

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072419\
 Data File : VX011060.D
 Acq On : 24 Jul 2019 16:25
 Operator : JC/SP
 Sample : VX0724WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0724WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/25/2019 3:55:00 PM

Quant Time: Jul 25 03:42:08 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	5.02	128	35240	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	194925	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	176084	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	70880	29.67	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.90%
60) 4-Bromofluorobenzene	11.13	95	86217	29.75	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.17%
63) Toluene-d8	8.71	98	232852	30.09	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	47204	20.261 ug/l	95
3) Chloromethane	1.33	50	38670	18.875 ug/l	100
4) Vinyl Chloride	1.41	62	40527	18.969 ug/l	94
5) Bromomethane	1.64	94	27759	23.603 ug/l	95
6) Chloroethane	1.73	64	24775	19.601 ug/l	95
7) Trichlorofluoromethane	1.93	101	71540	20.163 ug/l	98
8) Diethyl Ether	2.19	74	23610	20.262 ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	40475	20.639 ug/l	99
10) 1,1-Dichloroethene	2.37	96	38789	19.681 ug/l	99
11) Methyl Iodide	2.51	142	47498	17.947 ug/l	96
12) Methyl Acetate	2.77	43	57008	20.595 ug/l	98
13) Acrolein	2.29	56	29877	90.020 ug/l	100
14) Acrylonitrile	3.14	53	113633	104.889 ug/l	99
15) Acetone	2.44	58	33746	111.862 ug/l	100
16) Carbon Disulfide	2.57	76	81904	16.173 ug/l	99
17) Allyl chloride	2.73	41	54526	19.111 ug/l	98
18) Methylene Chloride	2.85	84	43318	19.739 ug/l	99
19) trans-1,2-Dichloroethene	3.17	96	40107	19.264 ug/l	99
20) Diisopropyl ether	3.85	45	122661	20.364 ug/l	98
21) 1,1-Dichloroethane	3.70	63	69754	20.124 ug/l	99
22) cis-1,2-Dichloroethene	4.60	96	47851	19.984 ug/l	97
23) tert-Butyl Alcohol	3.04	59	51439	90.940 ug/l	# 100
24) Methyl tert-Butyl Ether	3.20	73	130288	20.593 ug/l	100
25) Chloroform	5.21	83	75653	19.927 ug/l	99
26) Cyclohexane	5.58	56	58902	18.570 ug/l	# 97
29) 1,1-Dichloropropene	5.80	75	52740	19.239 ug/l	100
30) 2-Butanone	4.67	43	154191	104.205 ug/l	99
31) 2,2-Dichloropropane	4.59	77	55223	23.079 ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	66171	20.017 ug/l	99
33) Carbon Tetrachloride	5.79	117	57019	19.838 ug/l	96
34) Benzene	6.15	78	166088	20.198 ug/l	99
35) Methacrylonitrile	5.04	41	31653	20.549 ug/l	93
36) 1,2-Dichloroethane	6.20	62	59330	20.179 ug/l	100
37) Trichloroethene	7.21	130	48664	20.215 ug/l	98
38) Methylcyclohexane	7.46	83	65402	18.905 ug/l	99
39) 1,2-Dichloropropane	7.51	63	42316	20.588 ug/l	99
40) Dibromomethane	7.66	93	31179	20.626 ug/l	98

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Instrument :
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 VX0724WBSD01

Manual Integrations
 APPROVED

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 7/25/2019 3:55:00 PM

Quant Time: Jul 25 03:42:08 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	54442	19.786	ug/l	96
42) Vinyl Acetate	3.81	43	494821	101.500	ug/l	99
43) Ethyl Acetate	4.83	43	57773	20.340	ug/l	98
44) Isopropyl Acetate	6.44	43	91691	19.819	ug/l	99
45) 1,4-Dioxane	7.74	88	25018	415.477	ug/l	97
46) Methyl methacrylate	7.77	41	45480	20.253	ug/l	99
47) n-amyl Acetate	10.90	43	82476	19.878	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	55586	19.169	ug/l	98
49) cis-1,3-Dichloropropene	8.43	75	63472	20.058	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	46135	20.853	ug/l	98
51) Ethyl methacrylate	9.18	69	68020	19.879	ug/l	94
52) 1,3-Dichloropropane	9.37	76	72085	20.276	ug/l	98
53) Dibromochloromethane	9.58	129	46298	19.377	ug/l	99
54) 1,2-Dibromoethane	9.67	107	49297	20.504	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	140951	97.277	ug/l	99
56) Bromoform	10.85	173	32820	18.443	ug/l	100
58) 4-Methyl-2-Pentanone	8.64	43	306812	103.174	ug/l	100
59) 2-Hexanone	9.49	43	236763	104.047	ug/l	100
61) Tetrachloroethene	9.34	164	49483	21.284	ug/l	96
62) Toluene	8.78	91	191240	20.444	ug/l	100
64) Chlorobenzene	10.13	112	121563	20.284	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	44317	20.346	ug/l	98
66) Ethyl Benzene	10.25	91	214485	20.368	ug/l	100
67) m/p-Xylenes	10.36	106	163931	40.688	ug/l	98
68) o-Xylene	10.69	106	80976	20.512	ug/l	100
69) Styrene	10.71	104	134602	20.284	ug/l	100
70) Isopropylbenzene	11.02	105	217733	20.712	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.27	83	69872	20.613	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	59106m	20.891	ug/l	
73) Bromobenzene	11.25	156	58601	20.661	ug/l	99
74) n-propylbenzene	11.36	91	243287	20.563	ug/l	99
75) 2-Chlorotoluene	11.42	91	145287	20.618	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	180964	20.337	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	18418	19.730	ug/l	96
78) 4-Chlorotoluene	11.51	91	166647	20.592	ug/l	100
79) tert-butylbenzene	11.77	119	176886	20.495	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	184533	20.594	ug/l	100
81) sec-Butylbenzene	11.94	105	211198	20.759	ug/l	100
82) p-Isopropyltoluene	12.06	119	193429	20.489	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	103881	20.746	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	100231	20.140	ug/l	99
85) n-Butylbenzene	12.38	91	165065	20.533	ug/l	99
86) Hexachloroethane	12.59	117	28191	18.934	ug/l	95
87) 1,2-Dichlorobenzene	12.39	146	102092	20.825	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	13.00	75	14788	19.817	ug/l	97
89) 1,2,4-Trichlorobenzene	13.65	180	68672	20.309	ug/l	99
90) Hexachlorobutadiene	13.78	225	34833	21.306	ug/l	99
91) Naphthalene	13.83	128	217288	21.060	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	72240	21.315	ug/l	100

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ALS Vial : 12 Sample Multiplier: 1

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MSVOA_X
ClientSampleId :
VX0724WBSD01

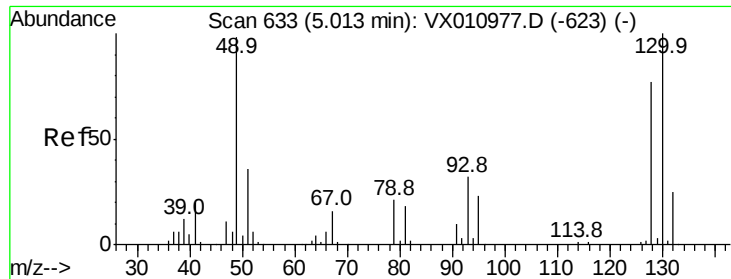
Manual Integrations
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Quant Time: Jul 25 03:42:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071919W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 19 03:27:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.01 min

Lab File: VX011060.D

Acq: 24 Jul 2019 16:25

Instrument :

MSVOA_X

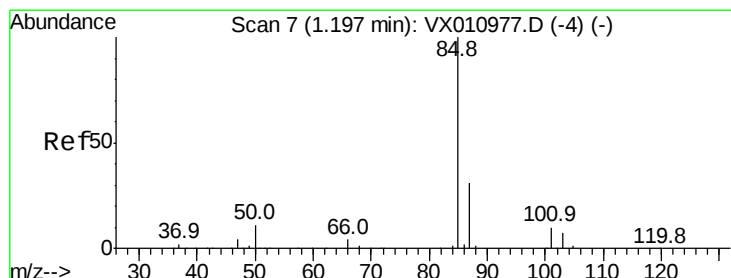
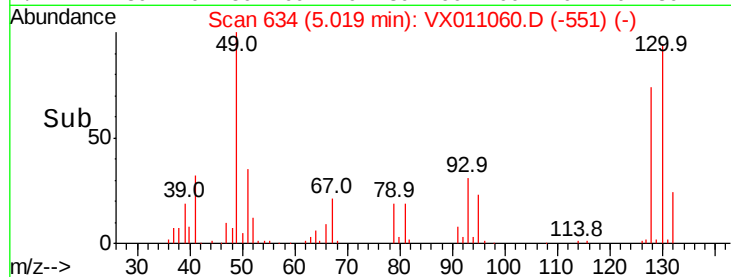
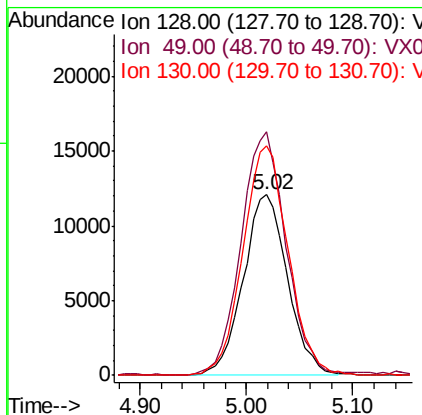
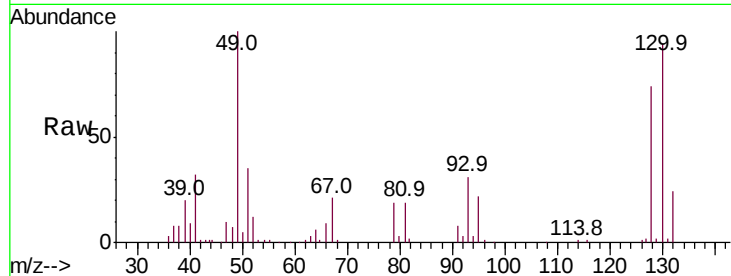
ClientSampleId :

VX0724WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
49	137.0	0.0	343.5
130	129.5	0.0	324.7

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#2

Dichlorodifluoromethane

Concen: 20.261 ug/l

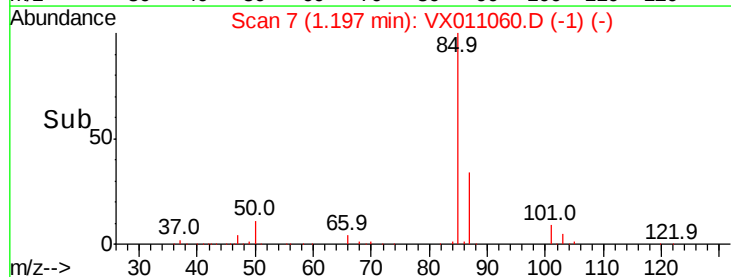
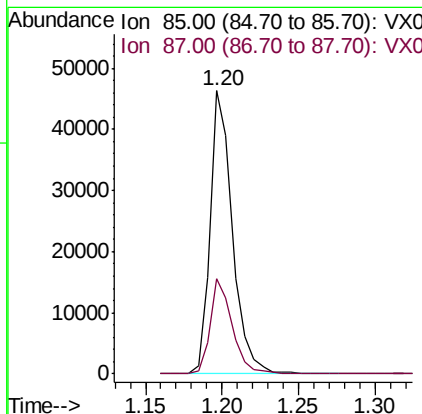
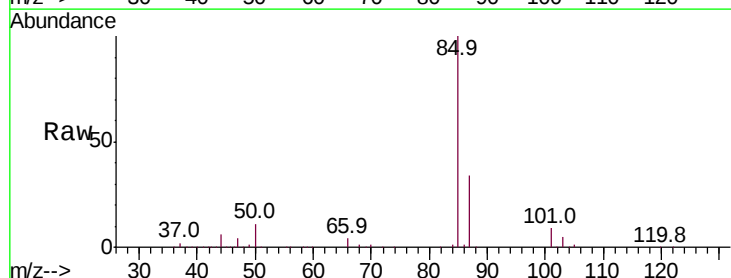
RT: 1.20 min Scan# 7

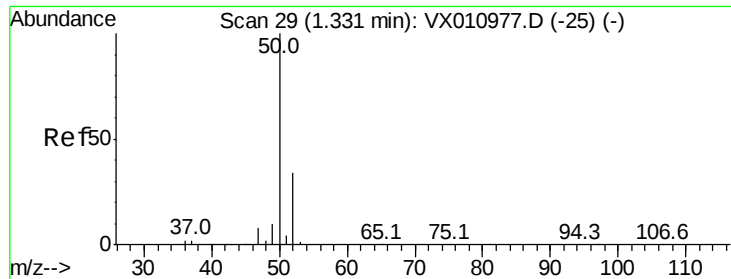
Delta R.T. -0.00 min

Lab File: VX011060.D

Acq: 24 Jul 2019 16:25

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.5	15.4	46.1





#3

Chloromethane

Concen: 18.875 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX011060.D

Acq: 24 Jul 2019 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX0724WBSD01

Tot Ion: 50 Resp: 38670

Ion Ratio Lower Upper

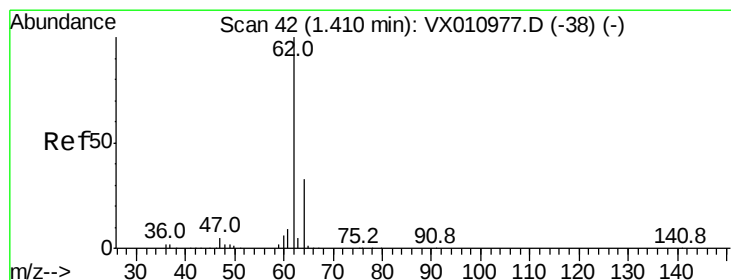
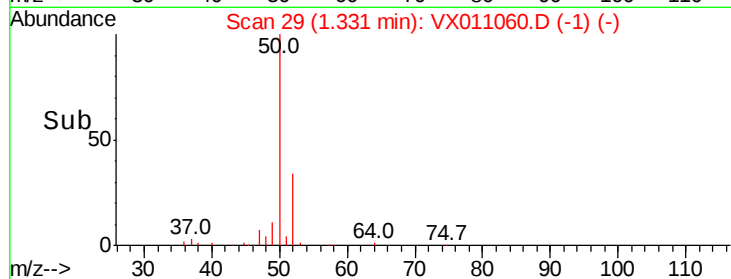
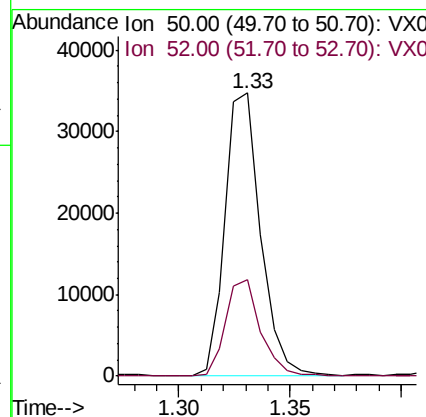
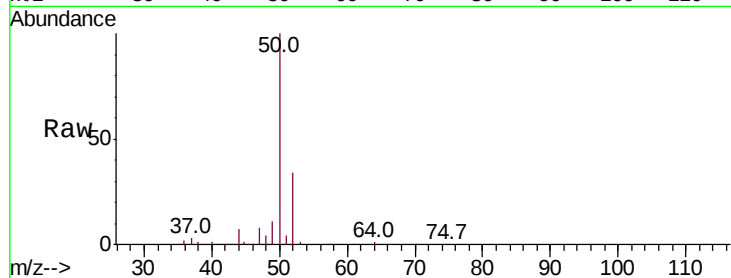
50 100

52 34.2 27.3 40.9

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#4

Vinyl Chloride

Concen: 18.969 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX011060.D

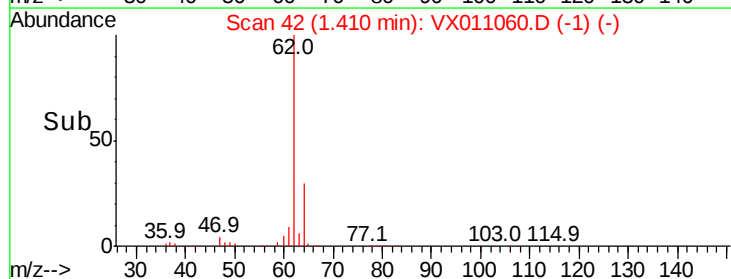
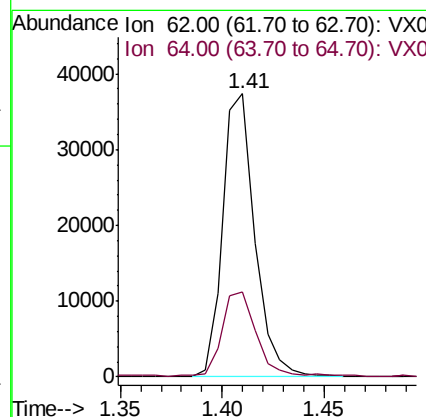
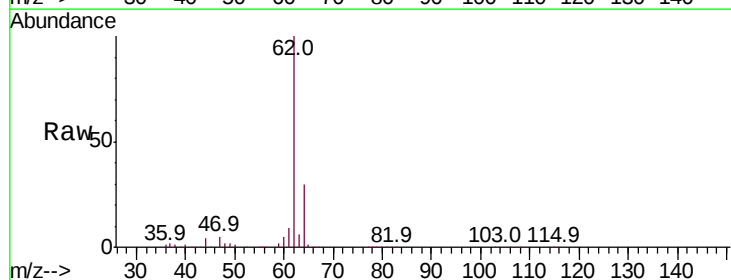
Acq: 24 Jul 2019 16:25

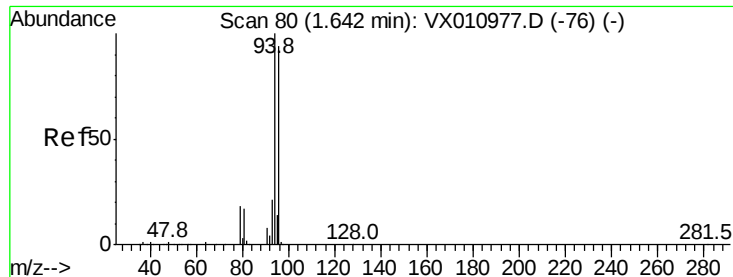
Tgt Ion: 62 Resp: 40527

Ion Ratio Lower Upper

62 100

64 29.9 26.8 40.2





#5

Bromomethane

Concen: 23.603 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX011060.D

Acq: 24 Jul 2019 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX0724WBSD01

Tot Ion: 94 Resp: 27759

Ion Ratio Lower Upper

94 100

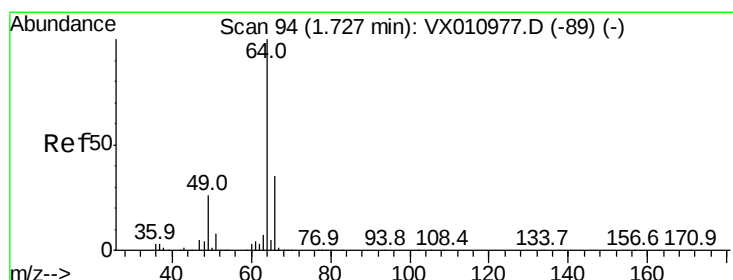
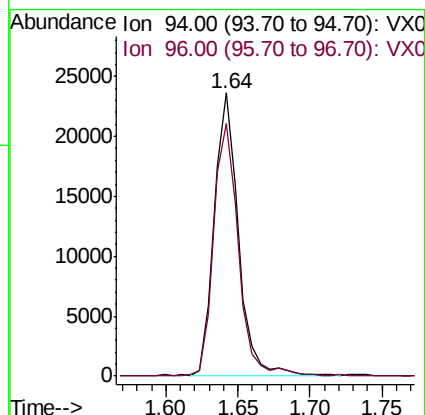
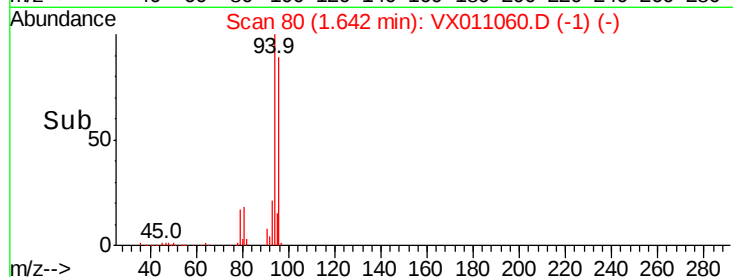
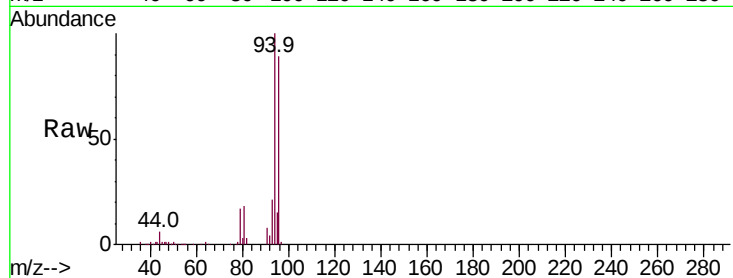
96 89.2 75.4 113.2

Manual Integrations

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#6

Chloroethane

Concen: 19.601 ug/l

RT: 1.73 min Scan# 94

Delta R.T. -0.00 min

Lab File: VX011060.D

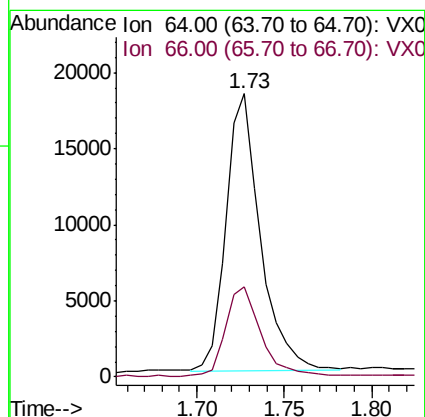
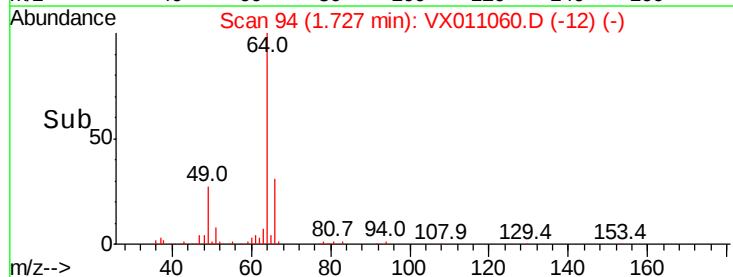
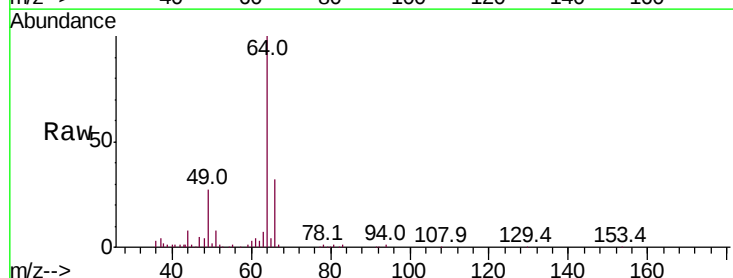
Acq: 24 Jul 2019 16:25

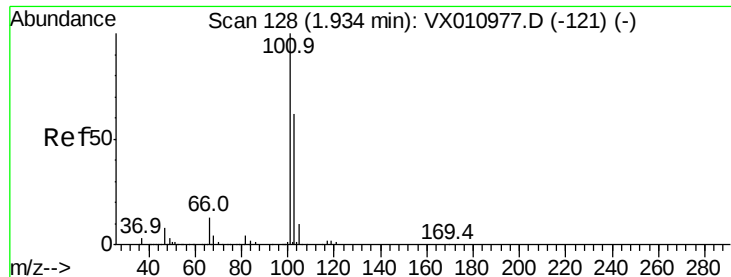
Tgt Ion: 64 Resp: 24775

Ion Ratio Lower Upper

64 100

66 32.1 28.1 42.1





#7

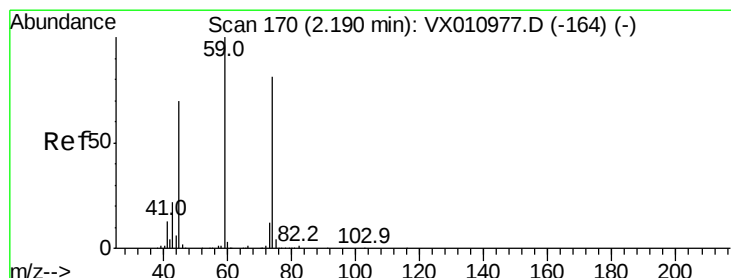
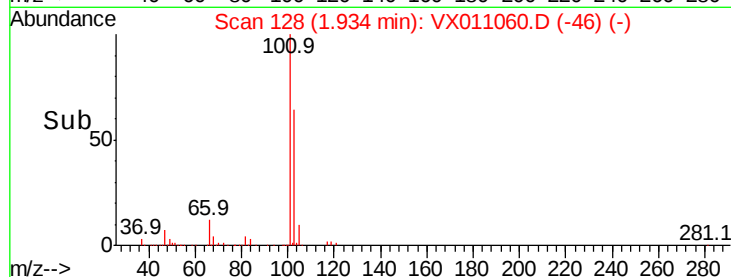
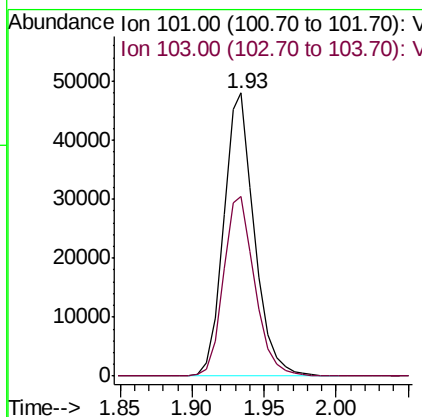
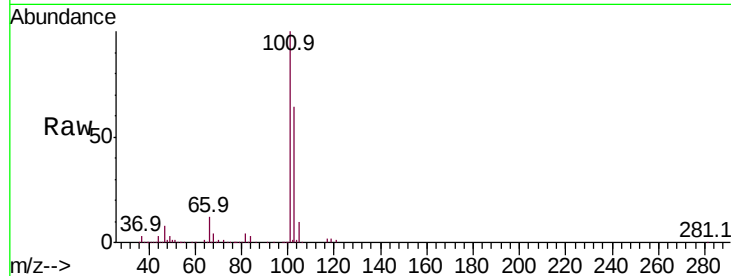
Trichlorofluoromethane
 Concen: 20.163 ug/l
 RT: 1.93 min Scan# 128
 Delta R.T. -0.00 min
 Lab File: VX011060.D
 Acq: 24 Jul 2019 16:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0724WBSD01

Tot Ion:101 Resp: 71540
 Ion Ratio Lower Upper
 101 100
 103 63.5 49.6 74.4

Manual Integrations
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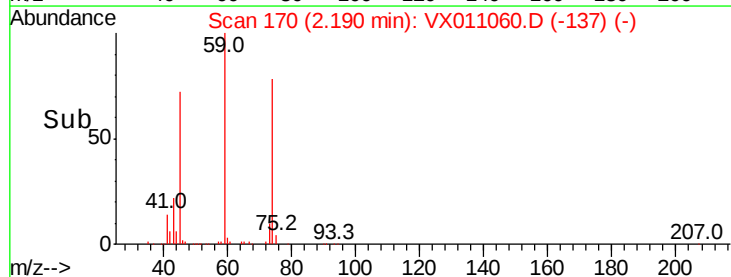
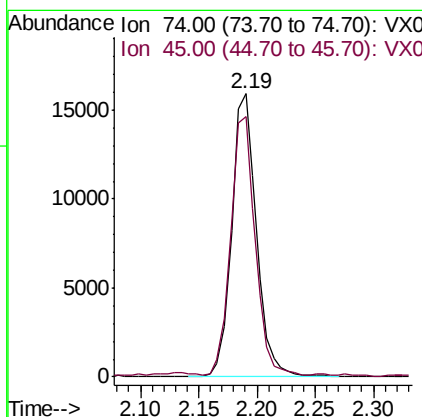
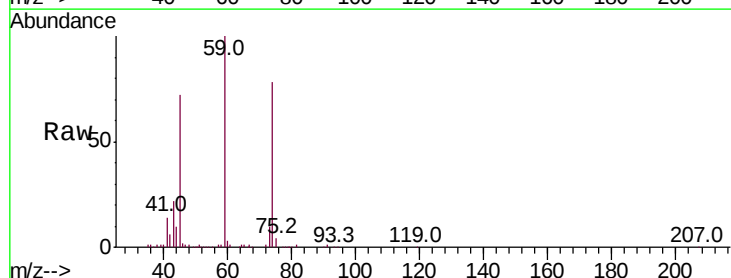
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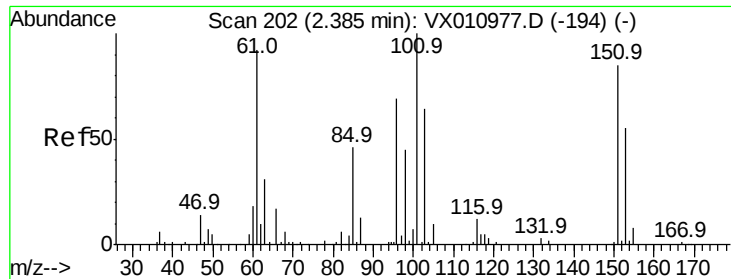


