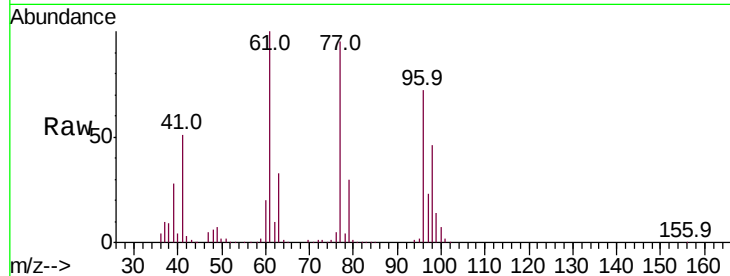
#31
 2,2-Dichloropropane
 Concen: 85.625 ug/l
 RT: 4.58 min Scan# 562
 Delta R.T. -0.01 min
 Lab File: VX010979.D
 Acq: 18 Jul 2019 23:31

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tot Ion: 77 Resp: 294718
 Ion Ratio Lower Upper
 77 100
 97 24.9 20.9 31.3

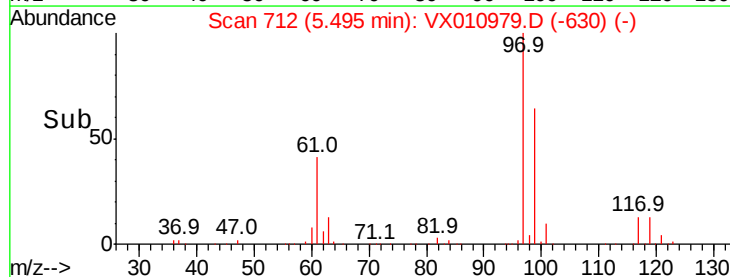
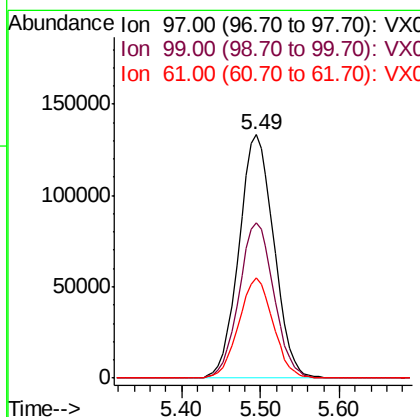
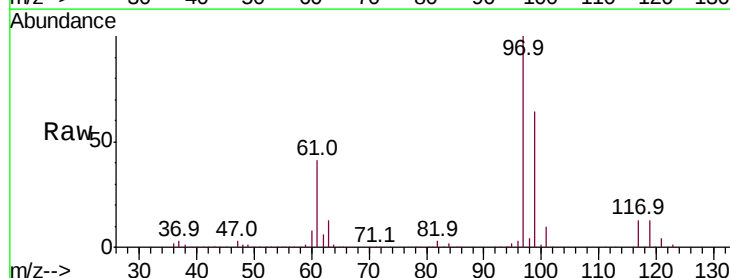
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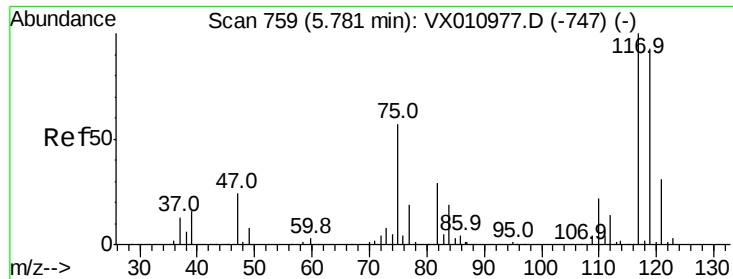
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#32
 1,1,1-Trichloroethane
 Concen: 113.248 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX010979.D
 Acq: 18 Jul 2019 23:31

Tgt Ion: 97 Resp: 409022
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.0 76.6
 61 40.6 34.3 51.5





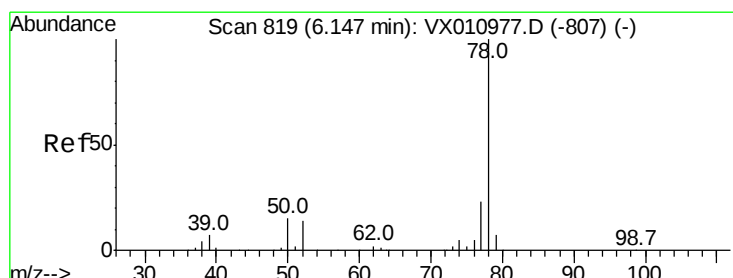
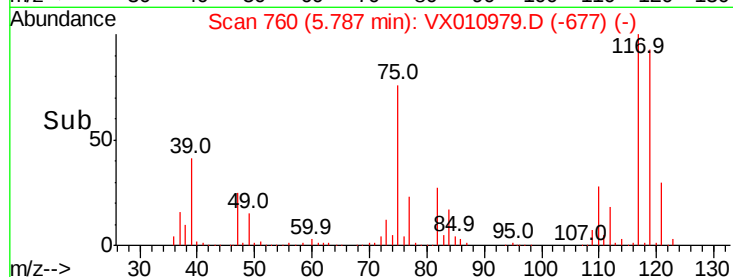
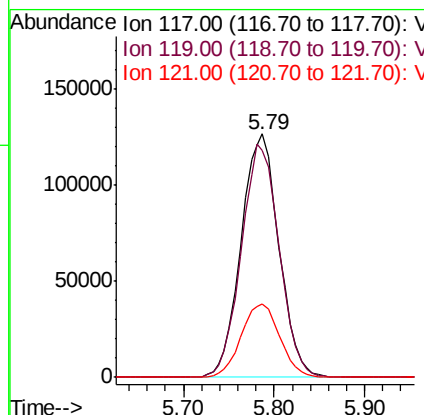
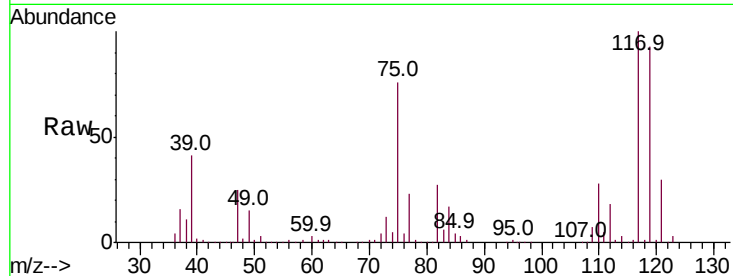
#33
Carbon Tetrachloride
Concen: 120.995 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
119	93.0	74.3	111.5
121	30.1	24.9	37.3

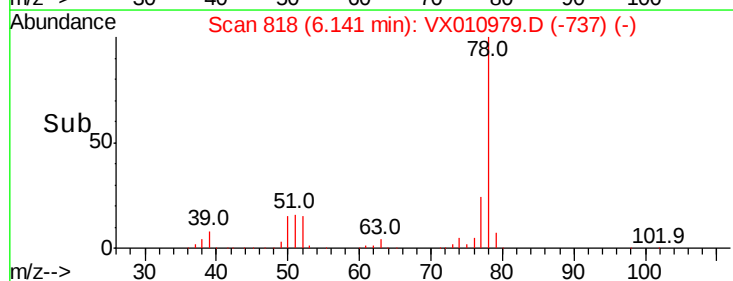
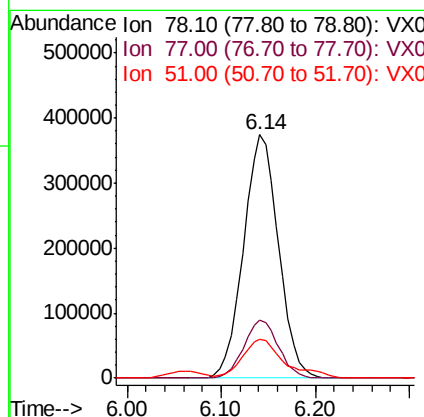
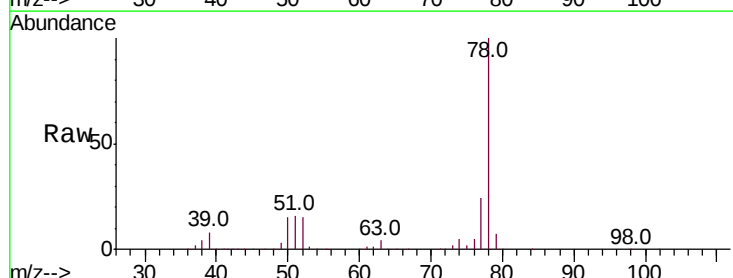
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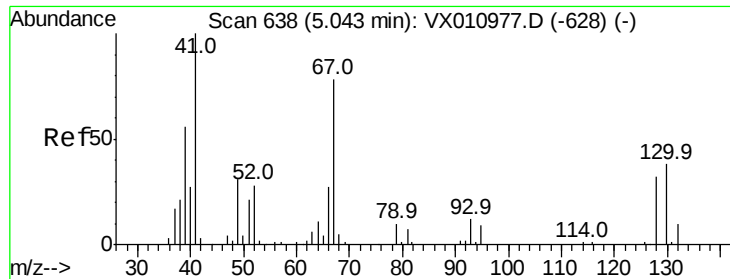
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#34
Benzene
Concen: 97.117 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.2	27.4
51	15.5	11.4	17.2





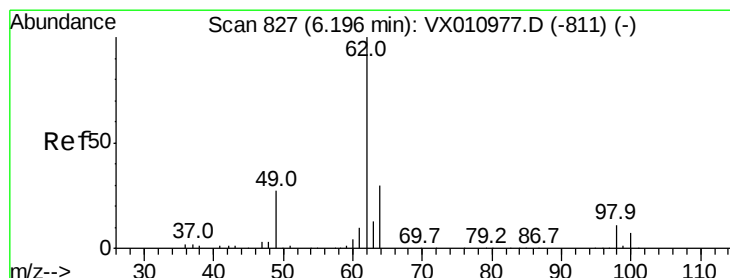
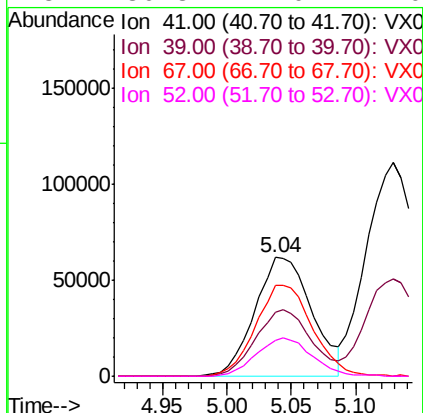
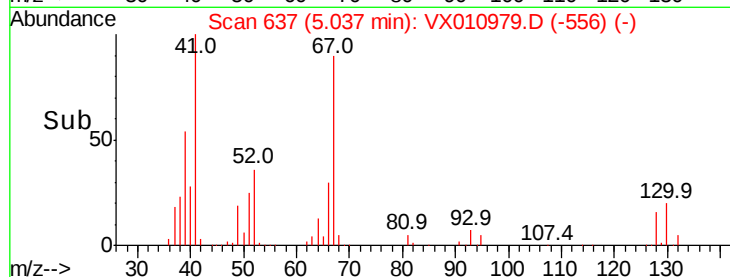
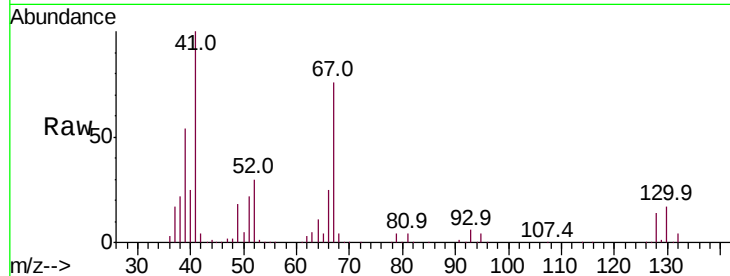
#35
Methacrylonitrile
Concen: 75.436 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.0	27.6	82.8
67	76.4	39.1	117.2
52	30.3	14.0	42.0

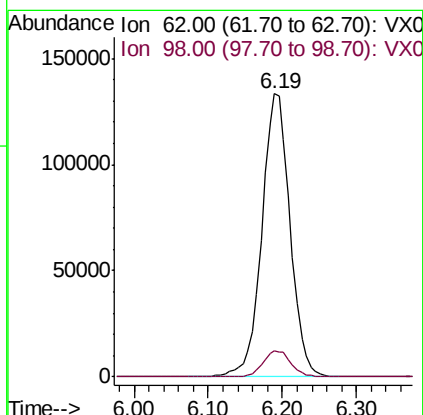
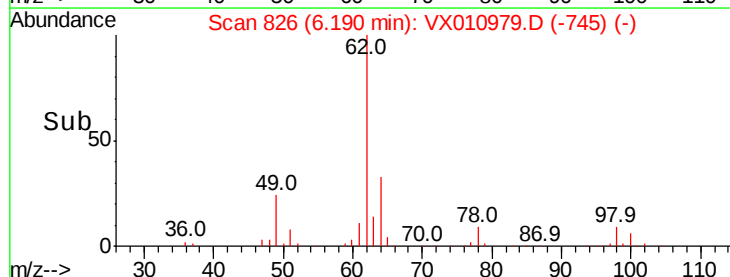
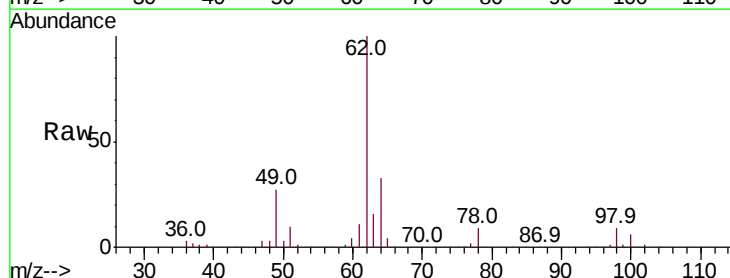
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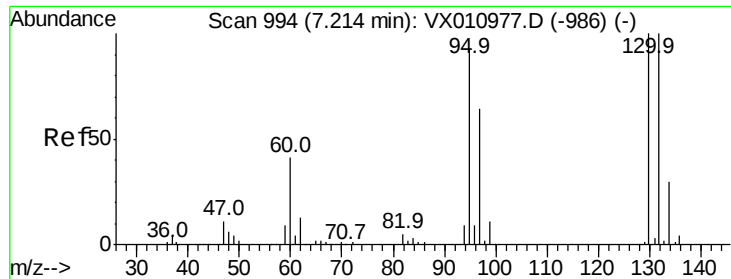
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#36
1,2-Dichloroethane
Concen: 97.875 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.7	8.0	12.0#





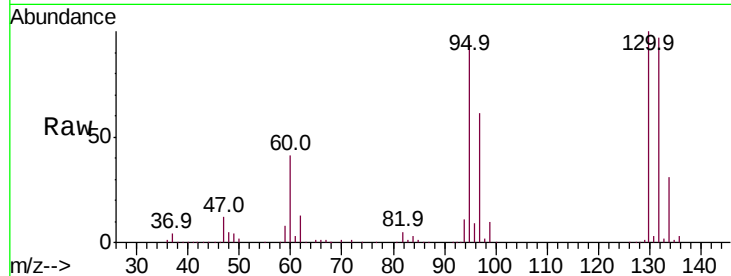
#37
 Trichloroethene
 Concen: 114.095 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX010979.D
 Acq: 18 Jul 2019 23:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

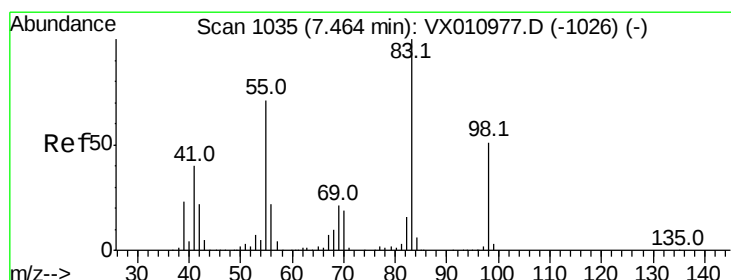
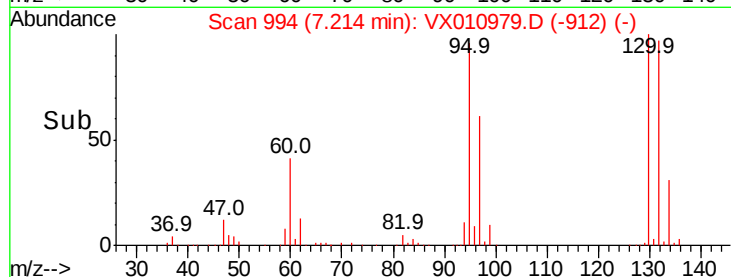
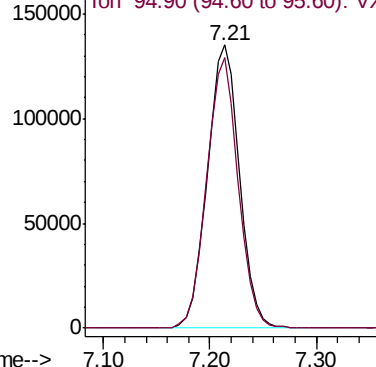
Tot Ion:130 Resp: 286084
 Ion Ratio Lower Upper
 130 100
 95 95.8 74.1 111.1

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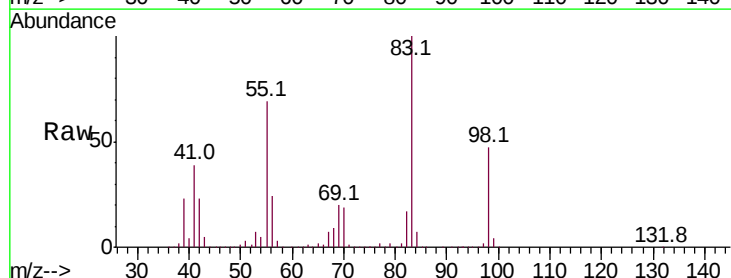


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

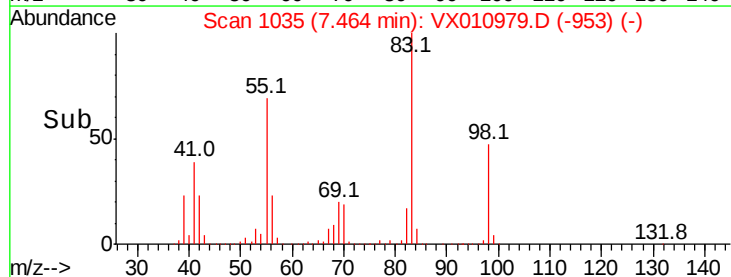
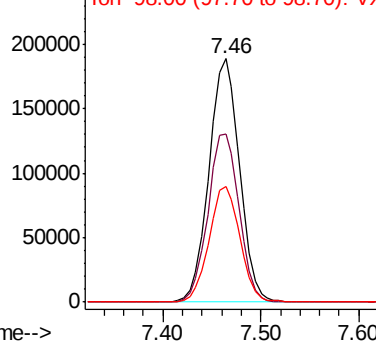


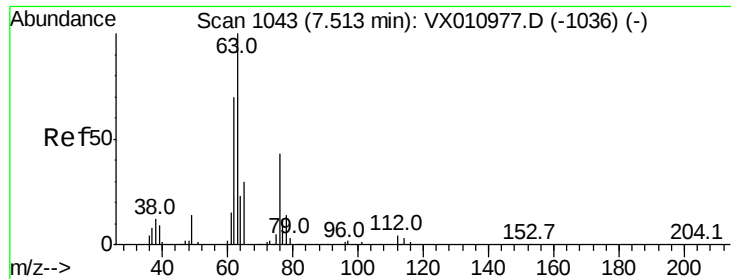
#38
 Methylcyclohexane
 Concen: 100.815 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: VX010979.D
 Acq: 18 Jul 2019 23:31

Tgt Ion: 83 Resp: 408813
 Ion Ratio Lower Upper
 83 100
 55 70.2 35.3 105.9
 98 48.1 24.0 72.0



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





#39

1,2-Dichloropropane

Concen: 87.851 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 63 Resp: 244908

