

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072419\
 Data File : VX011058.D
 Acq On : 24 Jul 2019 13:42
 Operator : JC/SP
 Sample : VX0724WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0724WBS01

Manual Integrations
 APPROVED

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7/25/2019 3:54:50 PM

Quant Time: Jul 25 03:37:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 19 03:27:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	36654	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	203026	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	182572	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	72536	29.19	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.30%
60) 4-Bromofluorobenzene	11.13	95	88597	29.48	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.27%
63) Toluene-d8	8.71	98	242651	30.24	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	46946	19.373	ug/l 99
3) Chloromethane	1.33	50	38384	18.013	ug/l 99
4) Vinyl Chloride	1.41	62	41257	18.566	ug/l 97
5) Bromomethane	1.64	94	26250	21.459	ug/l 100
6) Chloroethane	1.73	64	24938	18.969	ug/l 92
7) Trichlorofluoromethane	1.93	101	70981	19.233	ug/l 94
8) Diethyl Ether	2.19	74	23492	19.383	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	40493	19.852	ug/l 98
10) 1,1-Dichloroethene	2.37	96	39151	19.099	ug/l 99
11) Methyl Iodide	2.51	142	47448	17.236	ug/l 99
12) Methyl Acetate	2.78	43	57185	19.862	ug/l 98
13) Acrolein	2.29	56	31958	92.576	ug/l 98
14) Acrylonitrile	3.14	53	112561	99.891	ug/l 99
15) Acetone	2.45	58	36189	115.332	ug/l 91
16) Carbon Disulfide	2.57	76	83486	15.850	ug/l 98
17) Allyl chloride	2.73	41	57900	19.510	ug/l 98
18) Methylene Chloride	2.85	84	43876	19.222	ug/l 98
19) trans-1,2-Dichloroethene	3.17	96	39935	18.441	ug/l 100
20) Diisopropyl ether	3.85	45	122109	19.491	ug/l 99
21) 1,1-Dichloroethane	3.70	63	70050	19.429	ug/l 99
22) cis-1,2-Dichloroethene	4.60	96	47301	18.992	ug/l 96
23) tert-Butyl Alcohol	3.04	59	54109	91.970	ug/l 100
24) Methyl tert-Butyl Ether	3.20	73	128412	19.514	ug/l 99
25) Chloroform	5.21	83	76244	19.308	ug/l 100
26) Cyclohexane	5.58	56	59023	17.890	ug/l # 96
29) 1,1-Dichloropropene	5.80	75	53226	18.642	ug/l 98
30) 2-Butanone	4.67	43	158479	102.829	ug/l 99
31) 2,2-Dichloropropane	4.58	77	57282	22.984	ug/l 97
32) 1,1,1-Trichloroethane	5.50	97	67092	19.486	ug/l 99
33) Carbon Tetrachloride	5.78	117	57263	19.128	ug/l 98
34) Benzene	6.15	78	165429	19.315	ug/l 100
35) Methacrylonitrile	5.04	41	30721	19.148	ug/l 97
36) 1,2-Dichloroethane	6.20	62	59300	19.364	ug/l 98
37) Trichloroethene	7.21	130	49074	19.572	ug/l 96
38) Methylcyclohexane	7.46	83	66495	18.454	ug/l 99
39) 1,2-Dichloropropane	7.51	63	41551	19.409	ug/l 99
40) Dibromomethane	7.66	93	29933	19.011	ug/l 99

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 VX0724WBS01

Manual Integrations
 APPROVED

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Quant Time: Jul 25 03:37:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 19 03:27:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	55210	19.265	ug/l	99
42) Vinyl Acetate	3.81	43	494940	97.474	ug/l	100
43) Ethyl Acetate	4.84	43	57948	19.588	ug/l	100
44) Isopropyl Acetate	6.44	43	92338	19.163	ug/l	100
45) 1,4-Dioxane	7.74	88	25370	404.512	ug/l	97
46) Methyl methacrylate	7.77	41	44682	19.104	ug/l	96
47) n-amyl Acetate	10.90	43	81797	18.927	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	56969	18.862	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	64316	19.513	ug/l	100
50) 1,1,2-Trichloroethane	9.21	97	46610	20.227	ug/l	97
51) Ethyl methacrylate	9.18	69	67279	18.878	ug/l	97
52) 1,3-Dichloropropane	9.37	76	73025	19.721	ug/l	100
53) Dibromochloromethane	9.58	129	46096	18.523	ug/l	97
54) 1,2-Dibromoethane	9.67	107	49718	19.854	ug/l	96
55) 2-Chloroethyl vinyl ether	8.31	63	146505	97.076	ug/l	99
56) Bromoform	10.85	173	33731	18.199	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	308071	99.915	ug/l	99
59) 2-Hexanone	9.49	43	241240	102.247	ug/l	100
61) Tetrachloroethene	9.34	164	48006	19.915	ug/l	96
62) Toluene	8.78	91	189555	19.544	ug/l	100
64) Chlorobenzene	10.13	112	122178	19.662	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	44336	19.631	ug/l	99
66) Ethyl Benzene	10.25	91	209168	19.157	ug/l	99
67) m/p-Xylenes	10.36	106	163889	39.232	ug/l	99
68) o-Xylene	10.69	106	78806	19.253	ug/l	98
69) Styrene	10.71	104	134216	19.508	ug/l	99
70) Isopropylbenzene	11.02	105	215431	19.765	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	69388	19.743	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	58887m	20.074	ug/l	
73) Bromobenzene	11.25	156	56675	19.272	ug/l	98
74) n-propylbenzene	11.36	91	241000	19.646	ug/l	100
75) 2-Chlorotoluene	11.42	91	142044	19.442	ug/l	100
76) 1,3,5-Trimethylbenzene	11.51	105	180953	19.614	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	19598	20.248	ug/l	95
78) 4-Chlorotoluene	11.51	91	165242	19.693	ug/l	99
79) tert-butylbenzene	11.77	119	178584	19.956	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	179466	19.317	ug/l	99
81) sec-Butylbenzene	11.94	105	212003	20.098	ug/l	99
82) p-Isopropyltoluene	12.06	119	192765	19.693	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	100990	19.452	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	100701	19.515	ug/l	100
85) n-Butylbenzene	12.38	91	163492	19.615	ug/l	100
86) Hexachloroethane	12.59	117	28852	18.689	ug/l	98
87) 1,2-Dichlorobenzene	12.39	146	101356	19.940	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.99	75	15420	19.930	ug/l	97
89) 1,2,4-Trichlorobenzene	13.65	180	68741	19.607	ug/l	99
90) Hexachlorobutadiene	13.78	225	34804	20.532	ug/l	100
91) Naphthalene	13.83	128	213152	19.925	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	72529	20.640	ug/l	97

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Instrument :
MSVOA_X
ClientSampleId :
VX0724WBS01

Manual Integrations
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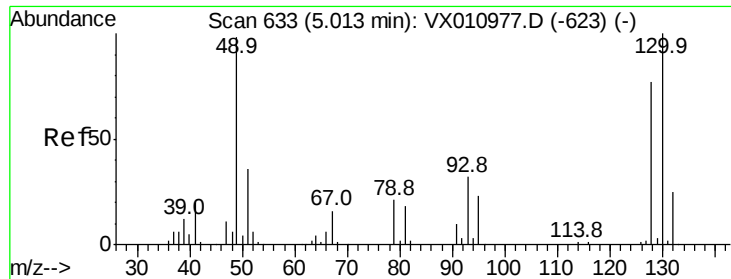
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Quant Time: Jul 25 03:37:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071919W.M
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QLast Update : Fri Jul 19 03:27:28 2019
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Internal 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: 5.01 min Scan# 633

Delta R.T. -0.00 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

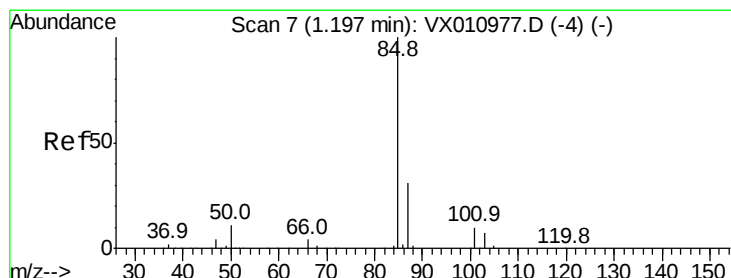
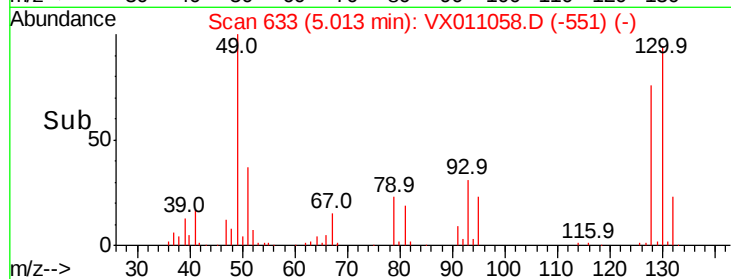
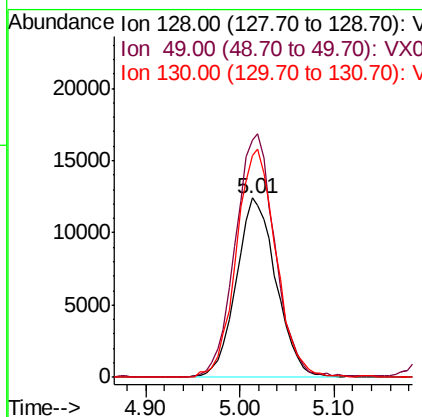
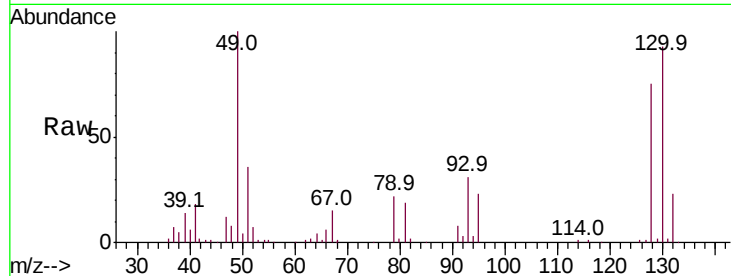
VX0724WBS01

Tot Ion:	128	Resp:	36654
Ion	Ratio	Lower	Upper
128	100		
49	135.3	0.0	343.5
130	127.2	0.0	324.7

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#2

Dichlorodifluoromethane

Concen: 19.373 ug/l

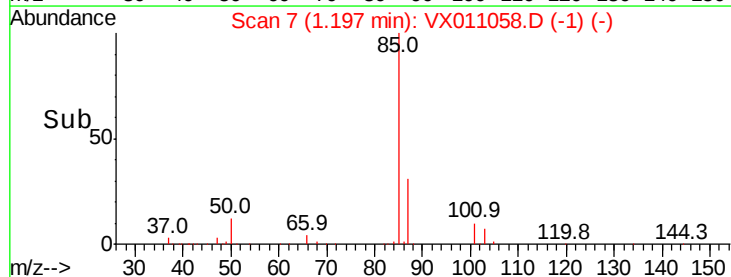
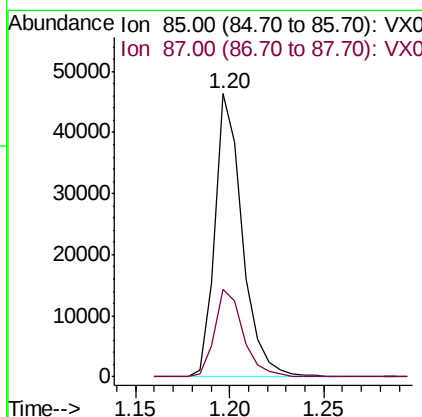
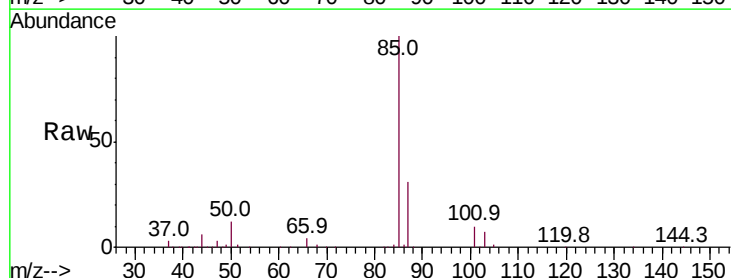
RT: 1.20 min Scan# 7

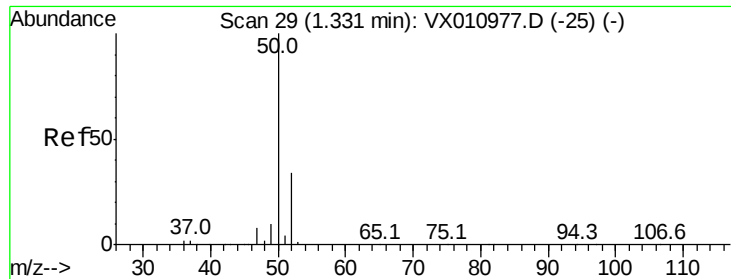
Delta R.T. -0.00 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

Tgt Ion:	85	Resp:	46946
Ion	Ratio	Lower	Upper
85	100		
87	31.1	15.4	46.1





#3

Chloromethane

Concen: 18.013 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

VX0724WBS01

Tot Ion: 50 Resp: 38384

Ion Ratio Lower Upper

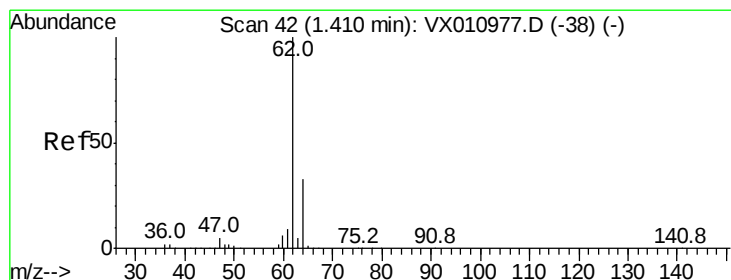
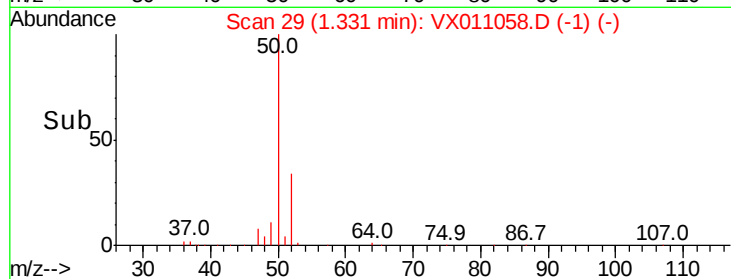
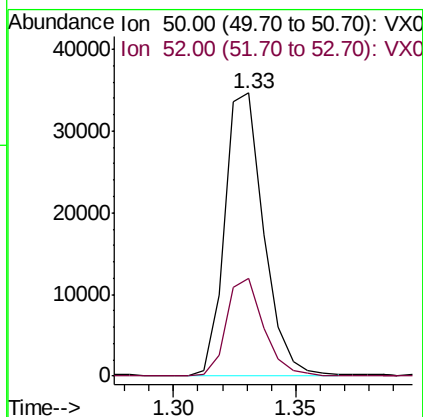
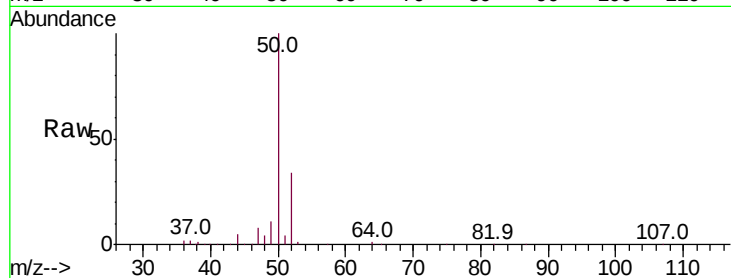
50 100

52 34.5 27.3 40.9

Manual Integrations
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#4

Vinyl Chloride

Concen: 18.566 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX011058.D

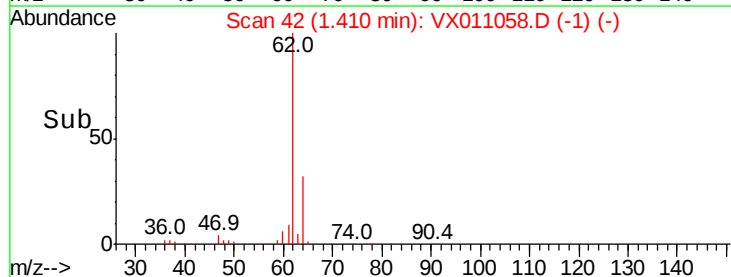
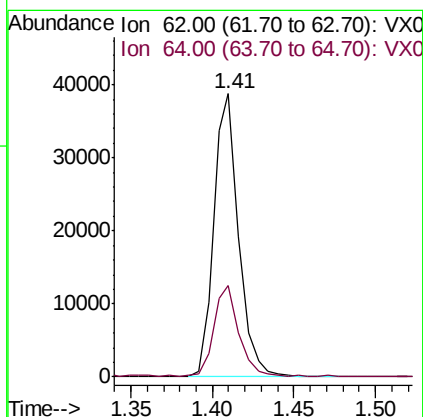
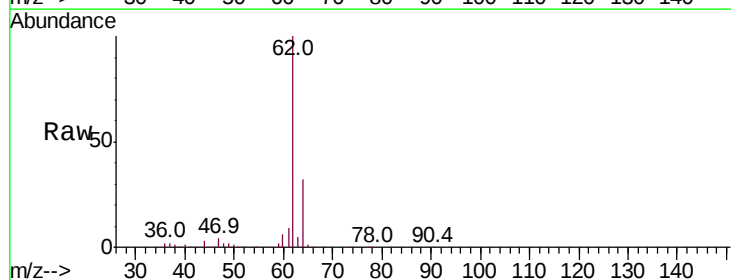
Acq: 24 Jul 2019 13:42

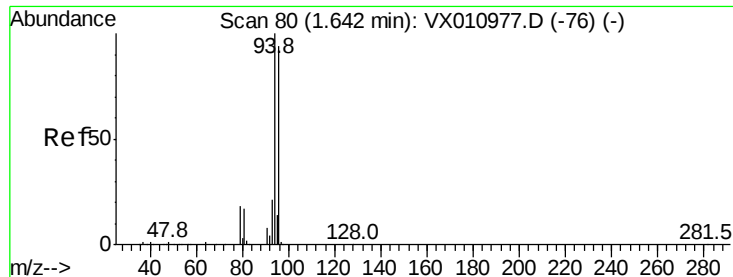
Tgt Ion: 62 Resp: 41257

Ion Ratio Lower Upper

62 100

64 31.9 26.8 40.2





#5

Bromomethane

Concen: 21.459 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

Instrument :

MSVOA_X

ClientSampled :

VX0724WBS01

Tot Ion: 94 Resp: 26250

Ion Ratio Lower Upper

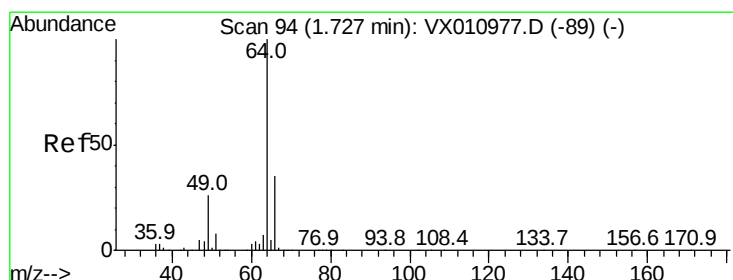
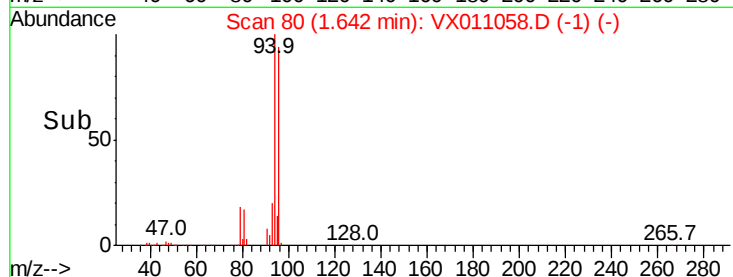
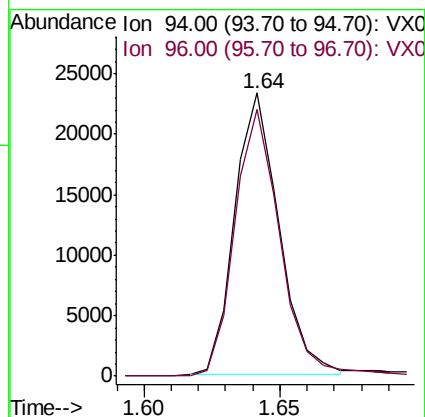
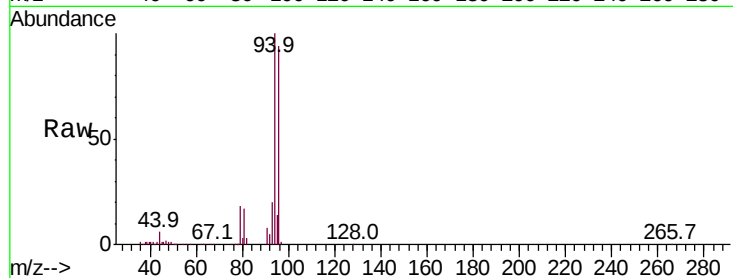
94 100

96 94.1 75.4 113.2

Manual Integrations
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#6

Chloroethane

Concen: 18.969 ug/l

RT: 1.73 min Scan# 94

Delta R.T. -0.00 min

Lab File: VX011058.D

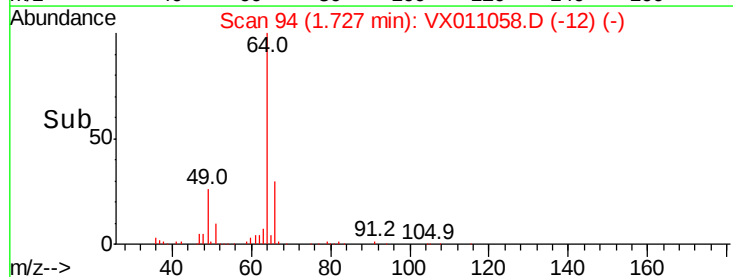
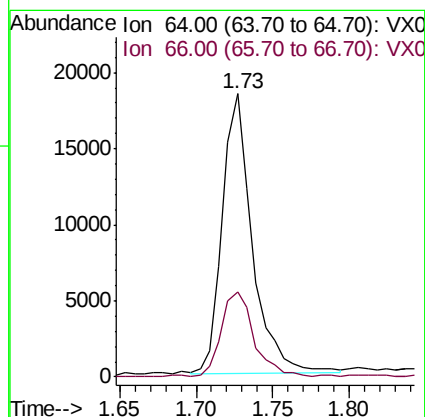
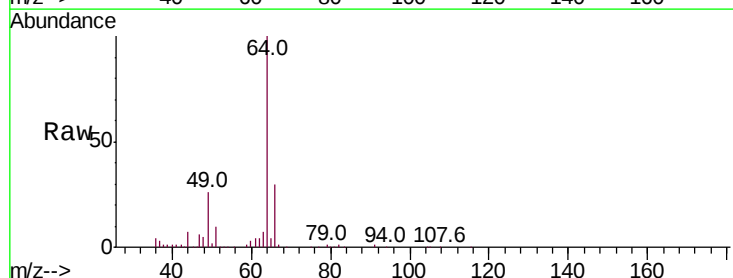
Acq: 24 Jul 2019 13:42

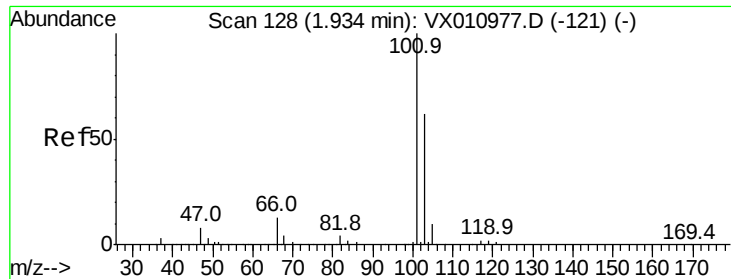
Tgt Ion: 64 Resp: 24938

Ion Ratio Lower Upper

64 100

66 30.3 28.1 42.1





#7

Trichlorofluoromethane
Concen: 19.233 ug/l
RT: 1.93 min Scan# 128
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

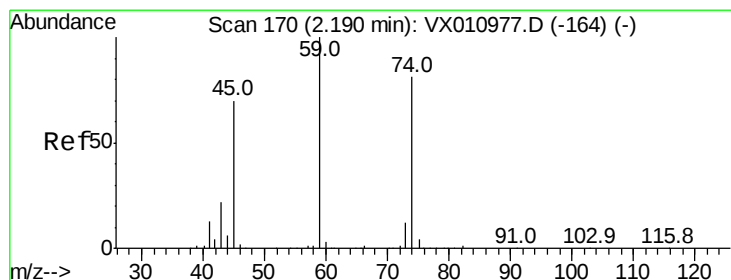
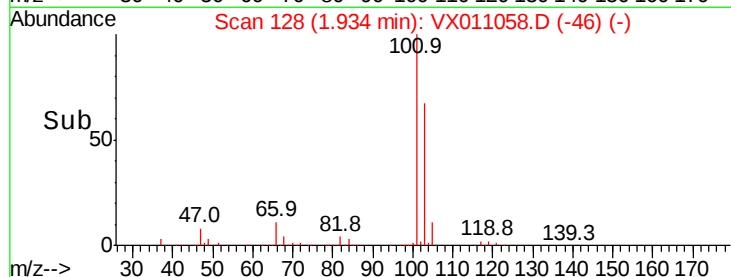
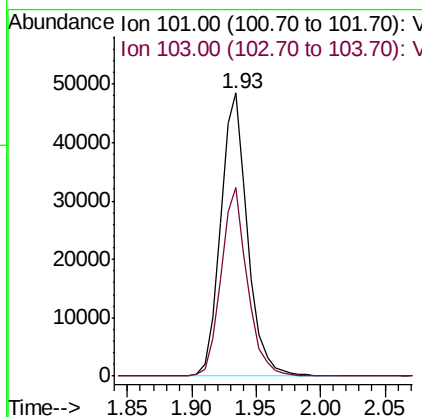
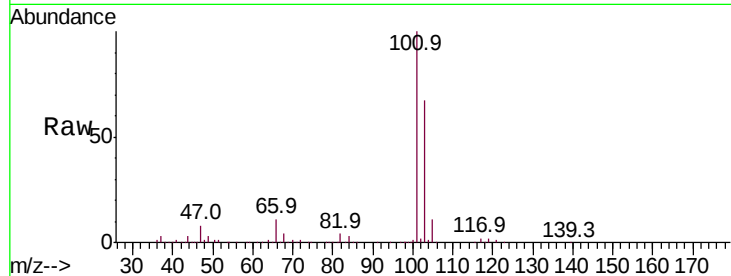
Instrument :
MSVOA_X
ClientSampleId :
VX0724WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.6	49.6	74.4

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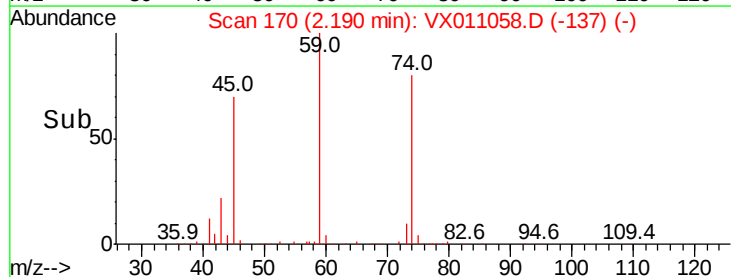
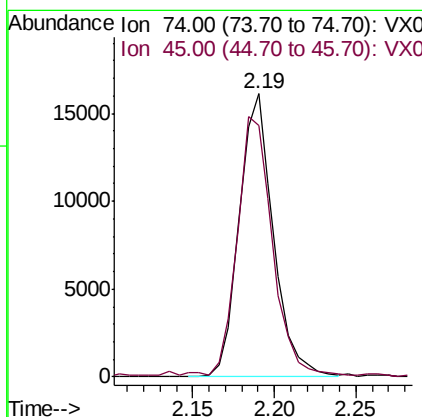
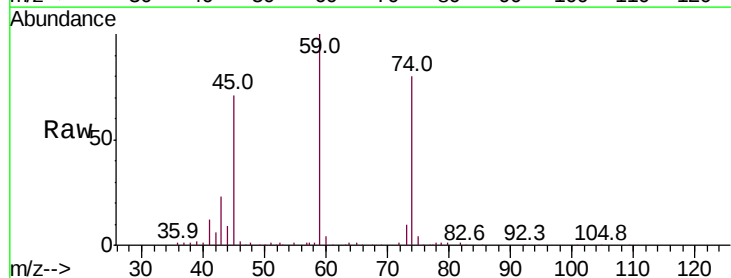
7/25/2019 3:54:50 PM

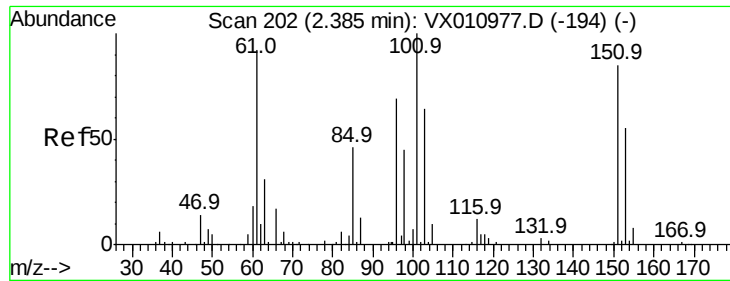


#8

Diethyl Ether
Concen: 19.383 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.6	18.3	164.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.852 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

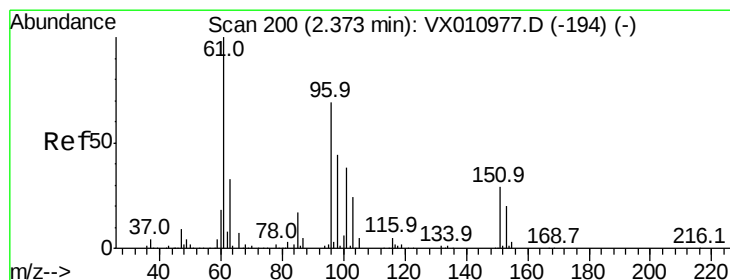
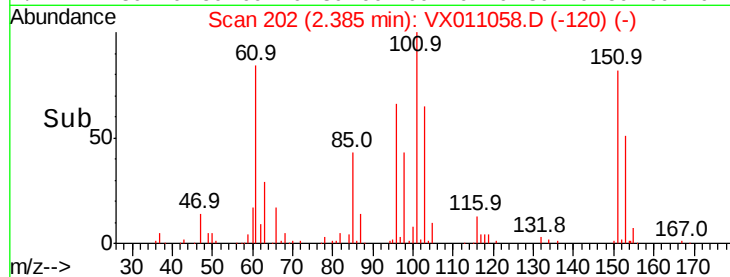
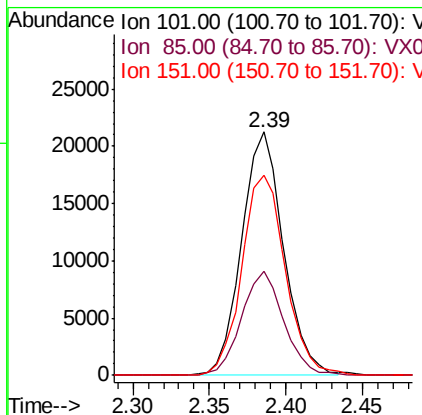
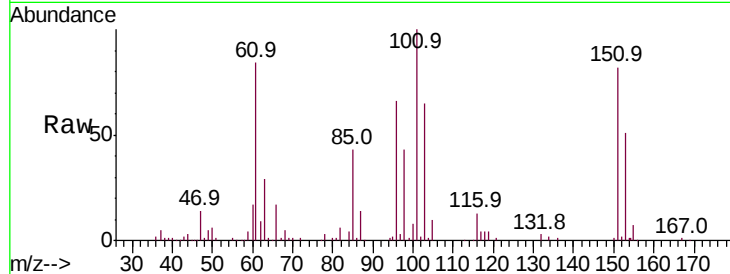
VX0724WBS01

Tot Ion:	101	Resp:	40493
Ion Ratio	Lower	Upper	
101	100		
85	43.0	0.0	89.8
151	85.2	0.0	172.2