#8

Diethyl Ether
 Concen: 20.262 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX011060.D
 Acq: 24 Jul 2019 16:25

Tgt Ion: 74 Resp: 23610
 Ion Ratio Lower Upper
 74 100
 45 91.7 18.3 164.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.639 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX011060.D

Acq: 24 Jul 2019 16:25

Instrument :

MSVOA_X

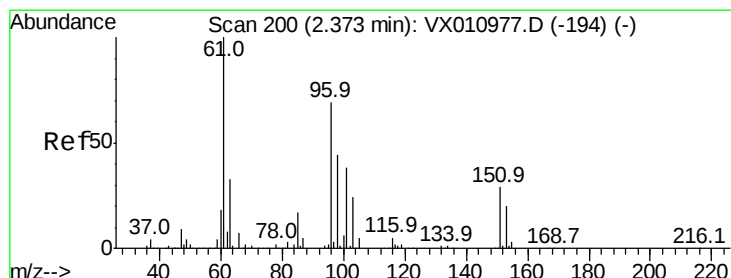
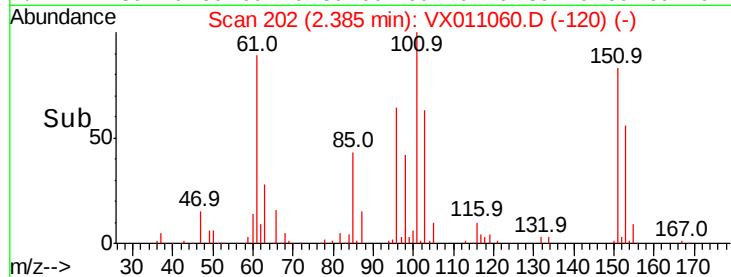
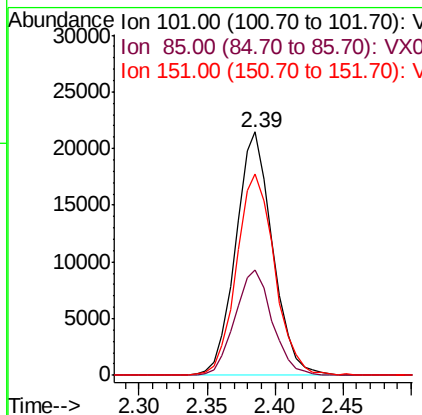
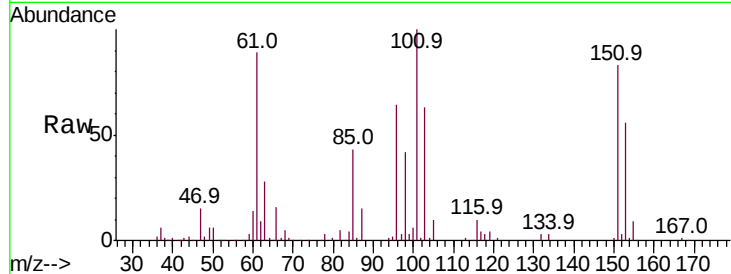
ClientSampleId :

VX0724WBSD01

Tot Ion:	101	Resp:	40475
Ion Ratio	Lower	Upper	
101	100		
85	43.6	0.0	89.8
151	86.0	0.0	172.2

Manual Integrations
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7/25/2019 3:55:00 PM



#10

1,1-Dichloroethene

Concen: 19.681 ug/l

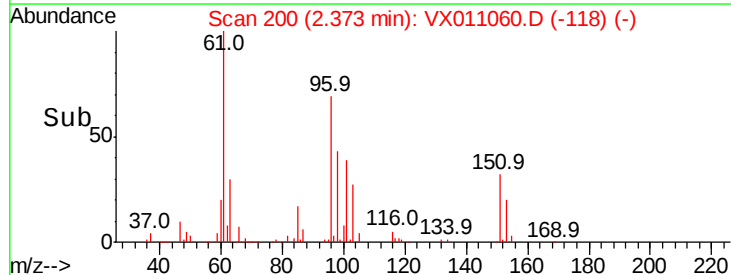
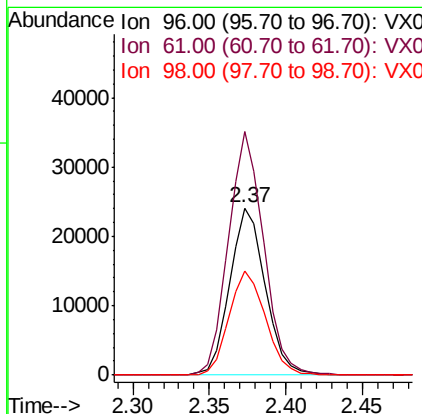
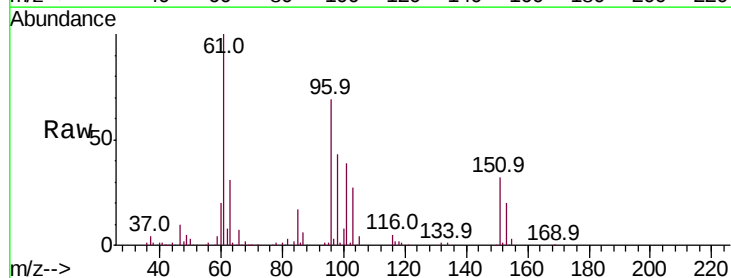
RT: 2.37 min Scan# 200

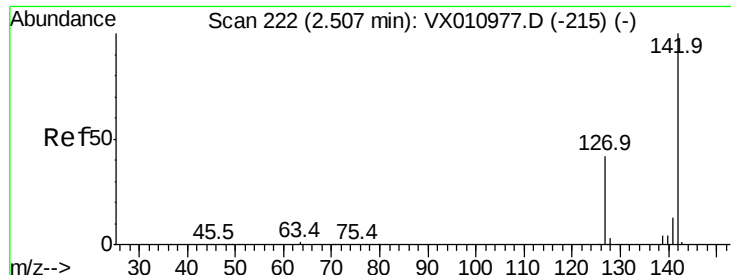
Delta R.T. -0.00 min

Lab File: VX011060.D

Acq: 24 Jul 2019 16:25

Tgt Ion:	96	Resp:	38789
Ion Ratio	Lower	Upper	
96	100		
61	145.5	115.9	173.9
98	61.9	50.6	75.8





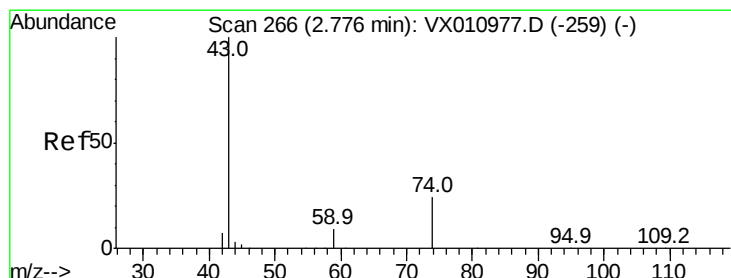
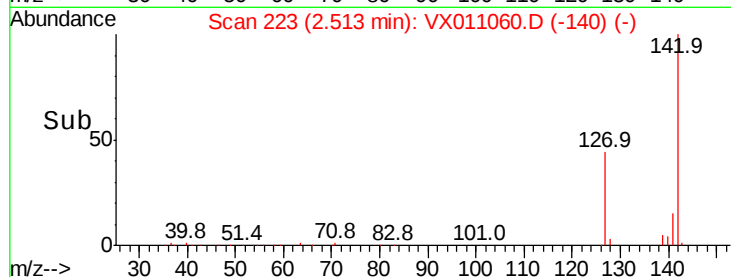
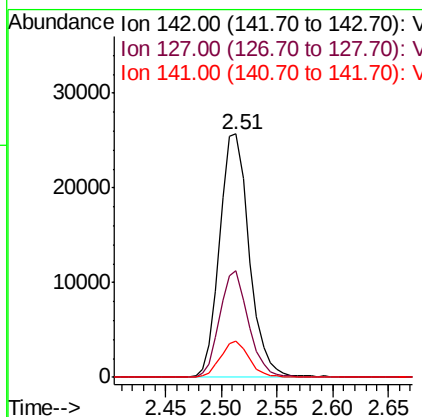
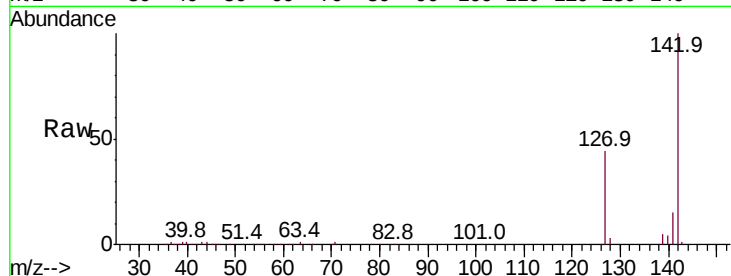
#11
Methvl Iodide
Concen: 17.947 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX011060.D
Acq: 24 Jul 2019 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX0724WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	43.7	20.7	62.1
141	15.2	6.7	20.0

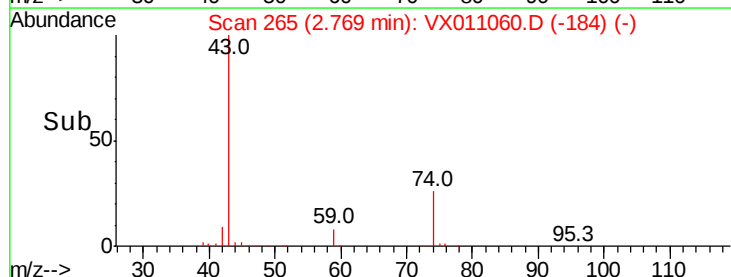
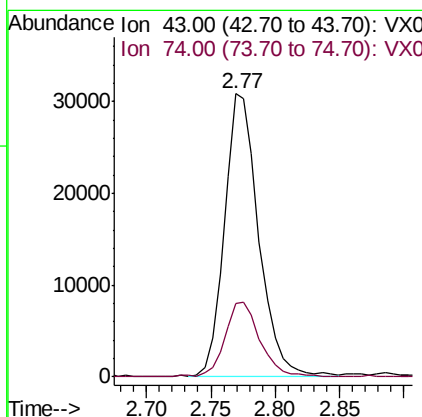
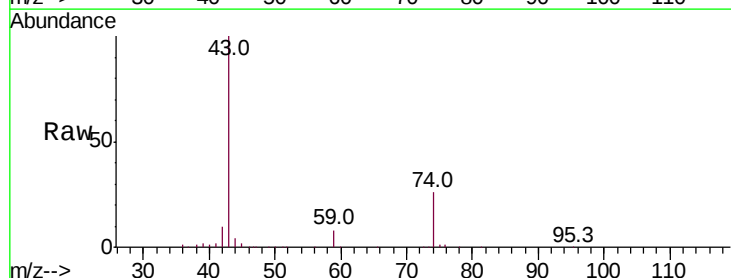
Manual Integrations
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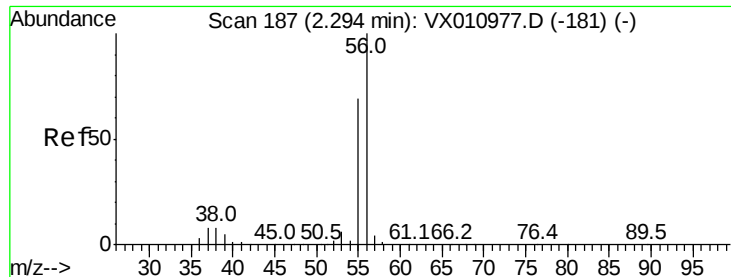
MMDadoda
7/25/2019 3:55:00 PM



#12
Methyl Acetate
Concen: 20.595 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX011060.D
Acq: 24 Jul 2019 16:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.6	19.8	29.6





#13

Acrolein

Concen: 90.020 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX011060.D

Acq: 24 Jul 2019 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX0724WBSD01

Tot Ion: 56 Resp: 29877

Ion Ratio Lower Upper

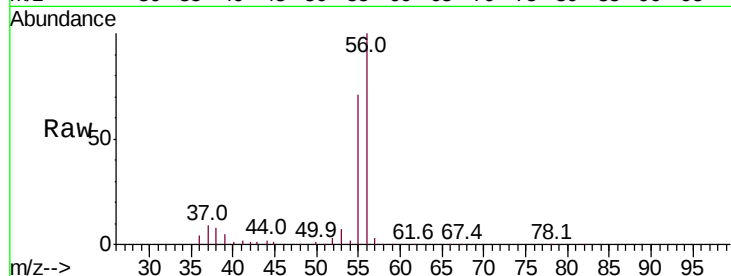
56 100

55 69.9 56.1 84.1

Manual Integrations
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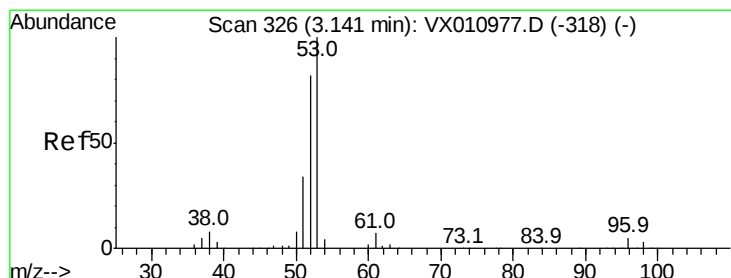
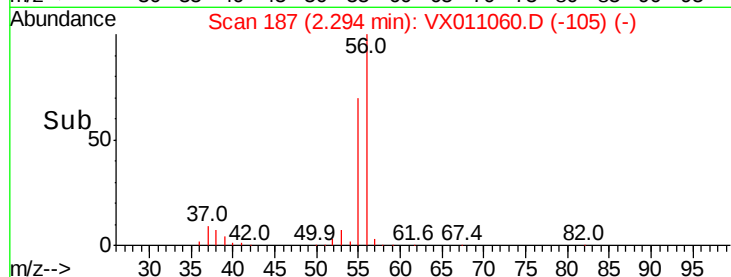
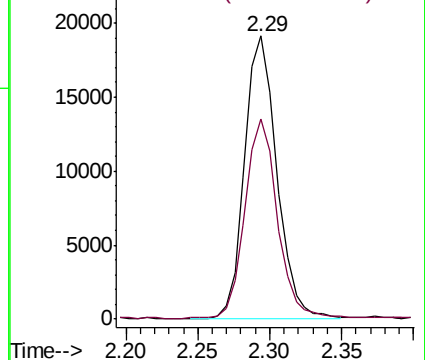
MMDadoda

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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: 104.889 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX011060.D

Acq: 24 Jul 2019 16:25

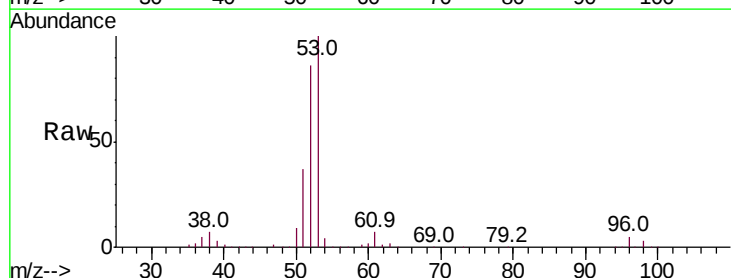
Tgt Ion: 53 Resp: 113633

Ion Ratio Lower Upper

53 100

52 81.5 41.1 123.4

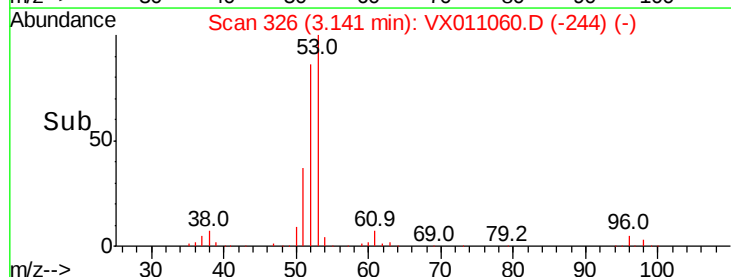
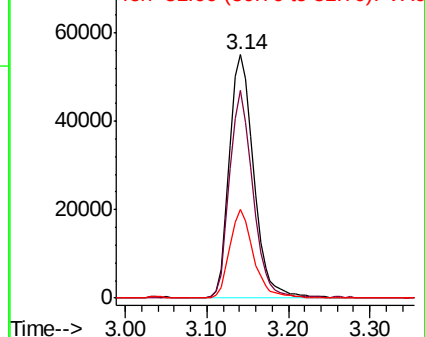
51 35.6 17.8 53.3

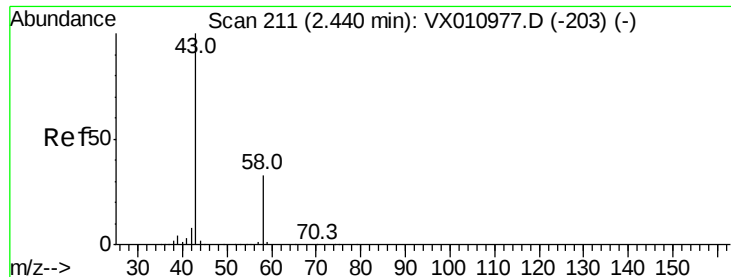


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





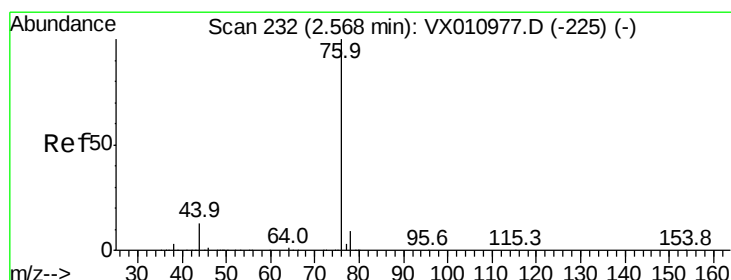
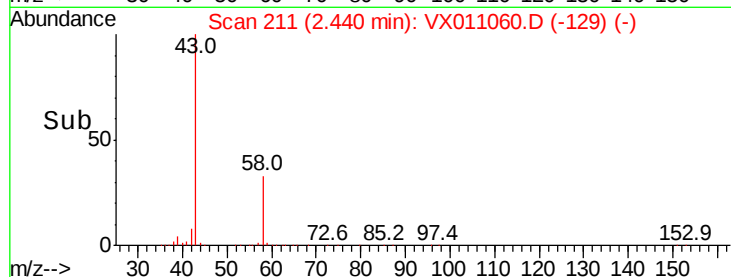
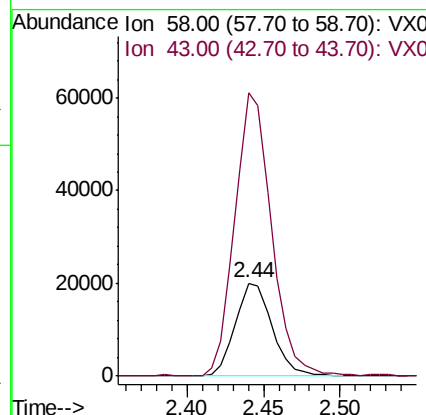
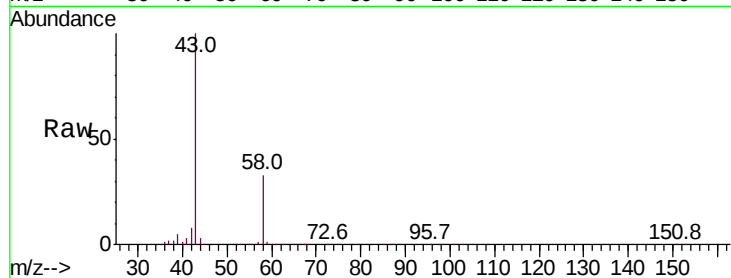
#15
Acetone
Concen: 111.862 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX011060.D
Acq: 24 Jul 2019 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX0724WBSD01

Tot Ion: 58 Resp: 33746
Ion Ratio Lower Upper
58 100
43 304.5 243.8 365.6

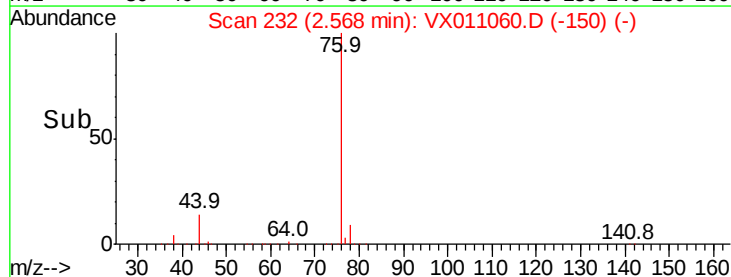
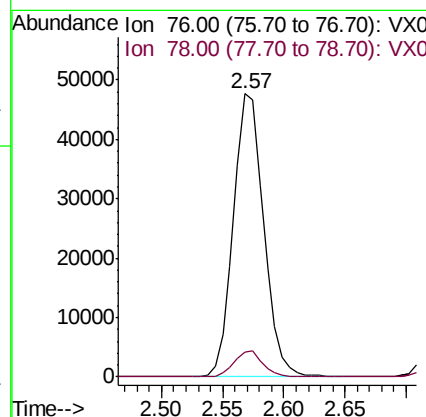
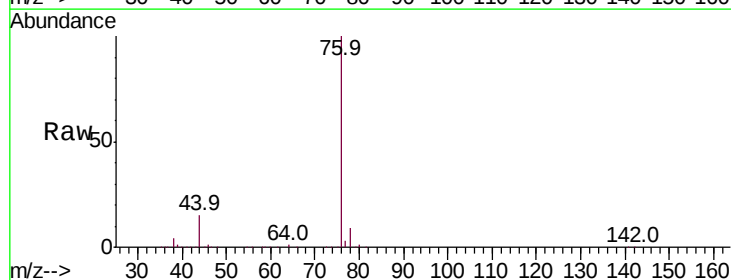
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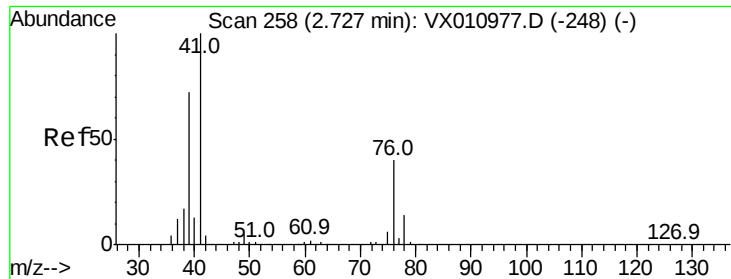
MMDadoda
7/25/2019 3:55:00 PM



#16
Carbon Disulfide
Concen: 16.173 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX011060.D
Acq: 24 Jul 2019 16:25

Tgt Ion: 76 Resp: 81904
Ion Ratio Lower Upper
76 100
78 8.7 7.3 10.9





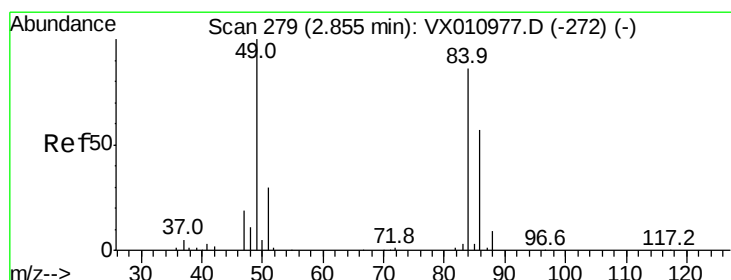
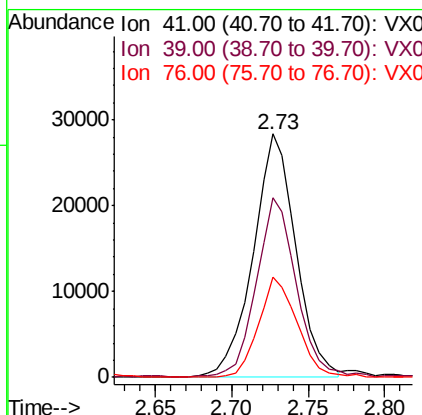
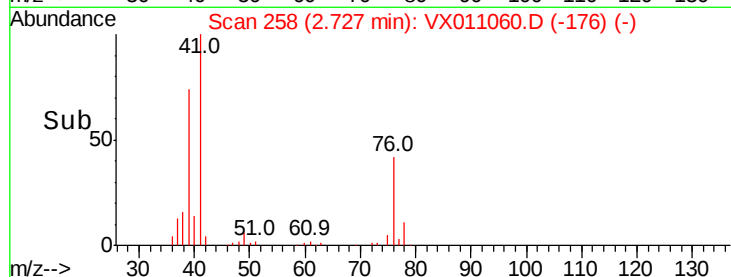
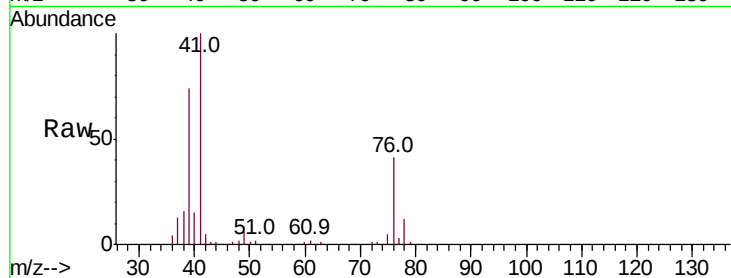
#17
Allvl chloride
Concen: 19.111 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX011060.D
Acq: 24 Jul 2019 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX0724WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	73.7	36.1	108.3
76	41.2	20.2	60.5

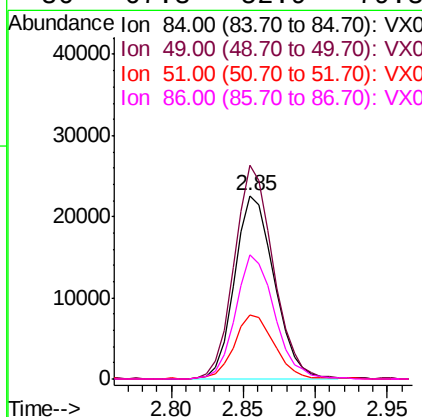
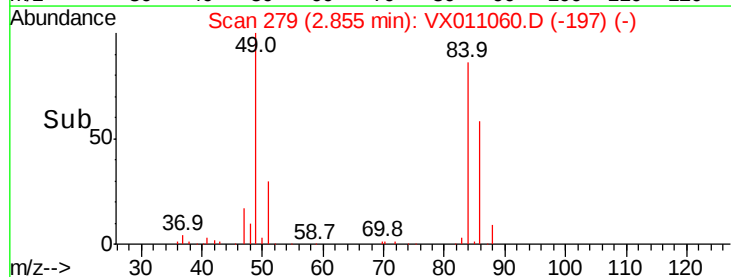
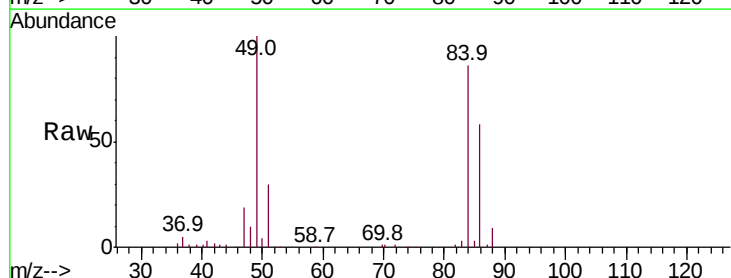
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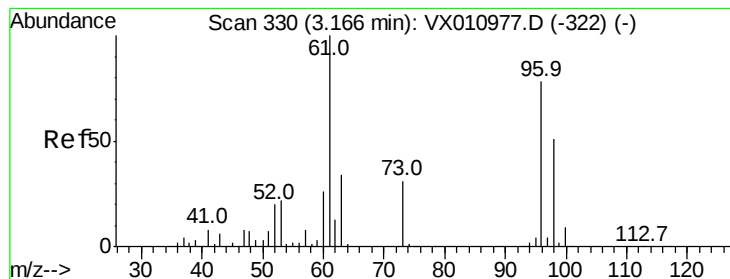
MMDadoda
7/25/2019 3:55:00 PM



#18
Methylene Chloride
Concen: 19.739 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX011060.D
Acq: 24 Jul 2019 16:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.3	93.2	139.8
51	34.5	28.6	42.8
86	67.3	52.9	79.3





#19

trans-1,2-Dichloroethene

Concen: 19.264 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX011060.D

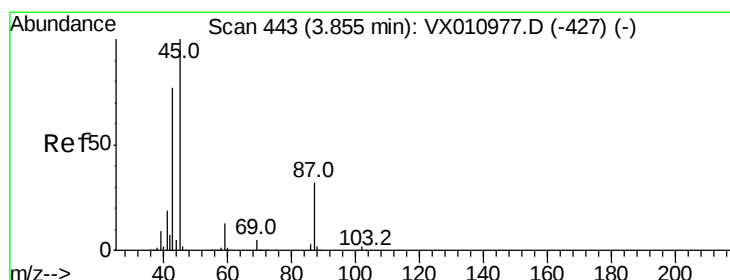
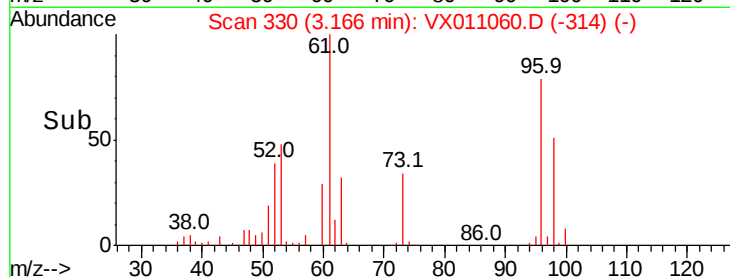
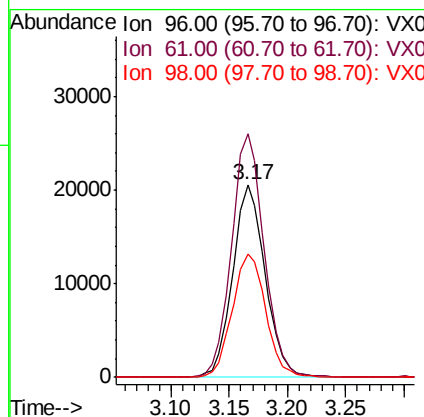
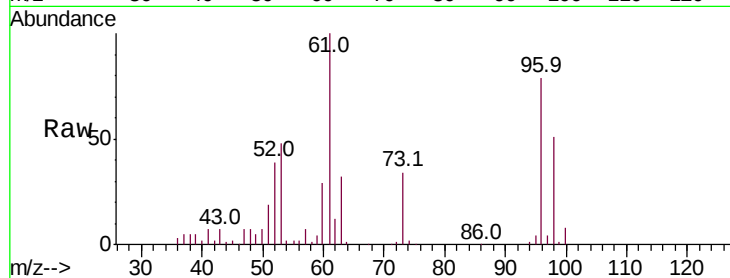
Acq: 24 Jul 2019 16:25