Ion Ratio Lower Upper

63 100

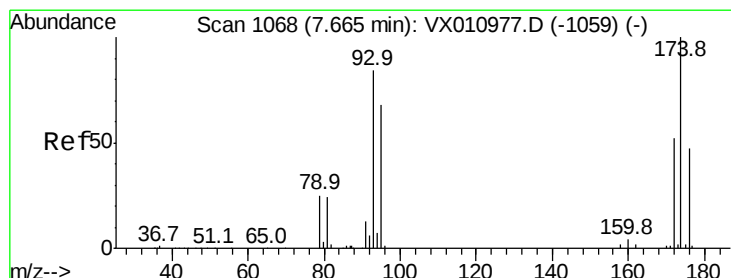
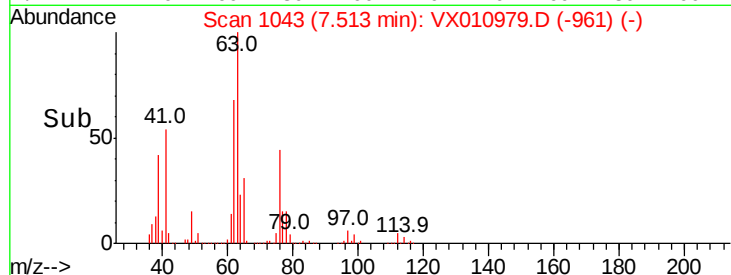
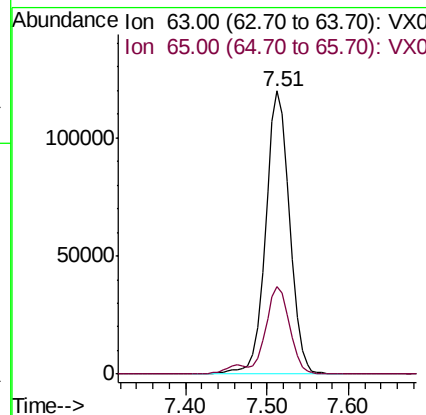
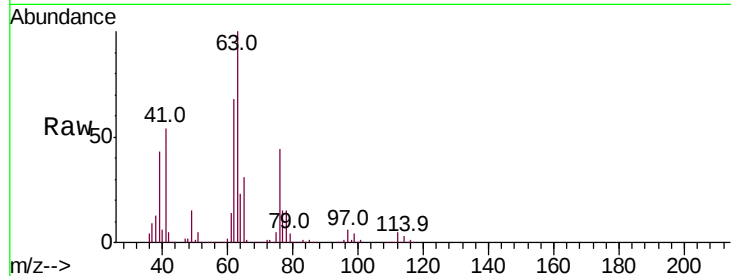
65 30.8 25.6 38.4

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#40

Dibromomethane

Concen: 109.531 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

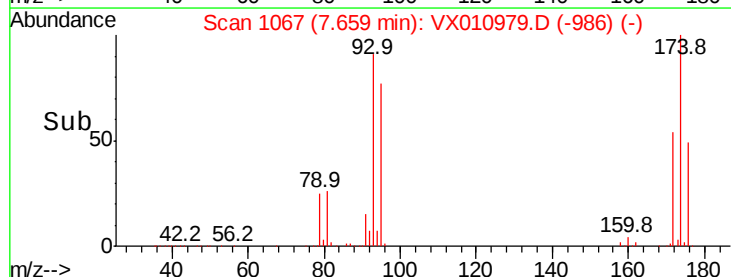
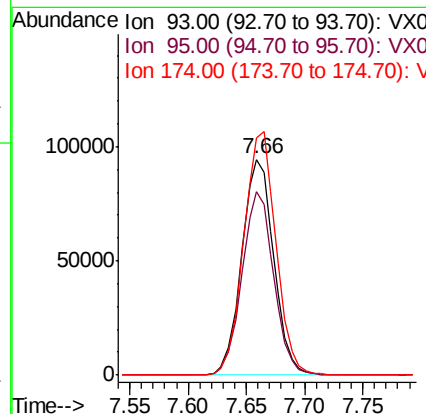
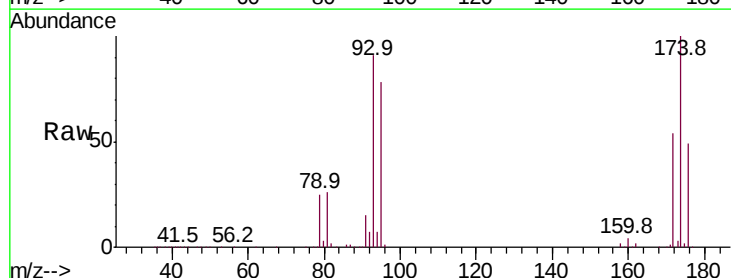
Tgt Ion: 93 Resp: 181468

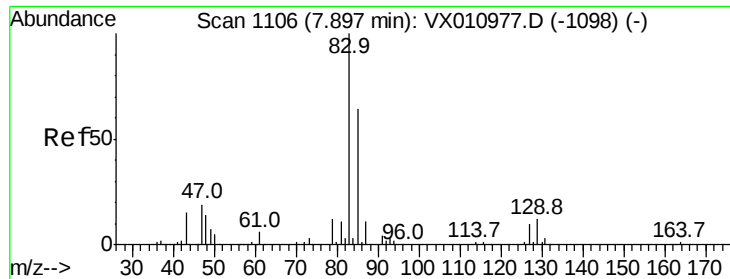
Ion Ratio Lower Upper

93 100

95 84.2 0.0 166.0

174 113.4 0.0 229.2





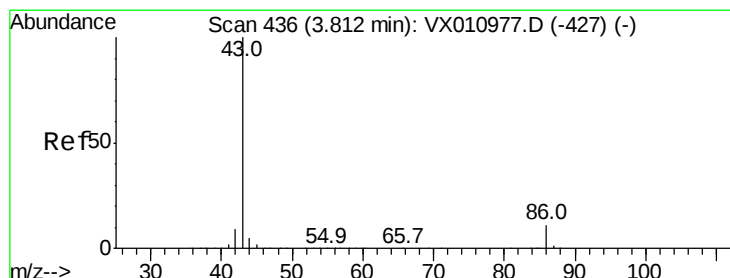
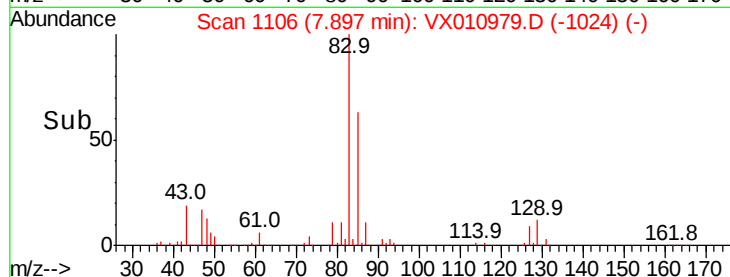
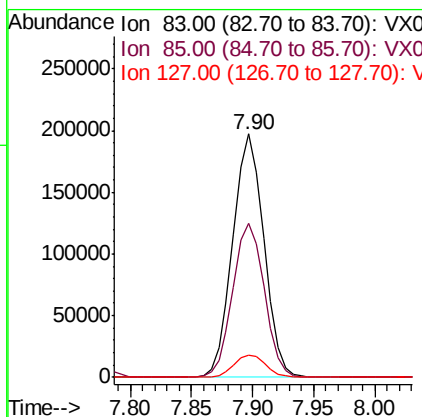
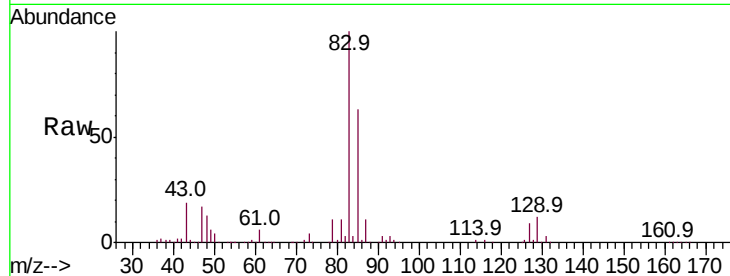
#41
Bromodichloromethane
Concen: 106.006 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	83	Resp	348820
Ion Ratio	100	Lower	Upper
83	100		
85	63.3	50.9	76.3
127	9.2	7.7	11.5

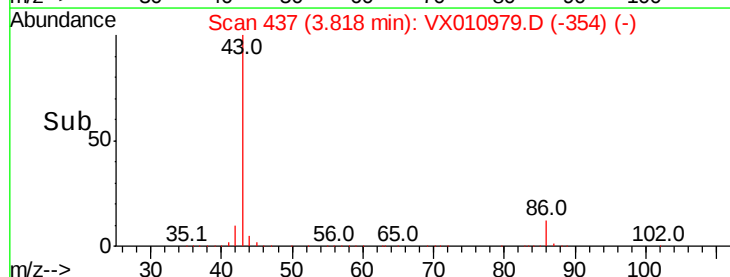
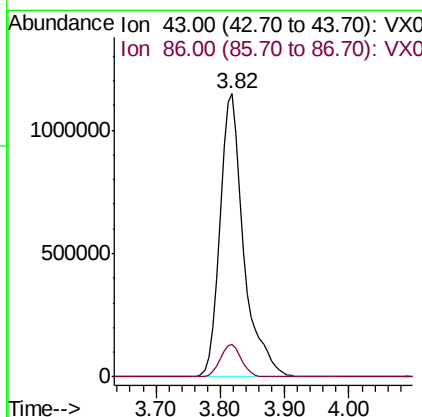
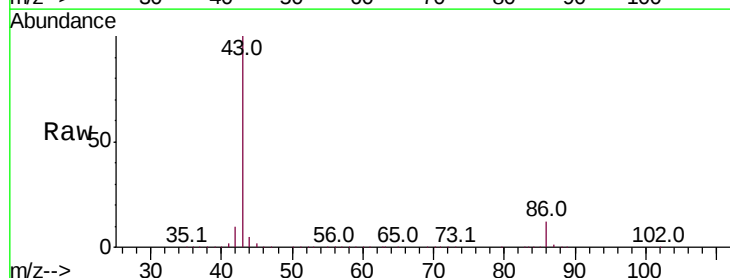
Manual Integrations
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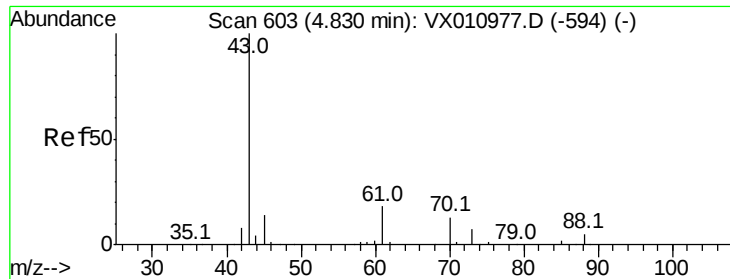
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#42
Vinyl Acetate
Concen: 376.617 ug/l
RT: 3.82 min Scan# 437
Delta R.T. 0.01 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Tgt Ion	43	Resp	2976781
Ion Ratio	100	Lower	Upper
43	100		
86	10.3	8.2	12.2





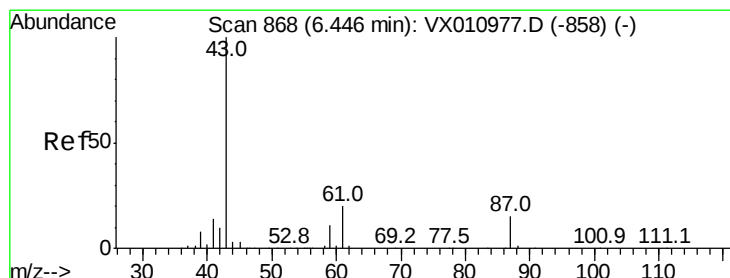
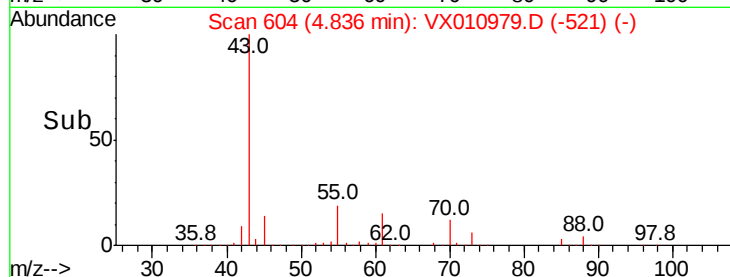
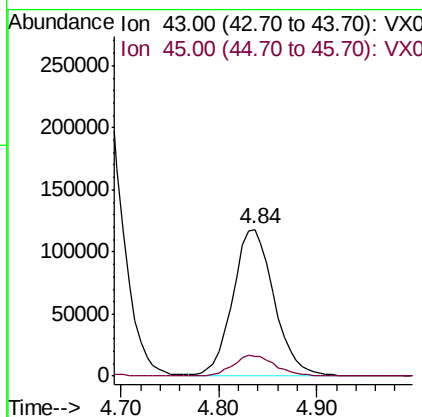
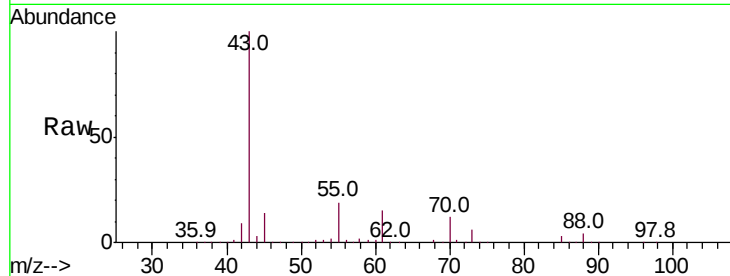
#43
Ethyl Acetate
Concen: 78.371 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	43	45	Ratio	100	14.9	Resp	340662	Lower	12.1	Upper	18.1
Ion	43	45	Ratio	100	14.9	Resp	340662	Lower	12.1	Upper	18.1

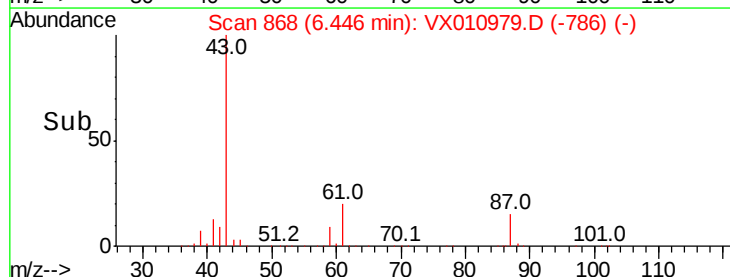
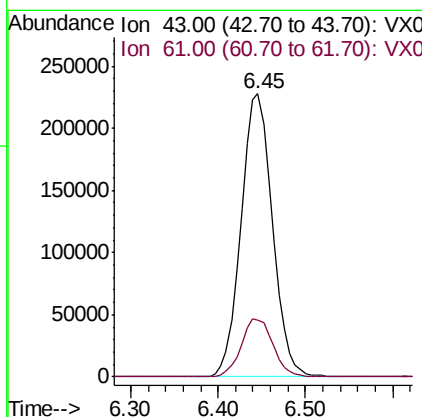
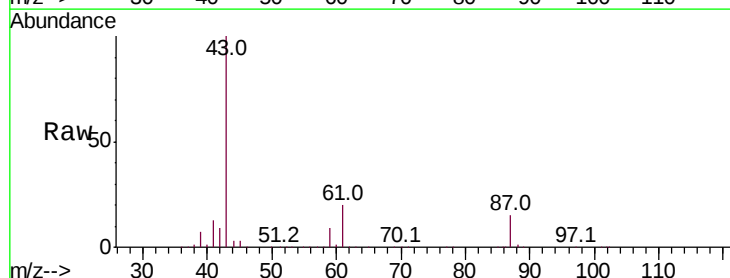
Manual Integrations
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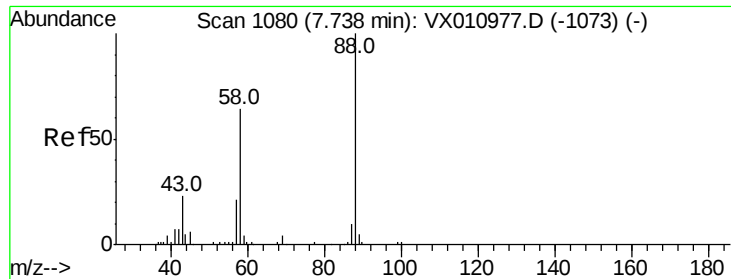
MMDadoda
7/19/2019 9:56:35 AM



#44
Isopropyl Acetate
Concen: 79.565 ug/l
RT: 6.45 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Tgt Ion	43	61	Ratio	100	20.9	Resp	566780	Lower	16.7	Upper	25.1
Ion	43	61	Ratio	100	20.9	Resp	566780	Lower	16.7	Upper	25.1





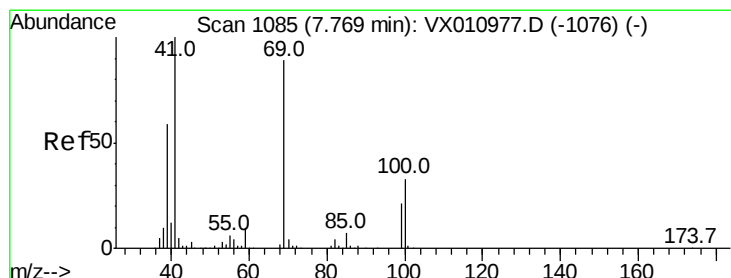
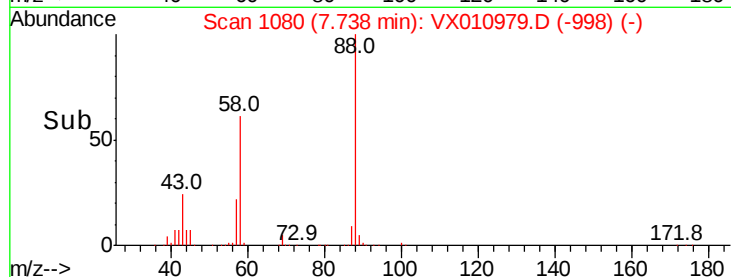
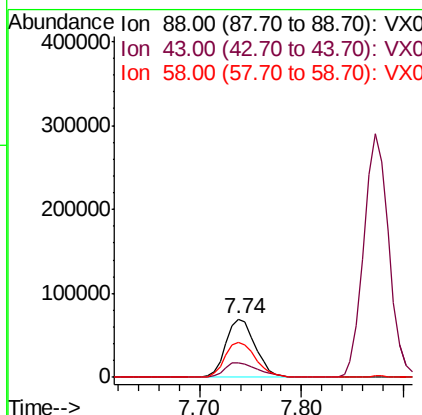
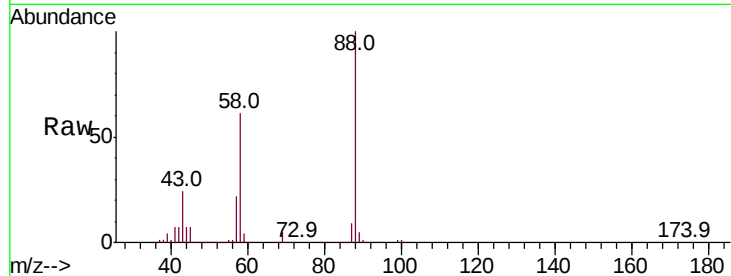
#45
1,4-Dioxane
Concen: 1885.555 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
88	100	139348		
43	28.9		21.6	32.4
58	63.3		52.2	78.2

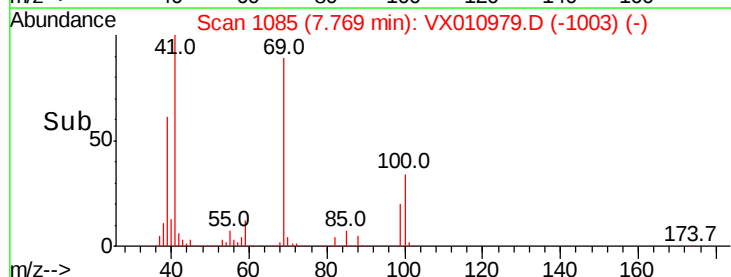
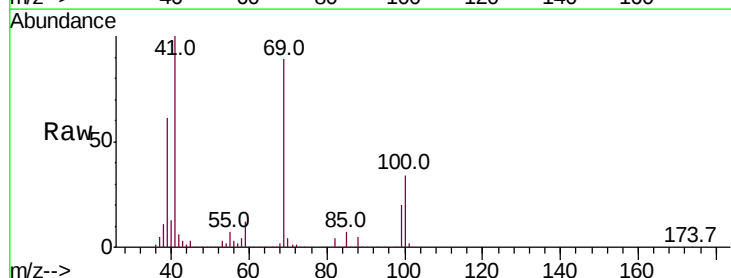
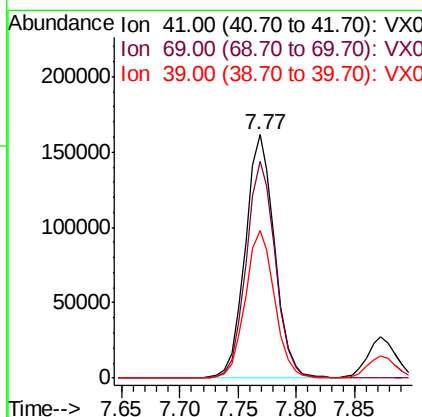
Manual Integrations
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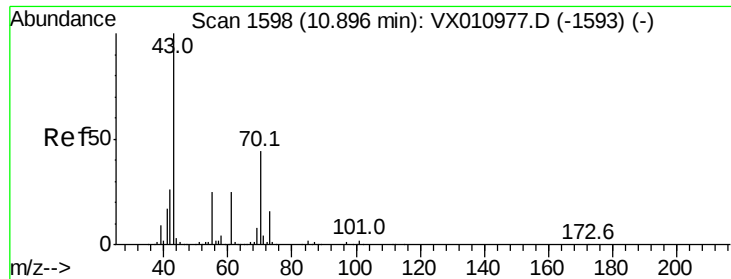
MMDadoda
7/19/2019 9:56:35 AM