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 19.099 ug/l

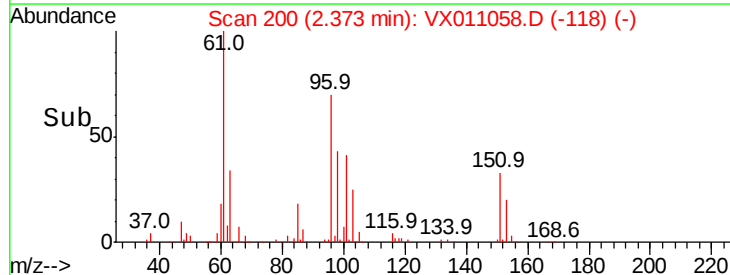
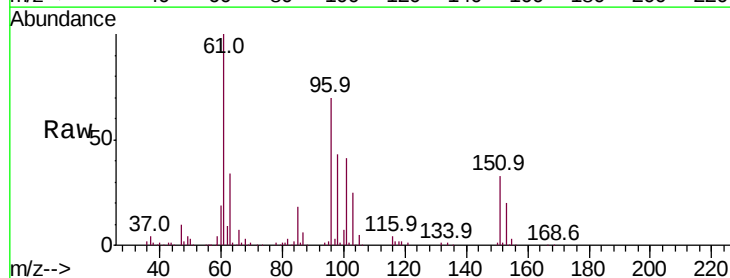
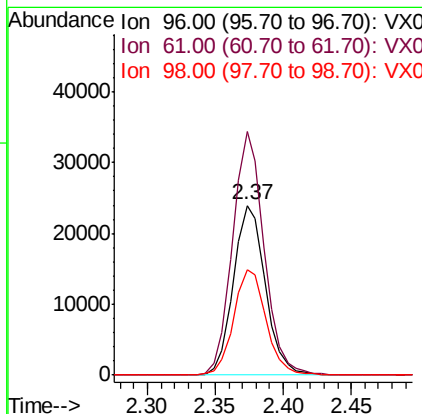
RT: 2.37 min Scan# 200

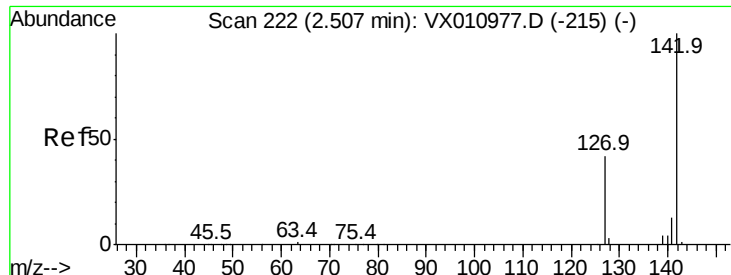
Delta R.T. -0.00 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

Tgt Ion:	96	Resp:	39151
Ion Ratio	Lower	Upper	
96	100		
61	143.5	115.9	173.9
98	61.8	50.6	75.8





#11
Methvl Iodide
Concen: 17.236 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

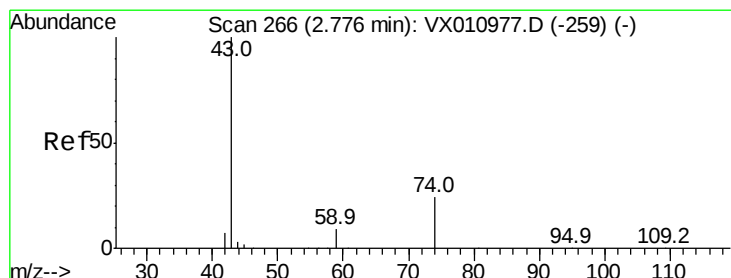
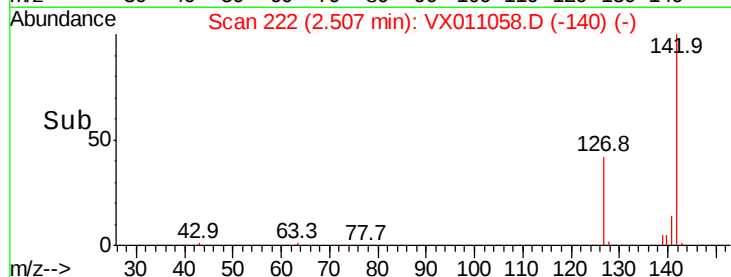
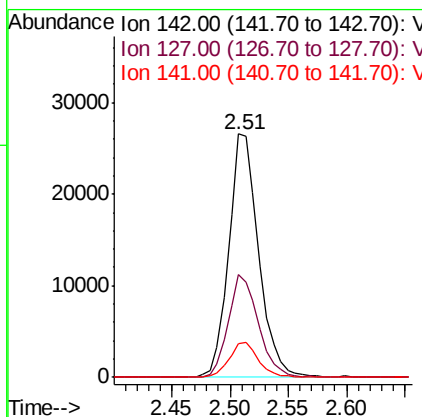
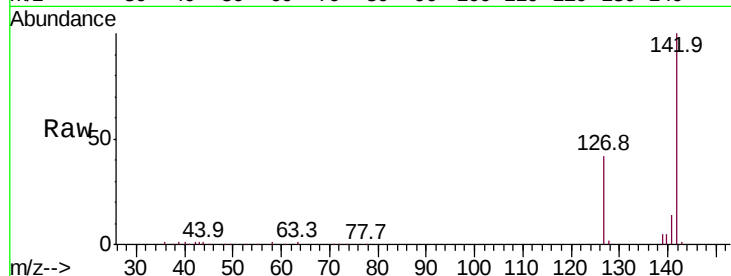
Instrument :
MSVOA_X
ClientSampleId :
VX0724WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	42.1	20.7	62.1
141	13.8	6.7	20.0

Manual Integrations
APPROVED

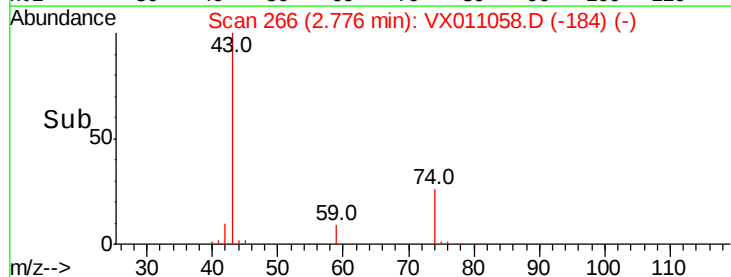
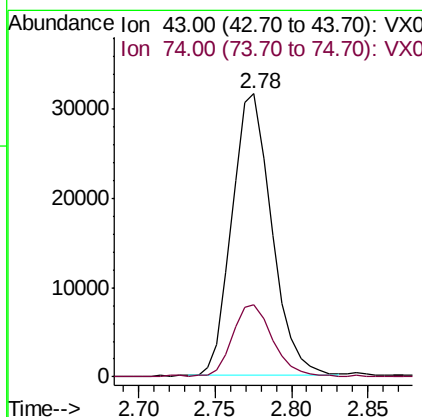
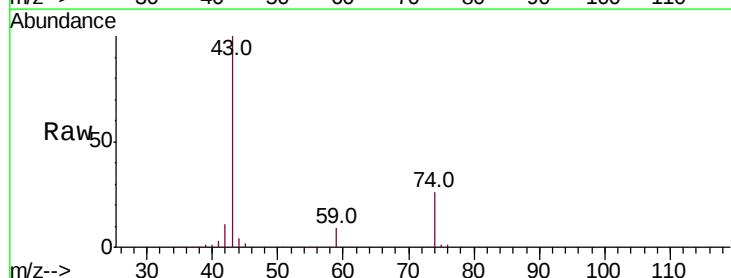
MMDadoda

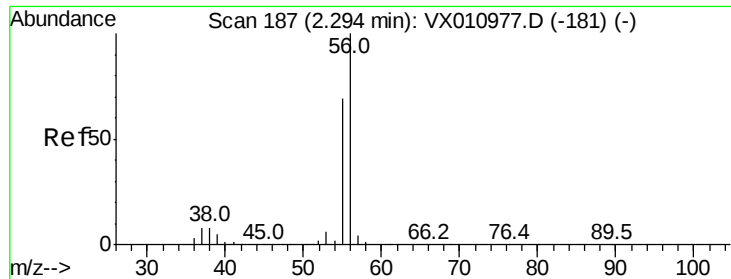
7/25/2019 3:54:50 PM



#12
Methyl Acetate
Concen: 19.862 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.6	19.8	29.6





#13

Acrolein

Concen: 92.576 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

VX0724WBS01

Tot Ion: 56 Resp: 31958

Ion Ratio Lower Upper

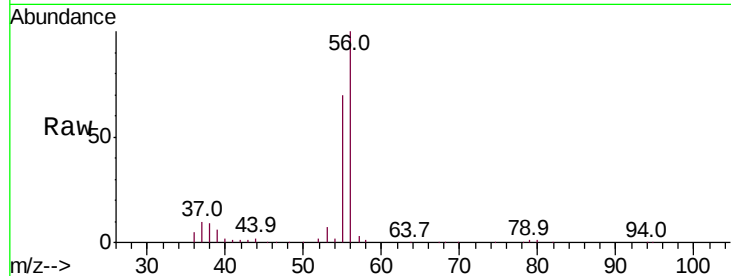
56 100

55 71.4 56.1 84.1

Manual Integrations
APPROVED

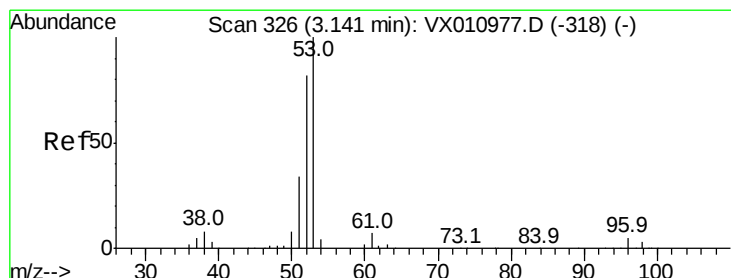
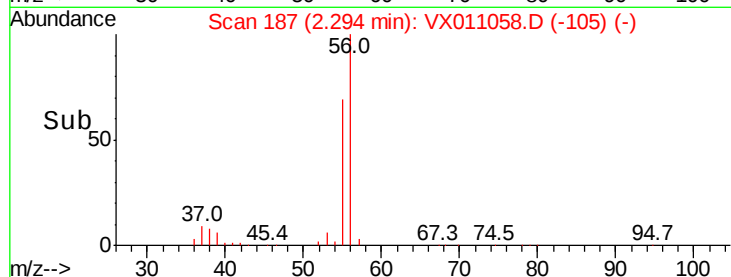
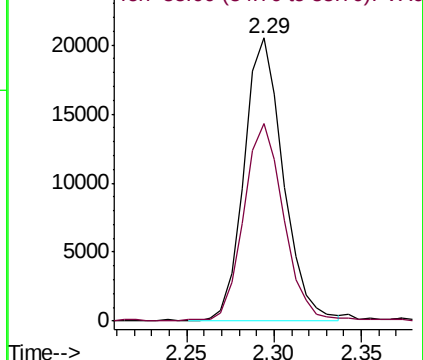
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Acrylonitrile

Concen: 99.891 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

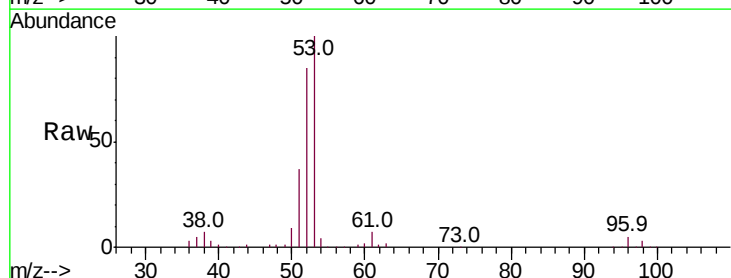
Tgt Ion: 53 Resp: 112561

Ion Ratio Lower Upper

53 100

52 83.0 41.1 123.4

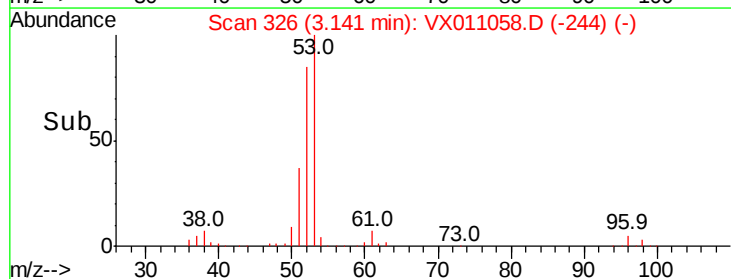
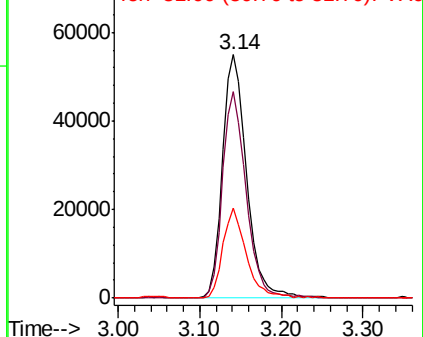
51 36.0 17.8 53.3

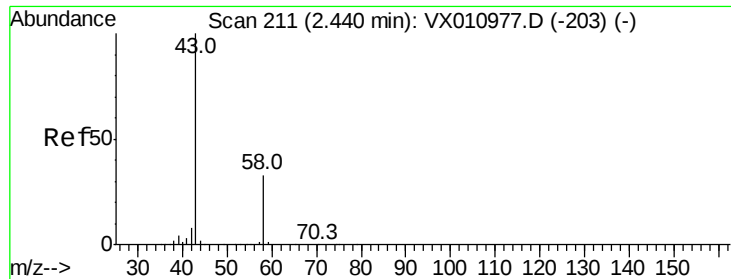


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#15

Acetone

Concen: 115.332 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

Instrument :

MSVOA_X

ClientSampled :

VX0724WBS01

Tot Ion: 58 Resp: 36189

Ion Ratio Lower Upper

58 100

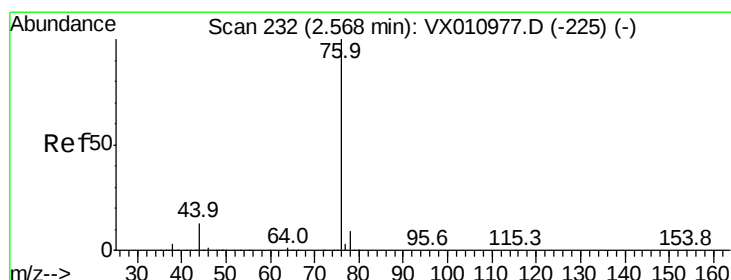
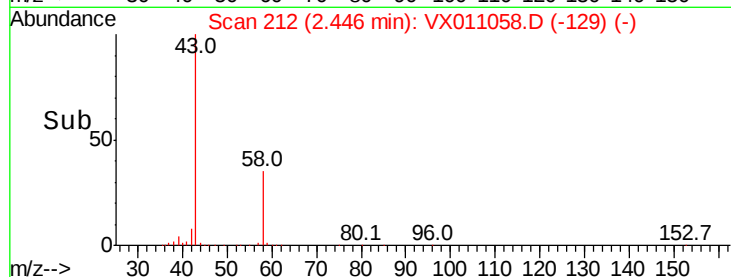
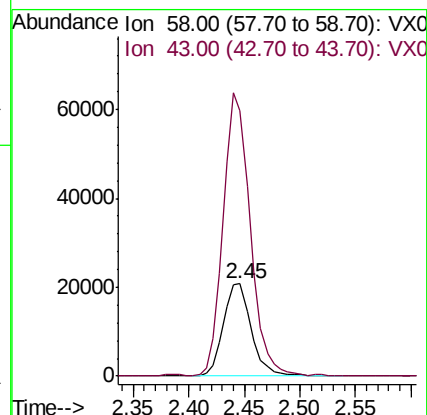
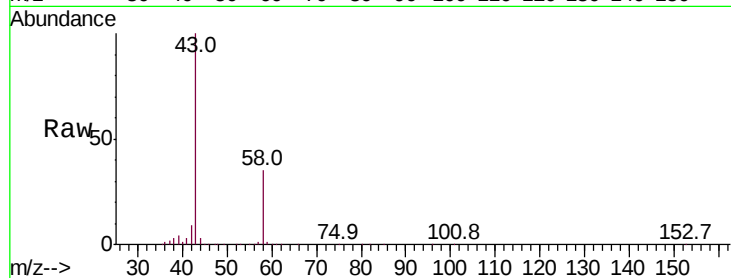
43 287.7 243.8 365.6

Manual Integrations

APPROVED

MMDadoda

7/25/2019 3:54:50 PM



#16

Carbon Disulfide

Concen: 15.850 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX011058.D

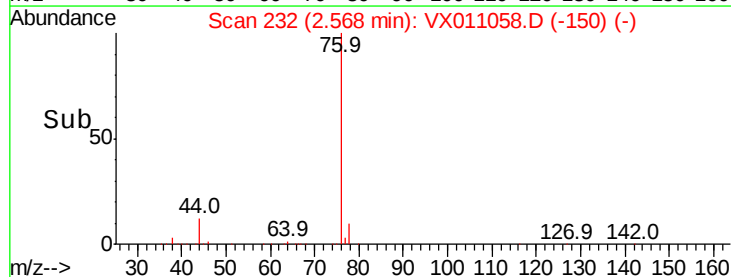
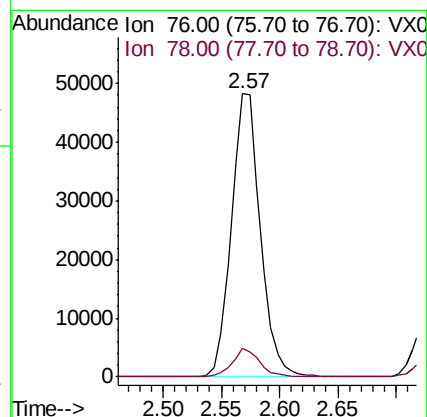
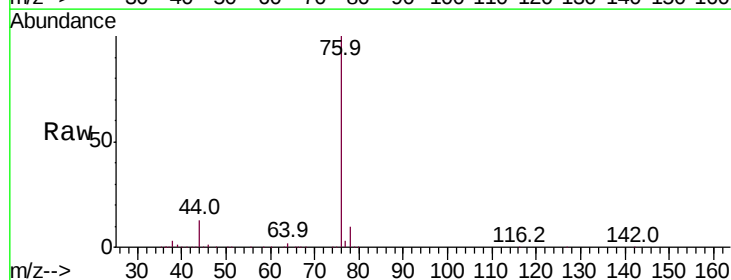
Acq: 24 Jul 2019 13:42

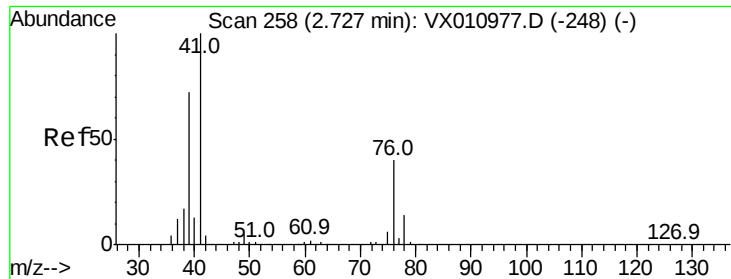
Tgt Ion: 76 Resp: 83486

Ion Ratio Lower Upper

76 100

78 10.0 7.3 10.9





#17
Allvl chloride
Concen: 19.510 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

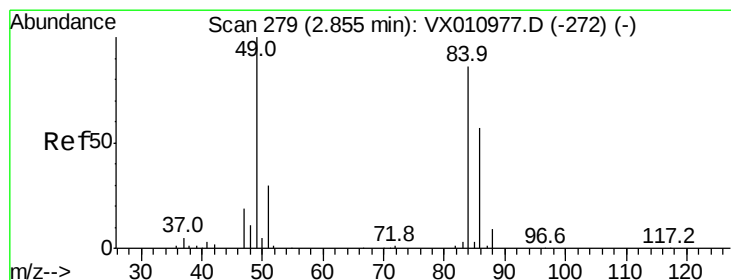
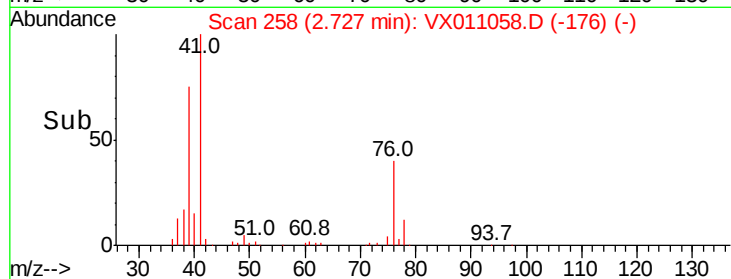
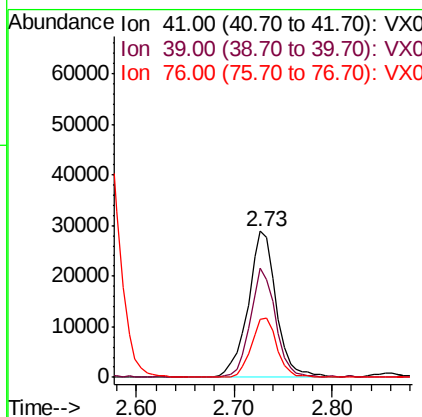
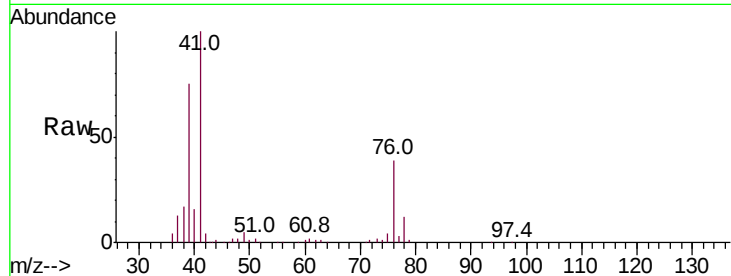
Instrument :
MSVOA_X
ClientSampleId :
VX0724WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	74.6	36.1	108.3
76	39.6	20.2	60.5

Manual Integrations
APPROVED

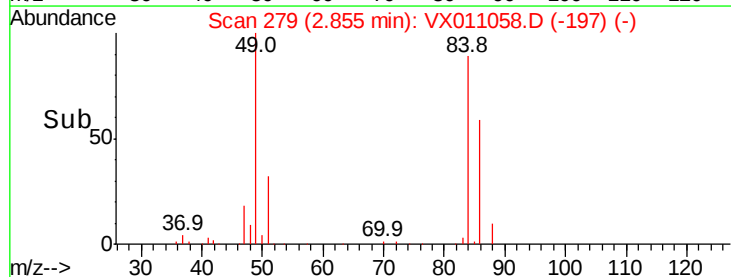
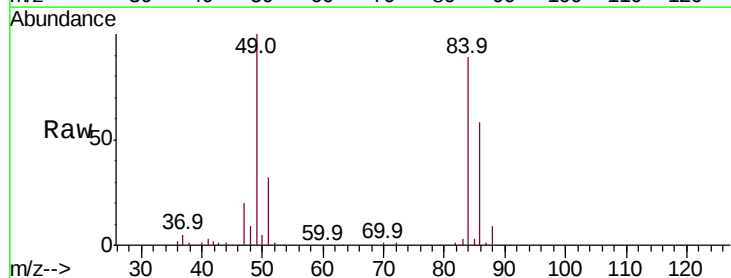
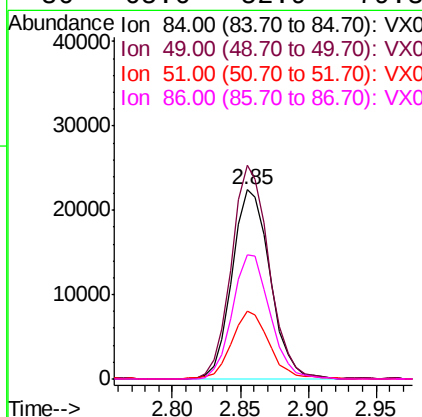
MMDadoda

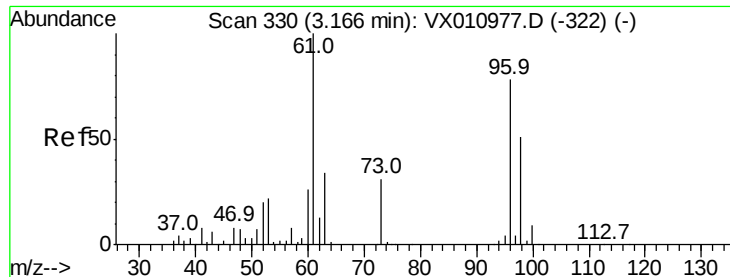
7/25/2019 3:54:50 PM



#18
Methylene Chloride
Concen: 19.222 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

Tgt Ion	Ratio	Lower	Upper
84	100		
49	113.0	93.2	139.8
51	35.7	28.6	42.8
86	65.6	52.9	79.3





#19
trans-1,2-Dichloroethene
Concen: 18.441 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

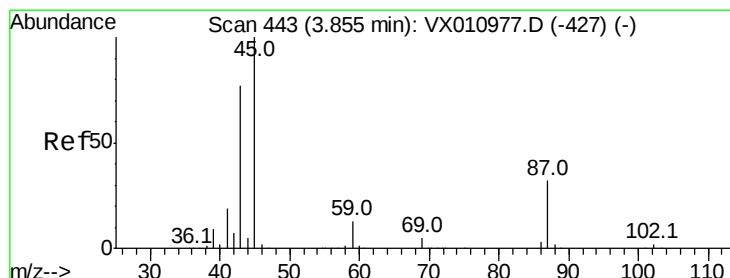
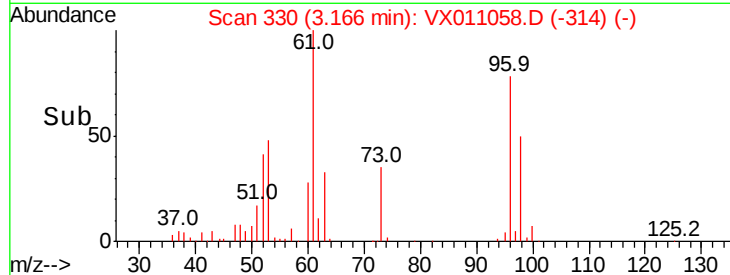
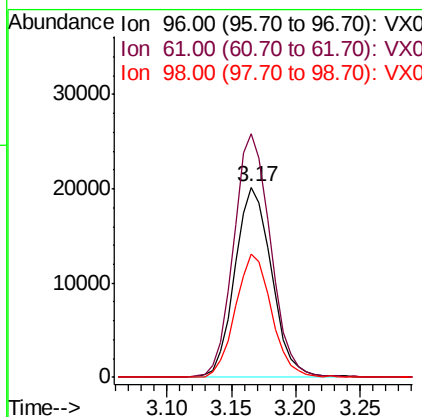
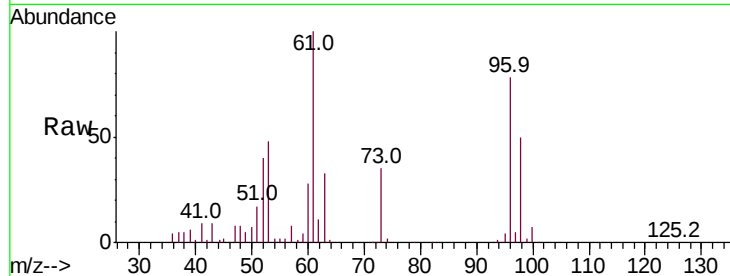
Instrument :
MSVOA_X
ClientSampleId :
VX0724WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.1	102.2	153.4
98	64.5	52.2	78.2

Manual Integrations
APPROVED

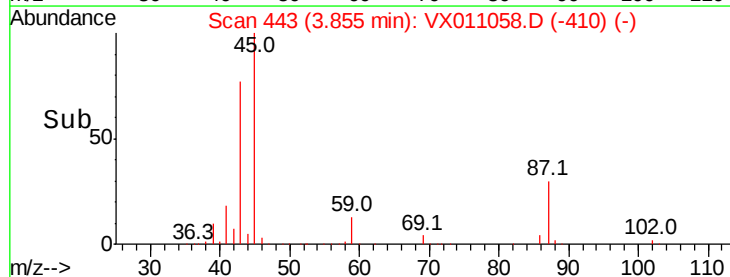
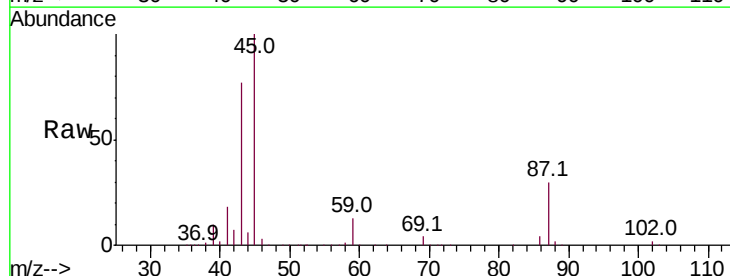
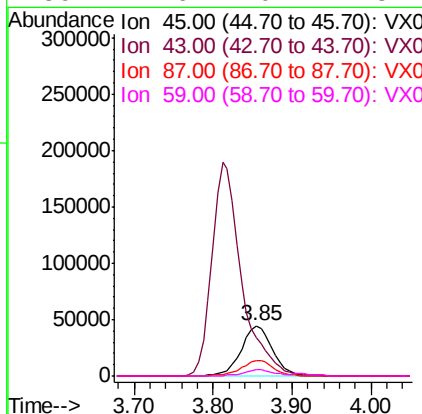
MMDadoda

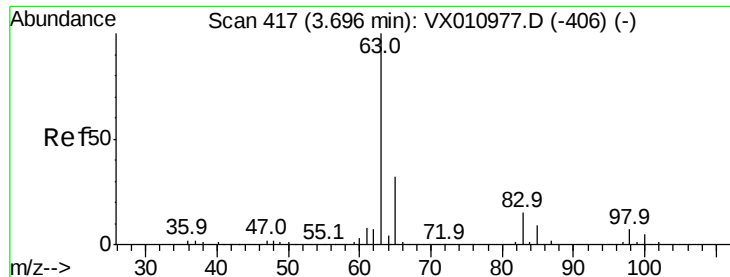
7/25/2019 3:54:50 PM



#20
Diisopropyl ether
Concen: 19.491 ug/l
RT: 3.85 min Scan# 443
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

Tgt Ion	Ratio	Lower	Upper
45	100		
43	76.0	61.5	92.3
87	30.4	25.4	38.2
59	12.6	10.2	15.2





#21
 1,1-Dichloroethane
 Concen: 19.429 ug/l
 RT: 3.70 min Scan# 418
 Delta R.T. 0.01 min
 Lab File: VX011058.D
 Acq: 24 Jul 2019 13:42

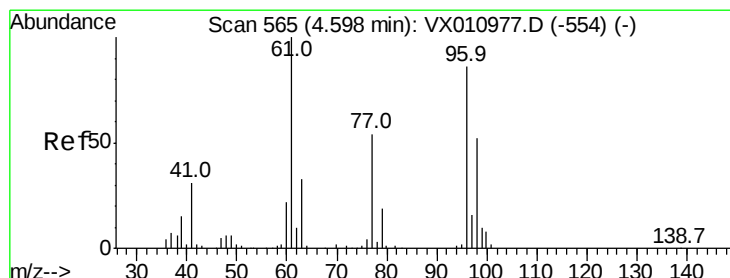
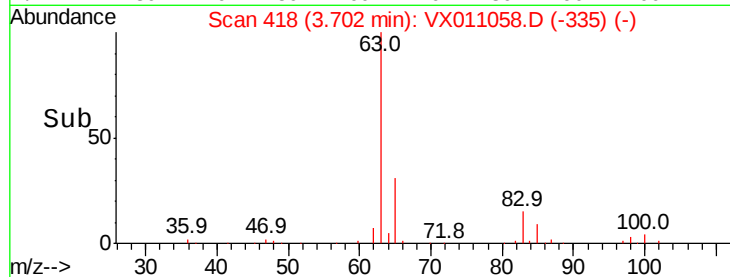
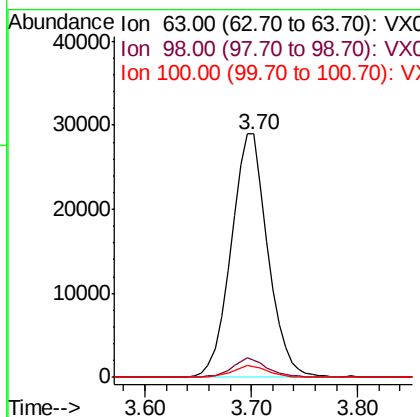
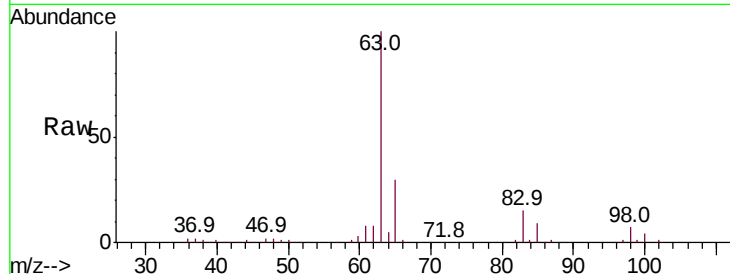
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0724WBS01

