

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071919\
 Data File : VX010978.D
 Acq On : 18 Jul 2019 23:08
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 7/19/2019 9:56:31 AM

Quant Time: Jul 19 03:27:26 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	40488	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	224086	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	205325	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	80571	24.93	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	83.10%
60) 4-Bromofluorobenzene	11.13	95	101951	29.68	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.93%
63) Toluene-d8	8.71	98	270642	28.25	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	94.17%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	141032	61.749	ug/l 97
3) Chloromethane	1.32	50	119683	42.510	ug/l 97
4) Vinyl Chloride	1.41	62	123962	44.022	ug/l 98
5) Bromomethane	1.64	94	64229	35.346	ug/l 100
6) Chloroethane	1.72	64	73287	40.591	ug/l 91
7) Trichlorofluoromethane	1.93	101	204941	55.519	ug/l 99
8) Diethyl Ether	2.19	74	66454	41.490	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	113000	50.838	ug/l 99
10) 1,1-Dichloroethene	2.37	96	112472	50.337	ug/l 97
11) Methyl Iodide	2.51	142	159756	63.349	ug/l 98
12) Methyl Acetate	2.78	43	161454	40.158	ug/l 95
13) Acrolein	2.29	56	91139	166.944	ug/l 100
14) Acrylonitrile	3.14	53	314249	183.760	ug/l 100
15) Acetone	2.45	58	86596	178.085	ug/l 92
16) Carbon Disulfide	2.57	76	296153	49.831	ug/l 99
17) Allyl chloride	2.73	41	165131	33.559	ug/l 98
18) Methylene Chloride	2.85	84	125886	47.329	ug/l 97
19) trans-1,2-Dichloroethene	3.17	96	118334	49.662	ug/l 99
20) Diisopropyl ether	3.85	45	344458	35.208	ug/l 97
21) 1,1-Dichloroethane	3.70	63	196921	40.438	ug/l 99
22) cis-1,2-Dichloroethene	4.59	96	136863	48.323	ug/l 99
23) tert-Butyl Alcohol	3.04	59	148463	198.190	ug/l # 100
24) Methyl tert-Butyl Ether	3.20	73	359766	42.660	ug/l 100
25) Chloroform	5.21	83	215018	47.052	ug/l 100
26) Cyclohexane	5.58	56	180015	39.890	ug/l # 97
29) 1,1-Dichloropropene	5.80	75	155994	47.848	ug/l 99
30) 2-Butanone	4.67	43	426627	177.525	ug/l 100
31) 2,2-Dichloropropane	4.58	77	138771	40.372	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	191961	53.222	ug/l 98
33) Carbon Tetrachloride	5.79	117	169595	56.262	ug/l 97
34) Benzene	6.14	78	473673	47.406	ug/l 97
35) Methacrylonitrile	5.04	41	89927	36.013	ug/l 99
36) 1,2-Dichloroethane	6.19	62	168434	46.782	ug/l 99
37) Trichloroethene	7.21	130	138834	55.445	ug/l 99
38) Methylcyclohexane	7.46	83	201867	49.849	ug/l 99
39) 1,2-Dichloropropane	7.51	63	119142	42.796	ug/l 99
40) Dibromomethane	7.66	93	86360	52.197	ug/l 99

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 QLast Update : Fri Jul 19 03:13:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	160270	48.773	ug/l	100
42) Vinyl Acetate	3.81	43	1409658	178.592	ug/l	99
43) Ethyl Acetate	4.83	43	164884	37.984	ug/l	99
44) Isopropyl Acetate	6.45	43	268221	37.705	ug/l	100
45) 1,4-Dioxane	7.74	88	69376	940.031	ug/l	97
46) Methyl methacrylate	7.77	41	130619	37.066	ug/l	97
47) n-amyl Acetate	10.90	43	251352	39.275	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	172669	45.812	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	186371	44.930	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	126009	50.167	ug/l	97
51) Ethyl methacrylate	9.18	69	198385	44.280	ug/l	97
52) 1,3-Dichloropropane	9.37	76	205195	46.872	ug/l	99
53) Dibromochloromethane	9.58	129	141638	56.019	ug/l	99
54) 1,2-Dibromoethane	9.67	107	139326	53.522	ug/l	97
55) 2-Chloroethyl vinyl ether	8.31	63	417309	182.242	ug/l	99
56) Bromoform	10.85	173	107147	55.663	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	868190	183.277	ug/l	99
59) 2-Hexanone	9.49	43	678053	183.257	ug/l	100
61) Tetrachloroethene	9.34	164	135590	57.305	ug/l	97
62) Toluene	8.79	91	551327	50.342	ug/l	100
64) Chlorobenzene	10.13	112	343734	51.420	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.22	131	129639	53.140	ug/l	99
66) Ethyl Benzene	10.25	91	614546	50.274	ug/l	100
67) m/p-Xylenes	10.36	106	469644	103.791	ug/l	95
68) o-Xylene	10.69	106	228294	51.399	ug/l	97
69) Styrene	10.71	104	394076	51.137	ug/l	99
70) Isopropylbenzene	11.02	105	622189	52.452	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	203171	47.717	ug/l	100
72) 1,2,3-Trichloropropane	11.29	75	170681m	47.099	ug/l	
73) Bromobenzene	11.26	156	164427	55.010	ug/l	98
74) n-propylbenzene	11.36	91	701353	51.281	ug/l	100
75) 2-Chlorotoluene	11.42	91	409400	50.039	ug/l	100
76) 1,3,5-Trimethylbenzene	11.51	105	528973	52.521	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	59081	41.827	ug/l	92
78) 4-Chlorotoluene	11.51	91	478036	51.285	ug/l	100
79) tert-butylbenzene	11.77	119	510956	52.591	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	530004	52.449	ug/l	100
81) sec-Butylbenzene	11.94	105	605777	52.415	ug/l	100
82) p-Isopropyltoluene	12.06	119	562539	53.304	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	298524	55.859	ug/l	100
84) 1,4-Dichlorobenzene	12.10	146	295567	55.326	ug/l	100
85) n-Butylbenzene	12.38	91	486788	50.989	ug/l	99
86) Hexachloroethane	12.60	117	91085	52.339	ug/l	98
87) 1,2-Dichlorobenzene	12.39	146	291284	54.143	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	44593	45.756	ug/l	98
89) 1,2,4-Trichlorobenzene	13.65	180	201306	53.010	ug/l	99
90) Hexachlorobutadiene	13.78	225	98042	51.967	ug/l	97
91) Naphthalene	13.83	128	618086	50.452	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	200754	52.272	ug/l	99

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ALS Vial : 34 Sample Multiplier: 1

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MSVOA_X
ClientSampleId :
VSTDICC050

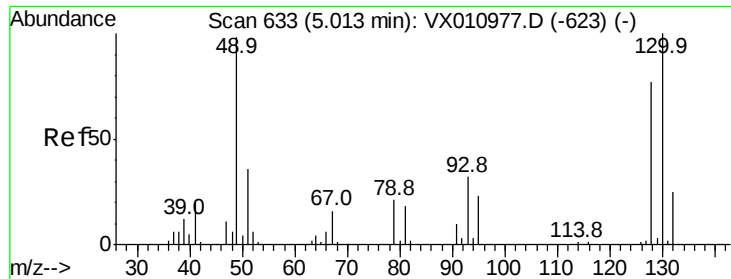
Manual Integrations
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QLast Update : Fri Jul 19 03:13:22 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range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



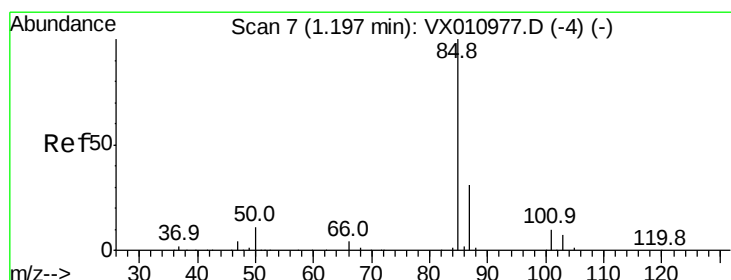
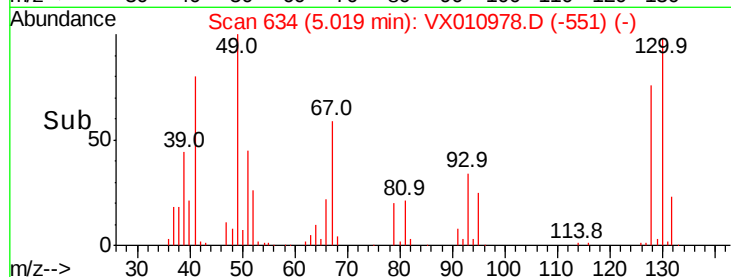
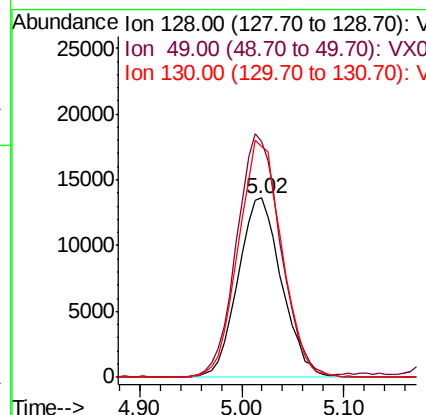
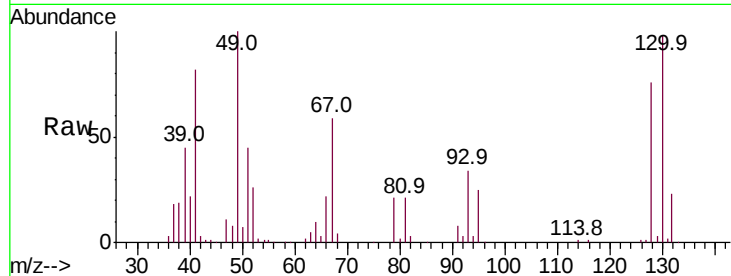
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
128	100		
49	137.2	0.0	343.5
130	131.8	0.0	324.7

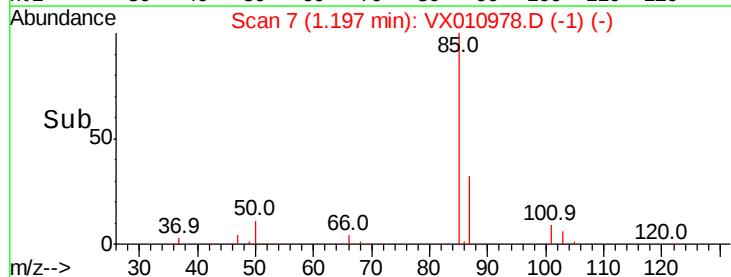
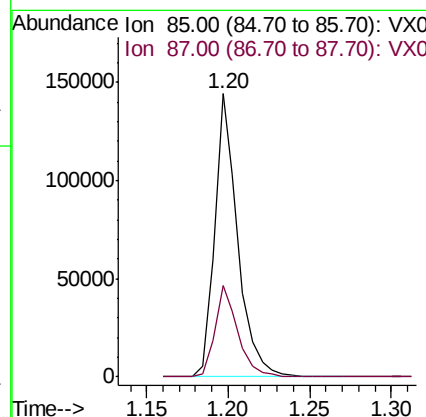
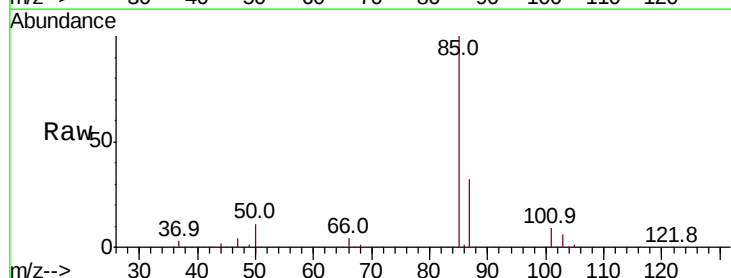
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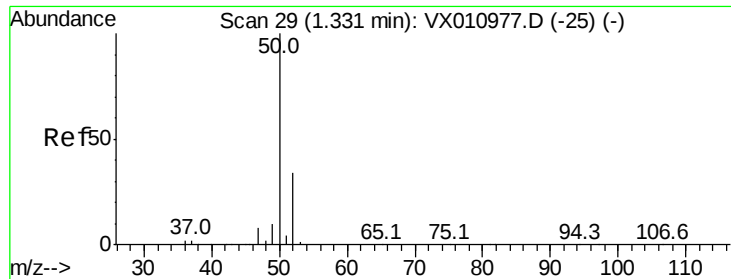
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#2
Dichlorodifluoromethane
Concen: 61.749 ug/l
RT: 1.20 min Scan# 7
Delta R.T. 0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.1	15.4	46.1





#3

Chloromethane

Concen: 42.510 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 50 Resp: 119683

Ion Ratio Lower Upper

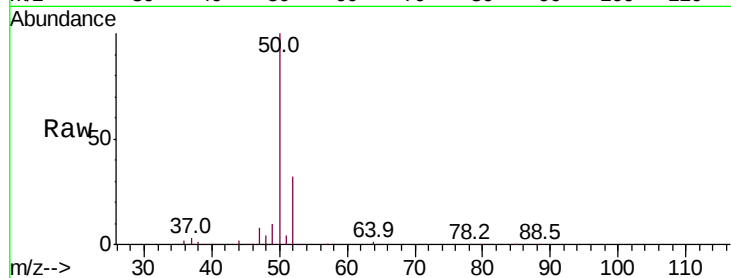
50 100

52 32.4 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

120000

100000

80000

60000

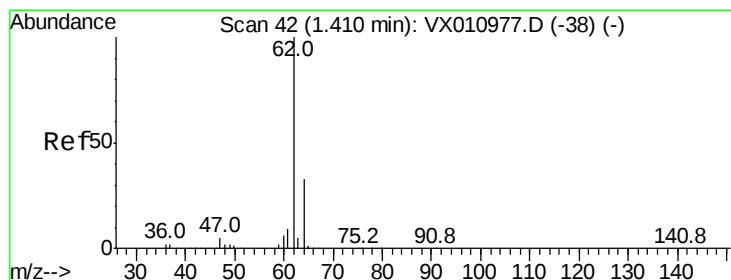
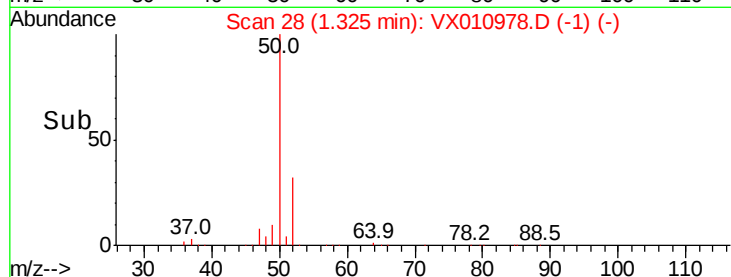
40000

20000

0

1.30 1.32 1.35

Time-->



#4

Vinyl Chloride

Concen: 44.022 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010978.D

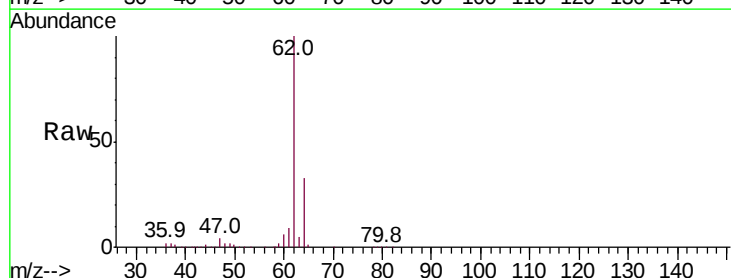
Acq: 18 Jul 2019 23:08

Tgt Ion: 62 Resp: 123962

Ion Ratio Lower Upper

62 100

64 32.4 26.8 40.2



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0

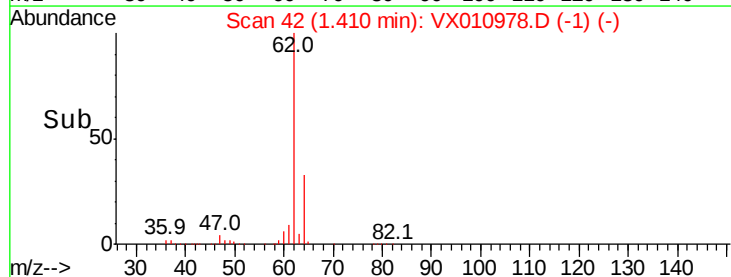
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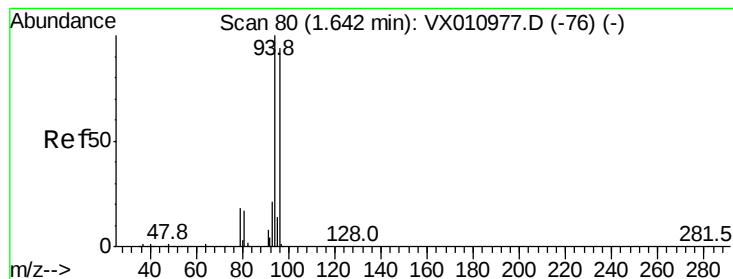
50000

0

1.35 1.40 1.45 1.50

Time-->





#5

Bromomethane

Concen: 35.346 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 94 Resp: 64229

Ion Ratio Lower Upper

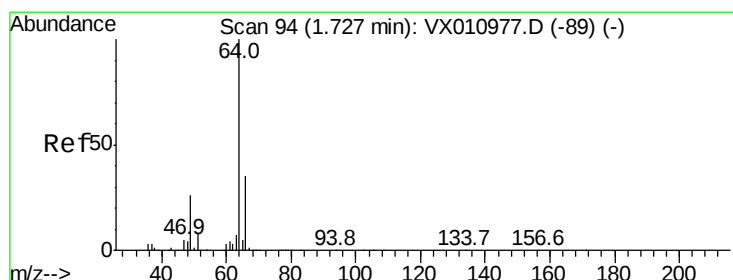
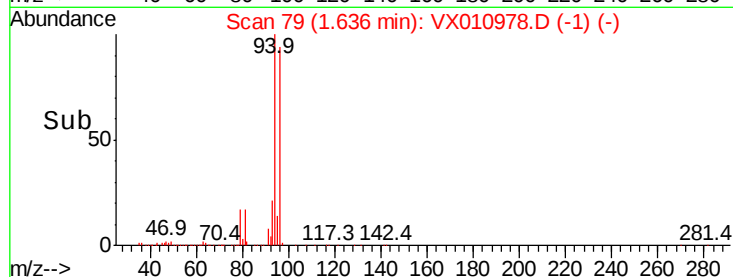
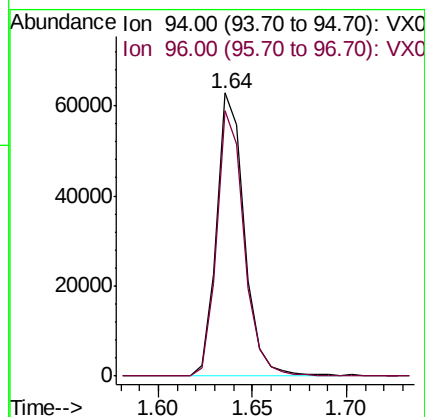
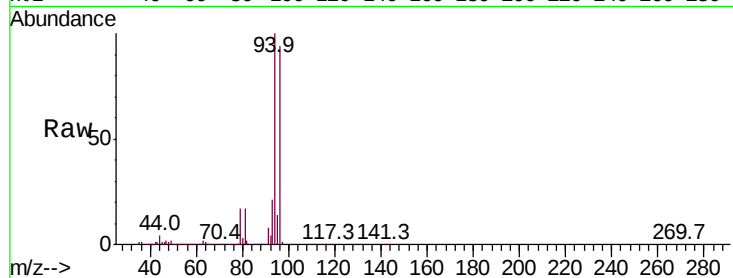
94 100

96 94.0 75.4 113.2

Manual Integrations
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#6

Chloroethane

Concen: 40.591 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.01 min

Lab File: VX010978.D

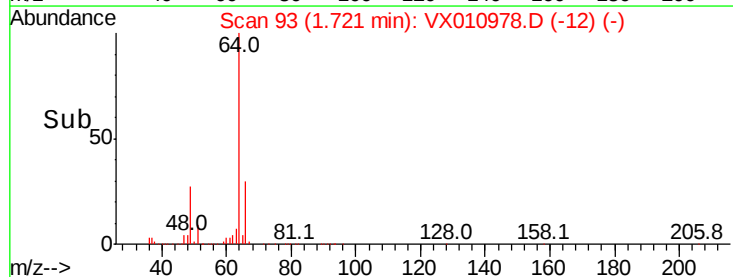
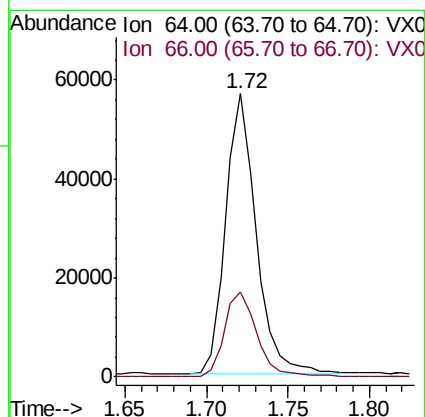
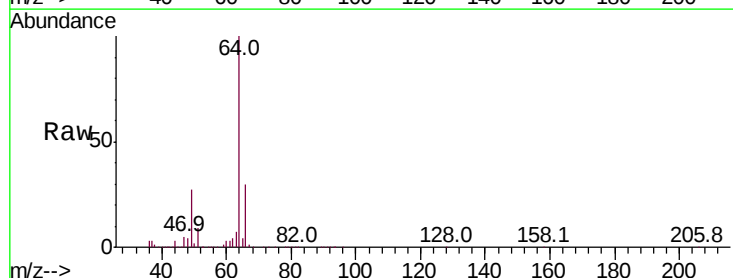
Acq: 18 Jul 2019 23:08

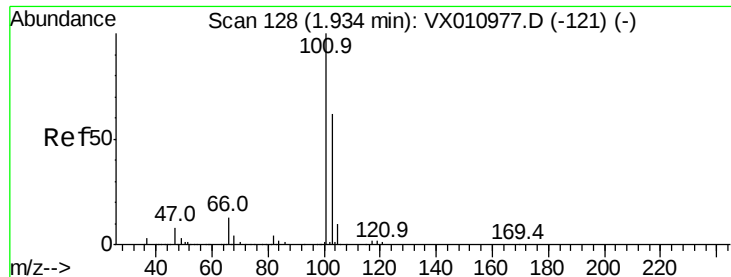
Tgt Ion: 64 Resp: 73287

Ion Ratio Lower Upper

64 100

66 30.0 28.1 42.1





#7

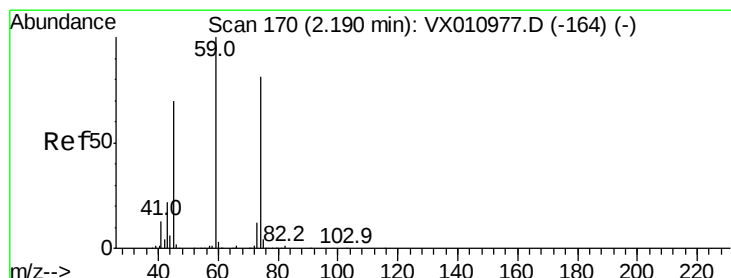
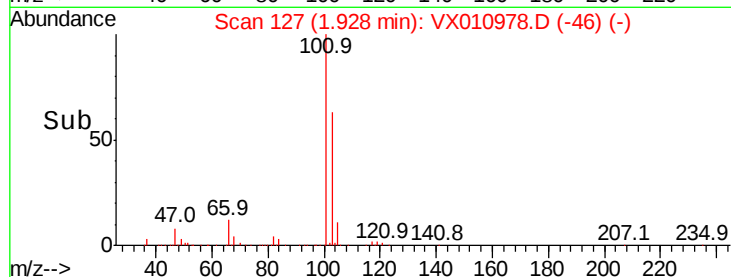
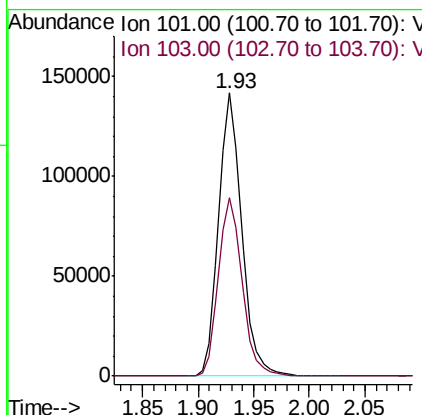
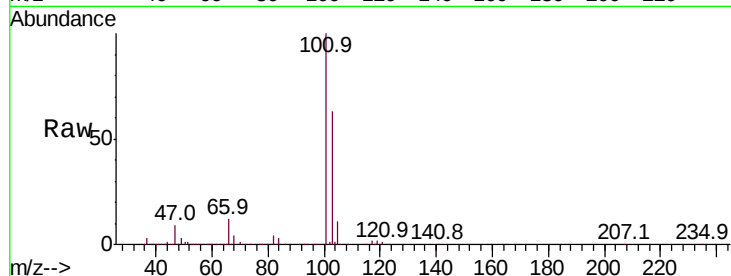
Trichlorofluoromethane
Concen: 55.519 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.01 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Instrument :
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ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	49.6	74.4

Manual Integrations
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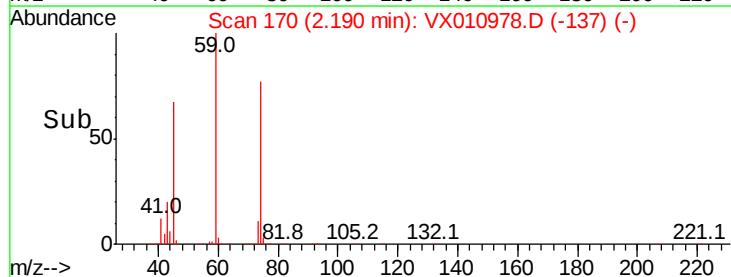
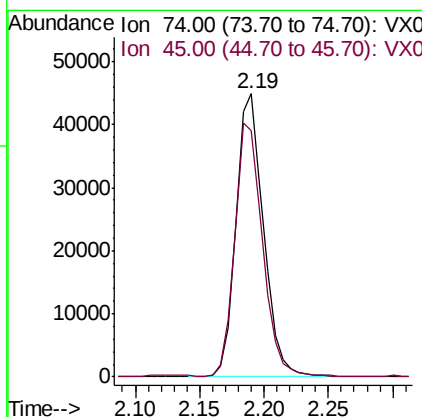
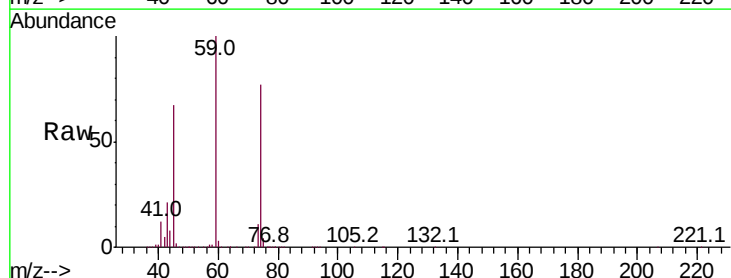
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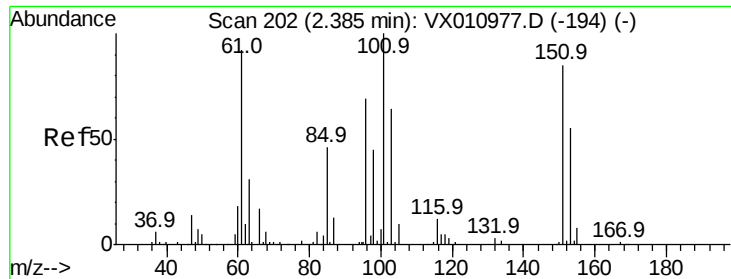


#8

Diethyl Ether
Concen: 41.490 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.8	18.3	164.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.838 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

Instrument :

MSVOA_X

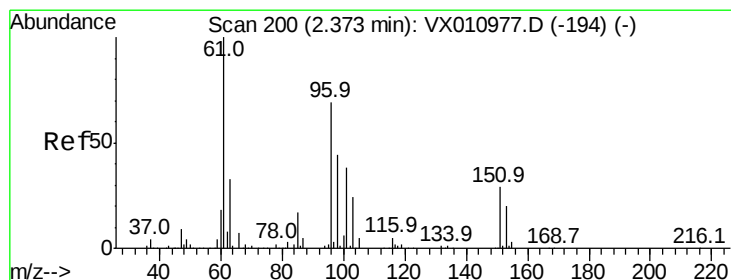
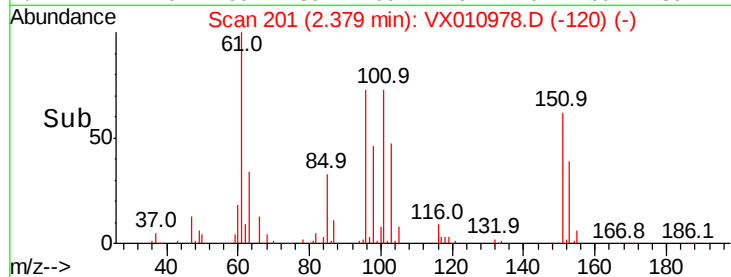
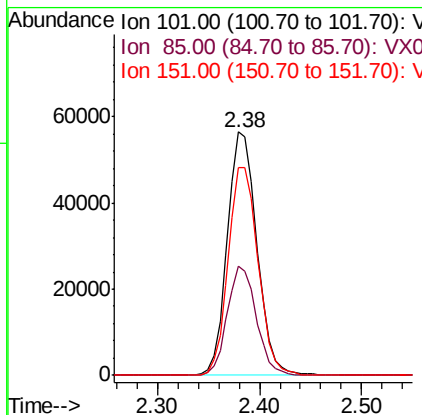
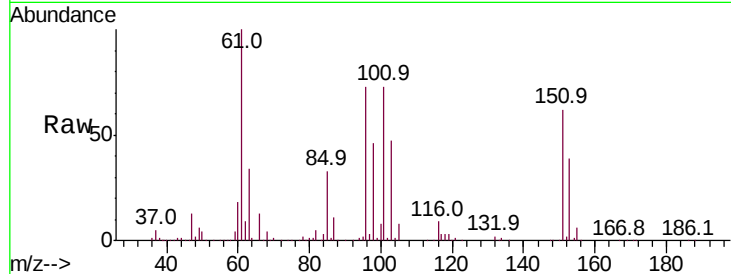
ClientSampleId :

VSTDIC050

Tot Ion:	101	Resp:	113000
Ion Ratio	Lower	Upper	
101	100		
85	44.0	0.0	89.8
151	86.5	0.0	172.2

Manual Integrations
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7/19/2019 9:56:31 AM



#10

1,1-Dichloroethene

Concen: 50.337 ug/l

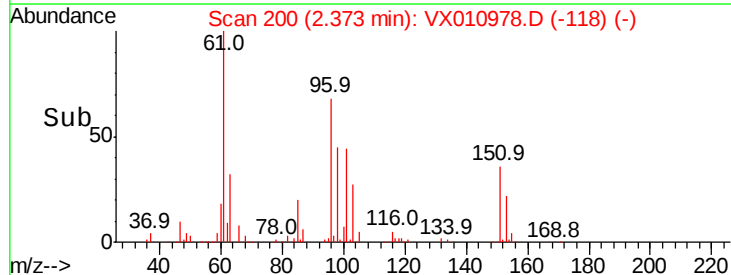
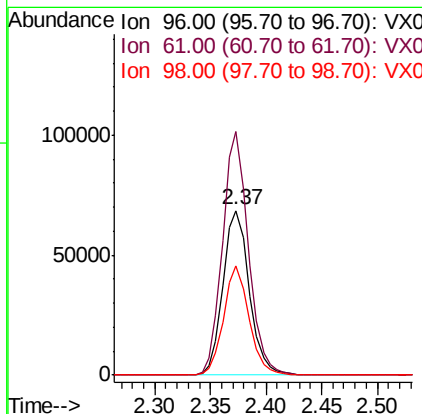
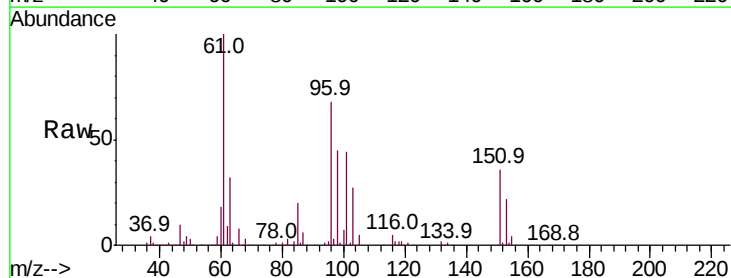
RT: 2.37 min Scan# 200