#46
Methyl methacrylate
Concen: 79.905 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	281965		
69	89.3		44.7	134.1
39	60.8		29.4	88.2





#47

n-amvl Acetate

Concen: 81.488 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 522219

Ion Ratio Lower Upper

43 100

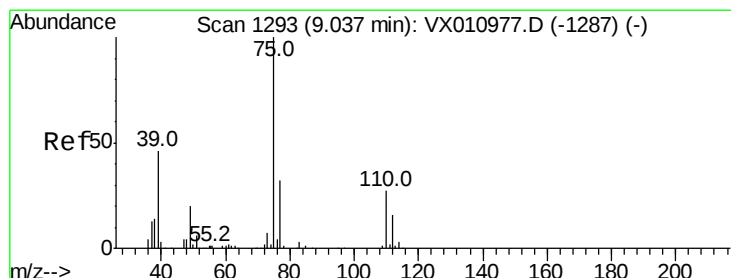
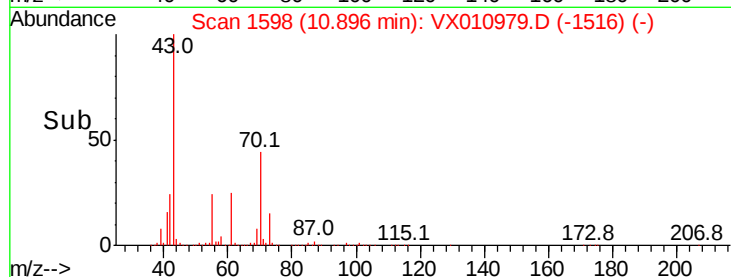
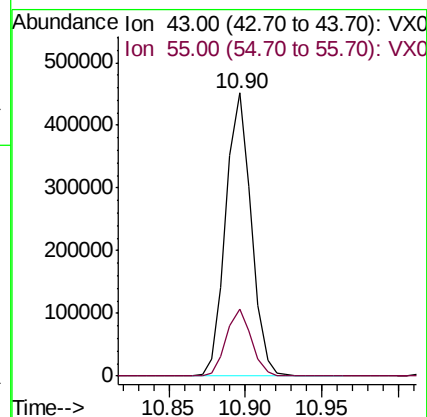
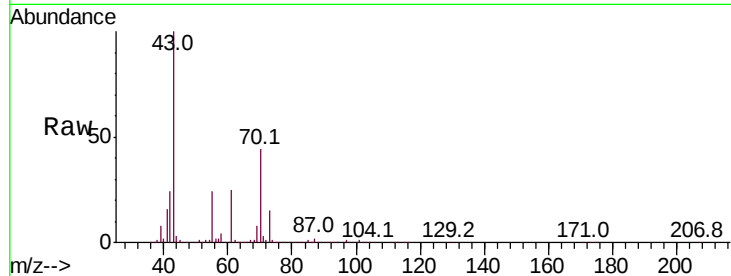
55 23.5 19.6 29.4

Manual Integrations

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7/19/2019 9:56:35 AM



#48

t-1,3-Dichloropropene

Concen: 101.237 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX010979.D

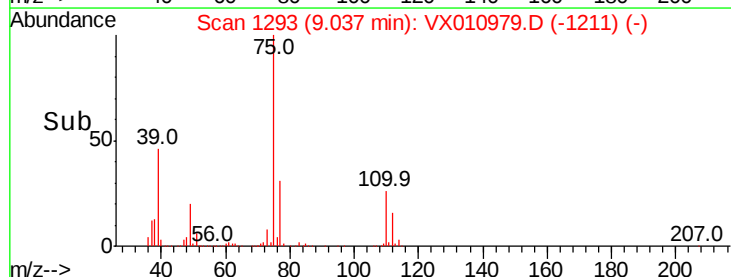
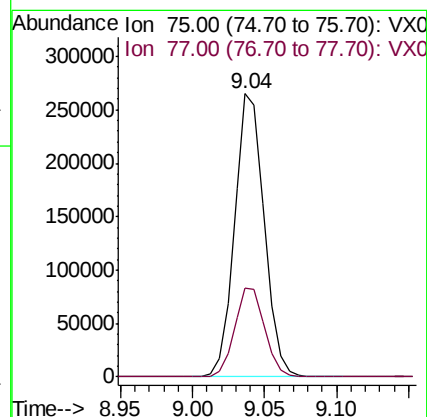
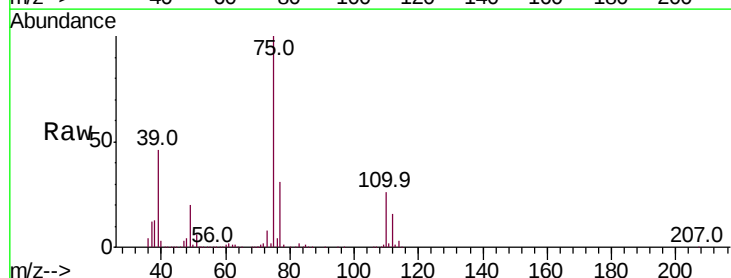
Acq: 18 Jul 2019 23:31

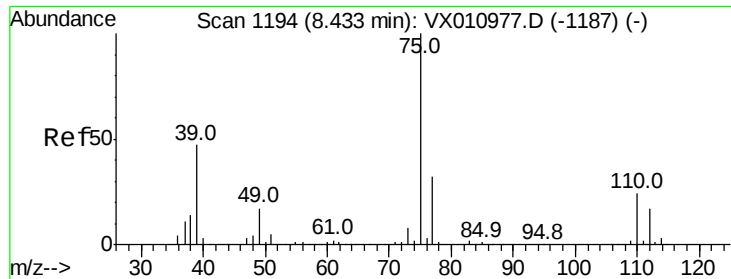
Tgt Ion: 75 Resp: 382092

Ion Ratio Lower Upper

75 100

77 31.4 25.7 38.5





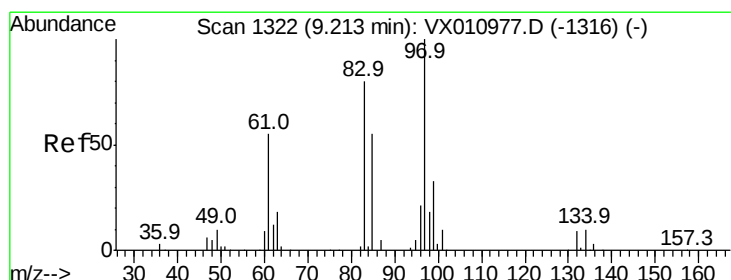
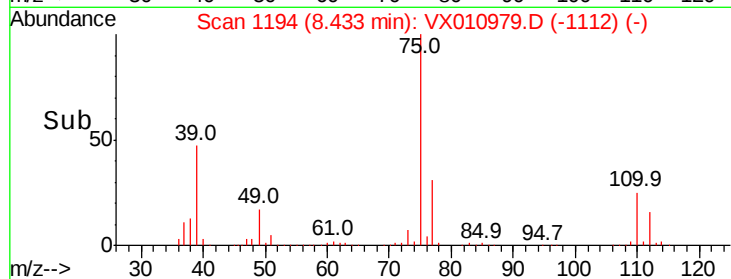
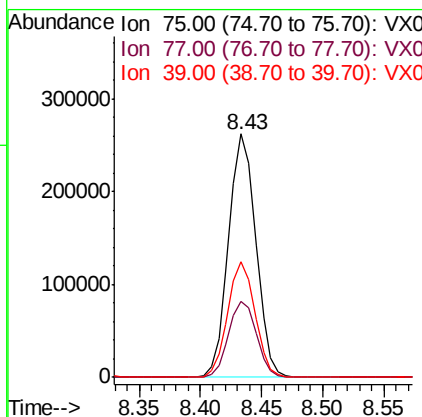
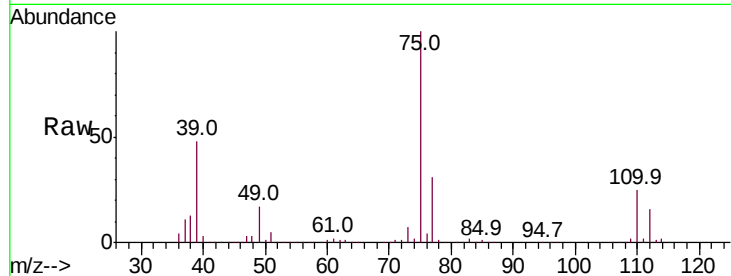
#49
 cis-1,3-Dichloropropene
 Concen: 97.731 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX010979.D
 Acq: 18 Jul 2019 23:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.3	37.9
39	47.4	37.8	56.6

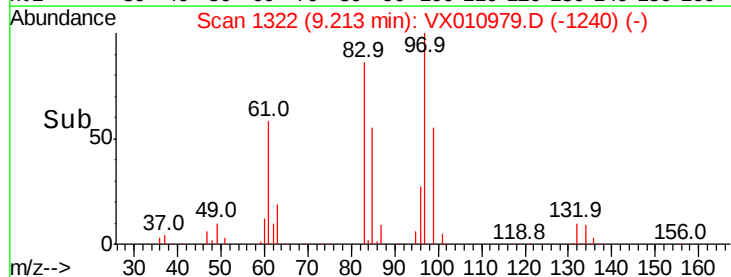
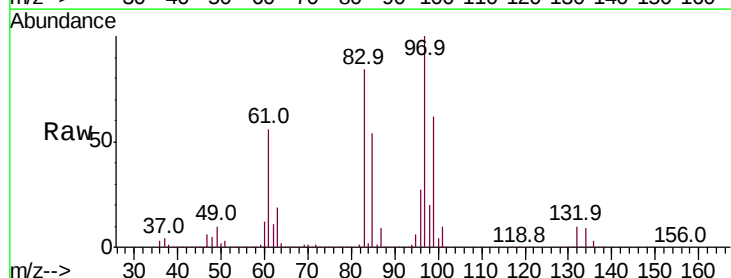
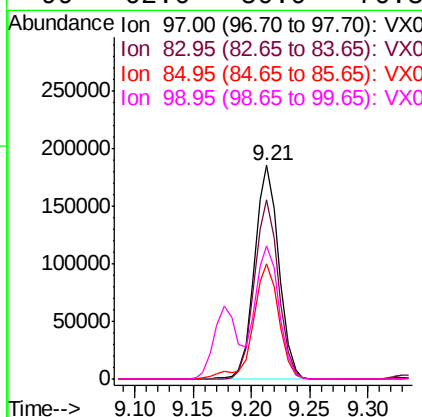
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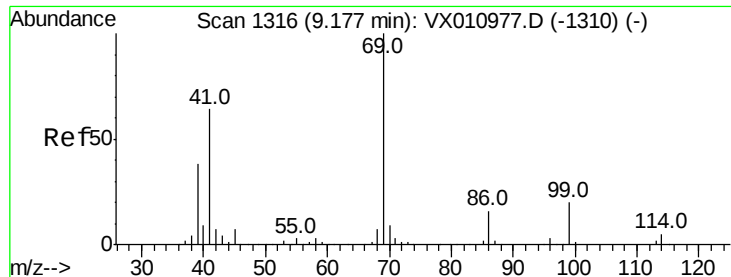
MMDadoda
 7/19/2019 9:56:35 AM



#50
 1,1,2-Trichloroethane
 Concen: 107.048 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010979.D
 Acq: 18 Jul 2019 23:31

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.1	63.9	95.9
85	54.1	43.4	65.2
99	62.0	50.9	76.3





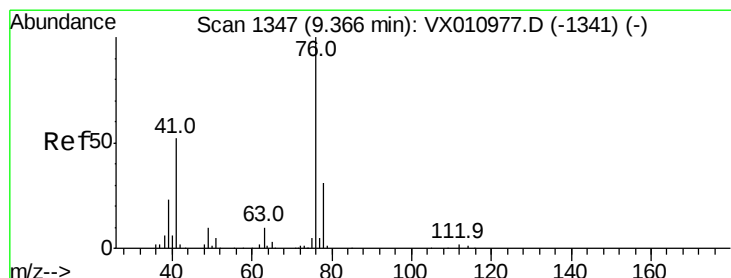
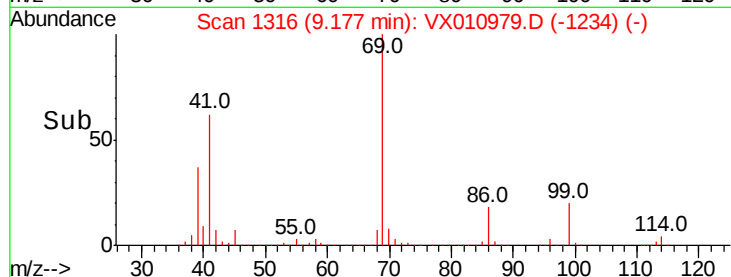
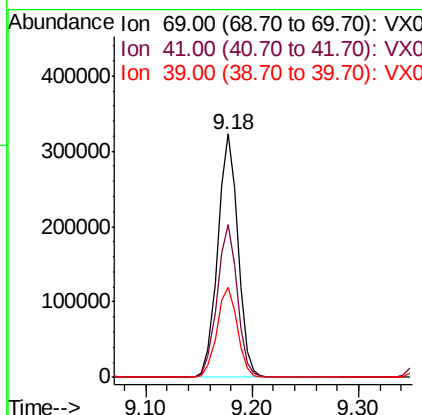
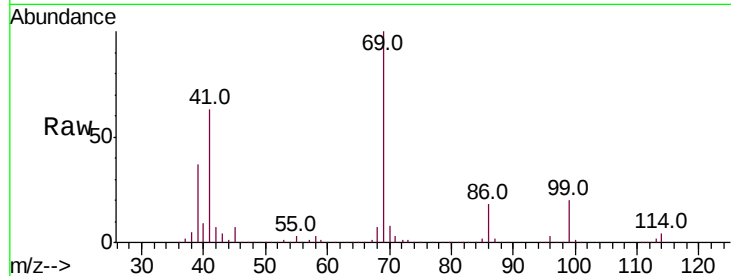
#51
Ethyl methacrylate
Concen: 95.077 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
69	100		
41	62.5	32.1	96.3
39	36.9	19.1	57.3

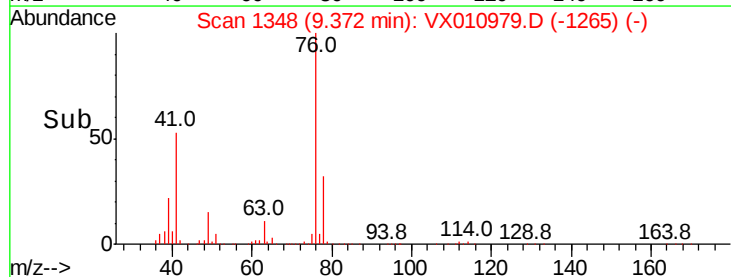
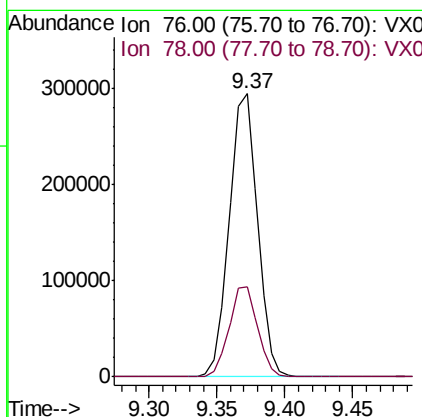
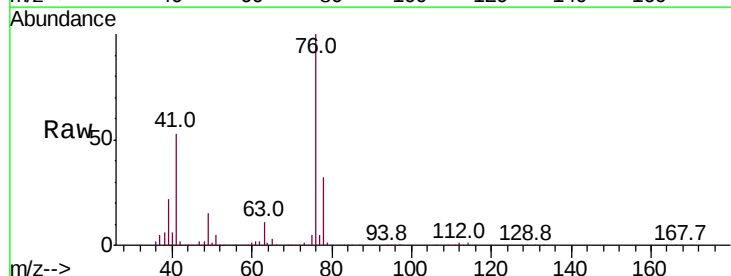
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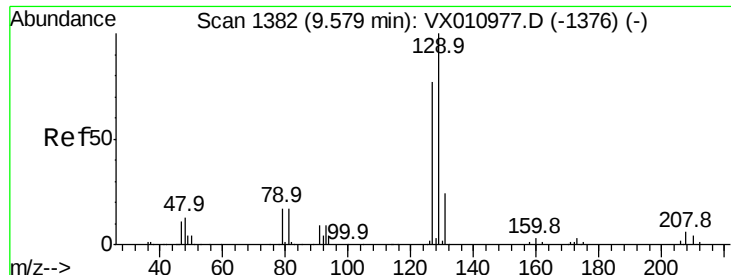
MMDadoda
7/19/2019 9:56:35 AM



#52
1,3-Dichloropropane
Concen: 97.341 ug/l
RT: 9.37 min Scan# 1348
Delta R.T. 0.01 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Tgt Ion	Ratio	Lower	Upper
76	100		
78	31.9	0.0	63.8





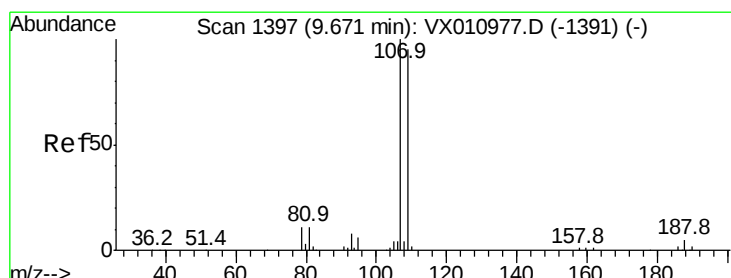
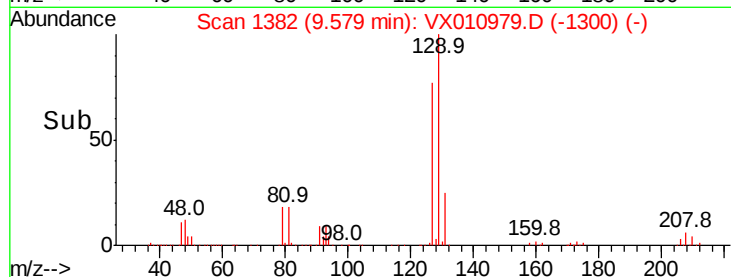
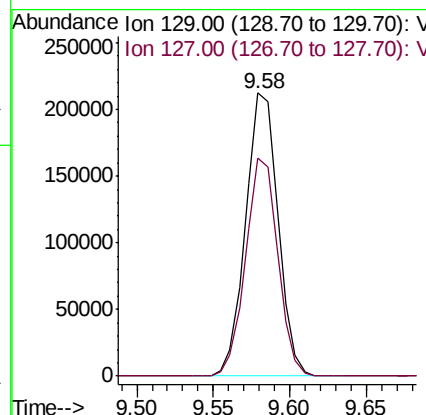
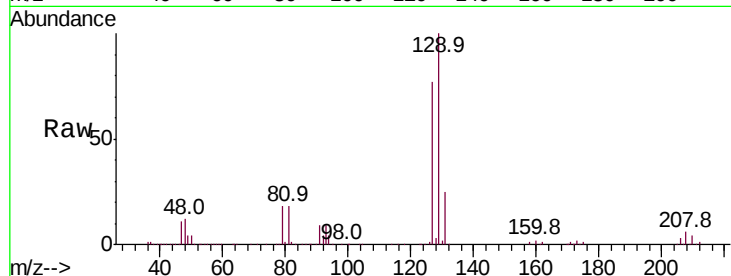
#53
Dibromochloromethane
Concen: 124.010 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:129 Resp: 313973
Ion Ratio Lower Upper
129 100
127 76.4 38.1 114.3