Tot Ion:	63	Resp:	70050
Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.8	11.2
100	4.4	2.5	7.4

Manual Integrations
 APPROVED

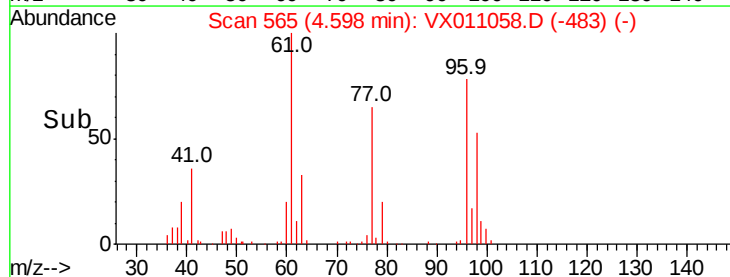
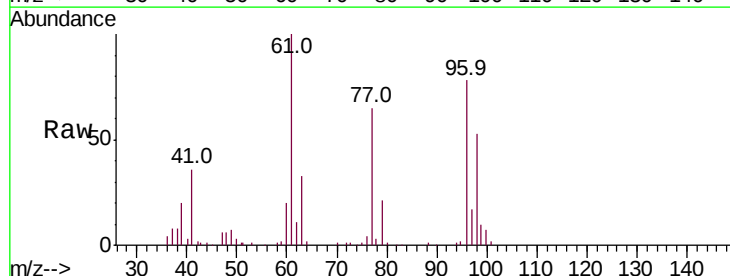
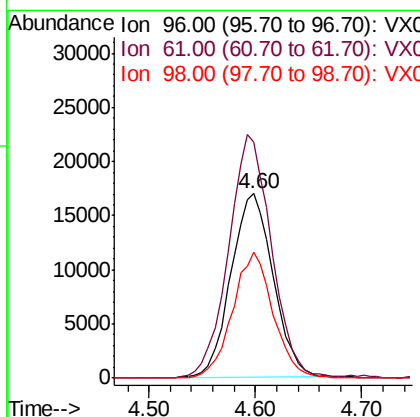
MMDadoda

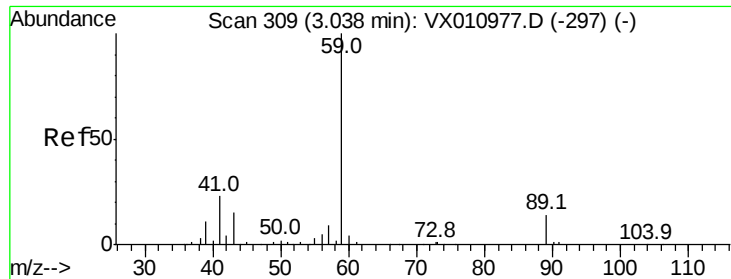
7/25/2019 3:54:50 PM



#22
 cis-1,2-Dichloroethene
 Concen: 18.992 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX011058.D
 Acq: 24 Jul 2019 13:42

Tgt Ion:	96	Resp:	47301
Ion	Ratio	Lower	Upper
96	100		
61	134.2	102.9	154.3
98	65.5	50.9	76.3





#23
tert-Butyl Alcohol
Concen: 91.970 ug/l
RT: 3.04 min Scan# 310
Delta R.T. 0.01 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

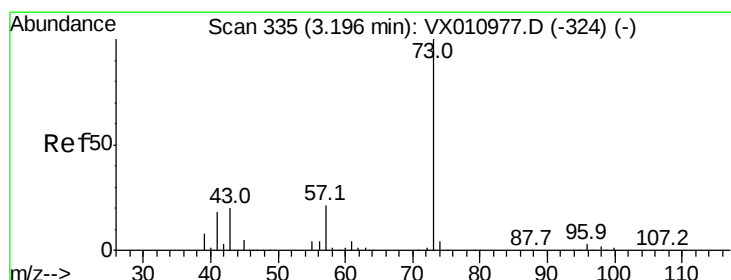
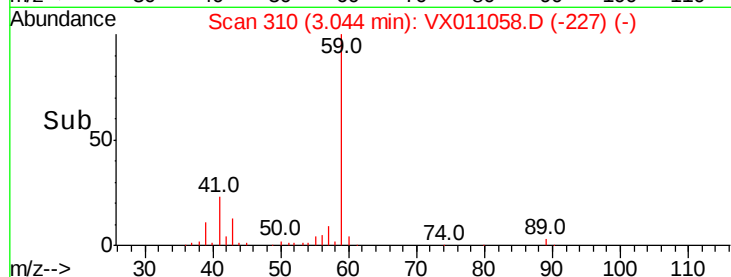
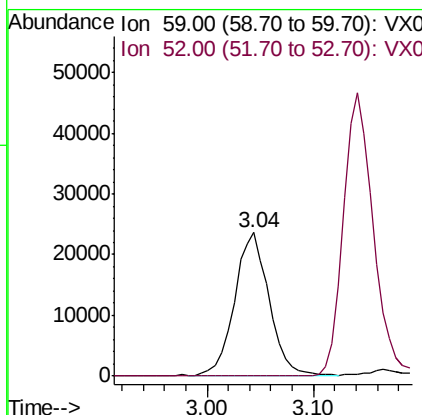
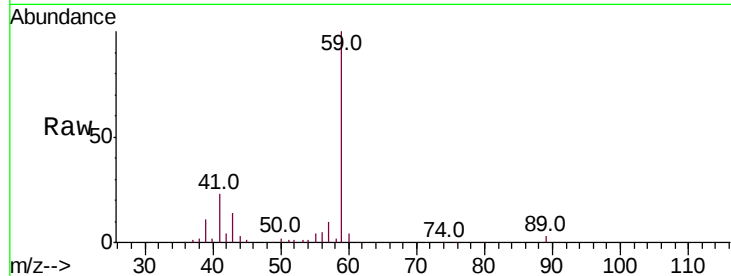
Instrument :
MSVOA_X
ClientSampled :
VX0724WBS01

Tot Ion: 59 Resp: 54109
Ion Ratio Lower Upper
59 100
52 0.3 0.2 0.4

Manual Integrations
APPROVED

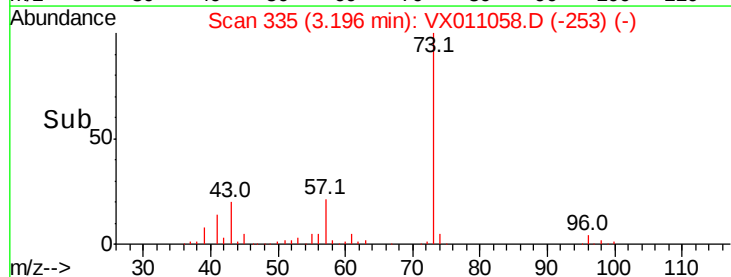
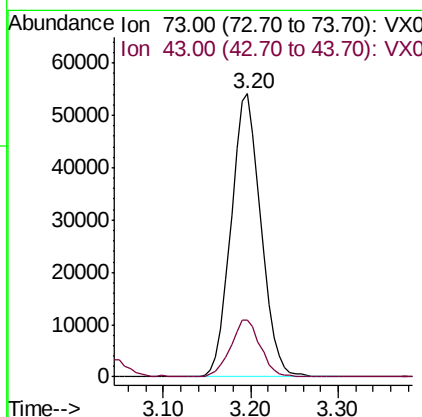
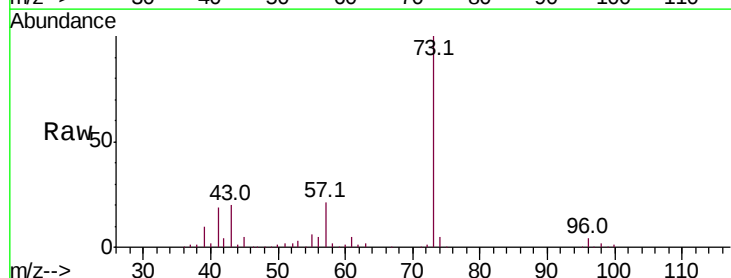
MMDadoda

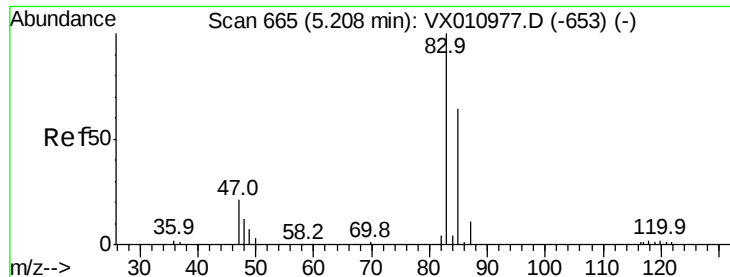
7/25/2019 3:54:50 PM



#24
Methyl tert-Butyl Ether
Concen: 19.514 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

Tgt Ion: 73 Resp: 128412
Ion Ratio Lower Upper
73 100
43 20.0 15.8 23.6





#25
Chloroform
Concen: 19.308 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

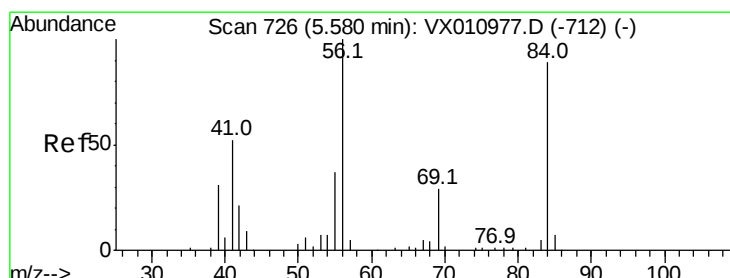
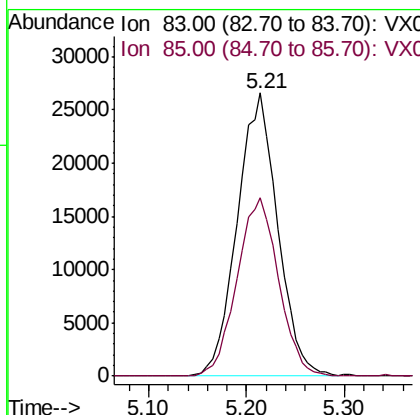
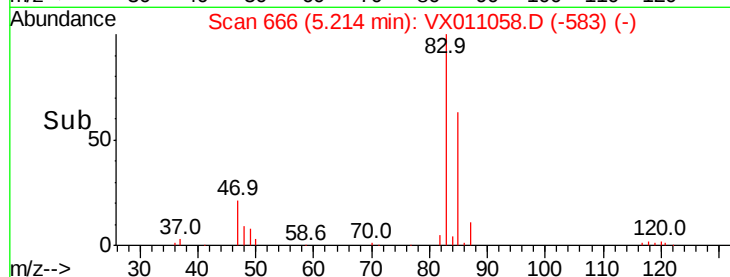
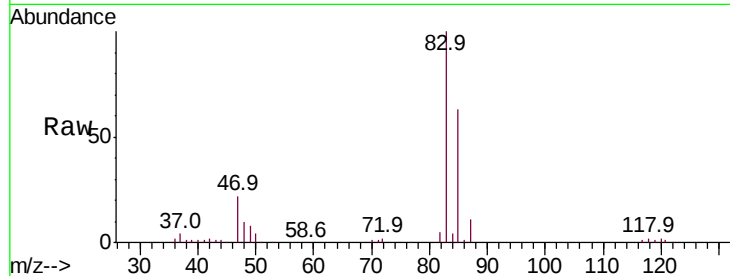
Instrument :
MSVOA_X
ClientSampleId :
VX0724WBS01

Tot Ion: 83 Resp: 76244
Ion Ratio Lower Upper
83 100
85 63.2 50.9 76.3

Manual Integrations
APPROVED

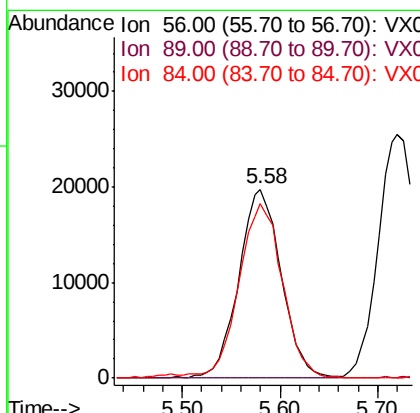
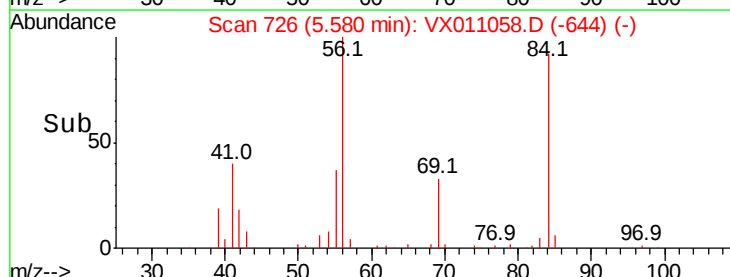
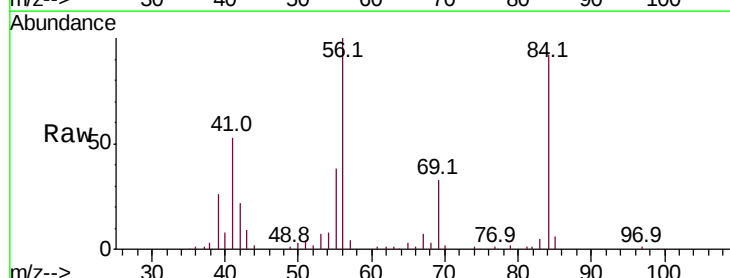
MMDadoda

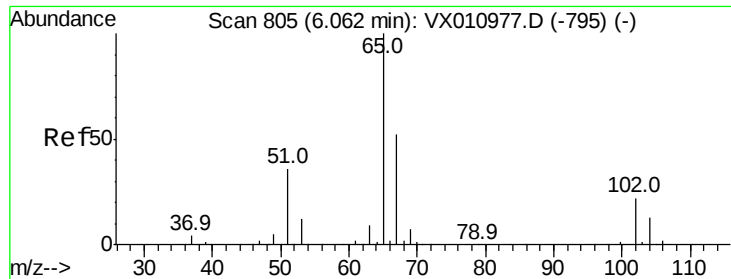
7/25/2019 3:54:50 PM



#26
Cyclohexane
Concen: 17.890 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

Tgt Ion: 56 Resp: 59023
Ion Ratio Lower Upper
56 100
89 0.2 0.0 0.0#
84 94.7 73.0 109.4





#27

1,2-Dichloroethane-d4

Concen: 29.190 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

VX0724WBS01

Tot Ion: 65 Resp: 72536

Ion Ratio Lower Upper

65 100

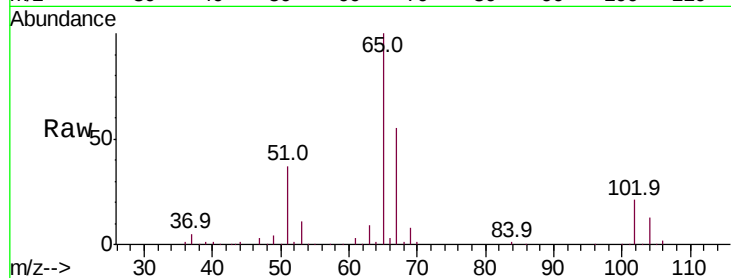
67 52.9 41.7 62.5

Manual Integrations

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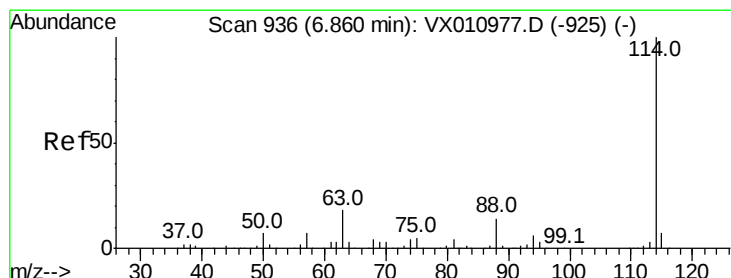
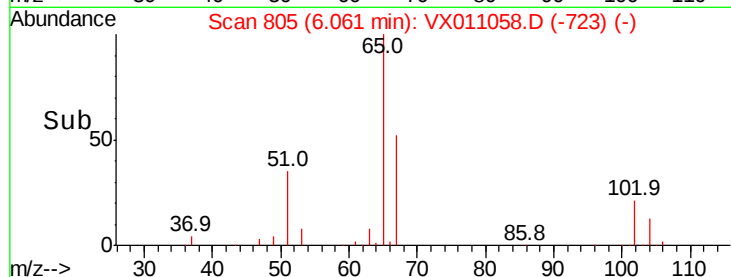
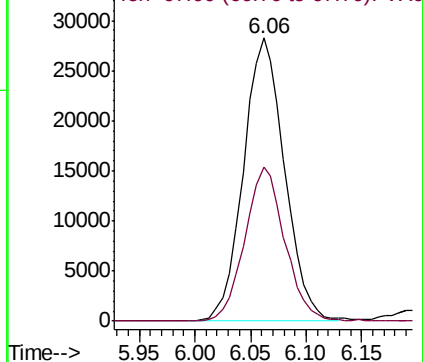
MMDadoda

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Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

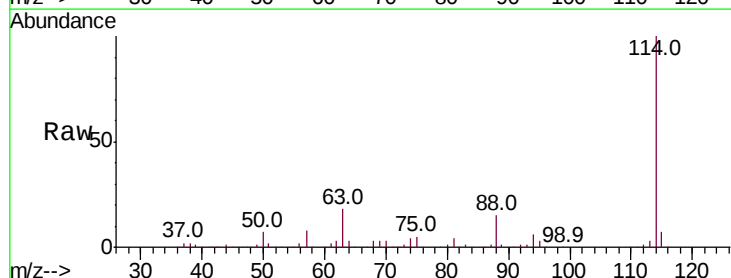
Tgt Ion:114 Resp: 203026

Ion Ratio Lower Upper

114 100

63 18.1 14.6 22.0

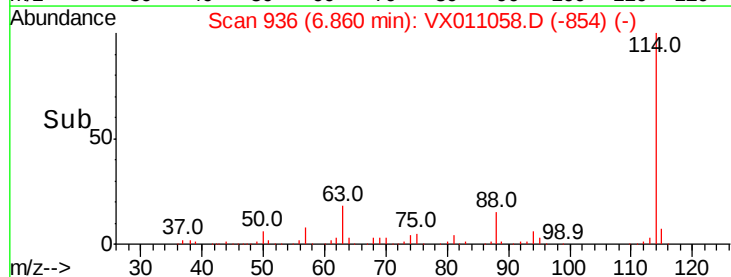
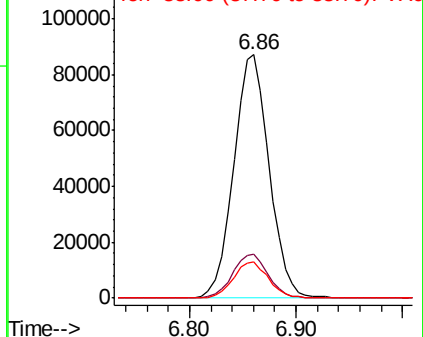
88 14.9 11.8 17.8

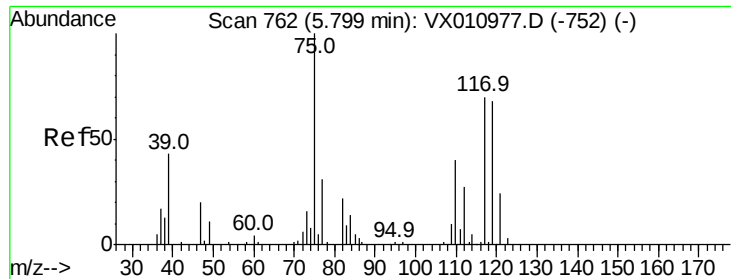


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#29

1,1-Dichloropropene

Concen: 18.642 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

Instrument :

MSVOA_X

ClientSampled :

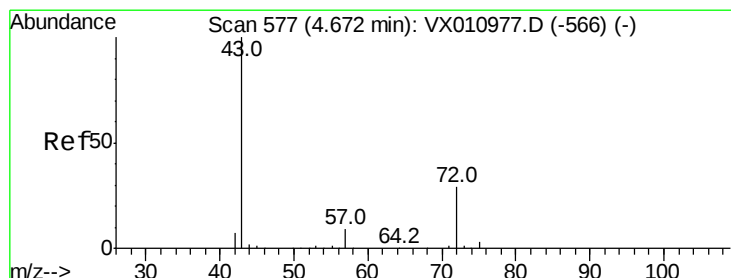
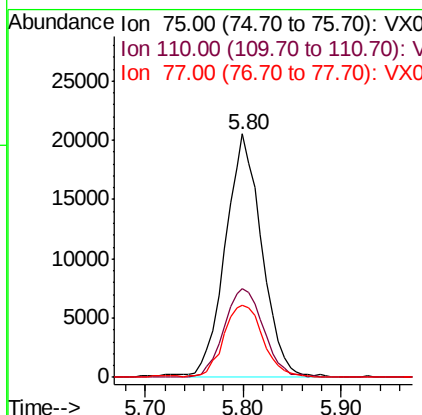
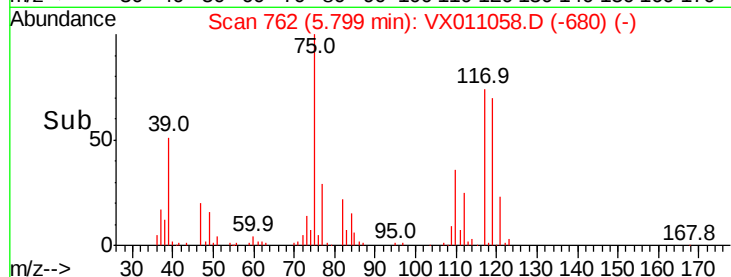
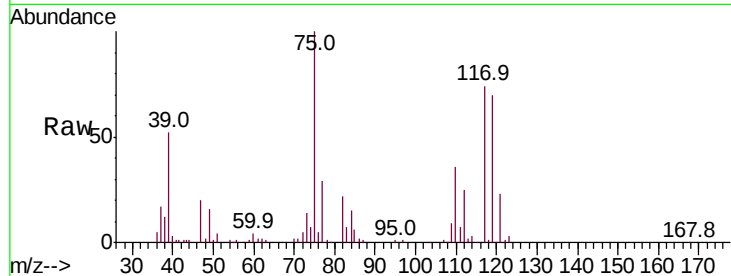
VX0724WBS01

Tot Ion:	75	Resp:	53226
Ion Ratio	Lower	Upper	
75	100		
110	39.1	0.0	79.8
77	32.1	0.0	62.2

Manual Integrations
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#30

2-Butanone

Concen: 102.829 ug/l

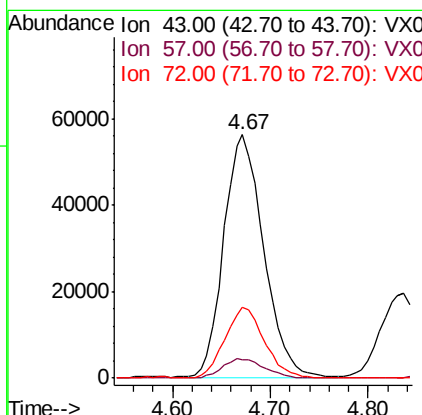
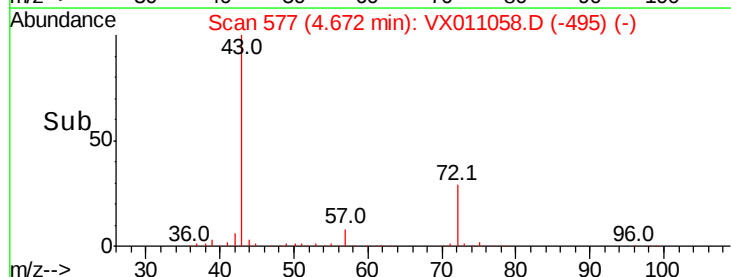
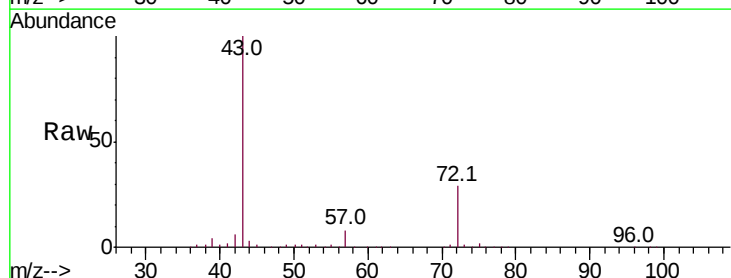
RT: 4.67 min Scan# 577

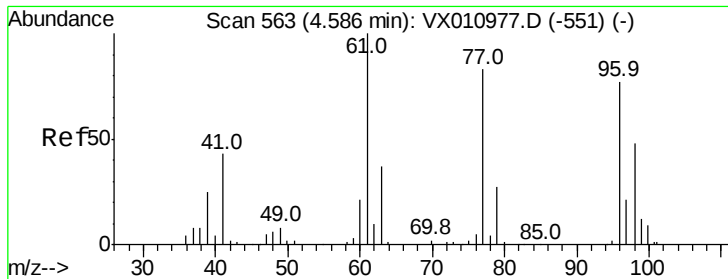
Delta R.T. -0.00 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

Tgt Ion:	43	Resp:	158479
Ion Ratio	Lower	Upper	
43	100		
57	8.5	6.8	10.2
72	28.6	23.2	34.8





#31
 2,2-Dichloropropane
 Concen: 22.984 ug/l
 RT: 4.58 min Scan# 562
 Delta R.T. -0.01 min
 Lab File: VX011058.D
 Acq: 24 Jul 2019 13:42

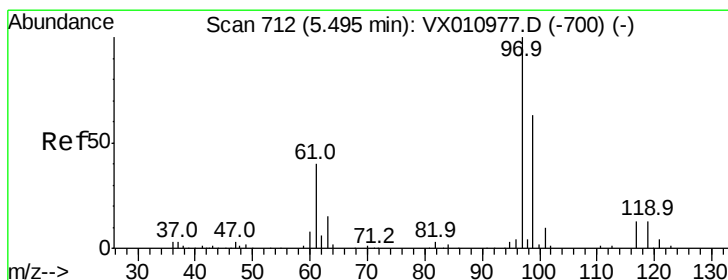
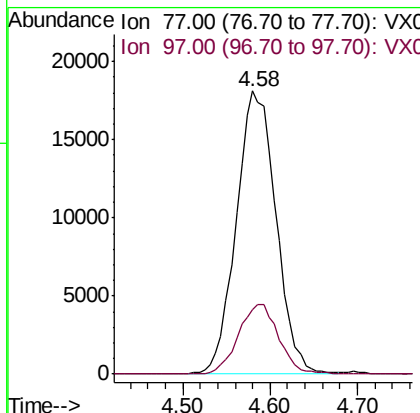
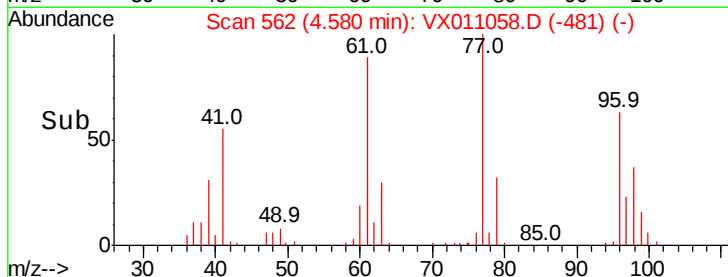
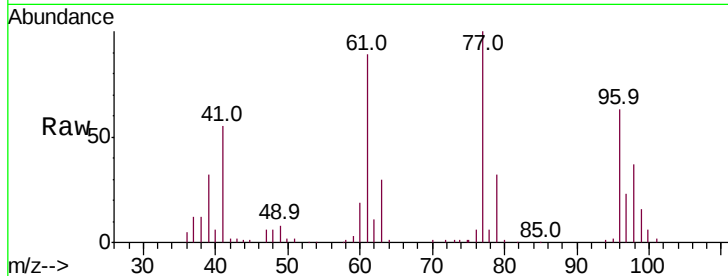
Instrument :
 MSVOA_X
 ClientSampled :
 VX0724WBS01

Tot Ion: 77 Resp: 57282
 Ion Ratio Lower Upper
 77 100
 97 24.8 20.9 31.3

Manual Integrations
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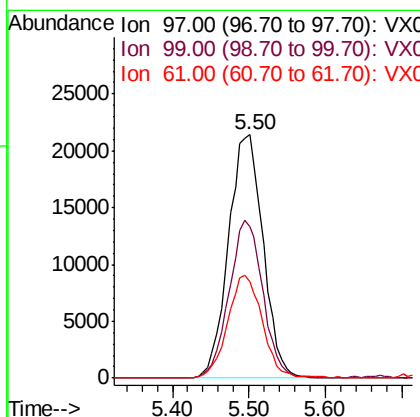
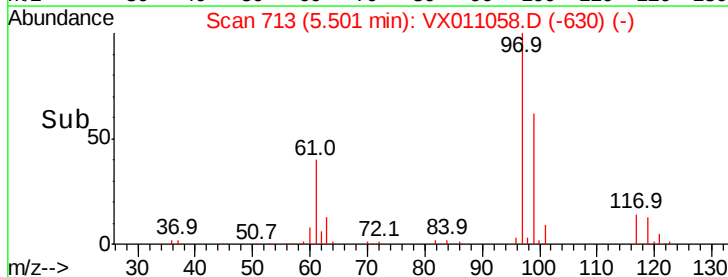
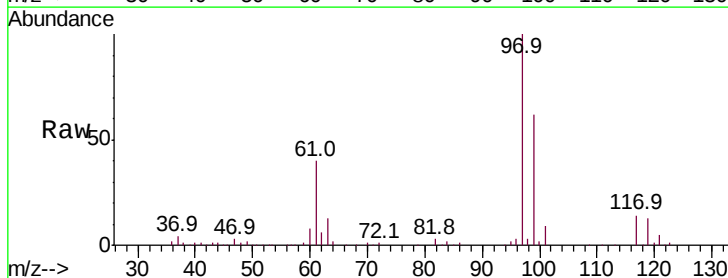
MMDadoda

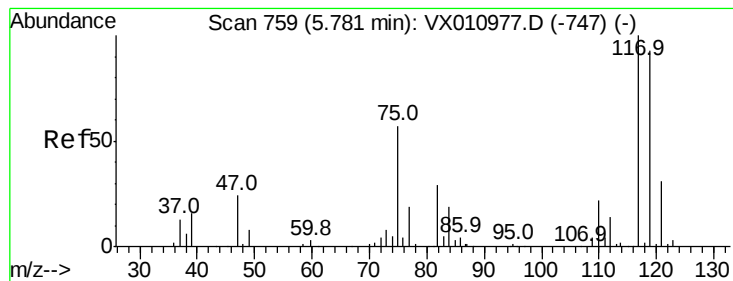
7/25/2019 3:54:50 PM



#32
 1,1,1-Trichloroethane
 Concen: 19.486 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX011058.D
 Acq: 24 Jul 2019 13:42

Tgt Ion: 97 Resp: 67092
 Ion Ratio Lower Upper
 97 100
 99 63.0 51.0 76.6
 61 41.8 34.3 51.5





#33

Carbon Tetrachloride

Concen: 19.128 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.00 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

Instrument :

MSVOA_X

ClientSampled :