Tot Ion:	96	Resp:	40107
Ion	Ratio	Lower	Upper
96	100		
61	126.3	102.2	153.4
98	64.2	52.2	78.2

Instrument :
MSVOA_X
ClientSampleId :
VX0724WBSD01

Manual Integrations
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7/25/2019 3:55:00 PM



#20

Diisopropyl ether

Concen: 20.364 ug/l

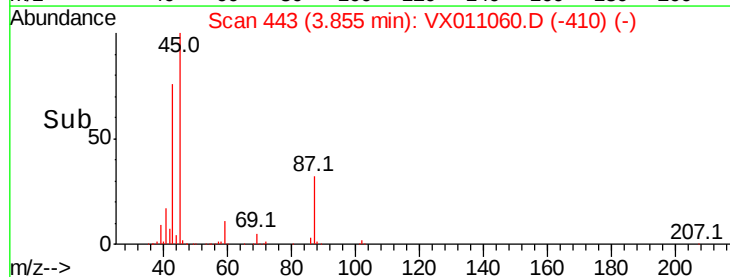
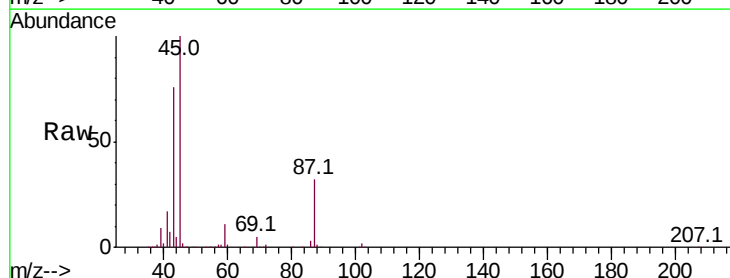
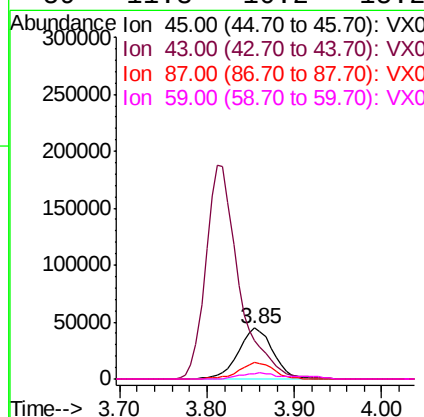
RT: 3.85 min Scan# 443

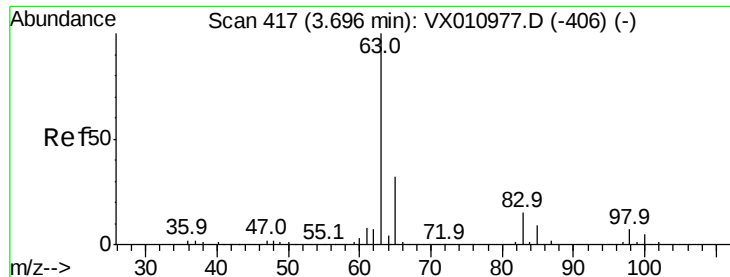
Delta R.T. -0.00 min

Lab File: VX011060.D

Acq: 24 Jul 2019 16:25

Tgt Ion:	45	Resp:	122661
Ion	Ratio	Lower	Upper
45	100		
43	75.2	61.5	92.3
87	32.1	25.4	38.2
59	11.3	10.2	15.2





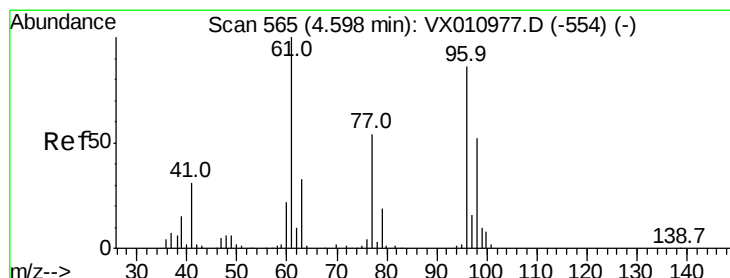
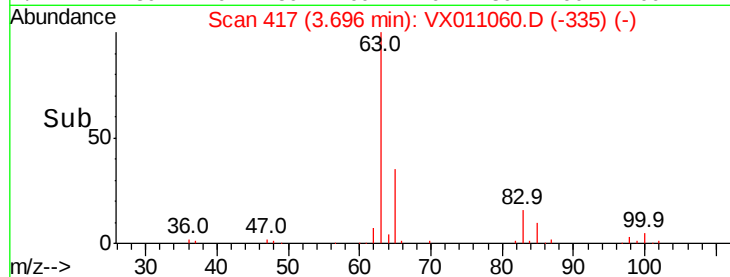
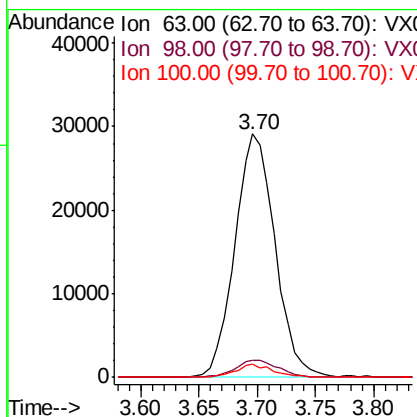
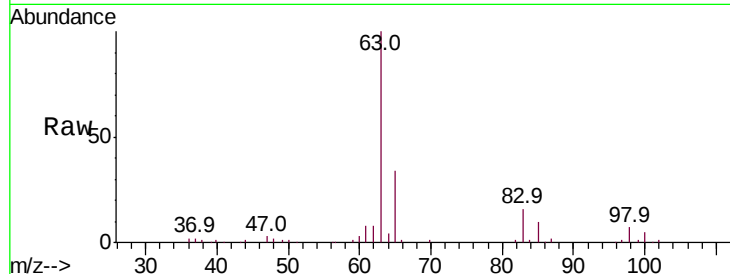
#21
 1,1-Dichloroethane
 Concen: 20.124 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. -0.00 min
 Lab File: VX011060.D
 Acq: 24 Jul 2019 16:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0724WBSD01

Tot Ion:	63	Resp:	69754
Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.8	11.2
100	5.2	2.5	7.4

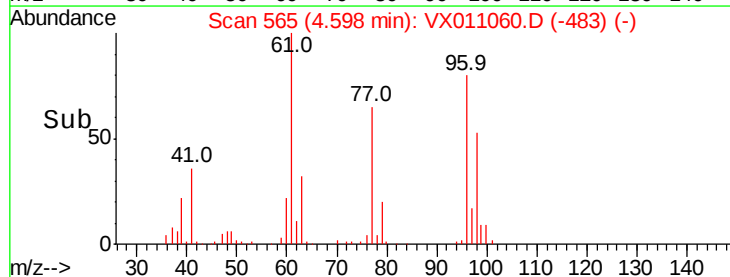
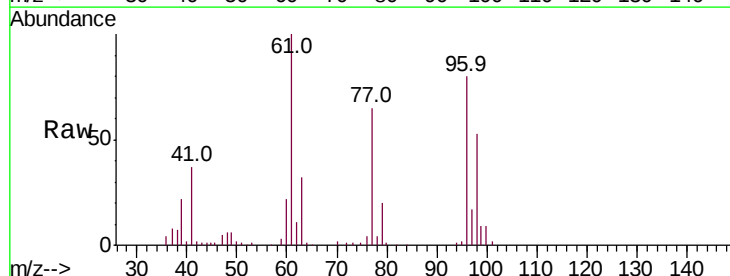
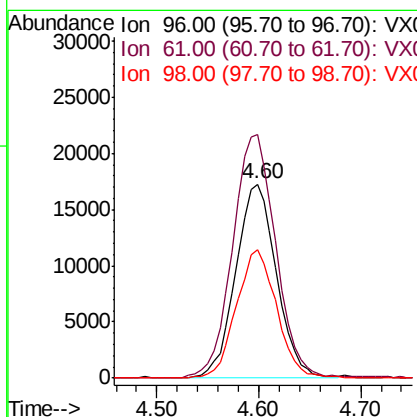
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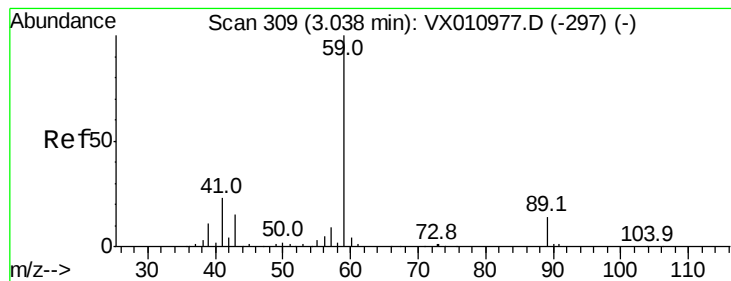
MMDadoda
 7/25/2019 3:55:00 PM



#22
 cis-1,2-Dichloroethene
 Concen: 19.984 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX011060.D
 Acq: 24 Jul 2019 16:25

Tgt Ion:	96	Resp:	47851
Ion	Ratio	Lower	Upper
96	100		
61	132.7	102.9	154.3
98	65.4	50.9	76.3





#23

tert-Butyl Alcohol

Concen: 90.940 ug/l

RT: 3.04 min Scan# 310

Delta R.T. 0.01 min

Lab File: VX011060.D

Acq: 24 Jul 2019 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX0724WBSD01

Tot Ion: 59 Resp: 51439

Ion Ratio Lower Upper

59 100

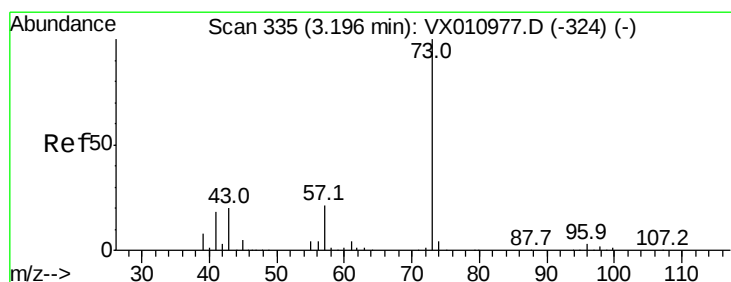
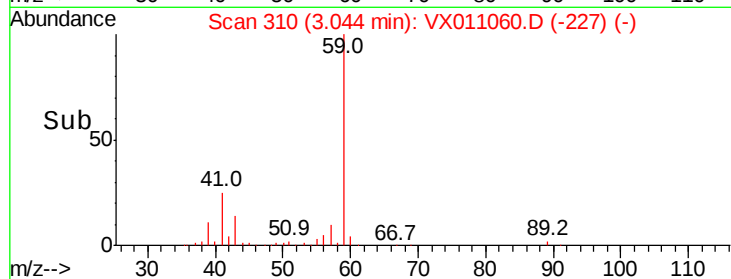
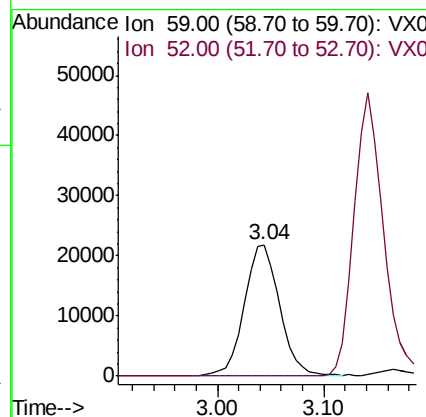
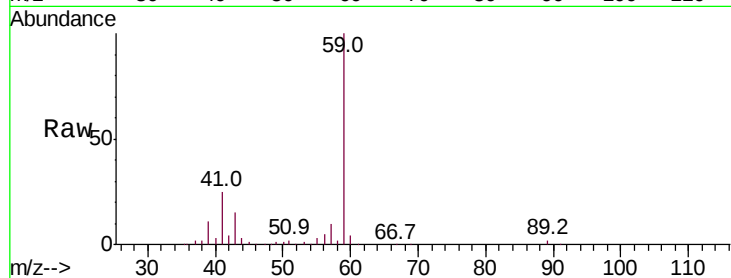
52 0.4 0.2 0.4#

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#24

Methyl tert-Butyl Ether

Concen: 20.593 ug/l

RT: 3.20 min Scan# 335

Delta R.T. -0.00 min

Lab File: VX011060.D

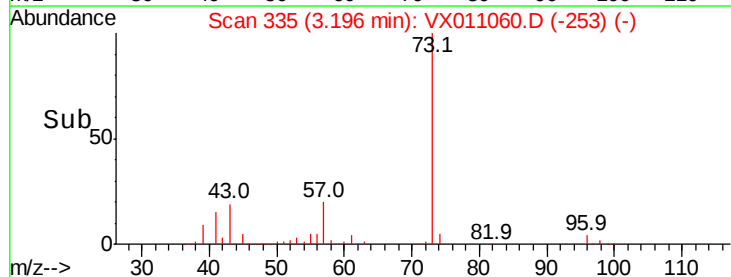
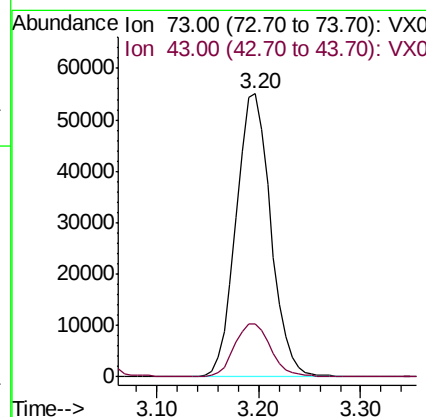
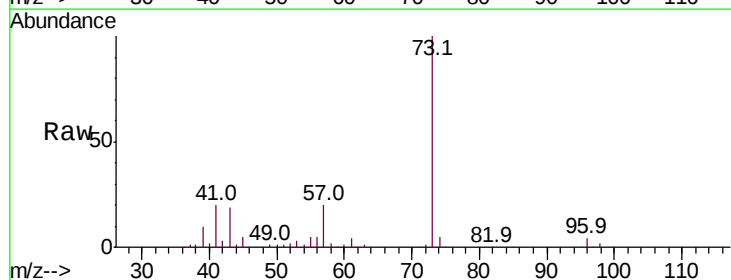
Acq: 24 Jul 2019 16:25

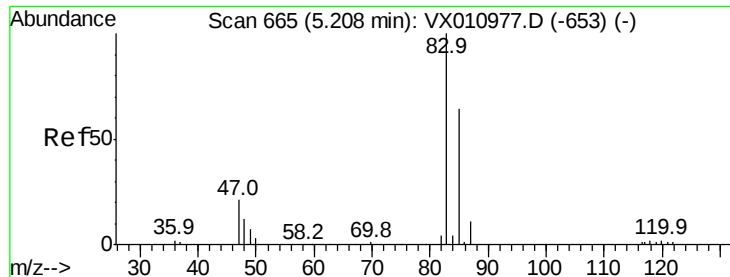
Tgt Ion: 73 Resp: 130288

Ion Ratio Lower Upper

73 100

43 19.6 15.8 23.6





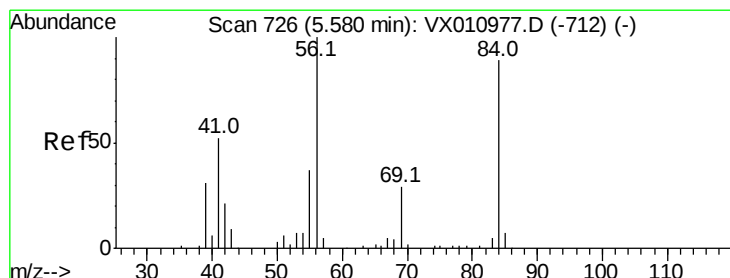
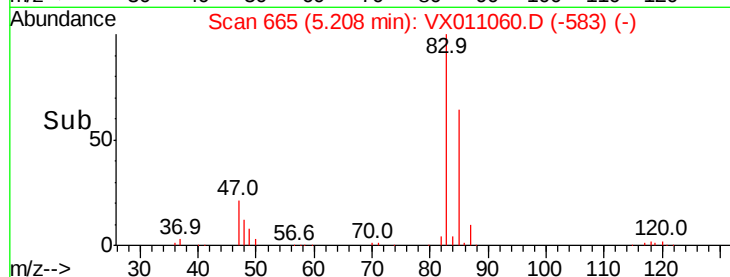
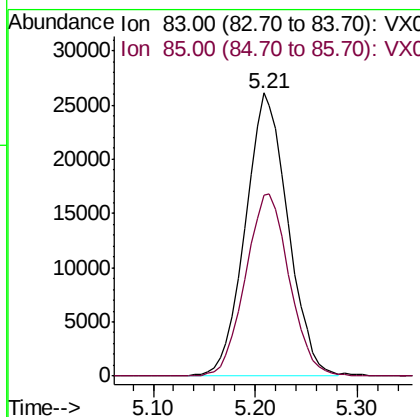
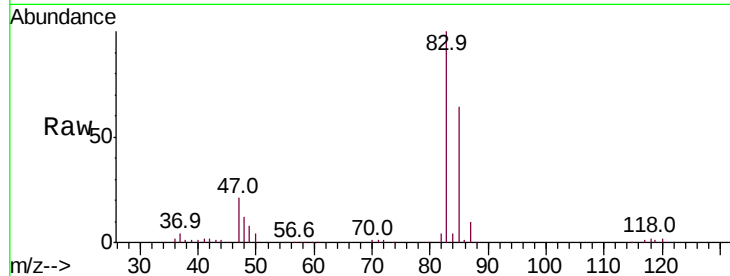
#25
Chloroform
Concen: 19.927 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.00 min
Lab File: VX011060.D
Acq: 24 Jul 2019 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX0724WBSD01

Tot Ion: 83 Resp: 75653
Ion Ratio Lower Upper
83 100
85 64.2 50.9 76.3

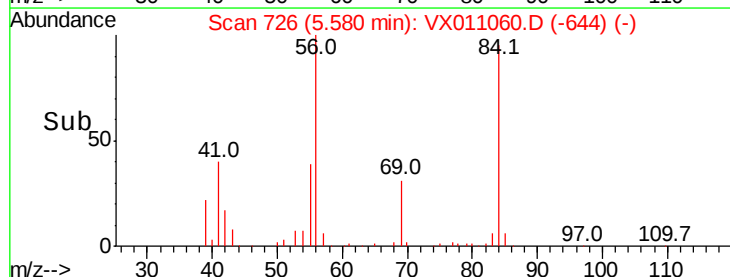
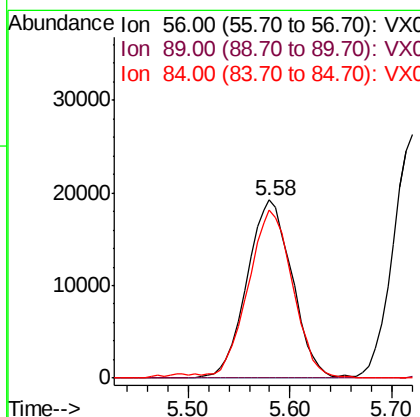
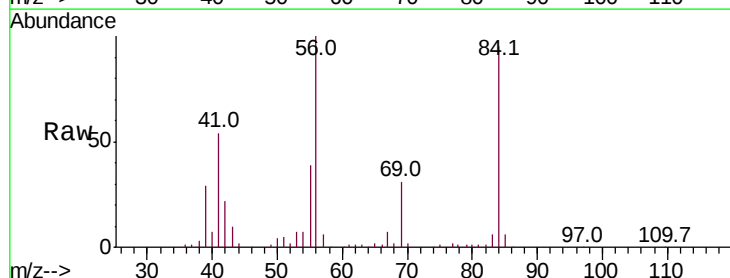
Manual Integrations
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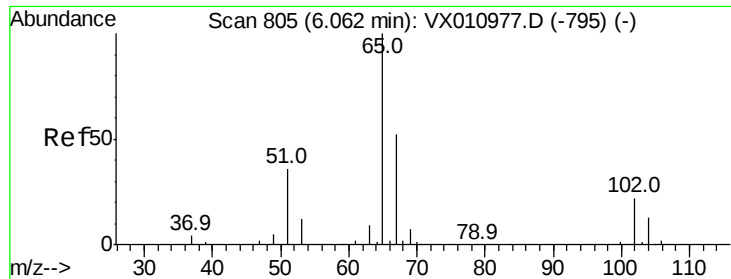
MMDadoda
7/25/2019 3:55:00 PM



#26
Cyclohexane
Concen: 18.570 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX011060.D
Acq: 24 Jul 2019 16:25

Tgt Ion: 56 Resp: 58902
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 93.9 73.0 109.4





#27

1,2-Dichloroethane-d4

Concen: 29.668 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX011060.D

Acq: 24 Jul 2019 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX0724WBSD01

Tot Ion: 65 Resp: 70880

Ion Ratio Lower Upper

65 100

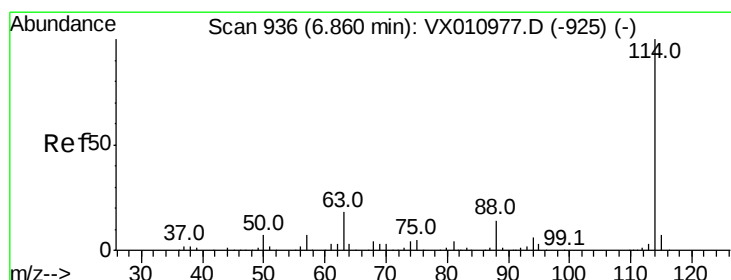
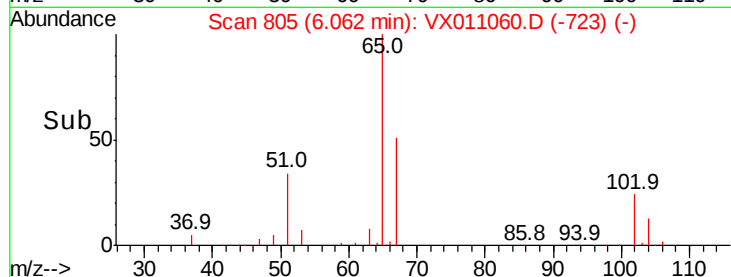
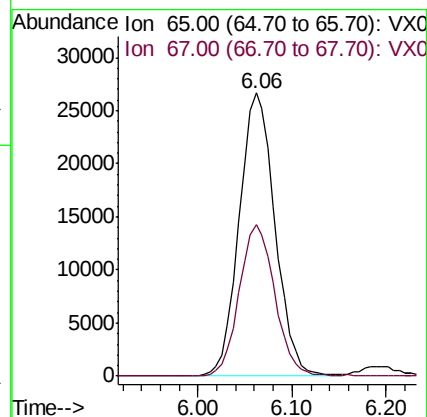
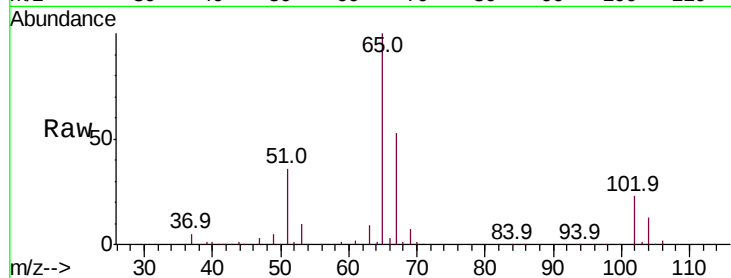
67 52.9 41.7 62.5

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX011060.D

Acq: 24 Jul 2019 16:25

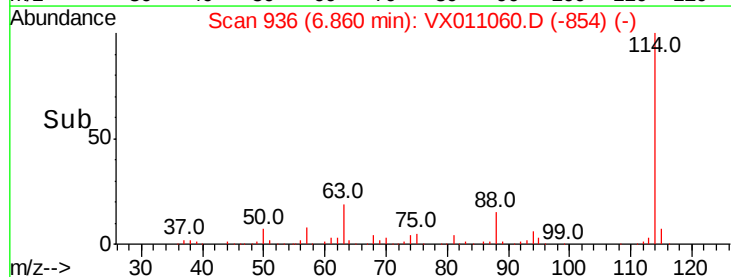
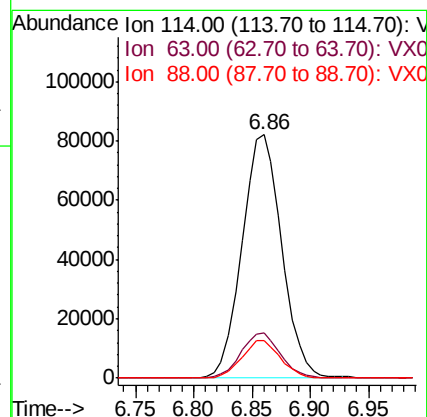
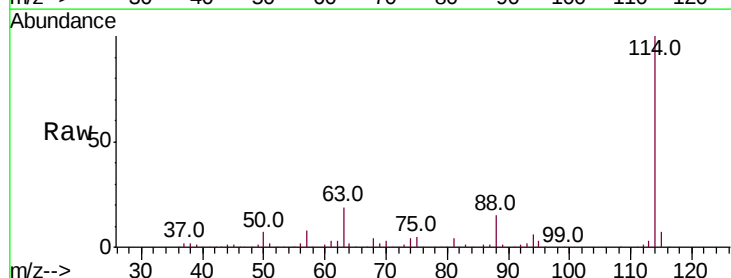
Tgt Ion:114 Resp: 194925

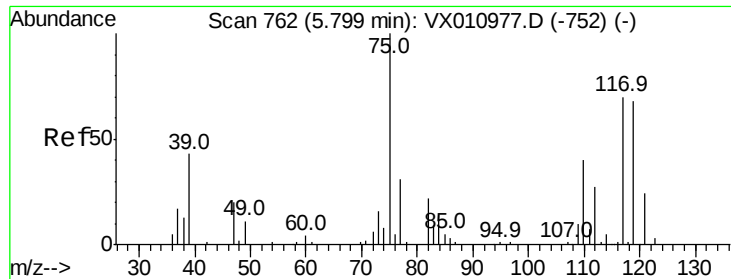
Ion Ratio Lower Upper

114 100

63 18.5 14.6 22.0

88 15.0 11.8 17.8





#29

1,1-Dichloropropene

Concen: 19.239 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX011060.D

Acq: 24 Jul 2019 16:25

Instrument :

MSVOA_X

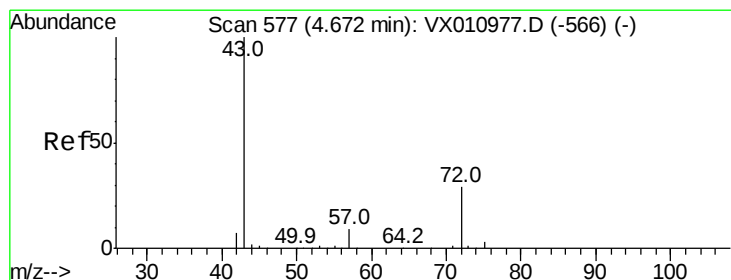
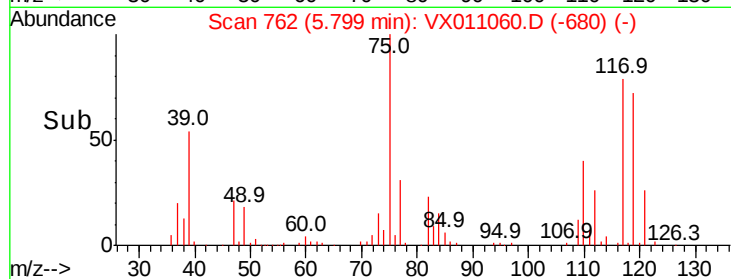
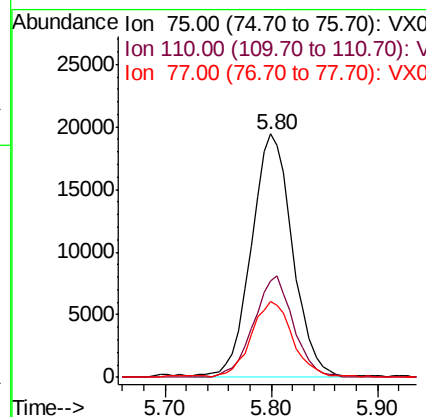
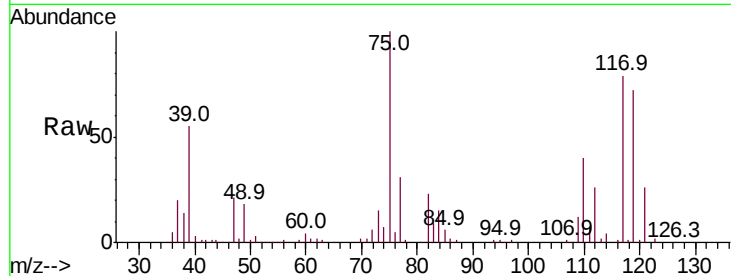
ClientSampleId :