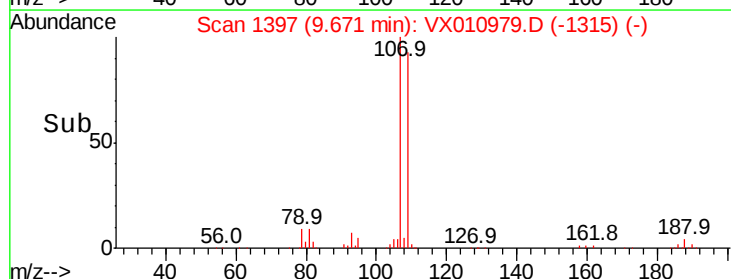
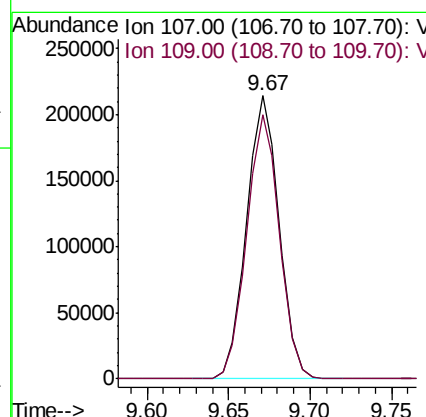
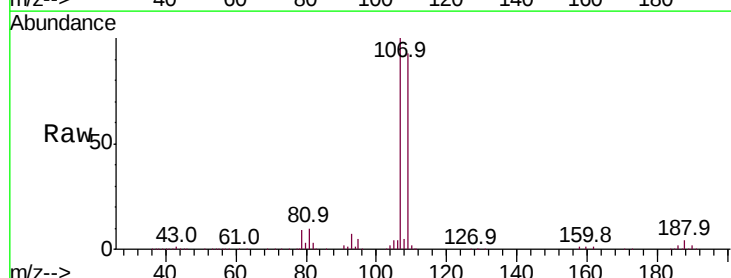
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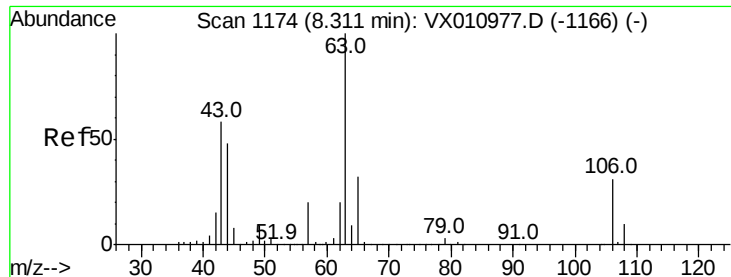
MMDadoda
7/19/2019 9:56:35 AM



#54
1,2-Dibromoethane
Concen: 114.089 ug/l
RT: 9.67 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Tgt Ion:107 Resp: 297399
Ion Ratio Lower Upper
107 100
109 94.0 77.1 115.7





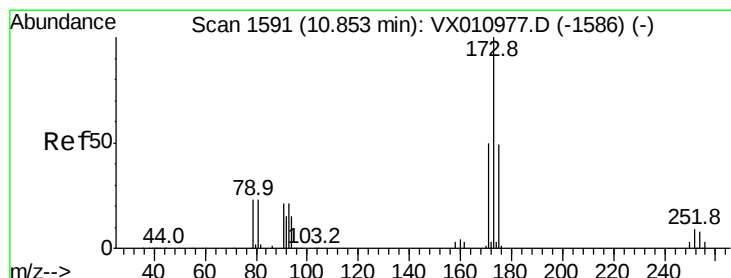
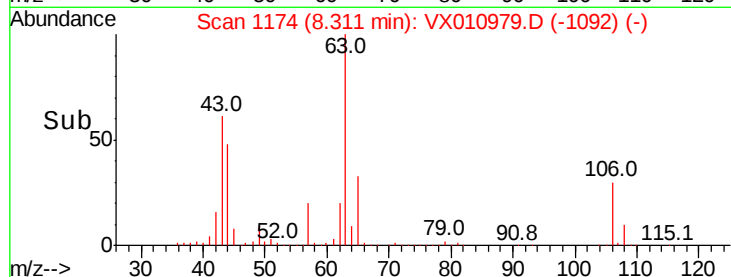
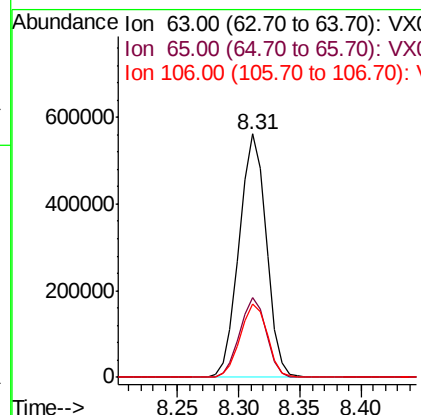
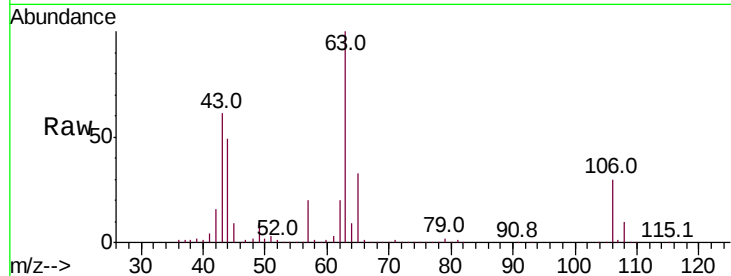
#55
2-Chloroethyl vinyl ether
Concen: 374.477 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.7	38.5
106	30.2	24.8	37.2

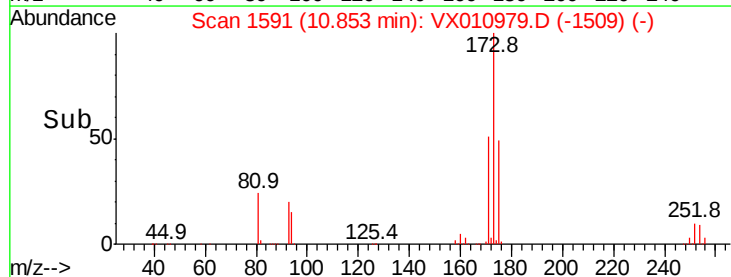
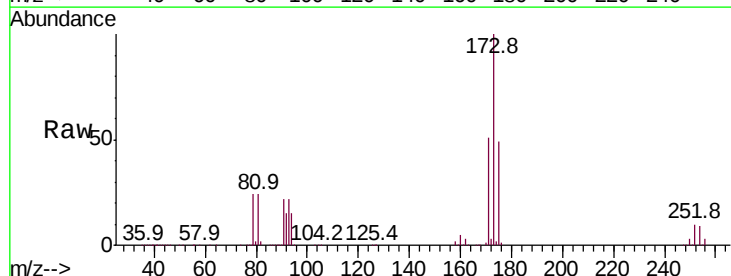
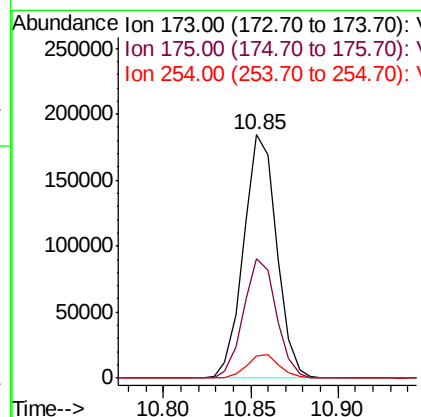
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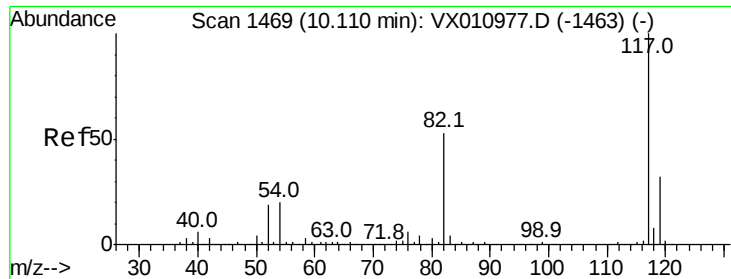
MMDadoda
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#56
Bromoform
Concen: 125.726 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.8	39.0	58.6
254	9.7	7.9	11.9





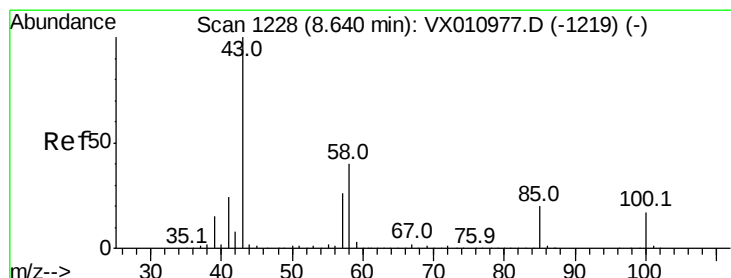
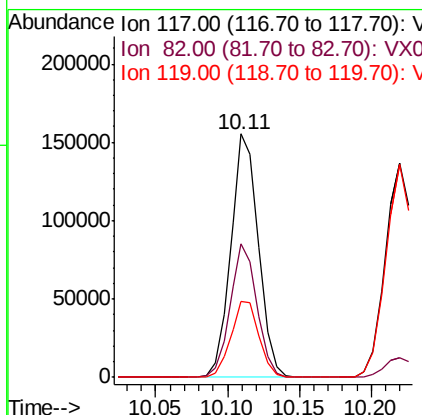
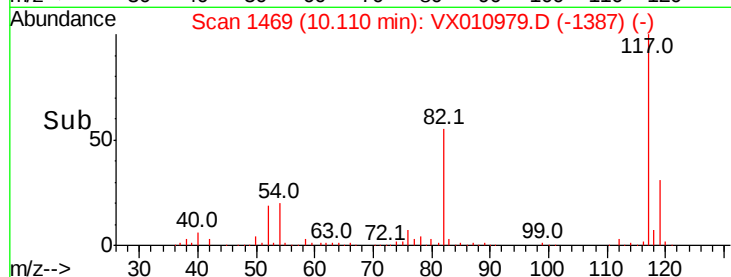
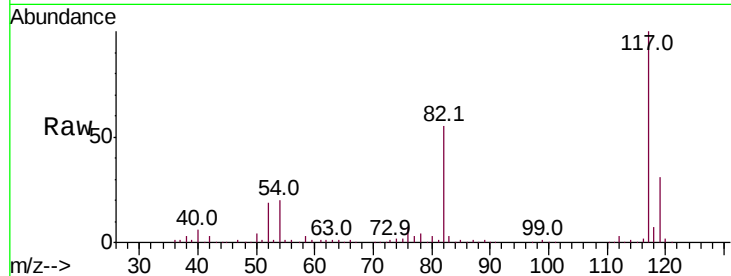
#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 10.11 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VX010979.D
 Acq: 18 Jul 2019 23:31

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tot Ion:	117	Resp:	208531
Ion Ratio	Lower	Upper	
117	100		
82	53.1	41.6	62.4
119	31.8	26.0	39.0

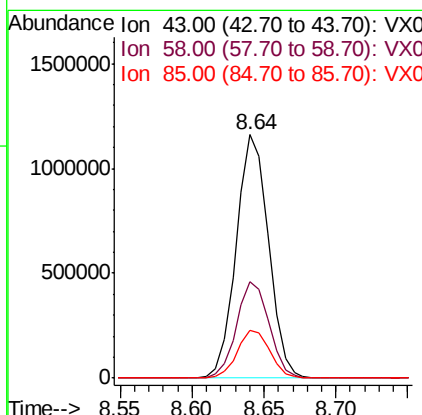
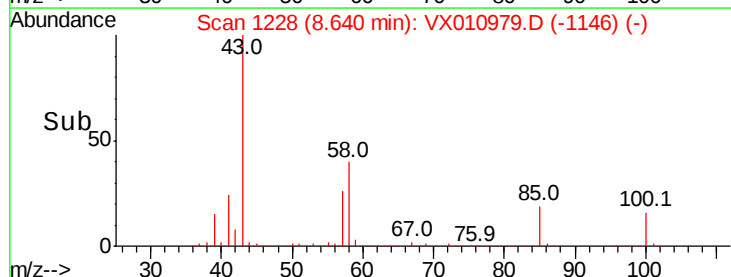
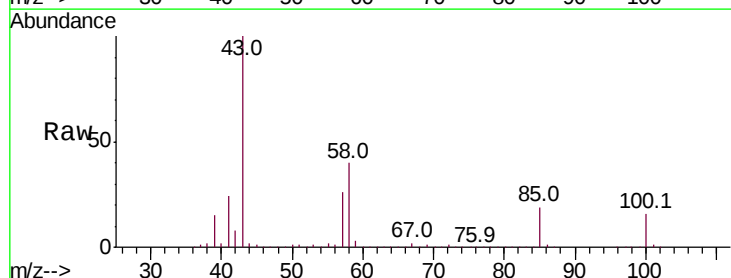
Manual Integrations
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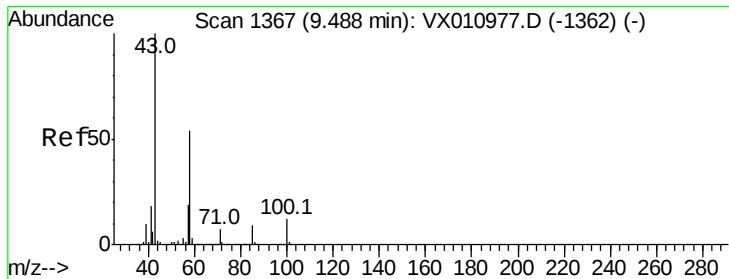
MMDadoda
 7/19/2019 9:56:35 AM



#58
 4-Methyl-2-Pentanone
 Concen: 376.385 ug/l
 RT: 8.64 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VX010979.D
 Acq: 18 Jul 2019 23:31

Tgt Ion:	43	Resp:	1810791
Ion Ratio	Lower	Upper	
43	100		
58	40.0	32.6	48.8
85	19.9	15.8	23.6





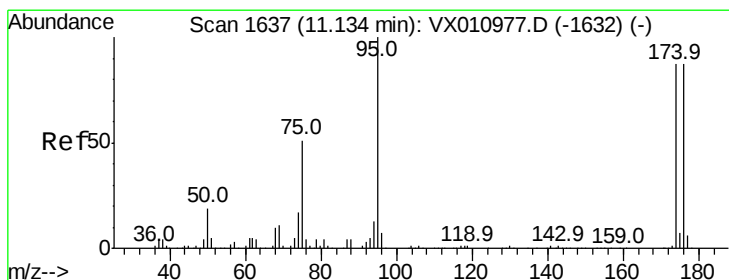
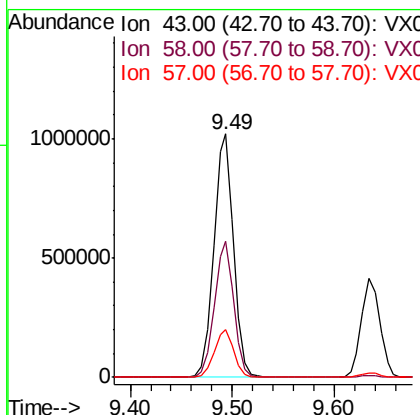
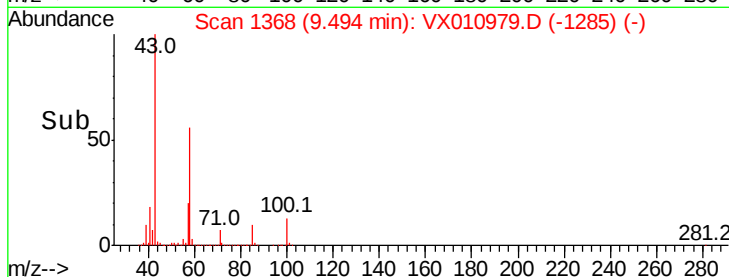
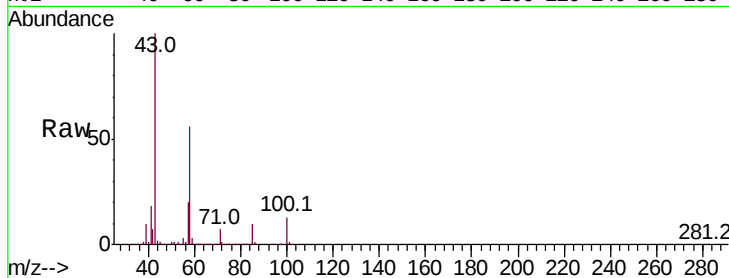
#59
2-Hexanone
Concen: 366.197 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1376090
Ion Ratio Lower Upper
43 100
58 55.1 44.7 67.1
57 19.4 15.4 23.2

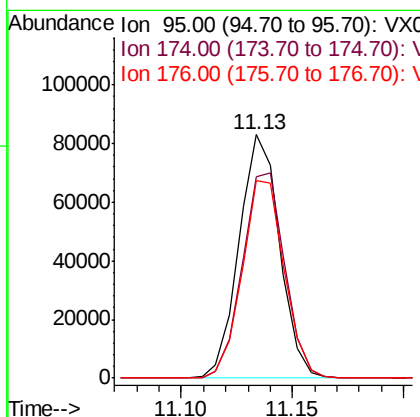
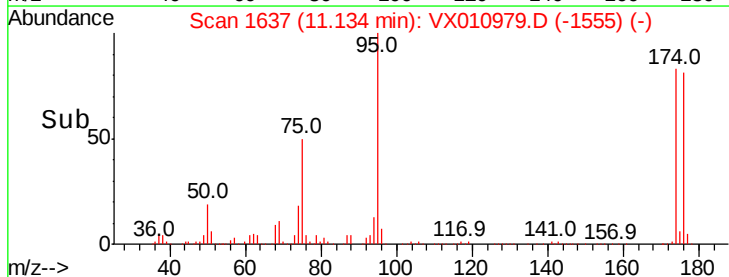
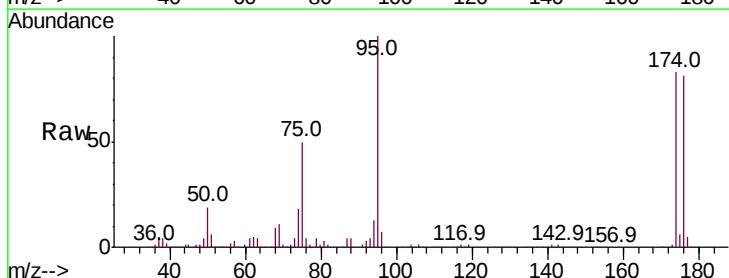
Manual Integrations
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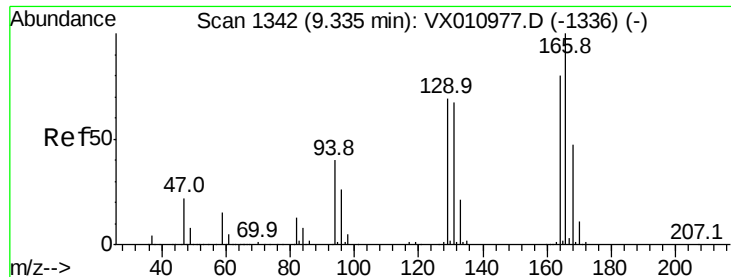
MMDadoda
7/19/2019 9:56:35 AM



#60
4-Bromofluorobenzene
Concen: 30.283 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Tgt Ion: 95 Resp: 105663
Ion Ratio Lower Upper
95 100
174 88.1 73.3 109.9
176 84.5 71.2 106.8





#61

Tetrachloroethene

Concen: 112.601 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:164 Resp: 270584

Ion Ratio Lower Upper

164 100

166 124.8 100.1 150.1

129 92.4 69.6 104.4

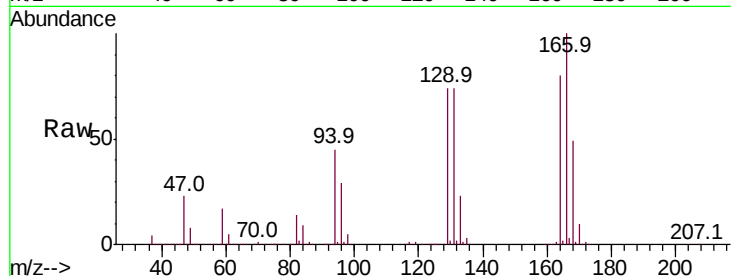
131 91.9 67.0 100.6

Manual Integrations

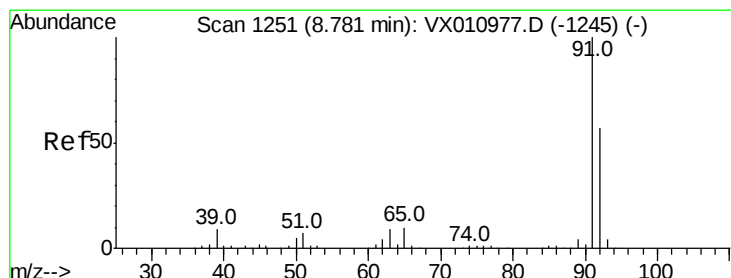
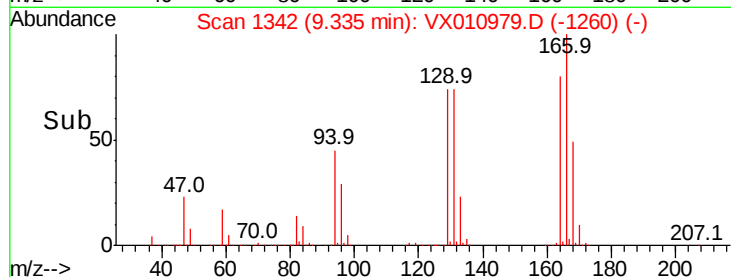
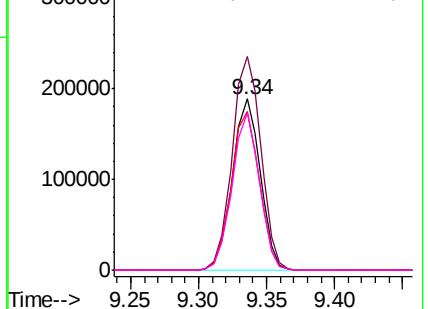
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Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 100.922 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX010979.D