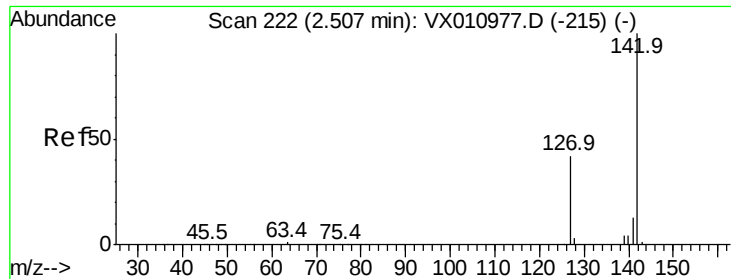
Delta R.T. 0.00 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

Tgt Ion:	96	Resp:	112472
Ion Ratio	Lower	Upper	
96	100		
61	147.8	115.9	173.9
98	66.4	50.6	75.8





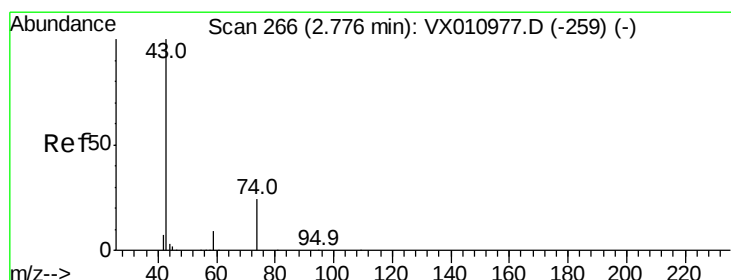
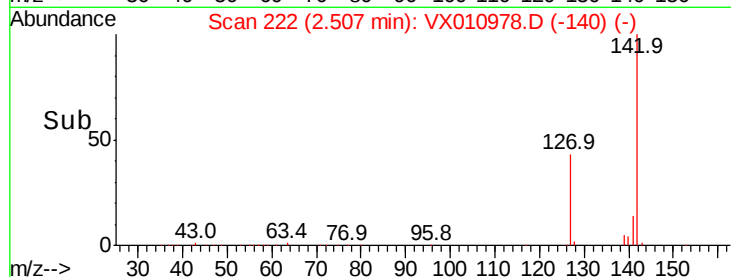
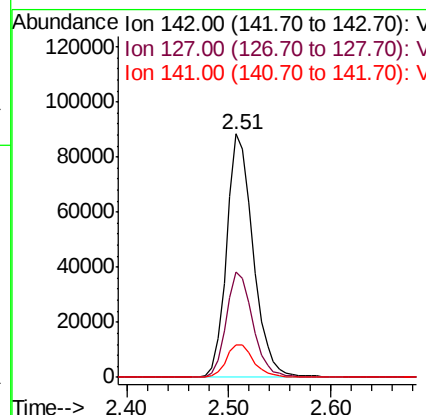
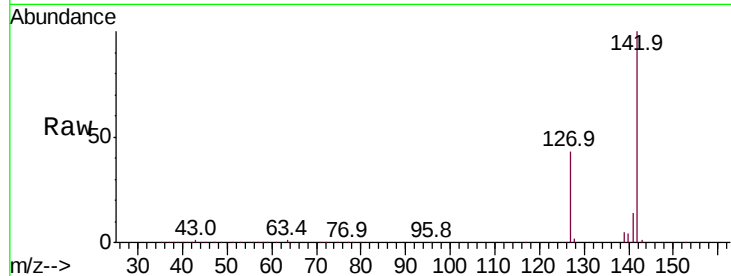
#11
Methyl Iodide
Concen: 63.349 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
142	100		
127	43.1	20.7	62.1
141	13.5	6.7	20.0

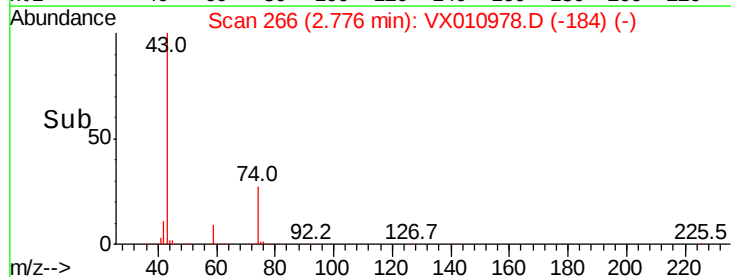
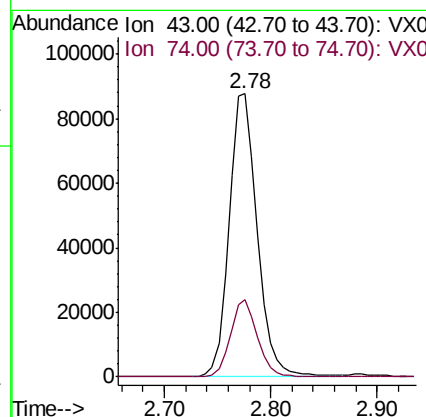
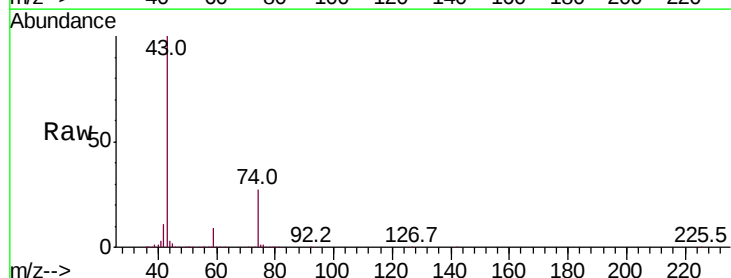
Manual Integrations
APPROVED

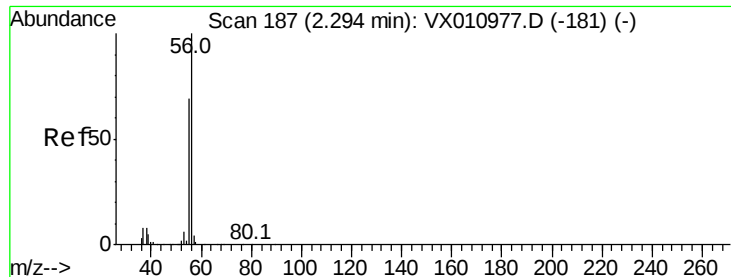
MMDadoda
7/19/2019 9:56:31 AM



#12
Methyl Acetate
Concen: 40.158 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.0	19.8	29.6





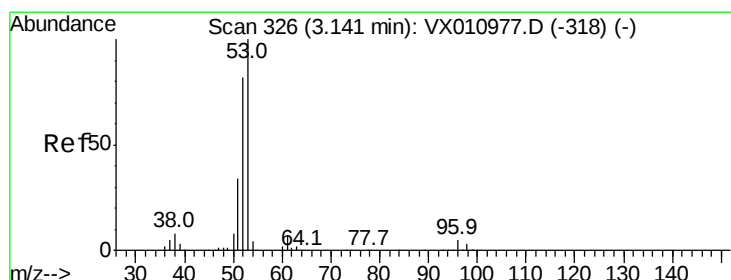
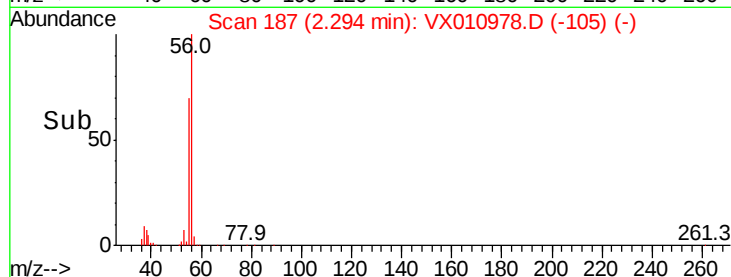
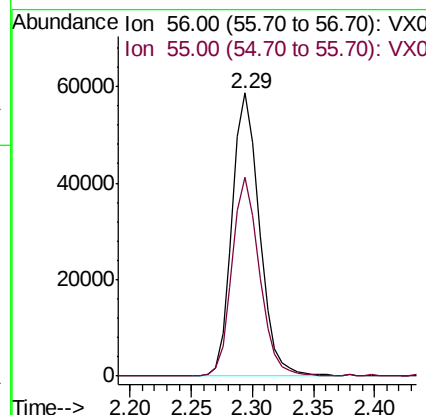
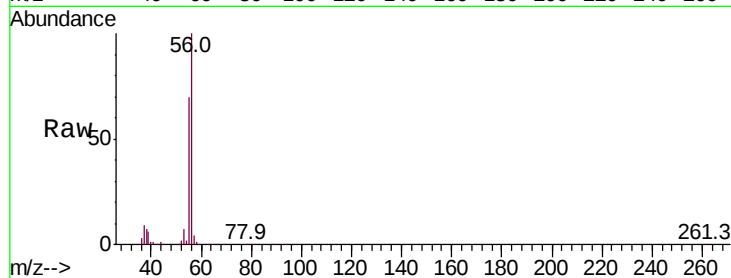
#13
Acrolein
Concen: 166.944 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion: 56 Resp: 91139
Ion Ratio Lower Upper
56 100
55 70.3 56.1 84.1

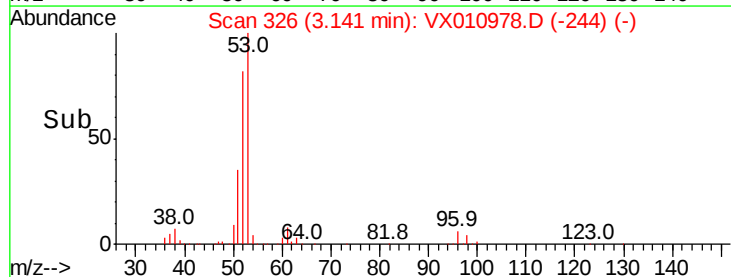
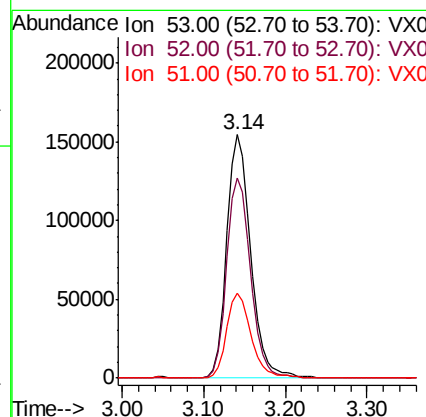
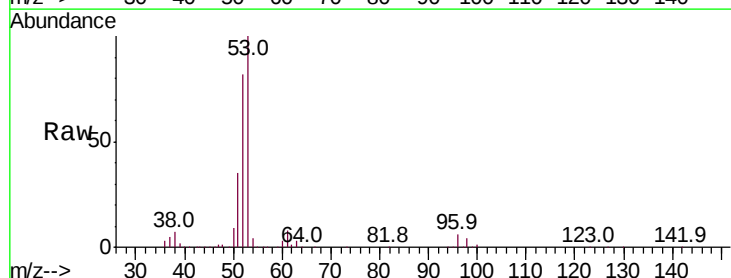
Manual Integrations
APPROVED

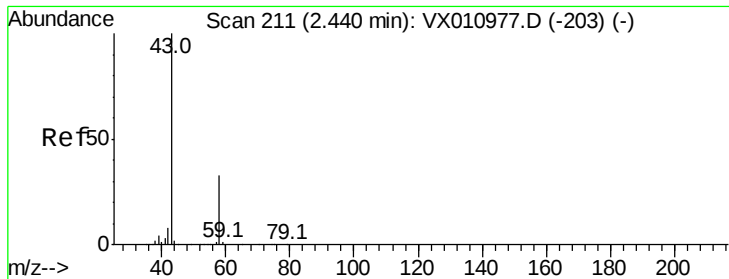
MMDadoda
7/19/2019 9:56:31 AM



#14
Acrylonitrile
Concen: 183.760 ug/l
RT: 3.14 min Scan# 326
Delta R.T. -0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Tgt Ion: 53 Resp: 314249
Ion Ratio Lower Upper
53 100
52 82.4 41.1 123.4
51 35.8 17.8 53.3





#15

Acetone

Concen: 178.085 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 58 Resp: 86596

Ion Ratio Lower Upper

58 100

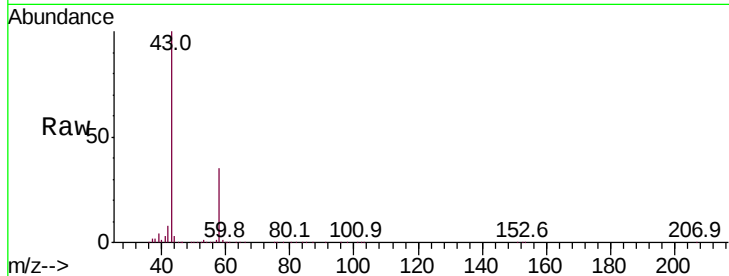
43 288.9 243.8 365.6

Manual Integrations

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Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

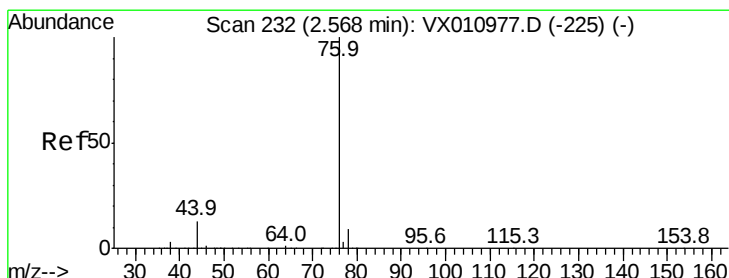
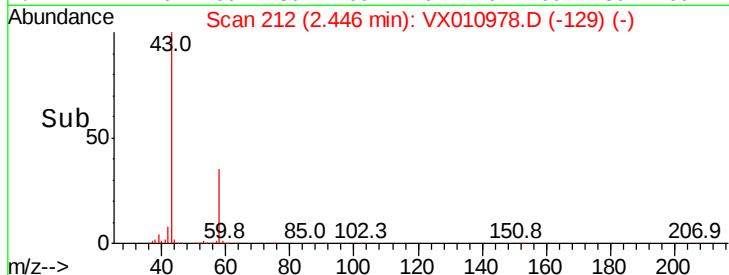
150000

100000

50000

2.45

Time--> 2.35 2.40 2.45 2.50 2.55



#16

Carbon Disulfide

Concen: 49.831 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX010978.D

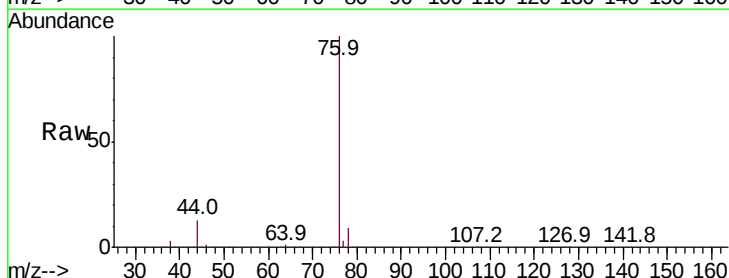
Acq: 18 Jul 2019 23:08

Tgt Ion: 76 Resp: 296153

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

200000

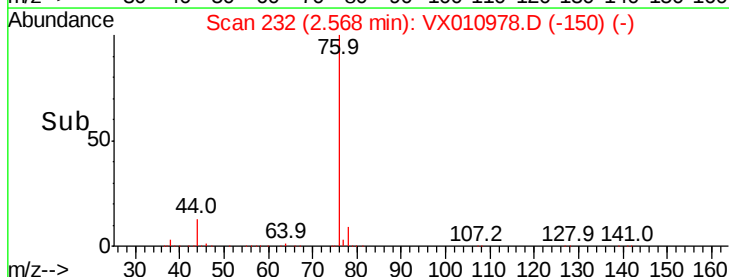
150000

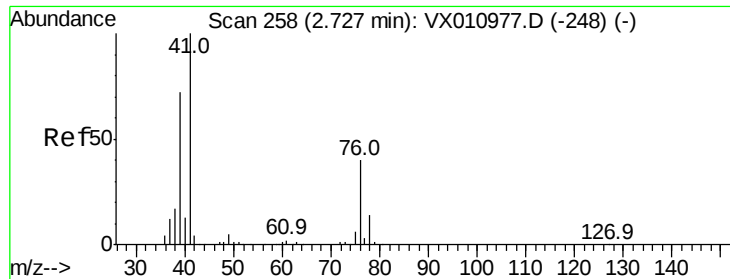
100000

50000

2.57

Time--> 2.50 2.55 2.60 2.65





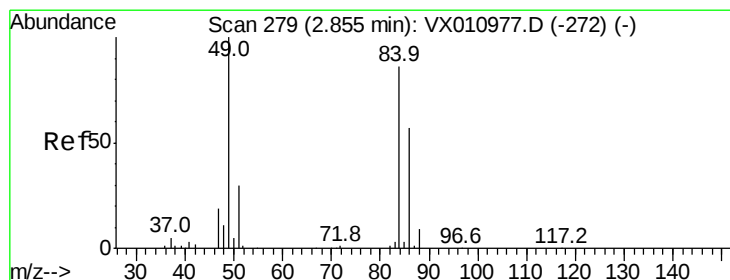
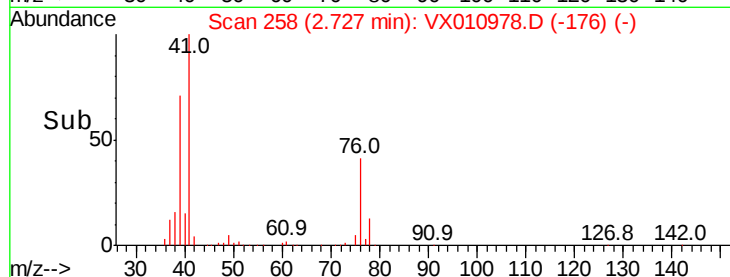
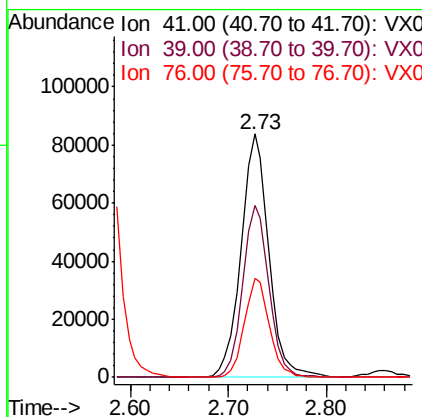
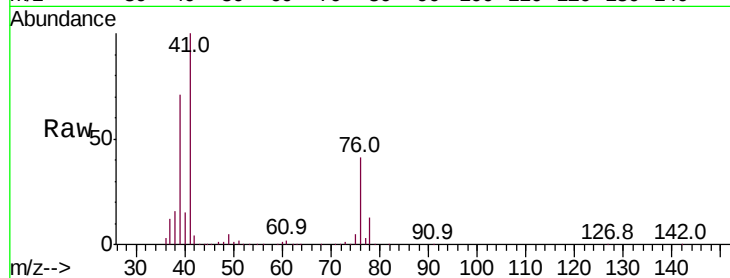
#17
Allvl chloride
Concen: 33.559 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	70.5	36.1	108.3
76	40.6	20.2	60.5

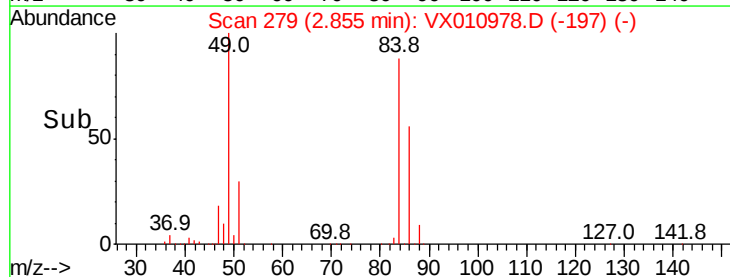
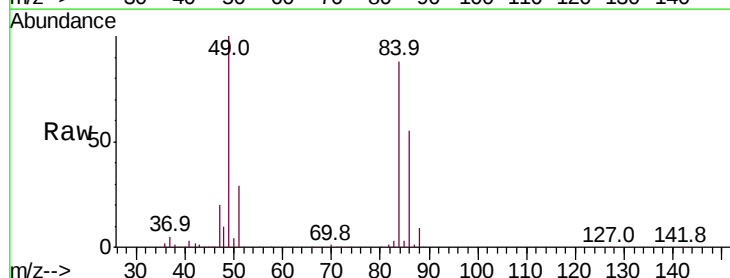
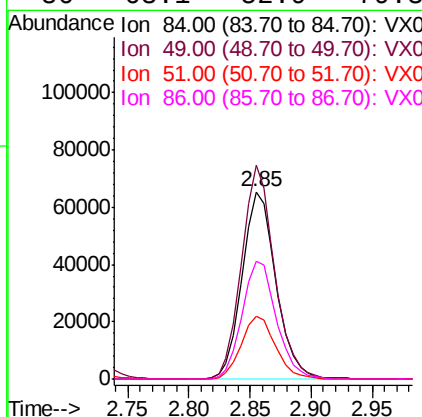
Manual Integrations
APPROVED

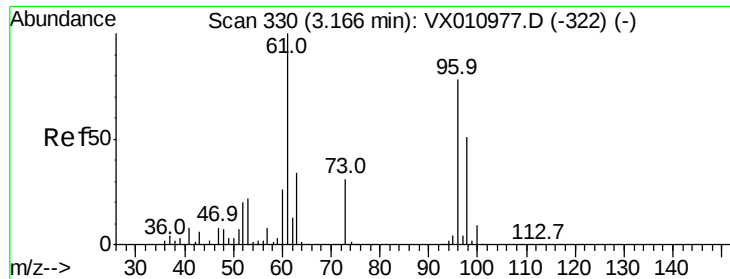
MMDadoda
7/19/2019 9:56:31 AM



#18
Methylene Chloride
Concen: 47.329 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Tgt Ion	Ratio	Lower	Upper
84	100		
49	114.1	93.2	139.8
51	33.6	28.6	42.8
86	63.1	52.9	79.3





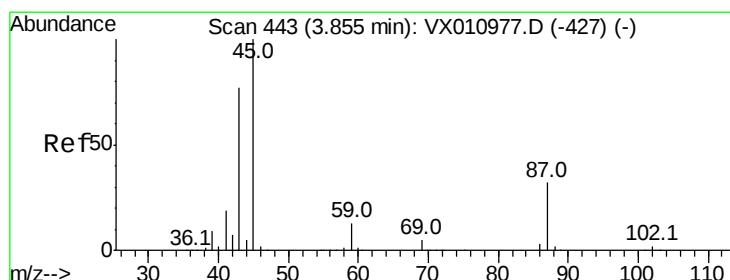
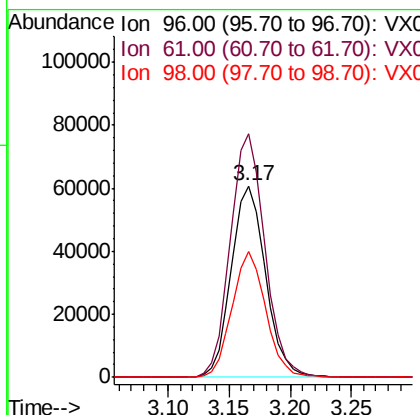
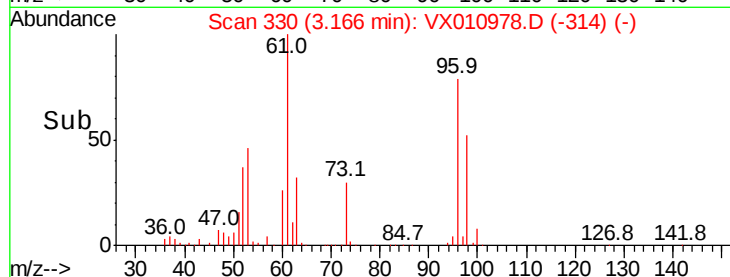
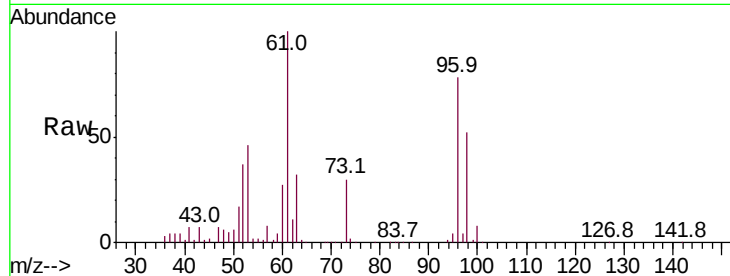
#19
trans-1,2-Dichloroethene
Concen: 49.662 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.3	102.2	153.4
98	65.8	52.2	78.2

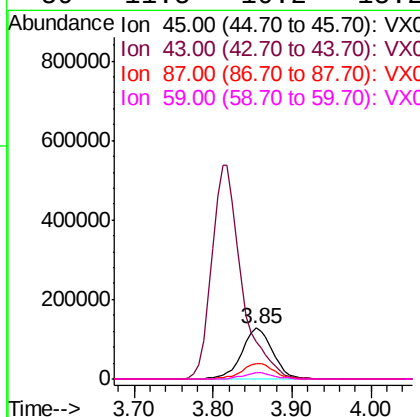
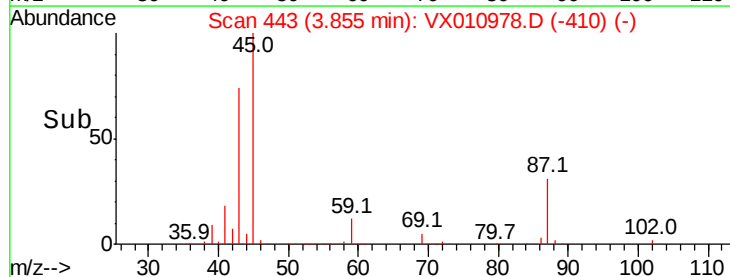
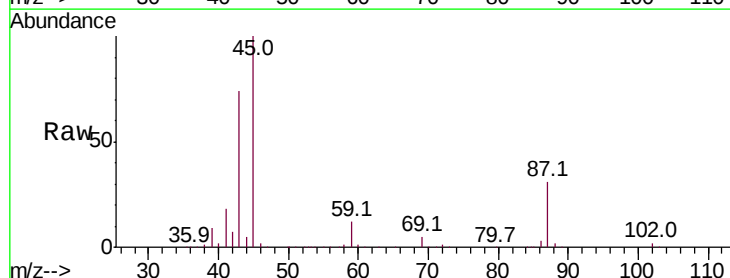
Manual Integrations
APPROVED

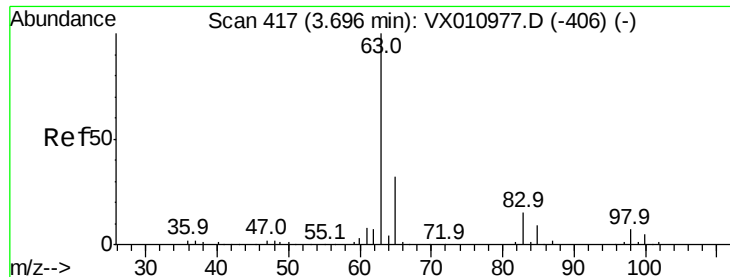
MMDadoda
7/19/2019 9:56:31 AM



#20
Diisopropyl ether
Concen: 35.208 ug/l
RT: 3.85 min Scan# 443
Delta R.T. -0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Tgt Ion	Ratio	Lower	Upper
45	100		
43	73.7	61.5	92.3
87	30.9	25.4	38.2
59	11.5	10.2	15.2





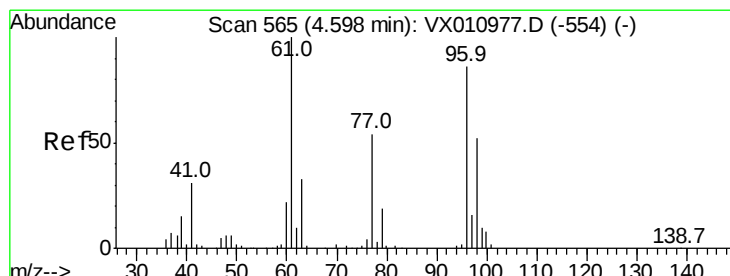
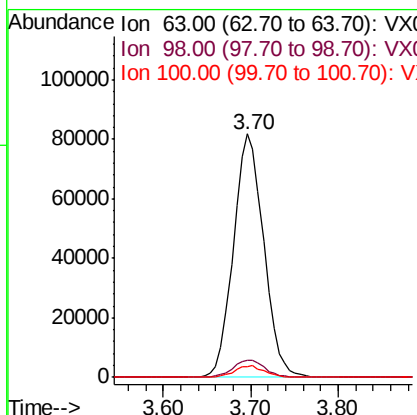
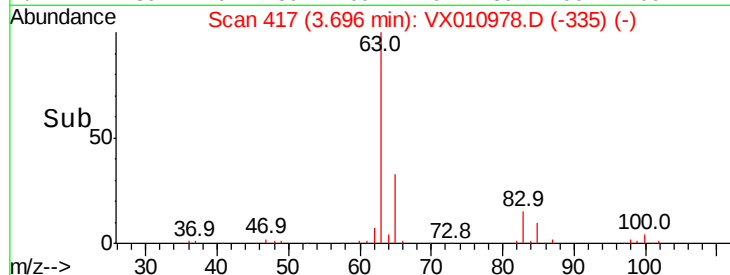
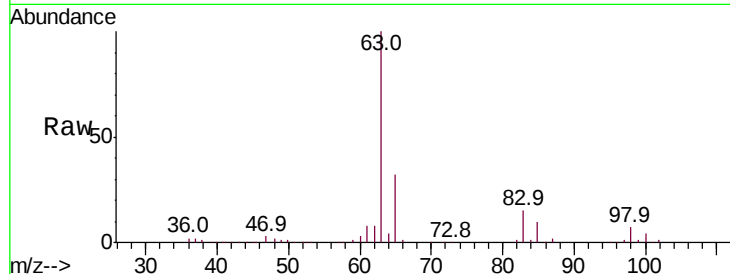
#21
 1,1-Dichloroethane
 Concen: 40.438 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. 0.00 min
 Lab File: VX010978.D
 Acq: 18 Jul 2019 23:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion:	63	Resp:	196921
Ion Ratio	Lower	Upper	
63	100		
98	7.2	3.8	11.2
100	4.5	2.5	7.4