VX0724WBSD01

Tot Ion:	75	Resp:	52740
Ion Ratio	Lower	Upper	
75	100		
110	40.2	0.0	79.8
77	31.2	0.0	62.2

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#30

2-Butanone

Concen: 104.205 ug/l

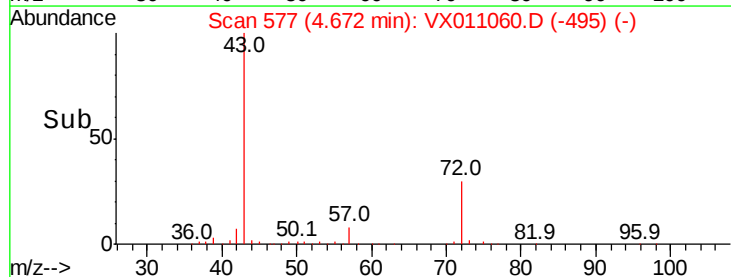
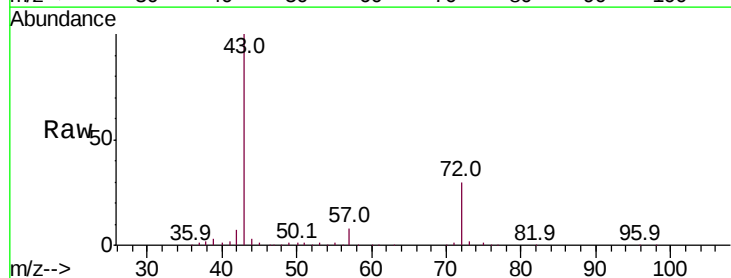
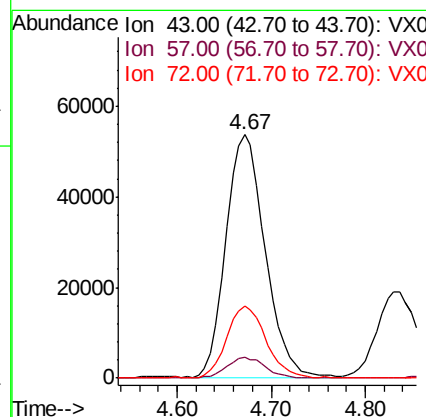
RT: 4.67 min Scan# 577

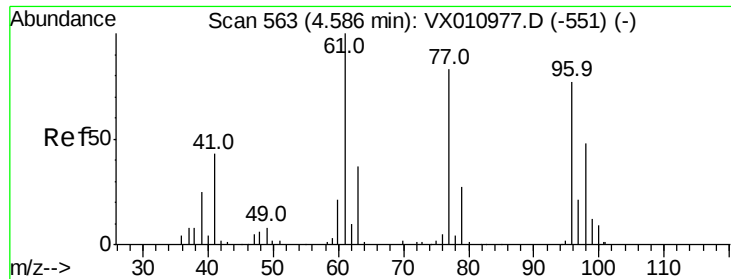
Delta R.T. -0.00 min

Lab File: VX011060.D

Acq: 24 Jul 2019 16:25

Tgt Ion:	43	Resp:	154191
Ion Ratio	Lower	Upper	
43	100		
57	8.4	6.8	10.2
72	29.7	23.2	34.8





#31

2,2-Dichloropropane

Concen: 23.079 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX011060.D

Acq: 24 Jul 2019 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX0724WBSD01

Tot Ion: 77 Resp: 55223

Ion Ratio Lower Upper

77 100

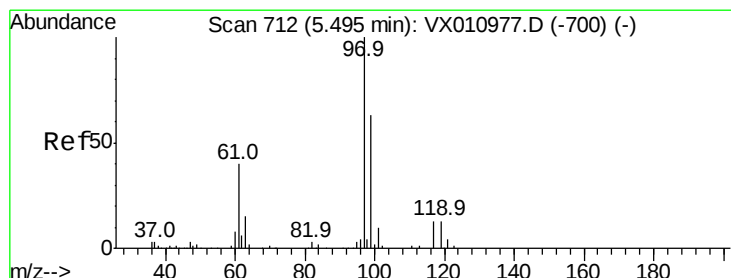
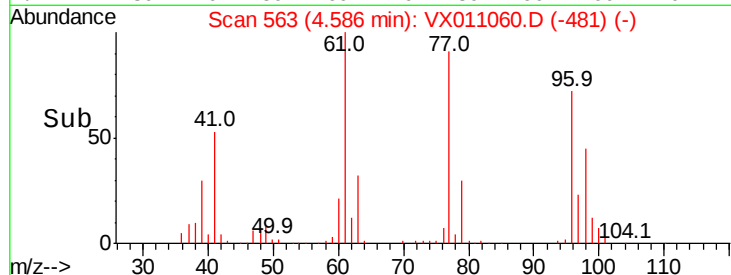
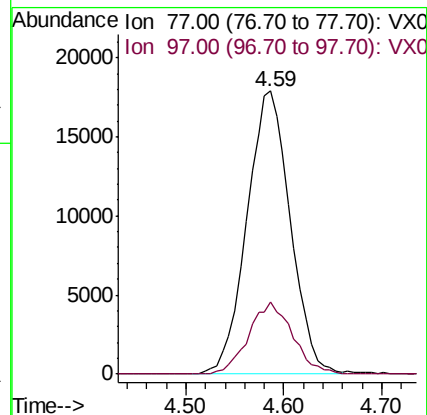
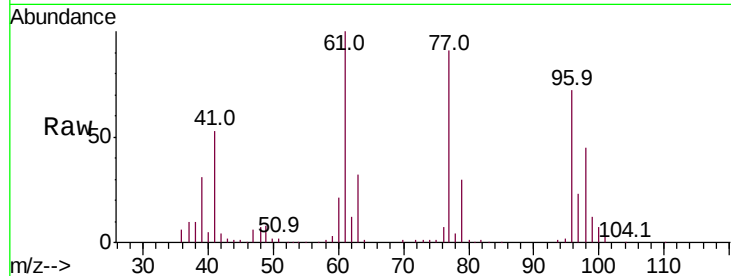
97 25.8 20.9 31.3

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#32

1,1,1-Trichloroethane

Concen: 20.017 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX011060.D

Acq: 24 Jul 2019 16:25

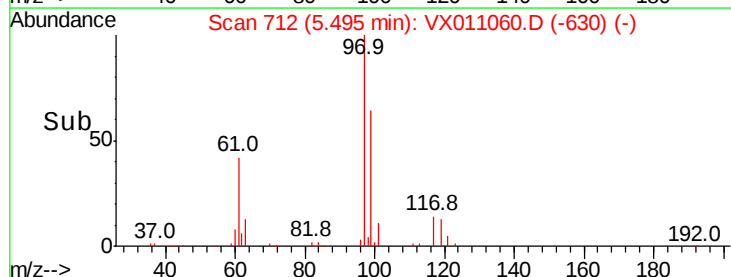
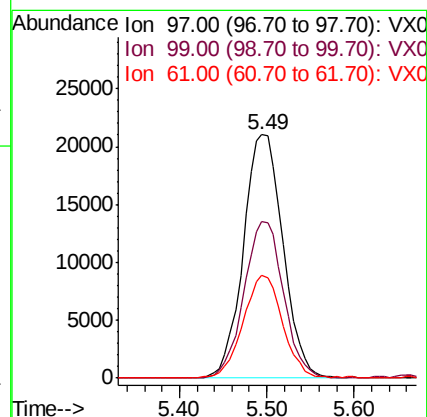
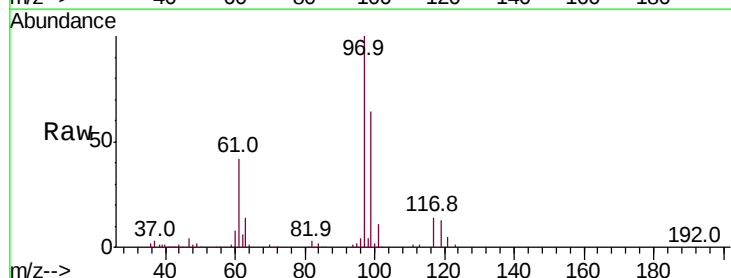
Tgt Ion: 97 Resp: 66171

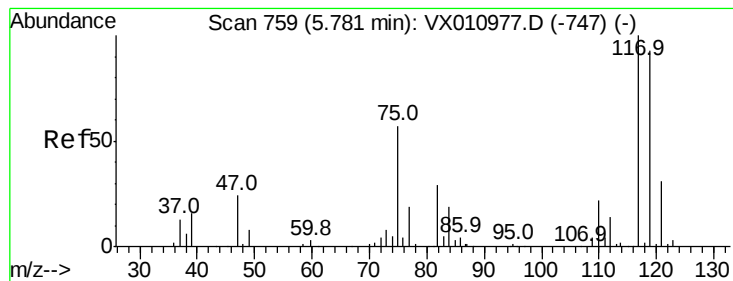
Ion Ratio Lower Upper

97 100

99 63.9 51.0 76.6

61 42.0 34.3 51.5





#33

Carbon Tetrachloride

Concen: 19.838 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX011060.D

Acq: 24 Jul 2019 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX0724WBSD01

Tot Ion:117 Resp: 57019

Ion Ratio Lower Upper

117 100

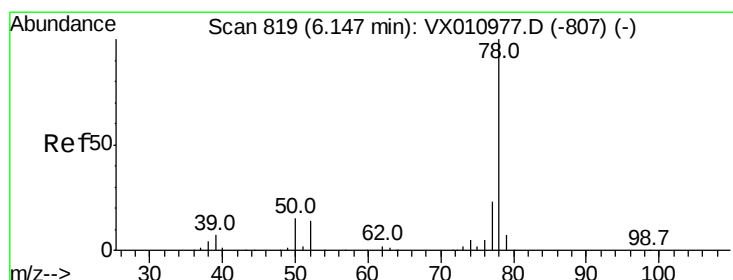
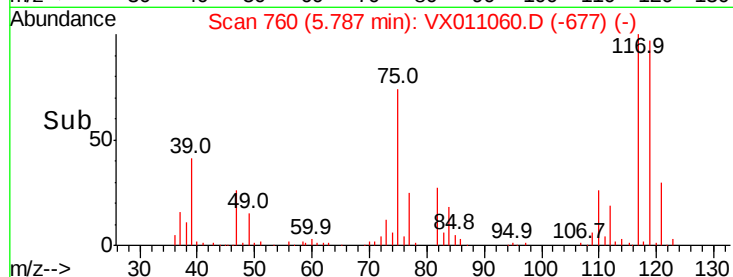
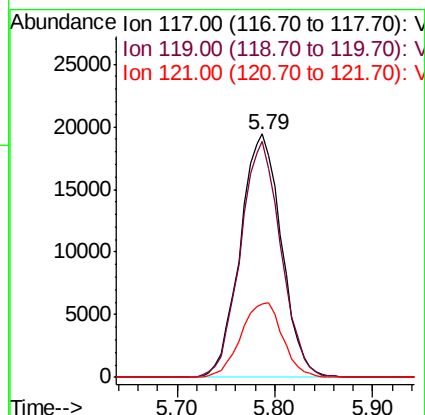
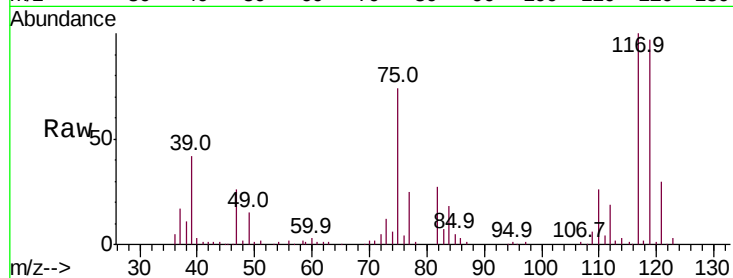
119 97.1 74.3 111.5

121 30.1 24.9 37.3

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#34

Benzene

Concen: 20.198 ug/l

RT: 6.15 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX011060.D

Acq: 24 Jul 2019 16:25

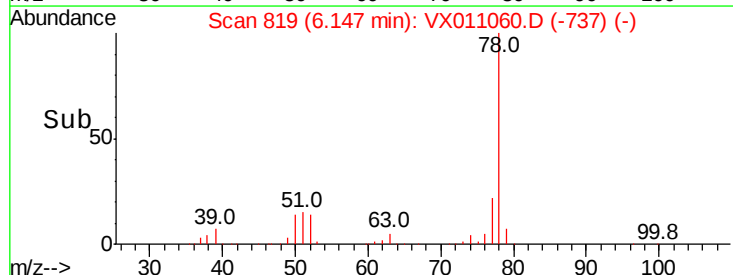
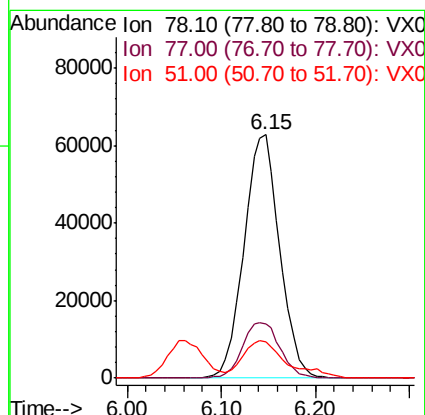
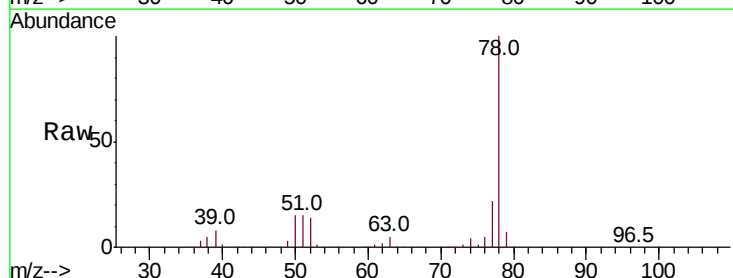
Tgt Ion: 78 Resp: 166088

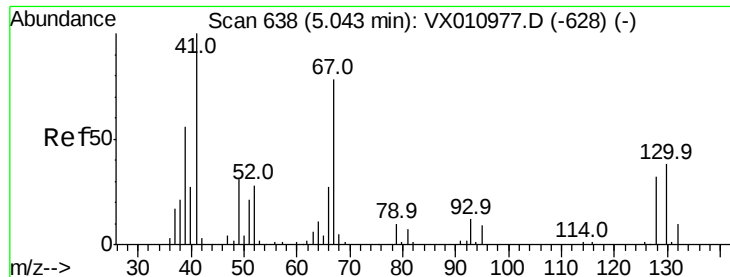
Ion Ratio Lower Upper

78 100

77 22.4 18.2 27.4

51 14.1 11.4 17.2





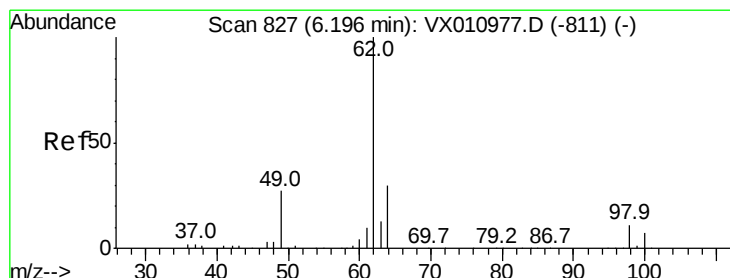
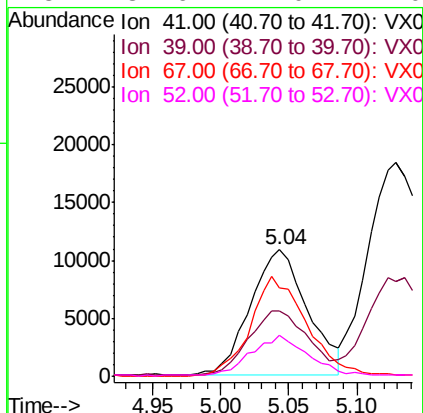
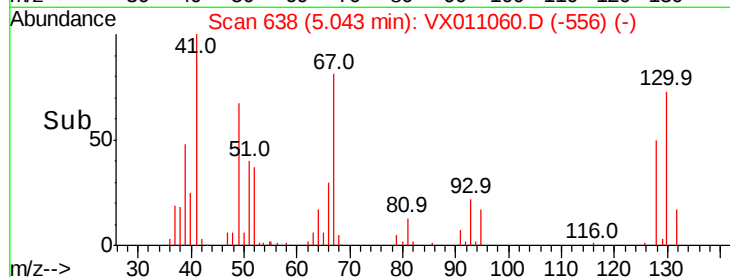
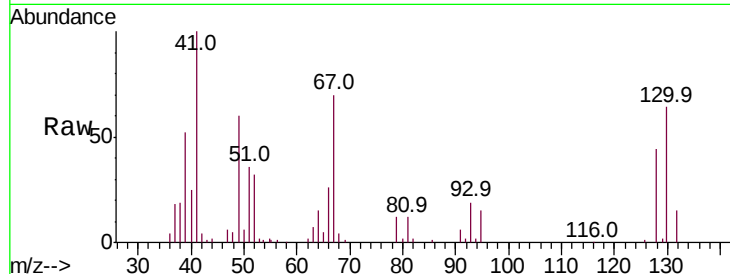
#35
Methacrylonitrile
Concen: 20.549 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX011060.D
Acq: 24 Jul 2019 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX0724WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.0	27.6	82.8
67	70.8	39.1	117.2
52	31.6	14.0	42.0

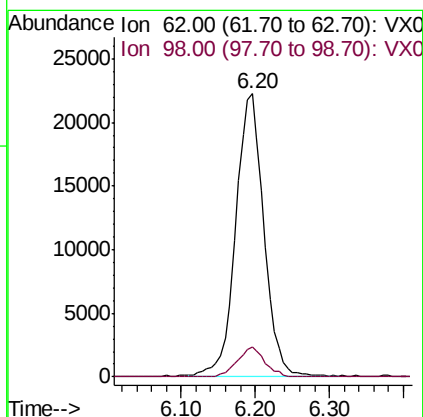
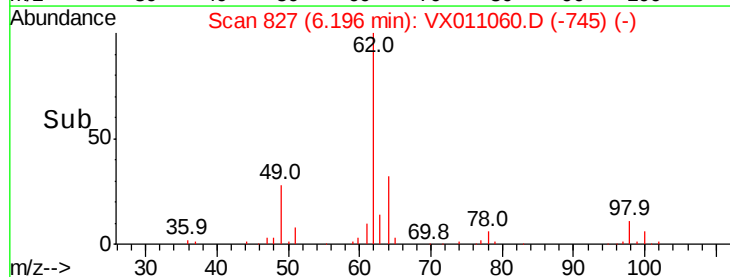
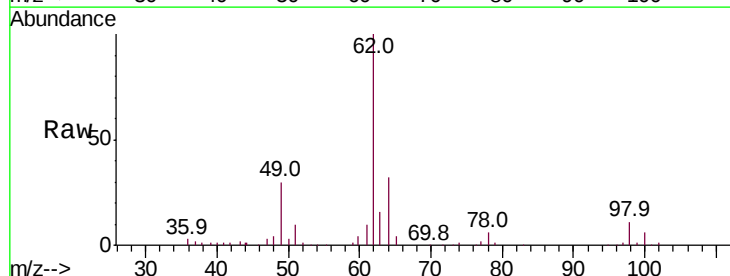
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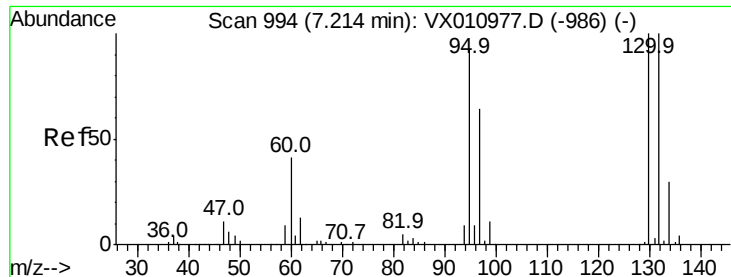
MMDadoda
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#36
1,2-Dichloroethane
Concen: 20.179 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX011060.D
Acq: 24 Jul 2019 16:25

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	8.0	12.0





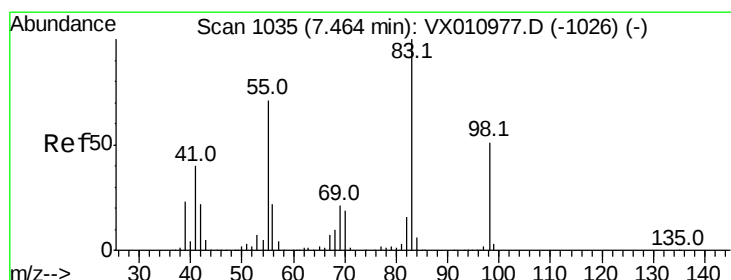
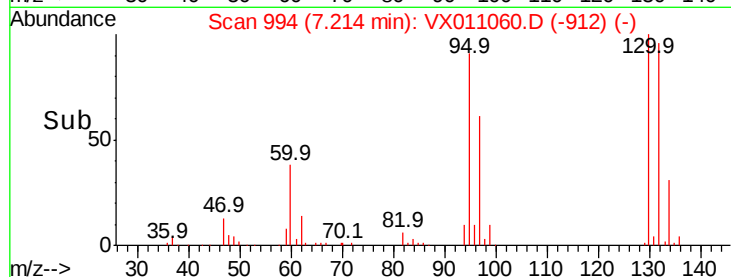
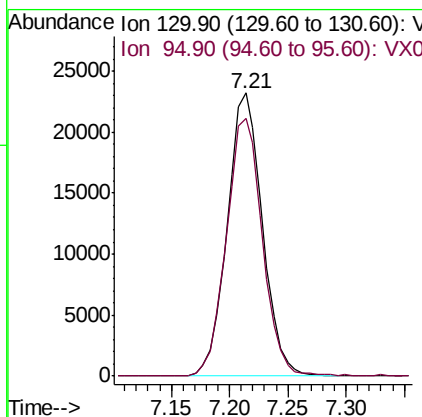
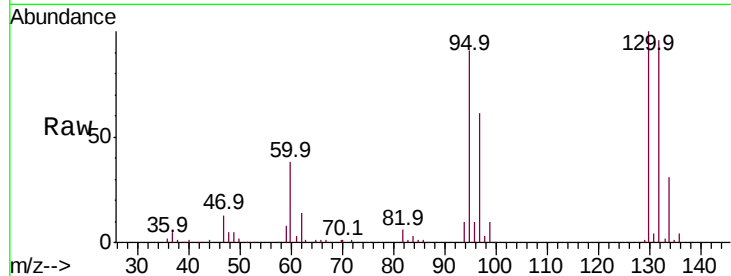
#37
 Trichloroethene
 Concen: 20.215 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX011060.D
 Acq: 24 Jul 2019 16:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0724WBSD01

Tot Ion:130 Resp: 48664
 Ion Ratio Lower Upper
 130 100
 95 90.9 74.1 111.1

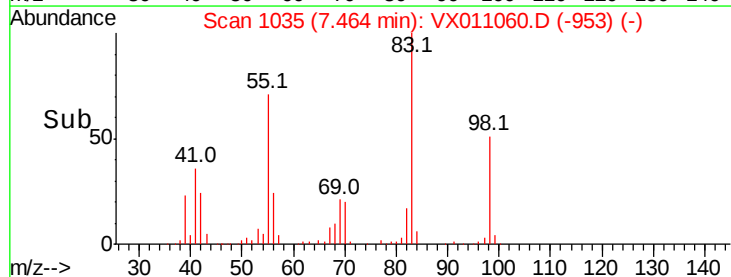
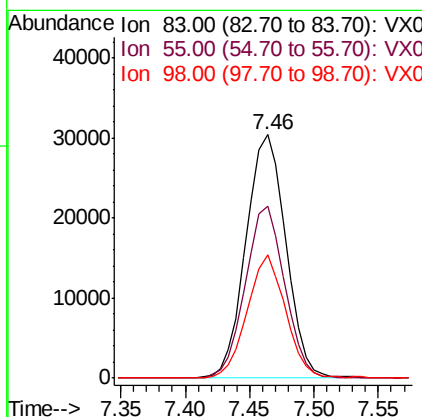
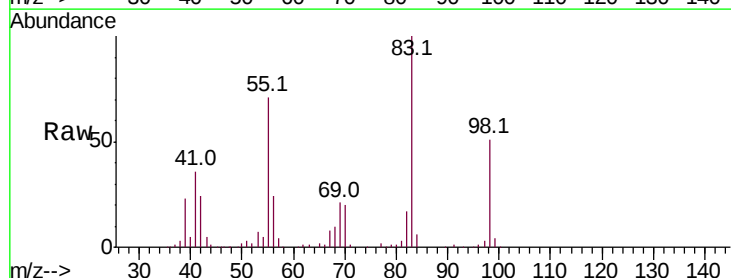
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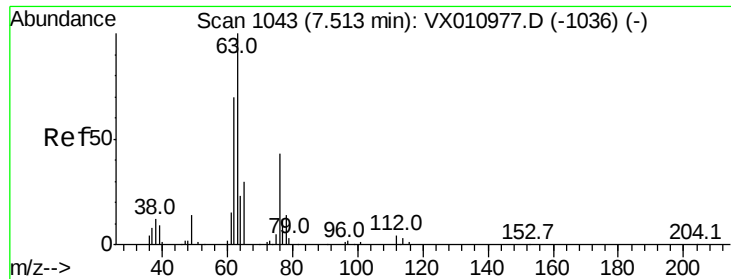
MMDadoda
 7/25/2019 3:55:00 PM



#38
 Methylcyclohexane
 Concen: 18.905 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: VX011060.D
 Acq: 24 Jul 2019 16:25

Tgt Ion: 83 Resp: 65402
 Ion Ratio Lower Upper
 83 100
 55 69.7 35.3 105.9
 98 48.5 24.0 72.0





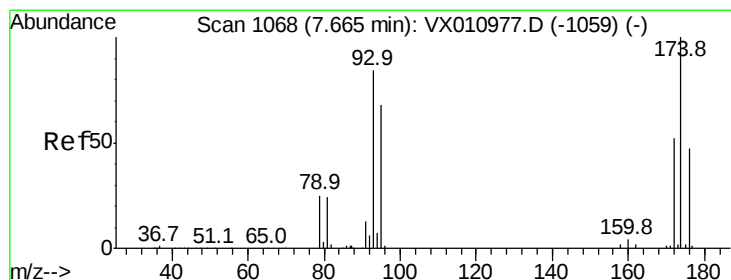
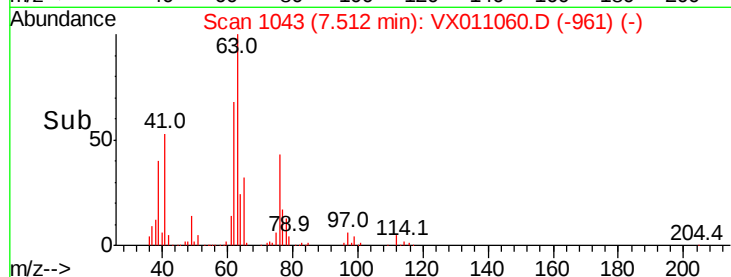
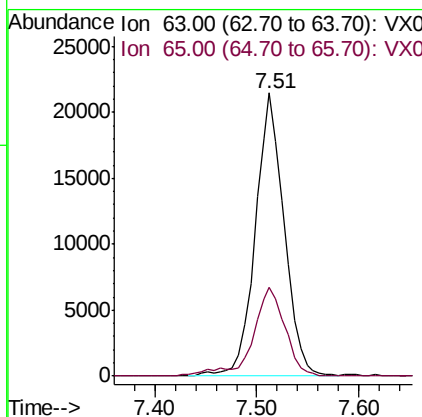
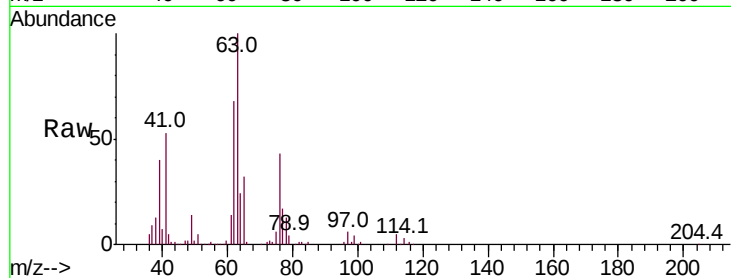
#39
 1,2-Dichloropropane
 Concen: 20.588 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX011060.D
 Acq: 24 Jul 2019 16:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0724WBSD01

Tot Ion: 63 Resp: 42316
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.6 38.4