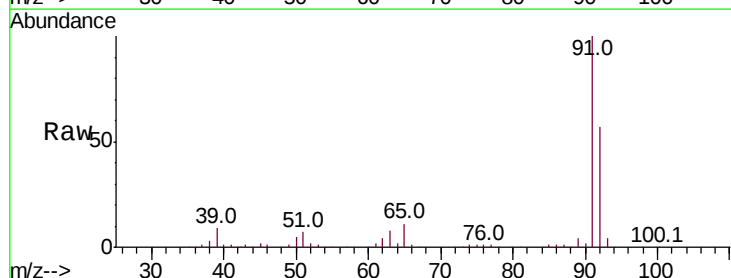
Acq: 18 Jul 2019 23:31

Tgt Ion: 91 Resp: 1122520

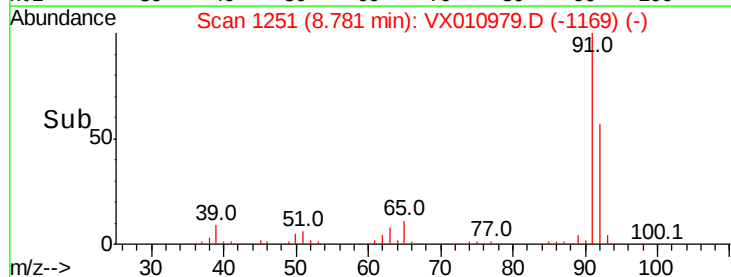
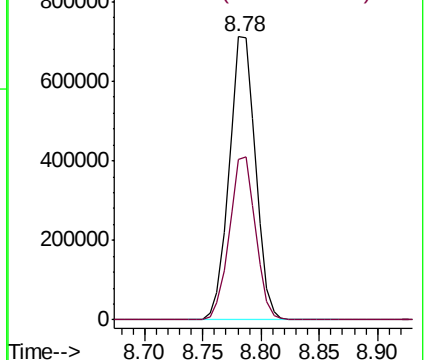
Ion Ratio Lower Upper

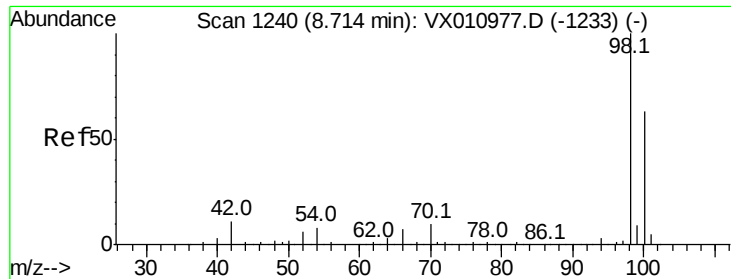
91 100

92 57.2 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 28.127 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 98 Resp: 273665

Ion Ratio Lower Upper

98 100

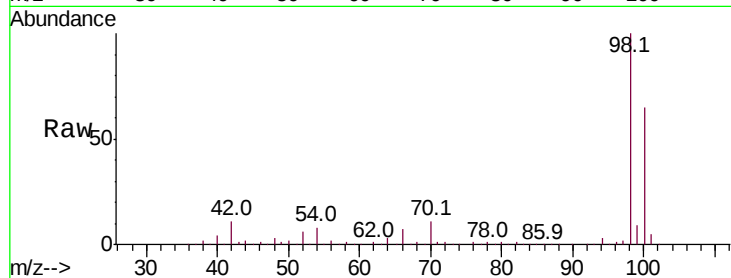
100 64.2 51.4 77.0

Manual Integrations

APPROVED

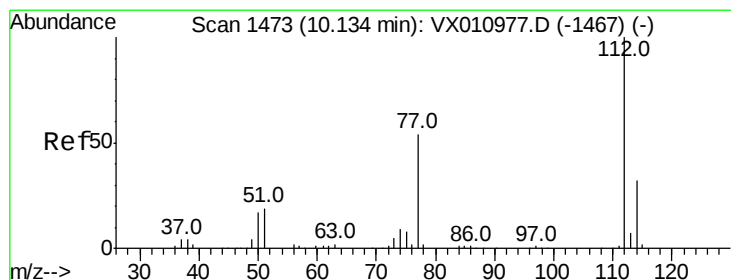
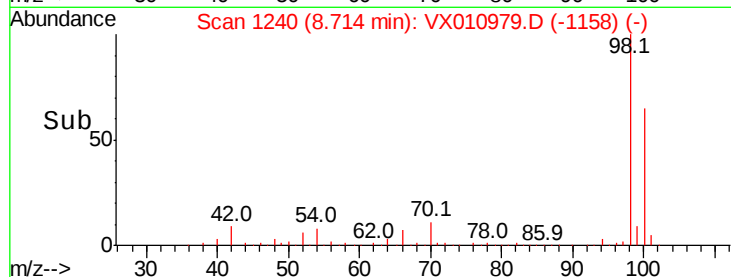
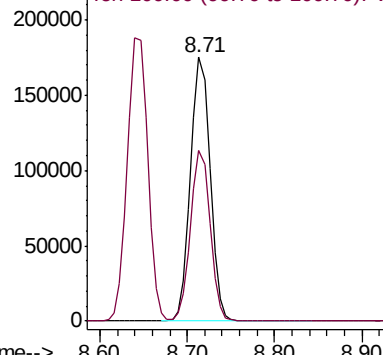
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Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#64

Chlorobenzene

Concen: 107.181 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX010979.D

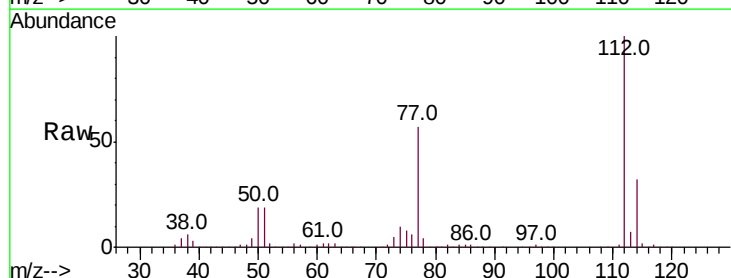
Acq: 18 Jul 2019 23:31

Tgt Ion: 112 Resp: 727675

Ion Ratio Lower Upper

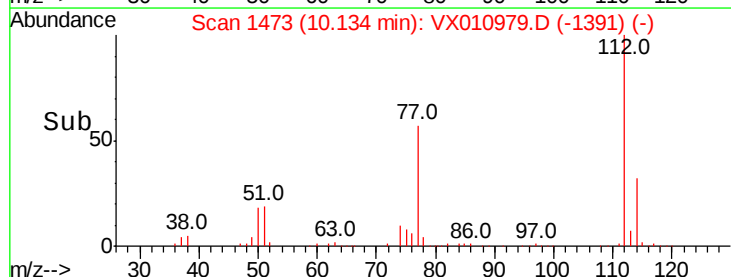
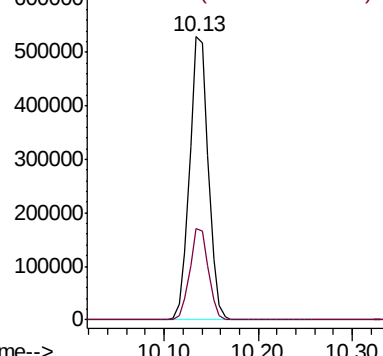
112 100

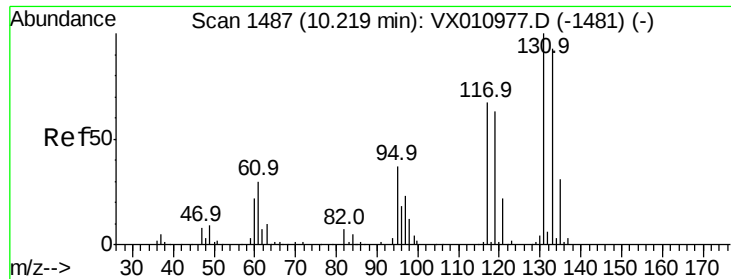
114 32.2 25.3 37.9



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





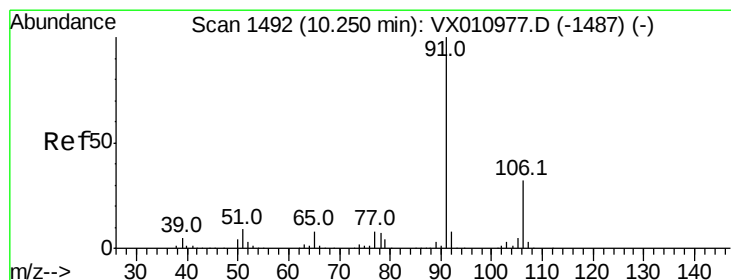
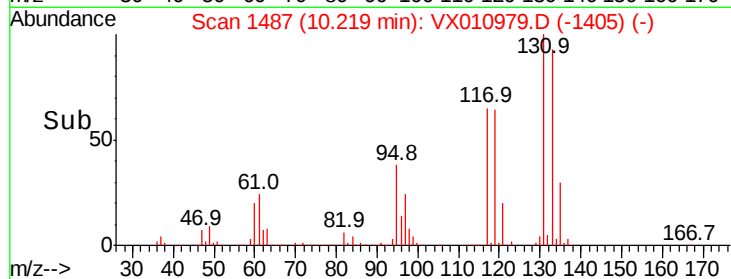
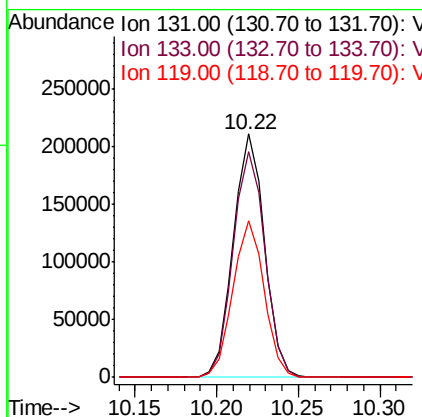
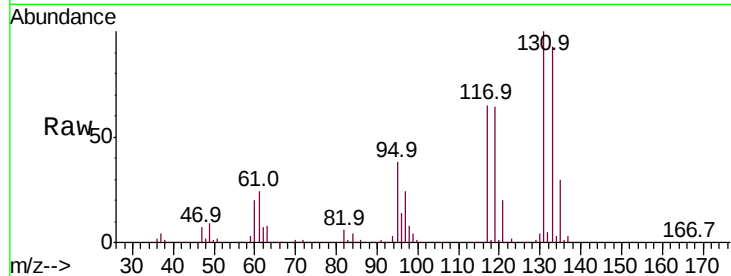
#65
 1,1,1,2-Tetrachloroethane
 Concen: 113.503 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VX010979.D
 Acq: 18 Jul 2019 23:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
131	100	281222		
133	94.9	0.0	190.2	
119	64.4	0.0	127.0	

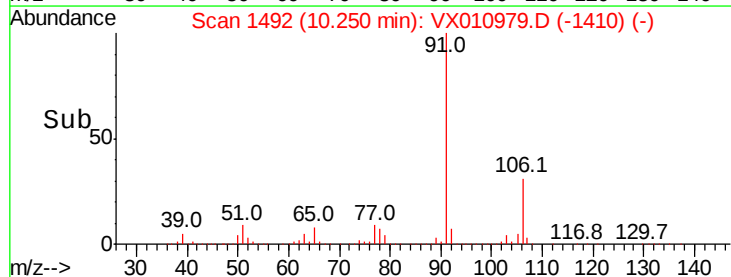
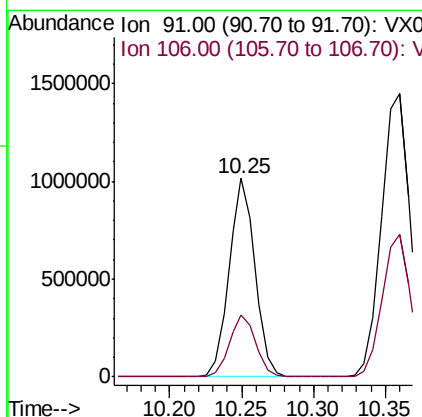
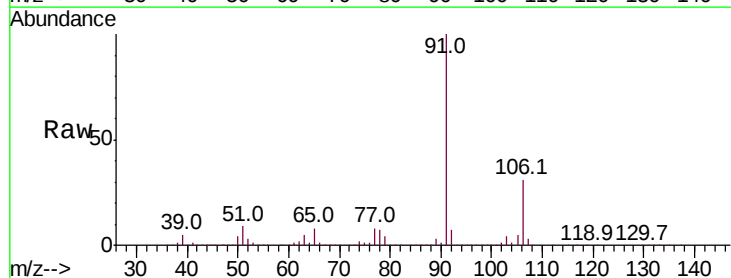
Manual Integrations
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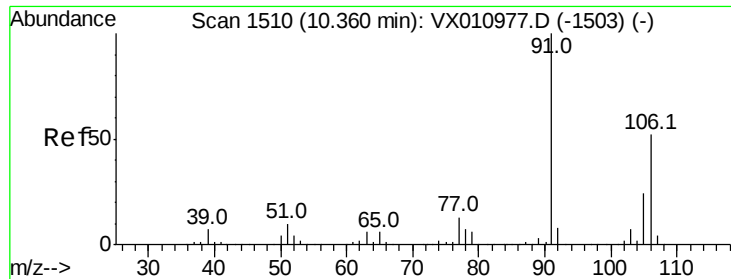
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#66
 Ethyl Benzene
 Concen: 103.170 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VX010979.D
 Acq: 18 Jul 2019 23:31

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1280837		
106	31.1	25.8	38.8	





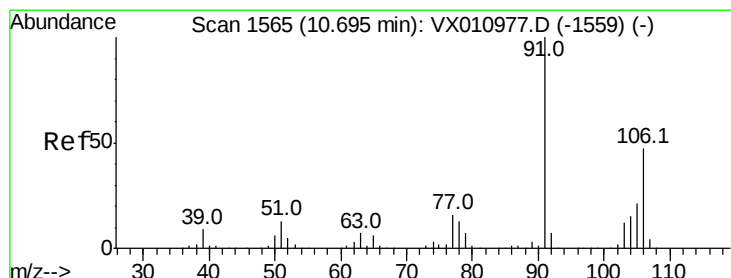
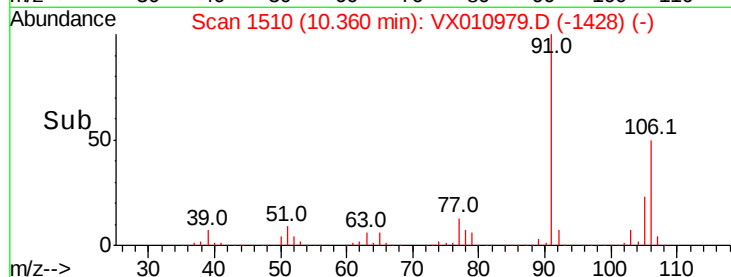
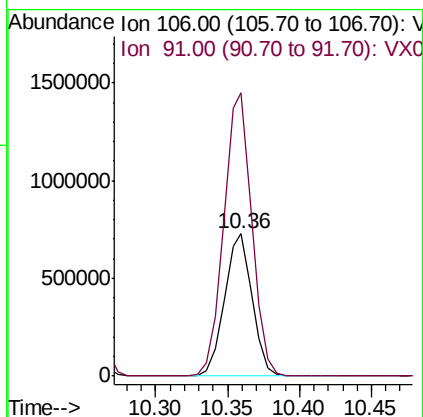
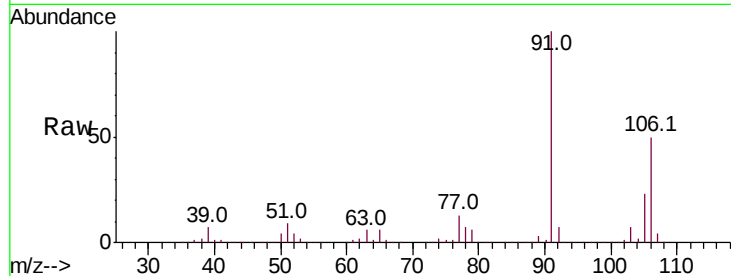
#67
m/p-Xvlenes
Concen: 213.858 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 982794
Ion Ratio Lower Upper
106 100
91 201.1 156.6 235.0

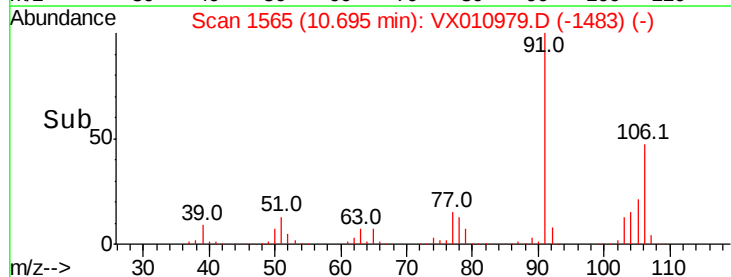
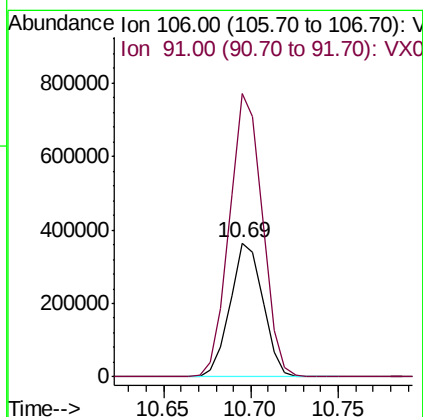
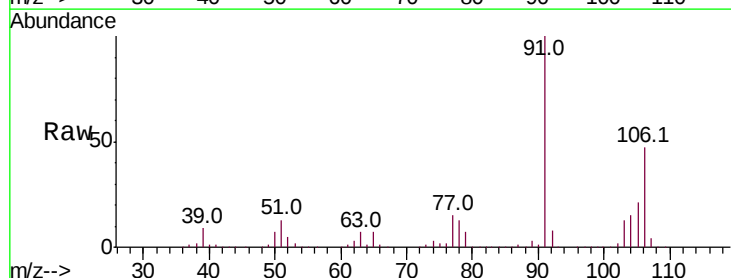
Manual Integrations
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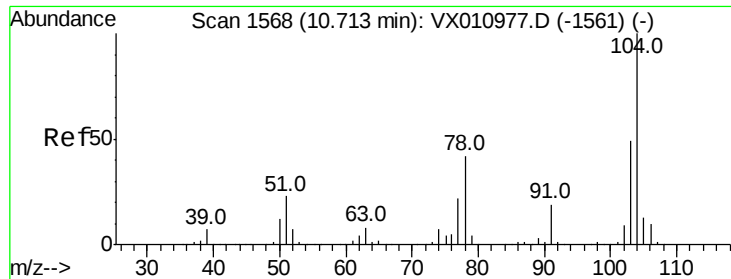
MMDadoda
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#68
o-Xylene
Concen: 105.913 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Tgt Ion:106 Resp: 477768
Ion Ratio Lower Upper
106 100
91 211.6 104.0 312.0