VX0724WBS01

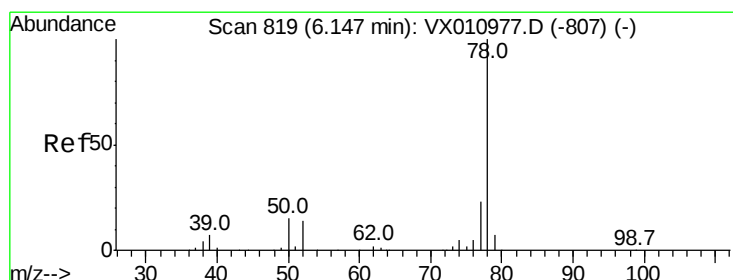
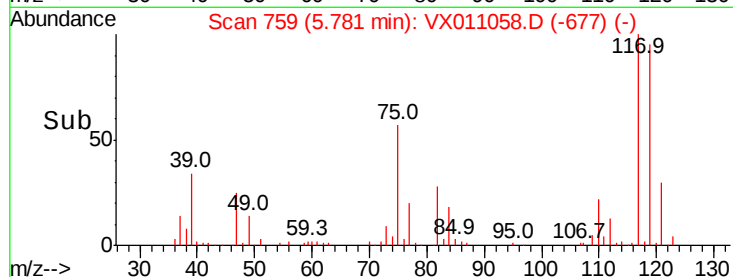
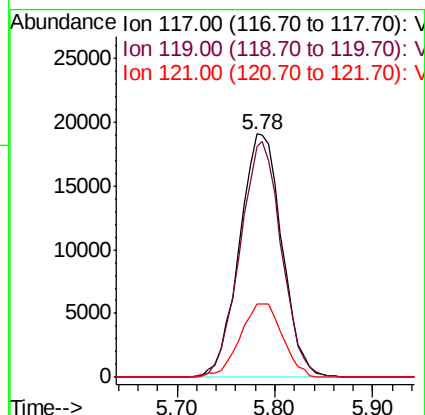
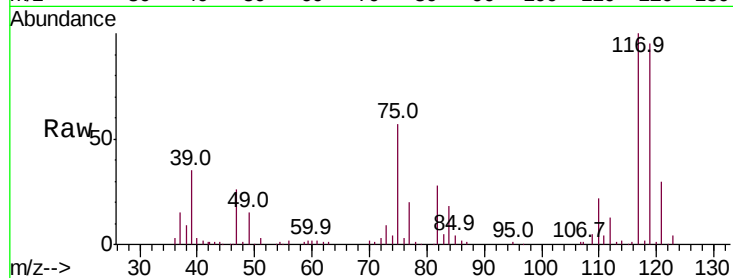
Tot Ion:117 Resp: 57263

Ion	Ratio	Lower	Upper
117	100		
119	94.6	74.3	111.5
121	30.1	24.9	37.3

Manual Integrations
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#34

Benzene

Concen: 19.315 ug/l

RT: 6.15 min Scan# 819

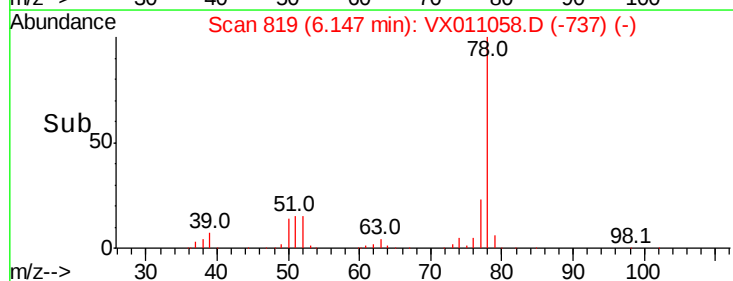
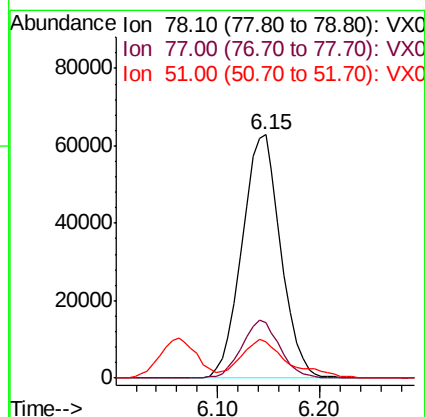
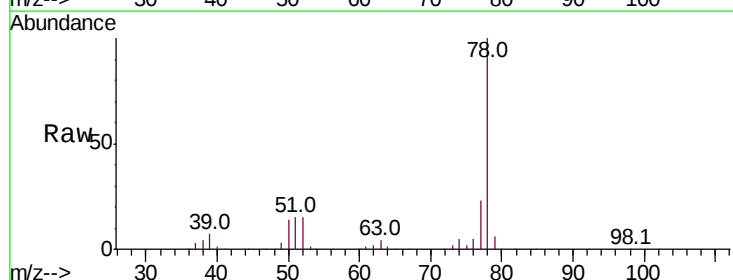
Delta R.T. -0.00 min

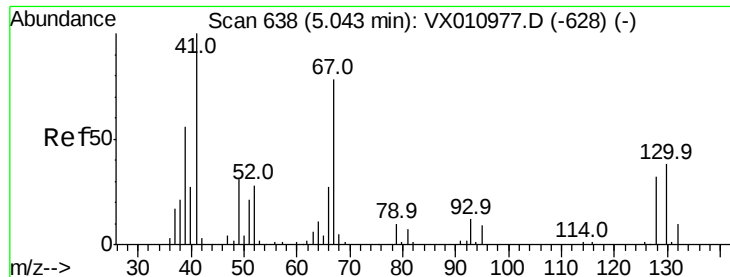
Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

Tgt Ion: 78 Resp: 165429

Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.2	27.4
51	14.0	11.4	17.2





#35
Methacrylonitrile
Concen: 19.148 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

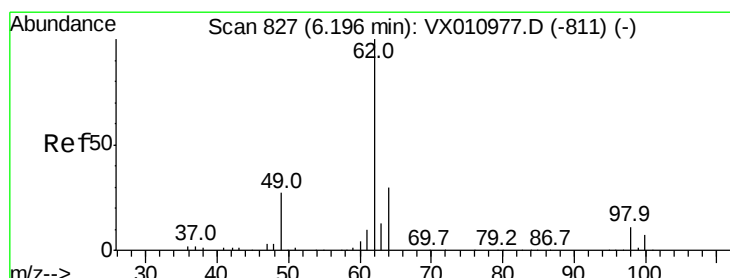
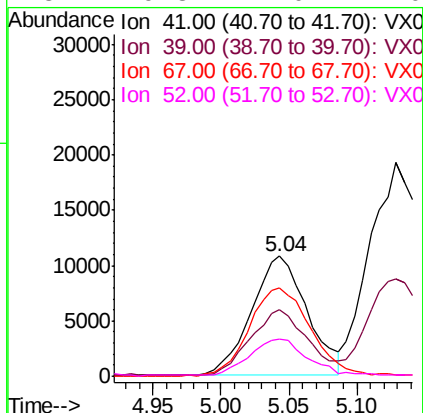
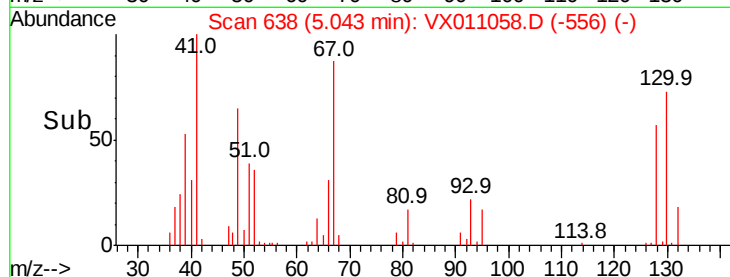
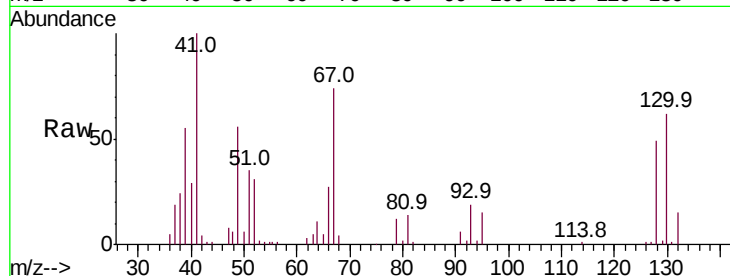
Instrument :
MSVOA_X
ClientSampled :
VX0724WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.5	27.6	82.8	
67	74.1	39.1	117.2	
52	29.8	14.0	42.0	

Manual Integrations
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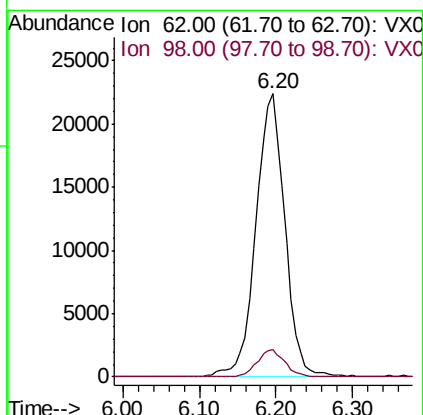
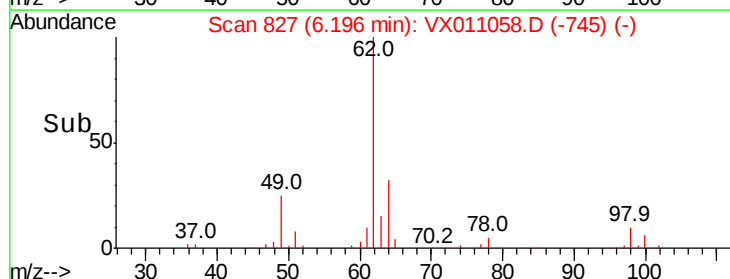
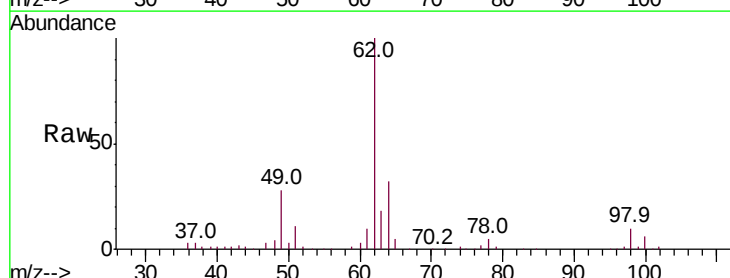
MMDadoda

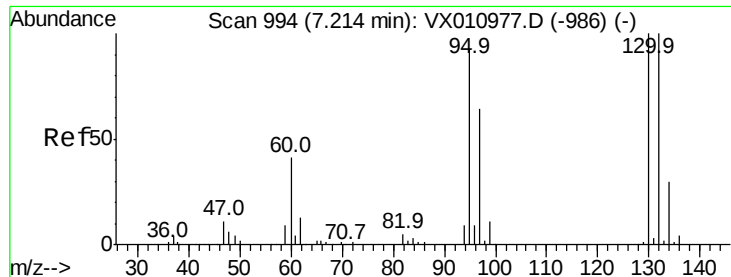
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#36
1,2-Dichloroethane
Concen: 19.364 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.2	8.0	12.0	





#37
 Trichloroethene
 Concen: 19.572 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX011058.D
 Acq: 24 Jul 2019 13:42

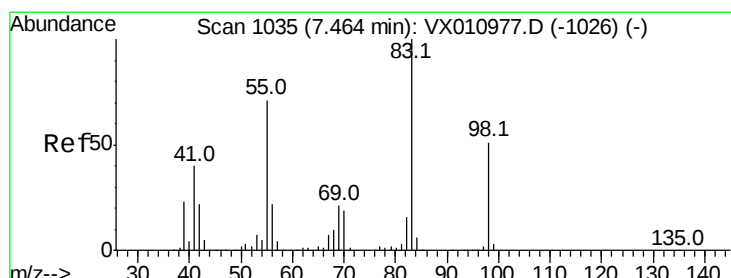
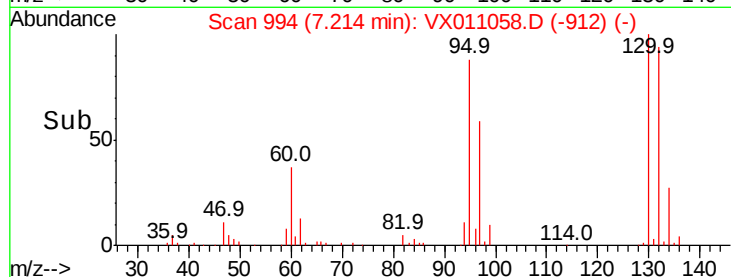
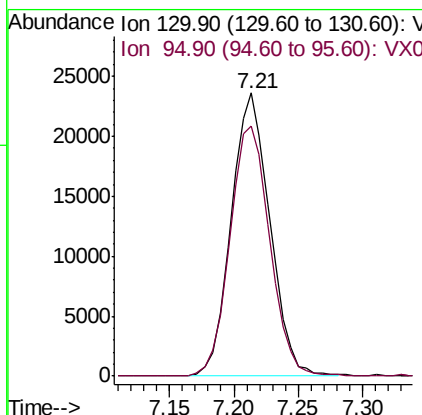
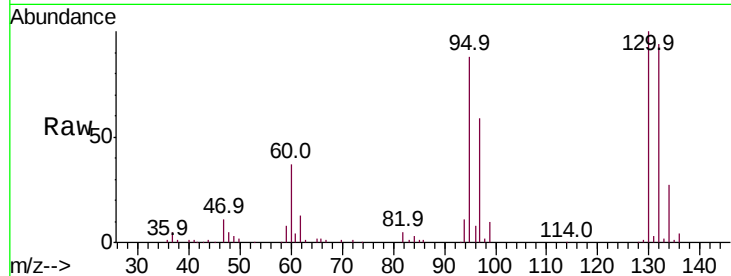
Instrument :
 MSVOA_X
 ClientSampled :
 VX0724WBS01

Tot Ion:130 Resp: 49074
 Ion Ratio Lower Upper
 130 100
 95 88.4 74.1 111.1

Manual Integrations
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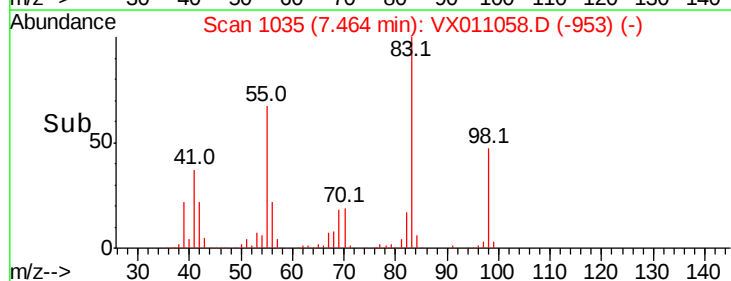
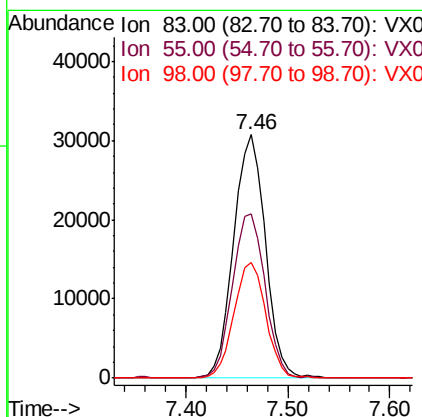
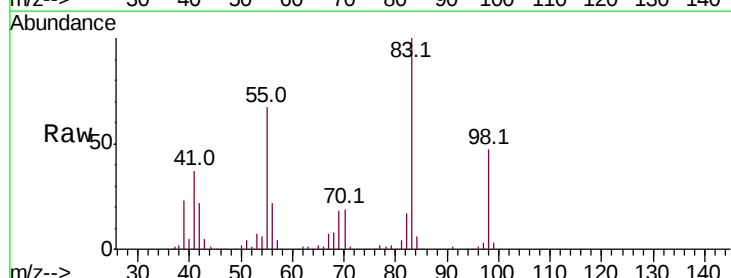
MMDadoda

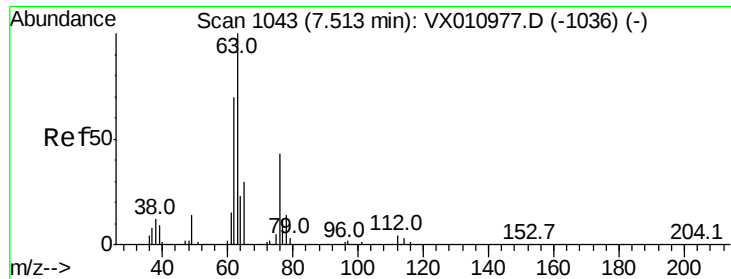
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#38
 Methylcyclohexane
 Concen: 18.454 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: VX011058.D
 Acq: 24 Jul 2019 13:42

Tgt Ion: 83 Resp: 66495
 Ion Ratio Lower Upper
 83 100
 55 69.3 35.3 105.9
 98 47.6 24.0 72.0





#39
 1,2-Dichloropropane
 Concen: 19.409 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX011058.D
 Acq: 24 Jul 2019 13:42

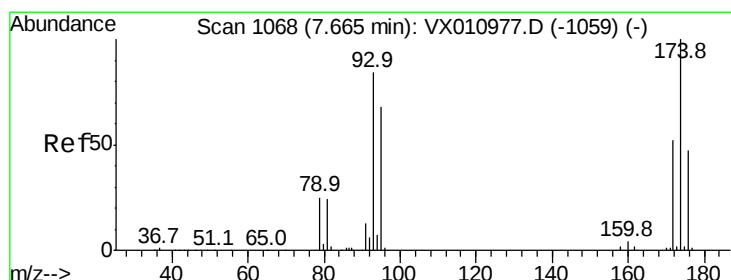
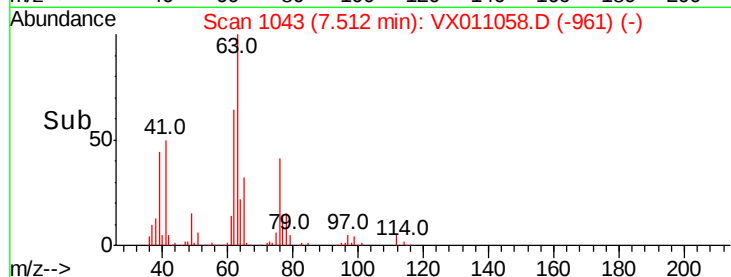
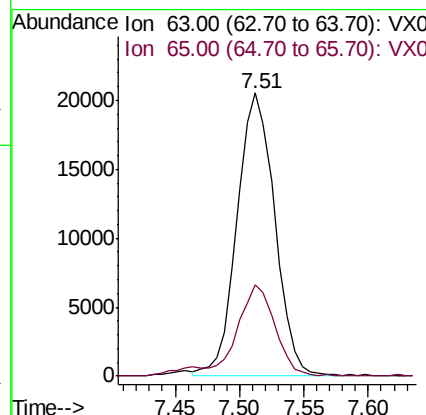
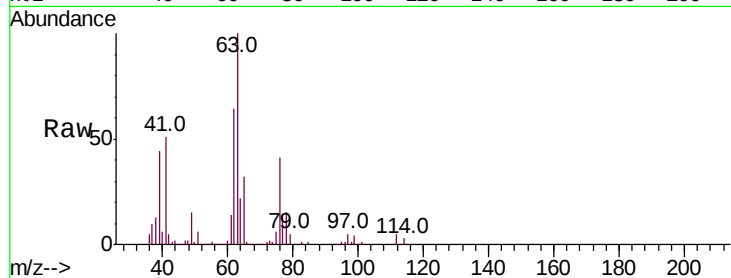
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0724WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.5	25.6	38.4

Manual Integrations
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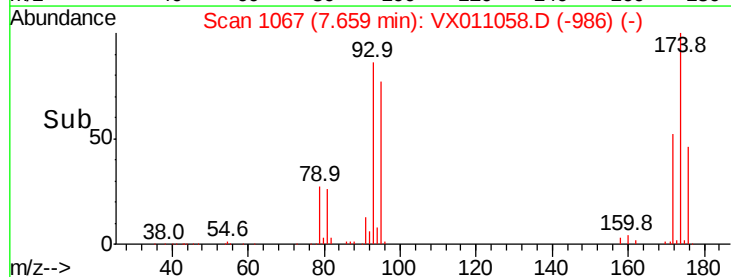
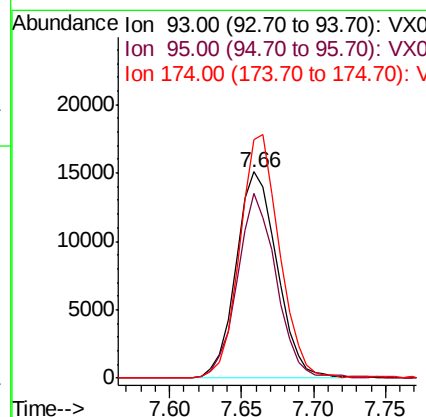
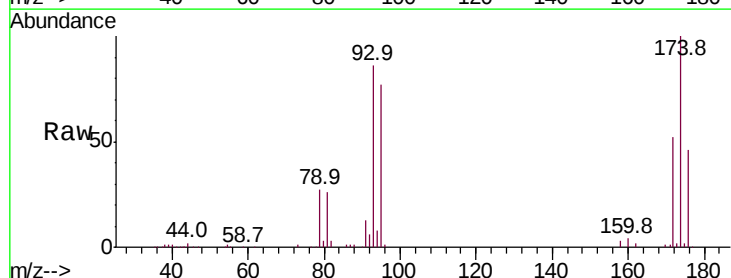
MMDadoda

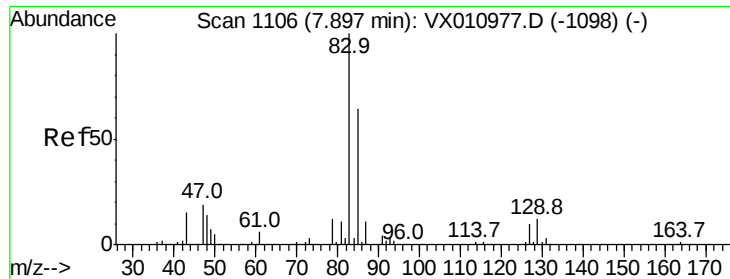
7/25/2019 3:54:50 PM



#40
 Dibromomethane
 Concen: 19.011 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.01 min
 Lab File: VX011058.D
 Acq: 24 Jul 2019 13:42

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.3	0.0	166.0
174	113.4	0.0	229.2





#41
Bromodichloromethane
Concen: 19.265 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

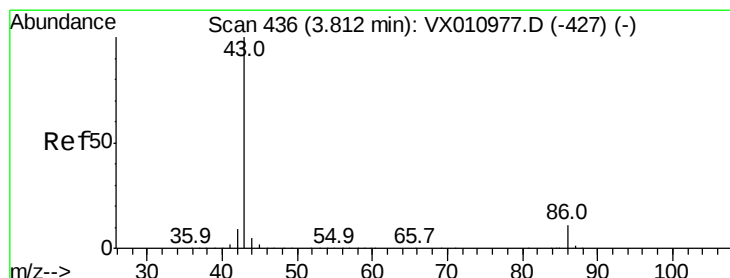
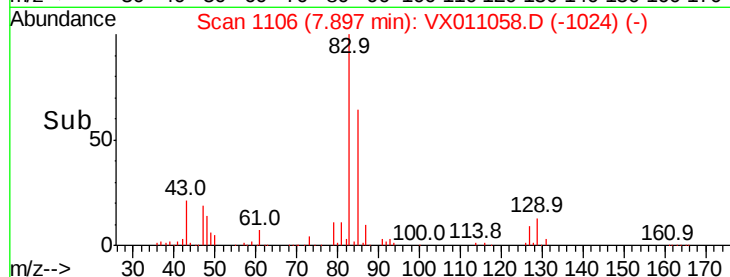
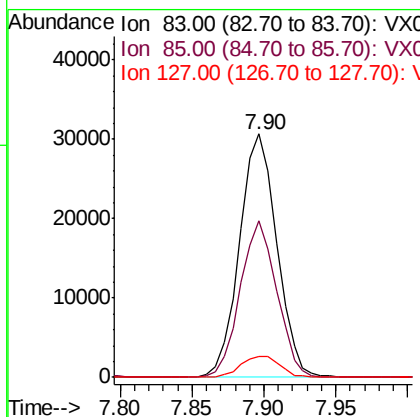
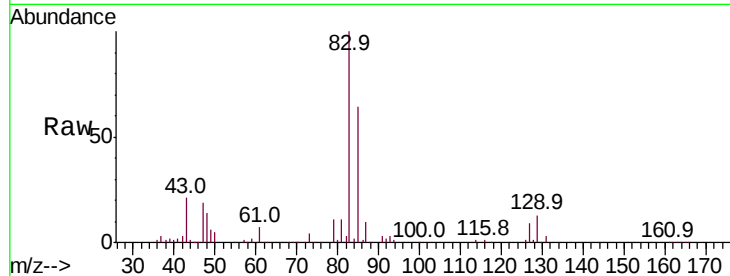
Instrument :
MSVOA_X
ClientSampleId :
VX0724WBS01

Tot Ion	83	Resp	55210
Ion Ratio	100	Lower	Upper
83	100		
85	64.0	50.9	76.3
127	8.6	7.7	11.5

Manual Integrations
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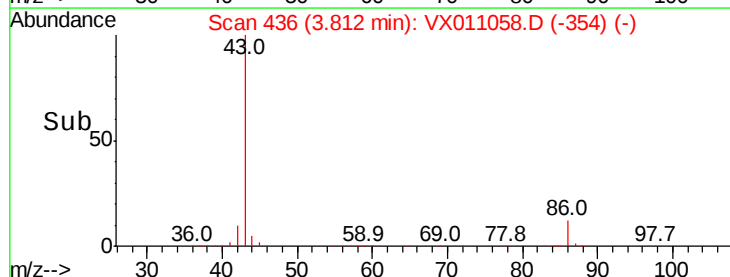
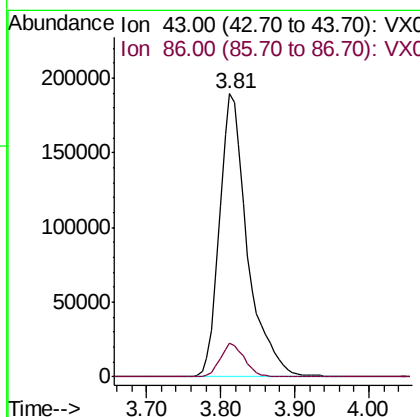
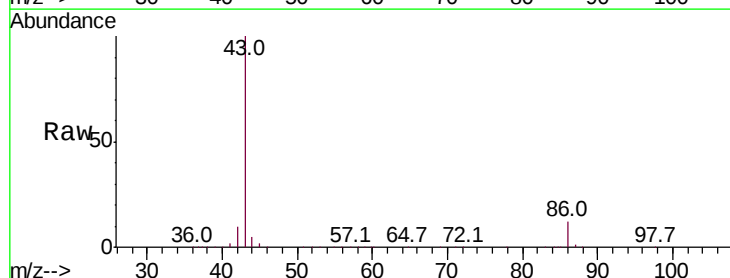
MMDadoda

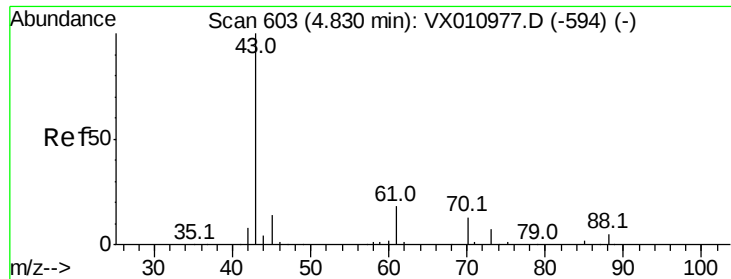
7/25/2019 3:54:50 PM



#42
Vinyl Acetate
Concen: 97.474 ug/l
RT: 3.81 min Scan# 436
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

Tgt Ion	43	Resp	494940
Ion Ratio	100	Lower	Upper
43	100		
86	10.3	8.2	12.2





#43
Ethyl Acetate
Concen: 19.588 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

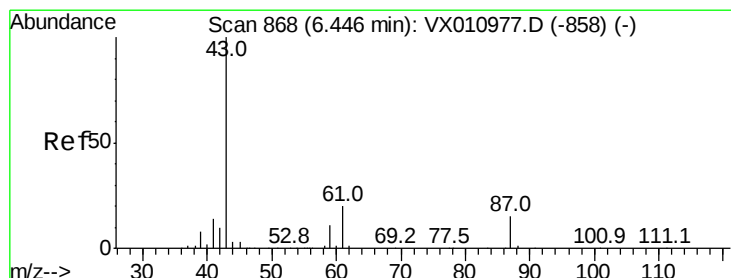
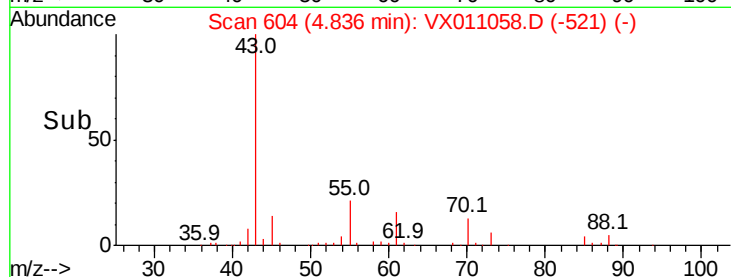
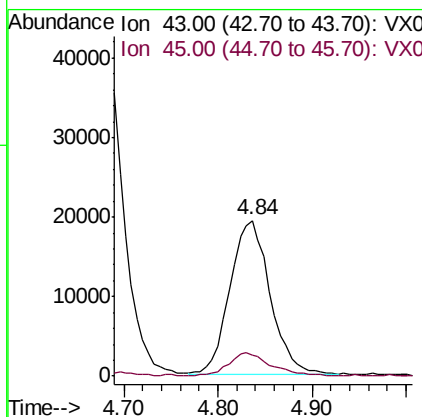
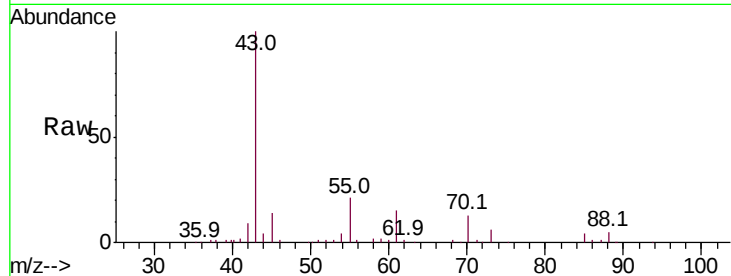
Instrument :
MSVOA_X
ClientSampleId :
VX0724WBS01

Tot Ion: 43 Resp: 57948
Ion Ratio Lower Upper
43 100
45 15.3 12.1 18.1

Manual Integrations
APPROVED

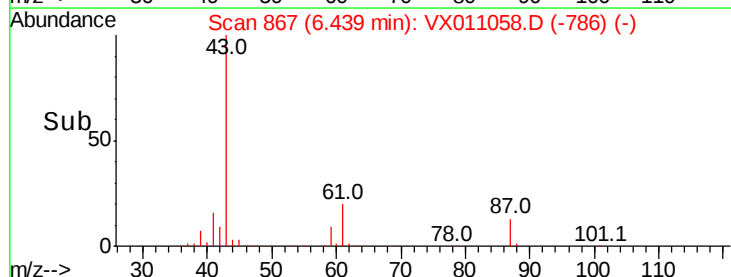
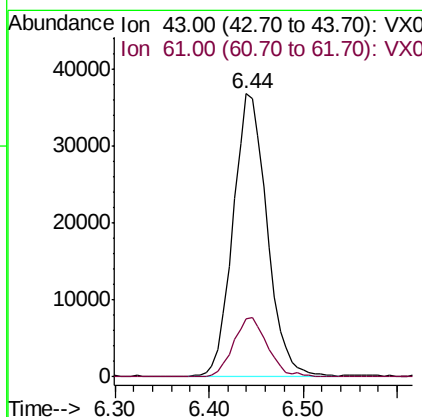
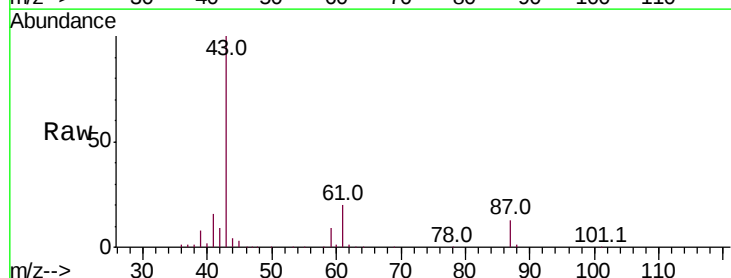
MMDadoda