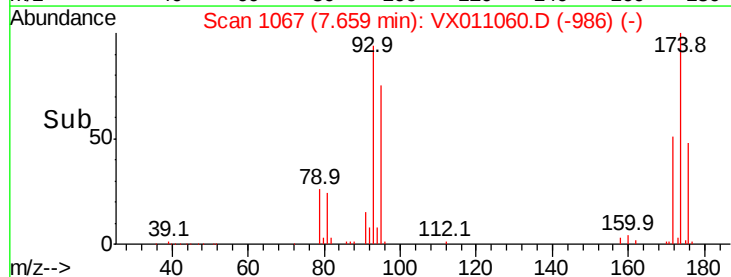
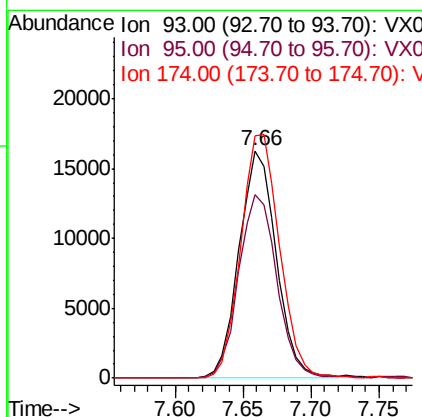
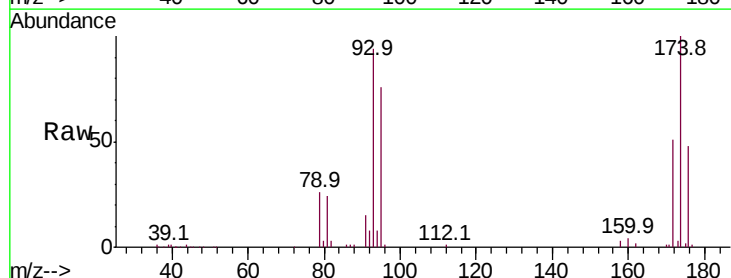
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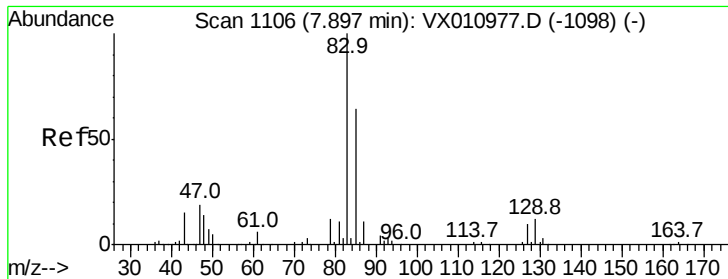
MMDadoda
 7/25/2019 3:55:00 PM



#40
 Dibromomethane
 Concen: 20.626 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.01 min
 Lab File: VX011060.D
 Acq: 24 Jul 2019 16:25

Tgt Ion: 93 Resp: 31179
 Ion Ratio Lower Upper
 93 100
 95 83.4 0.0 166.0
 174 111.5 0.0 229.2





#41

Bromodichloromethane

Concen: 19.786 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX011060.D

Acq: 24 Jul 2019 16:25

Instrument :

MSVOA_X

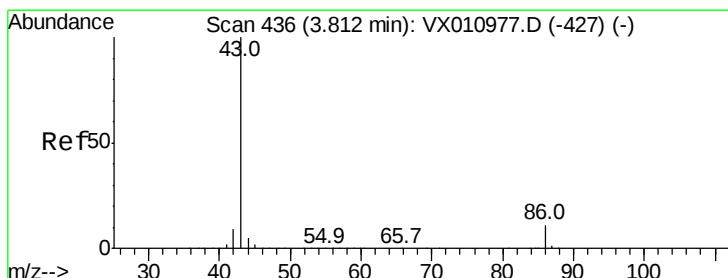
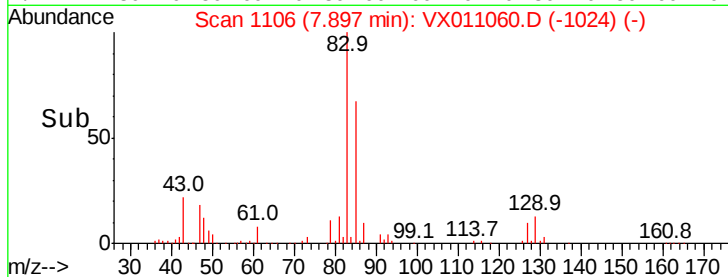
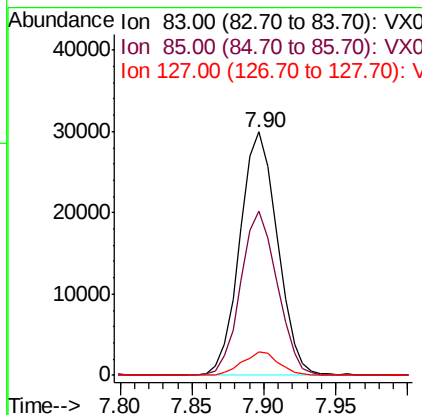
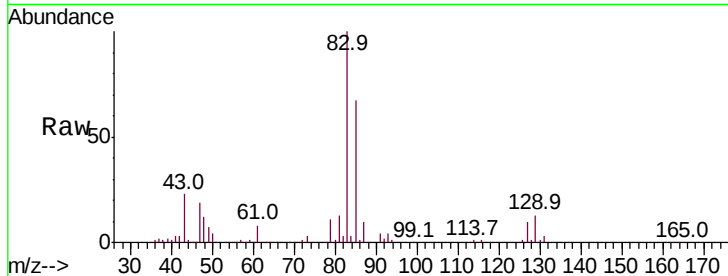
ClientSampleId :

VX0724WBSD01

Tot Ion:	83	Resp:	54442
Ion	Ratio	Lower	Upper
83	100		
85	67.2	50.9	76.3
127	9.6	7.7	11.5

Manual Integrations
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MMDadoda
7/25/2019 3:55:00 PM



#42

Vinyl Acetate

Concen: 101.500 ug/l

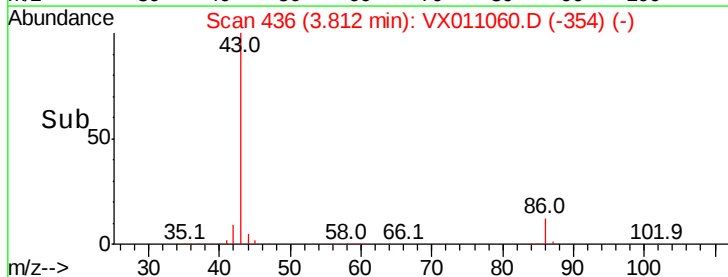
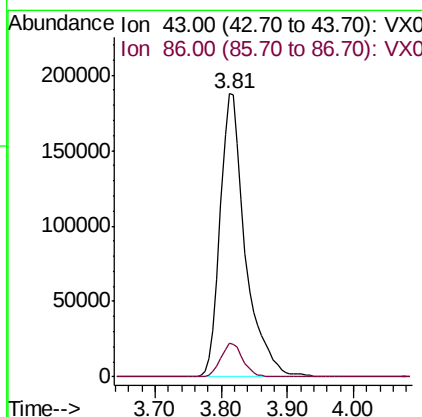
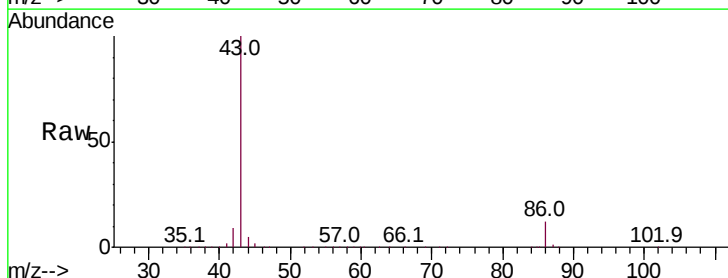
RT: 3.81 min Scan# 436

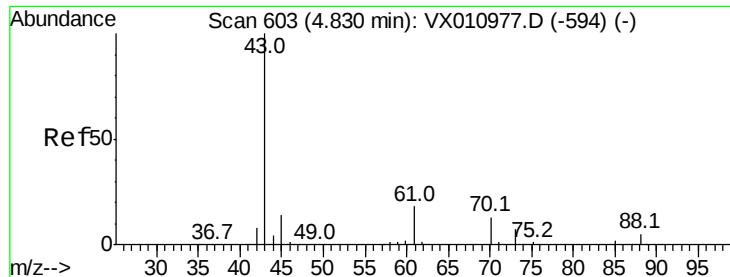
Delta R.T. -0.00 min

Lab File: VX011060.D

Acq: 24 Jul 2019 16:25

Tgt Ion:	43	Resp:	494821
Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.2	12.2





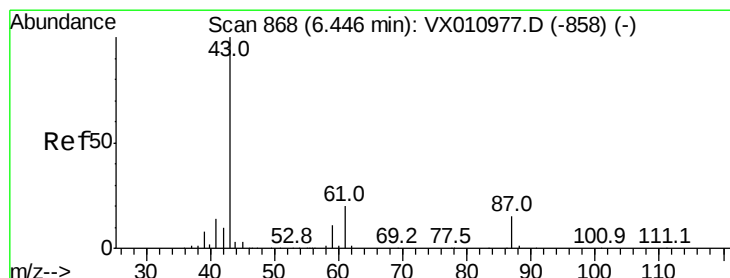
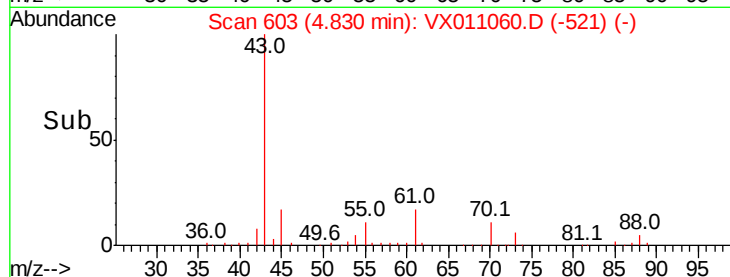
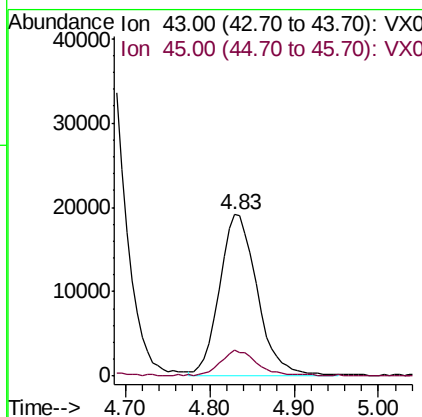
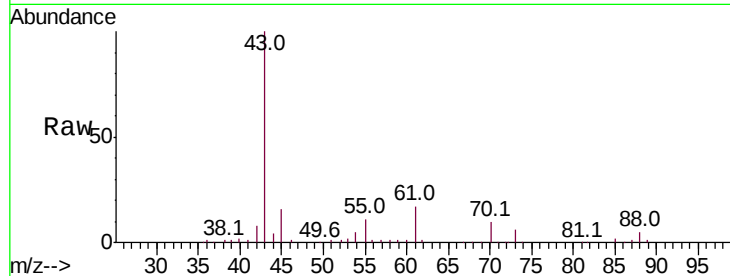
#43
Ethyl Acetate
Concen: 20.340 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.00 min
Lab File: VX011060.D
Acq: 24 Jul 2019 16:25

Instrument :
MSVOA_X
ClientSampled :
VX0724WBSD01

Tot Ion	43	45	Ratio	100	15.9	Resp	57773	Lower	Upper
43	100								
45		15.9						12.1	18.1

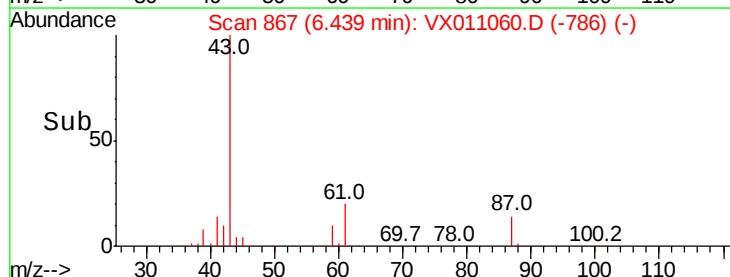
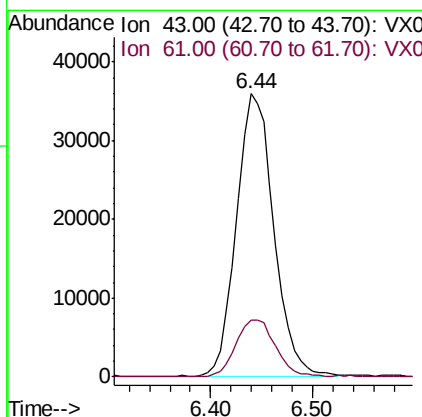
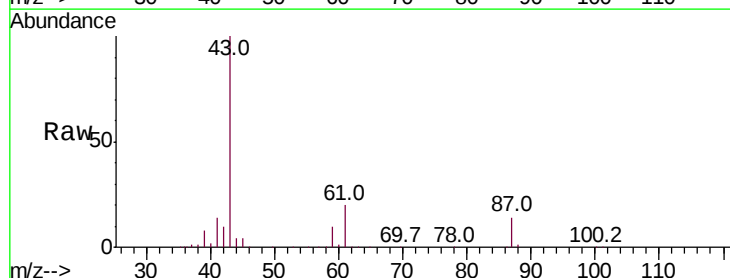
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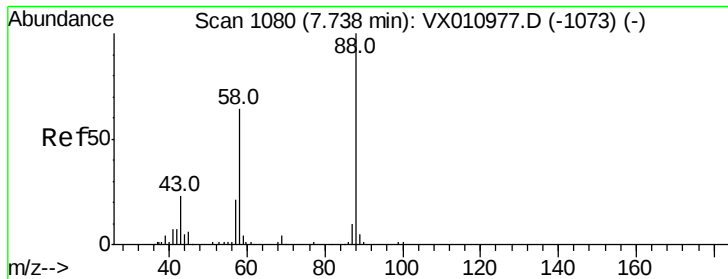
MMDadoda
7/25/2019 3:55:00 PM



#44
Isopropyl Acetate
Concen: 19.819 ug/l
RT: 6.44 min Scan# 867
Delta R.T. -0.01 min
Lab File: VX011060.D
Acq: 24 Jul 2019 16:25

Tgt Ion	43	61	Ratio	100	21.4	Resp	91691	Lower	Upper
43	100								
61		21.4						16.7	25.1





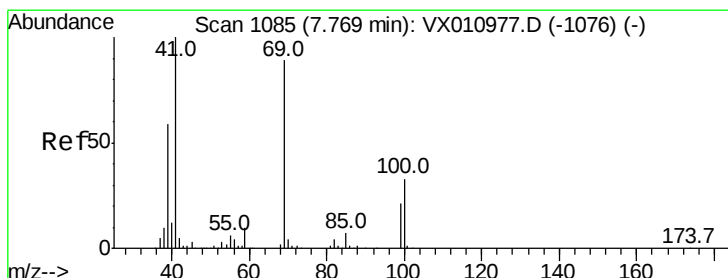
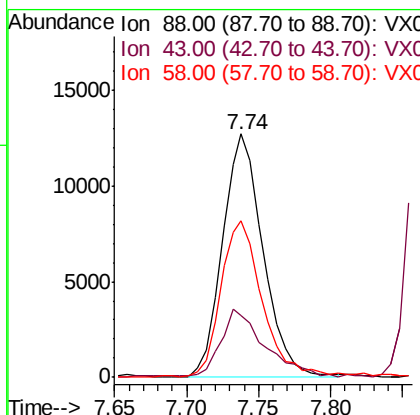
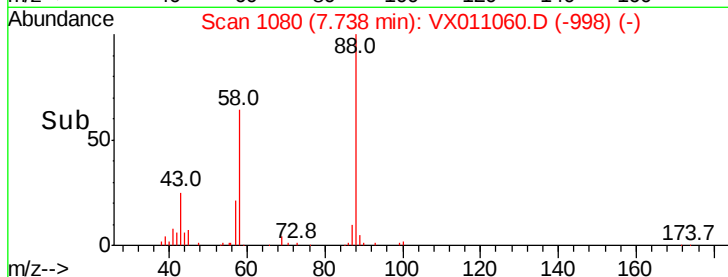
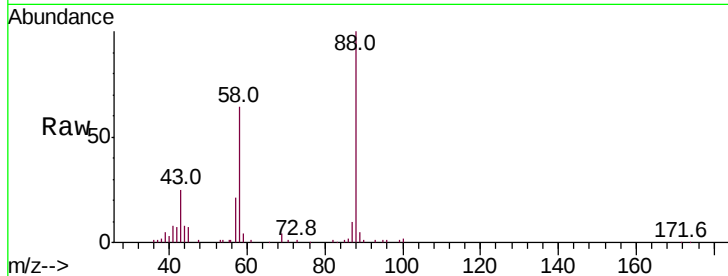
#45
1,4-Dioxane
Concen: 415.477 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX011060.D
Acq: 24 Jul 2019 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX0724WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	25018		
43	30.6		21.6	32.4
58	65.8		52.2	78.2

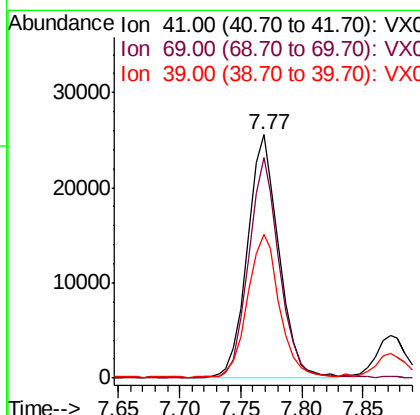
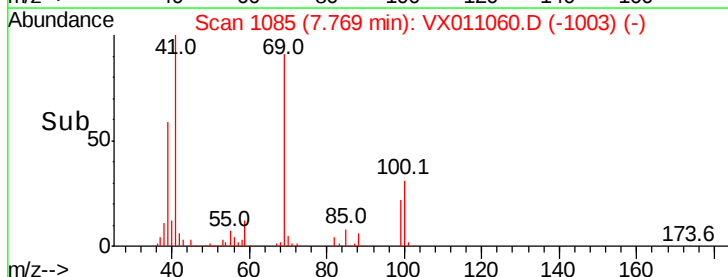
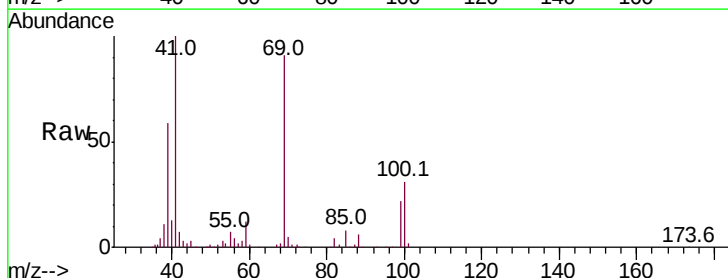
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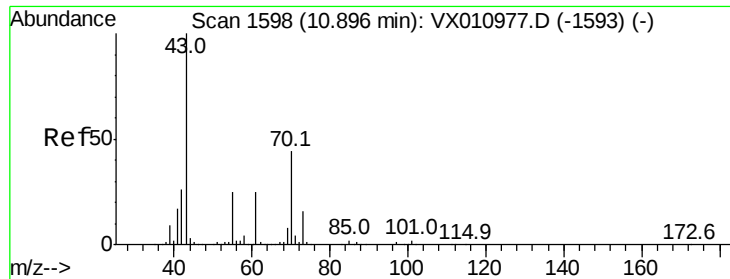
MMDadoda
7/25/2019 3:55:00 PM



#46
Methyl methacrylate
Concen: 20.253 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VX011060.D
Acq: 24 Jul 2019 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	45480		
69	90.8		44.7	134.1
39	58.8		29.4	88.2





#47

n-amvl Acetate

Concen: 19.878 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX011060.D

Acq: 24 Jul 2019 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX0724WBSD01

Tot Ion: 43 Resp: 82476

Ion Ratio Lower Upper

43 100

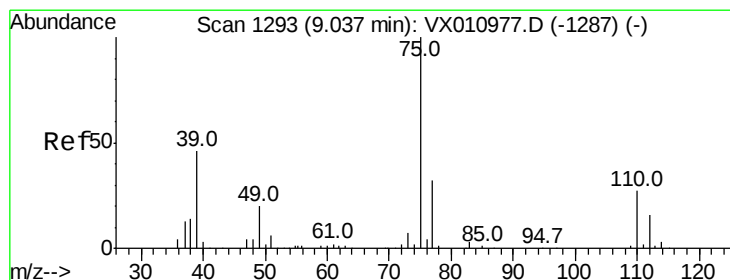
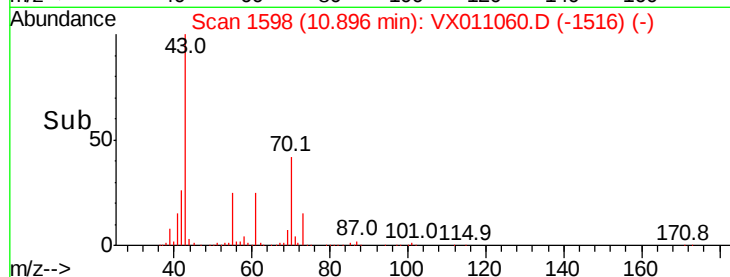
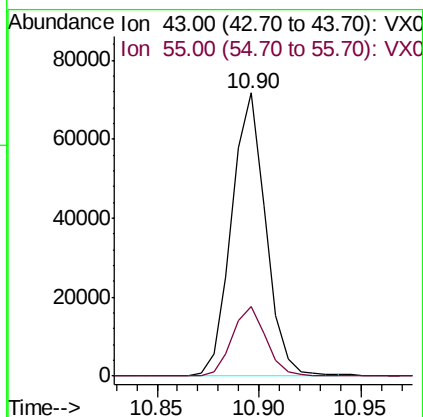
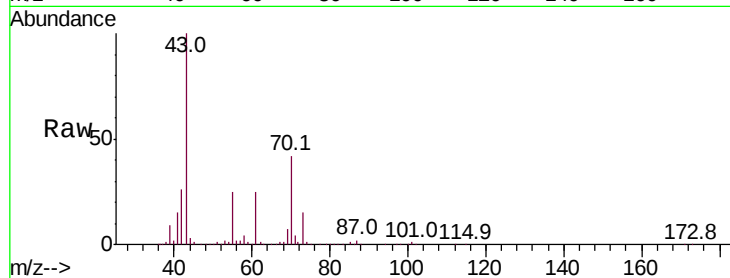
55 24.7 19.6 29.4

Manual Integrations

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7/25/2019 3:55:00 PM



#48

t-1,3-Dichloropropene

Concen: 19.169 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VX011060.D

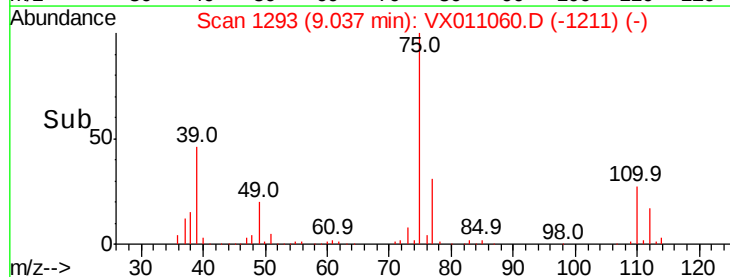
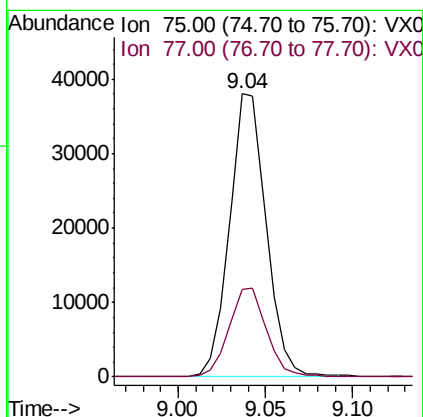
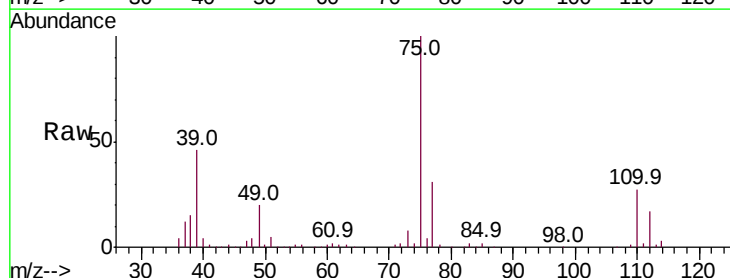
Acq: 24 Jul 2019 16:25

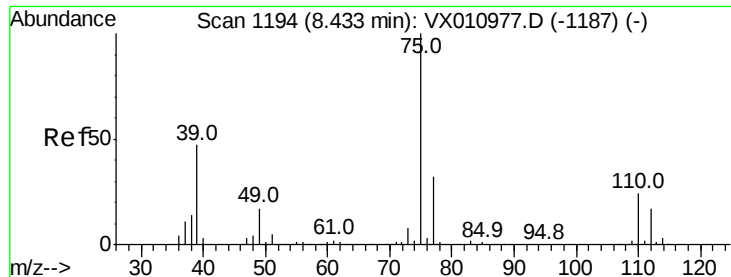
Tgt Ion: 75 Resp: 55586

Ion Ratio Lower Upper

75 100

77 30.8 25.7 38.5





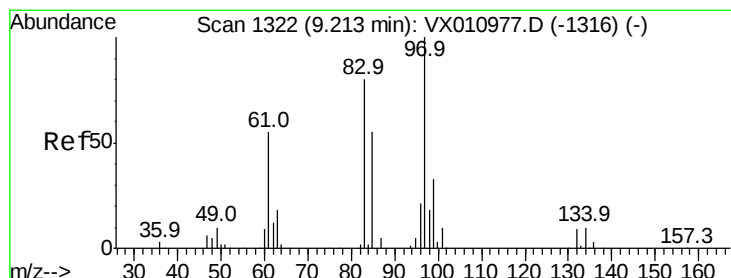
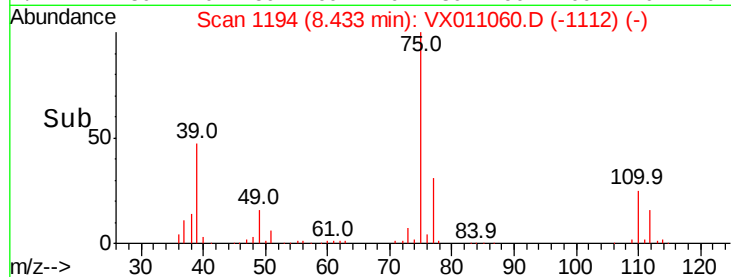
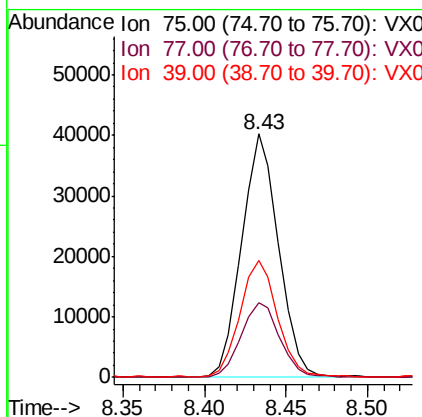
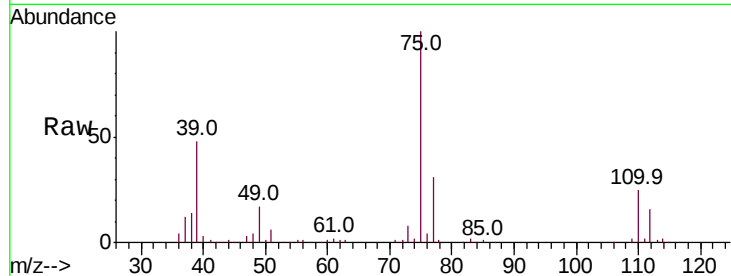
#49
 cis-1,3-Dichloropropene
 Concen: 20.058 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX011060.D
 Acq: 24 Jul 2019 16:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0724WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.3	37.9
39	47.5	37.8	56.6

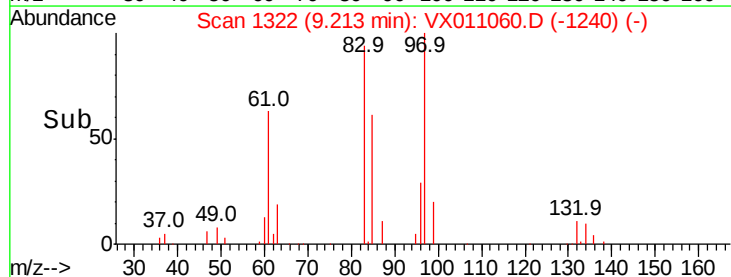
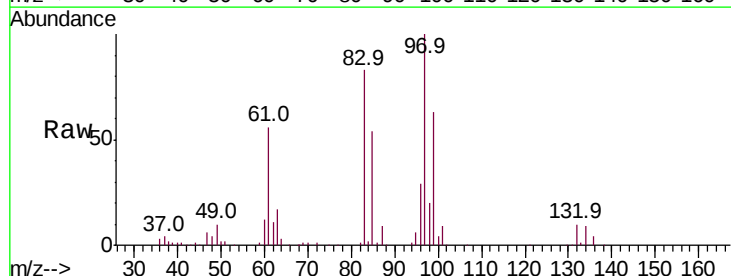
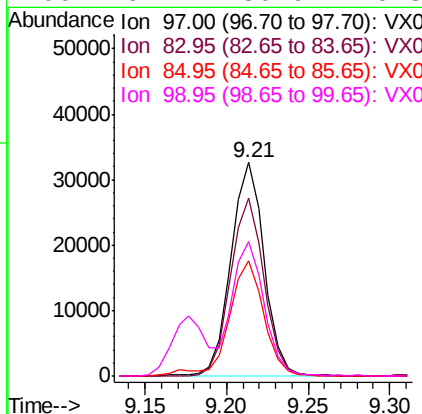
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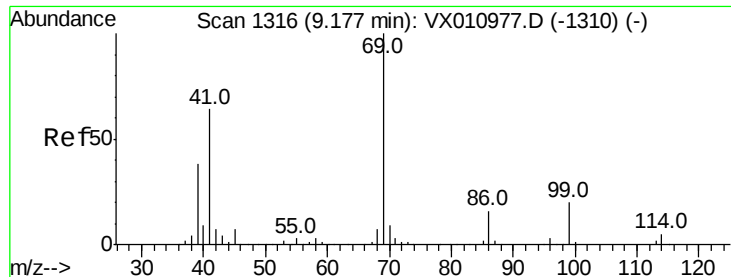
MMDadoda
 7/25/2019 3:55:00 PM