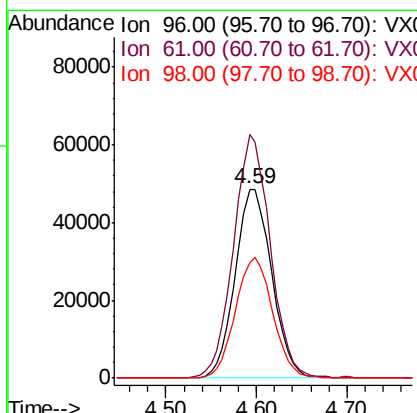
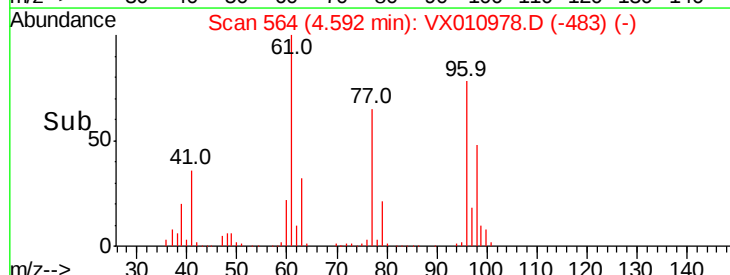
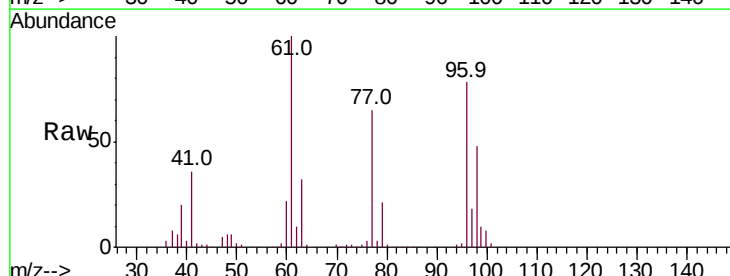
Manual Integrations
 APPROVED

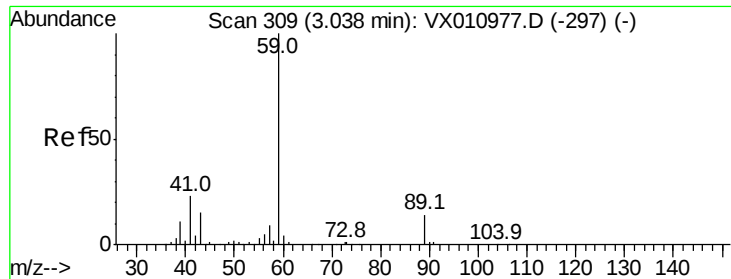
MMDadoda
 7/19/2019 9:56:31 AM



#22
 cis-1,2-Dichloroethene
 Concen: 48.323 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX010978.D
 Acq: 18 Jul 2019 23:08

Tgt Ion:	96	Resp:	136863
Ion Ratio	Lower	Upper	
96	100		
61	128.9	102.9	154.3
98	64.7	50.9	76.3





#23

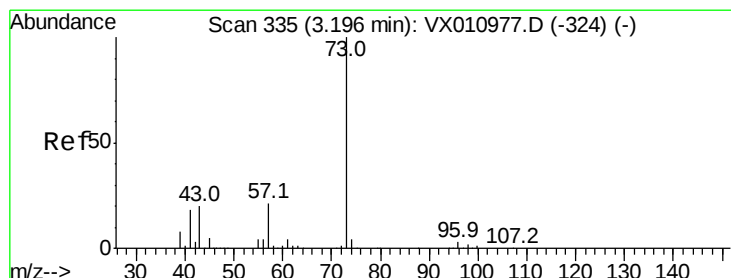
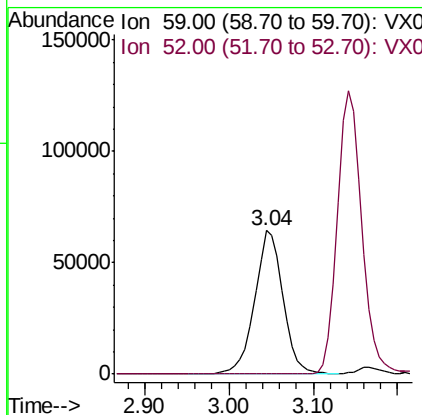
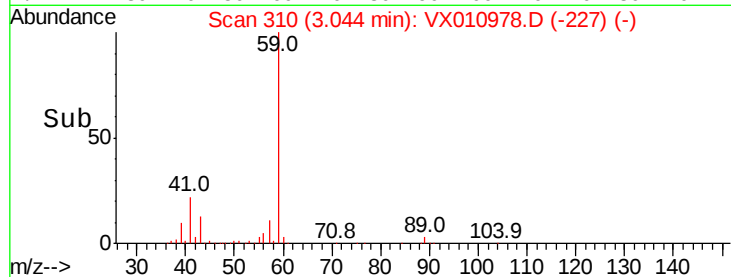
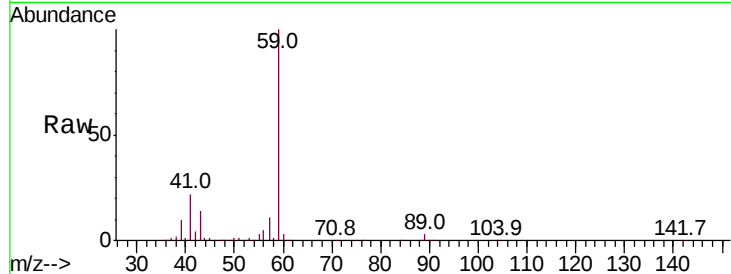
tert-Butyl Alcohol
Concen: 198.190 ug/l
RT: 3.04 min Scan# 310
Delta R.T. 0.01 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion: 59 Resp: 148463
Ion Ratio Lower Upper
59 100
52 0.4 0.2 0.4#

Manual Integrations
APPROVED

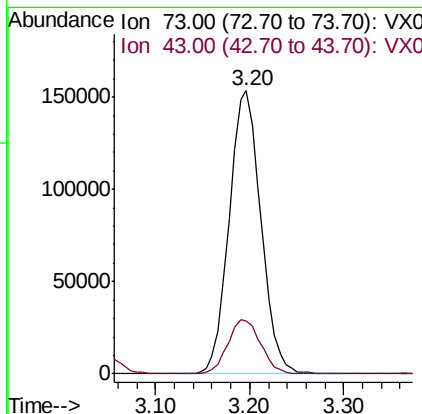
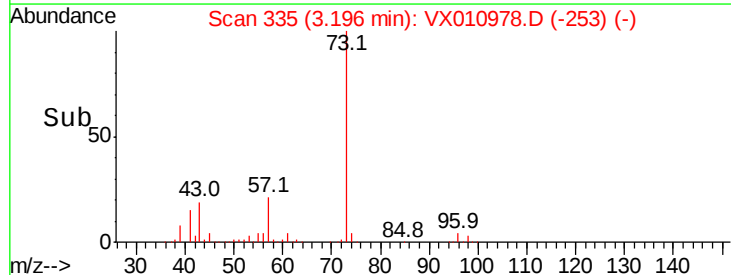
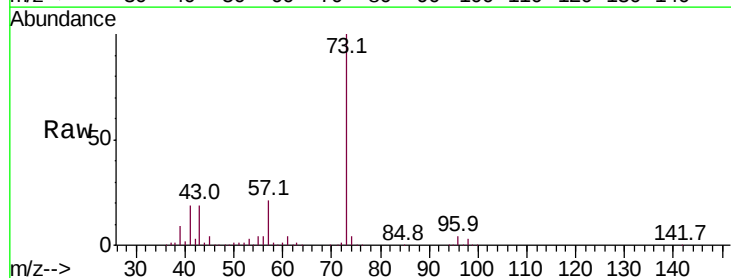
MMDadoda
7/19/2019 9:56:31 AM

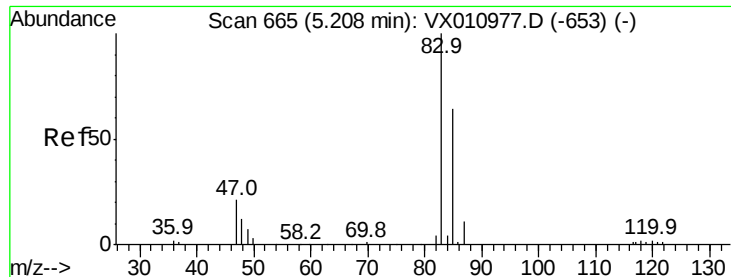


#24

Methyl tert-Butyl Ether
Concen: 42.660 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Tgt Ion: 73 Resp: 359766
Ion Ratio Lower Upper
73 100
43 19.7 15.8 23.6





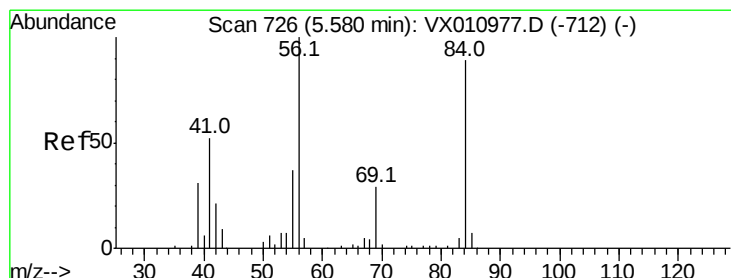
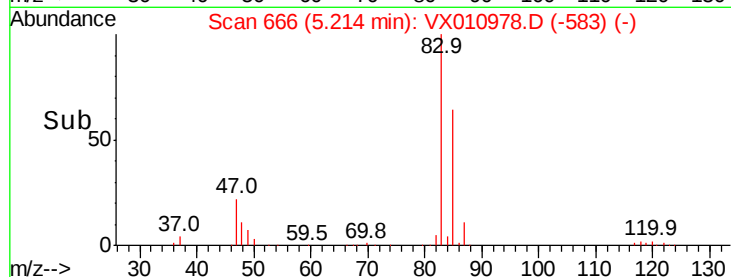
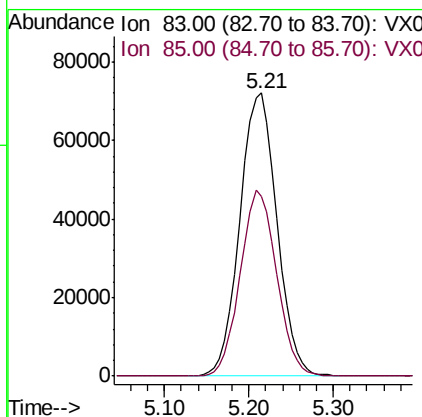
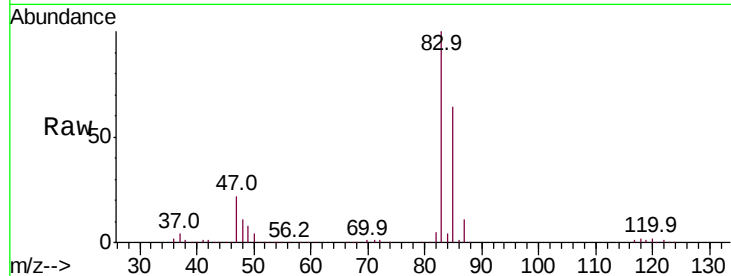
#25
Chloroform
Concen: 47.052 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion: 83 Resp: 215018
Ion Ratio Lower Upper
83 100
85 63.6 50.9 76.3

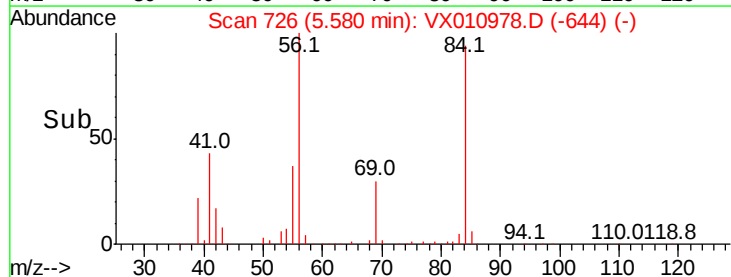
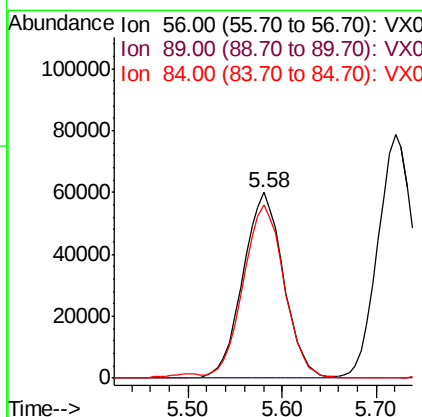
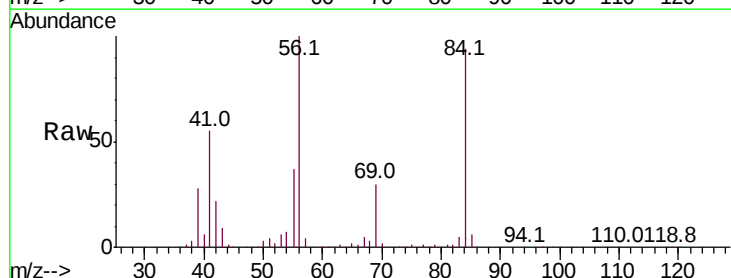
Manual Integrations
APPROVED

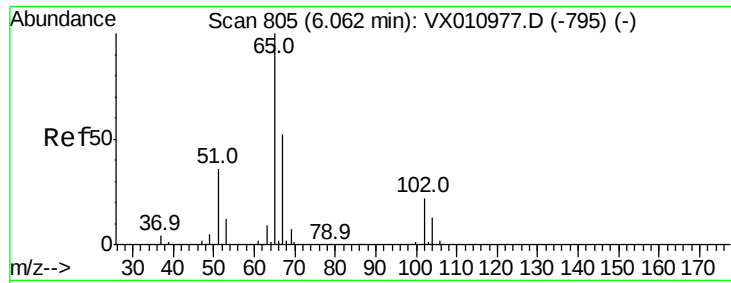
MMDadoda
7/19/2019 9:56:31 AM



#26
Cyclohexane
Concen: 39.890 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Tgt Ion: 56 Resp: 180015
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 94.4 73.0 109.4





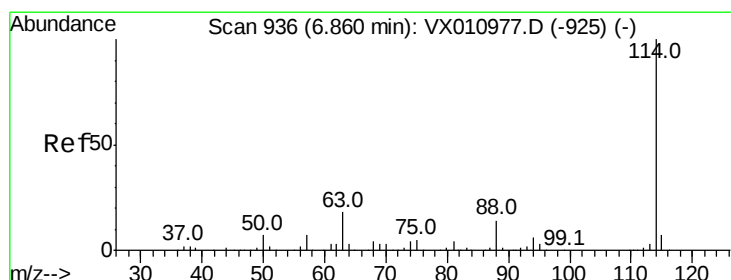
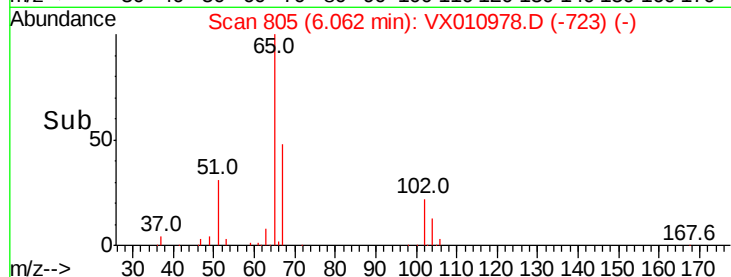
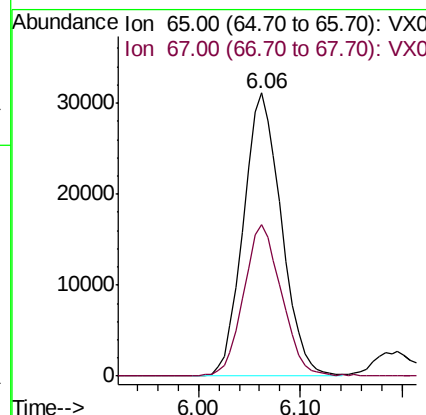
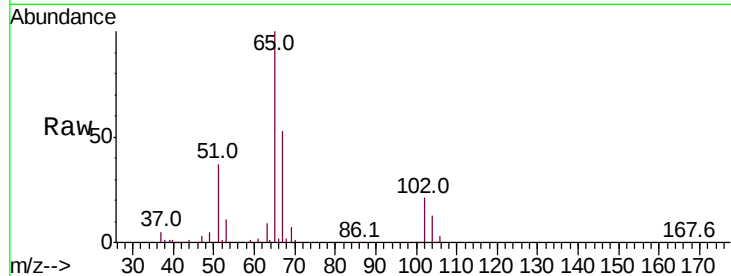
#27
 1,2-Dichloroethane-d4
 Concen: 24.931 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX010978.D
 Acq: 18 Jul 2019 23:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.3	41.7	62.5

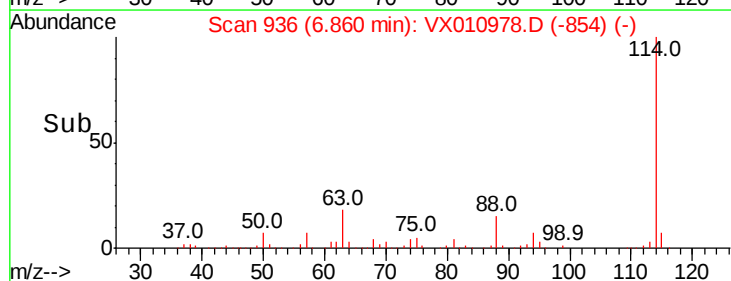
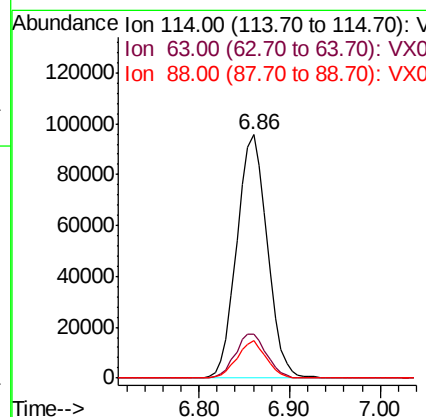
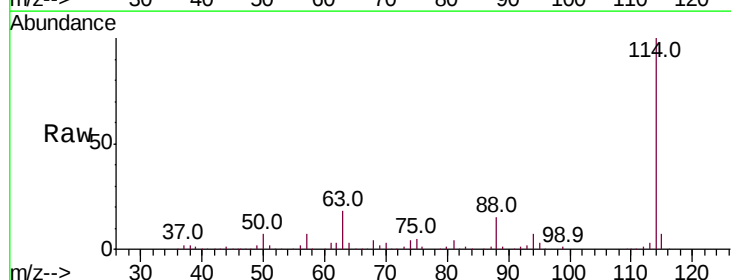
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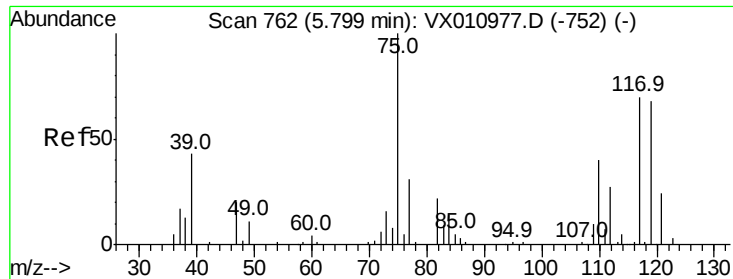
MMDadoda
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010978.D
 Acq: 18 Jul 2019 23:08

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.6	14.6	22.0
88	14.6	11.8	17.8





#29

1,1-Dichloropropene

Concen: 47.848 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

Instrument :

MSVOA_X

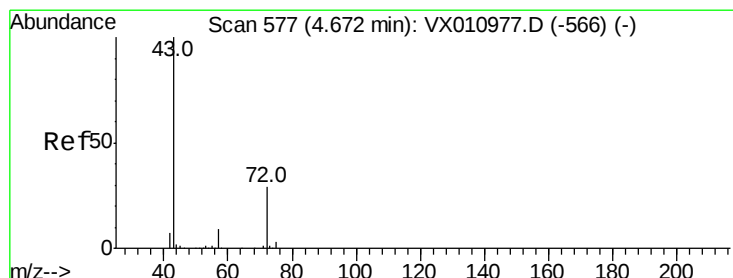
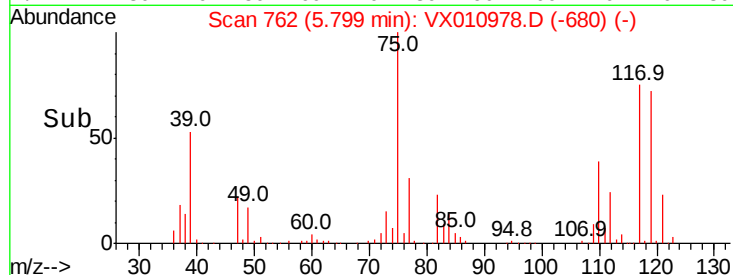
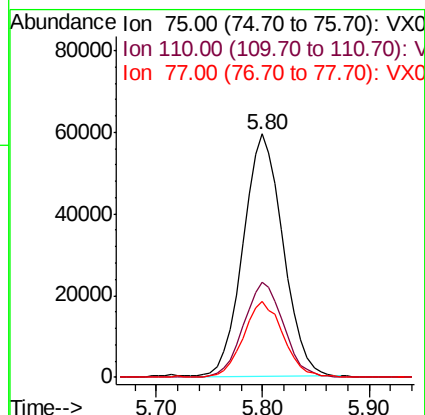
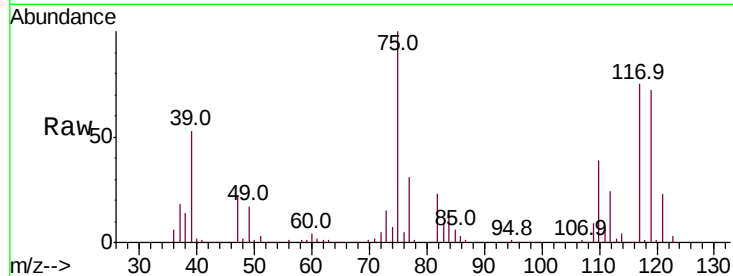
ClientSampleId :

VSTDIC050

Tot Ion:	75	Resp:	155994
Ion Ratio	Lower	Upper	
75	100		
110	39.3	0.0	79.8
77	31.6	0.0	62.2

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#30

2-Butanone

Concen: 177.525 ug/l

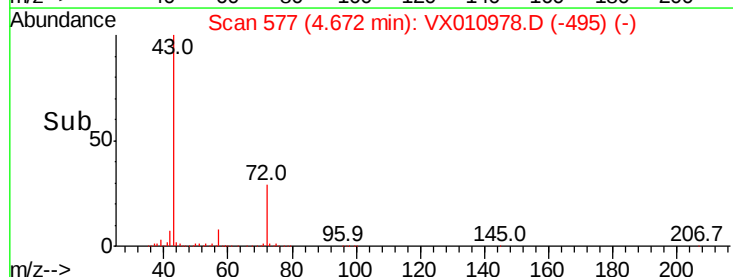
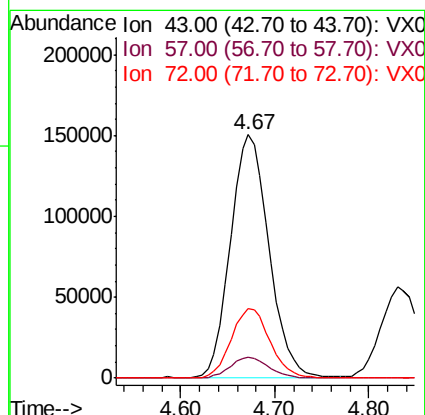
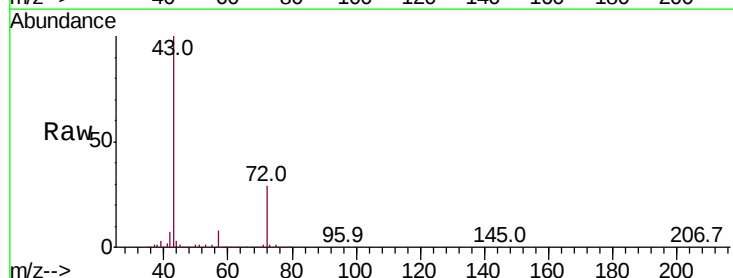
RT: 4.67 min Scan# 577

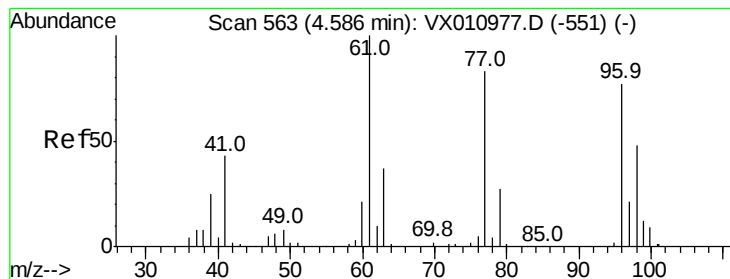
Delta R.T. 0.00 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

Tgt Ion:	43	Resp:	426627
Ion Ratio	Lower	Upper	
43	100		
57	8.5	6.8	10.2
72	28.7	23.2	34.8





#31

2,2-Dichloropropane

Concen: 40.372 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 77 Resp: 138771

Ion Ratio Lower Upper

77 100

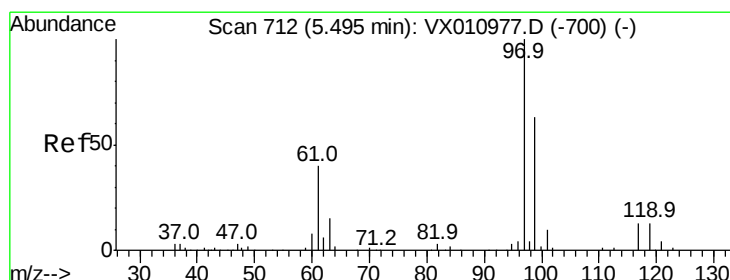
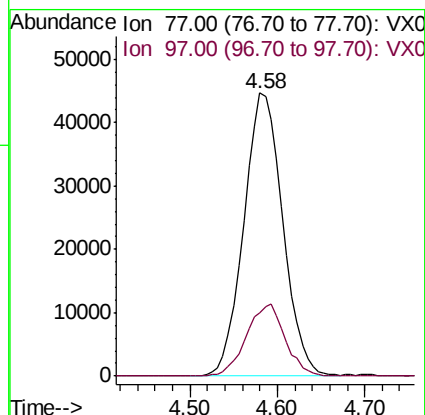
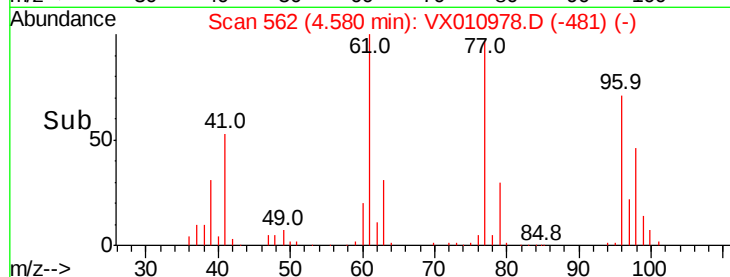
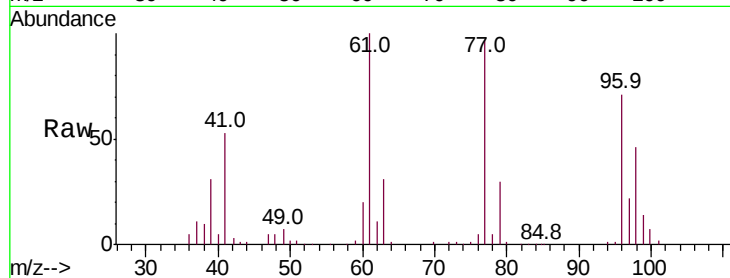
97 25.2 20.9 31.3

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#32

1,1,1-Trichloroethane

Concen: 53.222 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

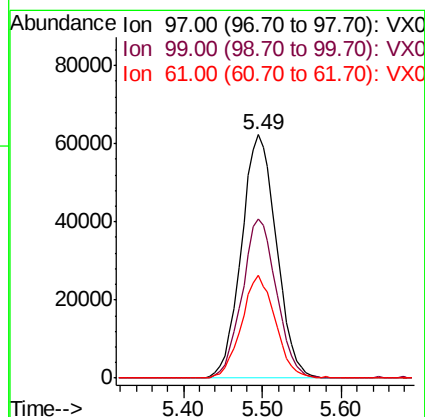
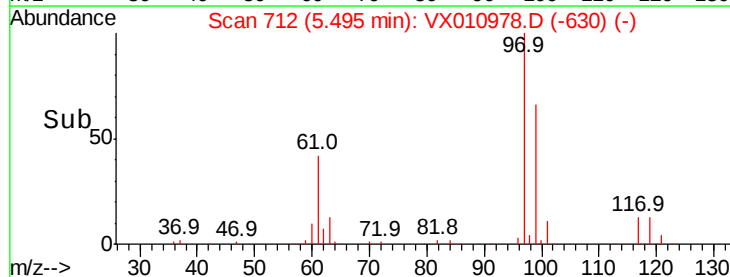
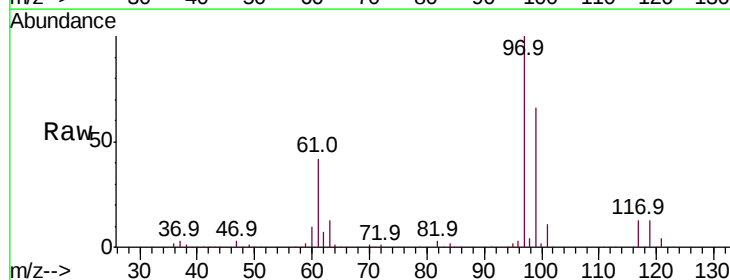
Tgt Ion: 97 Resp: 191961

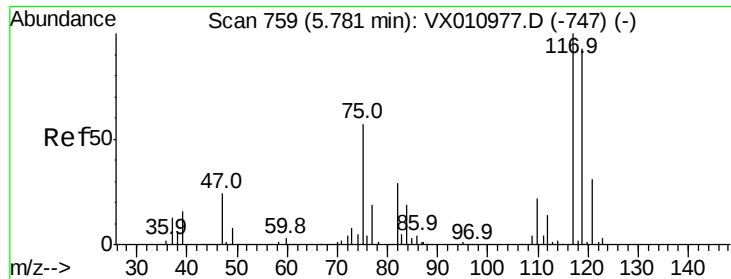
Ion Ratio Lower Upper

97 100

99 64.2 51.0 76.6

61 40.8 34.3 51.5





#33

Carbon Tetrachloride

Concen: 56.262 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

Instrument :

MSVOA_X

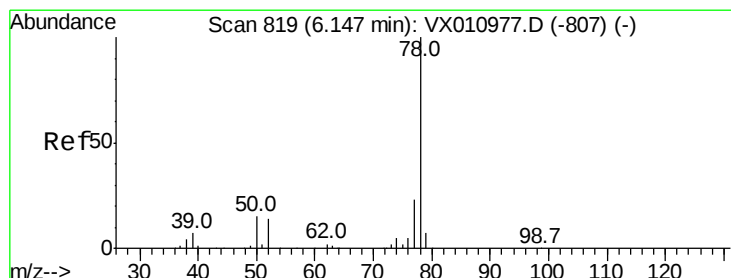
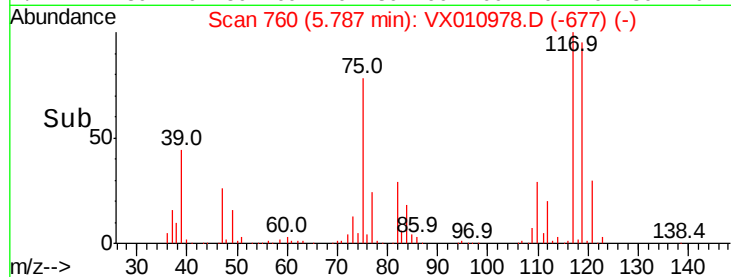
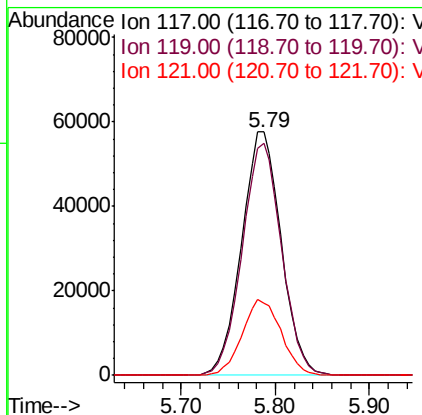
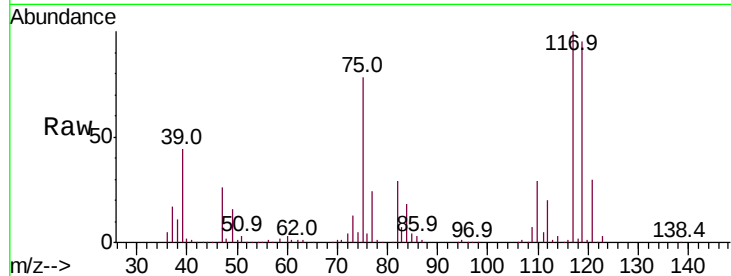
ClientSampleId :