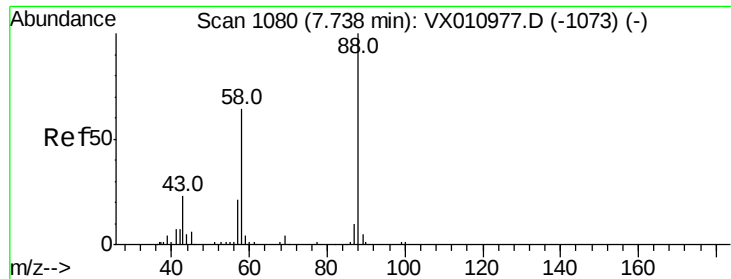
7/25/2019 3:54:50 PM



#44
Isopropyl Acetate
Concen: 19.163 ug/l
RT: 6.44 min Scan# 867
Delta R.T. -0.01 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

Tgt Ion: 43 Resp: 92338
Ion Ratio Lower Upper
43 100
61 20.7 16.7 25.1





#45
1,4-Dioxane
Concen: 404.512 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

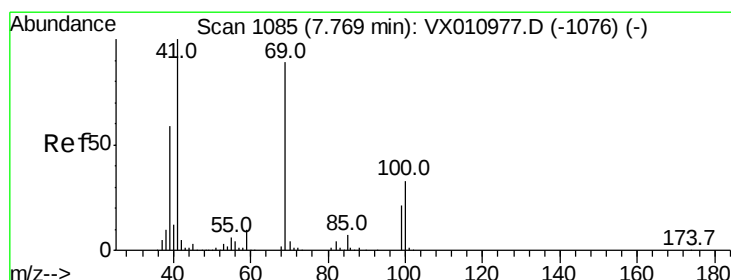
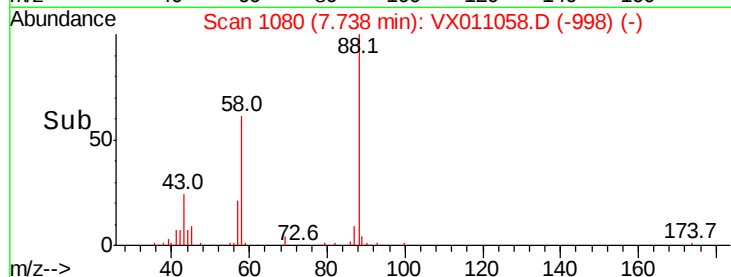
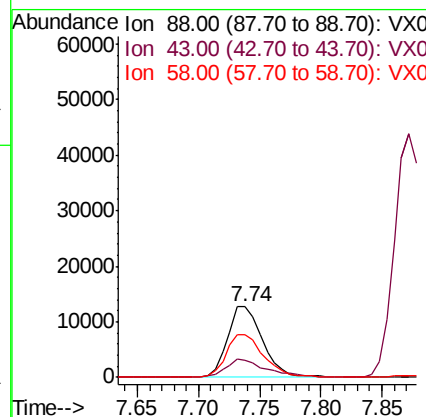
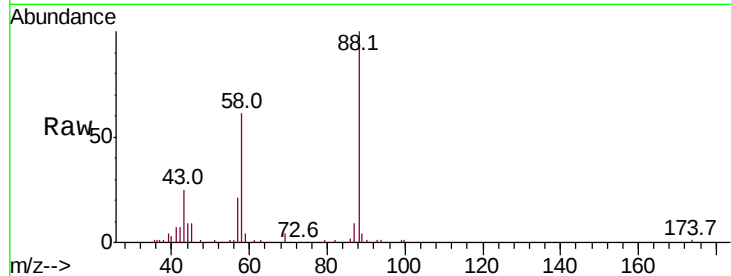
Instrument :
MSVOA_X
ClientSampleId :
VX0724WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.2	21.6	32.4
58	64.4	52.2	78.2

Manual Integrations
APPROVED

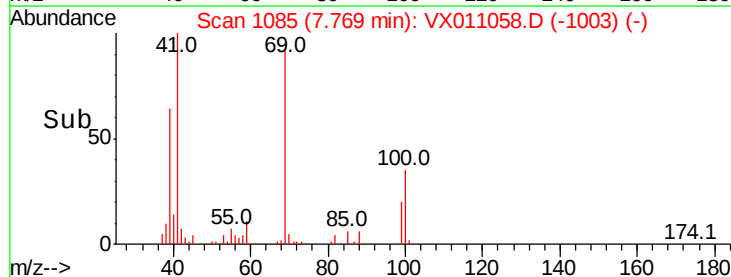
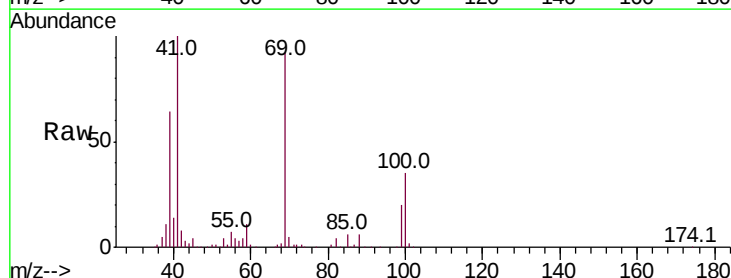
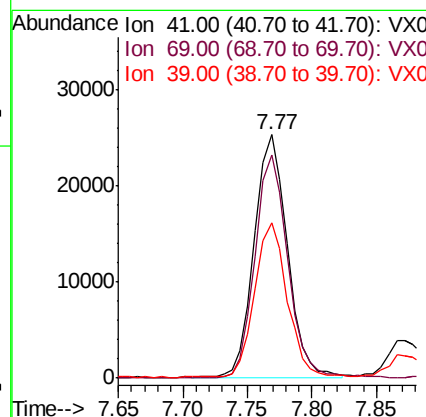
MMDadoda

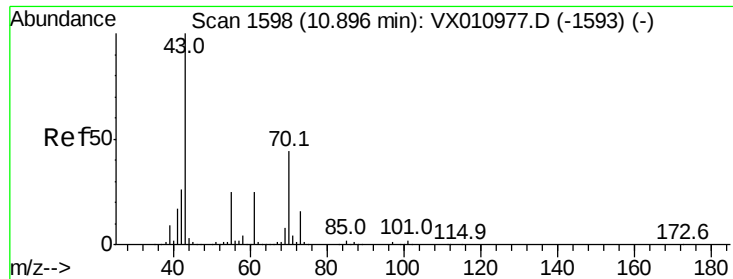
7/25/2019 3:54:50 PM



#46
Methyl methacrylate
Concen: 19.104 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

Tgt Ion	Ratio	Lower	Upper
41	100		
69	91.9	44.7	134.1
39	63.7	29.4	88.2





#47
n-amvl Acetate
Concen: 18.927 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

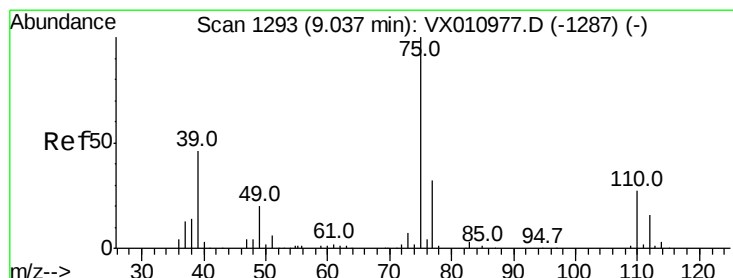
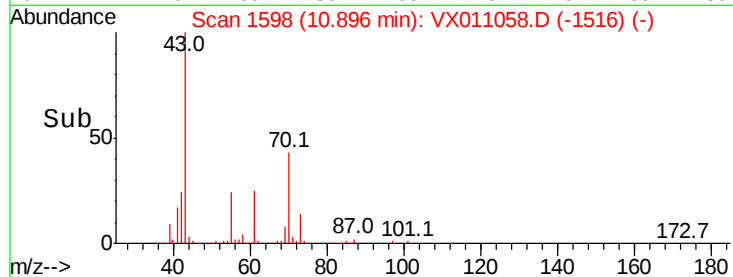
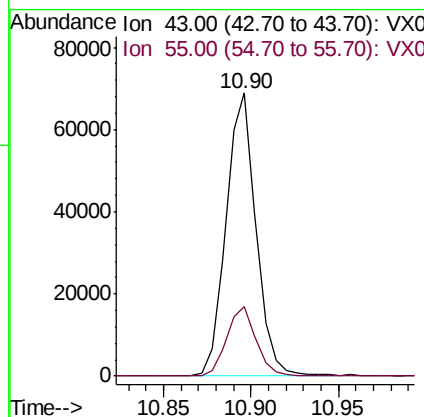
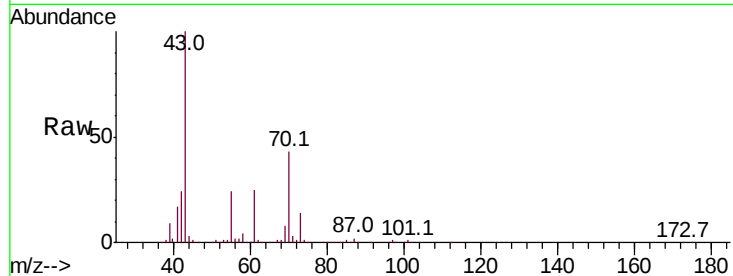
Instrument :
MSVOA_X
ClientSampleId :
VX0724WBS01

Tot Ion	43	55	Ratio	100	24.3	Resp	81797	Lower	19.6	Upper	29.4
Ion	43	55	Ratio	100	24.3	Resp	81797	Lower	19.6	Upper	29.4

Manual Integrations
APPROVED

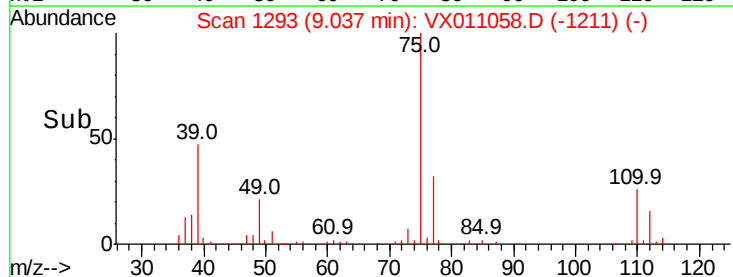
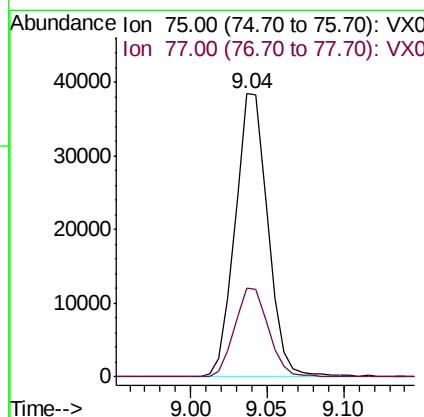
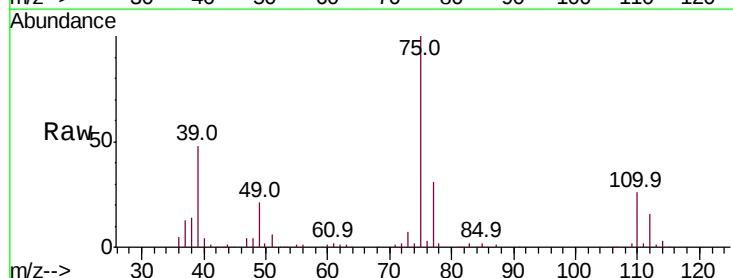
MMDadoda

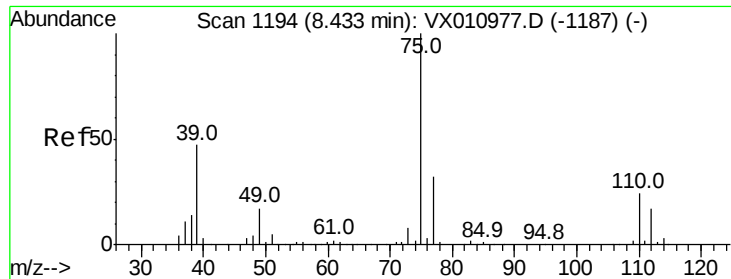
7/25/2019 3:54:50 PM



#48
t-1,3-Dichloropropene
Concen: 18.862 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

Tgt Ion	75	77	Ratio	100	31.5	Resp	56969	Lower	25.7	Upper	38.5
Ion	75	77	Ratio	100	31.5	Resp	56969	Lower	25.7	Upper	38.5





#49
 cis-1,3-Dichloropropene
 Concen: 19.513 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX011058.D
 Acq: 24 Jul 2019 13:42

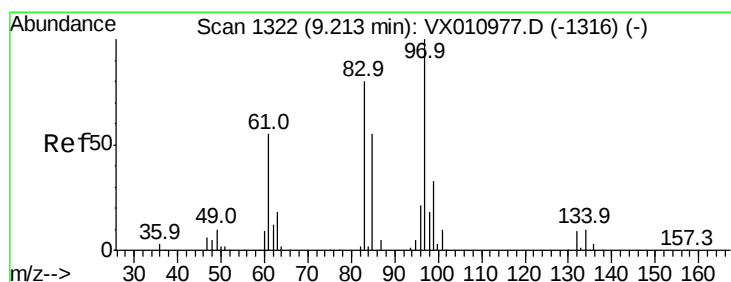
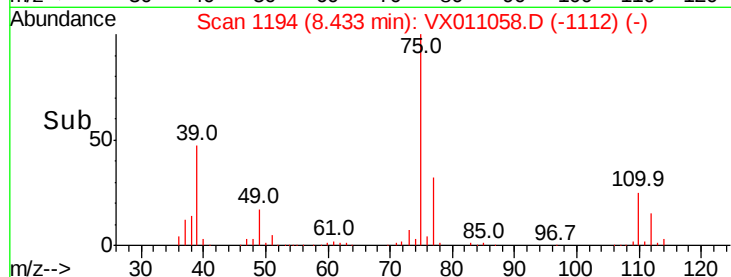
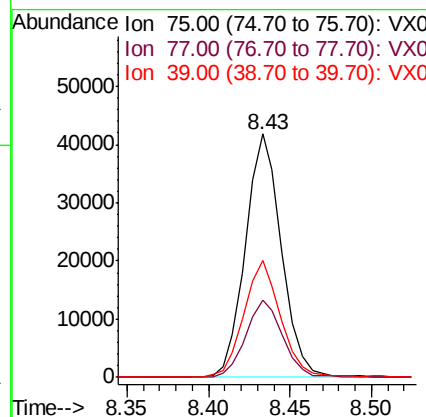
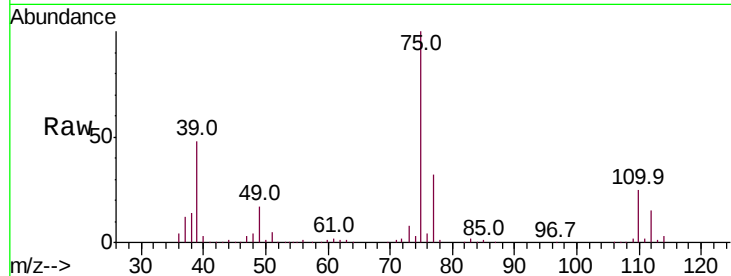
Instrument :
 MSVOA_X
 ClientSampled :
 VX0724WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.3	37.9
39	47.6	37.8	56.6

Manual Integrations
 APPROVED

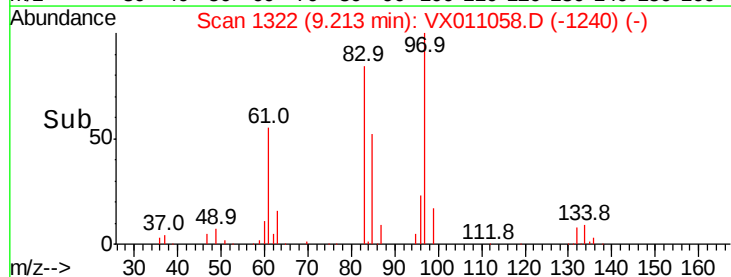
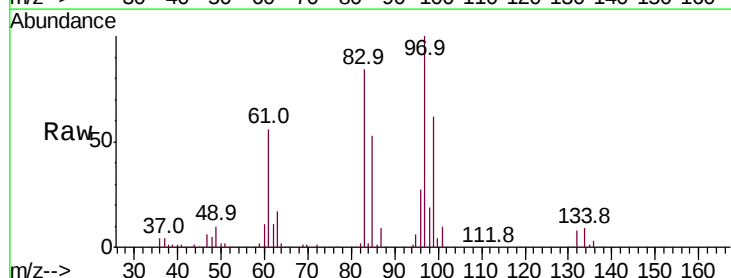
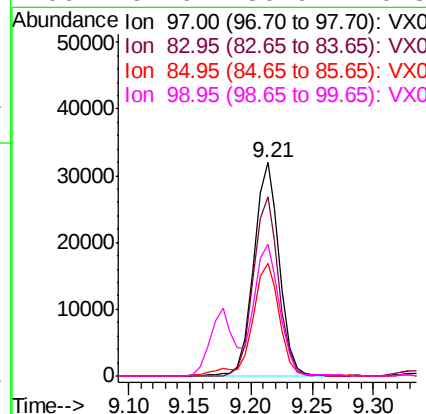
MMDadoda

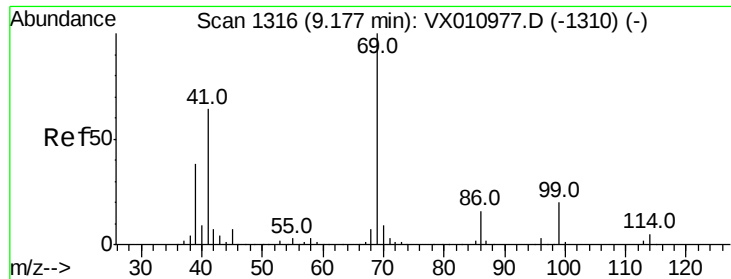
7/25/2019 3:54:50 PM



#50
 1,1,2-Trichloroethane
 Concen: 20.227 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX011058.D
 Acq: 24 Jul 2019 13:42

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.9	63.9	95.9
85	52.6	43.4	65.2
99	61.6	50.9	76.3





#51

Ethyl methacrylate

Concen: 18.878 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

Instrument :

MSVOA_X

ClientSampled :

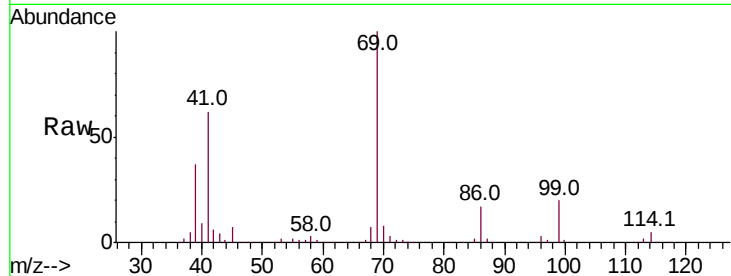
VX0724WBS01

Tot Ion:	69	Resp:	67279
Ion	Ratio	Lower	Upper
69	100		
41	61.4	32.1	96.3
39	36.9	19.1	57.3

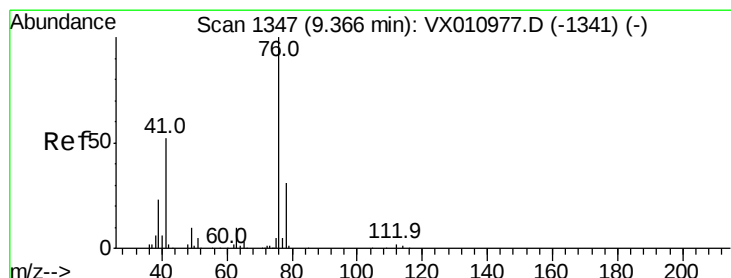
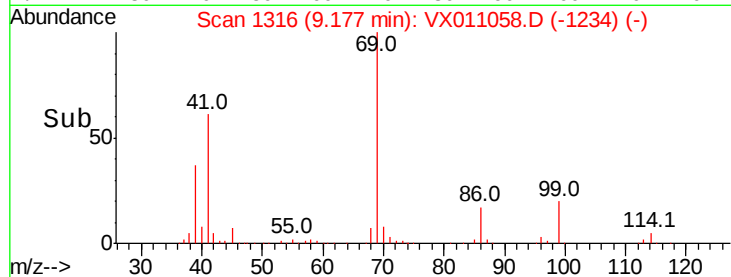
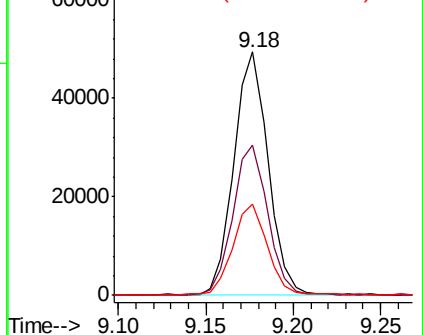
Manual Integrations
APPROVED

MMDadoda

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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: 19.721 ug/l

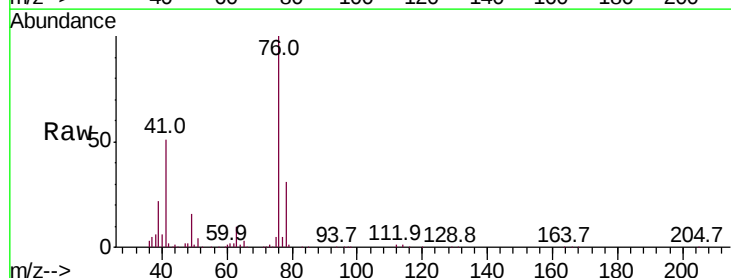
RT: 9.37 min Scan# 1348

Delta R.T. 0.01 min

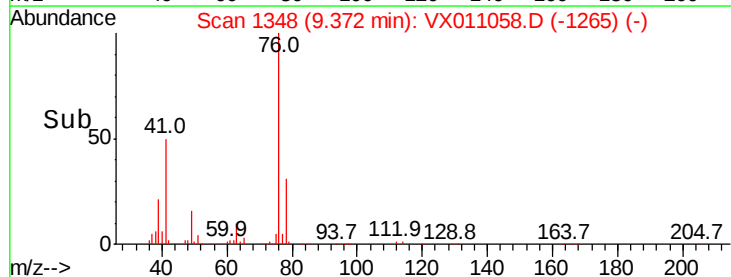
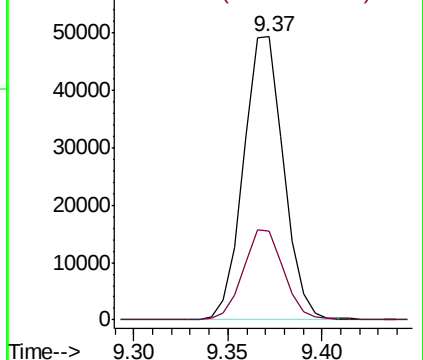
Lab File: VX011058.D

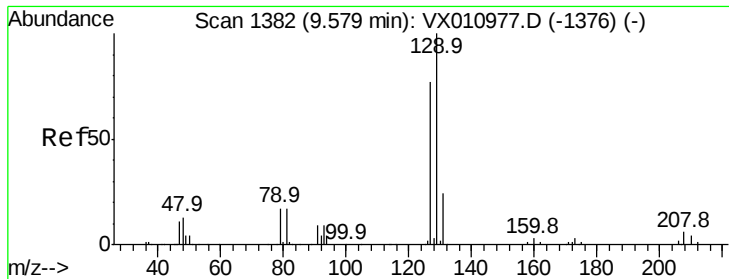
Acq: 24 Jul 2019 13:42

Tgt Ion:	76	Resp:	73025
Ion	Ratio	Lower	Upper
76	100		
78	32.1	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: 18.523 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

VX0724WBS01

Tot Ion:129 Resp: 46096

Ion Ratio Lower Upper

129 100

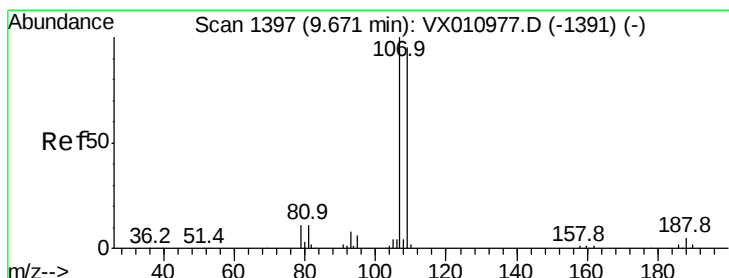
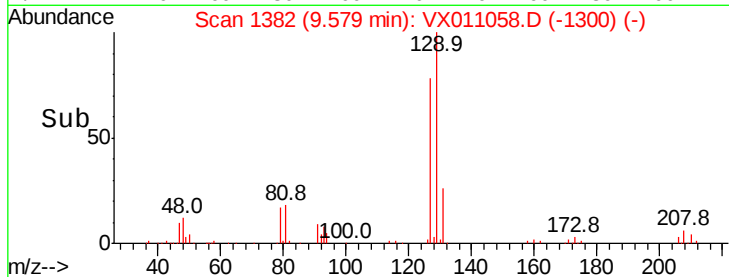
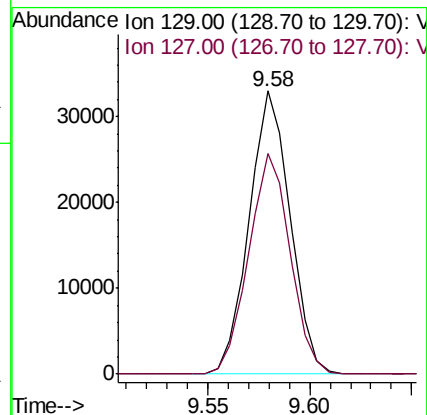
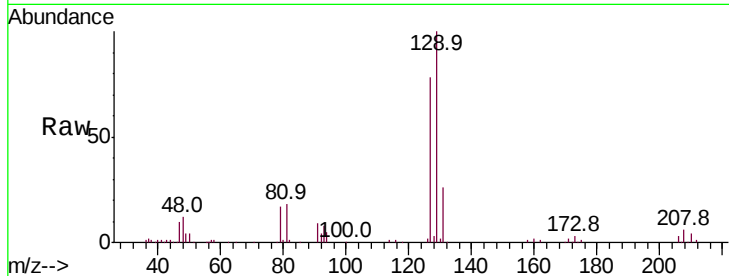
127 79.0 38.1 114.3

Manual Integrations

APPROVED

MMDadoda

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#54

1,2-Dibromoethane

Concen: 19.854 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX011058.D

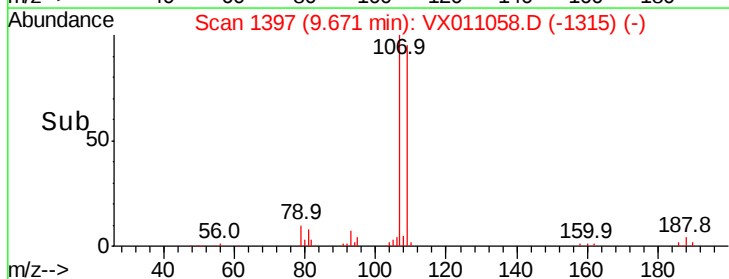
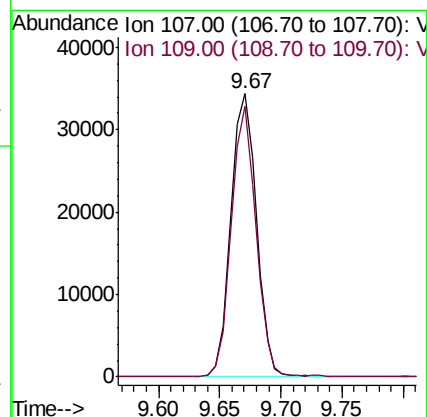
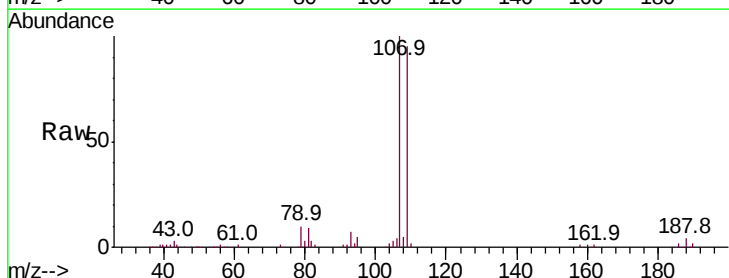
Acq: 24 Jul 2019 13:42

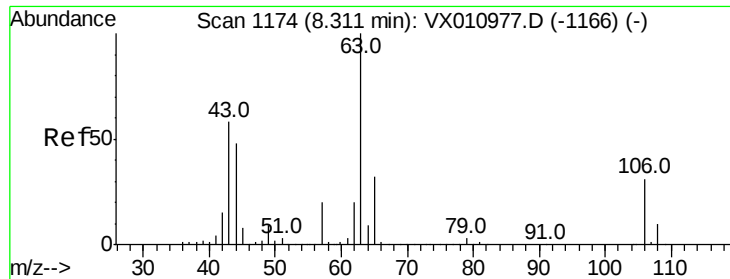
Tgt Ion:107 Resp: 49718

Ion Ratio Lower Upper

107 100

109 92.2 77.1 115.7





#55
2-Chloroethyl vinyl ether
Concen: 97.076 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

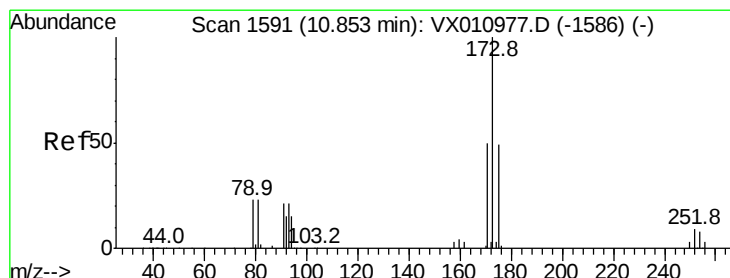
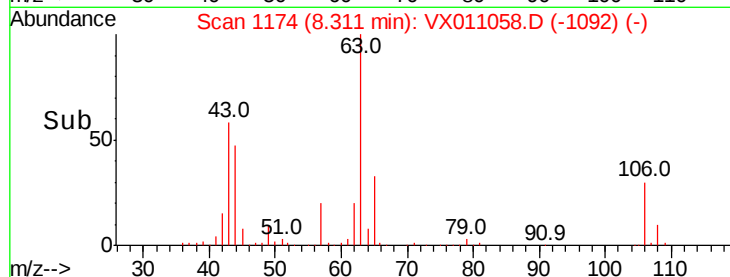
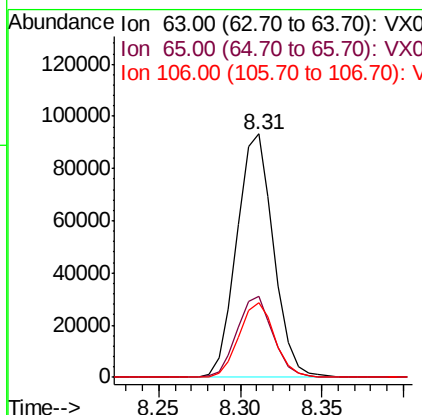
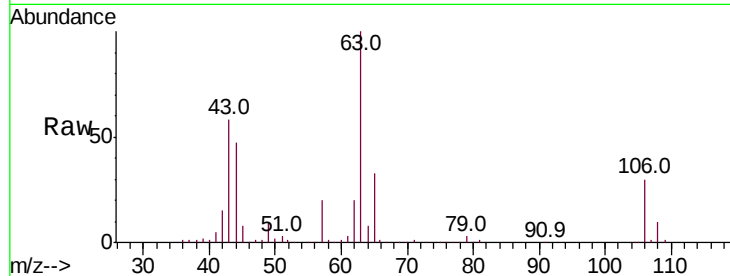
Instrument :
MSVOA_X
ClientSampleId :
VX0724WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.5	25.7	38.5
106	30.0	24.8	37.2

Manual Integrations
APPROVED

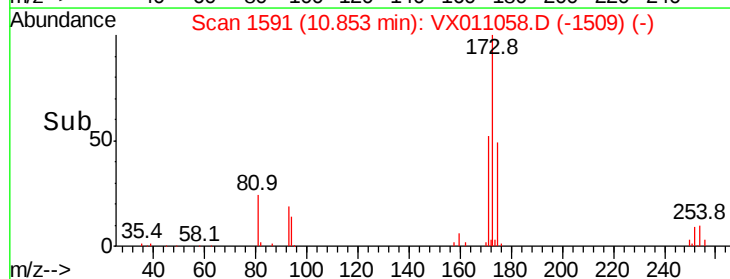
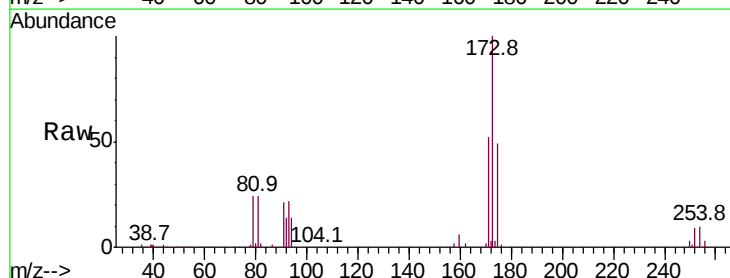
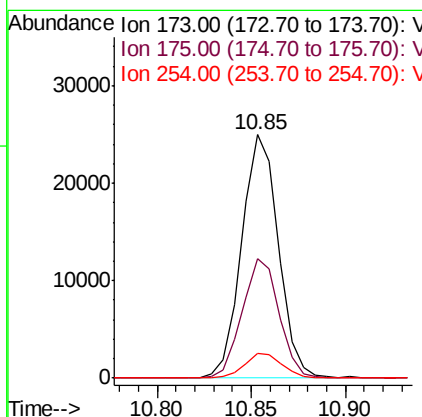
MMDadoda