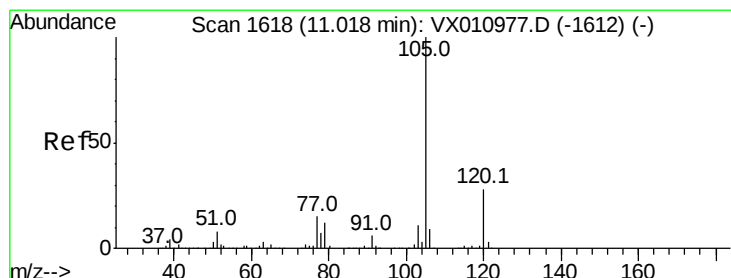
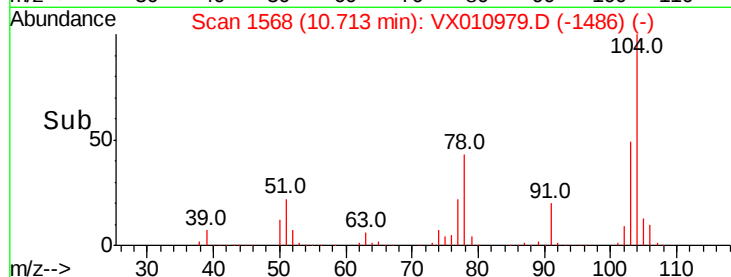
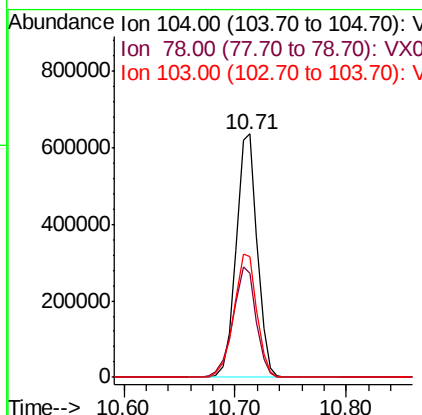
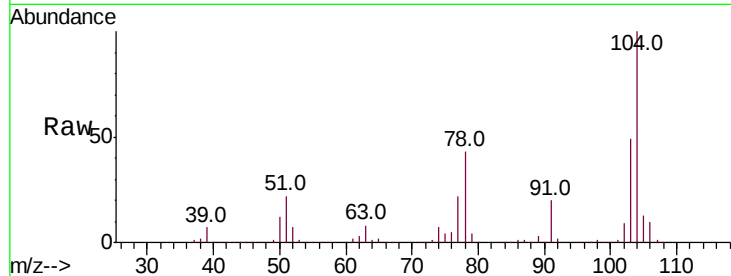
#69
Stvrene
Concen: 106.042 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.9	38.5	57.7
103	55.3	44.6	67.0

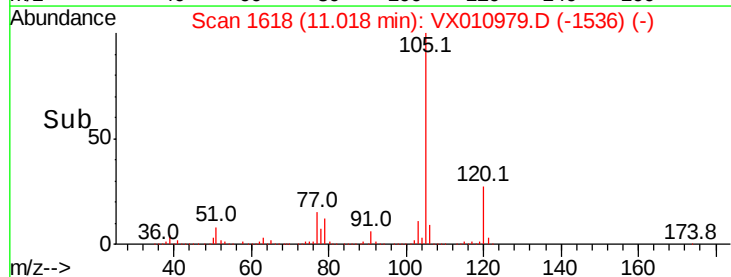
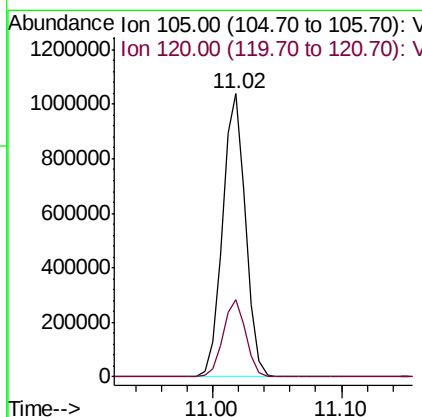
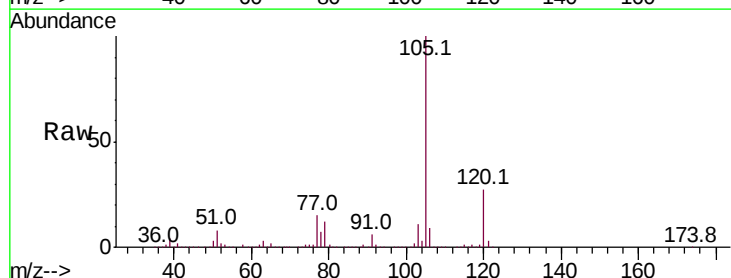
Manual Integrations
APPROVED

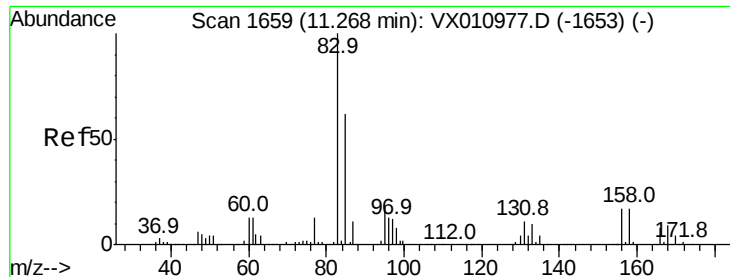
MMDadoda
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#70
Isopropylbenzene
Concen: 107.974 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.1	19.4	36.0





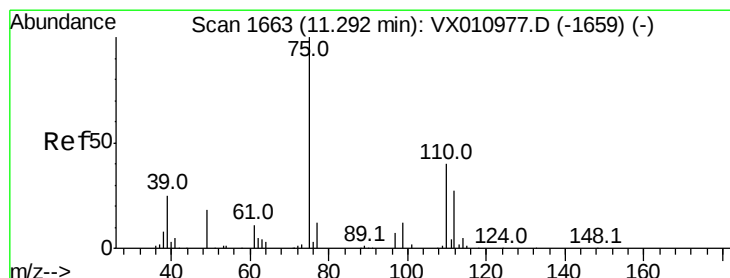
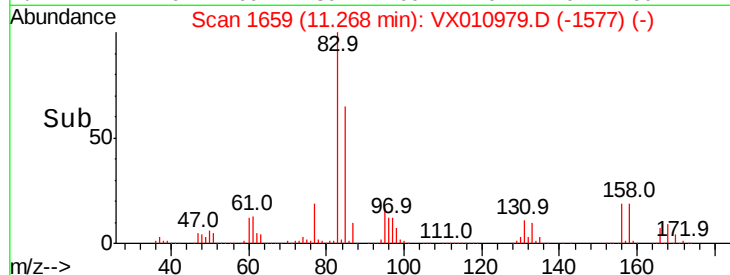
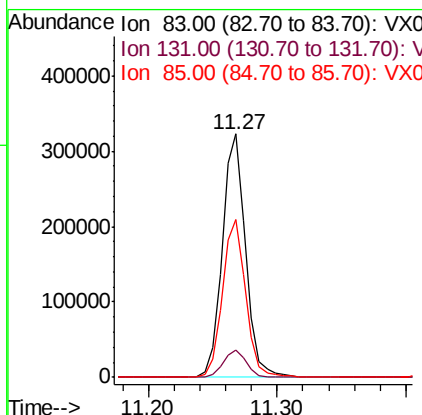
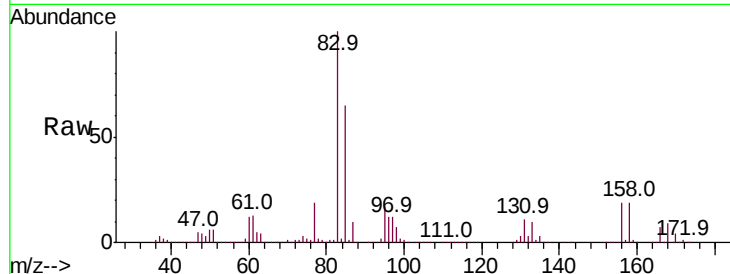
#71
 1,1,2,2-Tetrachloroethane
 Concen: 94.850 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VX010979.D
 Acq: 18 Jul 2019 23:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	11.2	5.5	16.4	
85	65.4	32.1	96.3	

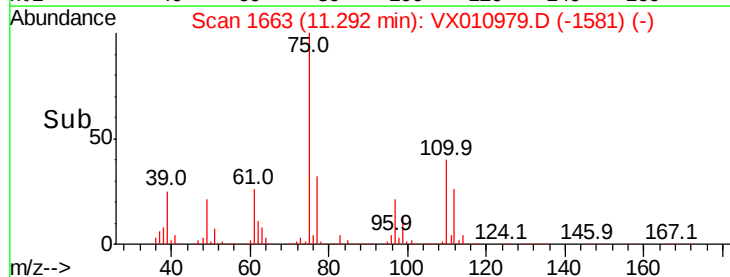
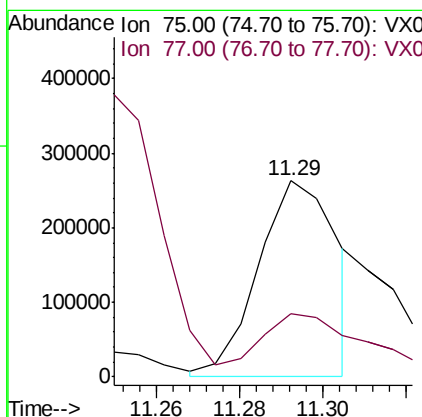
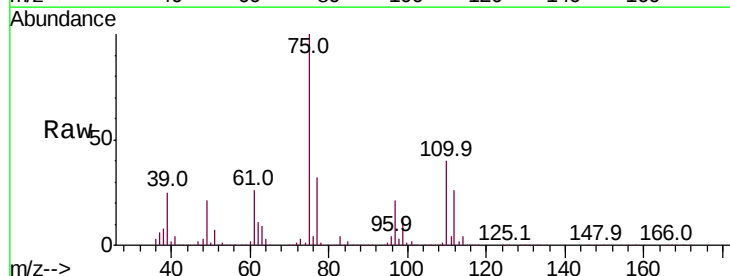
Manual Integrations
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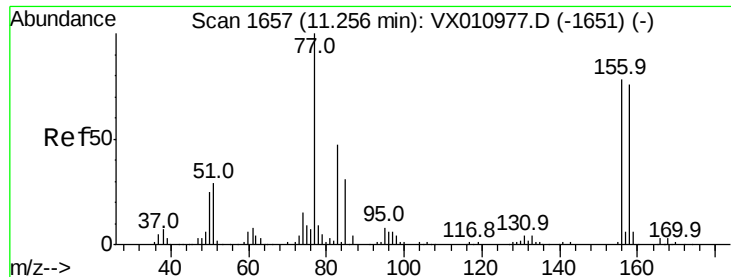
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#72
 1,2,3-Trichloropropane
 Concen: 93.858 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VX010979.D
 Acq: 18 Jul 2019 23:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	43.7	0.0	84.0	





#73

Bromobenzene

Concen: 114.173 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

Instrument :

MSVOA_X

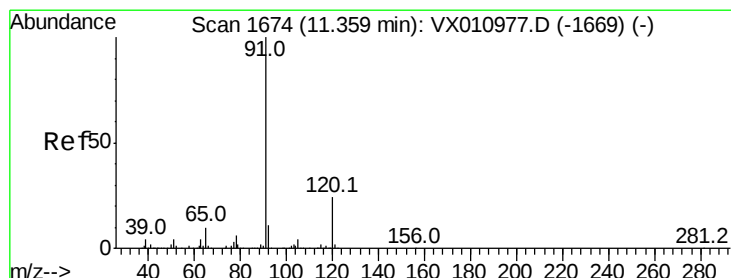
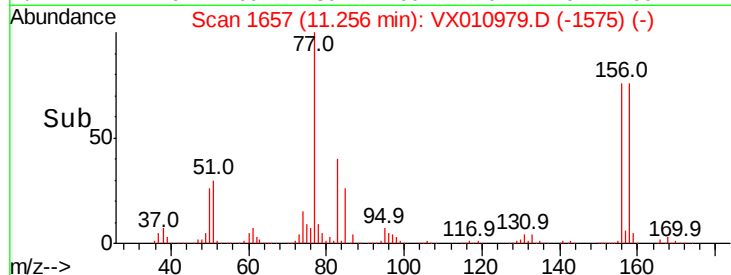
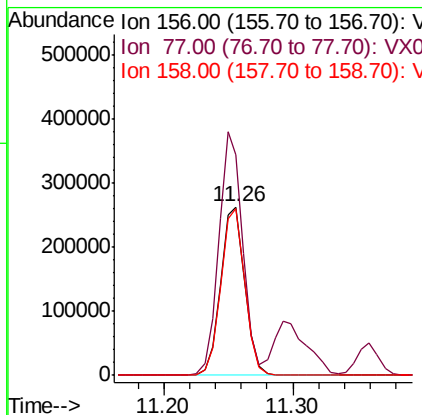
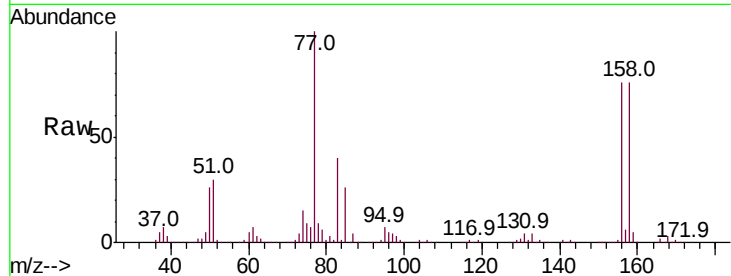
ClientSampleId :

VSTDIC100

Tot Ion	156	Resp	346593
Ion	Ratio	Lower	Upper
156	100		
77	142.0	0.0	275.8
158	98.4	0.0	195.2

Manual Integrations
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#74

n-propylbenzene

Concen: 106.774 ug/l

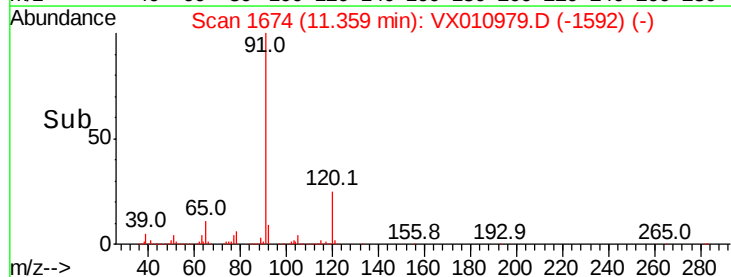
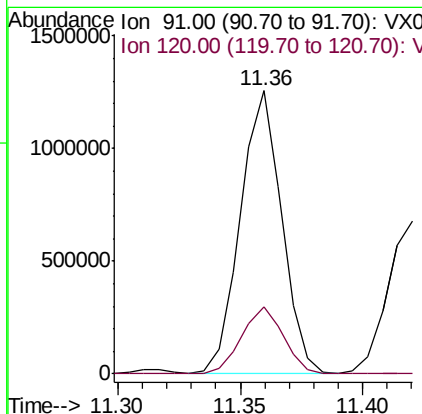
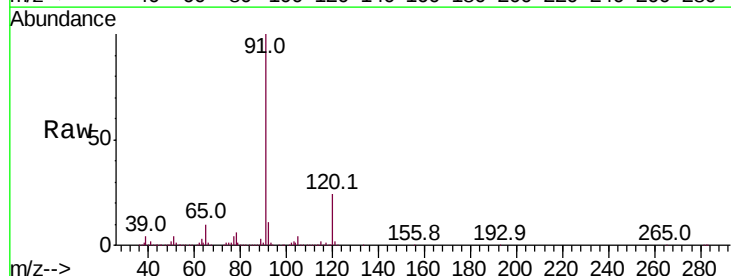
RT: 11.36 min Scan# 1674

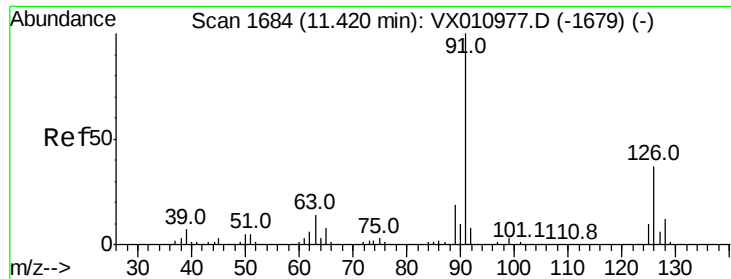
Delta R.T. 0.00 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

Tgt Ion	91	Resp	1483106
Ion	Ratio	Lower	Upper
91	100		
120	23.8	0.0	47.6





#75

2-Chlorotoluene

Concen: 103.927 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 863564

Ion Ratio Lower Upper

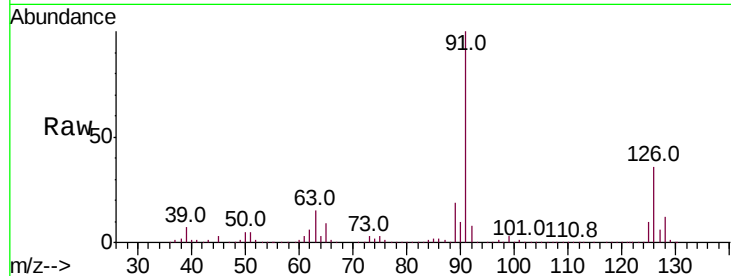
91 100

126 35.6 0.0 72.4

Manual Integrations
APPROVED

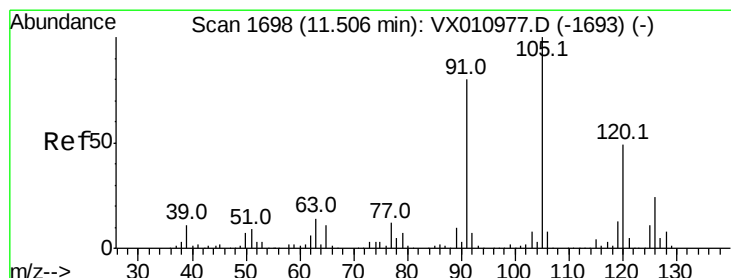
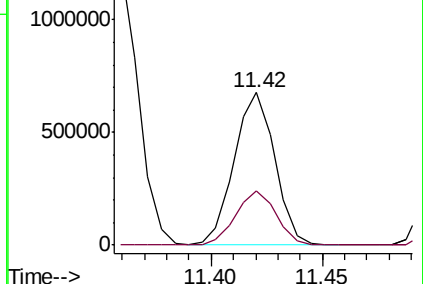
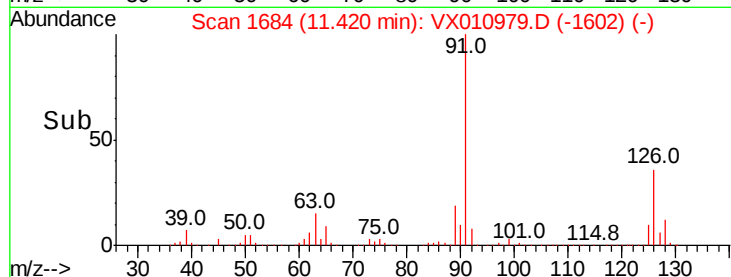
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Abundance Ion 91.00 (90.70 to 91.70): VX010977.D (-1679) (-)

Ion 126.00 (125.70 to 126.70): VX010977.D (-1679) (-)



#76

1,3,5-Trimethylbenzene

Concen: 107.542 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010979.D

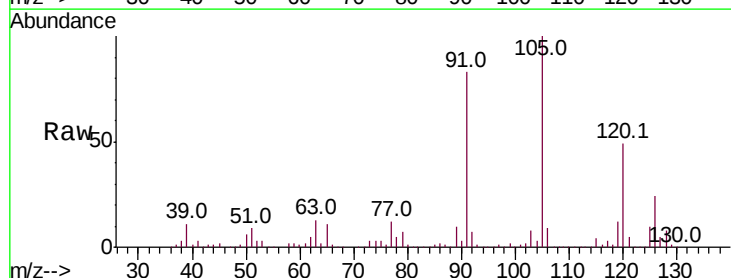
Acq: 18 Jul 2019 23:31

Tgt Ion:105 Resp: 1100042

Ion Ratio Lower Upper

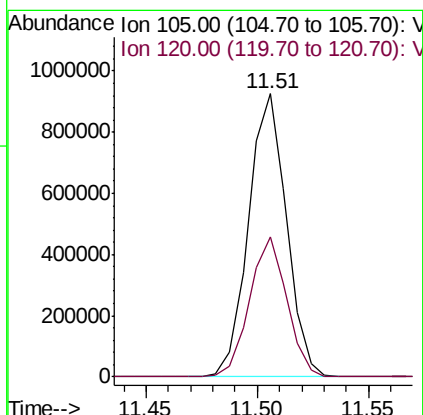
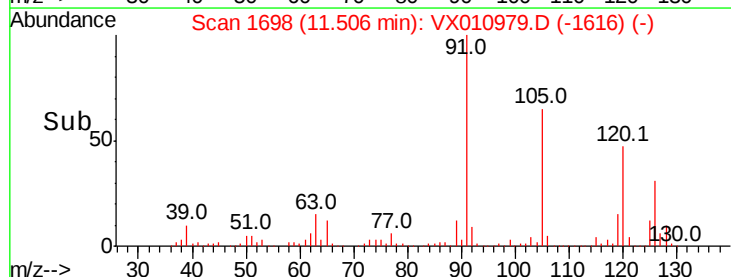
105 100

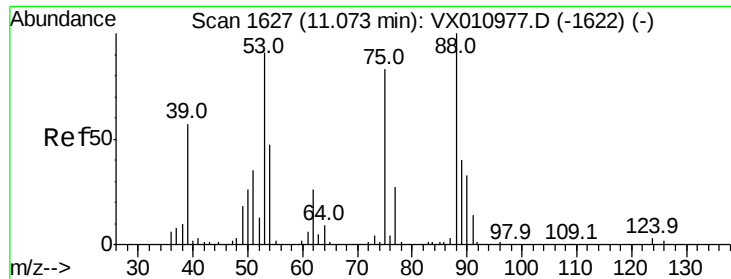
120 48.5 0.0 96.6



Abundance Ion 105.00 (104.70 to 105.70): VX010977.D (-1693) (-)