VSTDIC050

Tot Ion:	117	Resp:	169595
Ion Ratio	Lower	Upper	
117	100		
119	95.4	74.3	111.5
121	29.8	24.9	37.3

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#34

Benzene

Concen: 47.406 ug/l

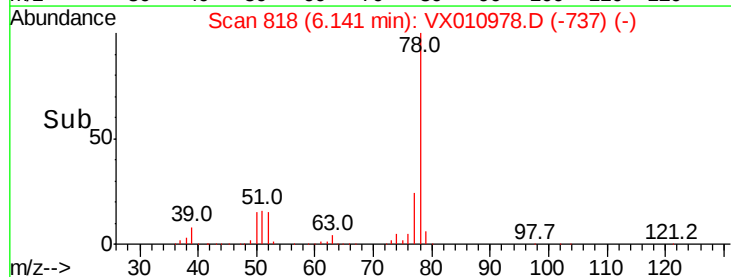
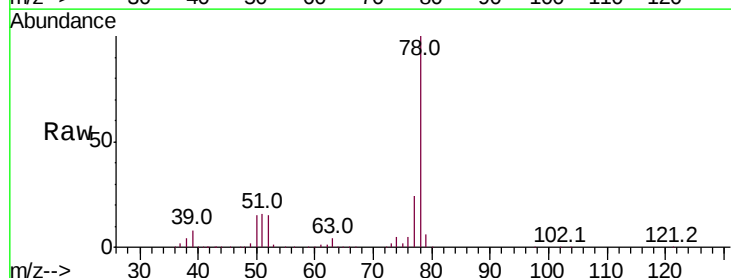
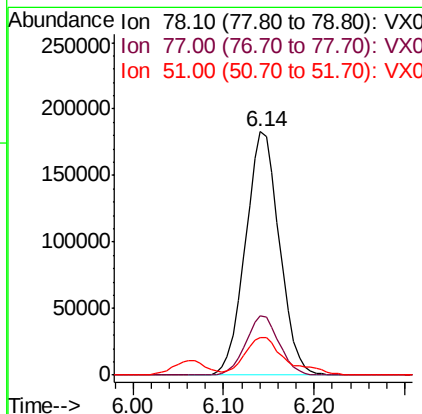
RT: 6.14 min Scan# 818

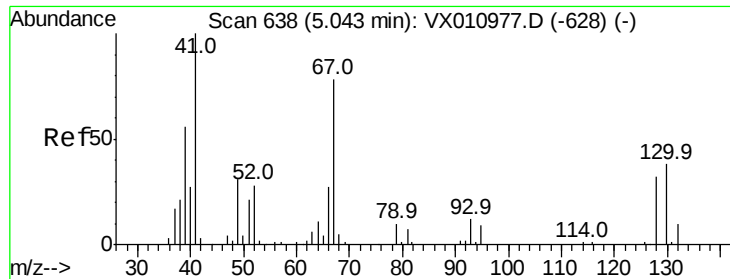
Delta R.T. -0.01 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

Tgt Ion:	78	Resp:	473673
Ion Ratio	Lower	Upper	
78	100		
77	24.3	18.2	27.4
51	15.1	11.4	17.2





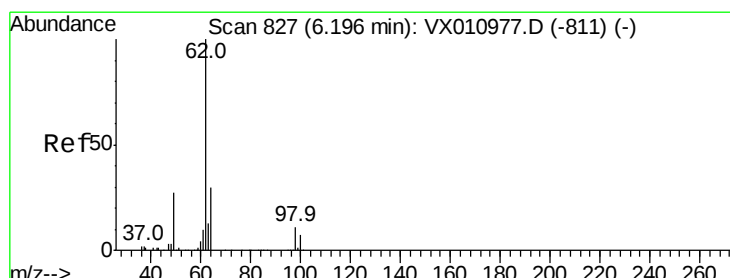
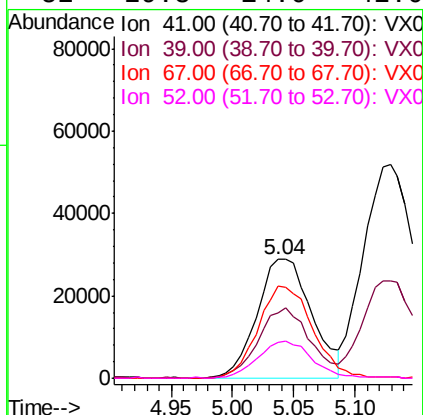
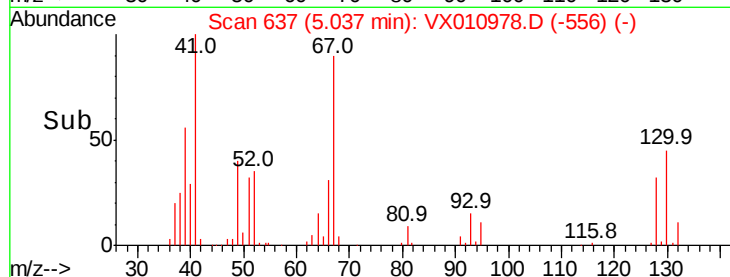
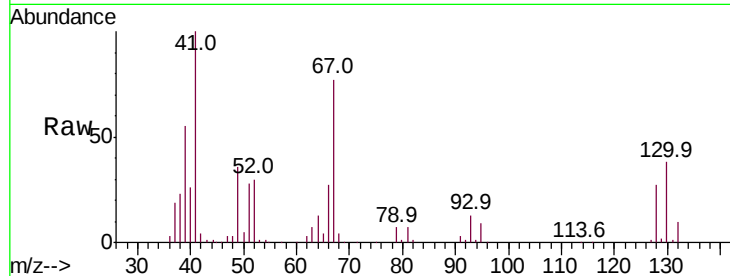
#35
Methacrylonitrile
Concen: 36.013 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.0	27.6	82.8
67	77.1	39.1	117.2
52	29.8	14.0	42.0

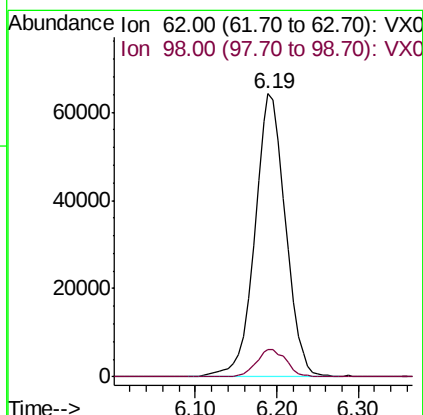
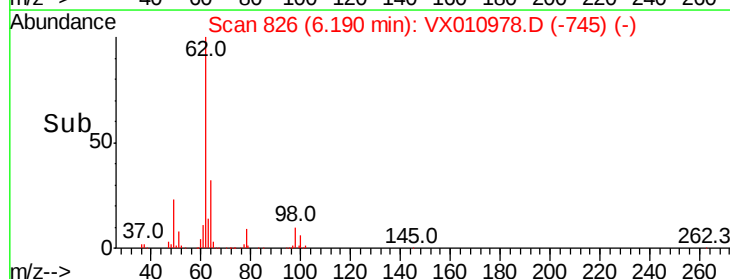
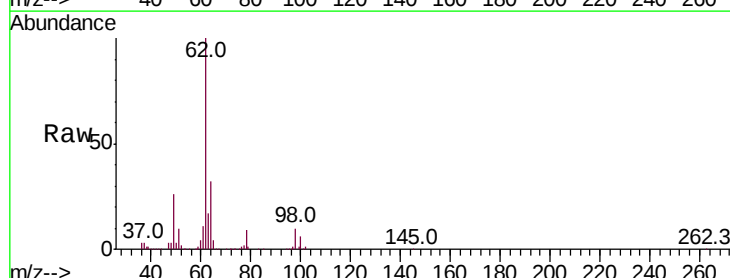
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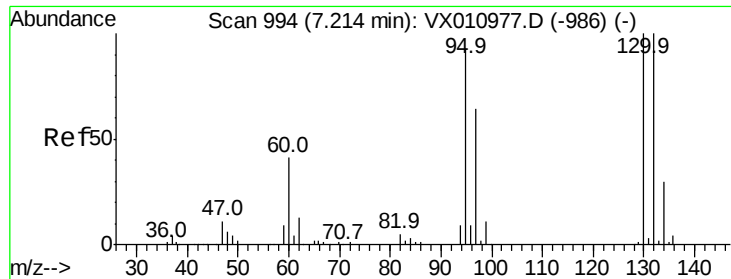
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#36
1,2-Dichloroethane
Concen: 46.782 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	8.0	12.0





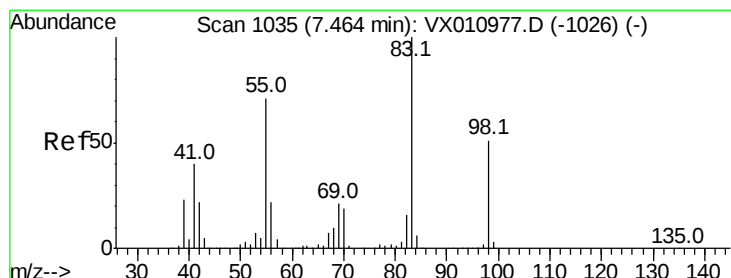
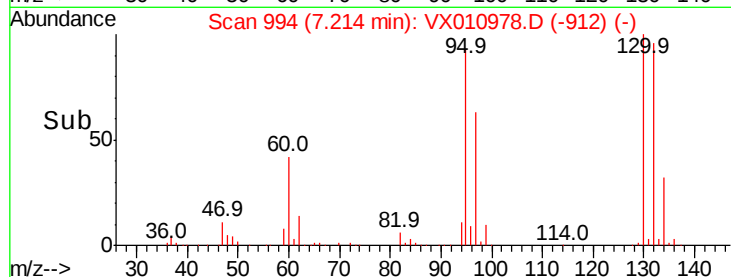
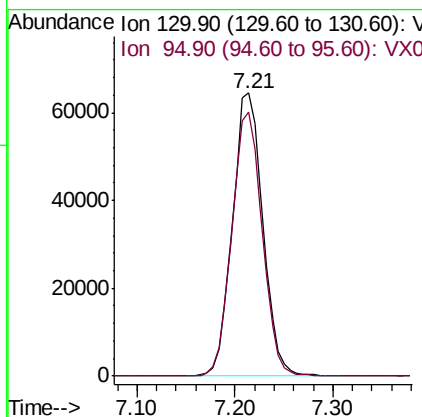
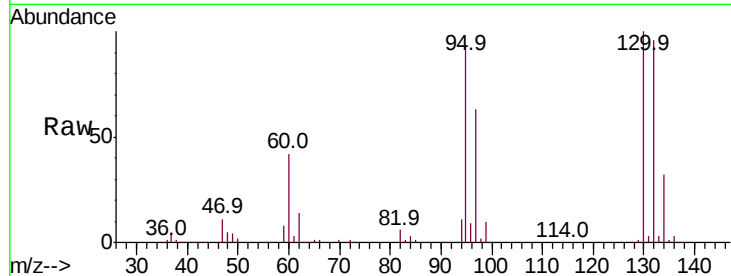
#37
 Trichloroethene
 Concen: 55.445 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX010978.D
 Acq: 18 Jul 2019 23:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
130	100	138834		
95	93.2	74.1	111.1	

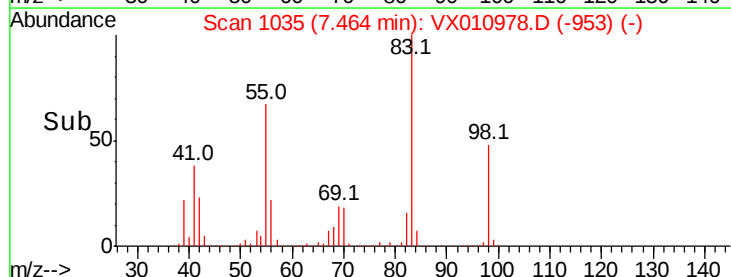
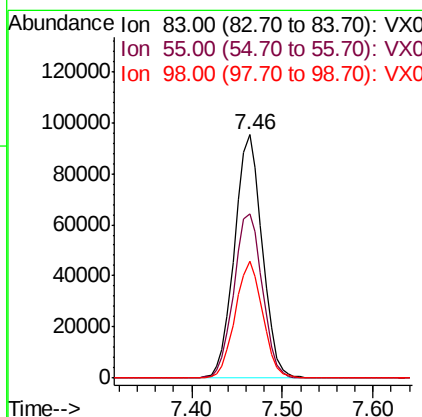
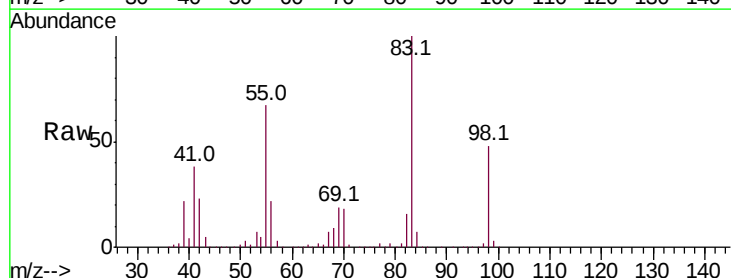
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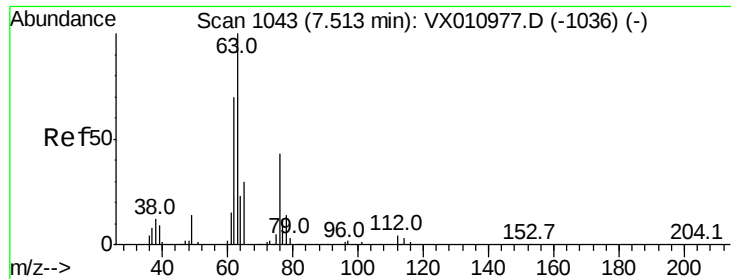
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#38
 Methylcyclohexane
 Concen: 49.849 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: VX010978.D
 Acq: 18 Jul 2019 23:08

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	201867		
55	69.3	35.3	105.9	
98	47.8	24.0	72.0	





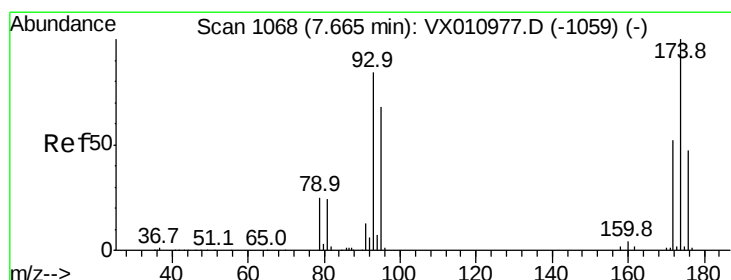
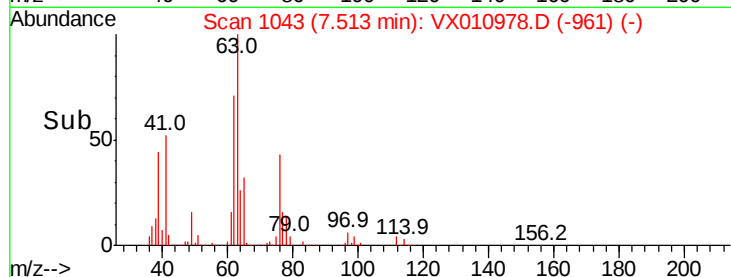
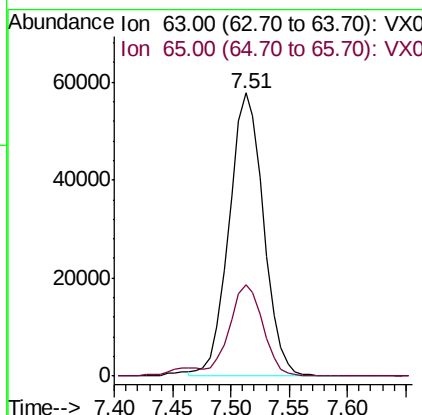
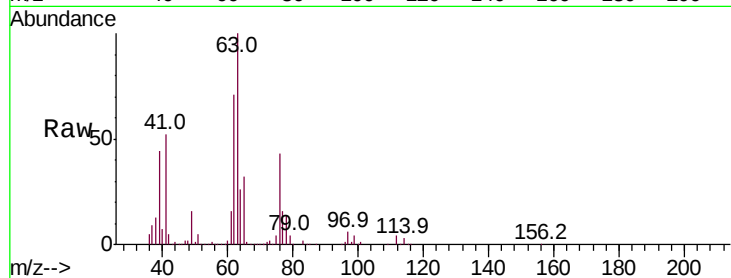
#39
 1,2-Dichloropropane
 Concen: 42.796 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX010978.D
 Acq: 18 Jul 2019 23:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion: 63 Resp: 119142
 Ion Ratio Lower Upper
 63 100
 65 32.6 25.6 38.4

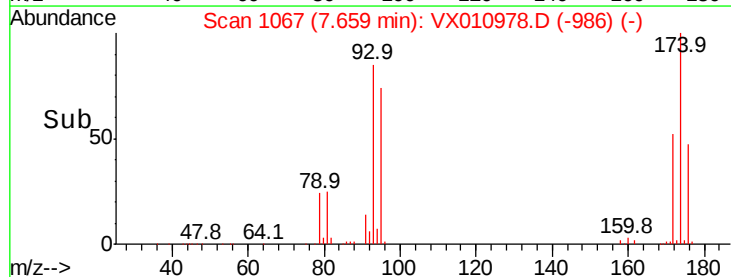
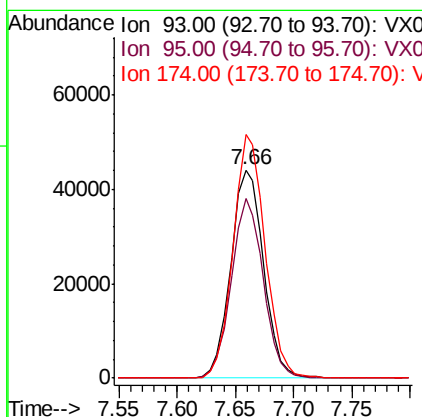
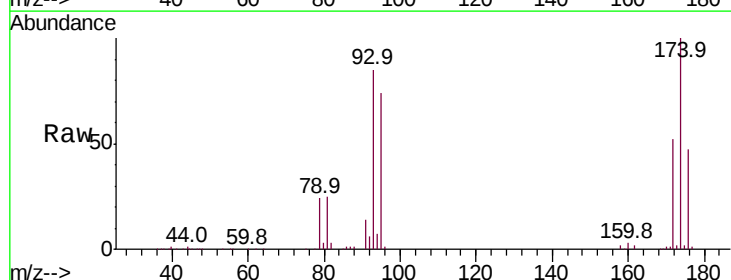
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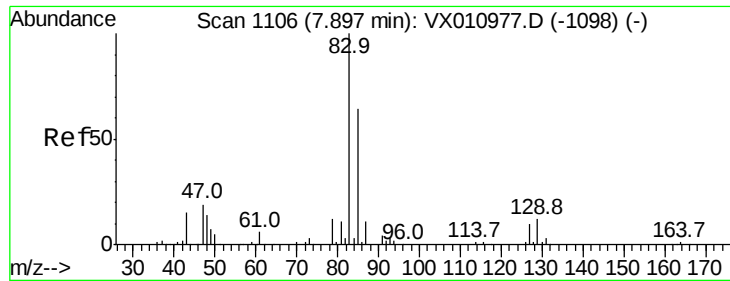
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#40
 Dibromomethane
 Concen: 52.197 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.01 min
 Lab File: VX010978.D
 Acq: 18 Jul 2019 23:08

Tgt Ion: 93 Resp: 86360
 Ion Ratio Lower Upper
 93 100
 95 84.4 0.0 166.0
 174 114.4 0.0 229.2





#41

Bromodichloromethane

Concen: 48.773 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

Instrument :

MSVOA_X

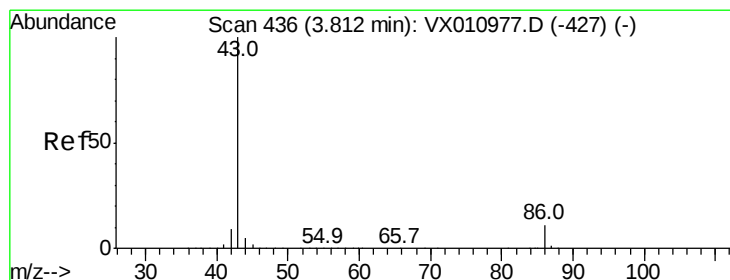
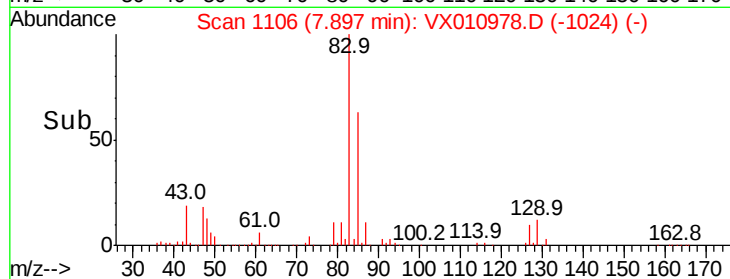
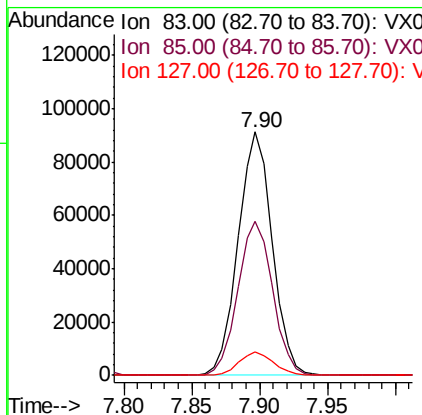
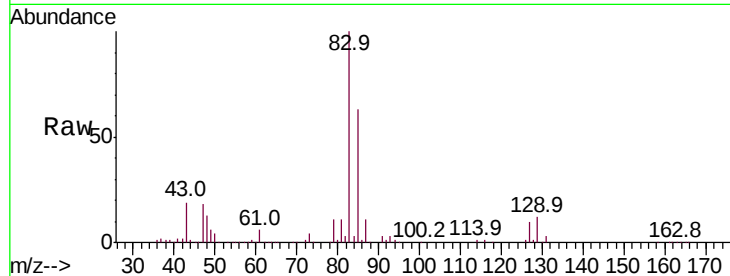
ClientSampleId :

VSTDIC050

Tot Ion:	83	Resp:	160270
Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.9	76.3
127	9.6	7.7	11.5

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#42

Vinyl Acetate

Concen: 178.592 ug/l

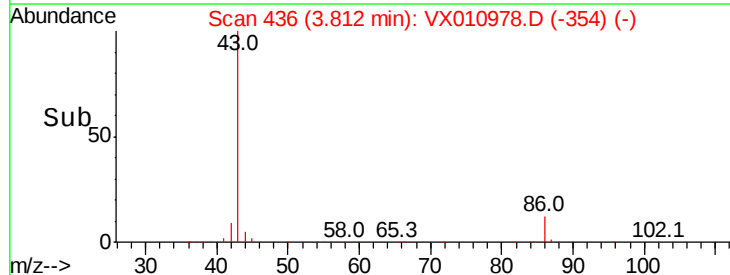
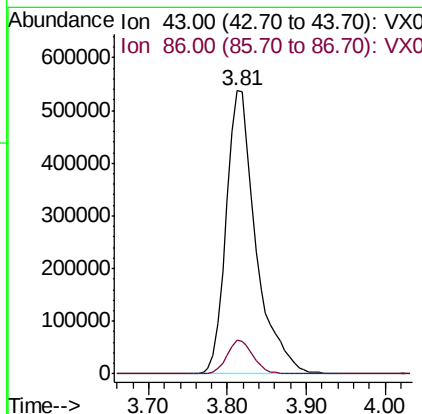
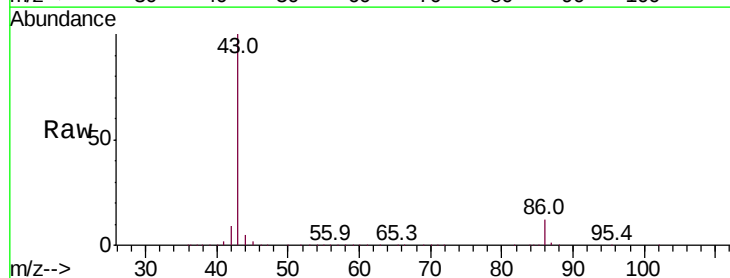
RT: 3.81 min Scan# 436

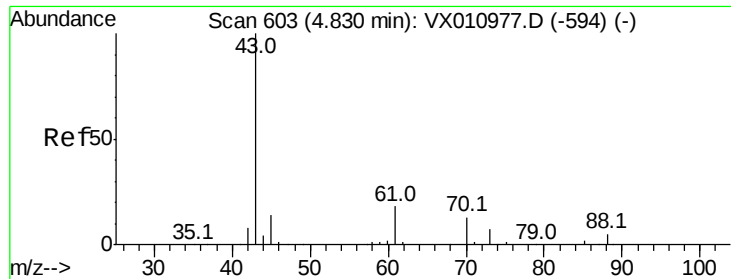
Delta R.T. 0.00 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

Tgt Ion:	43	Resp:	1409658
Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.2	12.2





#43

Ethyl Acetate

Concen: 37.984 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.00 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 43 Resp: 164884

Ion Ratio Lower Upper

43 100

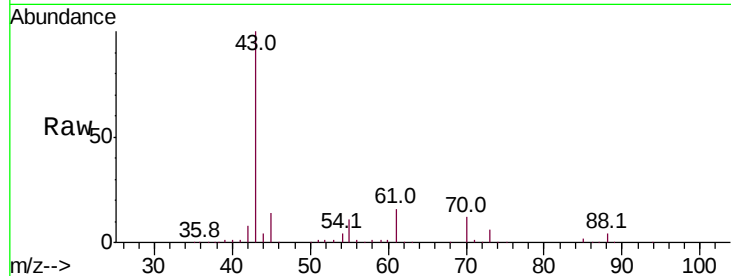
45 15.3 12.1 18.1

Manual Integrations

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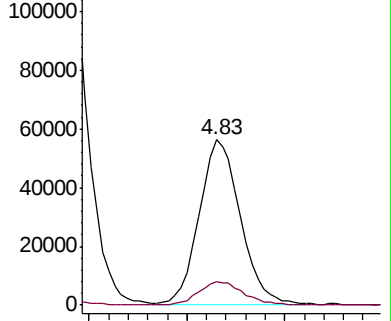
MMDadoda

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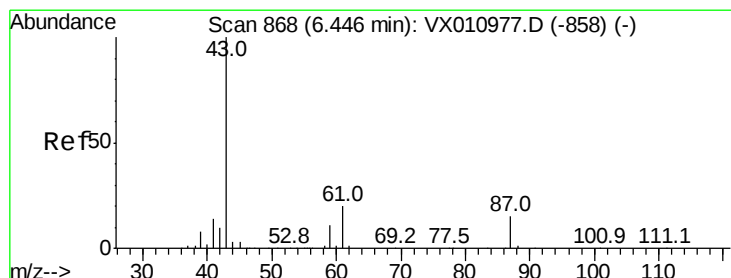
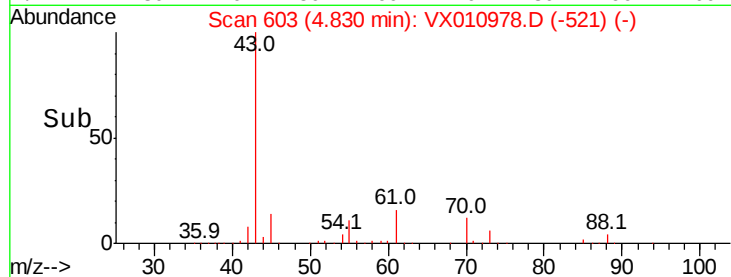


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



Time-->



#44

Isopropyl Acetate

Concen: 37.705 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX010978.D

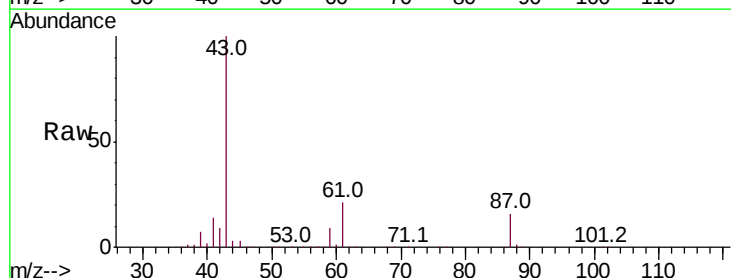
Acq: 18 Jul 2019 23:08

Tgt Ion: 43 Resp: 268221

Ion Ratio Lower Upper

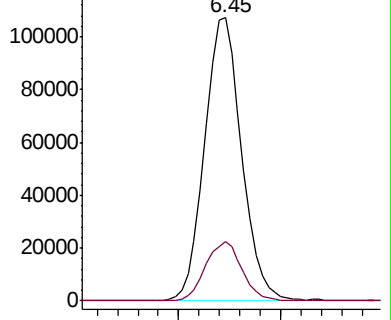
43 100

61 20.9 16.7 25.1

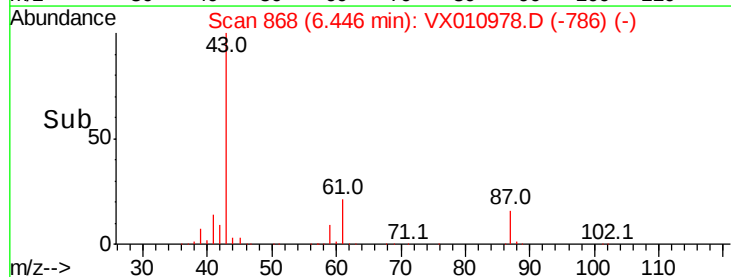


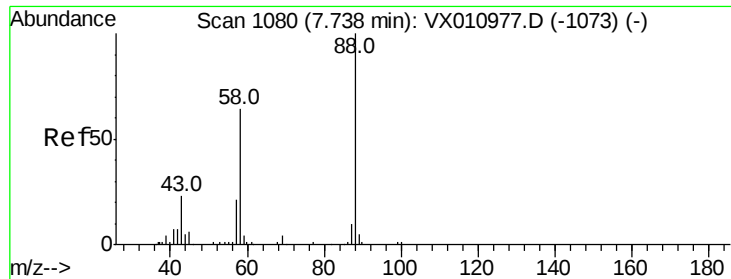
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