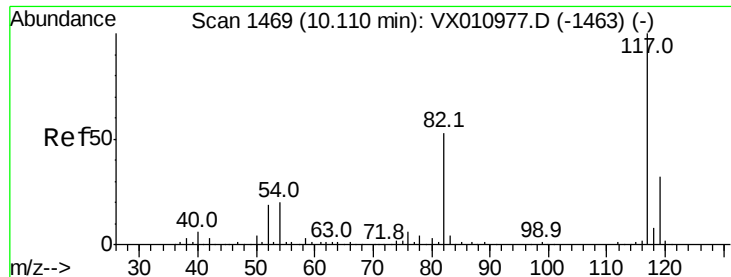
7/25/2019 3:54:50 PM



#56
Bromoform
Concen: 18.199 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.1	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: VX011058.D
Acq: 24 Jul 2019 13:42

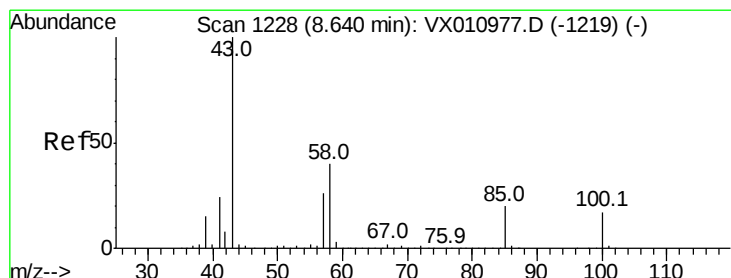
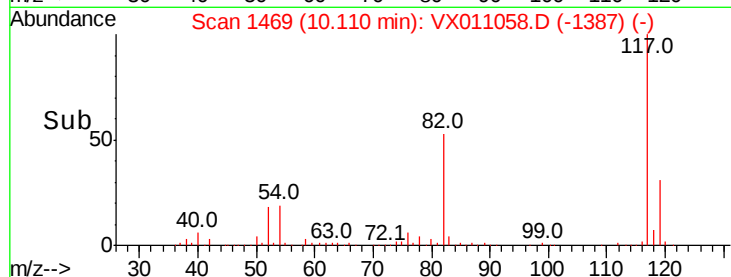
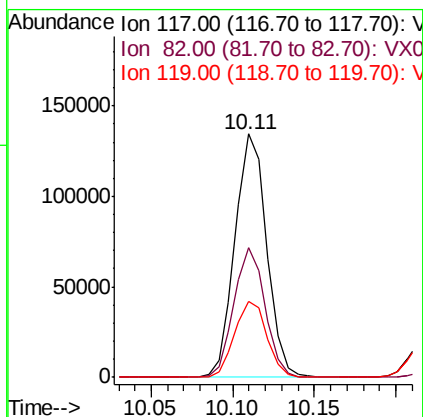
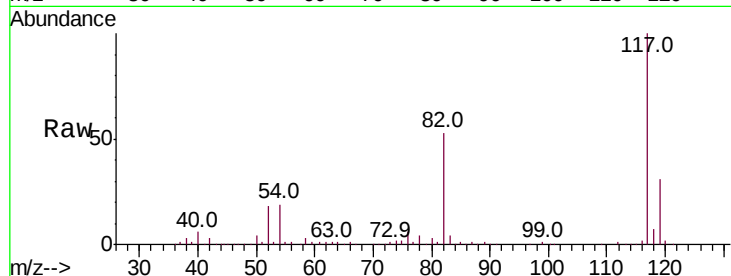
Instrument :
MSVOA_X
ClientSampled :
VX0724WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	41.6	62.4
119	31.8	26.0	39.0

Manual Integrations
APPROVED

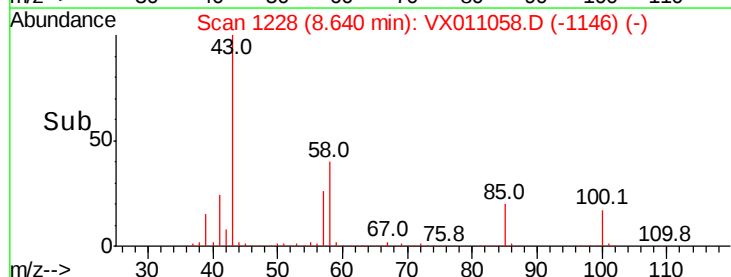
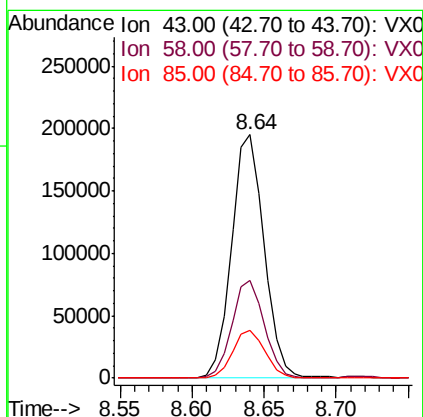
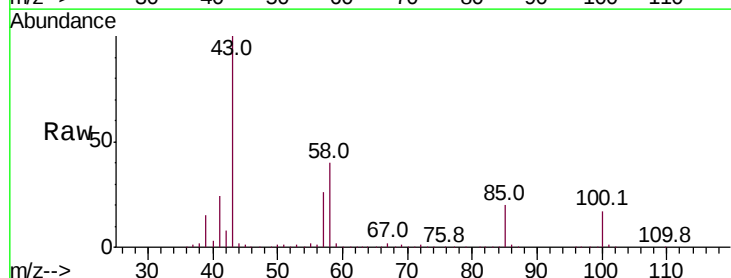
MMDadoda

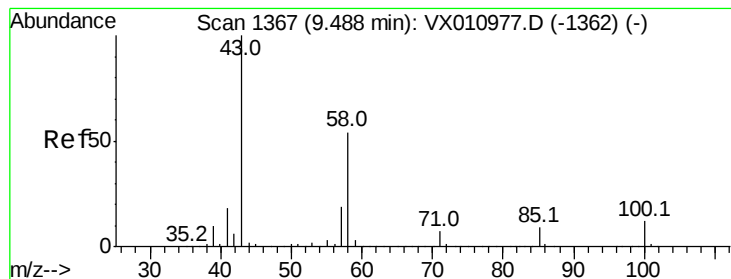
7/25/2019 3:54:50 PM



#58
4-Methyl-2-Pentanone
Concen: 99.915 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.9	32.6	48.8
85	19.4	15.8	23.6





#59

2-Hexanone

Concen: 102.247 ug/l

RT: 9.49 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

Instrument :

MSVOA_X

ClientSampled :

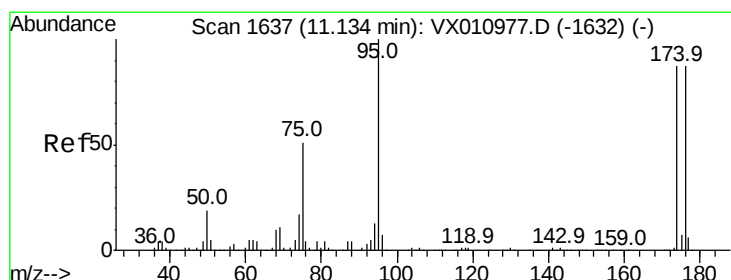
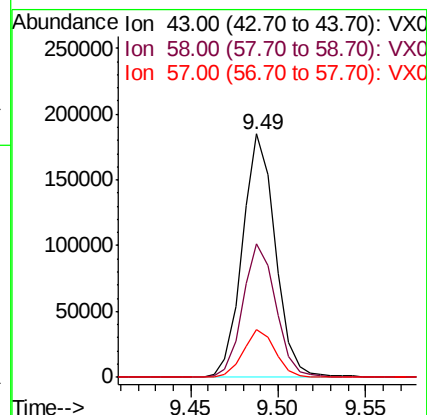
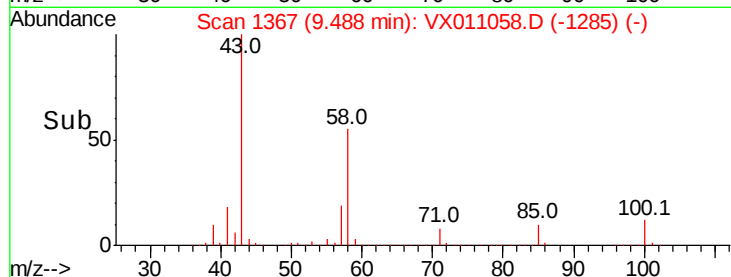
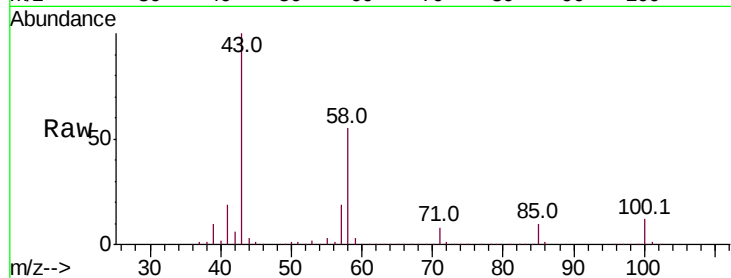
VX0724WBS01

Tot Ion:	43	Resp:	241240
Ion	Ratio	Lower	Upper
43	100		
58	55.5	44.7	67.1
57	19.2	15.4	23.2

Manual Integrations
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#60

4-Bromofluorobenzene

Concen: 29.484 ug/l

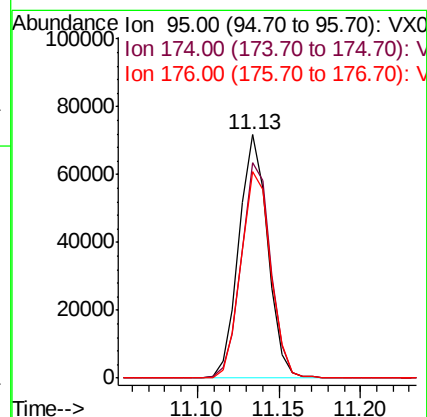
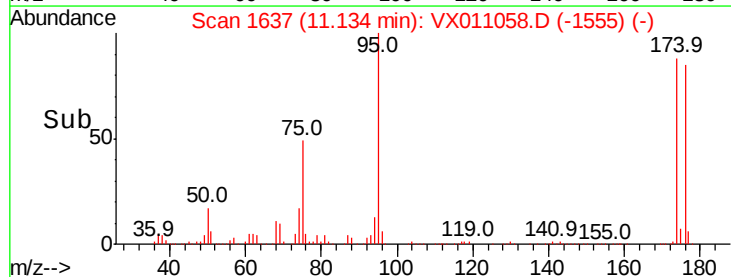
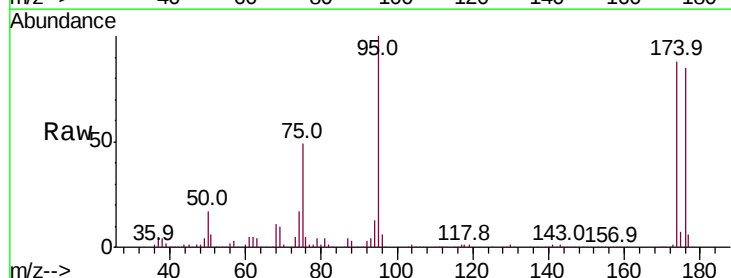
RT: 11.13 min Scan# 1637

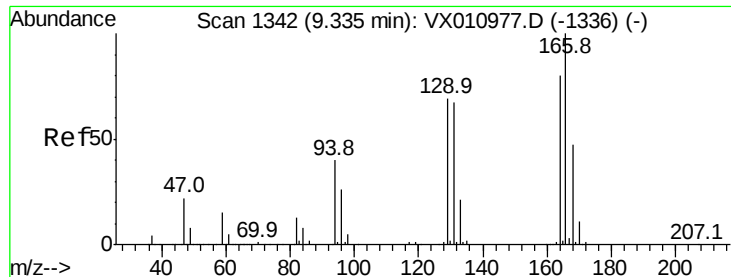
Delta R.T. -0.00 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

Tgt Ion:	95	Resp:	88597
Ion	Ratio	Lower	Upper
95	100		
174	90.3	73.3	109.9
176	88.0	71.2	106.8





#61

Tetrachloroethene

Concen: 19.915 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

VX0724WBS01

Tot Ion:164 Resp: 48006

Ion Ratio Lower Upper

164 100

166 131.4 100.1 150.1

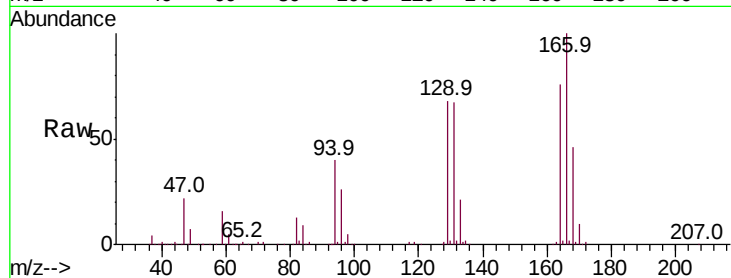
129 89.5 69.6 104.4

131 87.3 67.0 100.6

Manual Integrations
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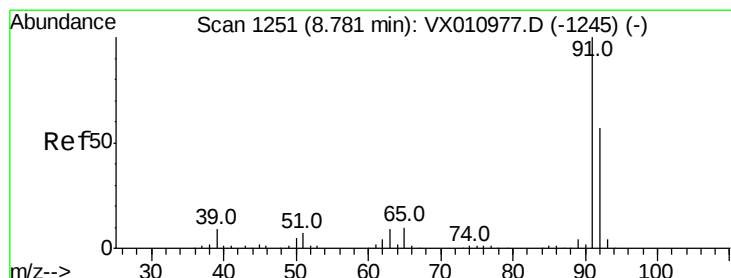
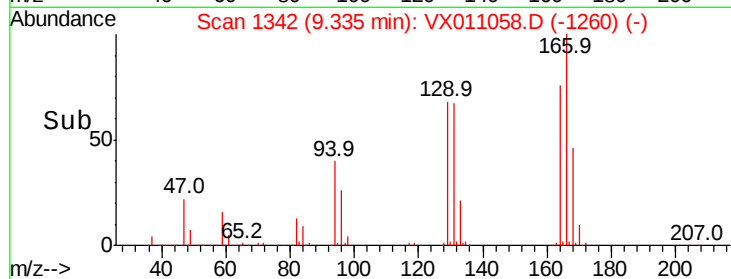
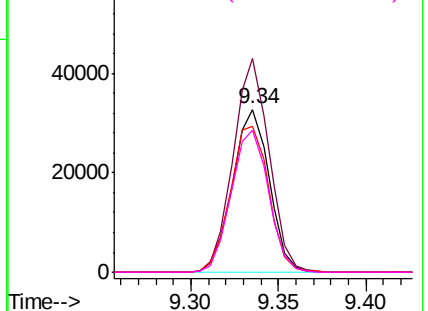
Abundance

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: 19.544 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX011058.D

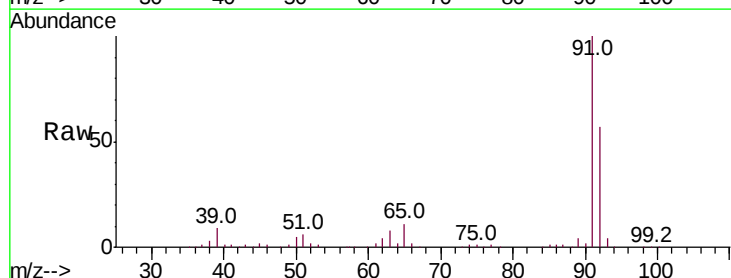
Acq: 24 Jul 2019 13:42

Tgt Ion: 91 Resp: 189555

Ion Ratio Lower Upper

91 100

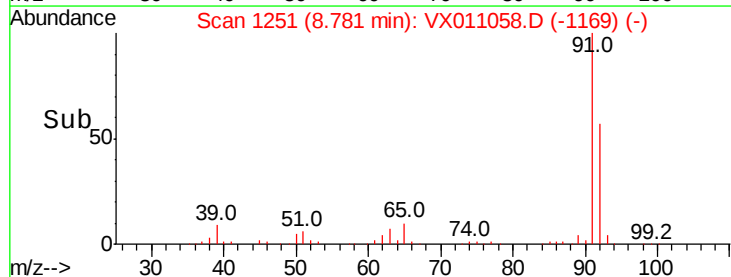
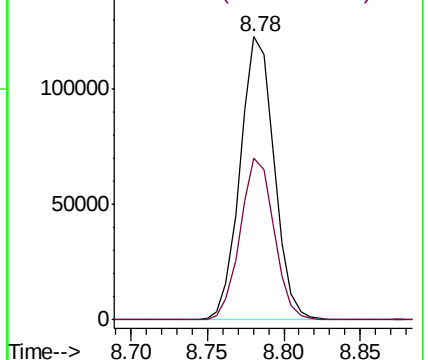
92 56.8 45.4 68.2

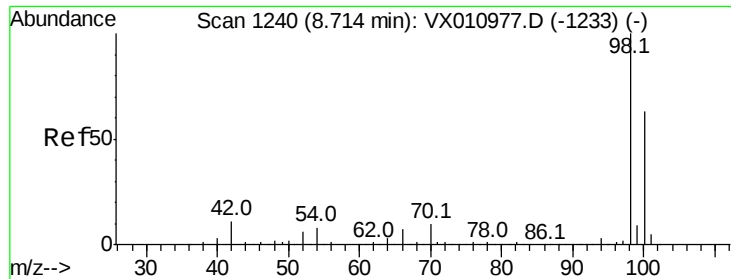


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63
Toluene-d8
Concen: 30.238 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

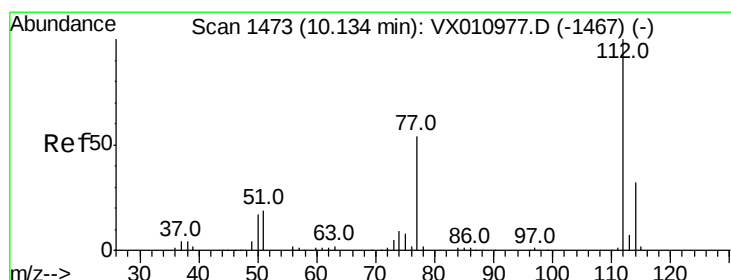
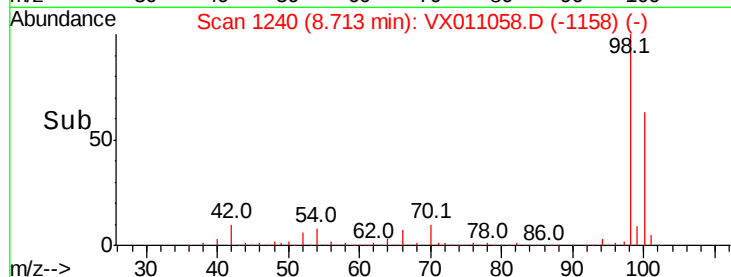
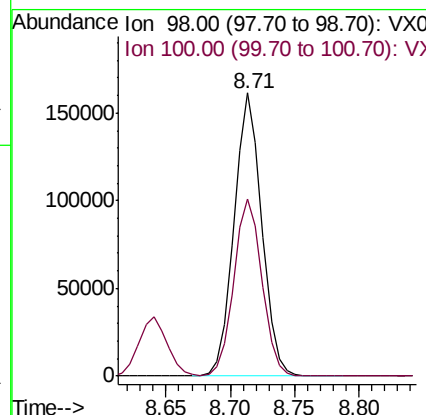
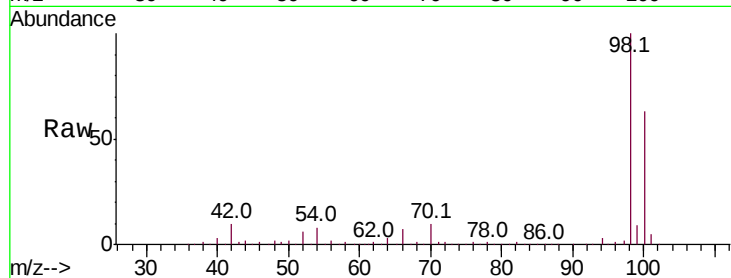
Instrument :
MSVOA_X
ClientSampleId :
VX0724WBS01

Tot Ion: 98 Resp: 242651
Ion Ratio Lower Upper
98 100
100 63.7 51.4 77.0

Manual Integrations
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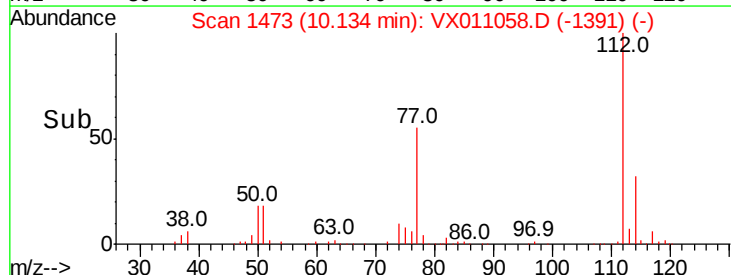
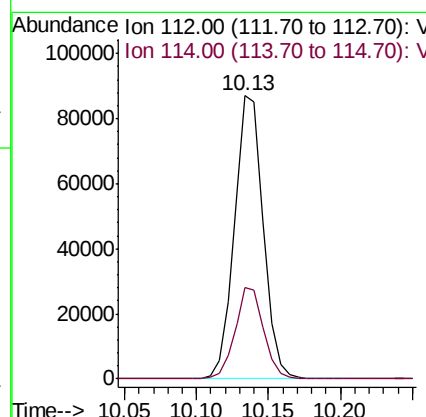
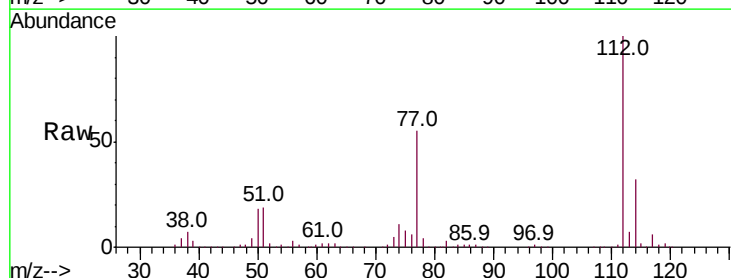
MMDadoda

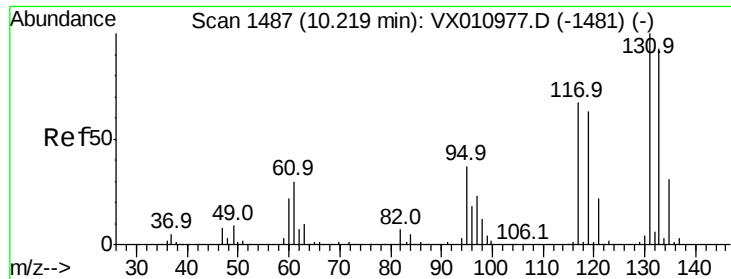
7/25/2019 3:54:50 PM



#64
Chlorobenzene
Concen: 19.662 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

Tgt Ion: 112 Resp: 122178
Ion Ratio Lower Upper
112 100
114 32.2 25.3 37.9





#65

1,1,1,2-Tetrachloroethane

Concen: 19.631 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

Instrument :

MSVOA_X

ClientSampled :

VX0724WBS01

Tot Ion:131 Resp: 44336

Ion Ratio Lower Upper

131 100

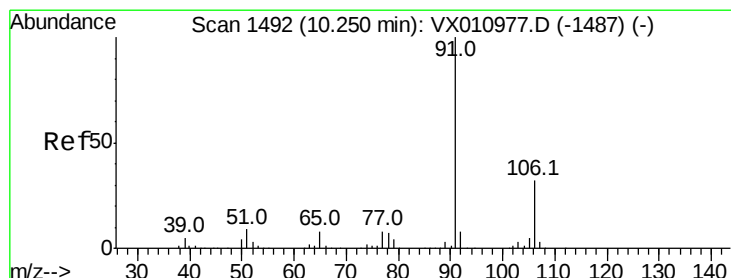
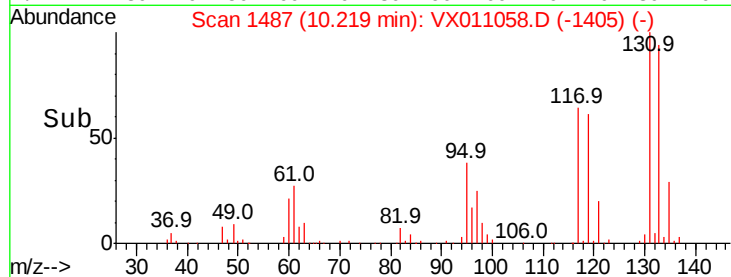
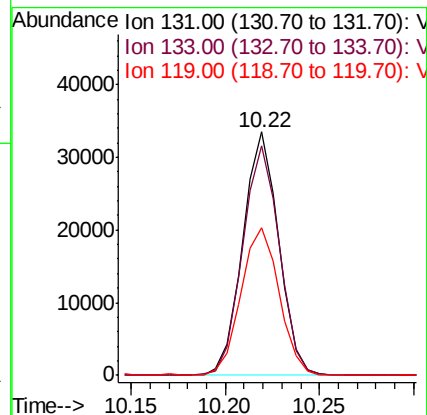
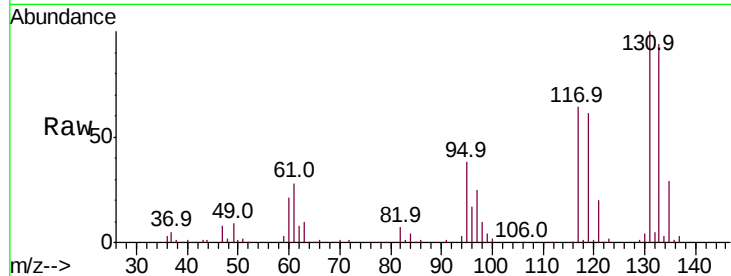
133 95.9 0.0 190.2

119 64.3 0.0 127.0

Manual Integrations
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#66

Ethyl Benzene

Concen: 19.157 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX011058.D

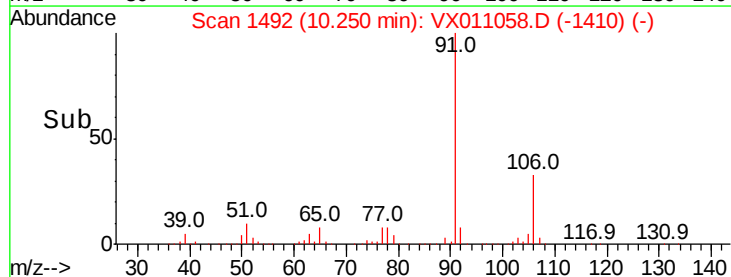
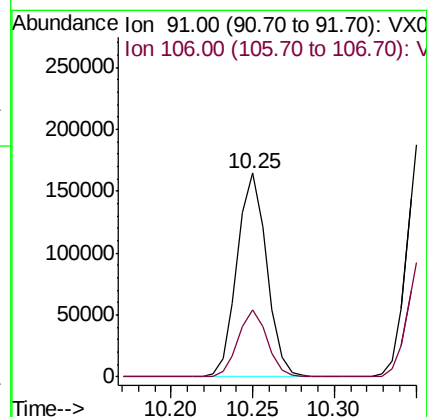
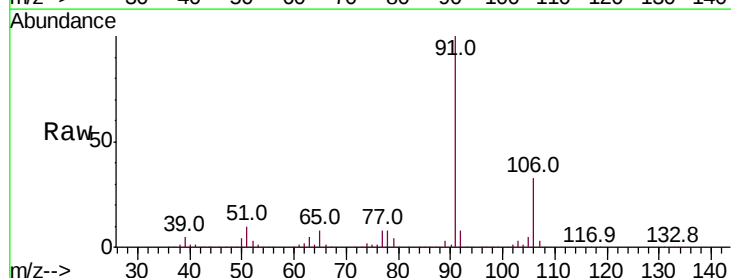
Acq: 24 Jul 2019 13:42

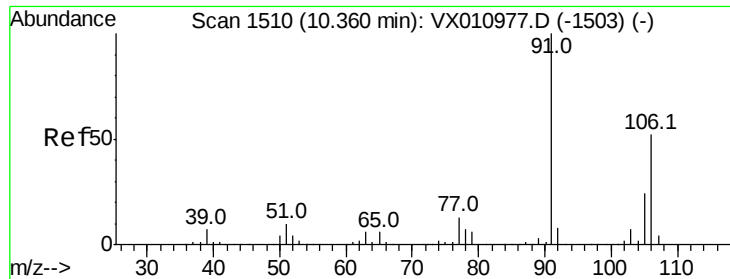
Tgt Ion: 91 Resp: 209168

Ion Ratio Lower Upper

91 100

106 33.1 25.8 38.8





#67
m/p-Xylenes
Concen: 39.232 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

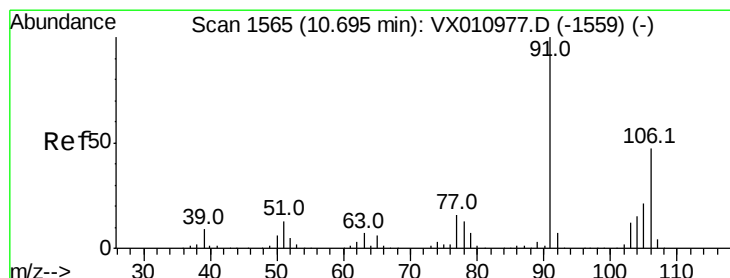
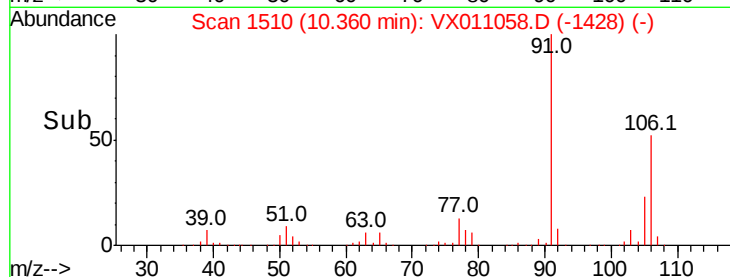
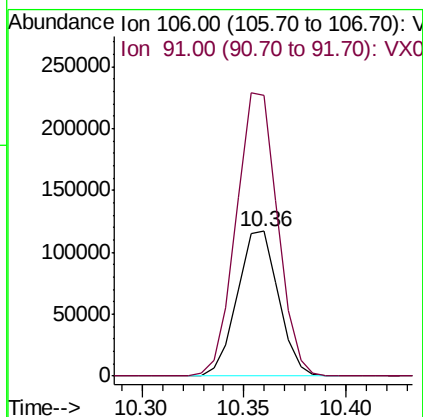
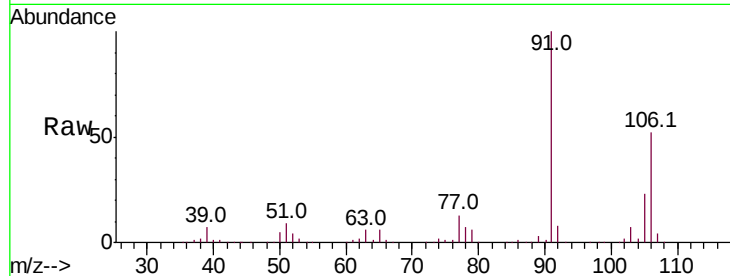
Instrument :
MSVOA_X
ClientSampled :
VX0724WBS01