#50
 1,1,2-Trichloroethane
 Concen: 20.853 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX011060.D
 Acq: 24 Jul 2019 16:25

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.9	63.9	95.9
85	54.1	43.4	65.2
99	62.7	50.9	76.3





#51

Ethyl methacrylate

Concen: 19.879 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX011060.D

Acq: 24 Jul 2019 16:25

Instrument :

MSVOA_X

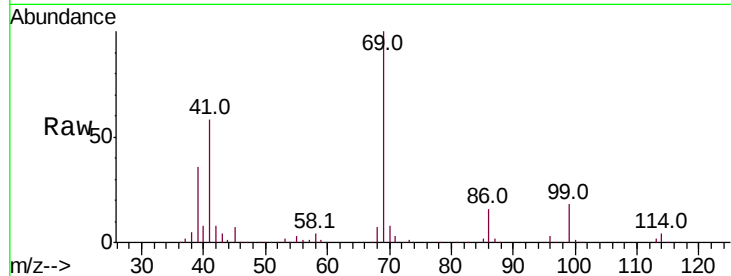
ClientSampled :

VX0724WBSD01

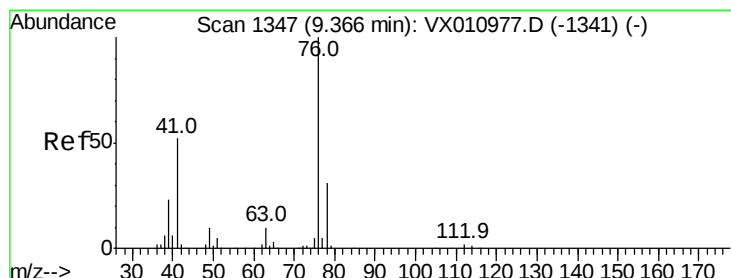
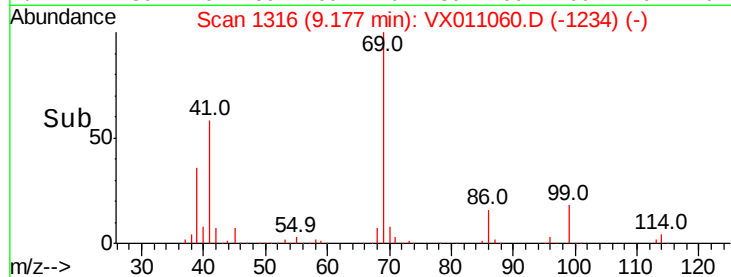
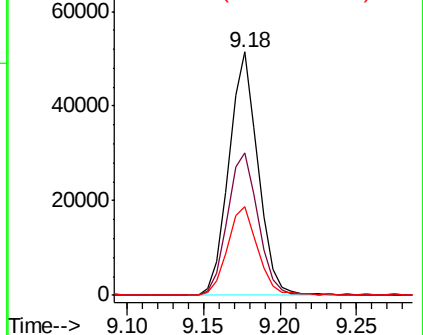
Tot Ion:	69	Resp:	68020
Ion Ratio	Lower	Upper	
69	100		
41	58.3	32.1	96.3
39	35.9	19.1	57.3

Manual Integrations
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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: 20.276 ug/l

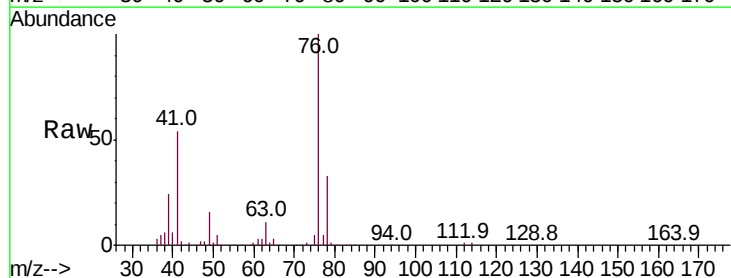
RT: 9.37 min Scan# 1348

Delta R.T. 0.01 min

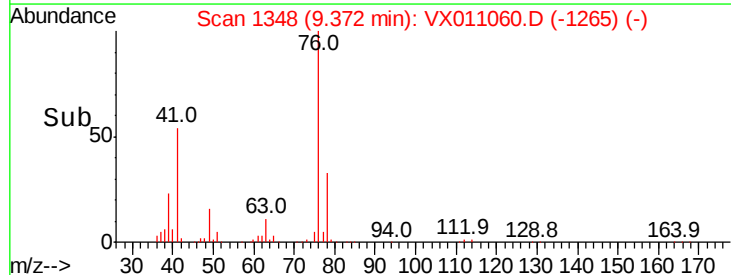
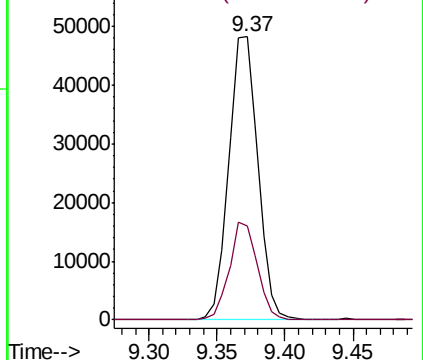
Lab File: VX011060.D

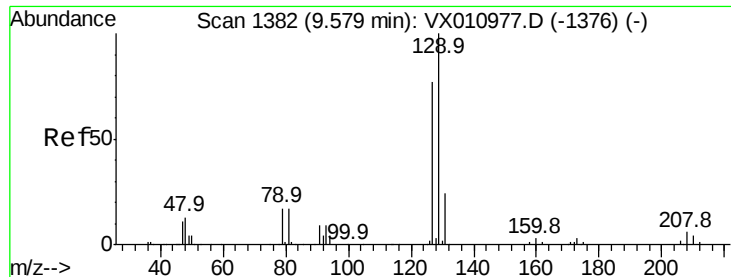
Acq: 24 Jul 2019 16:25

Tgt Ion:	76	Resp:	72085
Ion Ratio	Lower	Upper	
76	100		
78	33.1	0.0	63.8



Abundance Ion 76.00 (75.70 to 76.70): VX0
Ion 78.00 (77.70 to 78.70): VX0





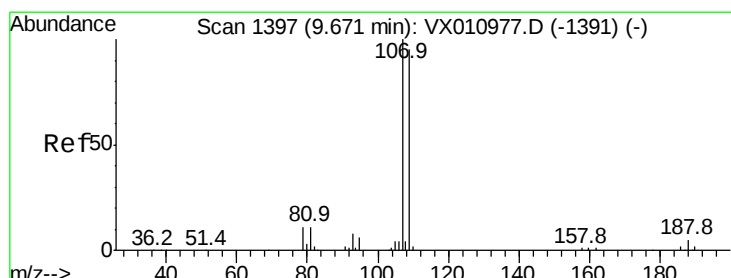
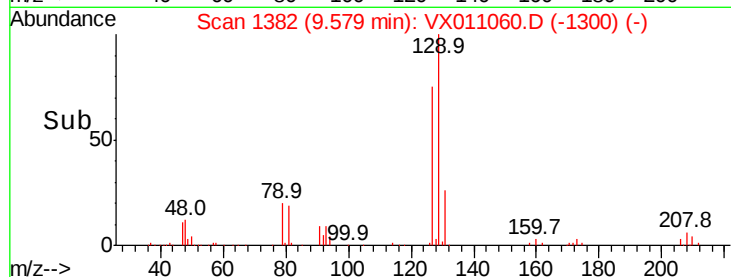
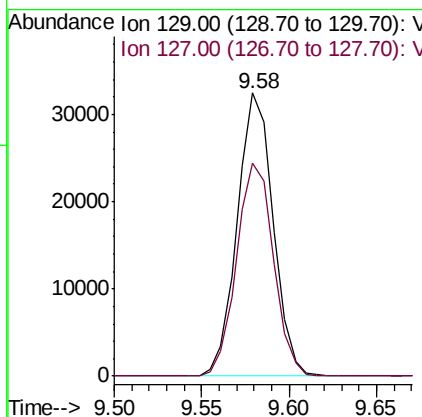
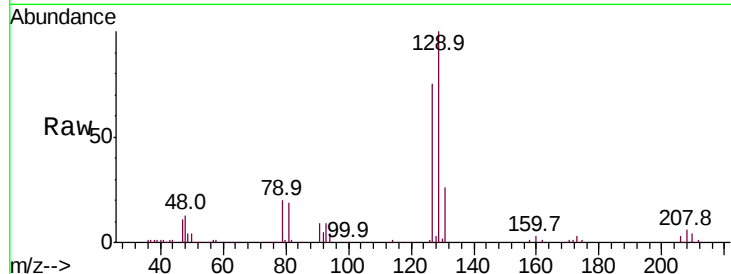
#53
Dibromochloromethane
Concen: 19.377 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX011060.D
Acq: 24 Jul 2019 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX0724WBSD01

Tot Ion:129 Resp: 46298
Ion Ratio Lower Upper
129 100
127 77.3 38.1 114.3

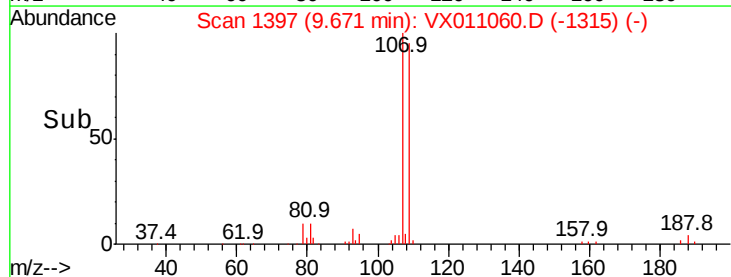
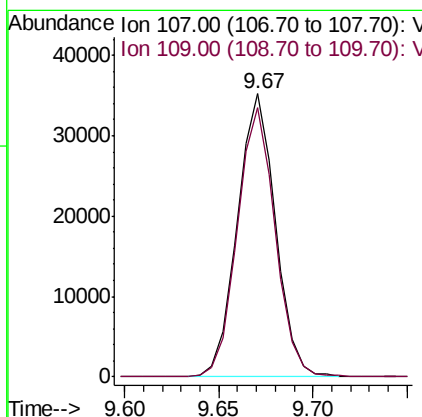
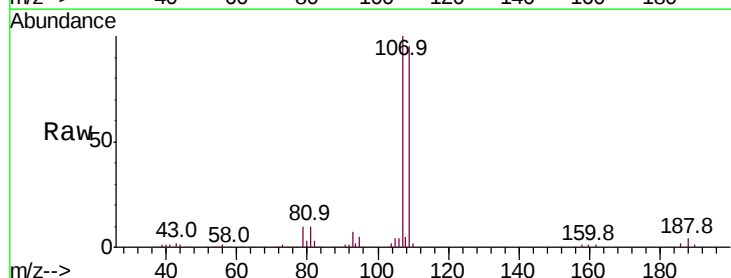
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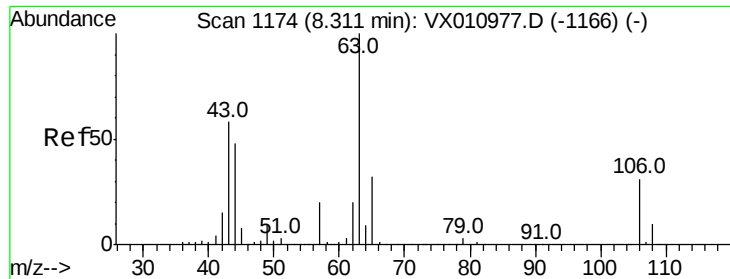
MMDadoda
7/25/2019 3:55:00 PM



#54
1,2-Dibromoethane
Concen: 20.504 ug/l
RT: 9.67 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VX011060.D
Acq: 24 Jul 2019 16:25

Tgt Ion:107 Resp: 49297
Ion Ratio Lower Upper
107 100
109 94.2 77.1 115.7





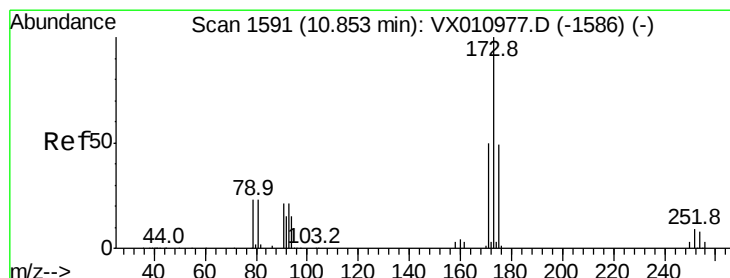
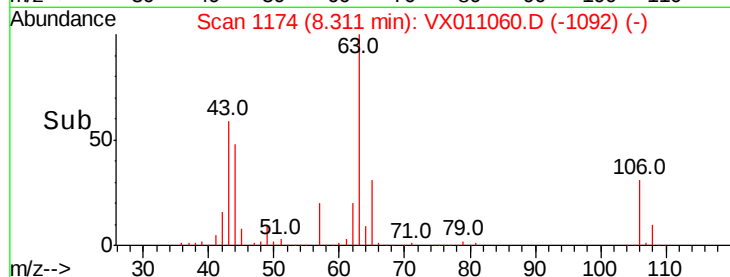
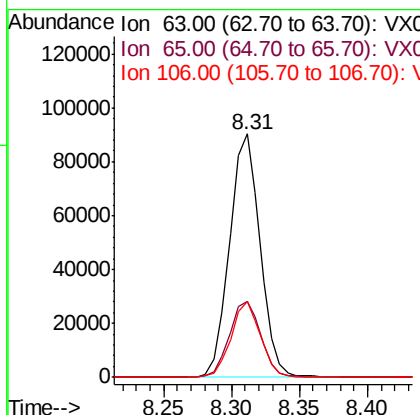
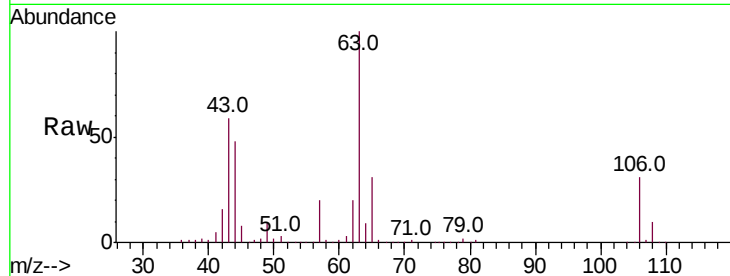
#55
2-Chloroethyl vinyl ether
Concen: 97.277 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VX011060.D
Acq: 24 Jul 2019 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX0724WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.0	25.7	38.5
106	30.0	24.8	37.2

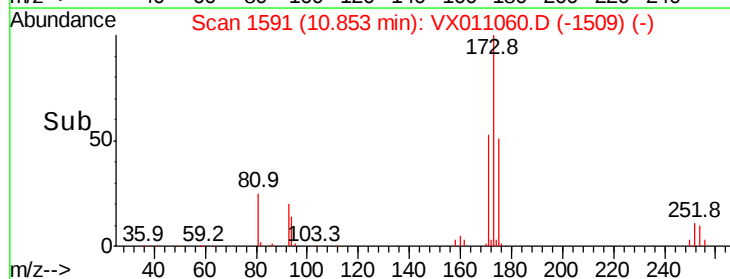
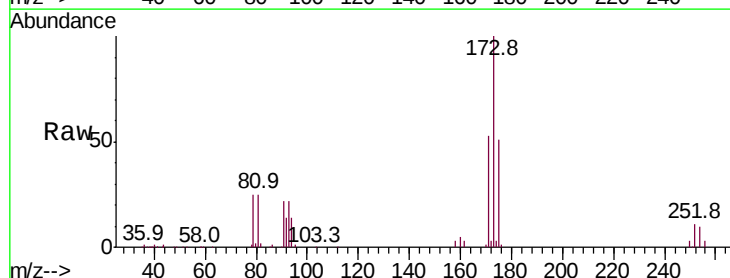
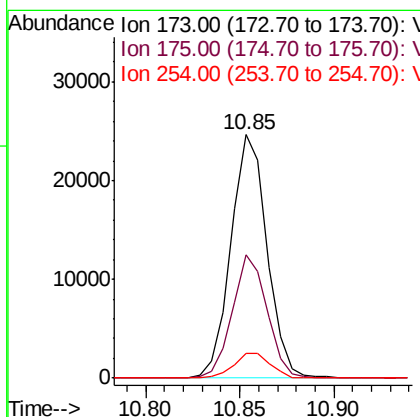
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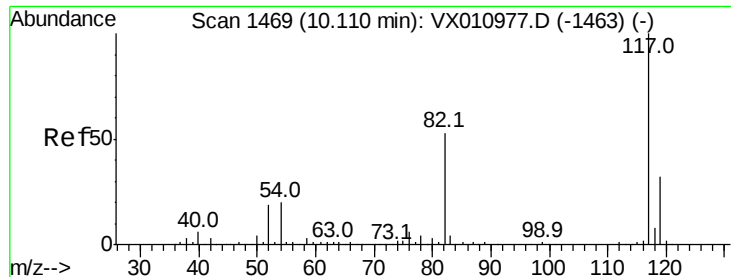
MMDadoda
7/25/2019 3:55:00 PM



#56
Bromoform
Concen: 18.443 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX011060.D
Acq: 24 Jul 2019 16:25

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.6	39.0	58.6
254	10.2	7.9	11.9





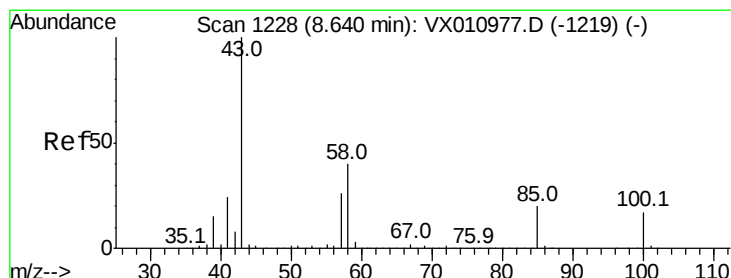
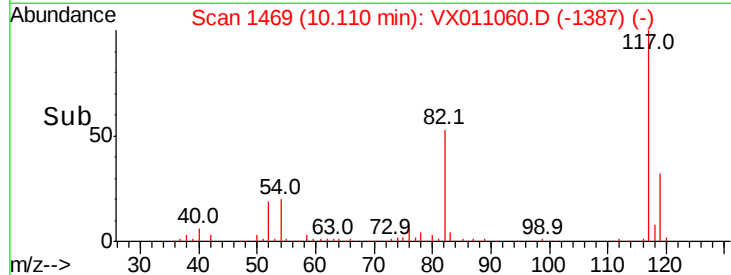
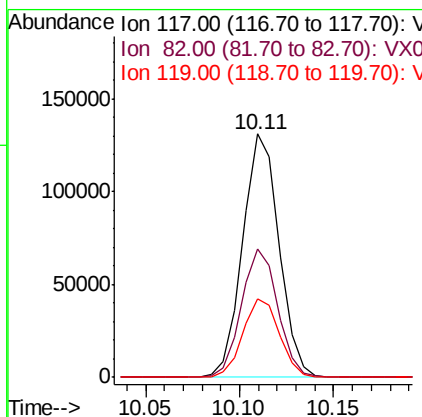
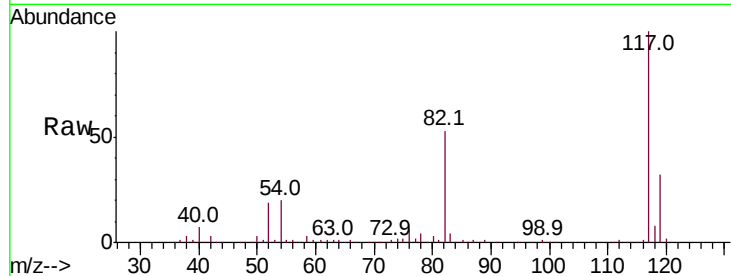
#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 10.11 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VX011060.D
 Acq: 24 Jul 2019 16:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0724WBSD01

Tot Ion:	117	Resp:	176084
Ion Ratio	Lower	Upper	
117	100		
82	52.6	41.6	62.4
119	32.6	26.0	39.0

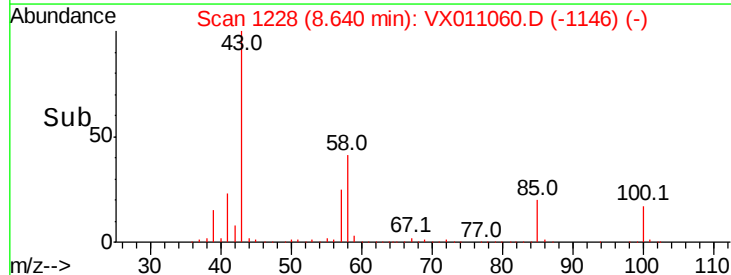
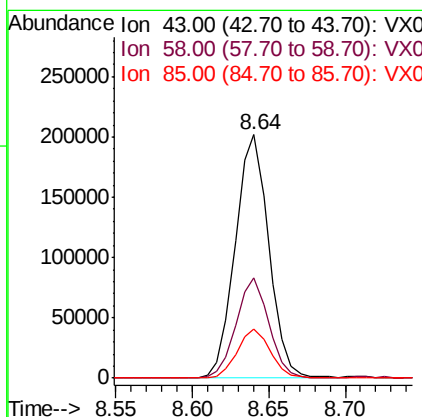
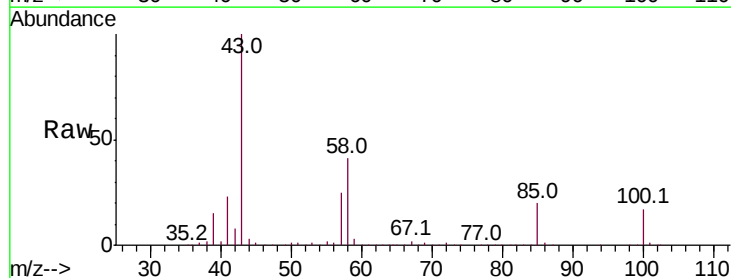
Manual Integrations
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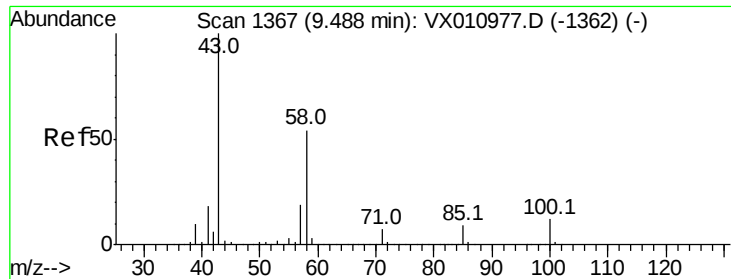
MMDadoda
 7/25/2019 3:55:00 PM



#58
 4-Methyl-2-Pentanone
 Concen: 103.174 ug/l
 RT: 8.64 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VX011060.D
 Acq: 24 Jul 2019 16:25

Tgt Ion:	43	Resp:	306812
Ion Ratio	Lower	Upper	
43	100		
58	40.3	32.6	48.8
85	19.8	15.8	23.6





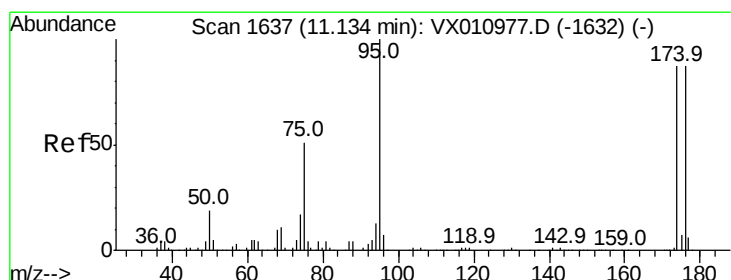
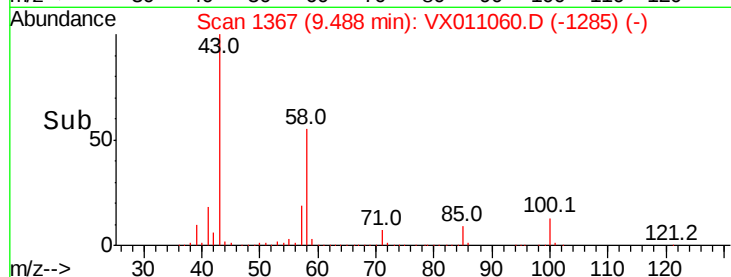
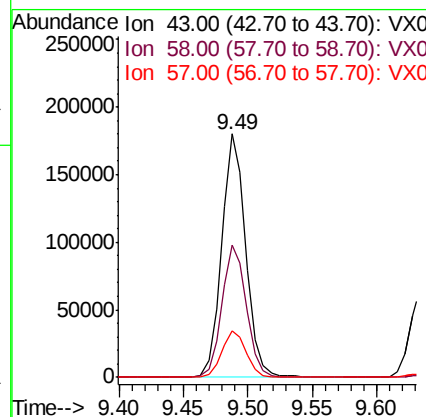
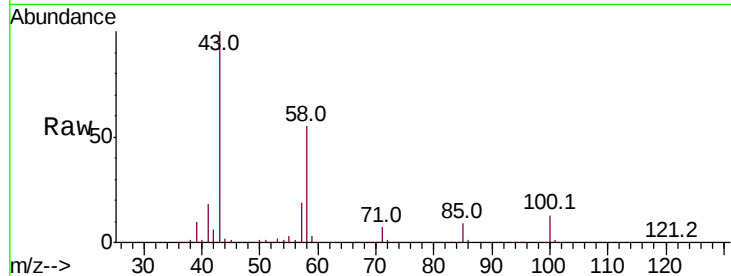
#59
2-Hexanone
Concen: 104.047 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX011060.D
Acq: 24 Jul 2019 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX0724WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.6	44.7	67.1
57	19.2	15.4	23.2

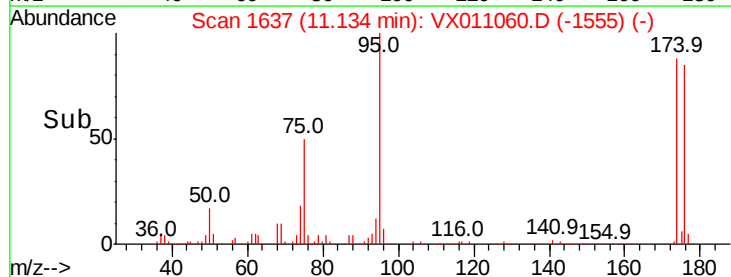
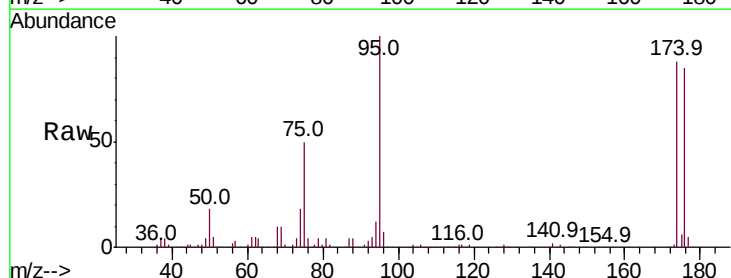
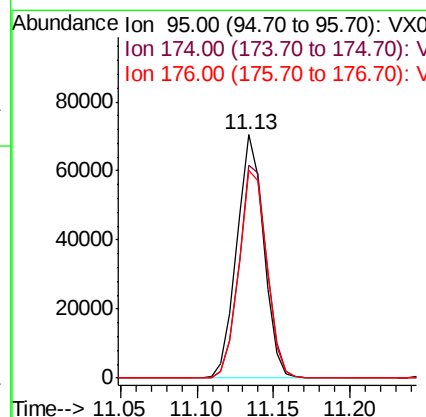
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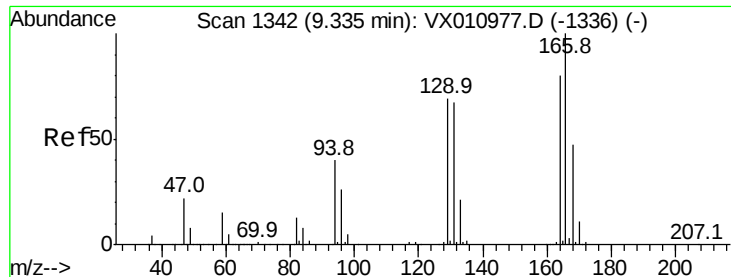
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 29.749 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX011060.D
Acq: 24 Jul 2019 16:25

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.9	73.3	109.9
176	88.3	71.2	106.8





#61

Tetrachloroethene

Concen: 21.284 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX011060.D

Acq: 24 Jul 2019 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX0724WBSD01