Time-->





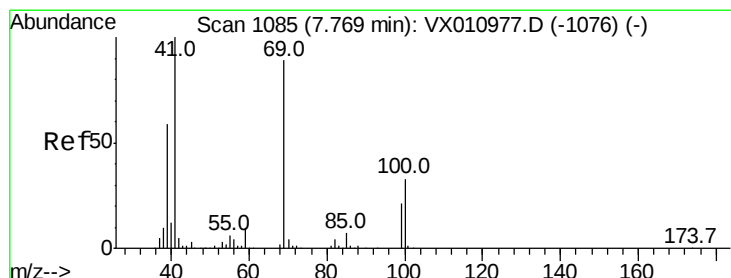
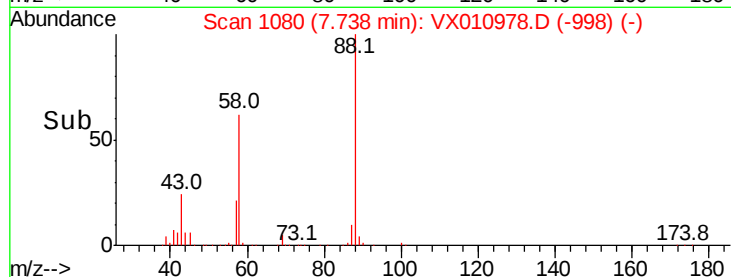
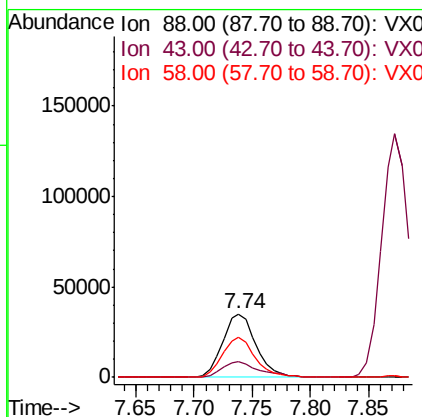
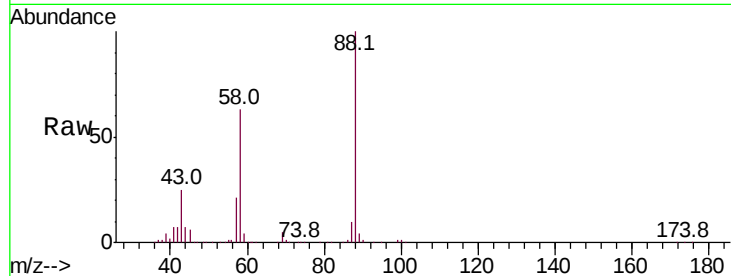
#45
1,4-Dioxane
Concen: 940.031 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.5	21.6	32.4
58	62.6	52.2	78.2

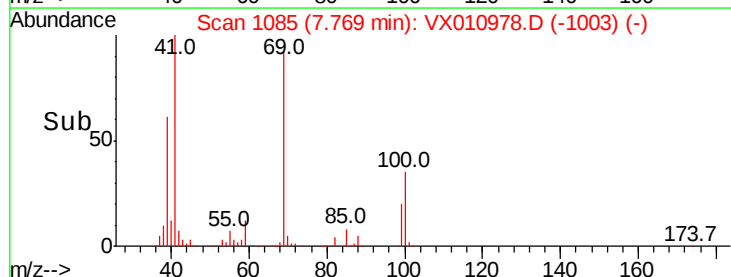
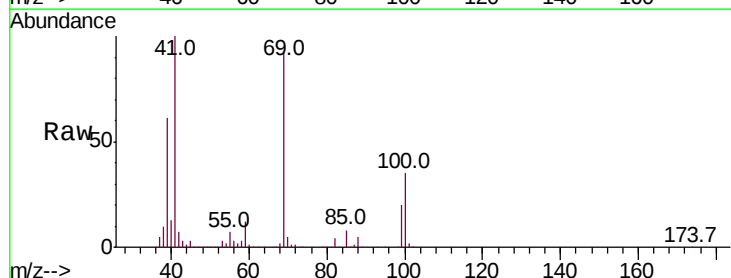
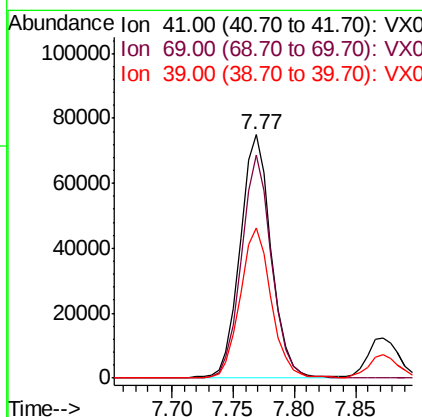
Manual Integrations
APPROVED

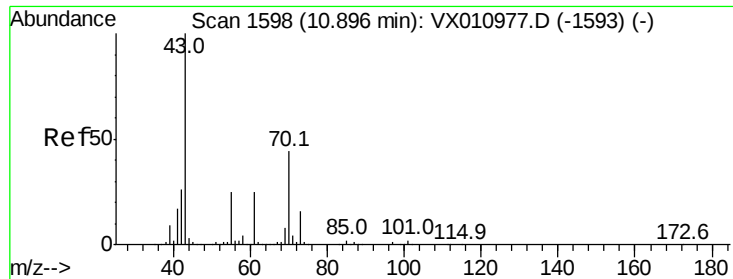
MMDadoda
7/19/2019 9:56:31 AM



#46
Methyl methacrylate
Concen: 37.066 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Tgt Ion	Ratio	Lower	Upper
41	100		
69	92.0	44.7	134.1
39	61.4	29.4	88.2





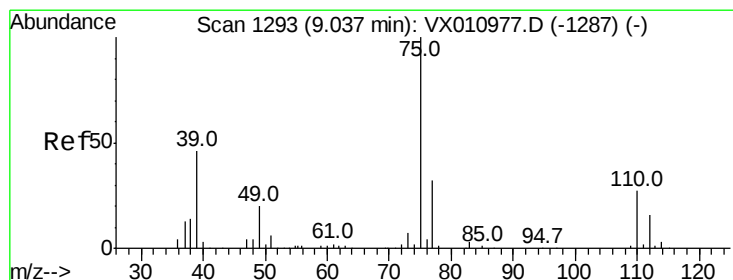
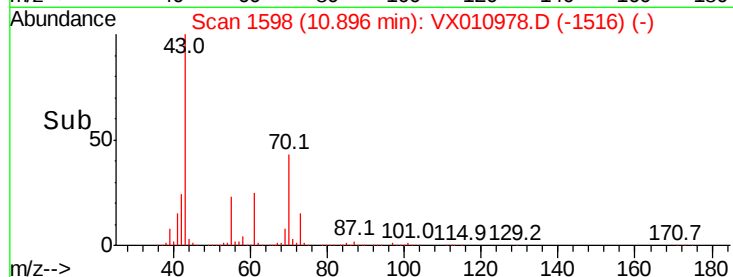
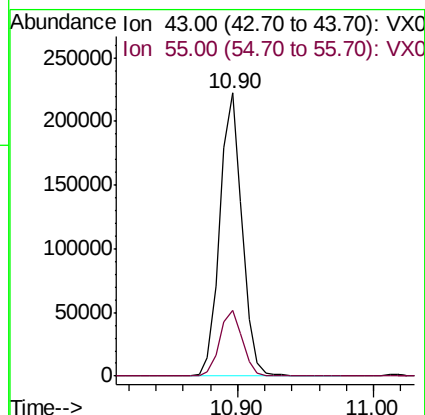
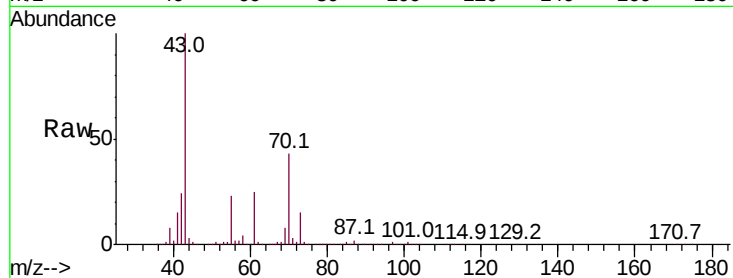
#47
n-amvl Acetate
Concen: 39.275 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion: 43 Resp: 251352
Ion Ratio Lower Upper
43 100
55 23.8 19.6 29.4

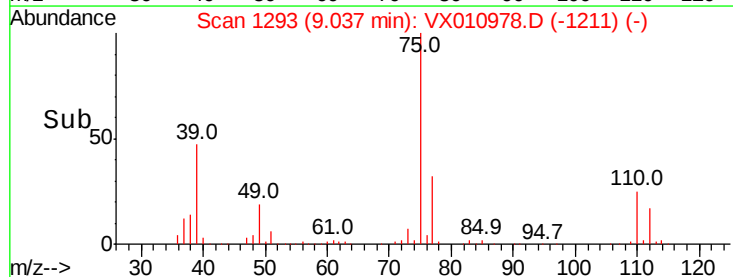
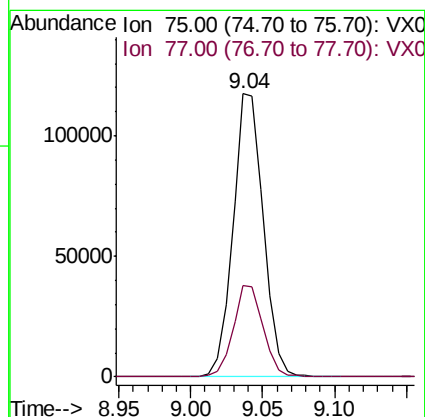
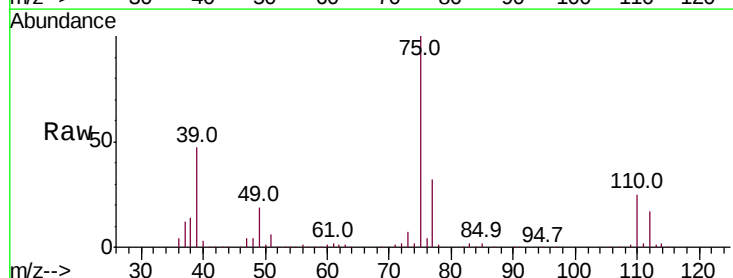
Manual Integrations
APPROVED

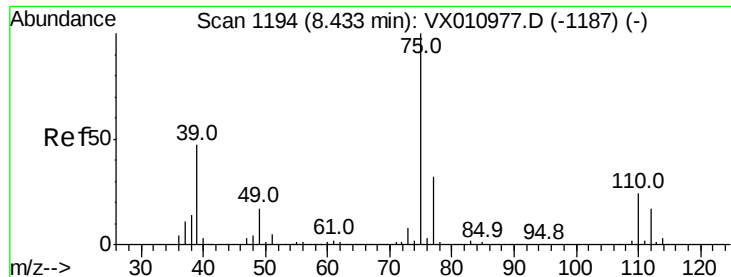
MMDadoda
7/19/2019 9:56:31 AM



#48
t-1,3-Dichloropropene
Concen: 45.812 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Tgt Ion: 75 Resp: 172669
Ion Ratio Lower Upper
75 100
77 32.4 25.7 38.5





#49

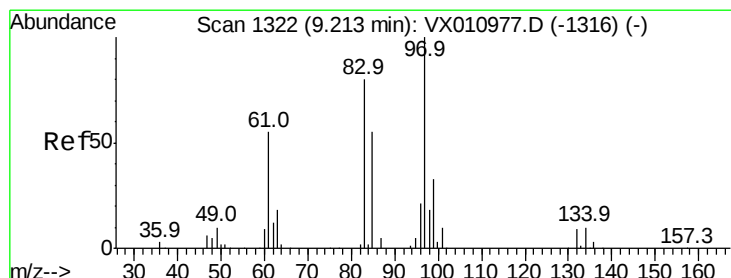
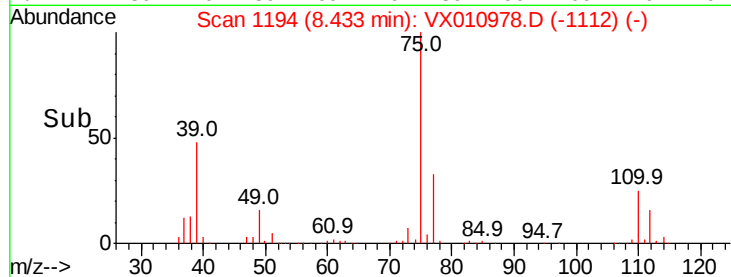
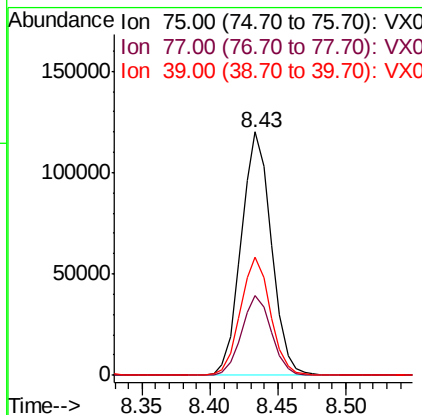
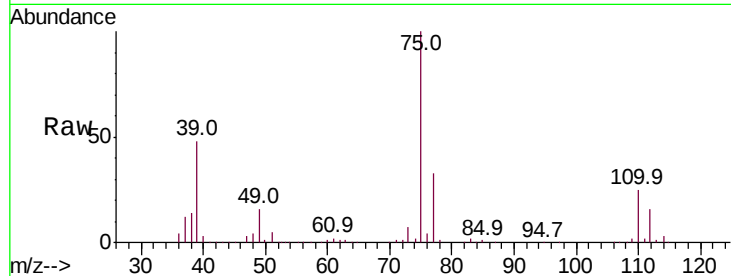
cis-1,3-Dichloropropene
Concen: 44.930 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.0	25.3	37.9
39	48.4	37.8	56.6

Manual Integrations
APPROVED

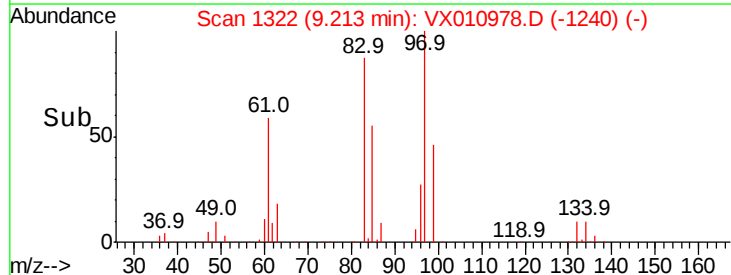
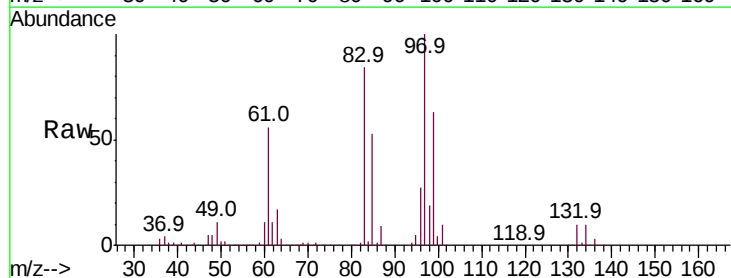
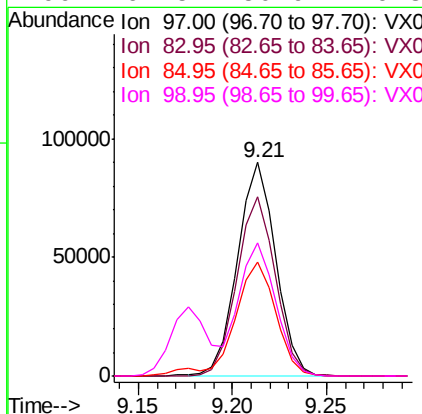
MMDadoda
7/19/2019 9:56:31 AM

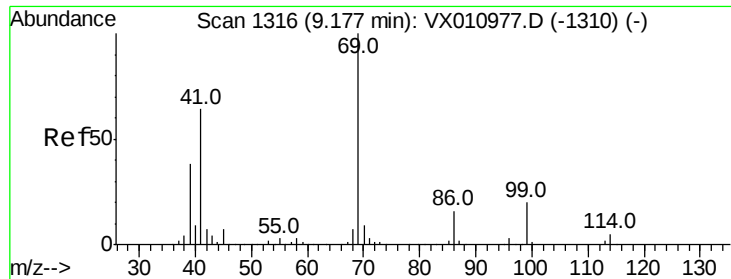


#50

1,1,2-Trichloroethane
Concen: 50.167 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.1	63.9	95.9
85	53.4	43.4	65.2
99	62.5	50.9	76.3





#51

Ethyl methacrylate

Concen: 44.280 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 69 Resp: 198385

Ion Ratio Lower Upper

69 100

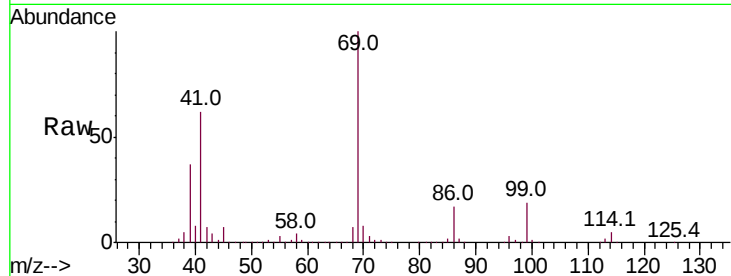
41 61.9 32.1 96.3

39 36.5 19.1 57.3

Manual Integrations
APPROVED

MMDadoda

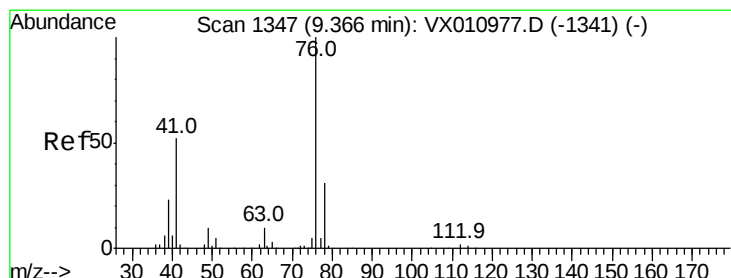
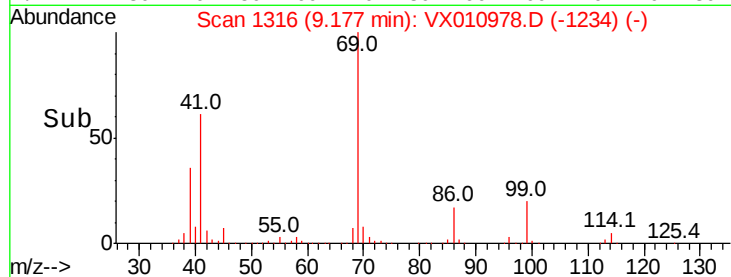
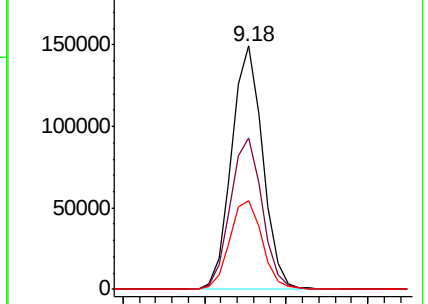
7/19/2019 9:56:31 AM



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 46.872 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.01 min

Lab File: VX010978.D

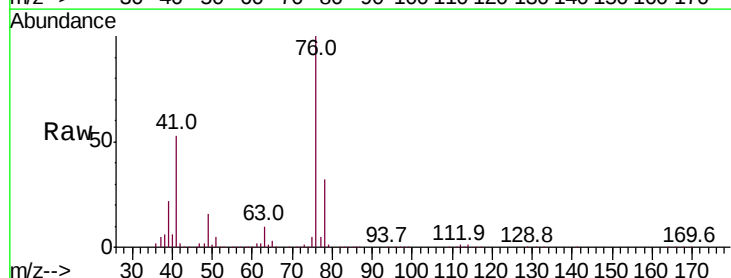
Acq: 18 Jul 2019 23:08

Tgt Ion: 76 Resp: 205195

Ion Ratio Lower Upper

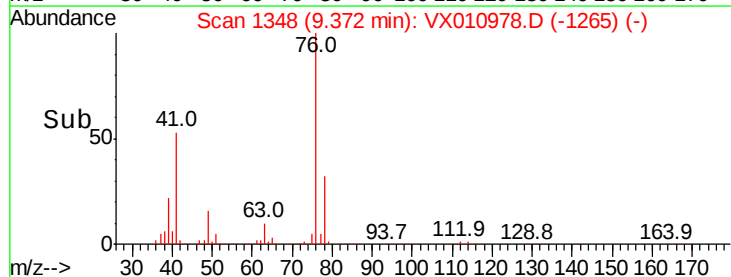
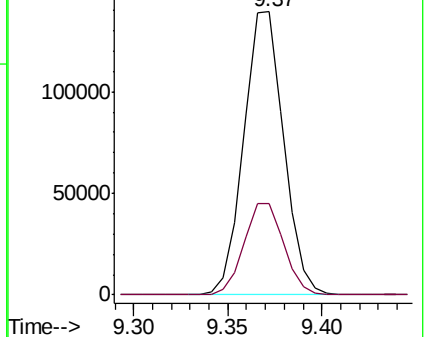
76 100

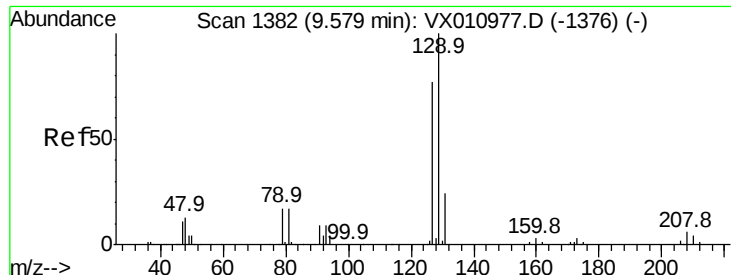
78 32.2 0.0 63.8



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





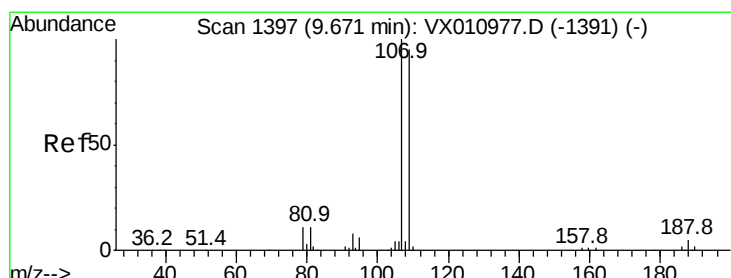
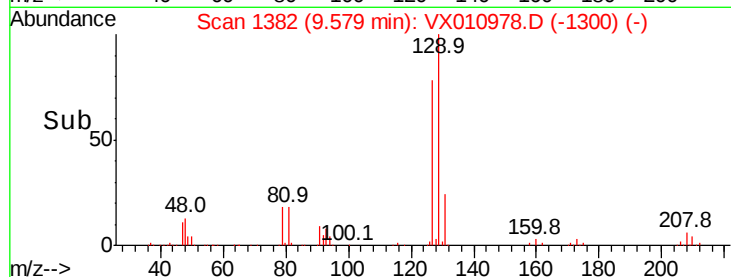
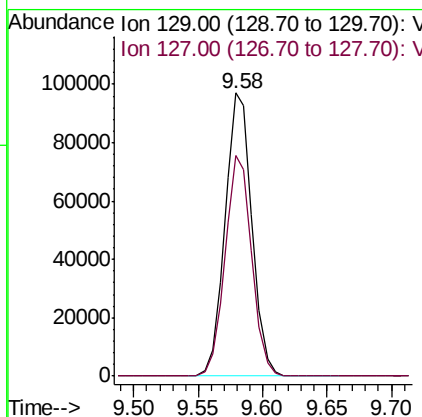
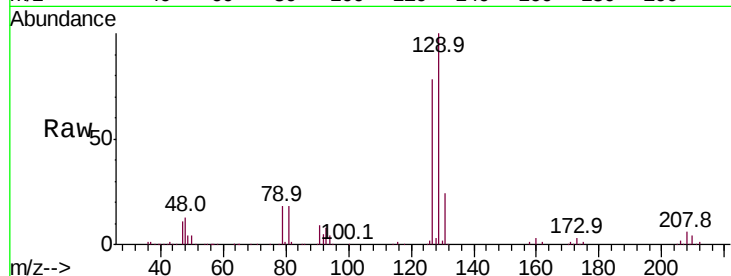
#53
Dibromochloromethane
Concen: 56.019 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.1	114.3

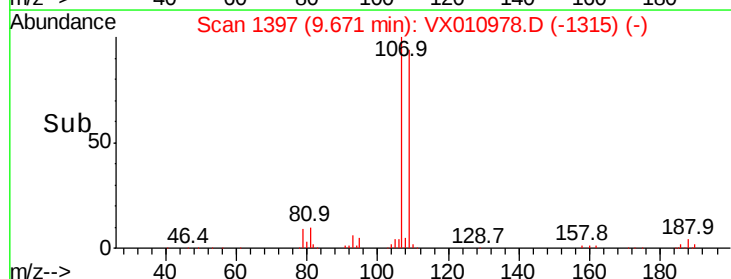
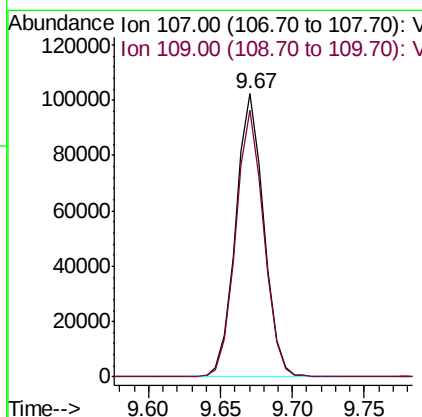
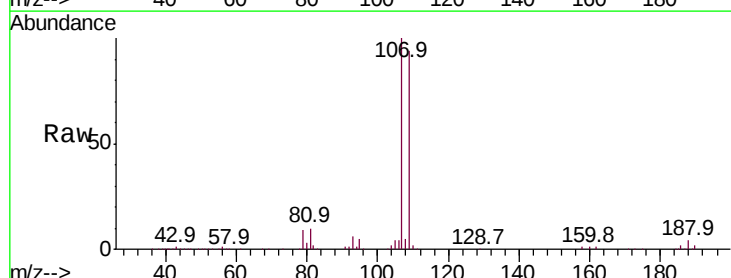
Manual Integrations
APPROVED

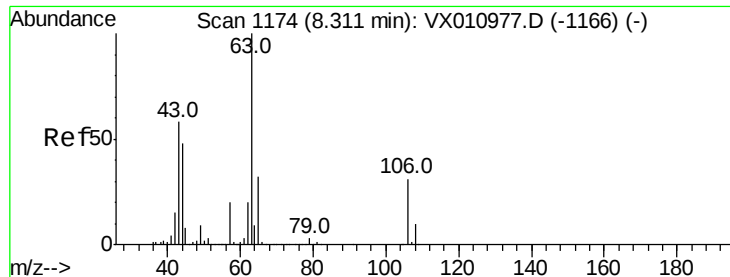
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#54
1,2-Dibromoethane
Concen: 53.522 ug/l
RT: 9.67 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.9	77.1	115.7





#55

2-Chloroethyl vinyl ether

Concen: 182.242 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 63 Resp: 417309

Ion Ratio Lower Upper

63 100

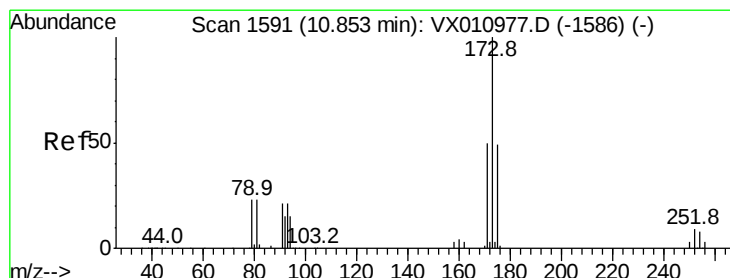
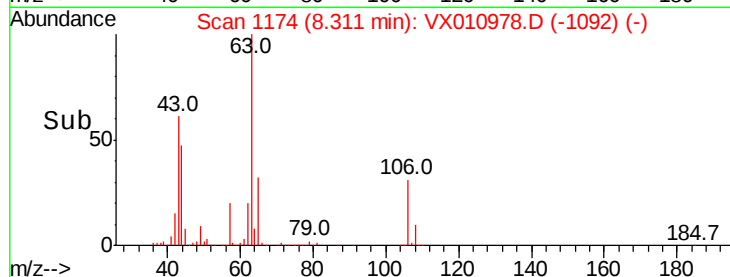
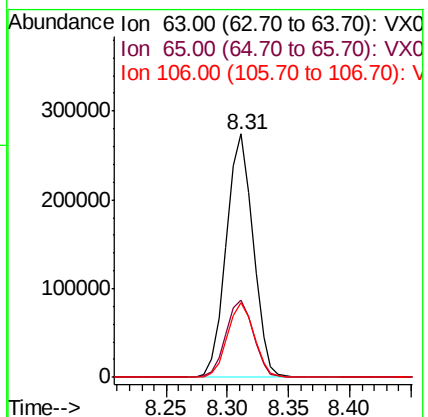
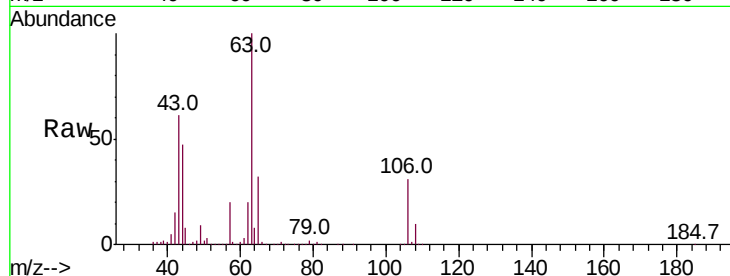
65 32.5 25.7 38.5

106 30.6 24.8 37.2

Manual Integrations
APPROVED

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7/19/2019 9:56:31 AM



#56

Bromoform

Concen: 55.663 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

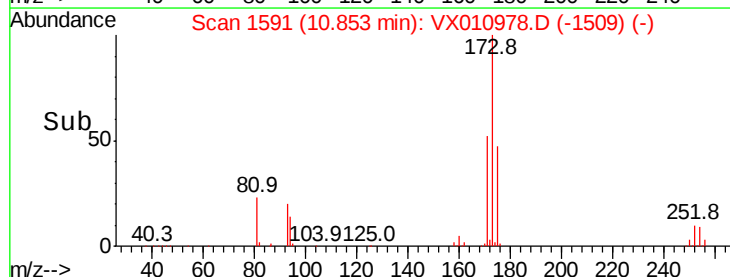
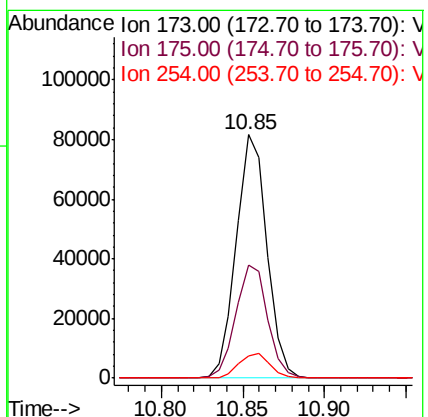
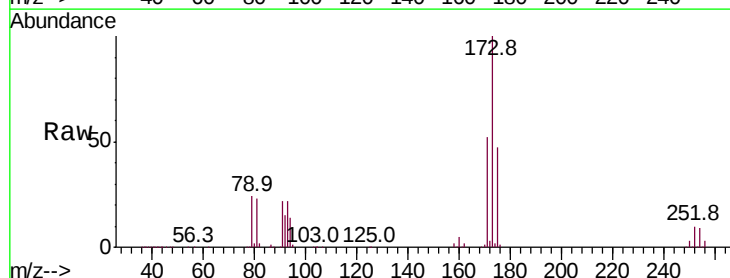
Tgt Ion:173 Resp: 107147