Tot Ion:106 Resp: 163889
Ion Ratio Lower Upper
106 100
91 197.3 156.6 235.0

Manual Integrations
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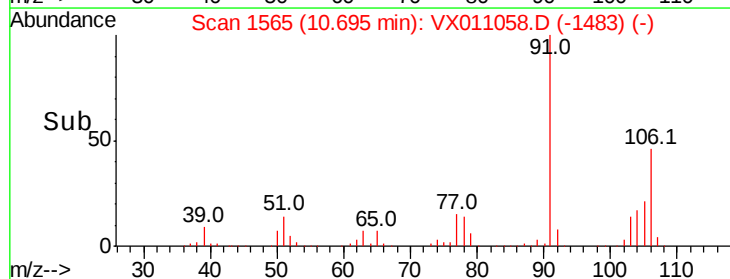
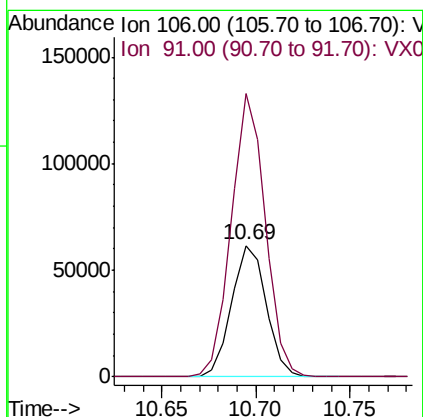
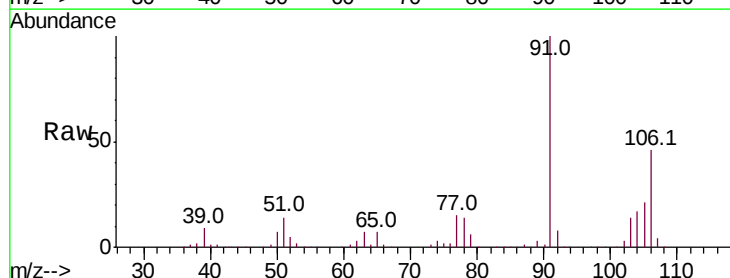
MMDadoda

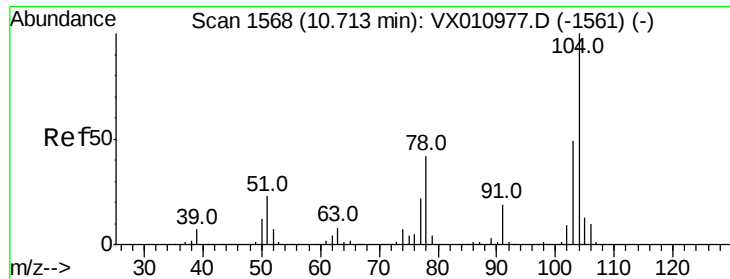
7/25/2019 3:54:50 PM



#68
o-Xylene
Concen: 19.253 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

Tgt Ion:106 Resp: 78806
Ion Ratio Lower Upper
106 100
91 210.9 104.0 312.0





#69
Stvrene
Concen: 19.508 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

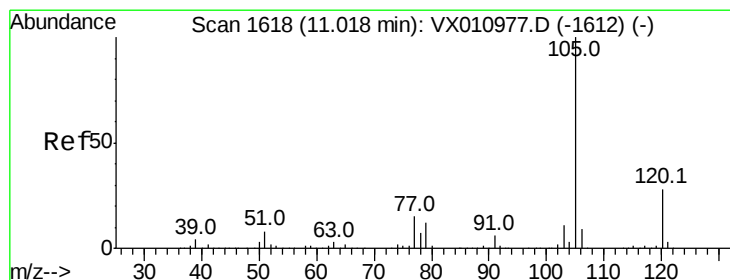
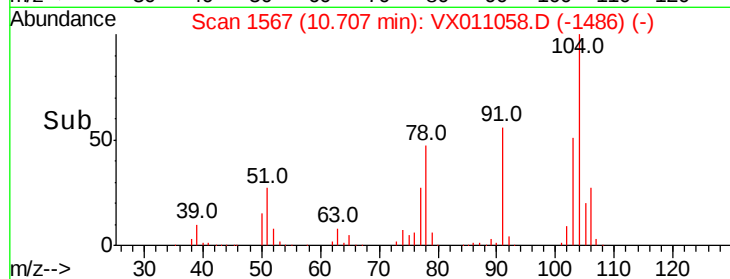
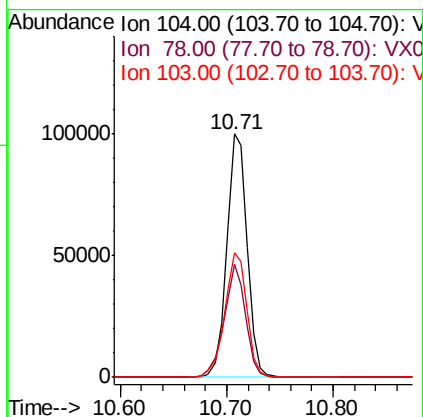
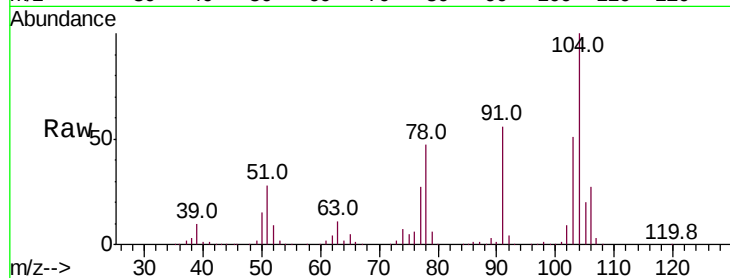
Instrument :
MSVOA_X
ClientSampled :
VX0724WBS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.4	38.5	57.7
103	55.3	44.6	67.0

Manual Integrations
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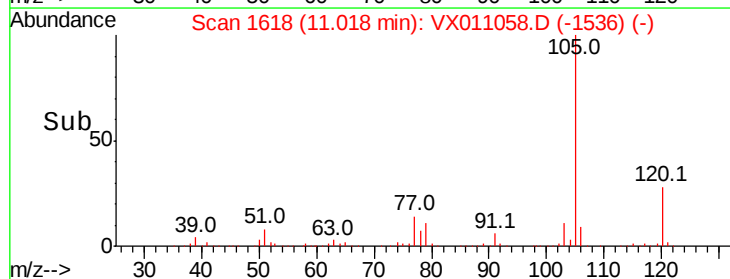
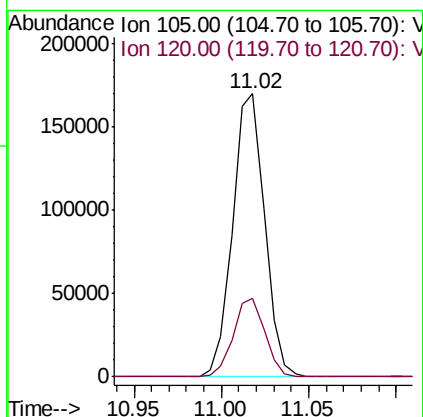
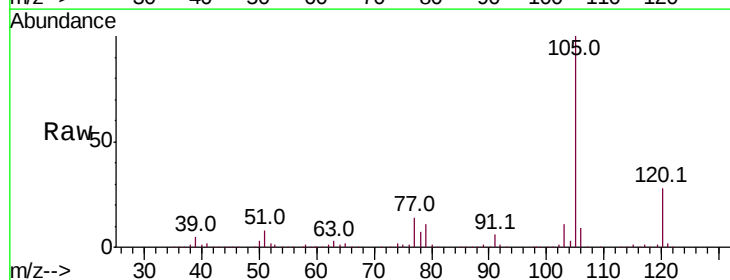
MMDadoda

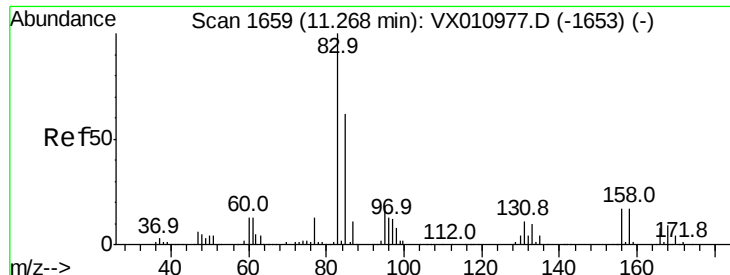
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#70
Isopropylbenzene
Concen: 19.765 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.5	19.4	36.0





#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.743 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VX011058.D
 Acq: 24 Jul 2019 13:42

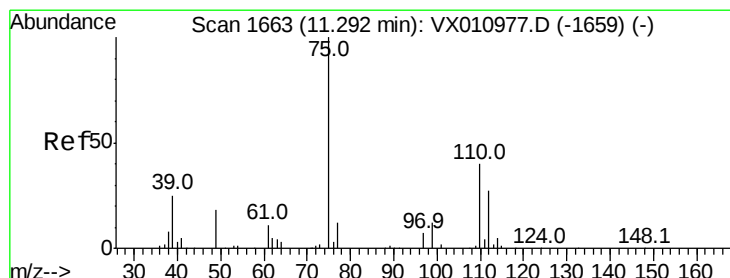
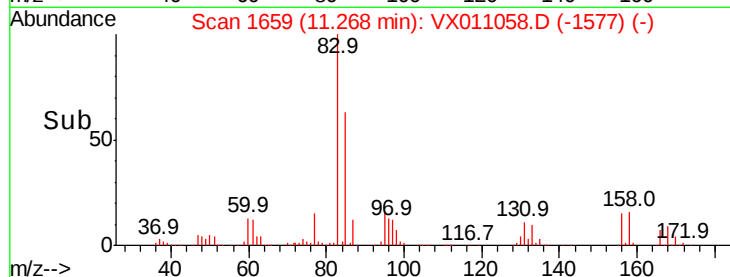
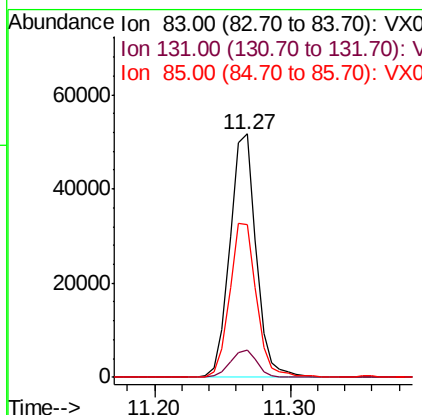
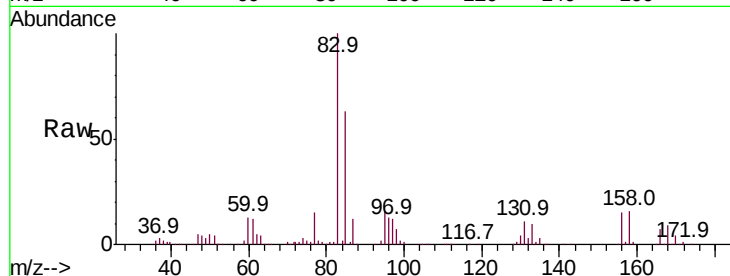
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0724WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.5	16.4
85	64.6	32.1	96.3

Manual Integrations
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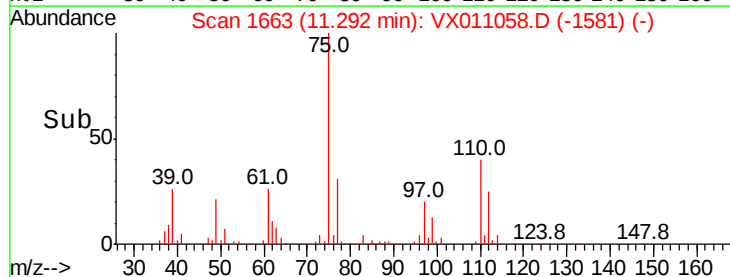
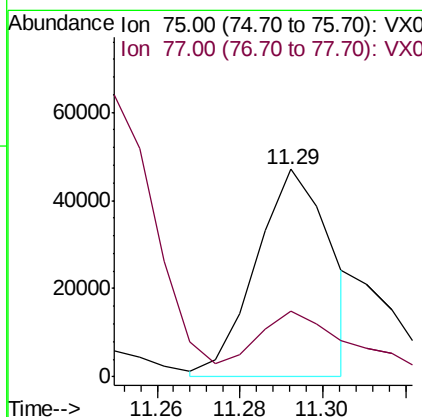
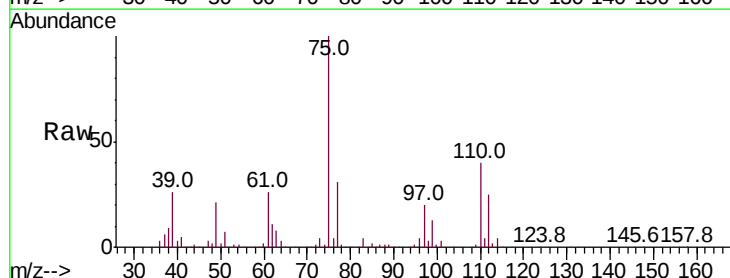
MMDadoda

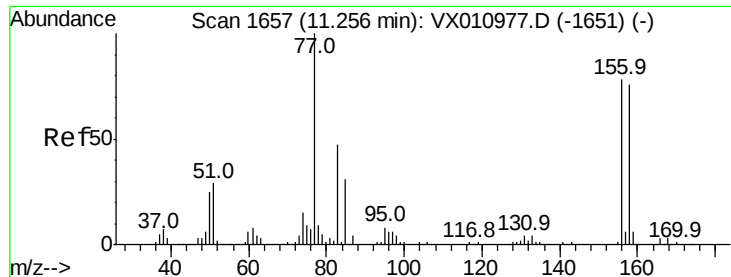
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#72
 1,2,3-Trichloropropane
 Concen: 20.074 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: VX011058.D
 Acq: 24 Jul 2019 13:42

Tgt Ion	Ratio	Lower	Upper
75	100		
77	40.7	0.0	84.0





#73

Bromobenzene

Concen: 19.272 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

VX0724WBS01

Tot Ion:156 Resp: 56675

Ion Ratio Lower Upper

156 100

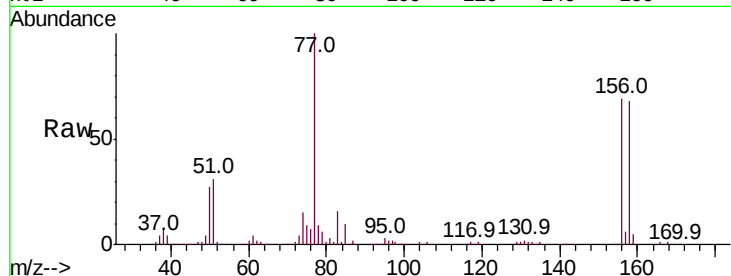
77 139.9 0.0 275.8

158 99.7 0.0 195.2

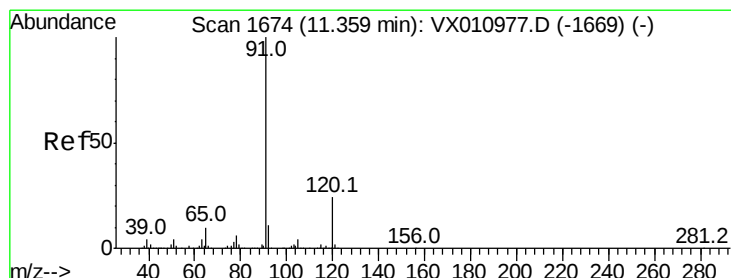
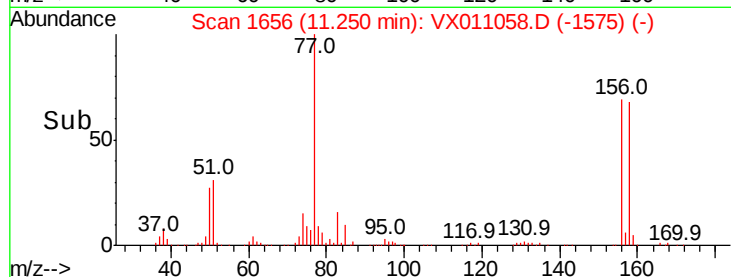
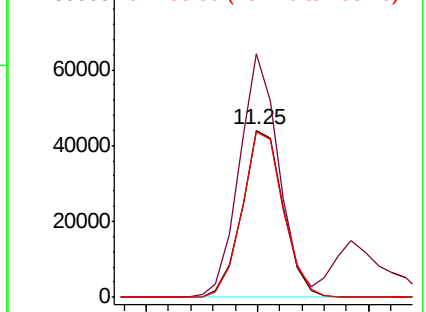
Manual Integrations
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Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.646 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX011058.D

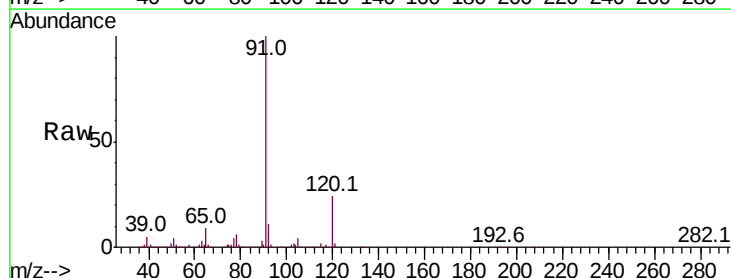
Acq: 24 Jul 2019 13:42

Tgt Ion: 91 Resp: 241000

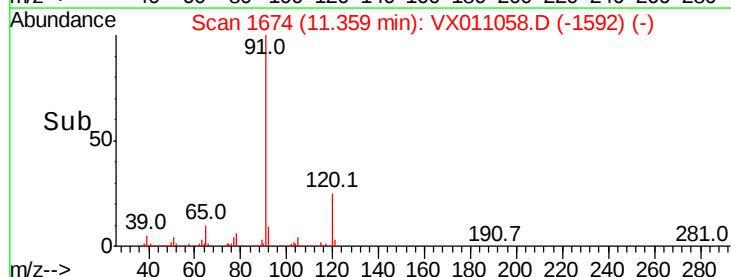
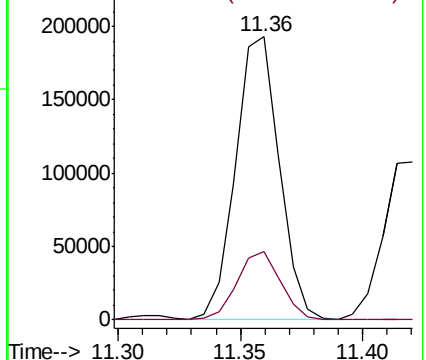
Ion Ratio Lower Upper

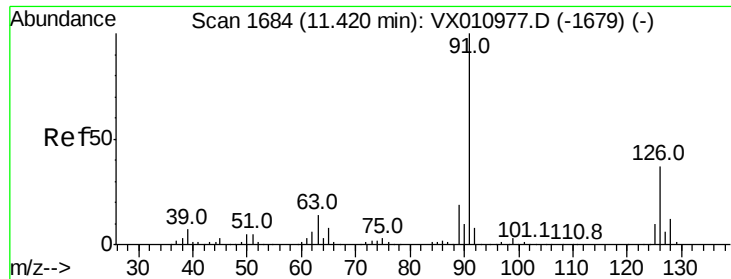
91 100

120 24.0 0.0 47.6



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.442 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

Instrument :

MSVOA_X

ClientSampled :

VX0724WBS01

Tot Ion: 91 Resp: 142044

Ion Ratio Lower Upper

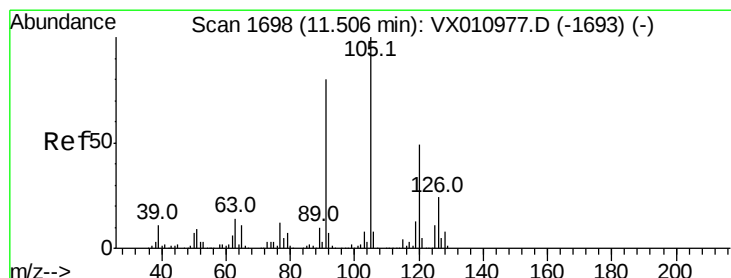
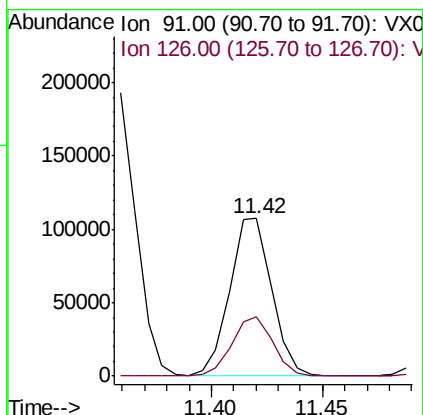
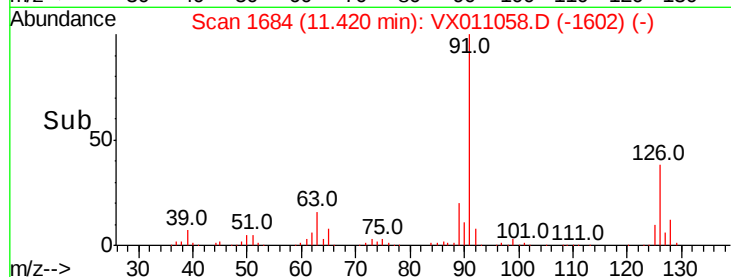
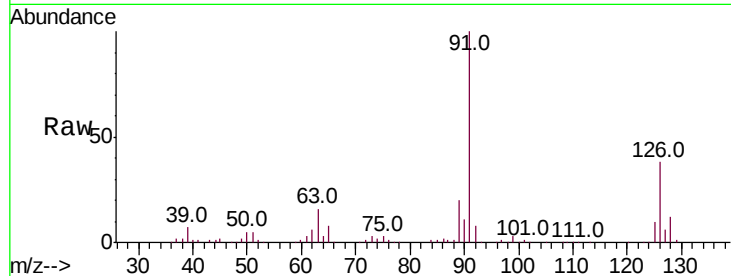
91 100

126 36.3 0.0 72.4

Manual Integrations
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#76

1,3,5-Trimethylbenzene

Concen: 19.614 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011058.D

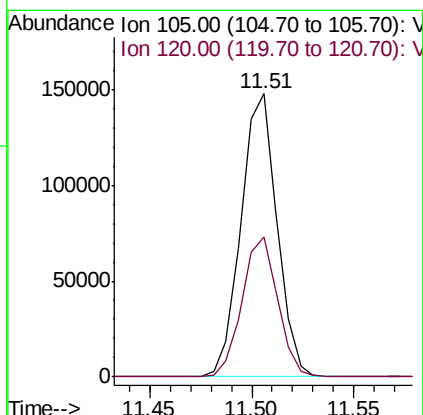
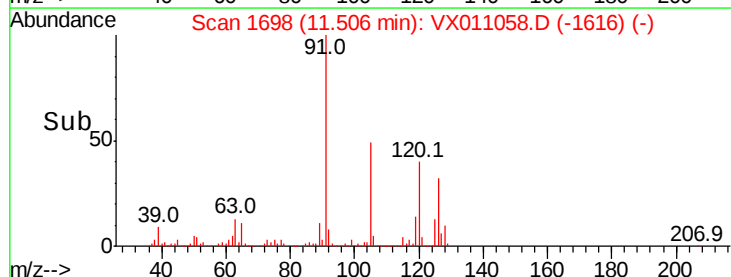
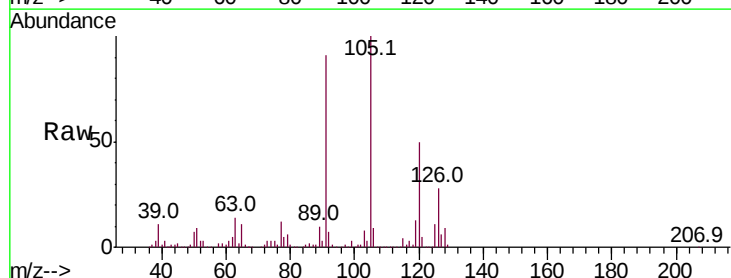
Acq: 24 Jul 2019 13:42

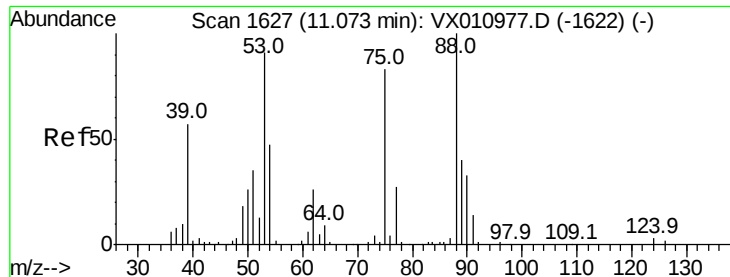
Tgt Ion: 105 Resp: 180953

Ion Ratio Lower Upper

105 100

120 49.2 0.0 96.6





#77

t-1,4-Dichloro-2-butene

Concen: 20.248 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

Instrument :

MSVOA_X

ClientSampled :

VX0724WBS01

Tot Ion: 75 Resp: 19598

Ion Ratio Lower Upper

75 100

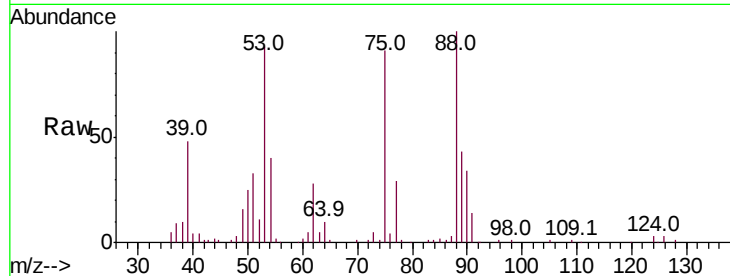
53 103.2 54.8 164.3

89 47.2 24.6 73.6

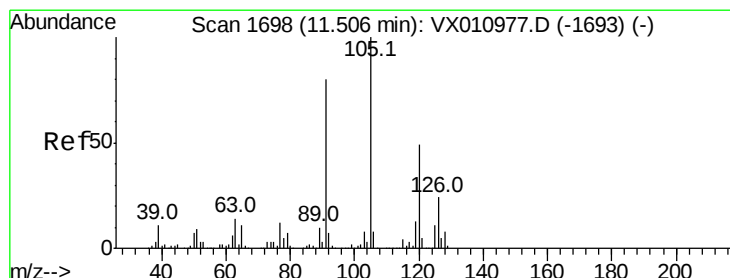
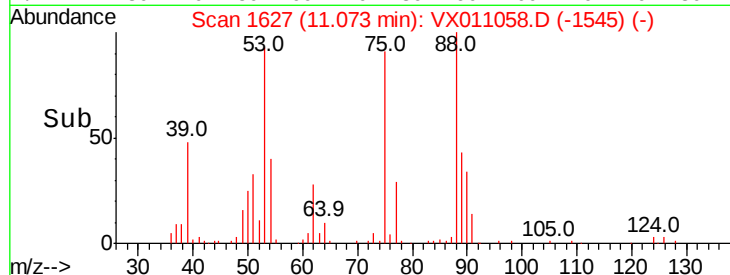
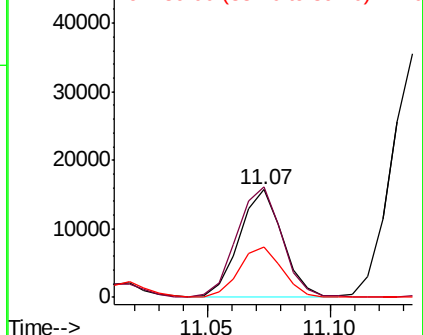
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Abundance Ion 75.00 (74.70 to 75.70): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 19.693 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011058.D

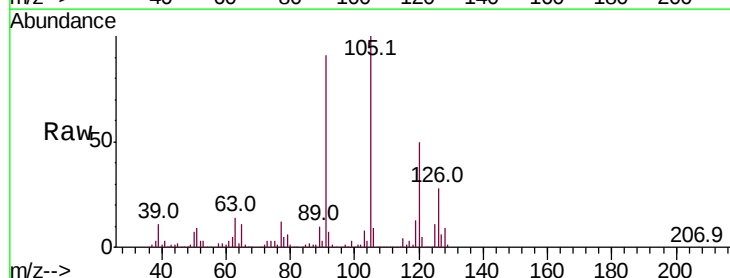
Acq: 24 Jul 2019 13:42

Tgt Ion: 91 Resp: 165242

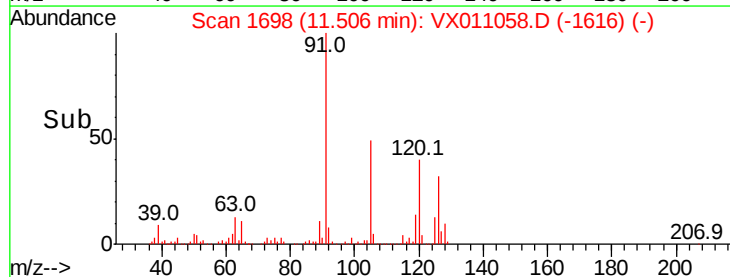
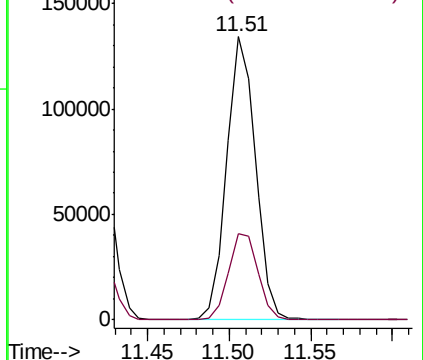
Ion Ratio Lower Upper

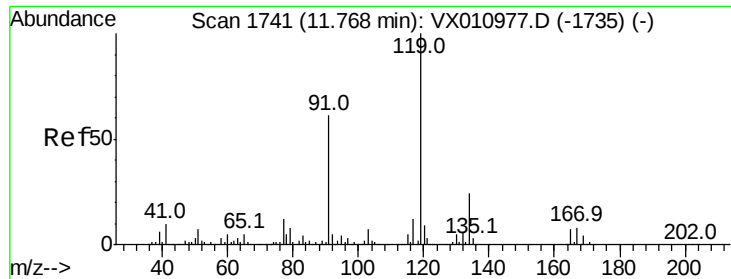
91 100

126 31.5 0.0 63.6



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 19.956 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

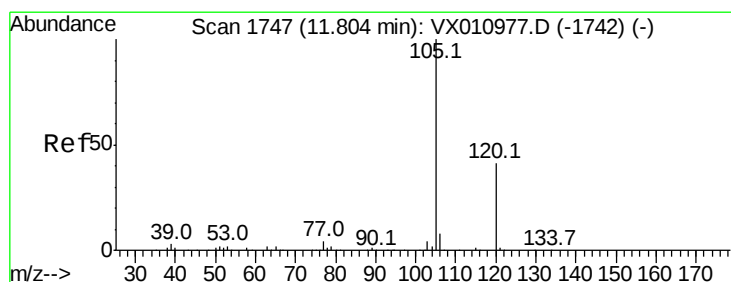
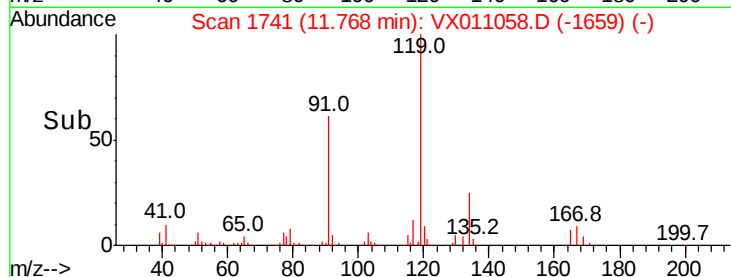
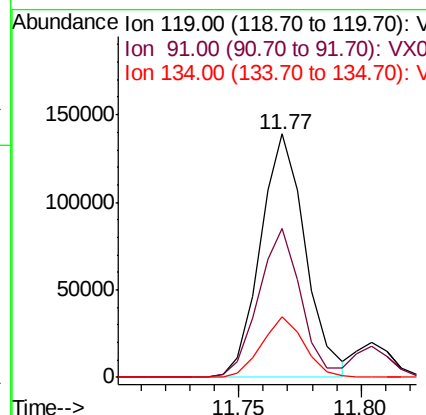
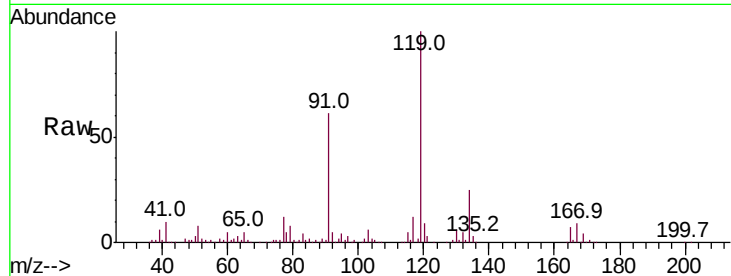
VX0724WBS01