Tot Ion:164 Resp: 49483

Ion Ratio Lower Upper

164 100

166 126.7 100.1 150.1

129 92.8 69.6 104.4

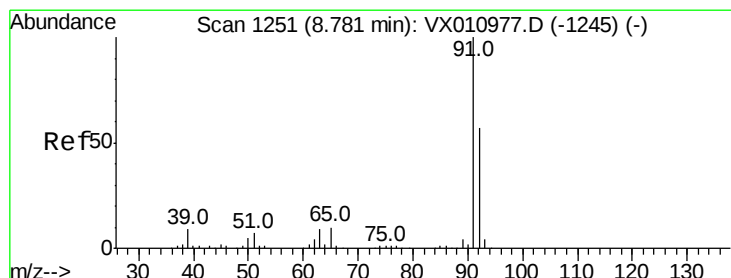
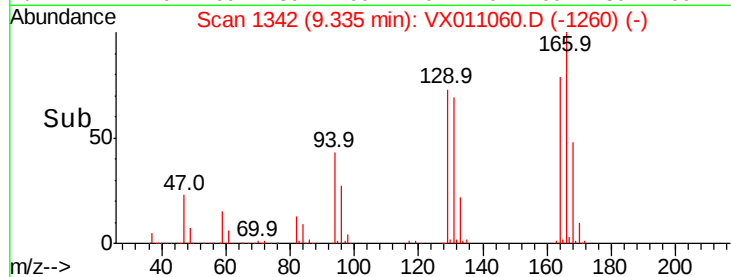
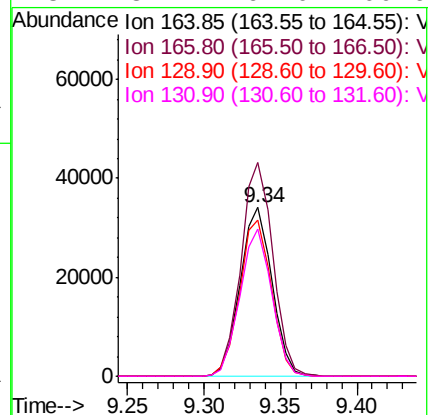
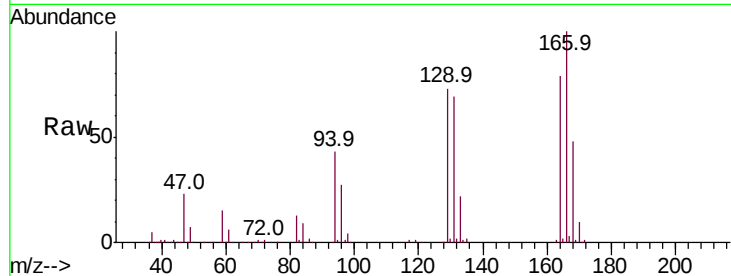
131 87.4 67.0 100.6

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#62

Toluene

Concen: 20.444 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX011060.D

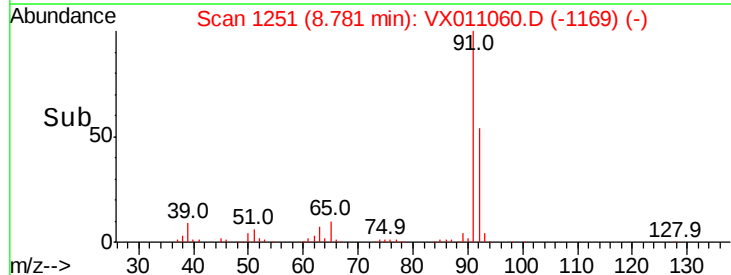
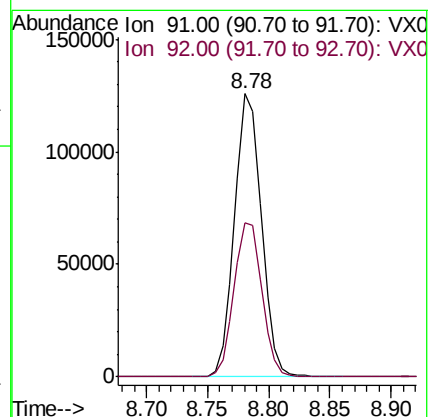
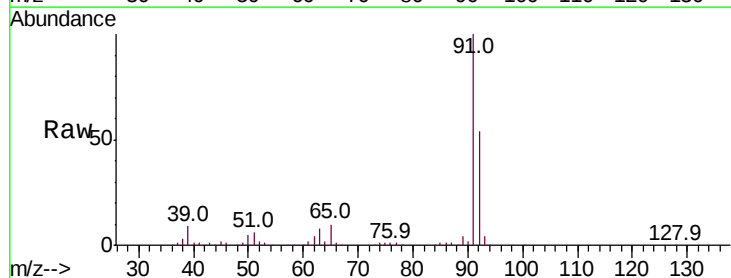
Acq: 24 Jul 2019 16:25

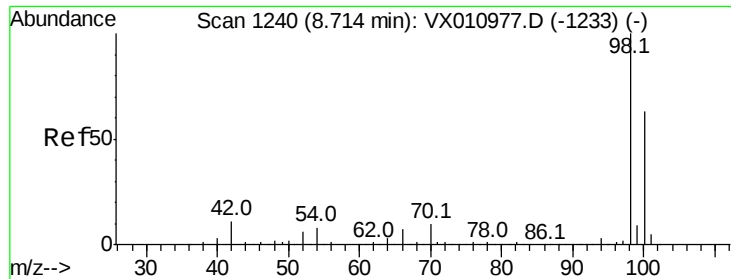
Tgt Ion: 91 Resp: 191240

Ion Ratio Lower Upper

91 100

92 56.6 45.4 68.2





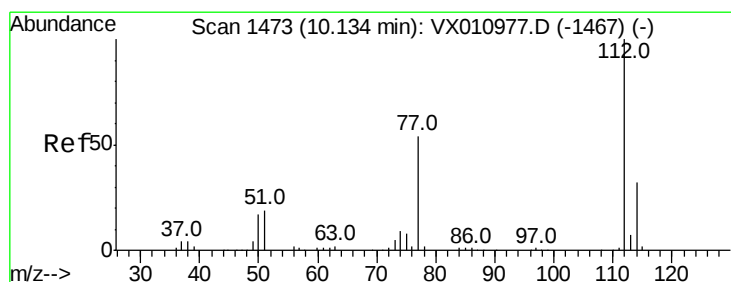
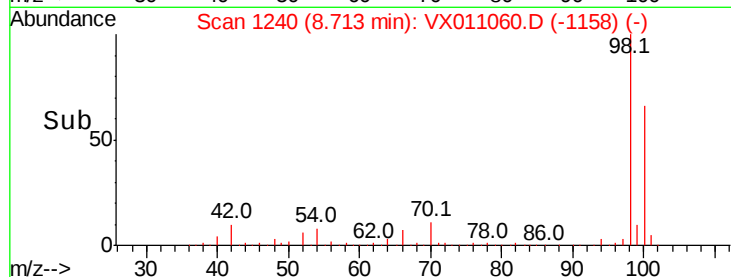
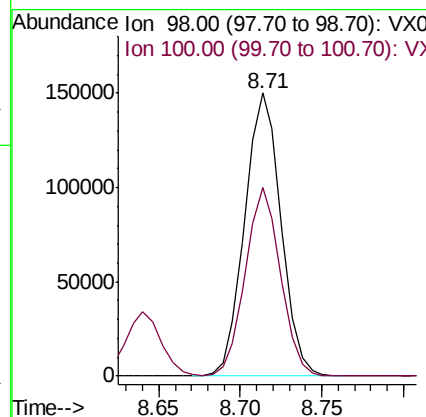
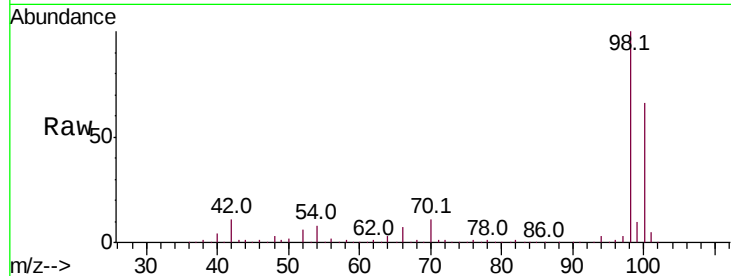
#63
Toluene-d8
Concen: 30.086 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011060.D
Acq: 24 Jul 2019 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX0724WBSD01

Tot Ion: 98 Resp: 232852
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.0

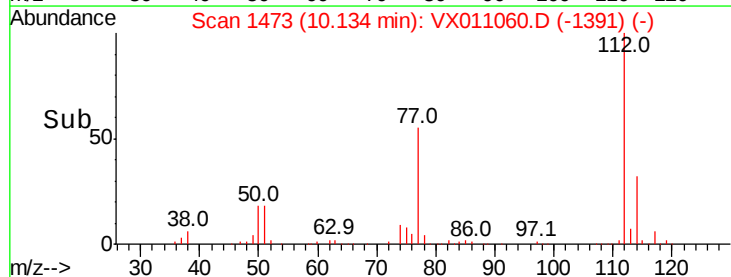
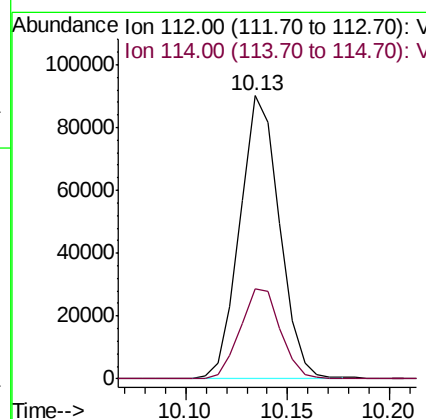
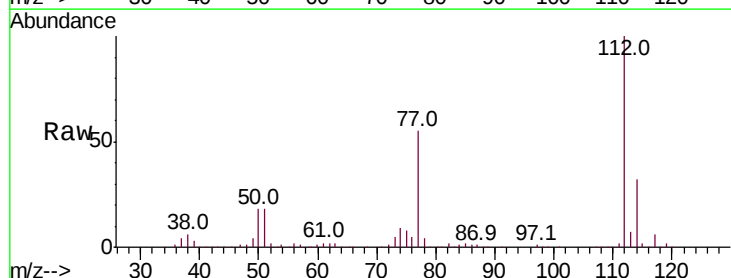
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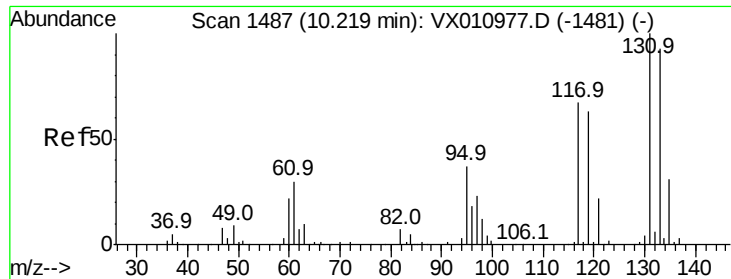
MMDadoda
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#64
Chlorobenzene
Concen: 20.284 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX011060.D
Acq: 24 Jul 2019 16:25

Tgt Ion: 112 Resp: 121563
Ion Ratio Lower Upper
112 100
114 31.9 25.3 37.9





#65

1,1,1,2-Tetrachloroethane

Concen: 20.346 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX011060.D

Acq: 24 Jul 2019 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX0724WBSD01

Tot Ion:131 Resp: 44317

Ion Ratio Lower Upper

131 100

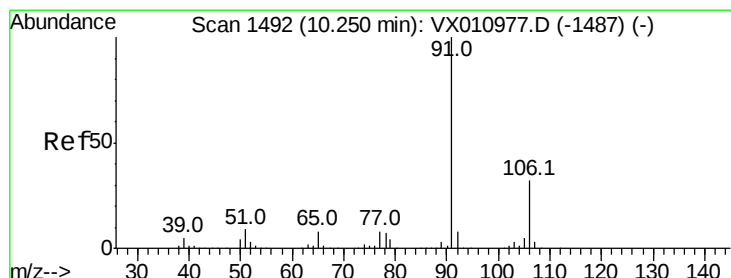
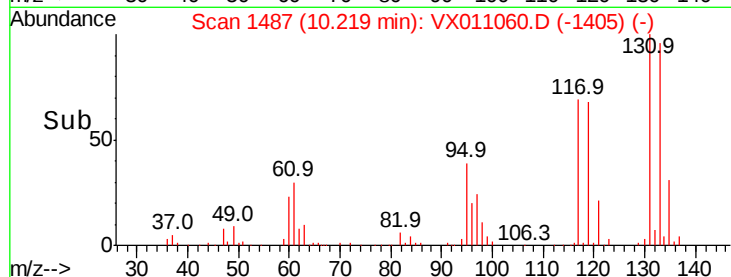
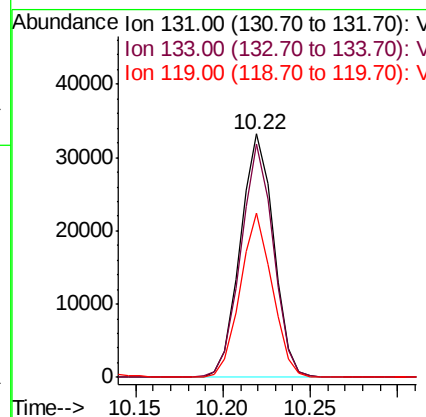
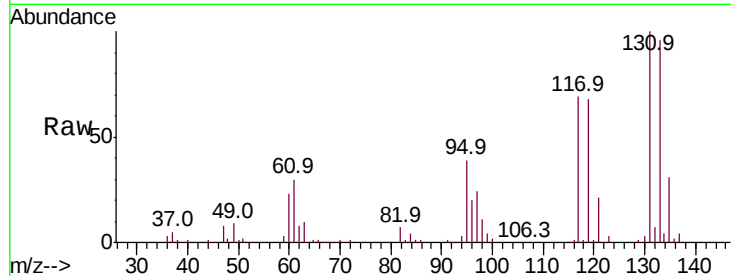
133 93.3 0.0 190.2

119 64.9 0.0 127.0

Manual Integrations
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#66

Ethyl Benzene

Concen: 20.368 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX011060.D

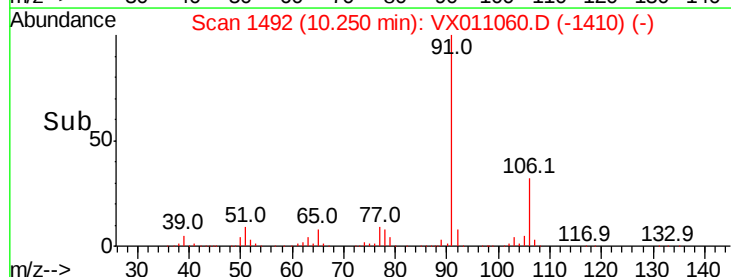
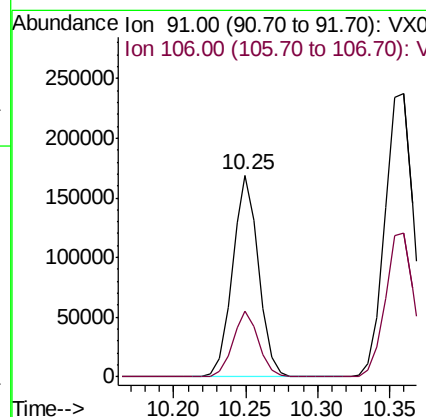
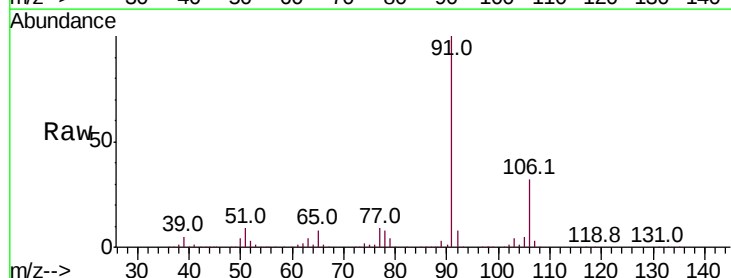
Acq: 24 Jul 2019 16:25

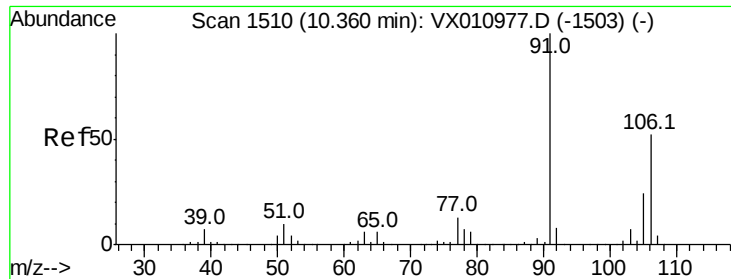
Tgt Ion: 91 Resp: 214485

Ion Ratio Lower Upper

91 100

106 32.3 25.8 38.8





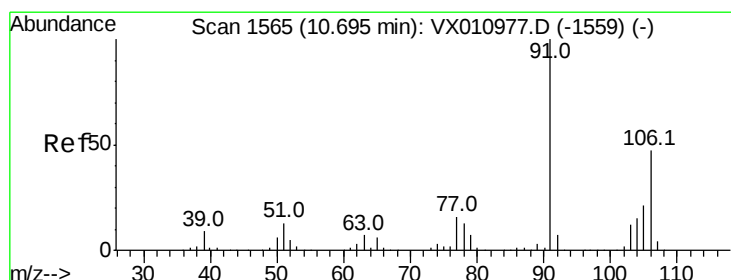
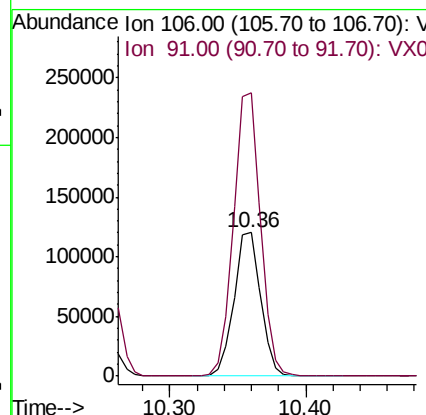
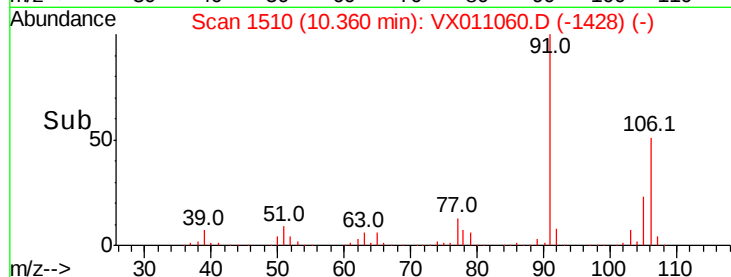
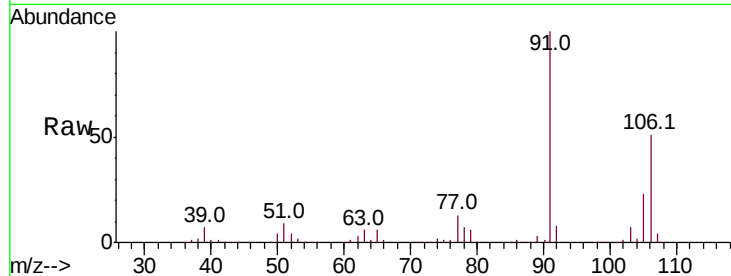
#67
m/p-Xylenes
Concen: 40.688 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX011060.D
Acq: 24 Jul 2019 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX0724WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	198.5	156.6	235.0

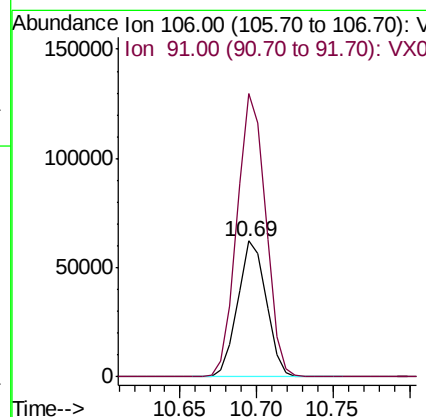
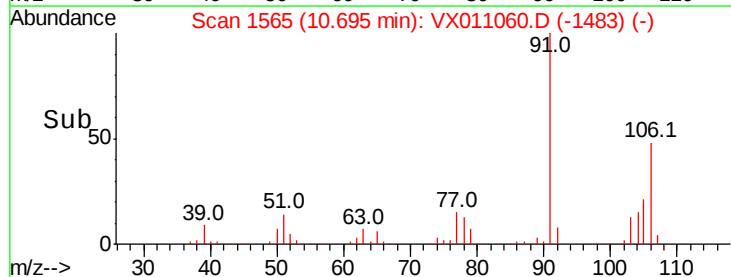
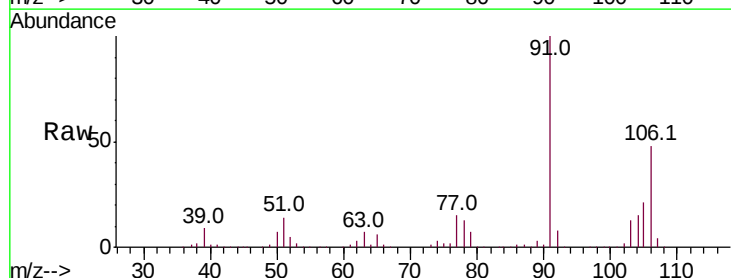
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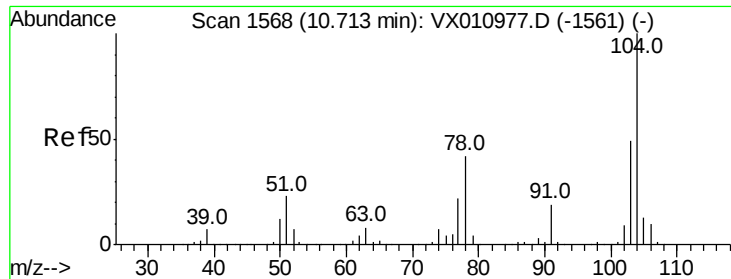
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#68
o-Xylene
Concen: 20.512 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011060.D
Acq: 24 Jul 2019 16:25

Tgt Ion	Ratio	Lower	Upper
106	100		
91	208.1	104.0	312.0





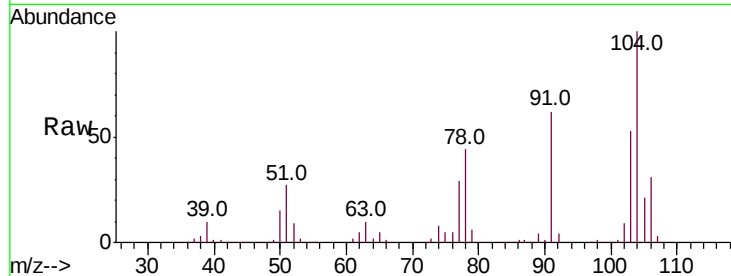
#69
Stvrene
Concen: 20.284 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX011060.D
Acq: 24 Jul 2019 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX0724WBSD01

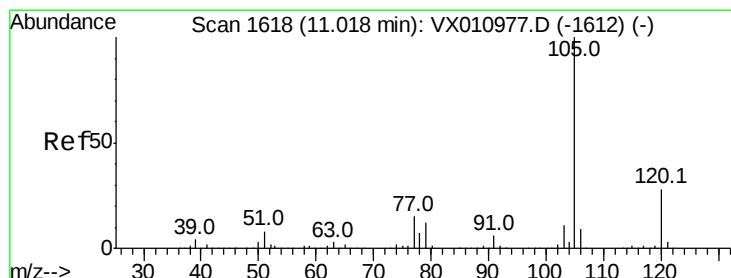
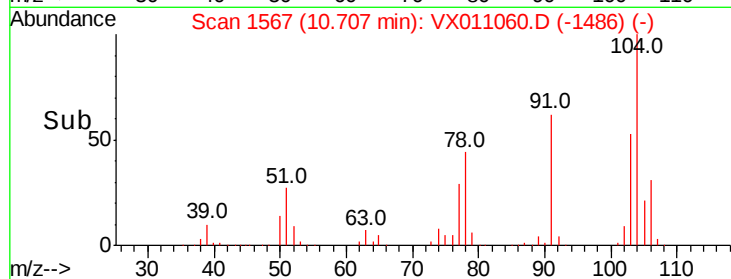
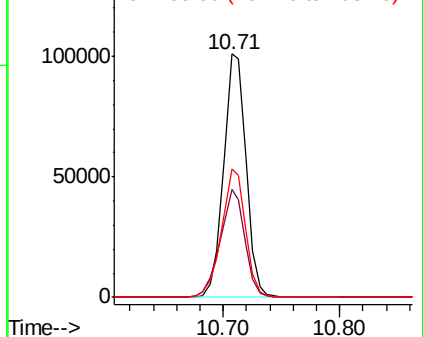
Tot Ion	Ratio	Lower	Upper
104	100		
78	48.2	38.5	57.7
103	55.8	44.6	67.0

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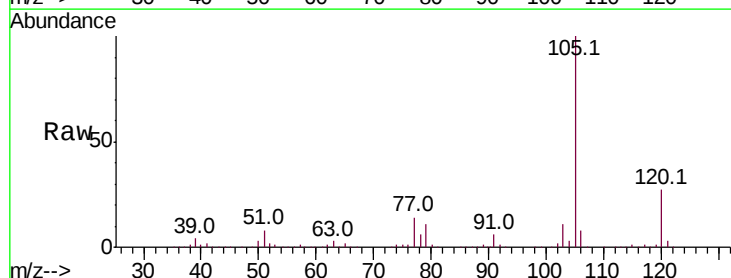


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

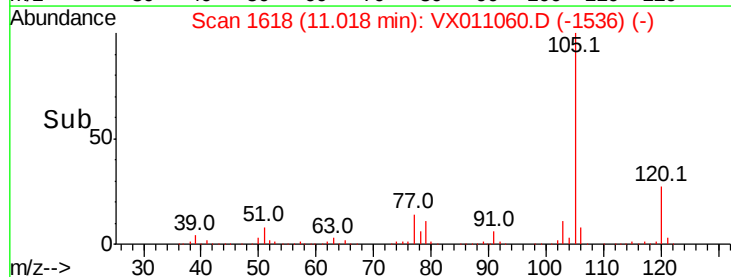
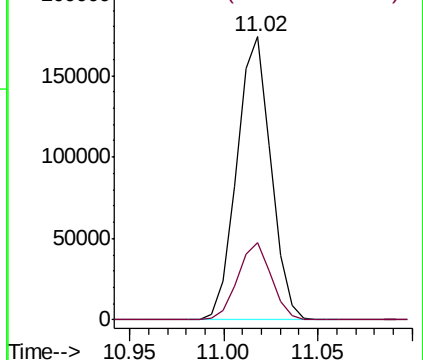


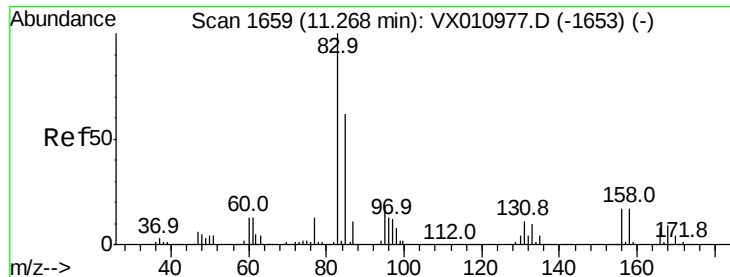
#70
Isopropylbenzene
Concen: 20.712 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX011060.D
Acq: 24 Jul 2019 16:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	19.4	36.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#71

1,1,2,2-Tetrachloroethane

Concen: 20.613 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX011060.D

Acq: 24 Jul 2019 16:25

Instrument :

MSVOA_X

ClientSampled :

VX0724WBSD01

Tot Ion: 83 Resp: 69872

Ion Ratio Lower Upper

83 100

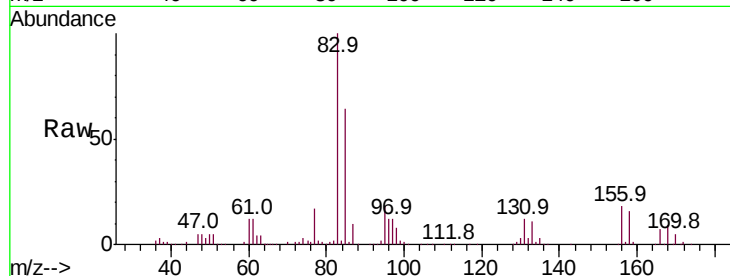
131 11.2 5.5 16.4

85 64.7 32.1 96.3

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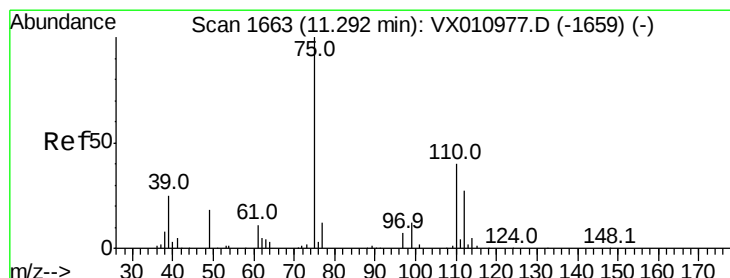
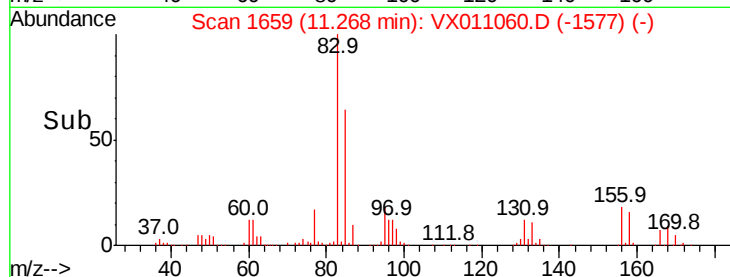
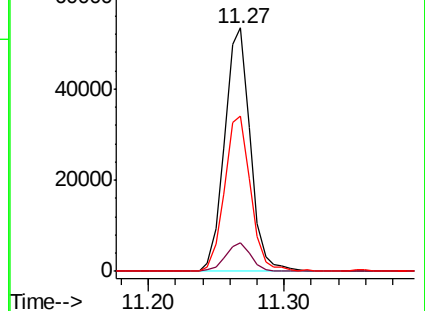
7/25/2019 3:55:00 PM