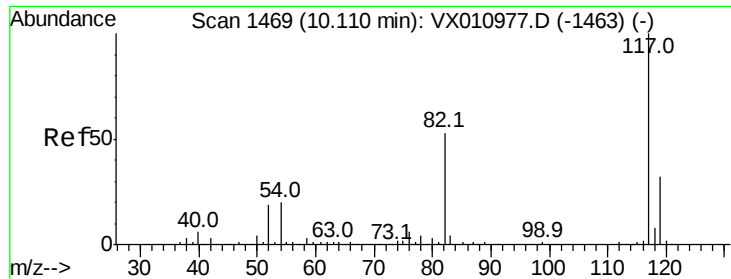
Ion Ratio Lower Upper

173 100

175 48.2 39.0 58.6

254 10.2 7.9 11.9





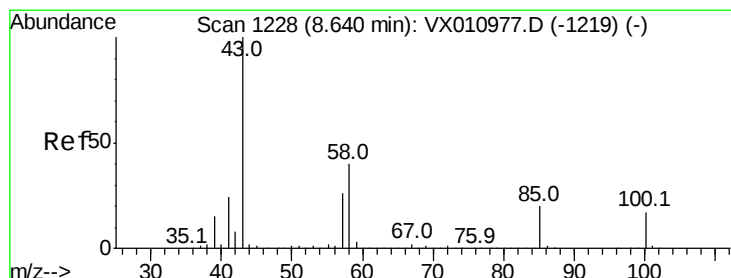
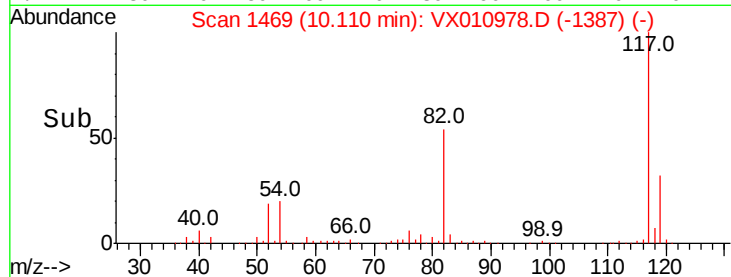
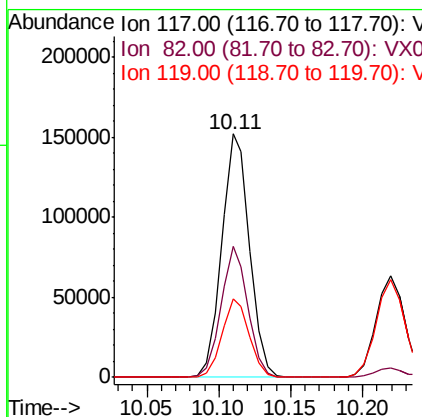
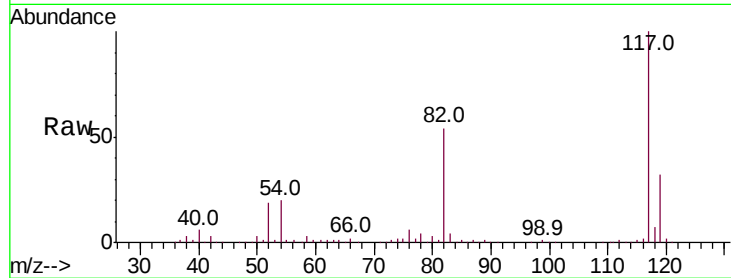
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	41.6	62.4
119	32.0	26.0	39.0

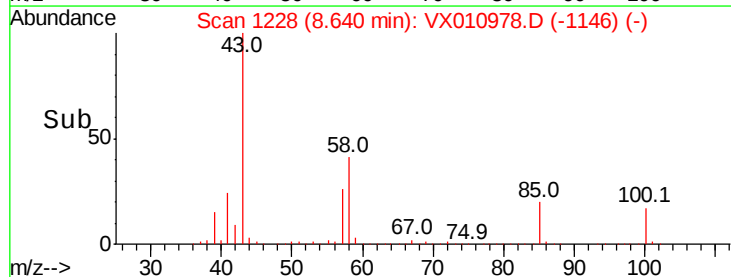
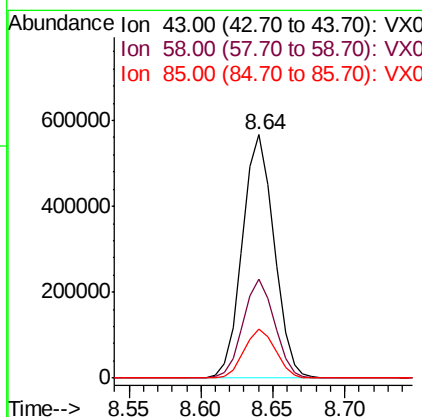
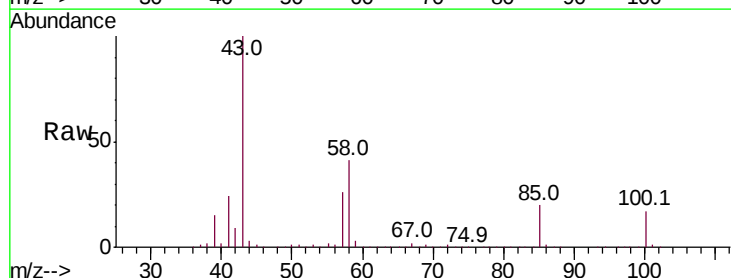
Manual Integrations
APPROVED

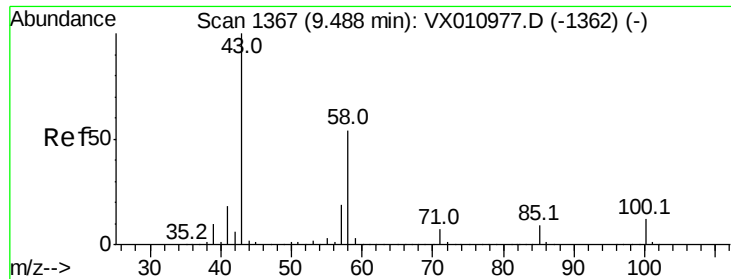
MMDadoda
7/19/2019 9:56:31 AM



#58
4-Methyl-2-Pentanone
Concen: 183.277 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.3	32.6	48.8
85	20.1	15.8	23.6





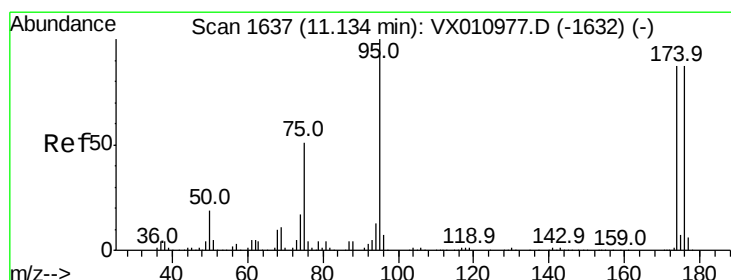
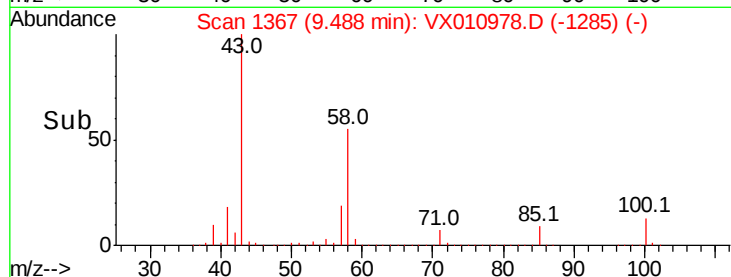
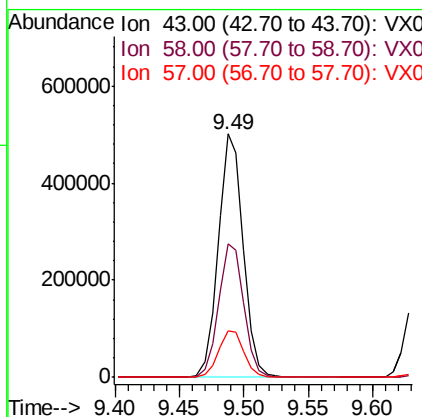
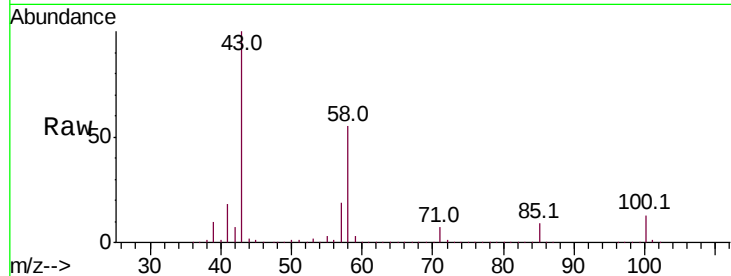
#59
2-Hexanone
Concen: 183.257 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.7	44.7	67.1
57	19.4	15.4	23.2

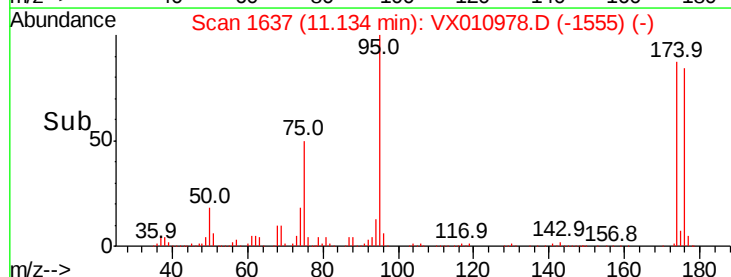
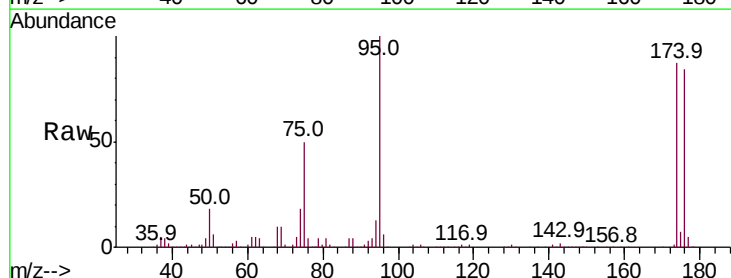
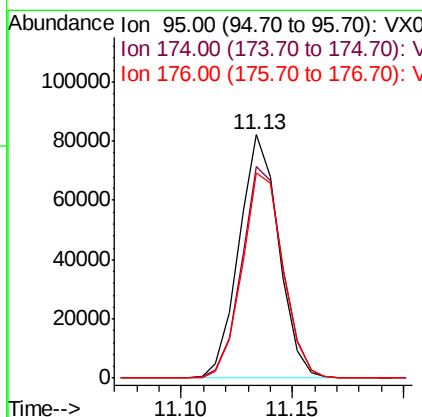
Manual Integrations
APPROVED

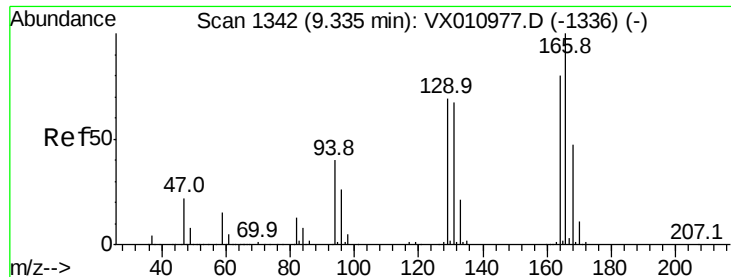
MMDadoda
7/19/2019 9:56:31 AM



#60
4-Bromofluorobenzene
Concen: 29.675 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.7	73.3	109.9
176	87.2	71.2	106.8





#61

Tetrachloroethene

Concen: 57.305 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion:164 Resp: 135590

Ion Ratio Lower Upper

164 100

166 127.0 100.1 150.1

129 89.6 69.6 104.4

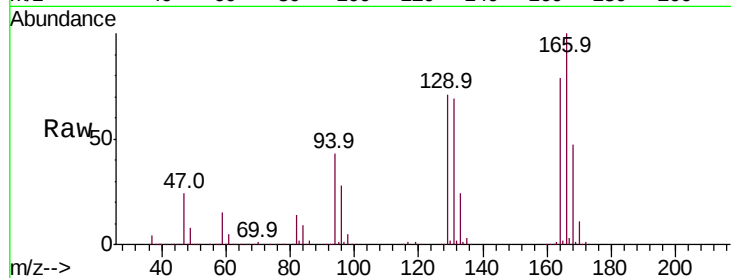
131 87.7 67.0 100.6

Manual Integrations

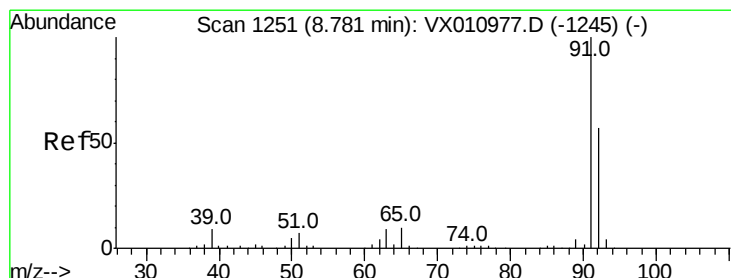
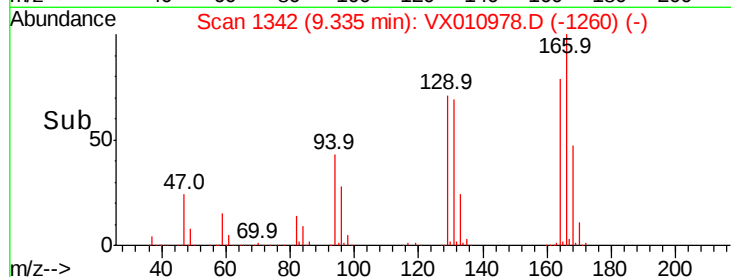
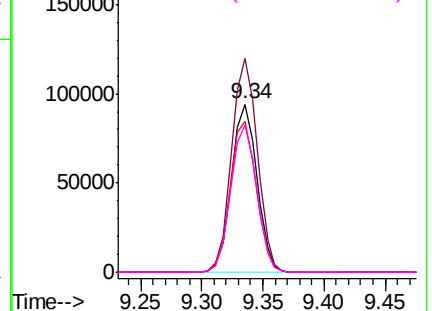
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Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 50.342 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX010978.D

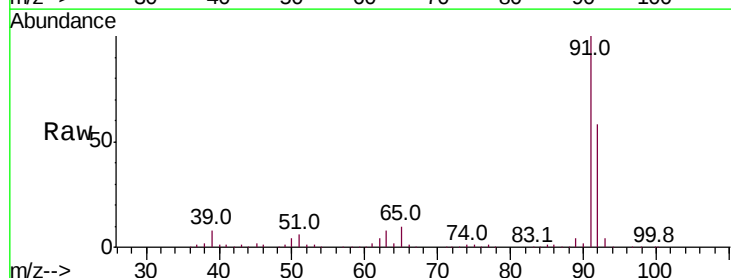
Acq: 18 Jul 2019 23:08

Tgt Ion: 91 Resp: 551327

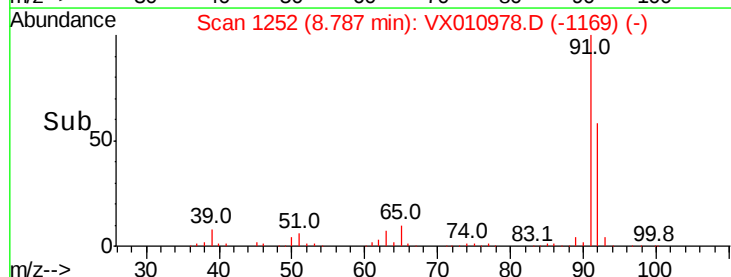
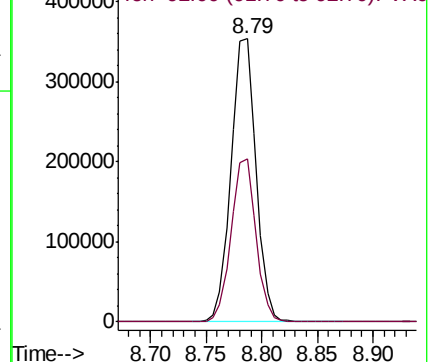
Ion Ratio Lower Upper

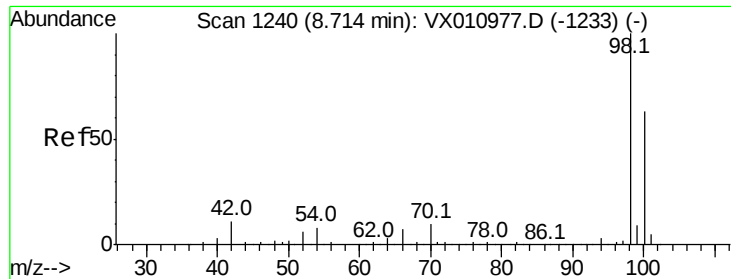
91 100

92 56.8 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: 28.251 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 98 Resp: 270642

Ion Ratio Lower Upper

98 100

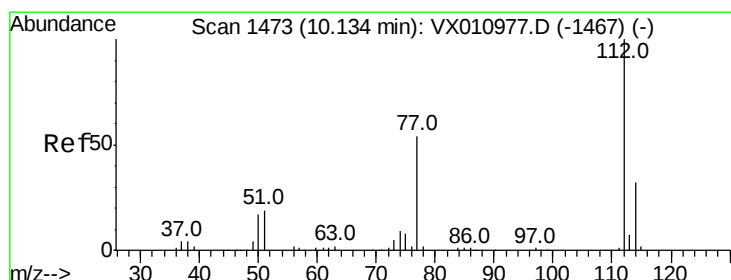
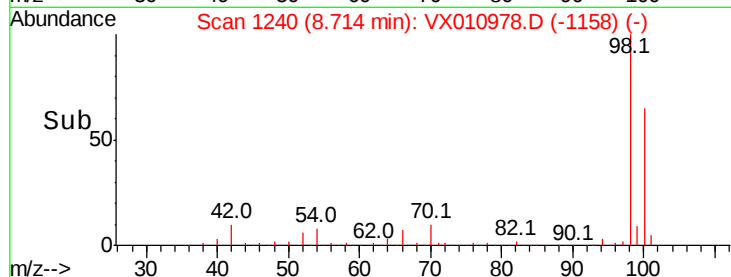
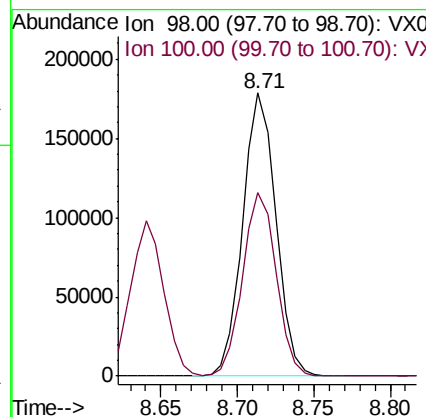
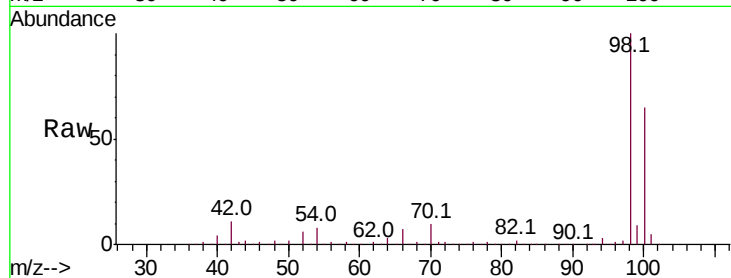
100 65.3 51.4 77.0

Manual Integrations

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#64

Chlorobenzene

Concen: 51.420 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX010978.D

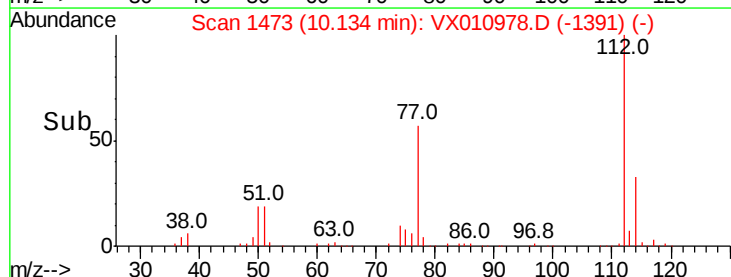
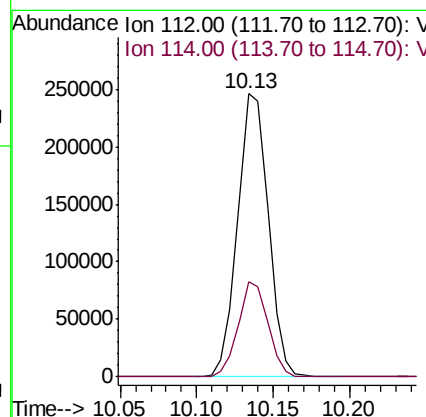
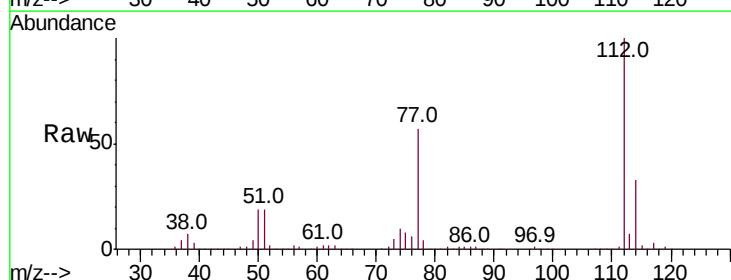
Acq: 18 Jul 2019 23:08

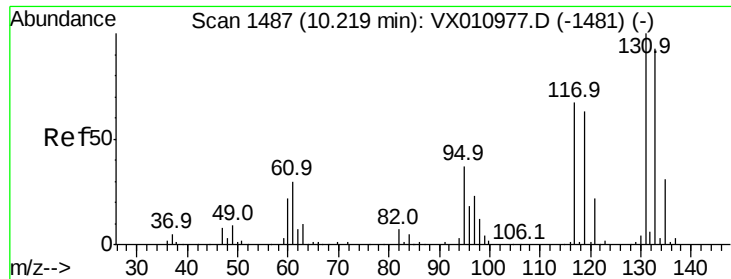
Tgt Ion: 112 Resp: 343734

Ion Ratio Lower Upper

112 100

114 33.4 25.3 37.9





#65

1,1,1,2-Tetrachloroethane

Concen: 53.140 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion:131 Resp: 129639

Ion Ratio Lower Upper

131 100

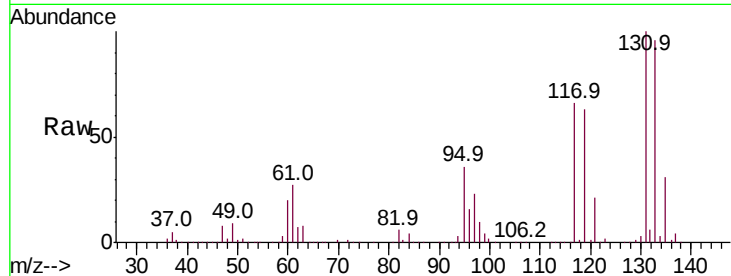
133 95.8 0.0 190.2

119 64.1 0.0 127.0

Manual Integrations
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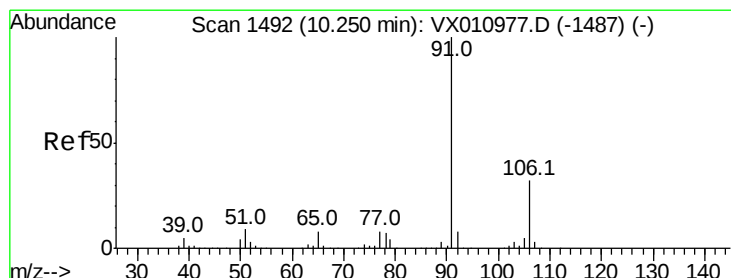
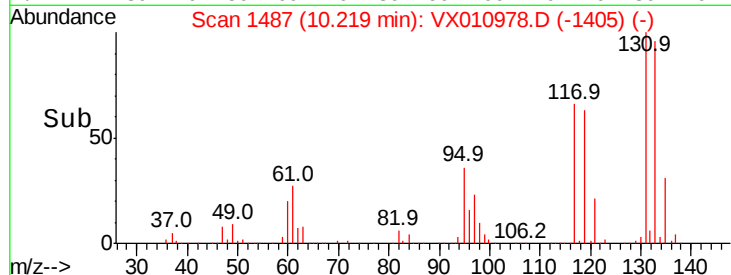
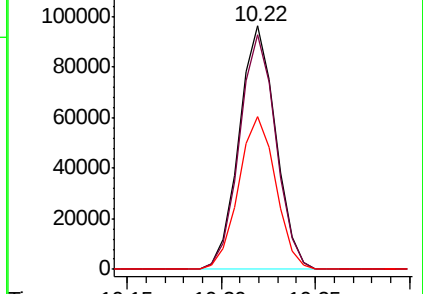
7/19/2019 9:56:31 AM



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 50.274 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010978.D

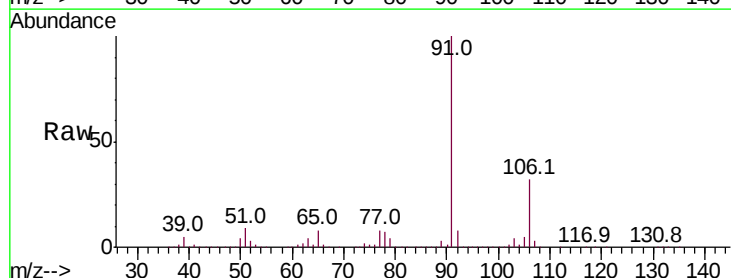
Acq: 18 Jul 2019 23:08

Tgt Ion: 91 Resp: 614546

Ion Ratio Lower Upper

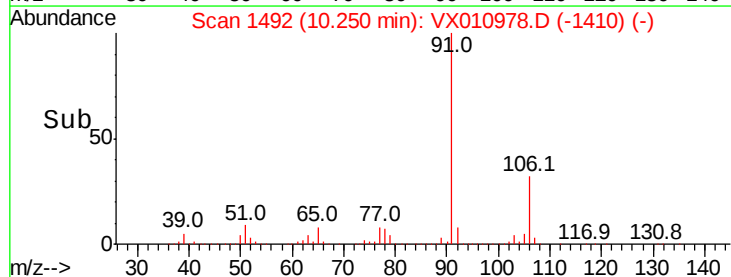
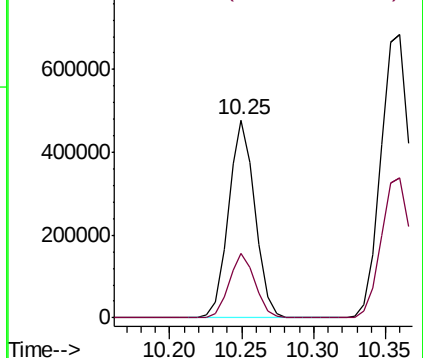
91 100

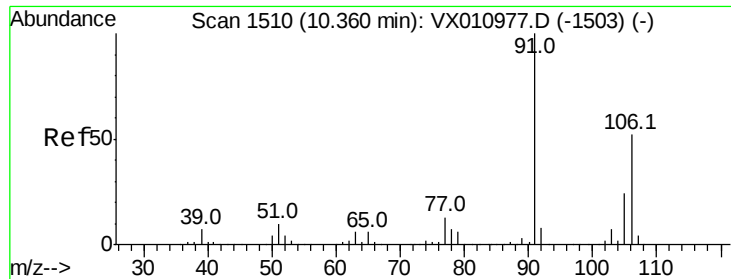
106 32.4 25.8 38.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





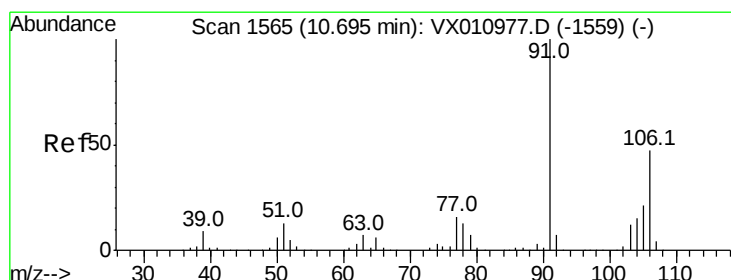
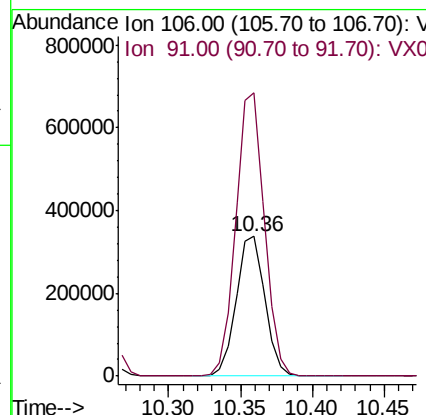
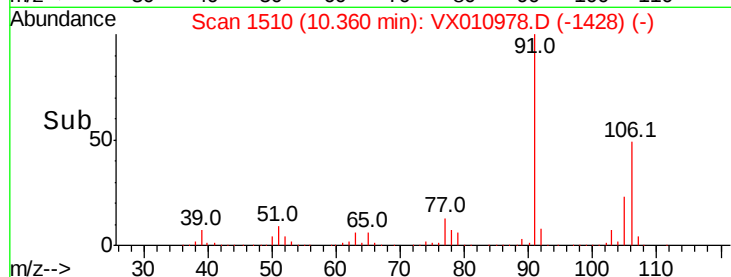
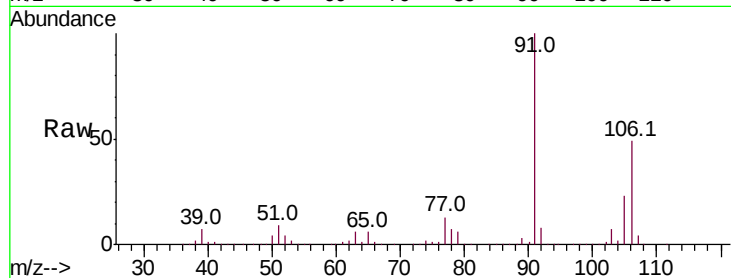
#67
m/p-Xvlenes
Concen: 103.791 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion:106 Resp: 469644
Ion Ratio Lower Upper
106 100
91 203.1 156.6 235.0

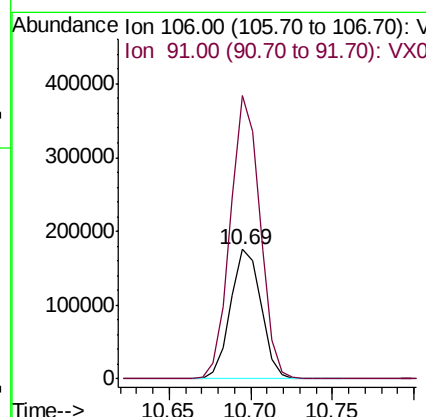
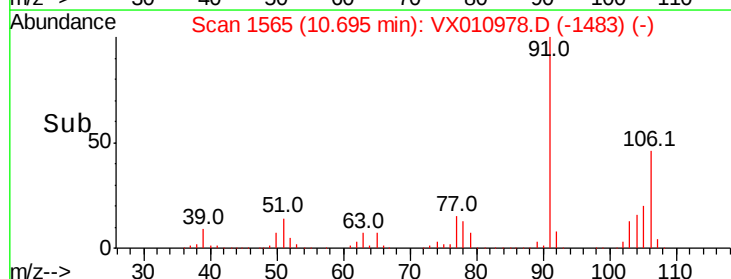
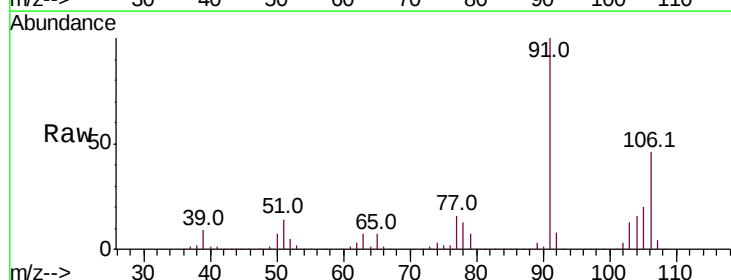
Manual Integrations
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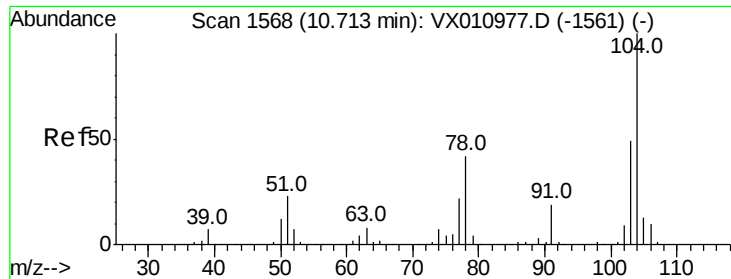
MMDadoda
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#68
o-Xylene
Concen: 51.399 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Tgt Ion:106 Resp: 228294
Ion Ratio Lower Upper
106 100
91 212.6 104.0 312.0