Tot Ion:	119	Resp:	178584
Ion Ratio	Lower	Upper	
119	100		
91	58.3	0.0	118.4
134	23.6	0.0	47.4

Manual Integrations
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#80

1,2,4-Trimethylbenzene

Concen: 19.317 ug/l

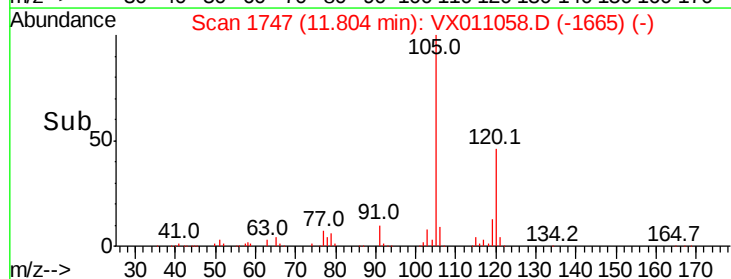
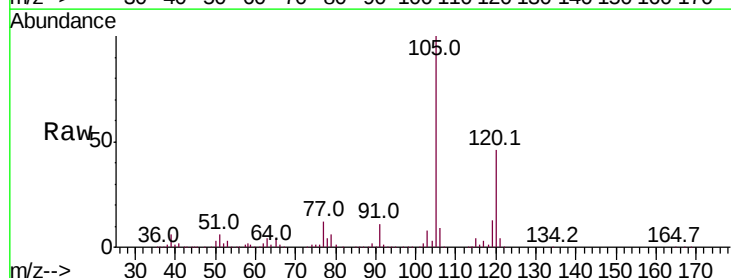
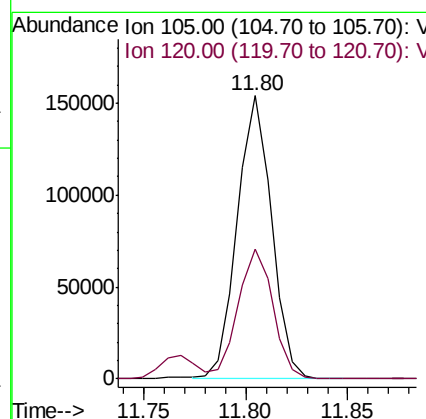
RT: 11.80 min Scan# 1747

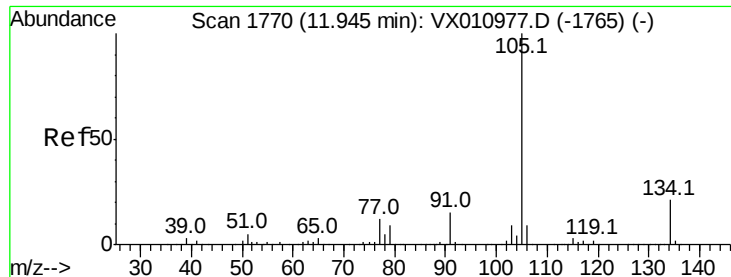
Delta R.T. -0.00 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

Tgt Ion:	105	Resp:	179466
Ion Ratio	Lower	Upper	
105	100		
120	46.7	0.0	91.6





#81

sec-Butylbenzene

Concen: 20.098 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

Instrument :

MSVOA_X

ClientSampleId :

VX0724WBS01

Tot Ion:105 Resp: 212003

Ion Ratio Lower Upper

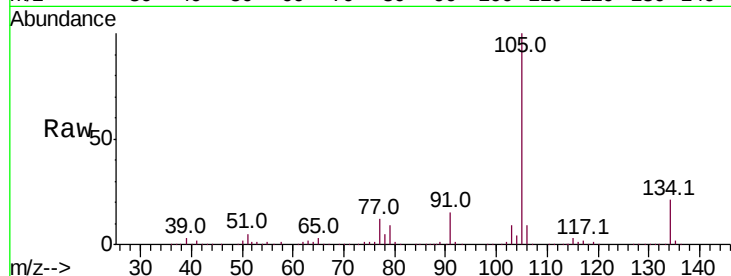
105 100

134 20.6 0.0 41.8

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

200000

150000

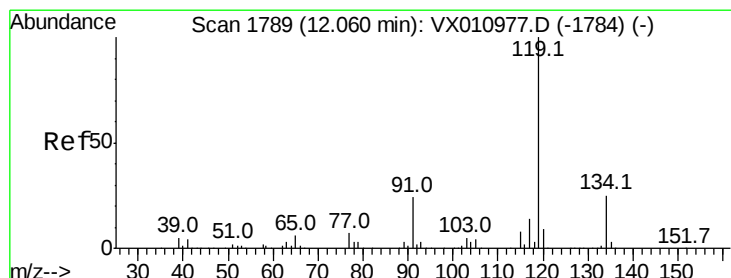
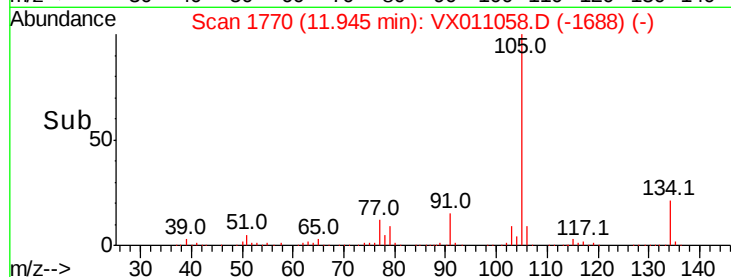
100000

50000

0

11.90 11.95

Time-->



#82

p-Isopropyltoluene

Concen: 19.693 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX011058.D

Acq: 24 Jul 2019 13:42

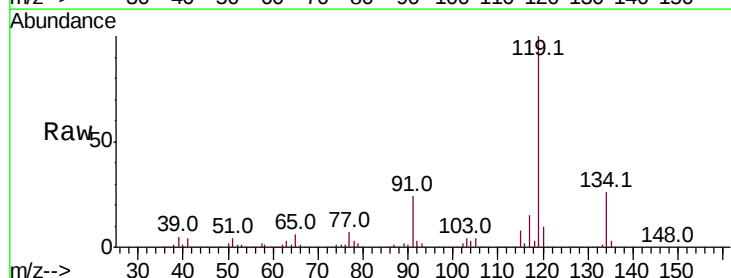
Tgt Ion:119 Resp: 192765

Ion Ratio Lower Upper

119 100

134 26.8 0.0 52.8

91 23.8 0.0 47.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

200000

150000

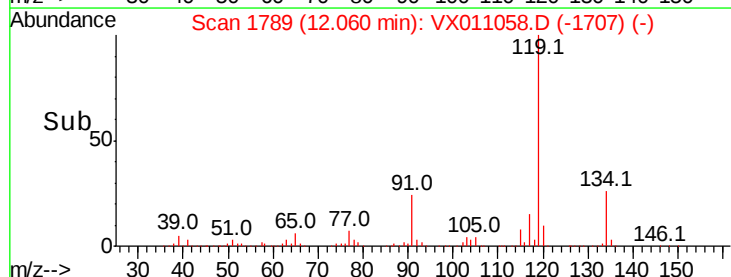
100000

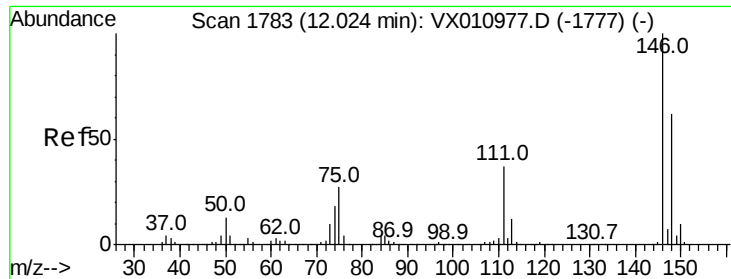
50000

0

12.00 12.05 12.10

Time-->





#83
 1,3-Dichlorobenzene
 Concen: 19.452 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX011058.D
 Acq: 24 Jul 2019 13:42

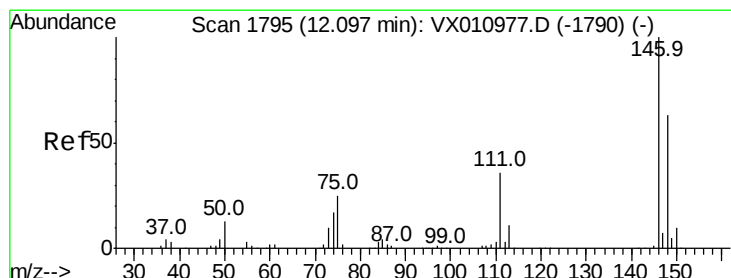
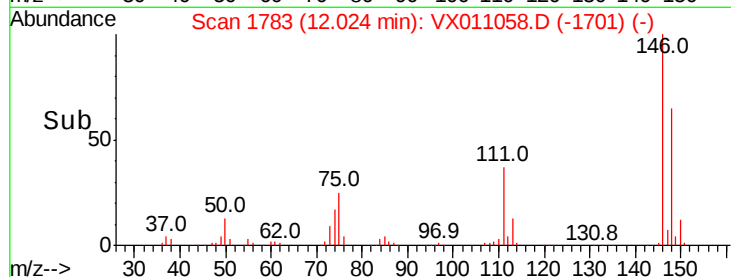
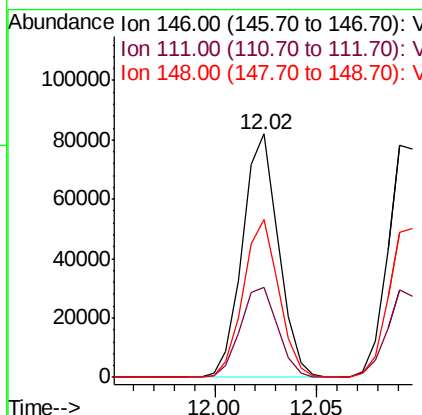
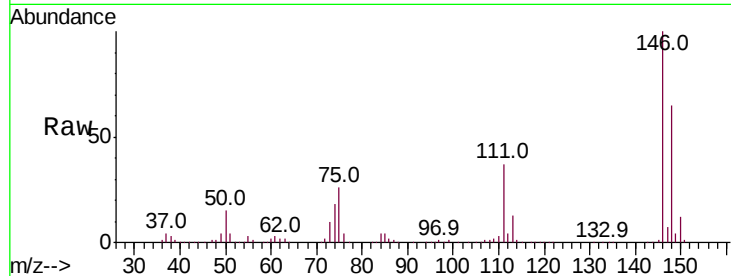
Instrument :
 MSVOA_X
 ClientSampled :
 VX0724WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.9	56.9
148	63.9	31.4	94.0

Manual Integrations
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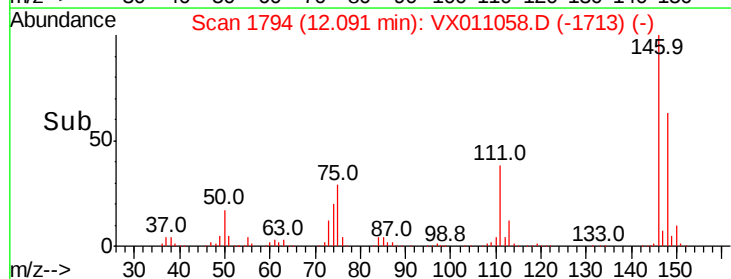
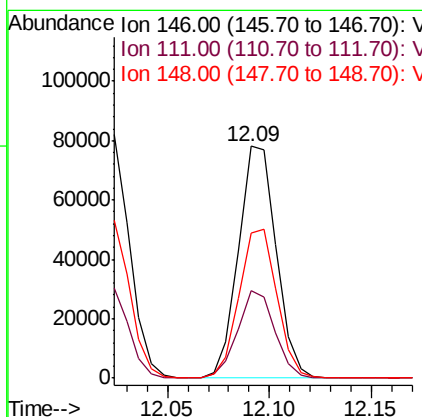
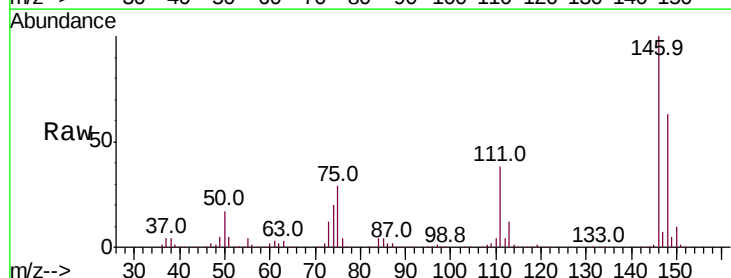
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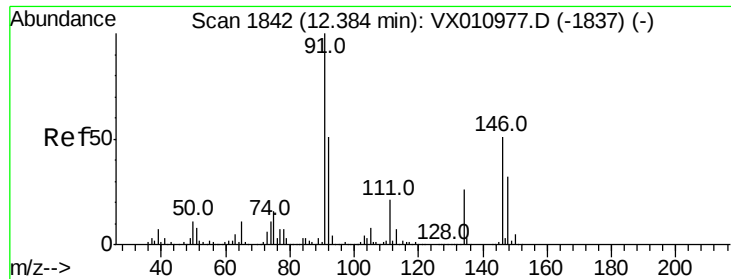
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#84
 1,4-Dichlorobenzene
 Concen: 19.515 ug/l
 RT: 12.09 min Scan# 1794
 Delta R.T. -0.01 min
 Lab File: VX011058.D
 Acq: 24 Jul 2019 13:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.5	55.5
148	64.1	32.0	96.0





#85
n-Butylbenzene
Concen: 19.615 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

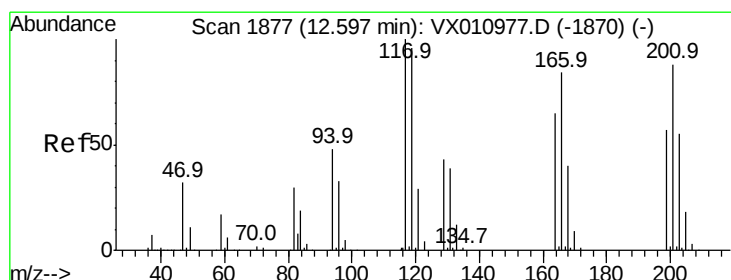
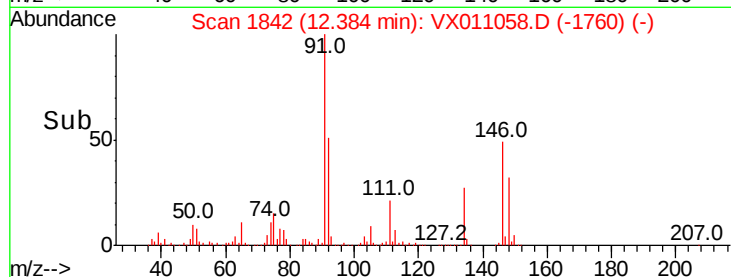
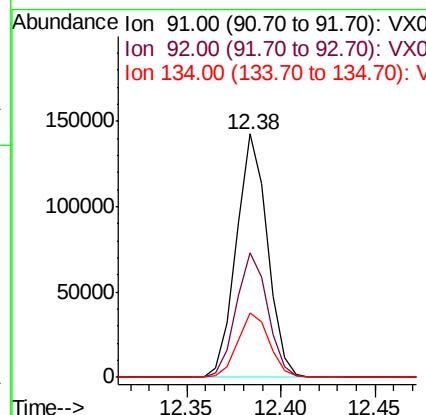
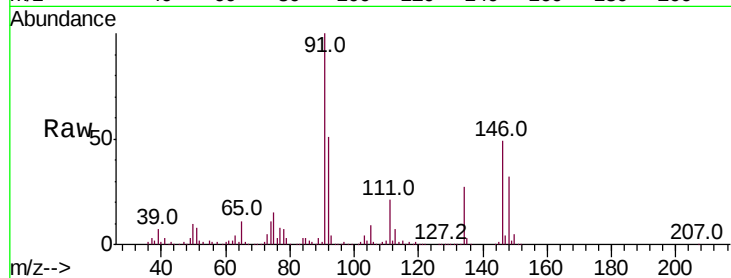
Instrument :
MSVOA_X
ClientSampled :
VX0724WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	163492		
92	51.9	0.0	103.6	
134	27.0	0.0	54.2	

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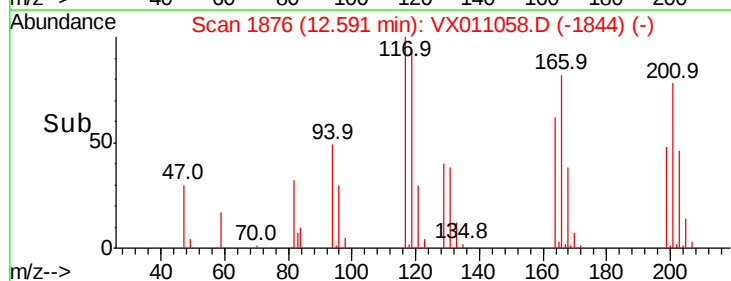
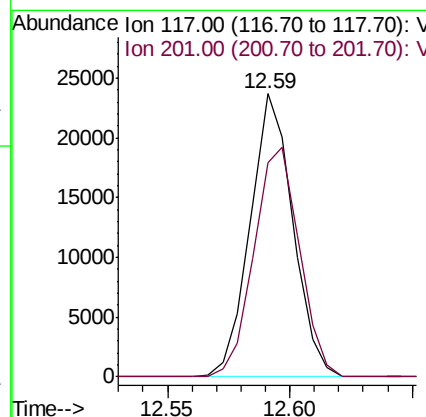
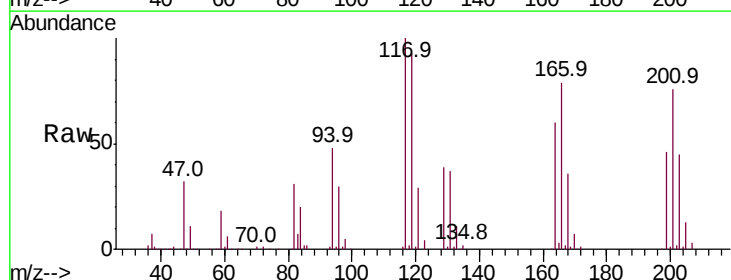
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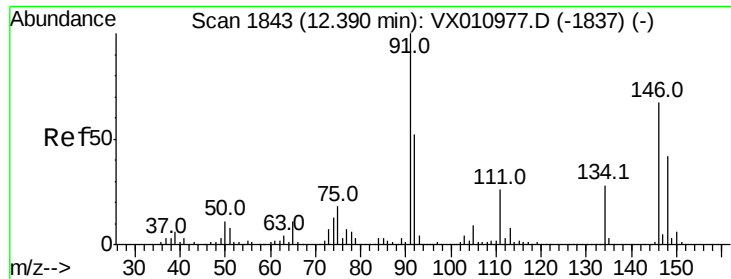
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#86
Hexachloroethane
Concen: 18.689 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	28852		
201	86.0	42.1	126.3	





#87
 1,2-Dichlorobenzene
 Concen: 19.940 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX011058.D
 Acq: 24 Jul 2019 13:42

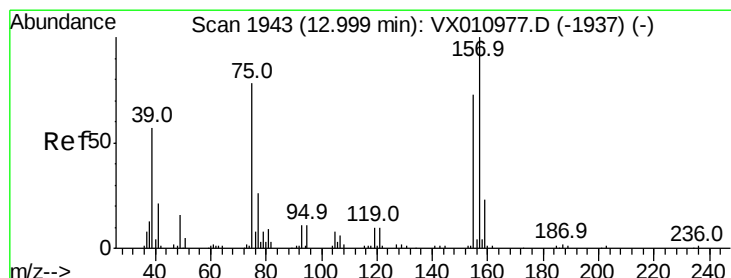
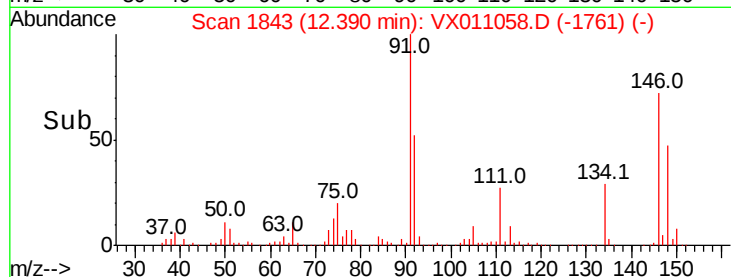
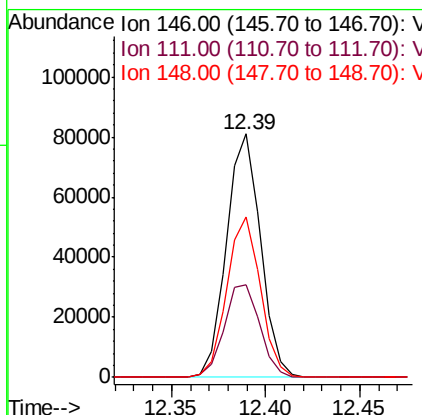
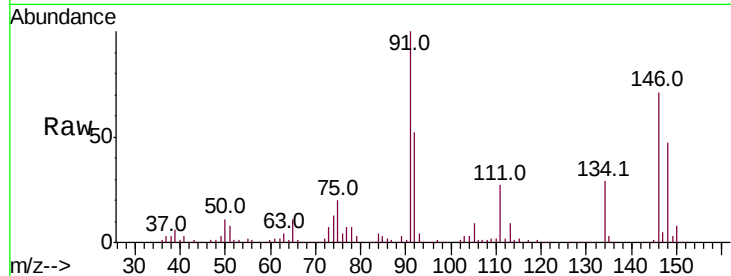
Instrument :
 MSVOA_X
 ClientSampled :
 VX0724WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.5	58.5
148	65.4	31.5	94.5

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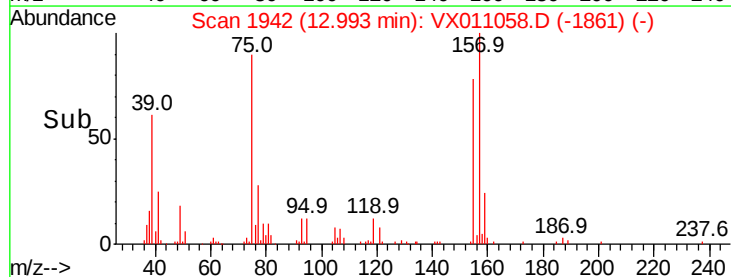
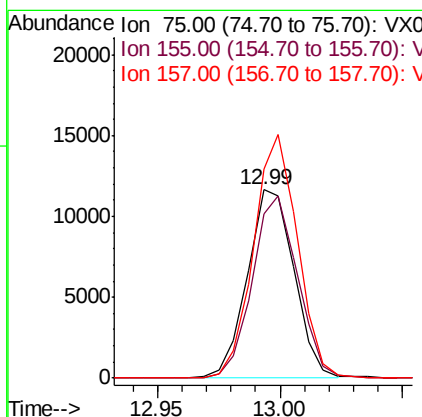
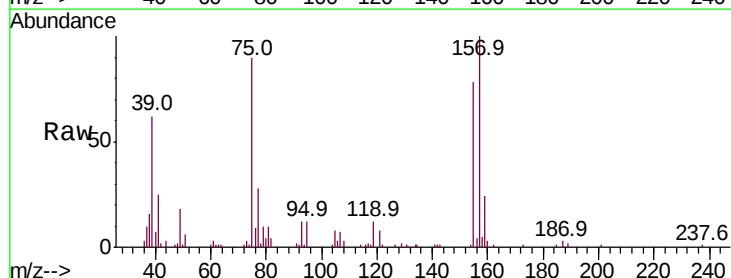
MMDadoda

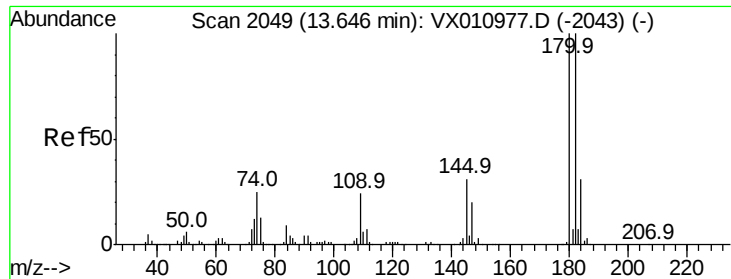
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.930 ug/l
 RT: 12.99 min Scan# 1942
 Delta R.T. -0.01 min
 Lab File: VX011058.D
 Acq: 24 Jul 2019 13:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.9	76.6	115.0
157	121.6	101.0	151.4





#89
1,2,4-Trichlorobenzene
Concen: 19.607 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

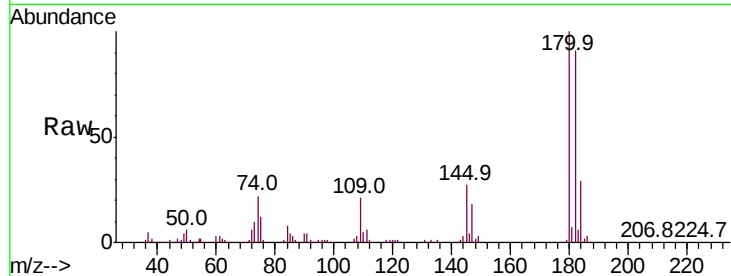
Instrument :
MSVOA_X
ClientSampleId :
VX0724WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	77.6	116.4
145	29.7	23.8	35.6

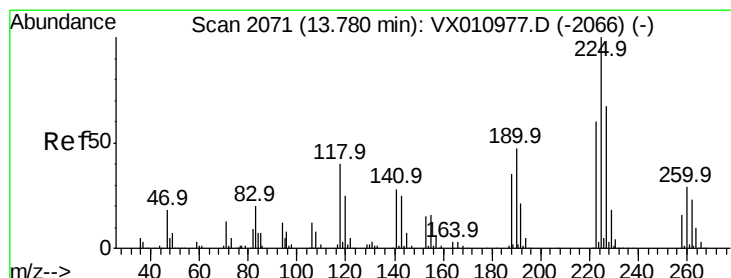
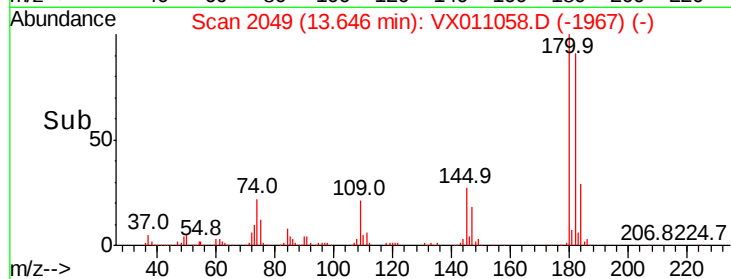
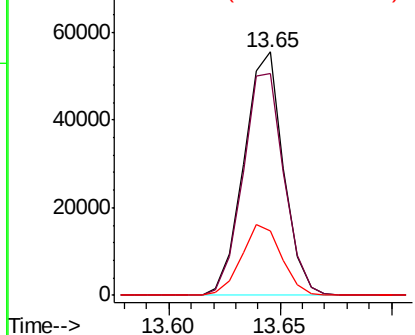
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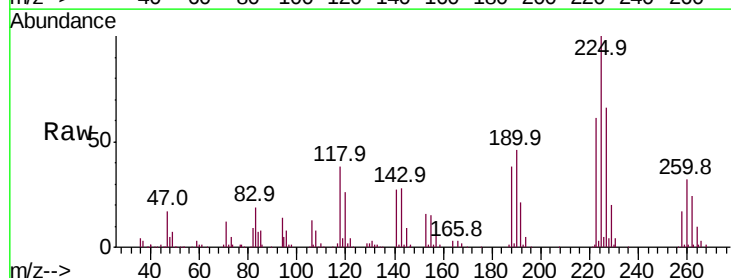


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

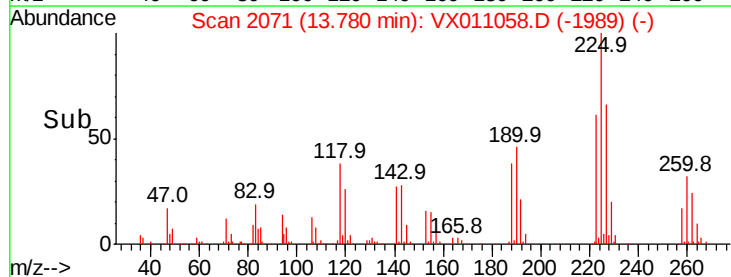
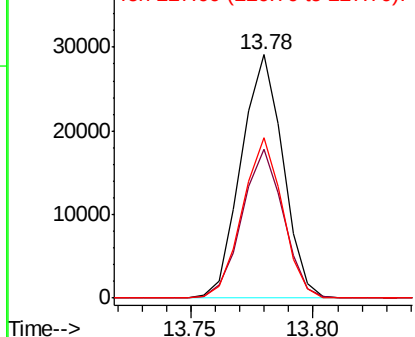


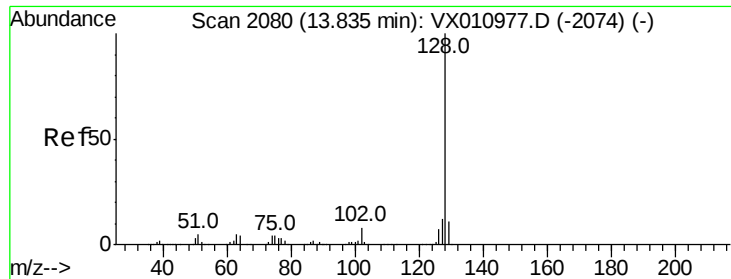
#90
Hexachlorobutadiene
Concen: 20.532 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.6	0.0	121.4
227	63.0	0.0	126.6



Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V





#91
Naphthalene
Concen: 19.925 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

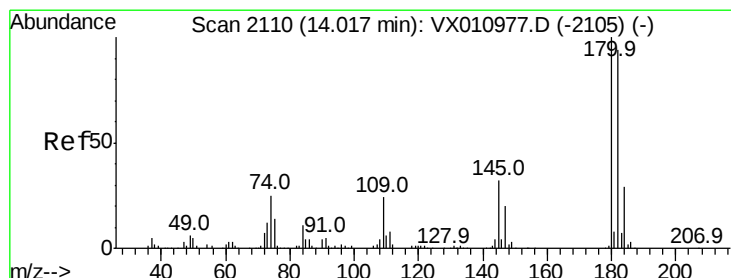
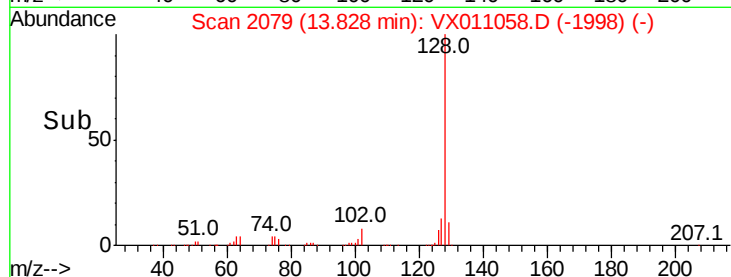
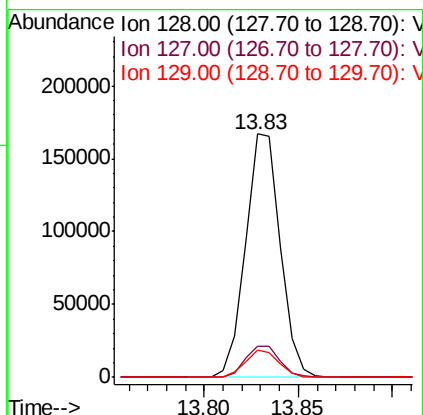
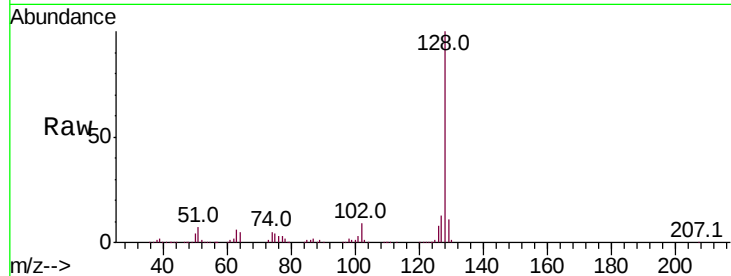
Instrument :
MSVOA_X
ClientSampleId :
VX0724WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	213152		
127	13.0		10.2	15.2
129	10.8		8.5	12.7

Manual Integrations
APPROVED

MMDadoda

7/25/2019 3:54:50 PM



#92
1,2,3-Trichlorobenzene
Concen: 20.640 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX011058.D
Acq: 24 Jul 2019 13:42

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	72529		
182	92.5		0.0	190.2
145	30.0		0.0	63.8