Ion 120.00 (119.70 to 120.70): VX010977.D (-1693) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 92.740 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

Instrument :

MSVOA_X

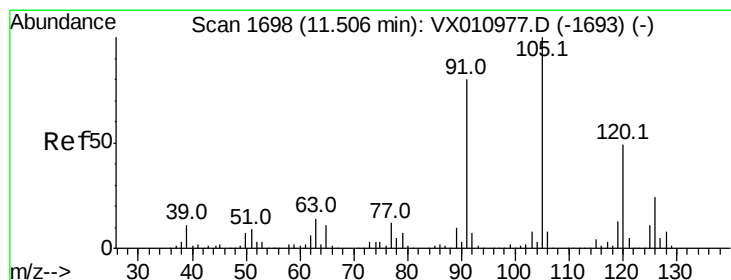
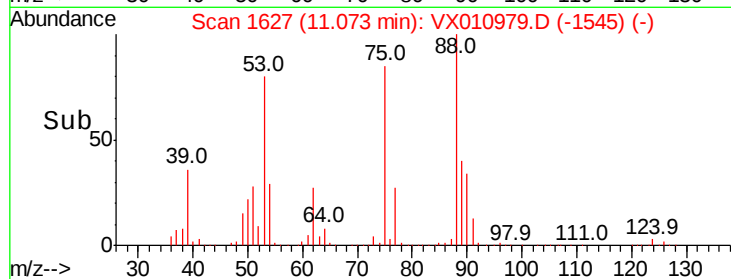
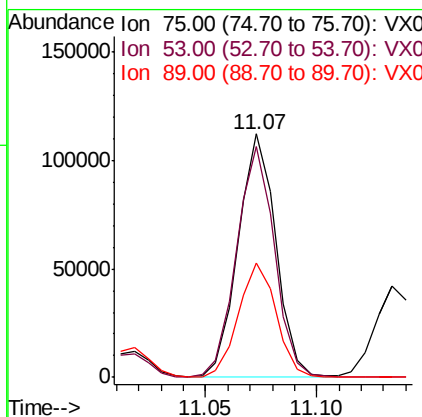
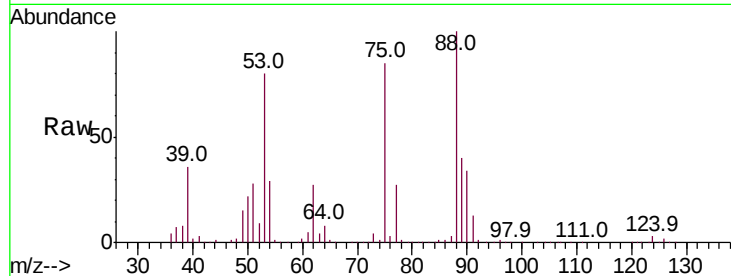
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	133040
Ion	Ratio	Lower	Upper
75	100		
53	94.8	54.8	164.3
89	47.1	24.6	73.6

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#78

4-Chlorotoluene

Concen: 106.368 ug/l

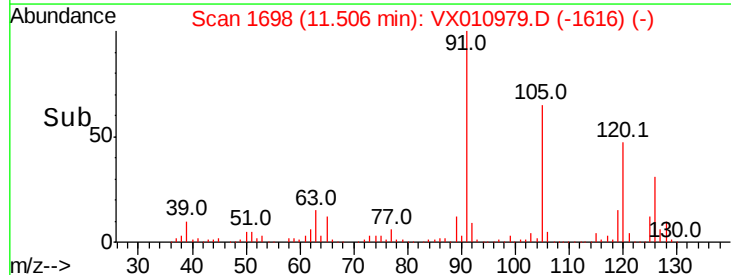
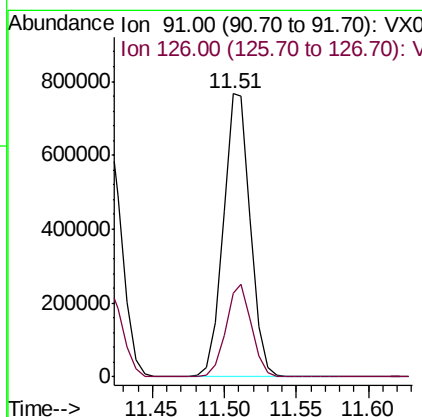
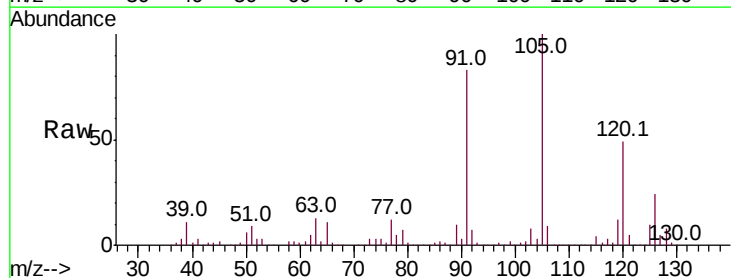
RT: 11.51 min Scan# 1698

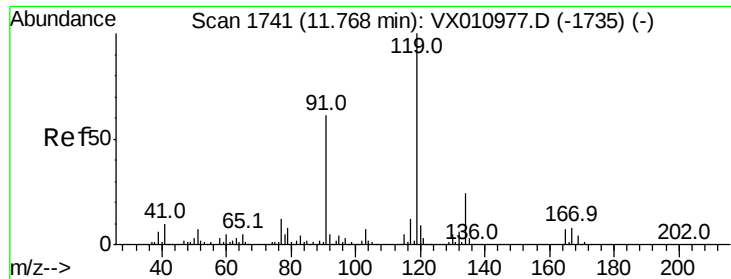
Delta R.T. 0.00 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

Tgt Ion:	91	Resp:	1006955
Ion	Ratio	Lower	Upper
91	100		
126	31.0	0.0	63.6





#79

tert-butylbenzene

Concen: 108.967 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:119 Resp: 1075223

Ion Ratio Lower Upper

119 100

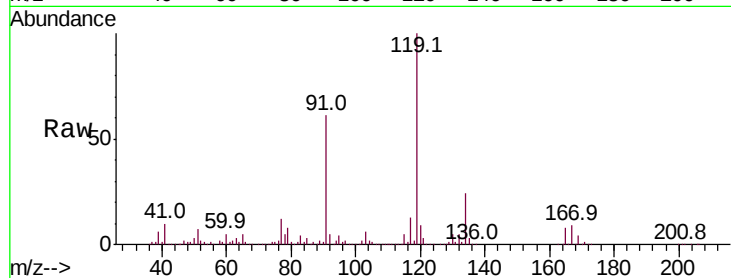
91 58.4 0.0 118.4

134 23.4 0.0 47.4

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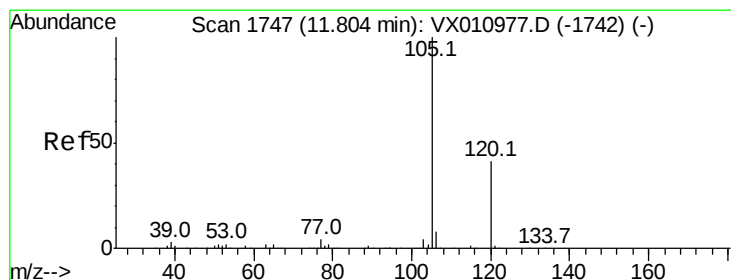
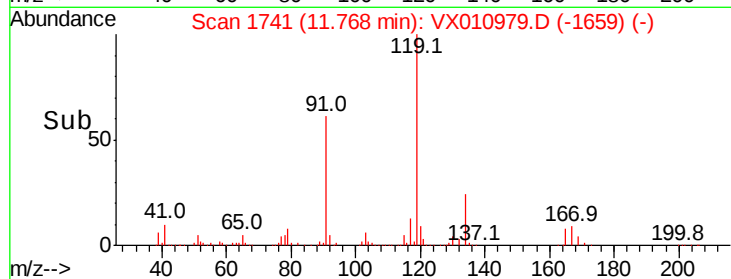
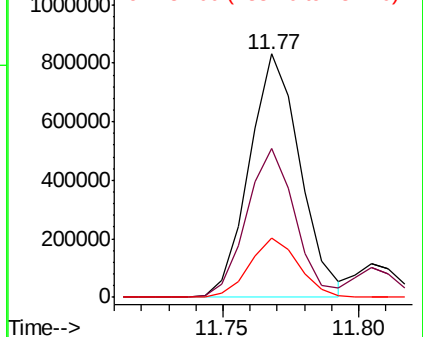
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 107.179 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX010979.D

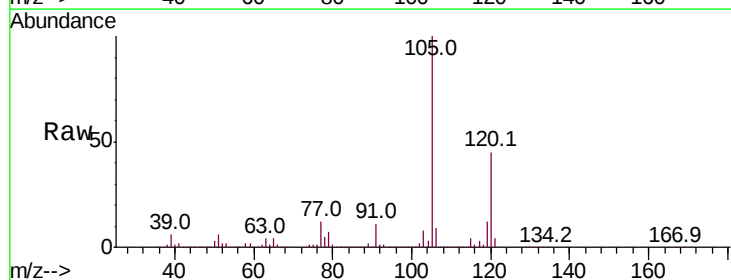
Acq: 18 Jul 2019 23:31

Tgt Ion:105 Resp: 1099970

Ion Ratio Lower Upper

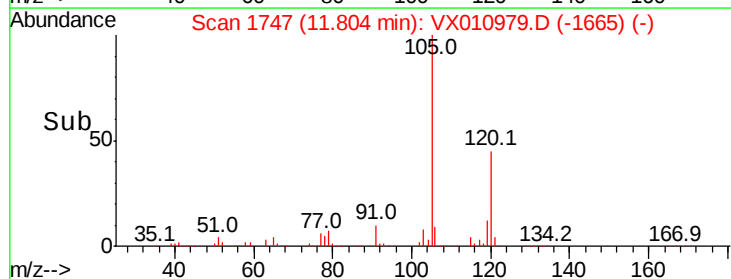
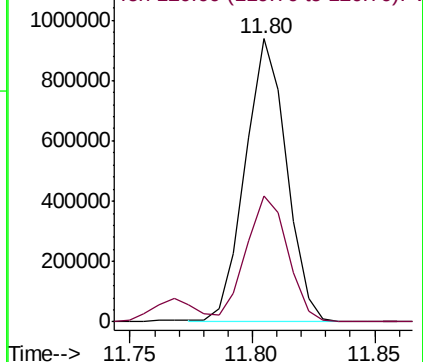
105 100

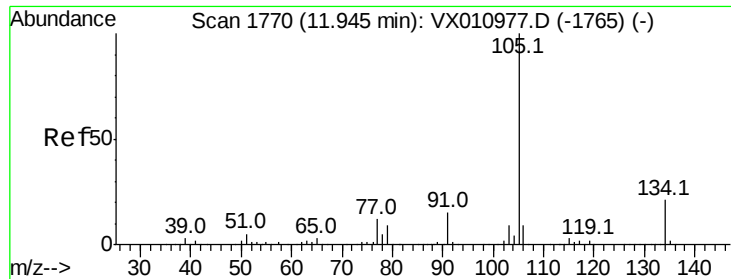
120 44.9 0.0 91.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





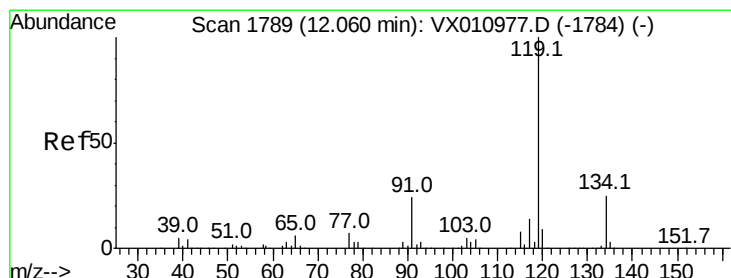
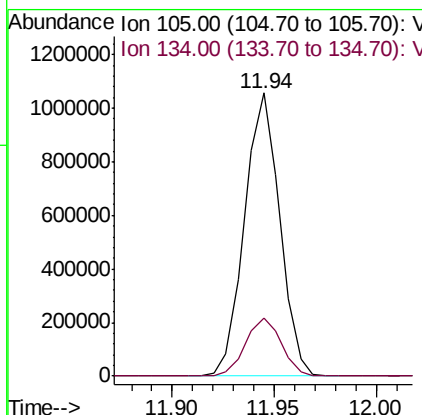
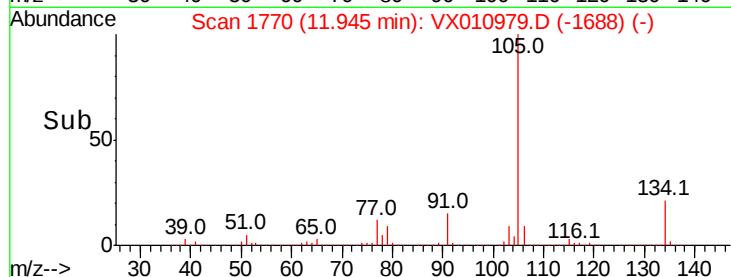
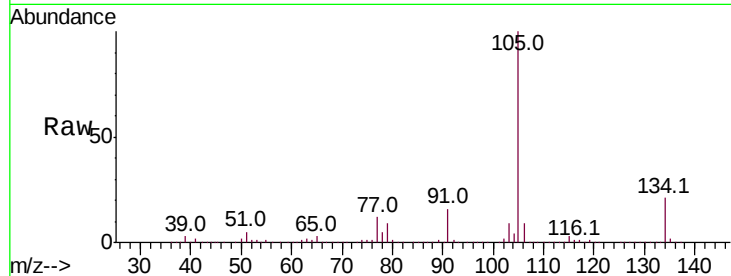
#81
 sec-Butylbenzene
 Concen: 108.071 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX010979.D
 Acq: 18 Jul 2019 23:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 1268507
 Ion Ratio Lower Upper
 105 100
 134 20.9 0.0 41.8

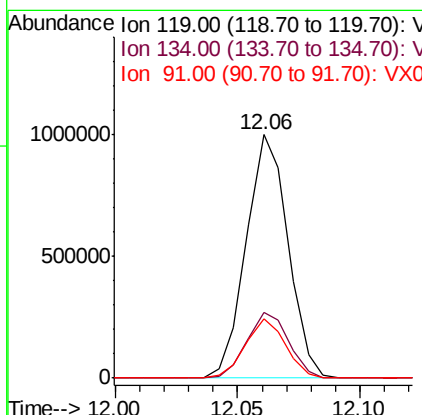
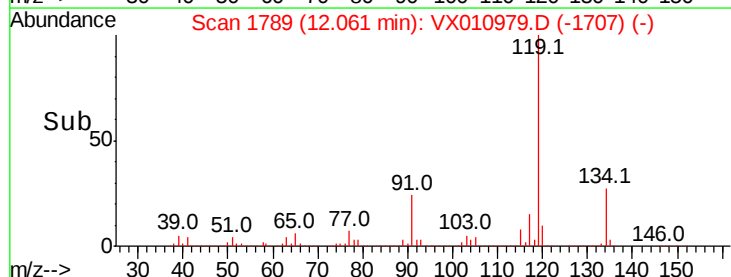
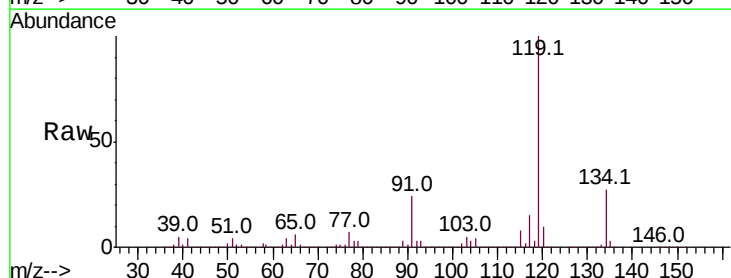
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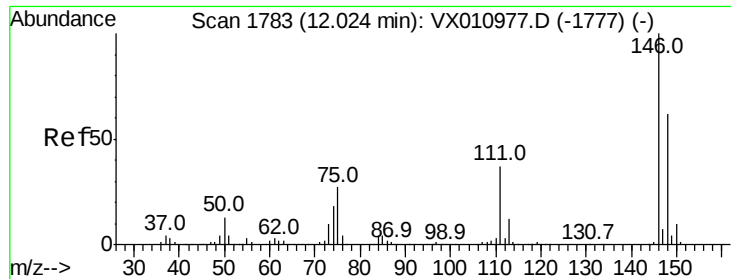
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#82
 p-Isopropyltoluene
 Concen: 110.544 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX010979.D
 Acq: 18 Jul 2019 23:31

Tgt Ion:119 Resp: 1184820
 Ion Ratio Lower Upper
 119 100
 134 27.1 0.0 52.8
 91 23.8 0.0 47.0





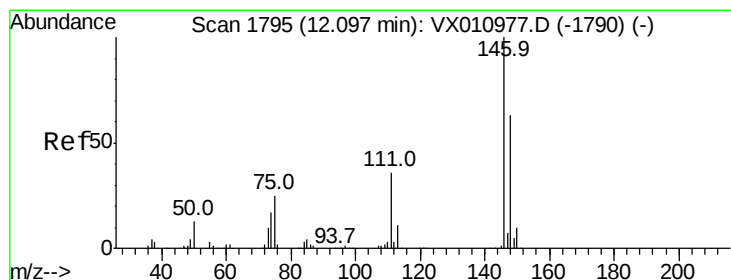
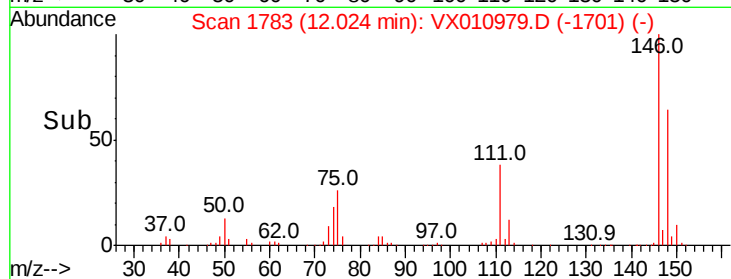
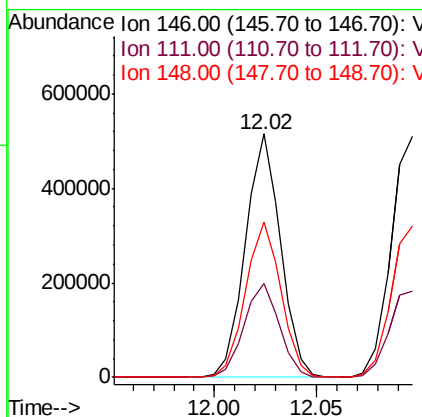
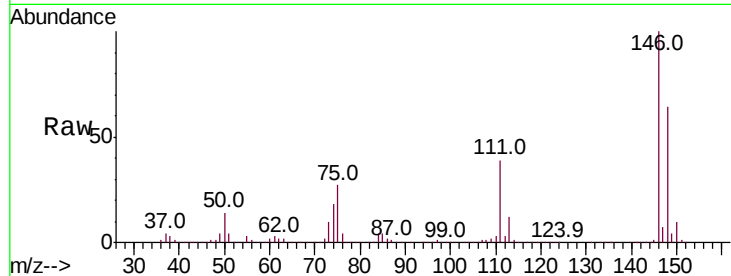
#83
 1,3-Dichlorobenzene
 Concen: 113.525 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010979.D
 Acq: 18 Jul 2019 23:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.9	56.9
148	64.1	31.4	94.0