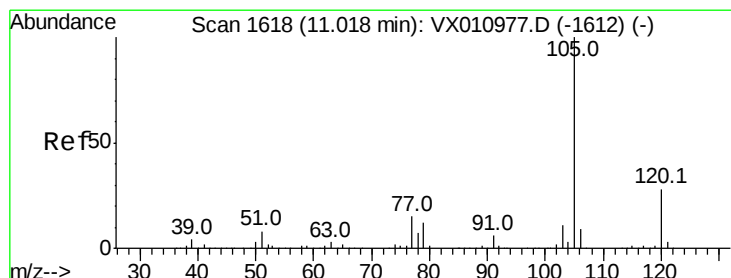
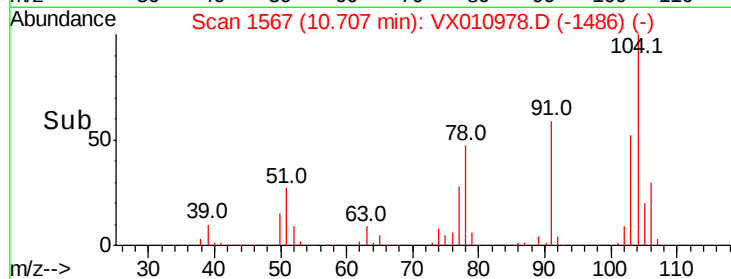
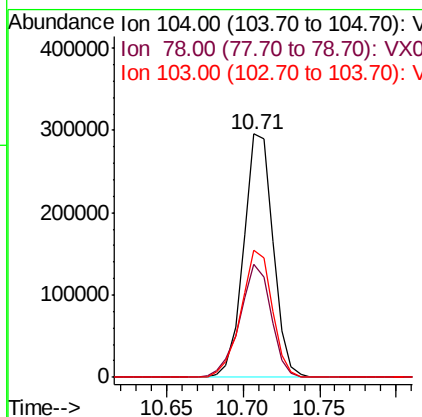
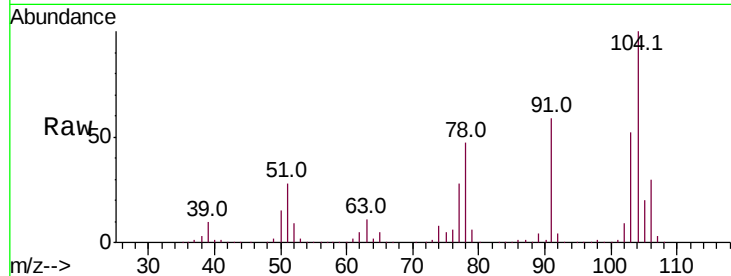
#69
Stvrene
Concen: 51.137 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.4	38.5	57.7
103	55.3	44.6	67.0

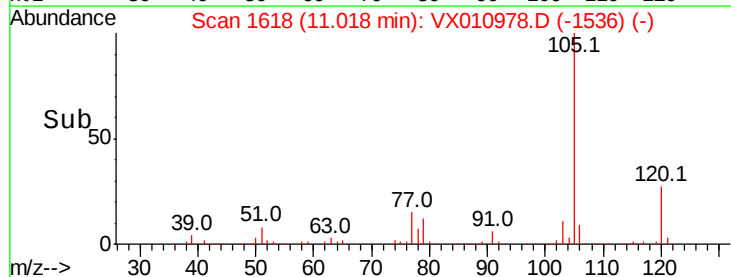
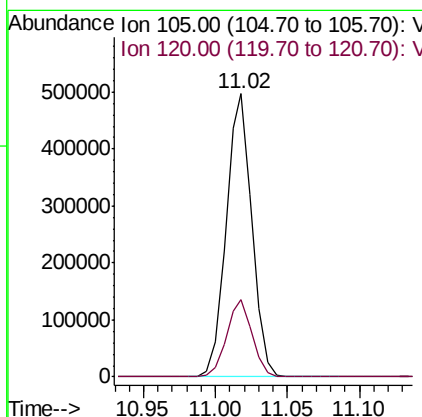
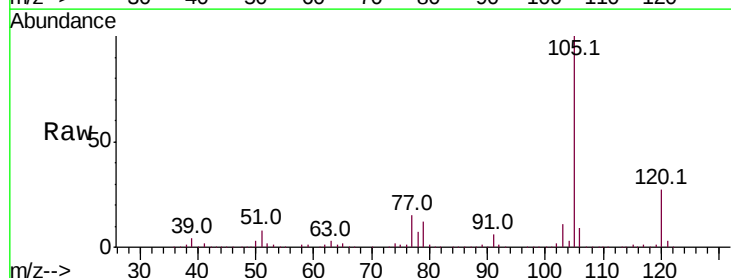
Manual Integrations
APPROVED

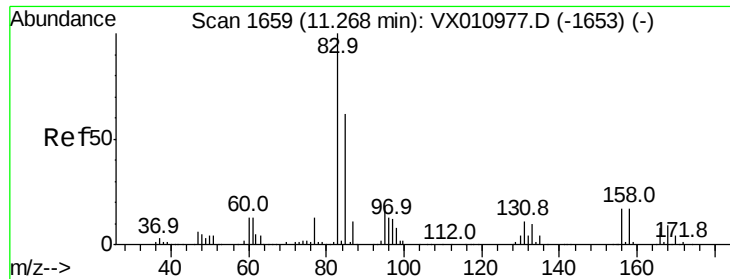
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#70
Isopropylbenzene
Concen: 52.452 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.1	19.4	36.0





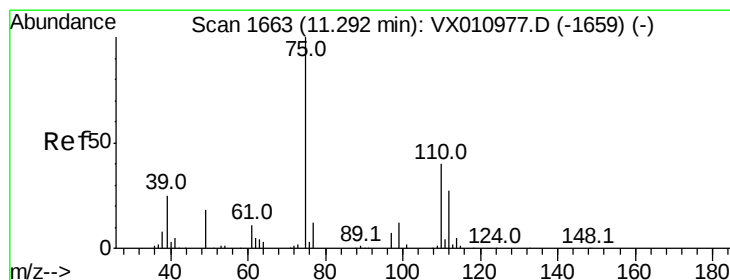
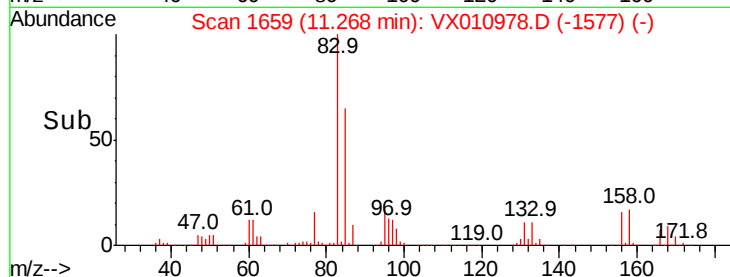
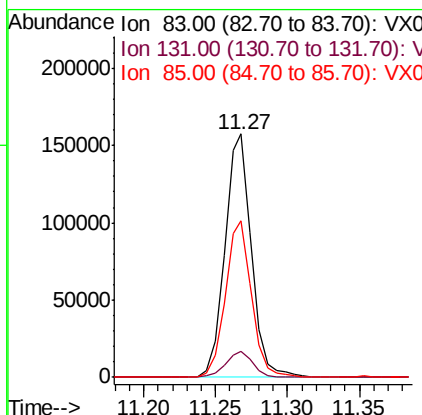
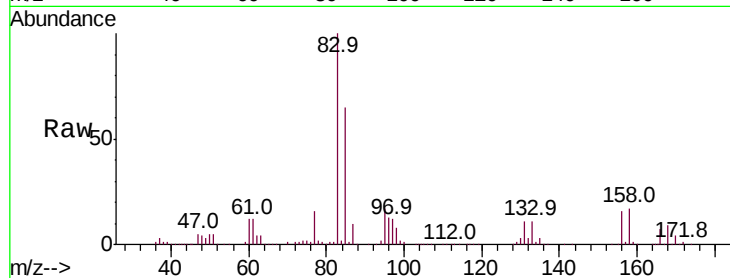
#71
 1,1,2,2-Tetrachloroethane
 Concen: 47.717 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VX010978.D
 Acq: 18 Jul 2019 23:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.5	16.4
85	63.8	32.1	96.3

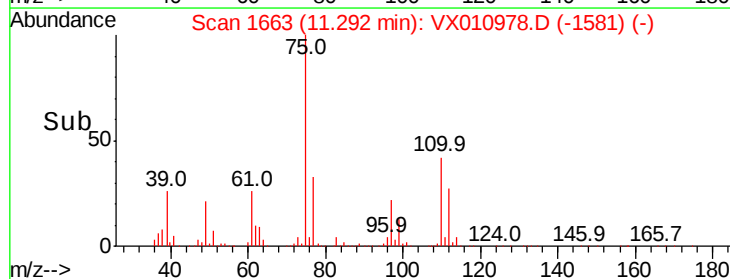
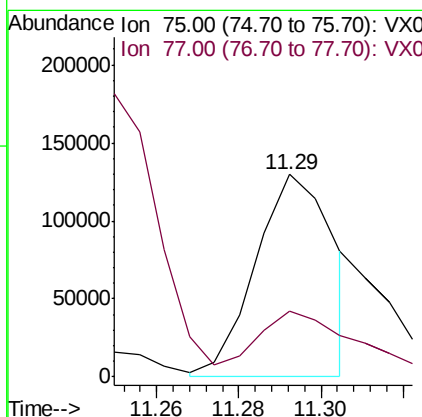
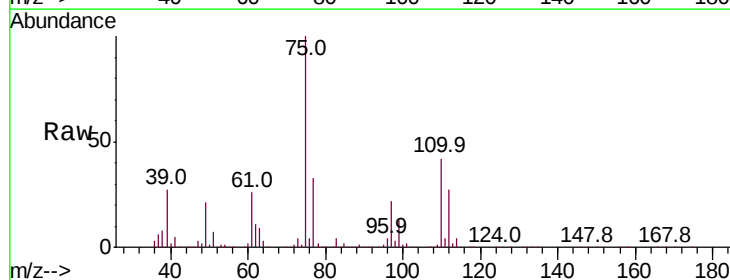
Manual Integrations
 APPROVED

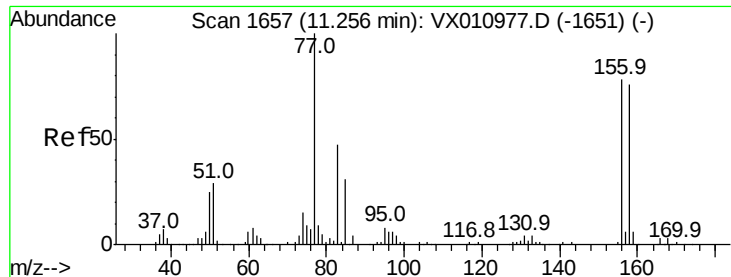
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 7/19/2019 9:56:31 AM



#72
 1,2,3-Trichloropropane
 Concen: 47.099 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: VX010978.D
 Acq: 18 Jul 2019 23:08

Tgt Ion	Ratio	Lower	Upper
75	100		
77	42.1	0.0	84.0





#73

Bromobenzene

Concen: 55.010 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

Instrument :

MSVOA_X

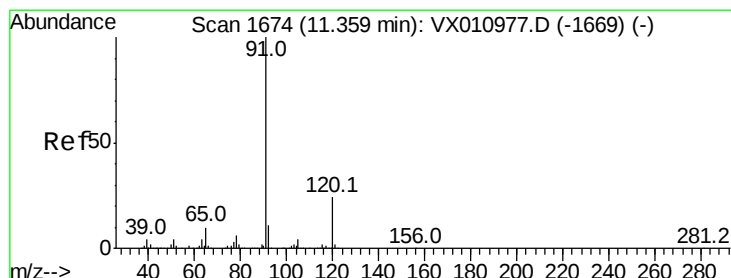
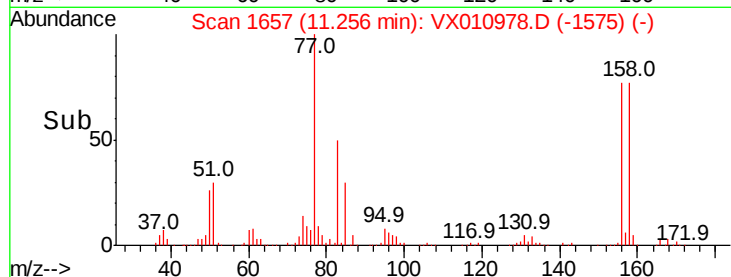
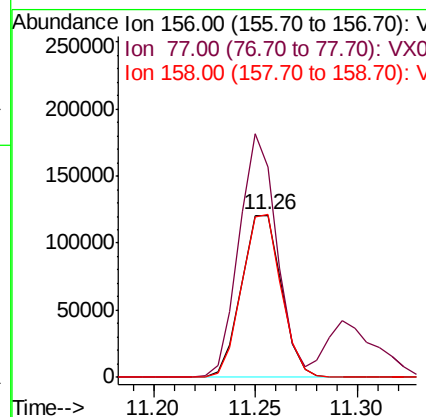
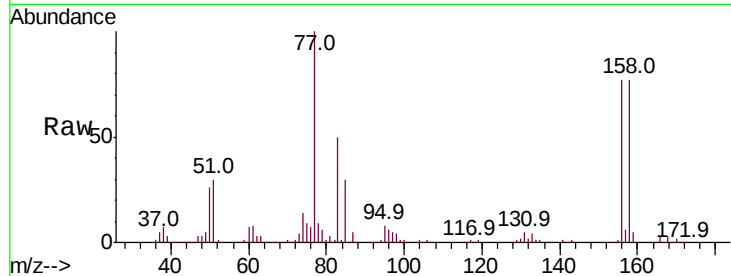
ClientSampleId :

VSTDIC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	141.5	0.0	275.8
158	99.1	0.0	195.2

Manual Integrations
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#74

n-propylbenzene

Concen: 51.281 ug/l

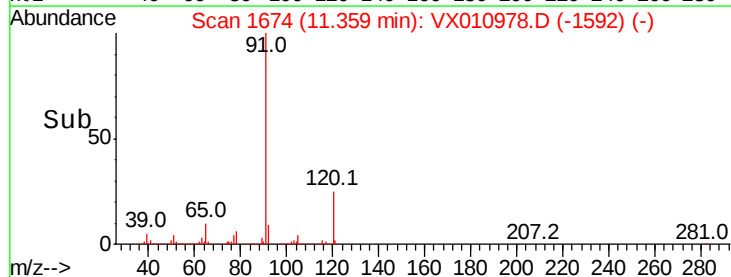
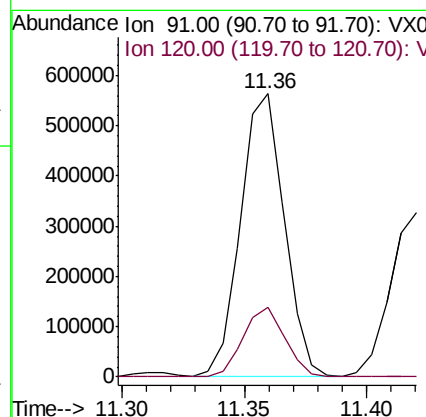
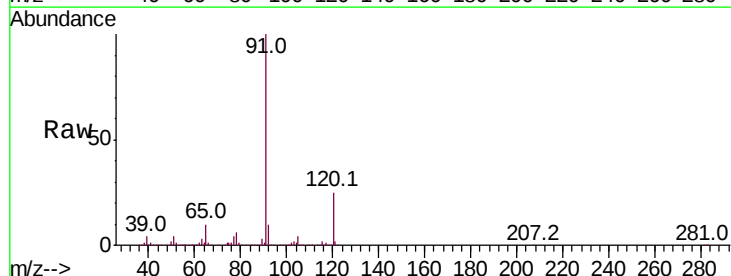
RT: 11.36 min Scan# 1674

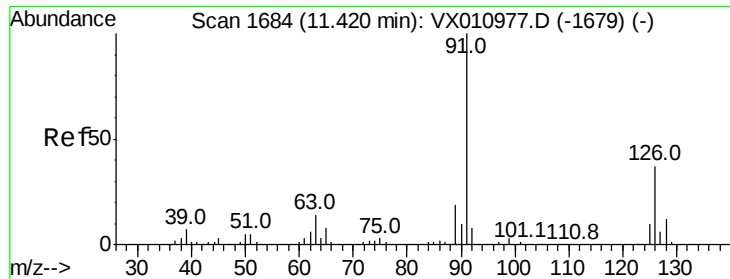
Delta R.T. -0.00 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.9	0.0	47.6





#75

2-Chlorotoluene

Concen: 50.039 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 91 Resp: 409400

Ion Ratio Lower Upper

91 100

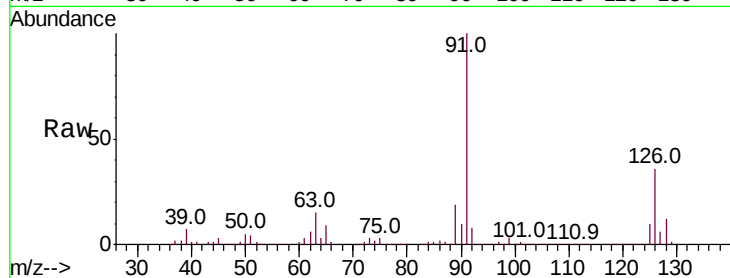
126 35.9 0.0 72.4

Manual Integrations

APPROVED

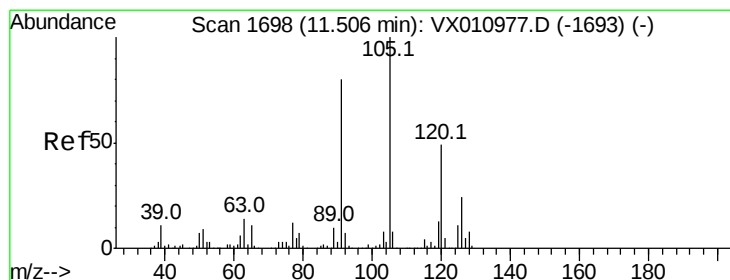
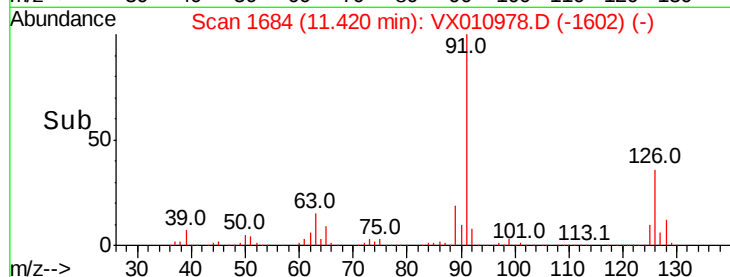
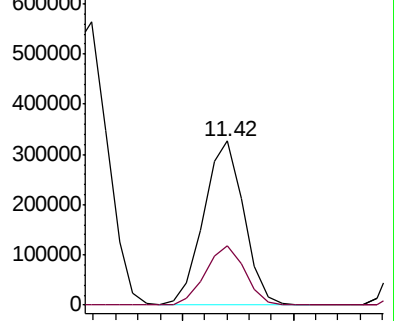
MMDadoda

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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: 52.521 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010978.D

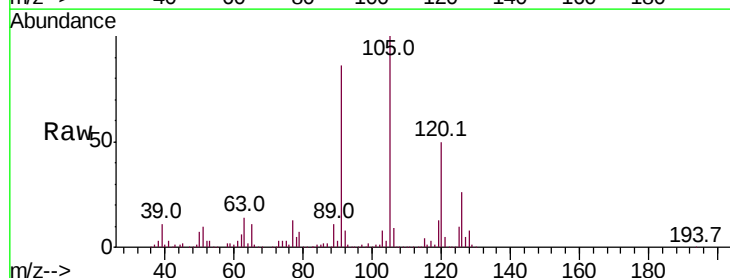
Acq: 18 Jul 2019 23:08

Tgt Ion: 105 Resp: 528973

Ion Ratio Lower Upper

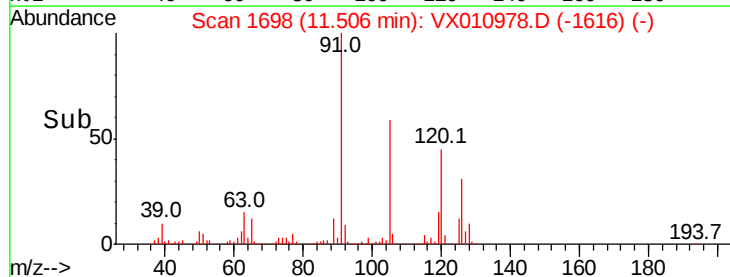
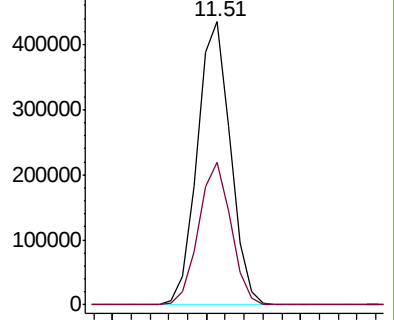
105 100

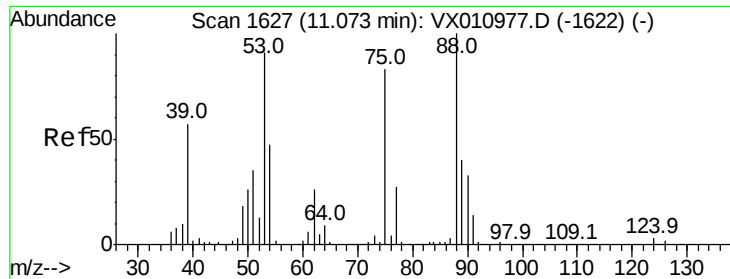
120 49.2 0.0 96.6



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: 41.827 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

Instrument :

MSVOA_X

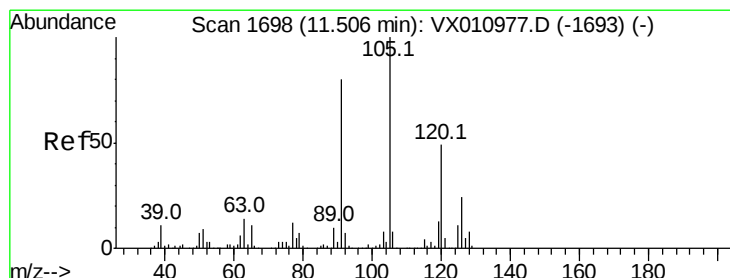
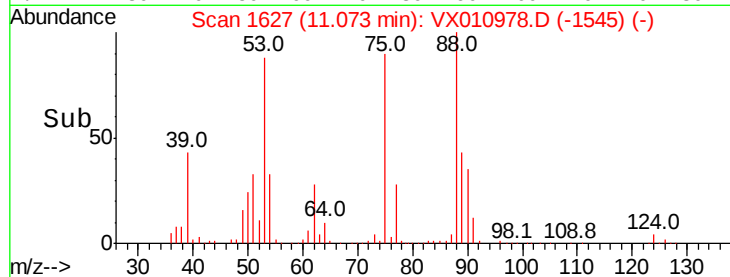
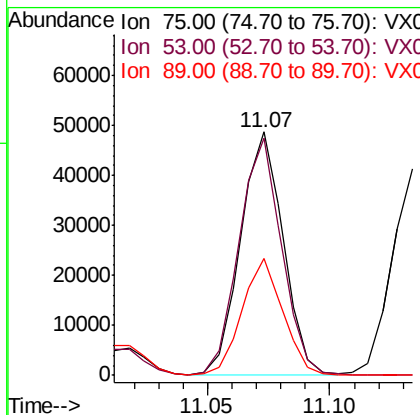
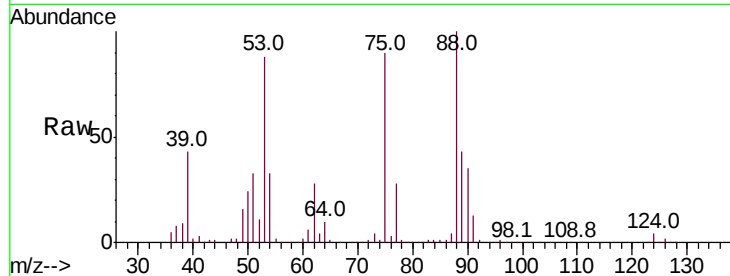
ClientSampleId :

VSTDIC050

Tot Ion:	75	Resp:	59081
Ion	Ratio	Lower	Upper
75	100		
53	97.8	54.8	164.3
89	47.9	24.6	73.6

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#78

4-Chlorotoluene

Concen: 51.285 ug/l

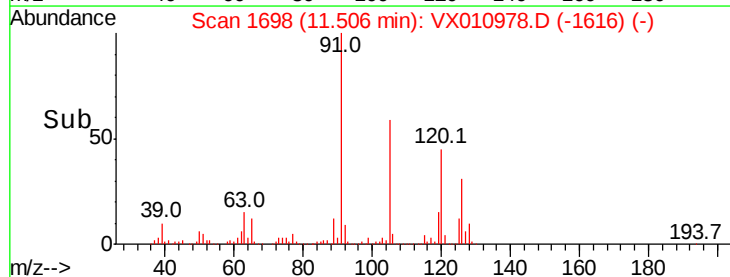
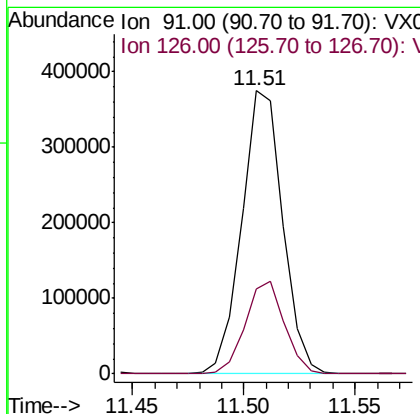
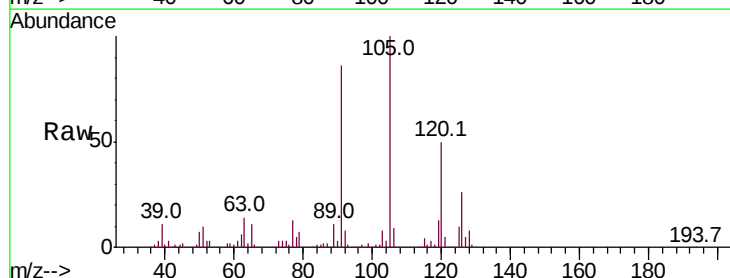
RT: 11.51 min Scan# 1698

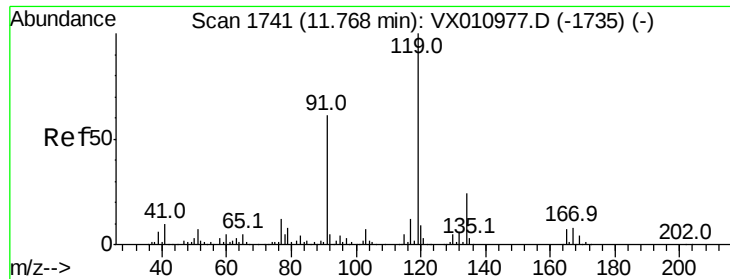
Delta R.T. -0.00 min

Lab File: VX010978.D

Acq: 18 Jul 2019 23:08

Tgt Ion:	91	Resp:	478036
Ion	Ratio	Lower	Upper
91	100		
126	31.6	0.0	63.6





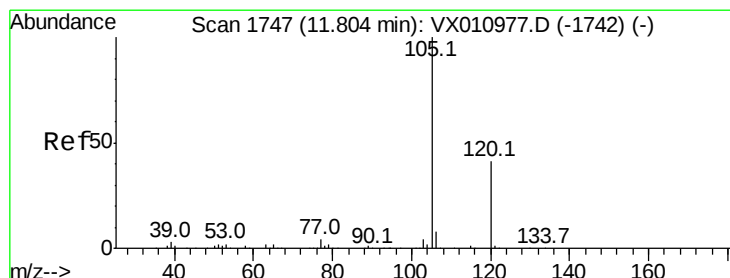
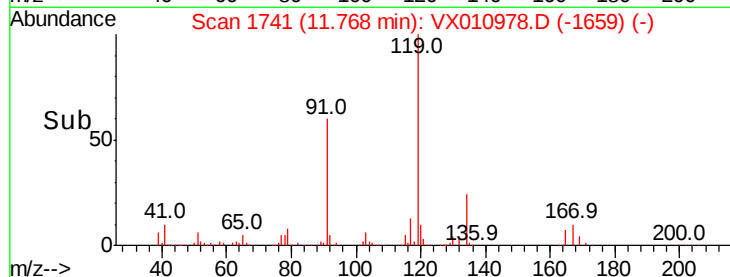
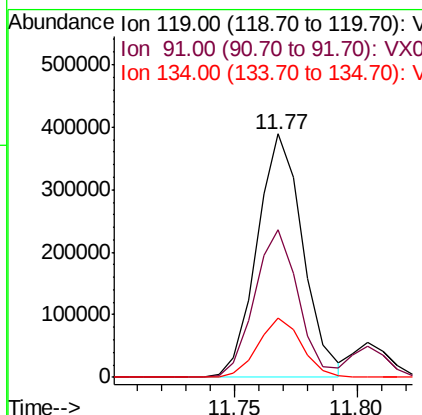
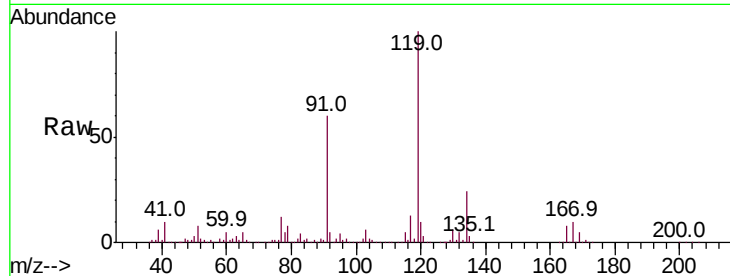
#79
tert-butylbenzene
Concen: 52.591 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	510956		
91	58.3		0.0	118.4
134	23.3		0.0	47.4

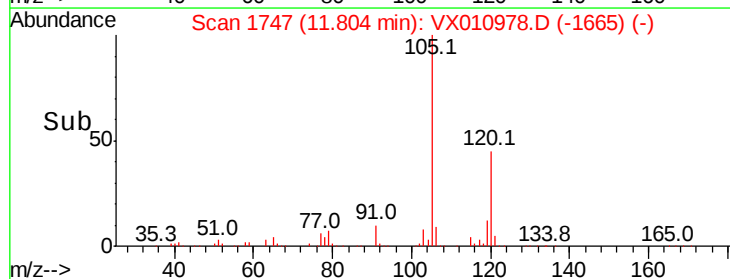
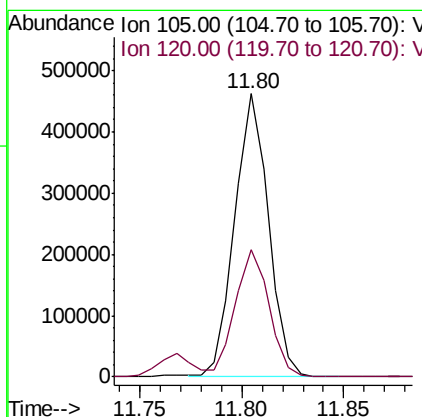
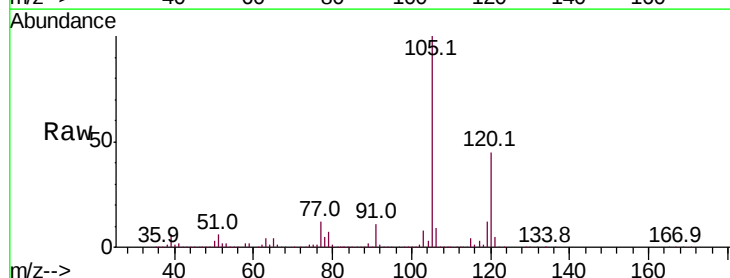
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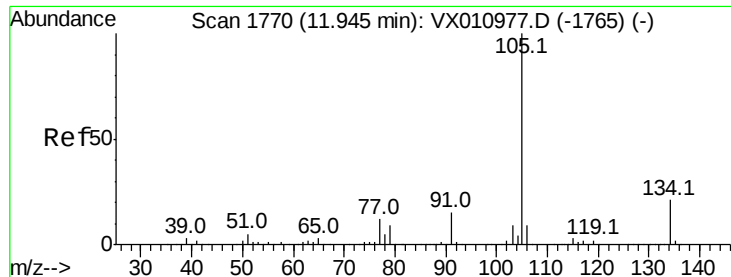
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7/19/2019 9:56:31 AM



#80
1,2,4-Trimethylbenzene
Concen: 52.449 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	530004		
120	45.5		0.0	91.6





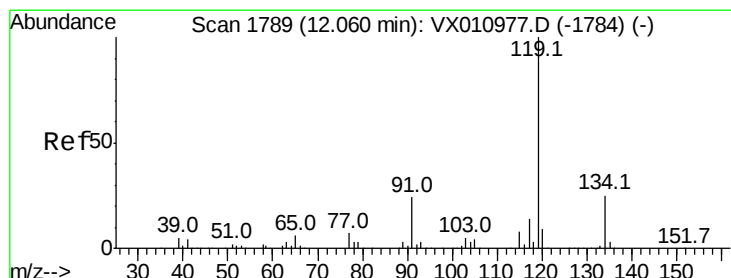
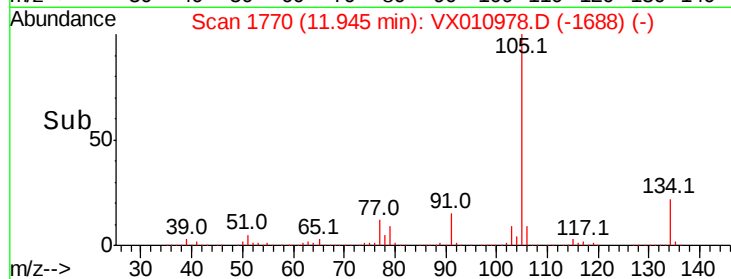
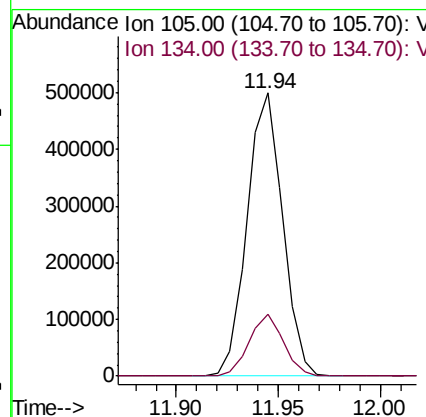
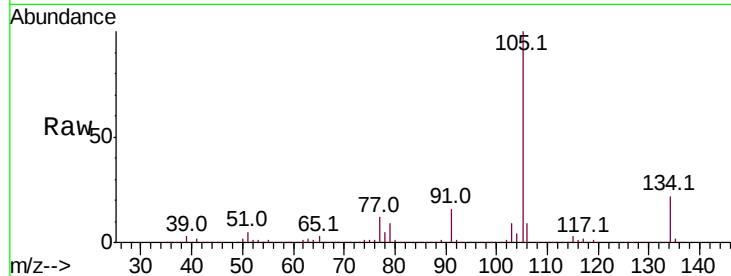
#81
 sec-Butylbenzene
 Concen: 52.415 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX010978.D
 Acq: 18 Jul 2019 23:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.0	0.0	41.8

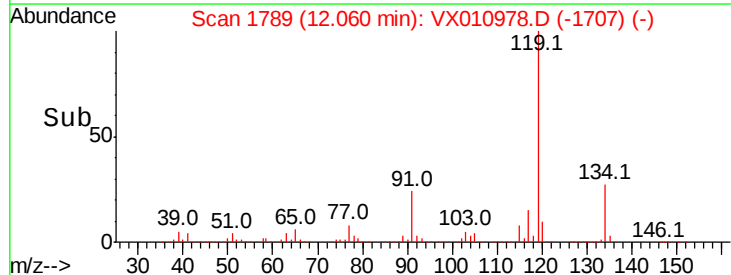
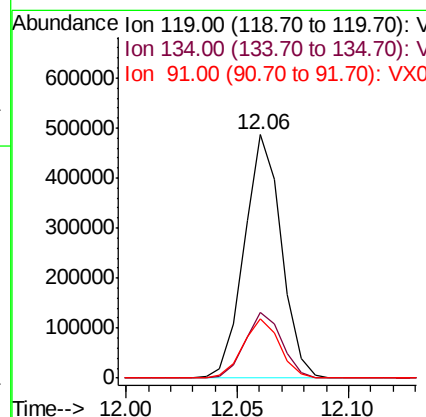
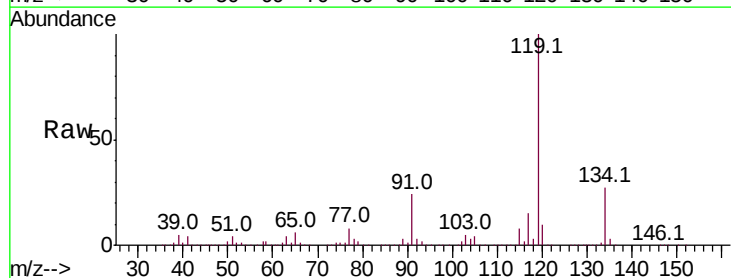
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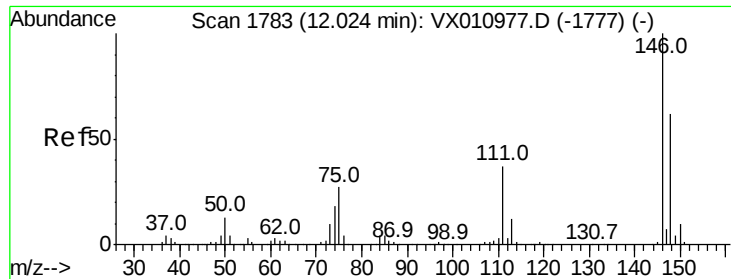
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 7/19/2019 9:56:31 AM



#82
 p-Isopropyltoluene
 Concen: 53.304 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX010978.D
 Acq: 18 Jul 2019 23:08

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	0.0	52.8
91	24.0	0.0	47.0





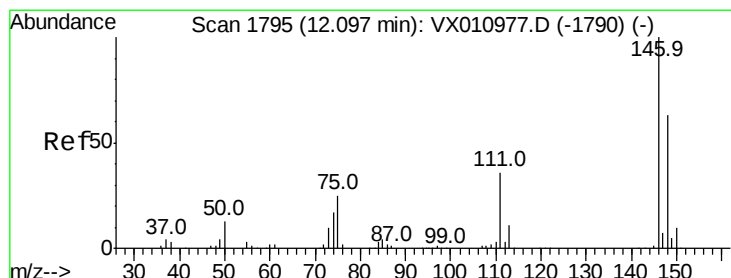
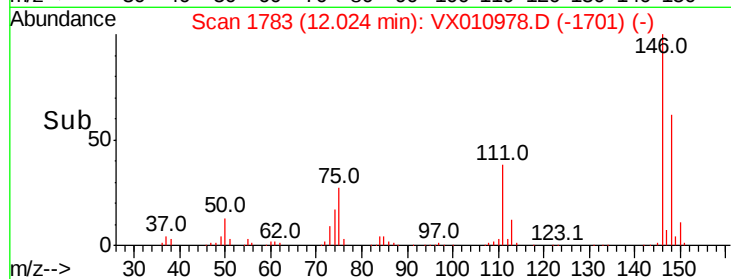
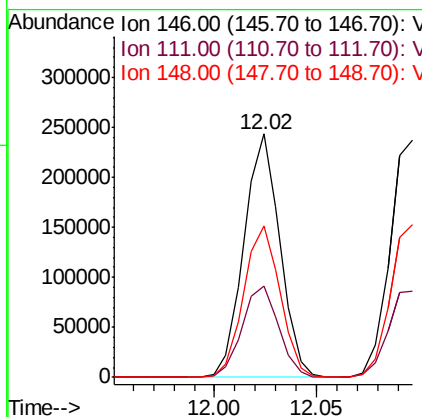
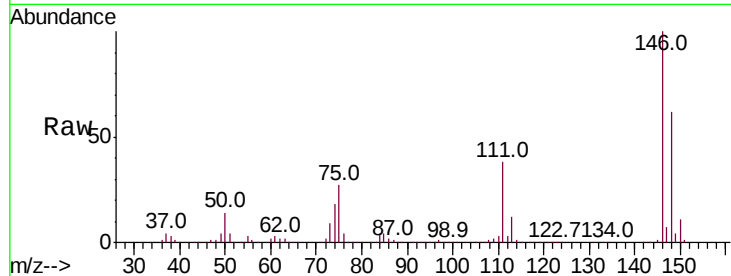
#83
 1,3-Dichlorobenzene
 Concen: 55.859 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX010978.D
 Acq: 18 Jul 2019 23:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.9	56.9
148	62.8	31.4	94.0

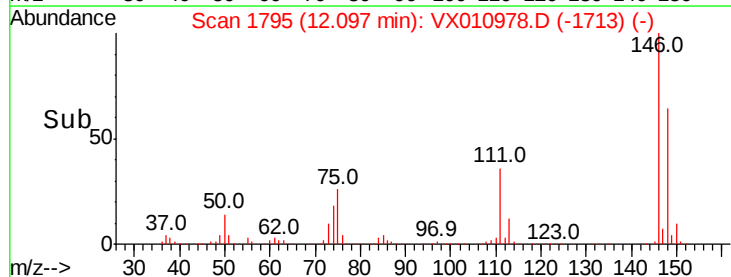
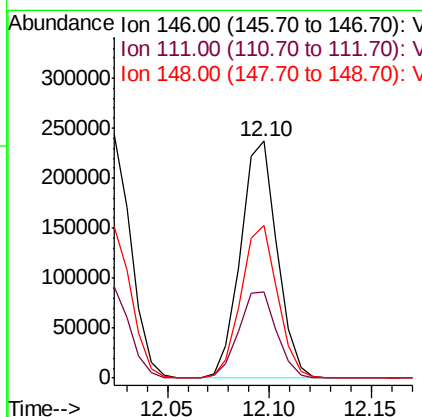
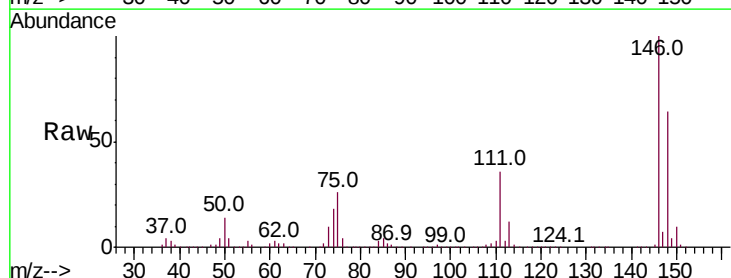
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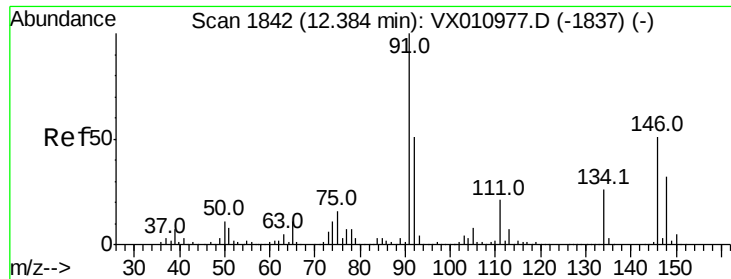
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#84
 1,4-Dichlorobenzene
 Concen: 55.326 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX010978.D
 Acq: 18 Jul 2019 23:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.5	55.5
148	64.0	32.0	96.0





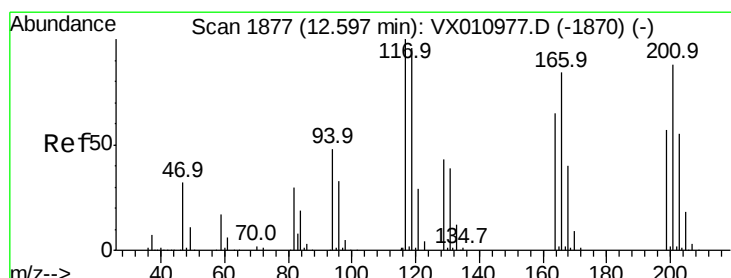
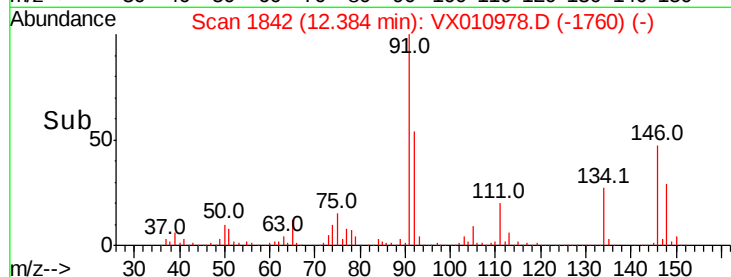
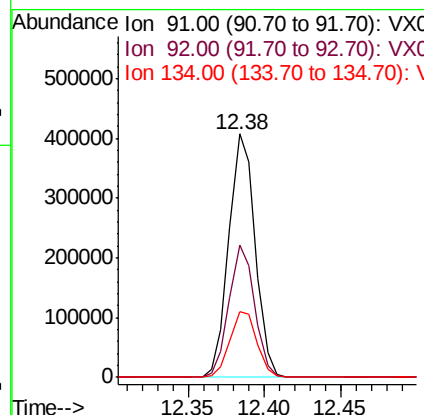
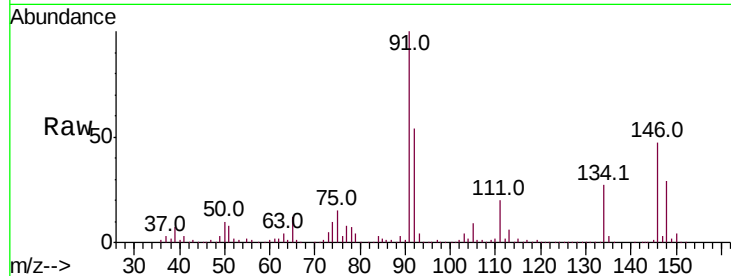
#85
n-Butylbenzene
Concen: 50.989 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	0.0	103.6
134	27.4	0.0	54.2

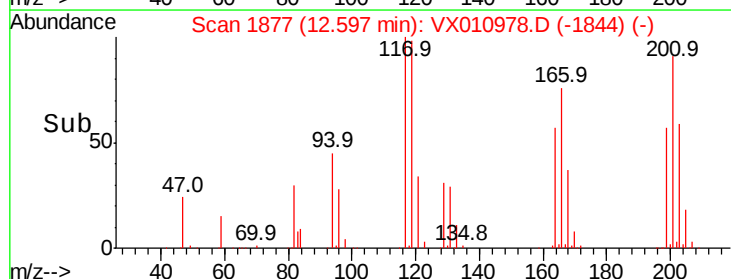
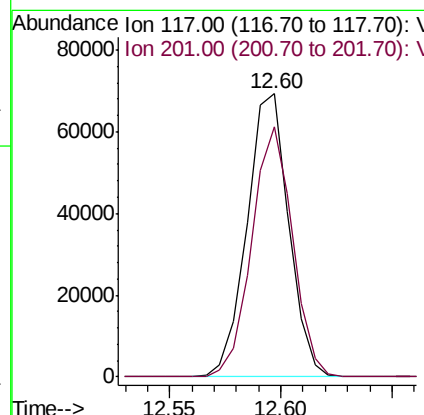
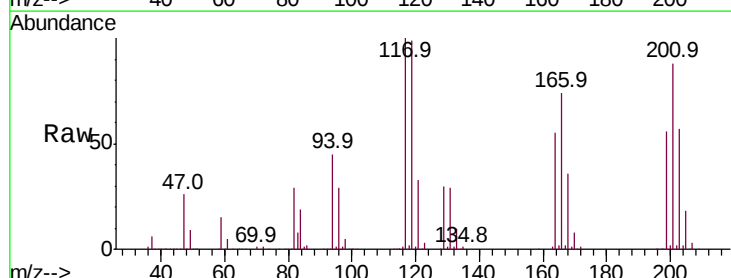
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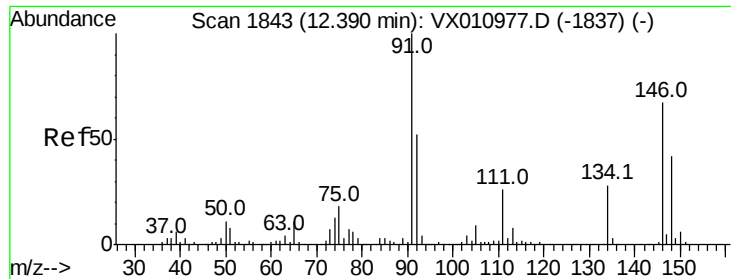
MMDadoda
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#86
Hexachloroethane
Concen: 52.339 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.9	42.1	126.3





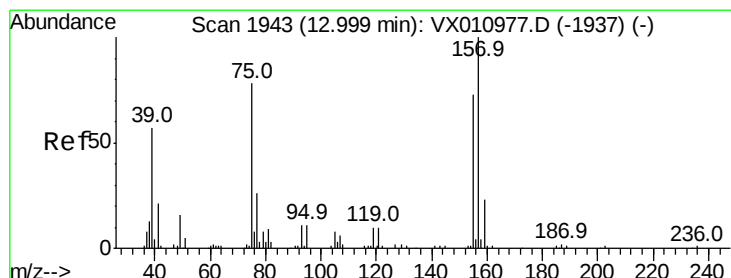
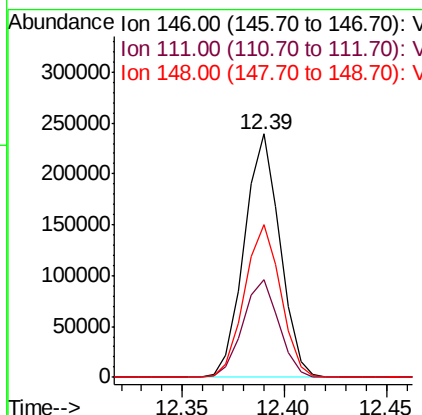
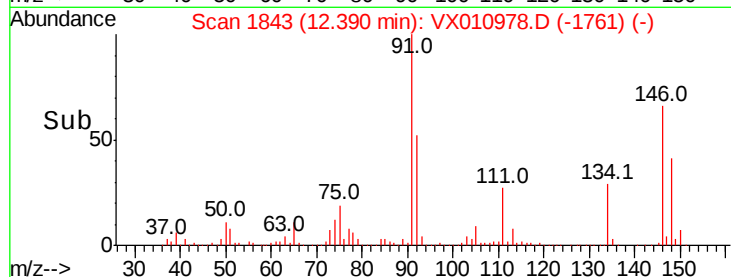
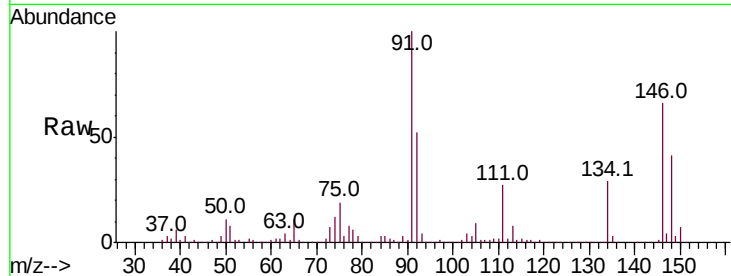
#87
 1,2-Dichlorobenzene
 Concen: 54.143 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX010978.D
 Acq: 18 Jul 2019 23:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.5	58.5
148	63.7	31.5	94.5

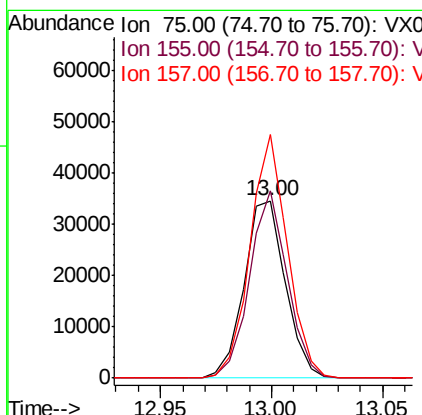
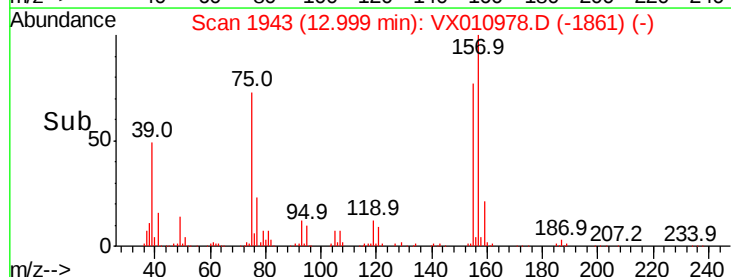
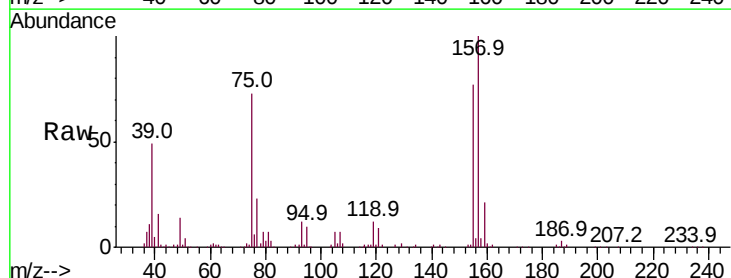
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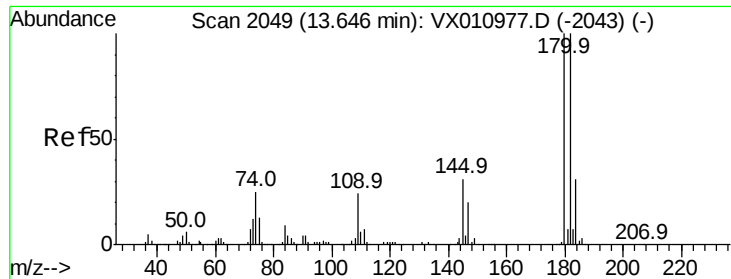
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 45.756 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX010978.D
 Acq: 18 Jul 2019 23:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.7	76.6	115.0
157	123.9	101.0	151.4





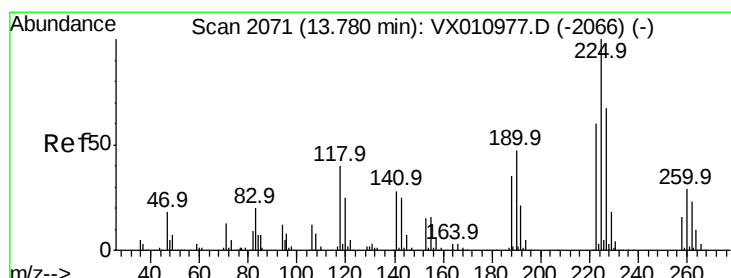
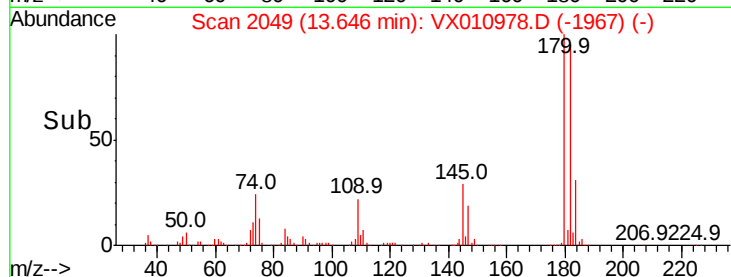
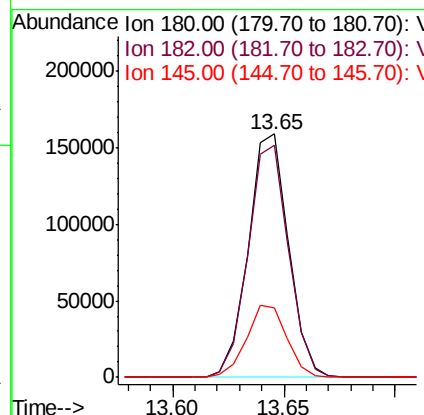
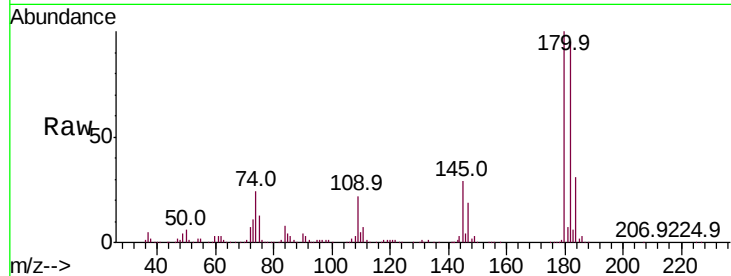
#89
 1,2,4-Trichlorobenzene
 Concen: 53.010 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010978.D
 Acq: 18 Jul 2019 23:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	201306		
182	95.9	77.6	116.4	
145	29.8	23.8	35.6	

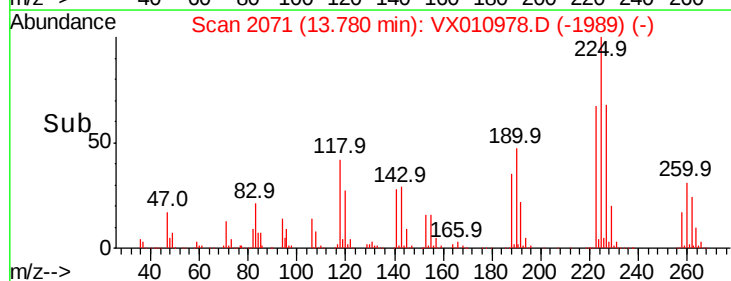
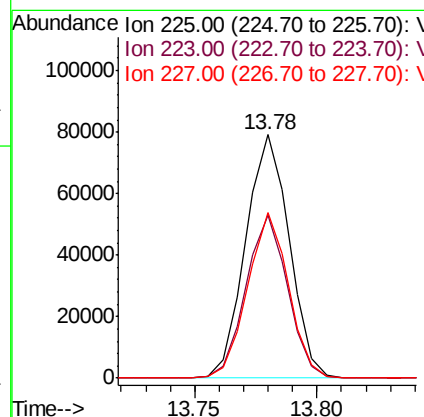
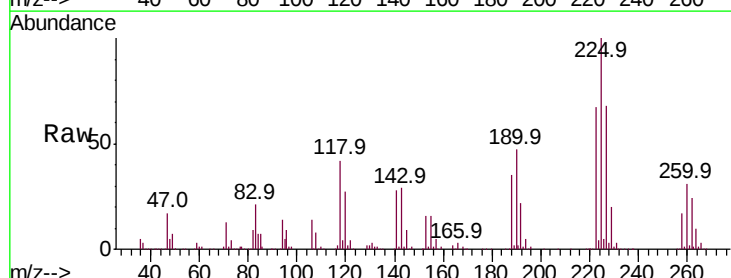
Manual Integrations
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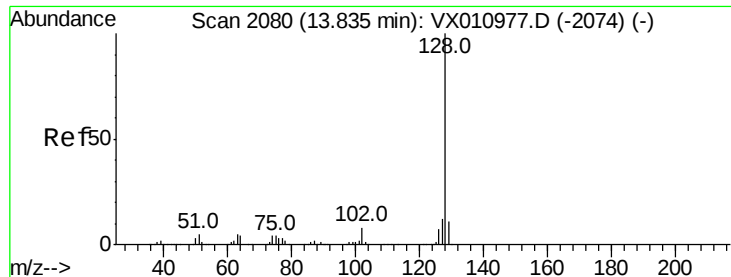
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 7/19/2019 9:56:31 AM



#90
 Hexachlorobutadiene
 Concen: 51.967 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX010978.D
 Acq: 18 Jul 2019 23:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	98042		
223	64.1	0.0	121.4	
227	64.1	0.0	126.6	





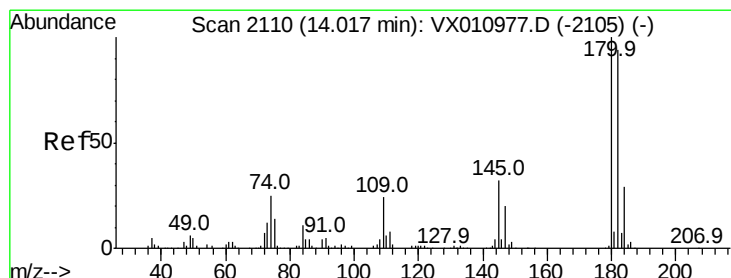
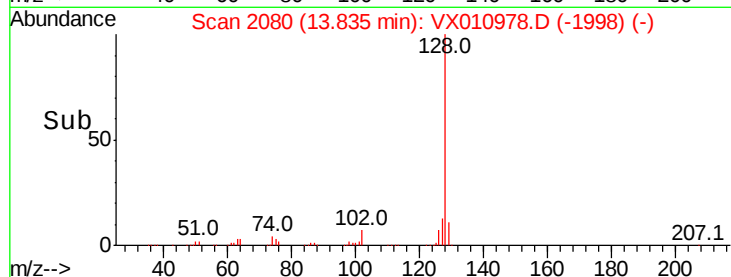
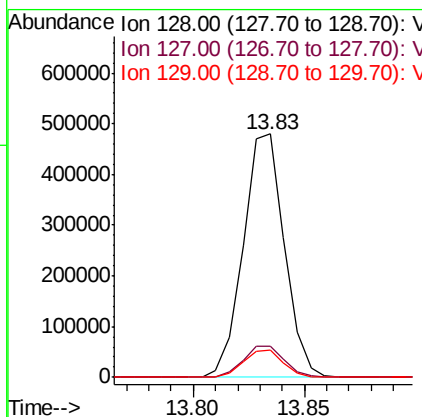
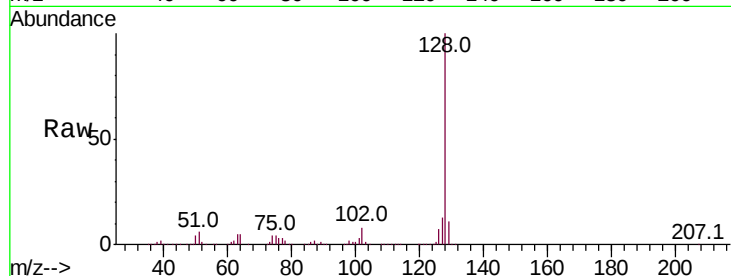
#91
Naphthalene
Concen: 50.452 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

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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7/19/2019 9:56:31 AM



#92
1,2,3-Trichlorobenzene
Concen: 52.272 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX010978.D
Acq: 18 Jul 2019 23:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	0.0	190.2
145	31.2	0.0	63.8