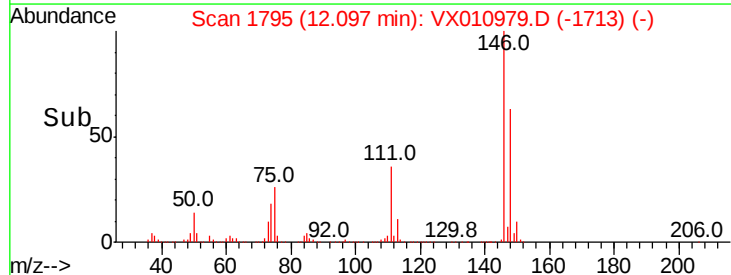
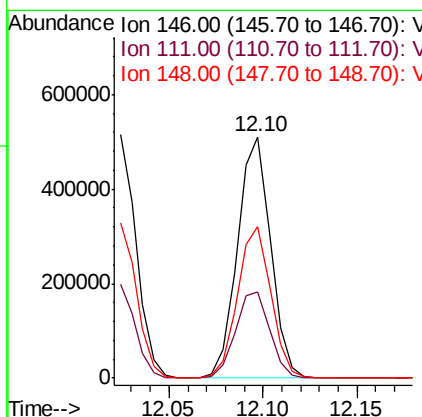
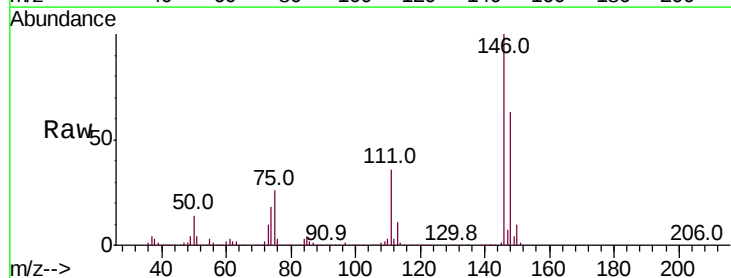
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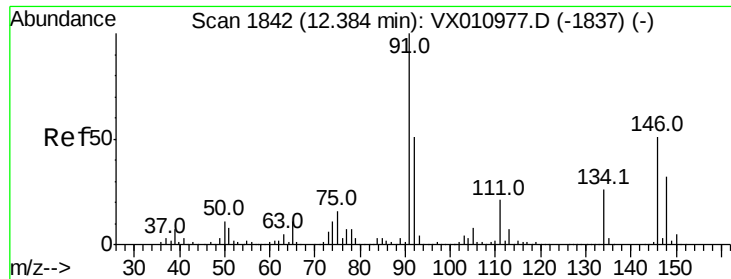
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#84
 1,4-Dichlorobenzene
 Concen: 114.630 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010979.D
 Acq: 18 Jul 2019 23:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.5	55.5
148	63.3	32.0	96.0





#85

n-Butylbenzene

Concen: 107.146 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX010979.D

Acq: 18 Jul 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1038890

Ion Ratio Lower Upper

91 100

92 52.4 0.0 103.6

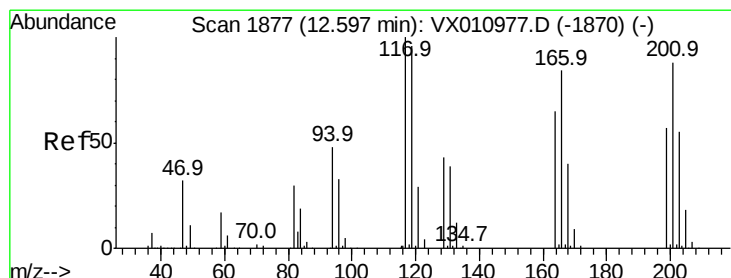
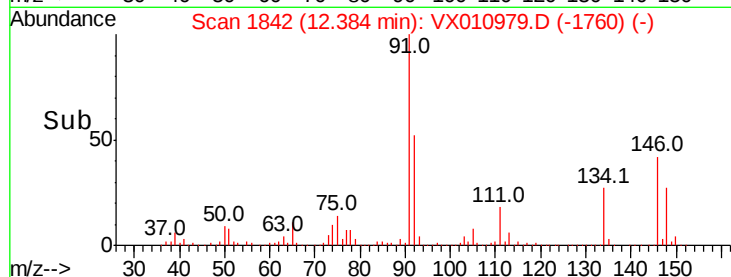
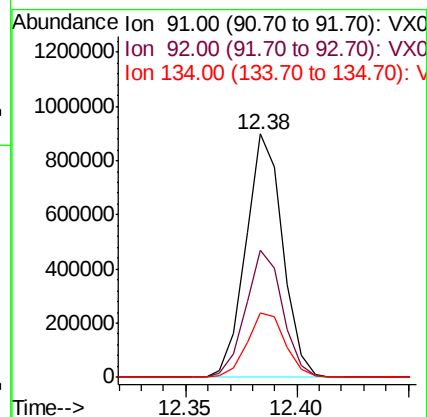
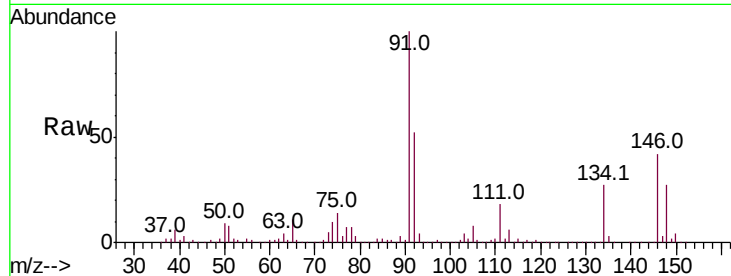
134 27.4 0.0 54.2

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#86

Hexachloroethane

Concen: 116.254 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX010979.D

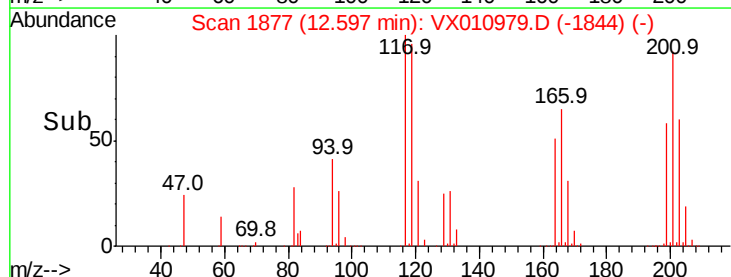
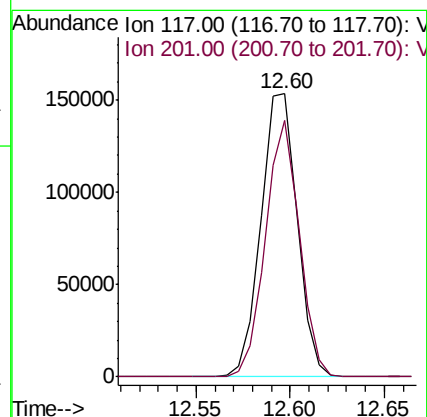
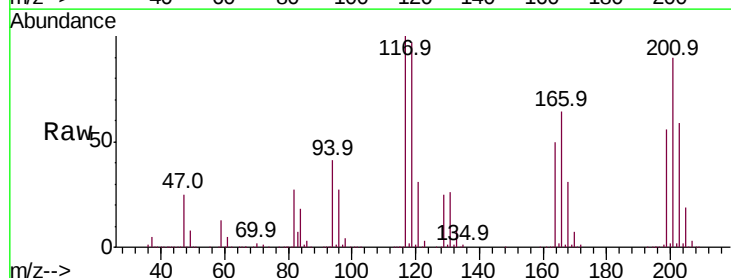
Acq: 18 Jul 2019 23:31

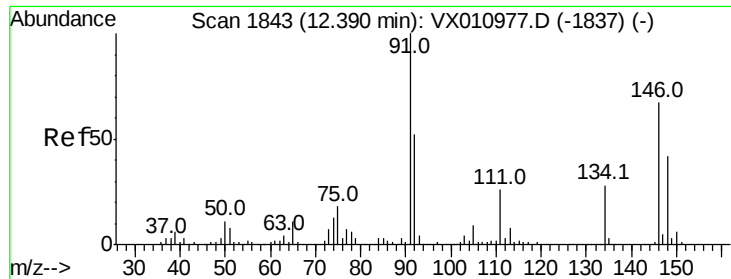
Tgt Ion: 117 Resp: 205474

Ion Ratio Lower Upper

117 100

201 84.4 42.1 126.3





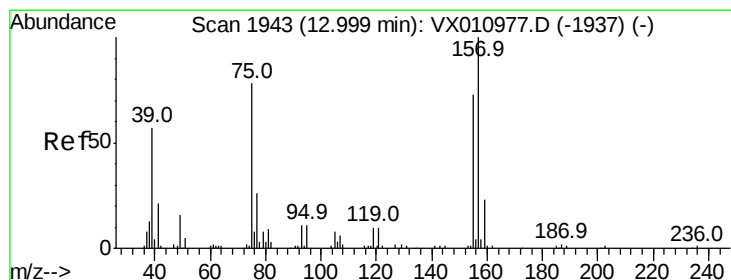
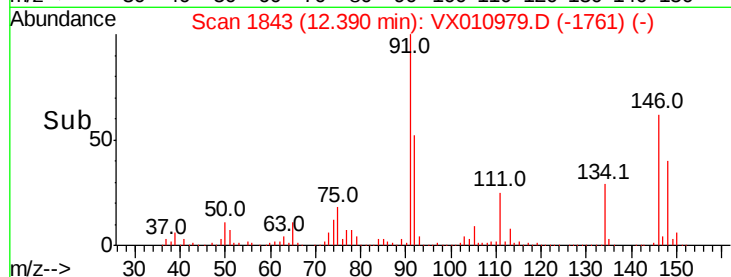
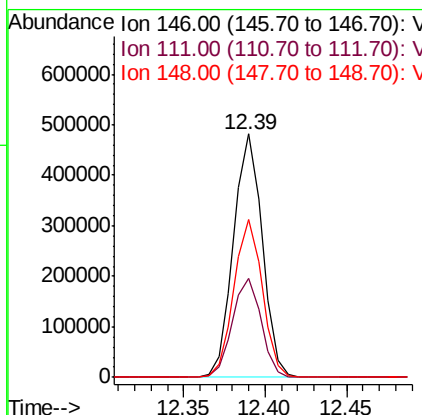
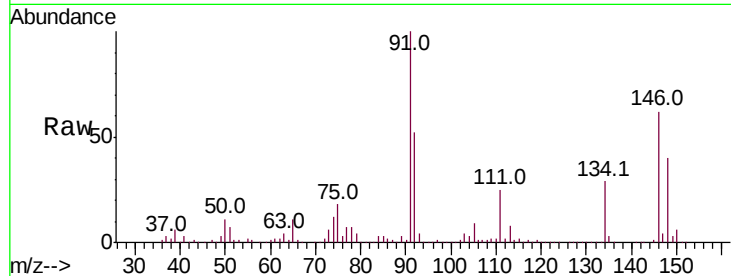
#87
 1,2-Dichlorobenzene
 Concen: 108.191 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010979.D
 Acq: 18 Jul 2019 23:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.5	58.5
148	64.3	31.5	94.5

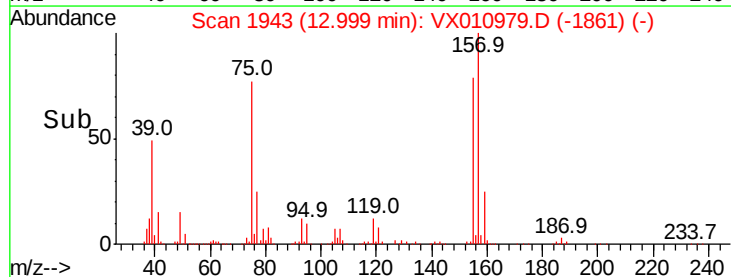
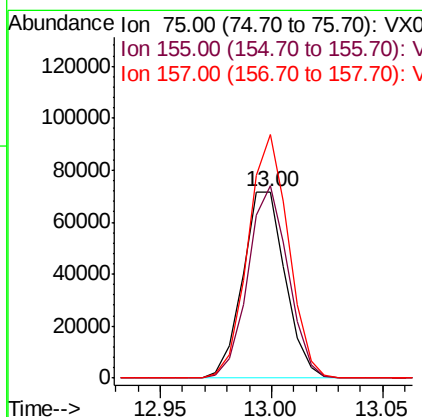
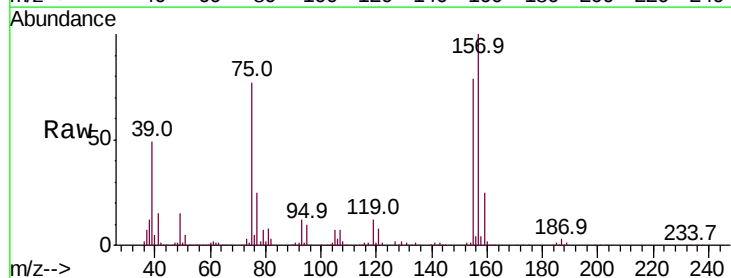
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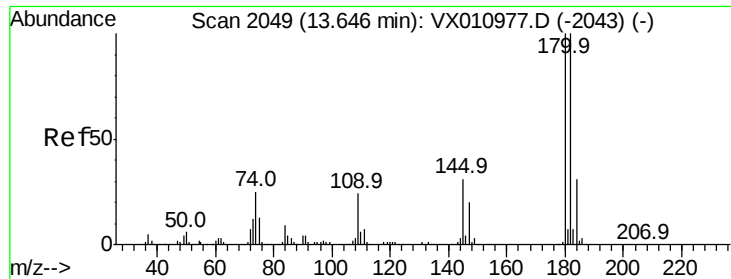
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 96.508 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010979.D
 Acq: 18 Jul 2019 23:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.4	76.6	115.0
157	124.4	101.0	151.4





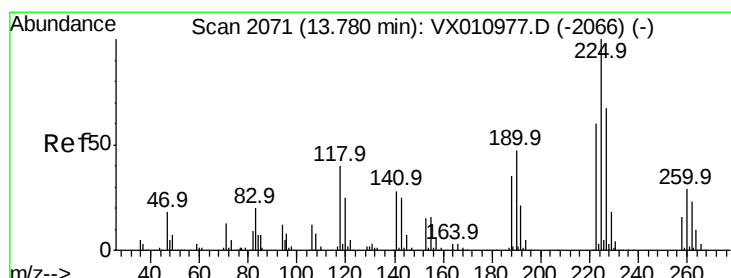
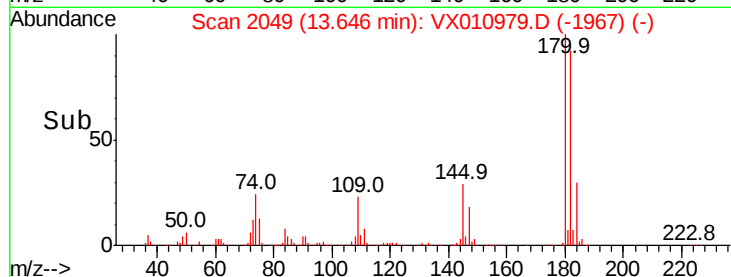
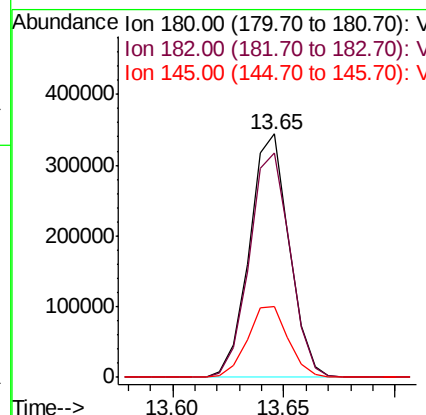
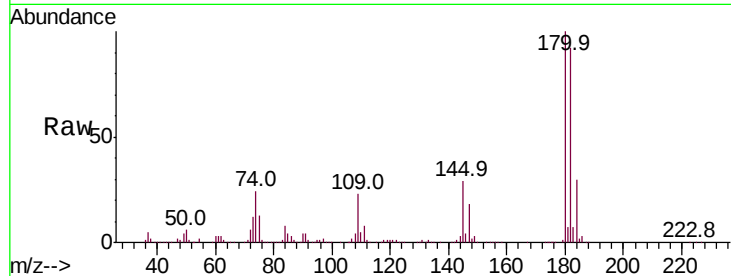
#89
1,2,4-Trichlorobenzene
Concen: 111.074 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	428390		
182	94.5	77.6	116.4	
145	29.9	23.8	35.6	

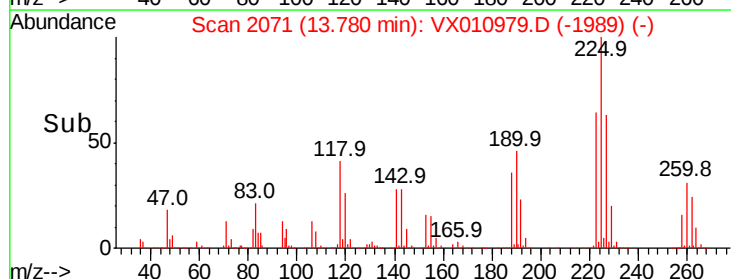
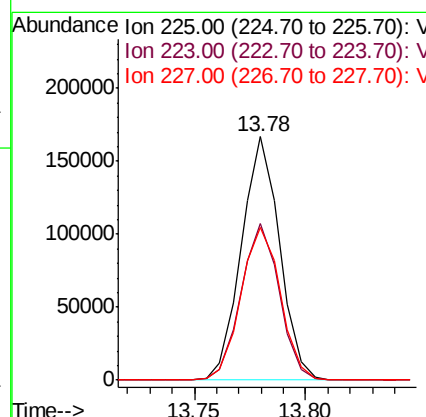
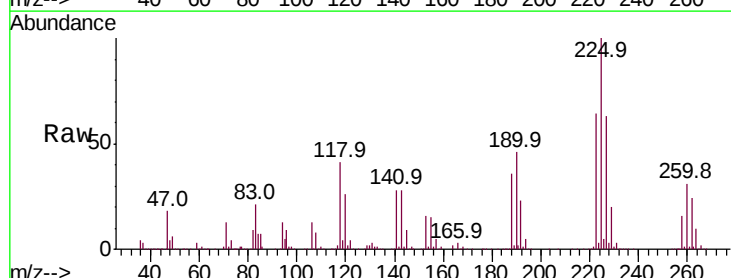
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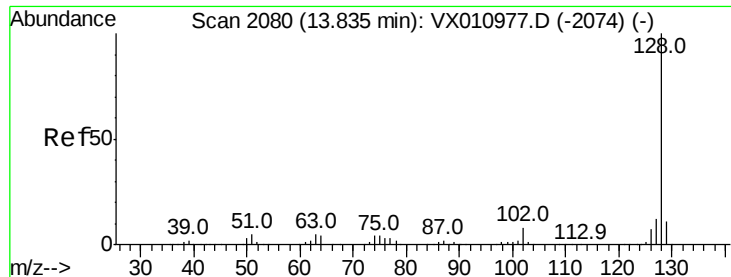
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#90
Hexachlorobutadiene
Concen: 104.049 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	199365		
223	64.6	0.0	121.4	
227	65.0	0.0	126.6	





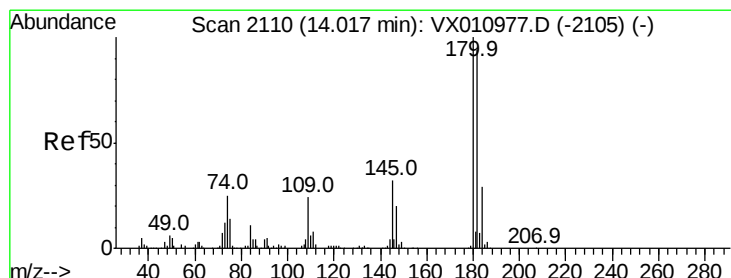
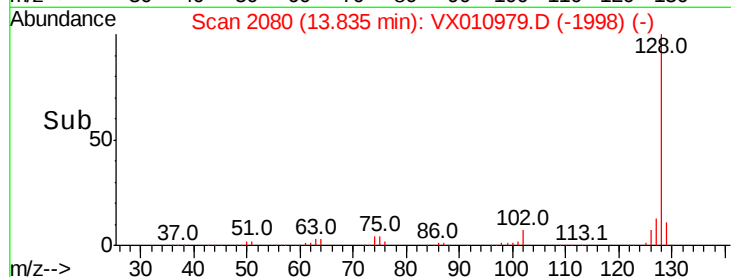
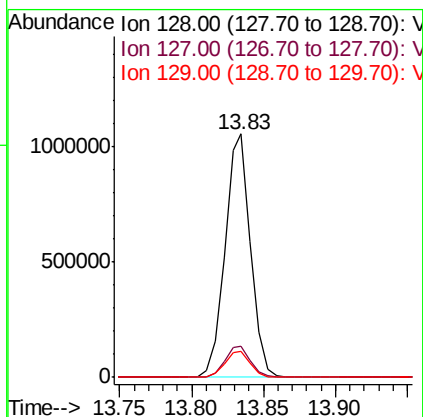
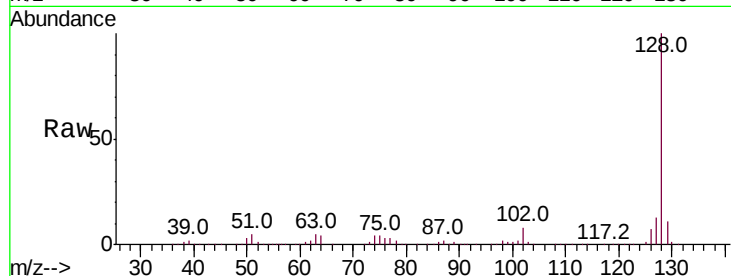
#91
Naphthalene
Concen: 105.023 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	11.0	8.5	12.7

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 108.740 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX010979.D
Acq: 18 Jul 2019 23:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	0.0	190.2
145	31.8	0.0	63.8