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VX0



#72

1,2,3-Trichloropropane

Concen: 20.891 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX011060.D

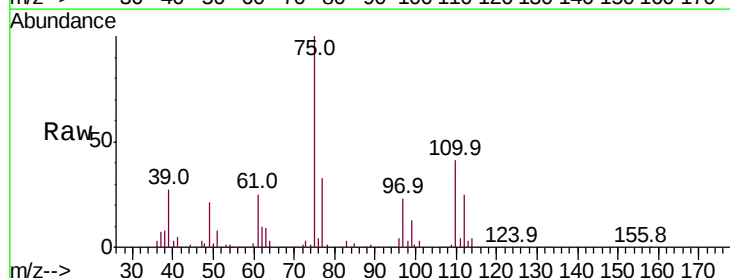
Acq: 24 Jul 2019 16:25

Tgt Ion: 75 Resp: 59106

Ion Ratio Lower Upper

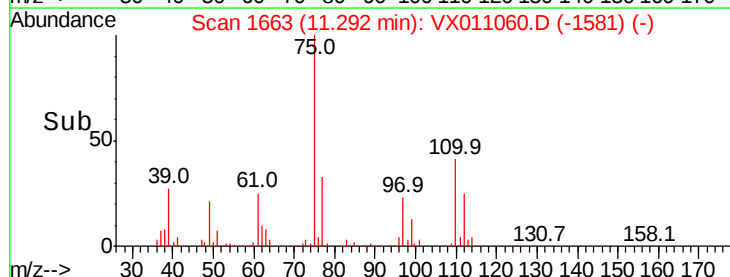
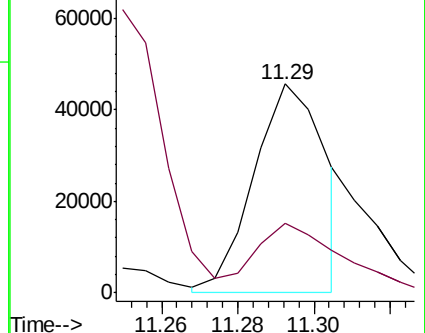
75 100

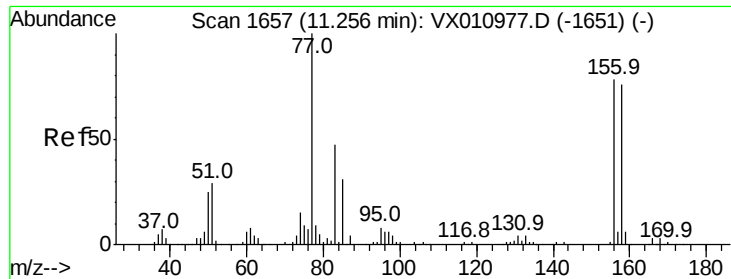
77 41.4 0.0 84.0



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#73

Bromobenzene

Concen: 20.661 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011060.D

Acq: 24 Jul 2019 16:25

Instrument :

MSVOA_X

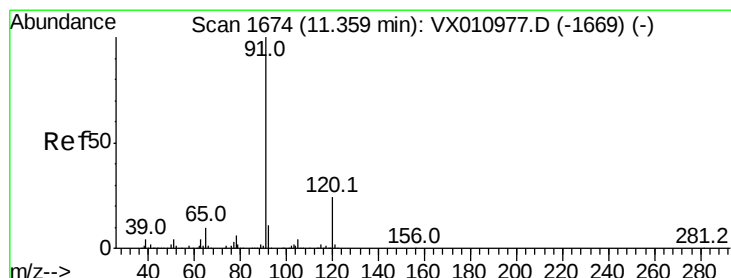
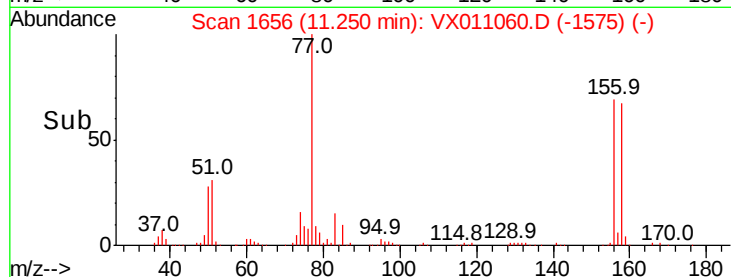
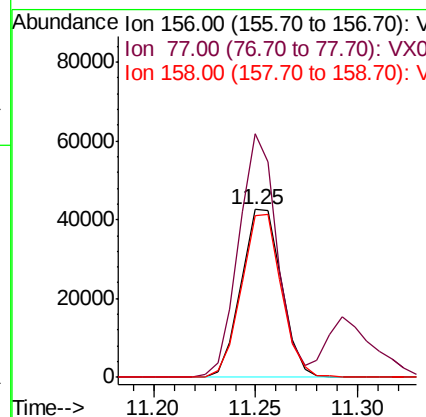
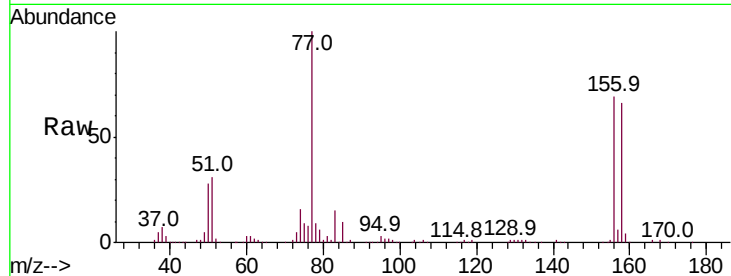
ClientSampleId :

VX0724WBSD01

Tot Ion:	156	Resp:	58601
Ion	Ratio	Lower	Upper
156	100		
77	136.9	0.0	275.8
158	95.8	0.0	195.2

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#74

n-propylbenzene

Concen: 20.563 ug/l

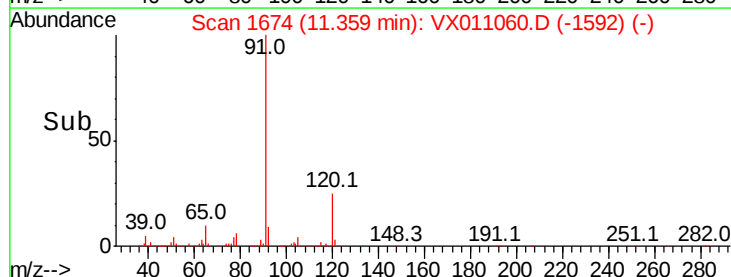
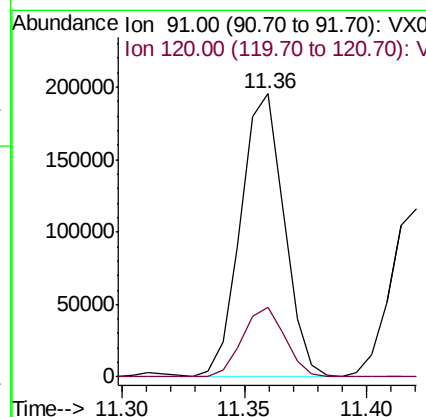
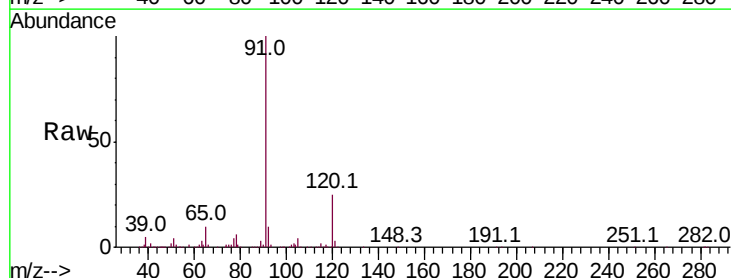
RT: 11.36 min Scan# 1674

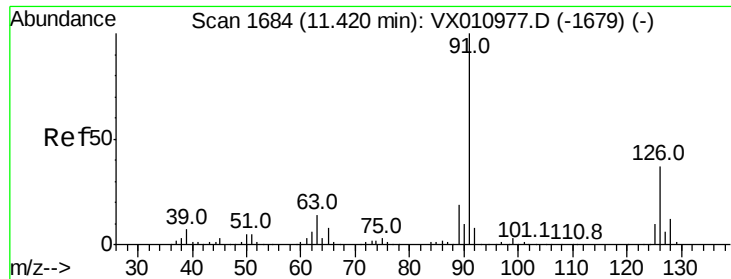
Delta R.T. -0.00 min

Lab File: VX011060.D

Acq: 24 Jul 2019 16:25

Tgt Ion:	91	Resp:	243287
Ion	Ratio	Lower	Upper
91	100		
120	24.1	0.0	47.6





#75

2-Chlorotoluene

Concen: 20.618 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX011060.D

Acq: 24 Jul 2019 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX0724WBSD01

Tot Ion: 91 Resp: 145287

Ion Ratio Lower Upper

91 100

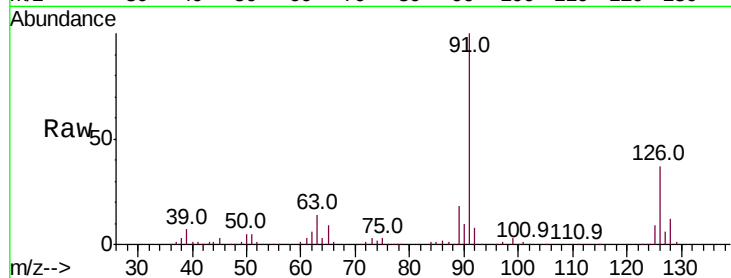
126 35.7 0.0 72.4

Manual Integrations

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7/25/2019 3:55:00 PM



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

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

200000

150000

100000

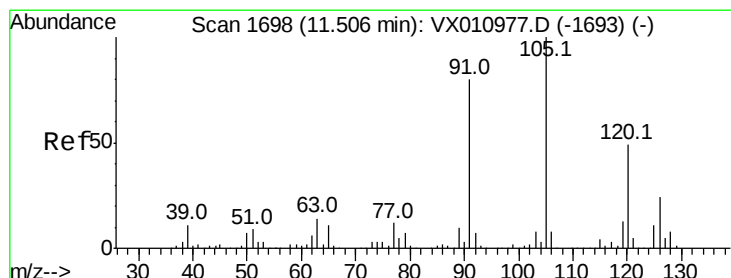
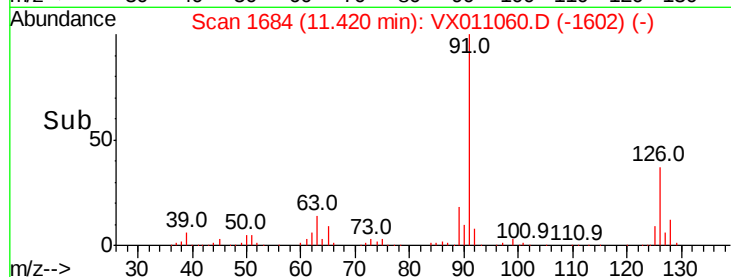
50000

0

11.42

11.45

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.337 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011060.D

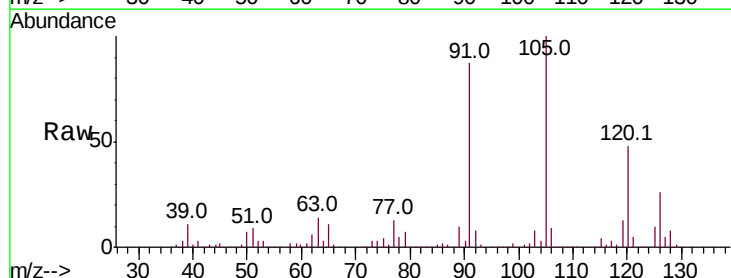
Acq: 24 Jul 2019 16:25

Tgt Ion: 105 Resp: 180964

Ion Ratio Lower Upper

105 100

120 49.7 0.0 96.6



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

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

150000

100000

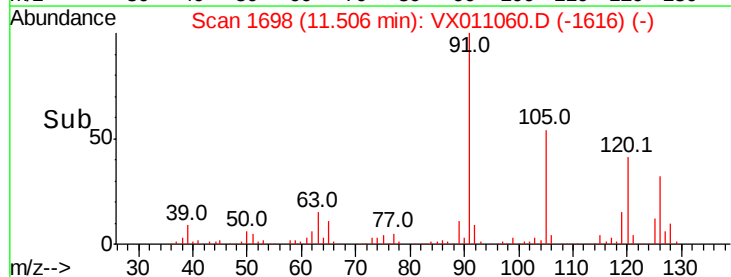
50000

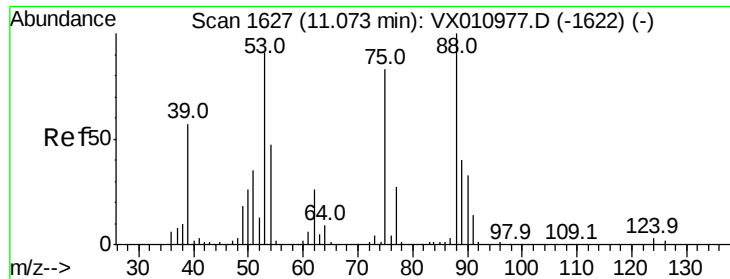
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11.51

11.55

Time-->





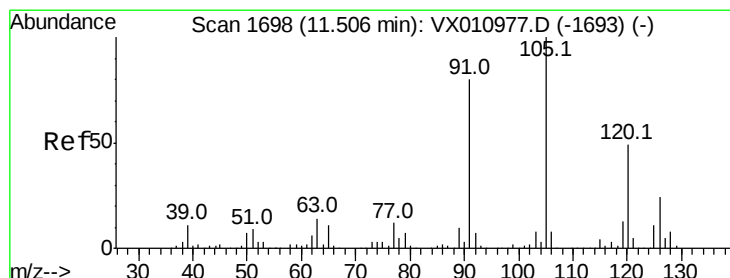
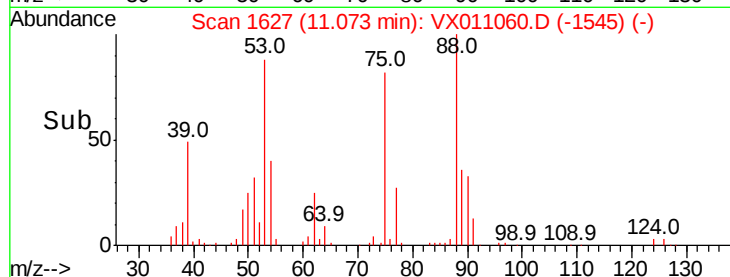
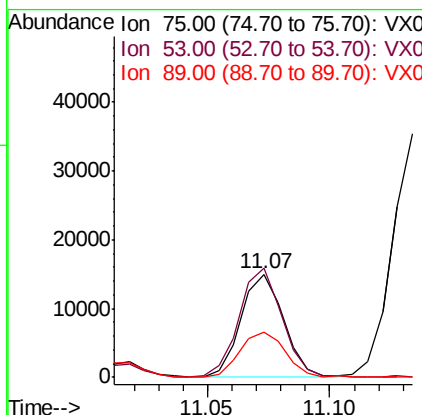
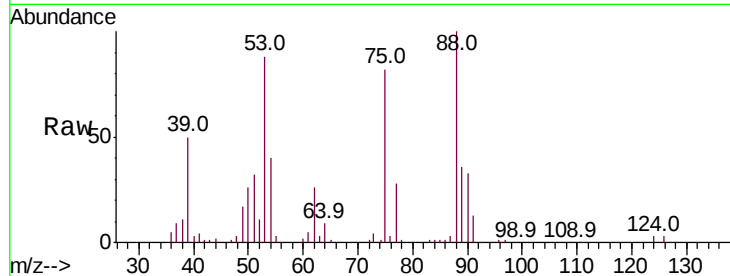
#77
t-1,4-Dichloro-2-butene
Concen: 19.730 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX011060.D
Acq: 24 Jul 2019 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX0724WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.7	54.8	164.3
89	43.5	24.6	73.6

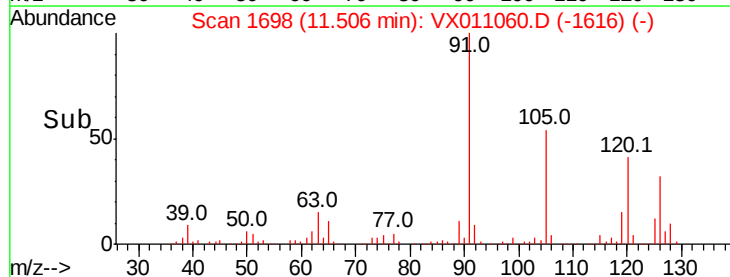
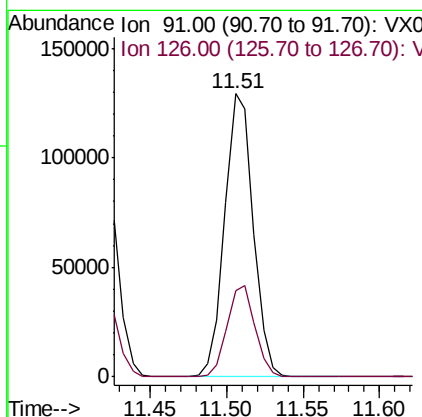
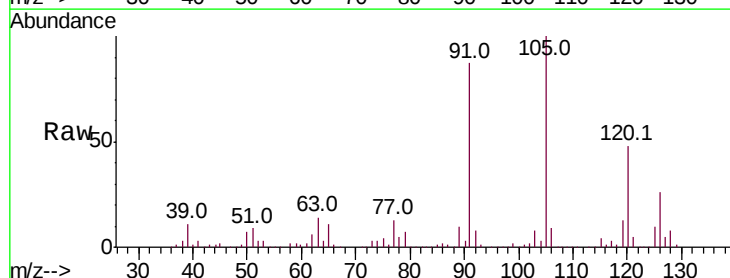
Manual Integrations
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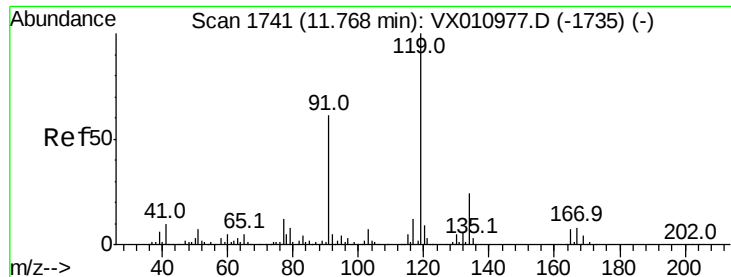
MMDadoda
7/25/2019 3:55:00 PM



#78
4-Chlorotoluene
Concen: 20.592 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX011060.D
Acq: 24 Jul 2019 16:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	0.0	63.6





#79

tert-butylbenzene

Concen: 20.495 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX011060.D

Acq: 24 Jul 2019 16:25

Instrument :

MSVOA_X

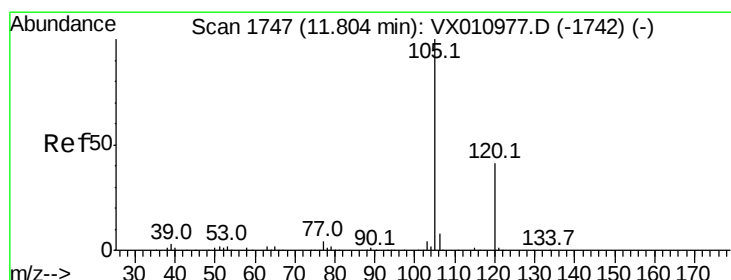
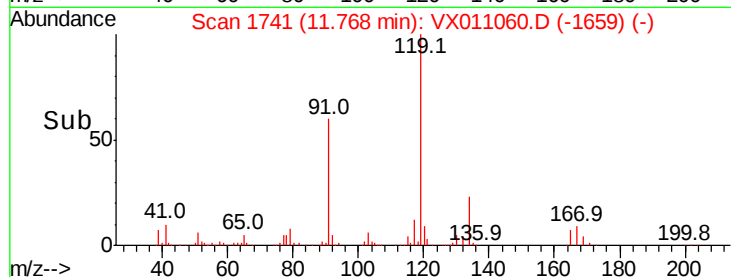
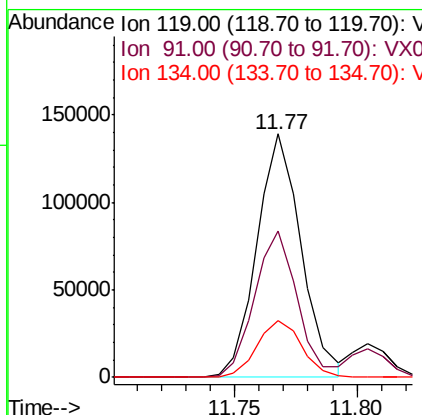
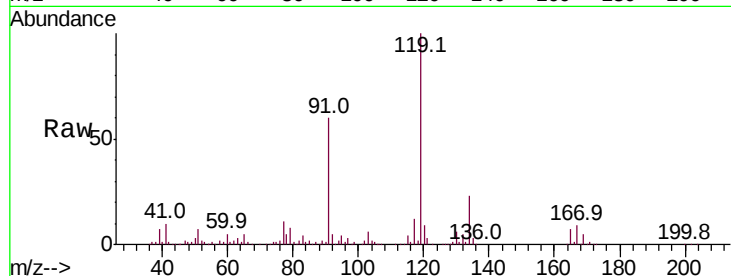
ClientSampleId :

VX0724WBSD01

Tot Ion:	119	Resp:	176886
Ion Ratio	Lower	Upper	
119	100		
91	58.3	0.0	118.4
134	23.7	0.0	47.4

Manual Integrations
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7/25/2019 3:55:00 PM



#80

1,2,4-Trimethylbenzene

Concen: 20.594 ug/l

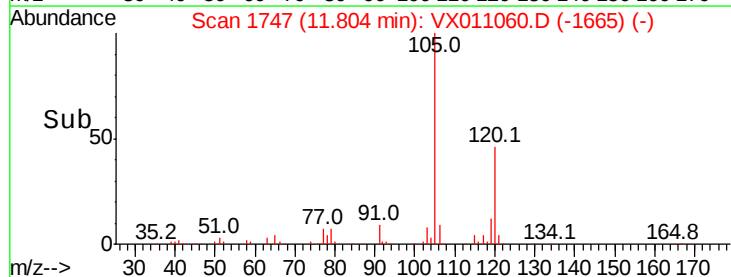
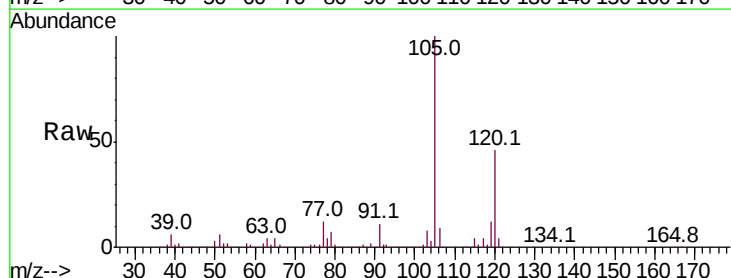
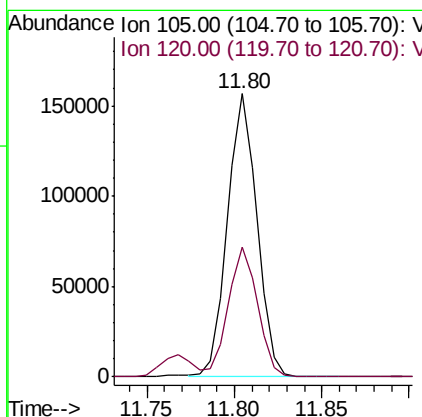
RT: 11.80 min Scan# 1747

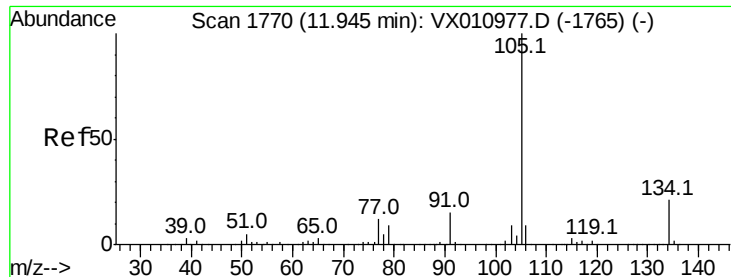
Delta R.T. -0.00 min

Lab File: VX011060.D

Acq: 24 Jul 2019 16:25

Tgt Ion:	105	Resp:	184533
Ion Ratio	Lower	Upper	
105	100		
120	45.6	0.0	91.6





#81

sec-Butylbenzene

Concen: 20.759 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011060.D

Acq: 24 Jul 2019 16:25

Instrument :

MSVOA_X

ClientSampleId :

VX0724WBSD01

Tot Ion:105 Resp: 211198

Ion Ratio Lower Upper

105 100

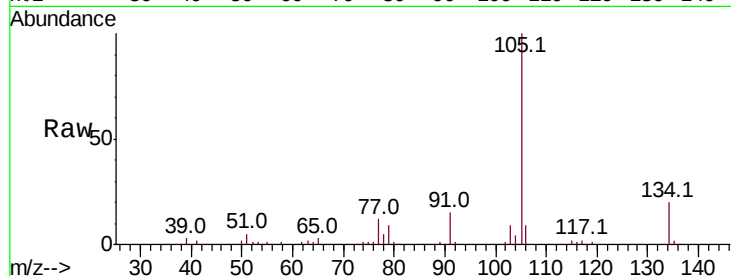
134 20.7 0.0 41.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

200000

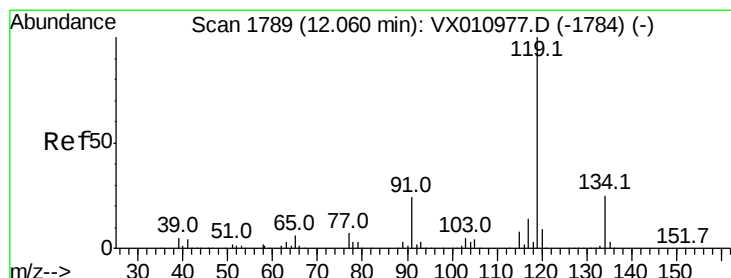
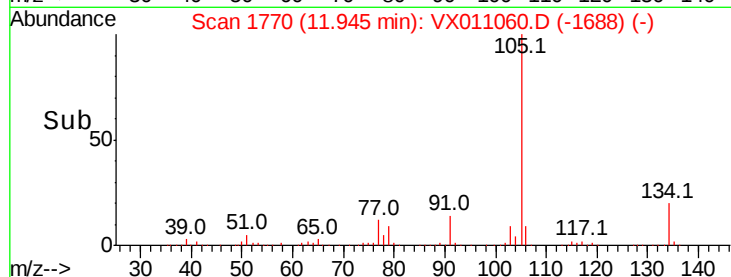
150000

100000

50000

0

Time-->



#82

p-Isopropyltoluene

Concen: 20.489 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX011060.D

Acq: 24 Jul 2019 16:25

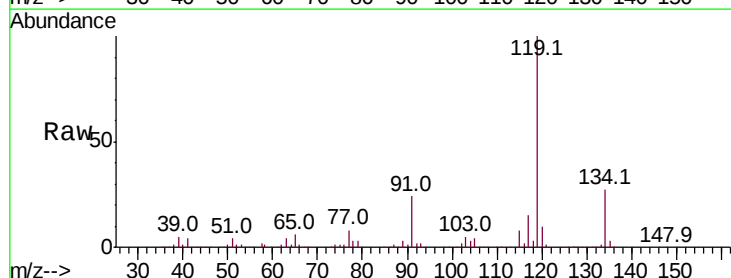
Tgt Ion:119 Resp: 193429

Ion Ratio Lower Upper

119 100

134 27.2 0.0 52.8

91 23.7 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

12.06

200000

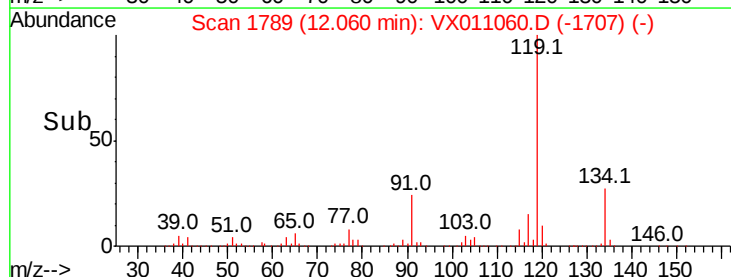
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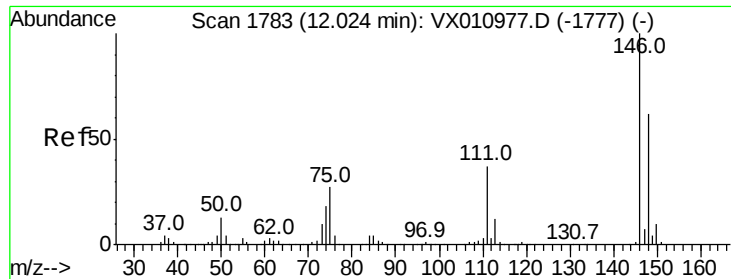
100000

50000

0

Time-->





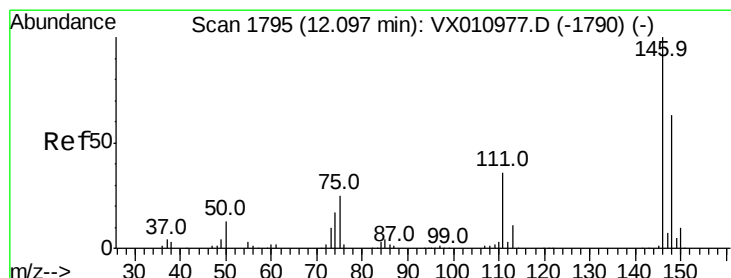
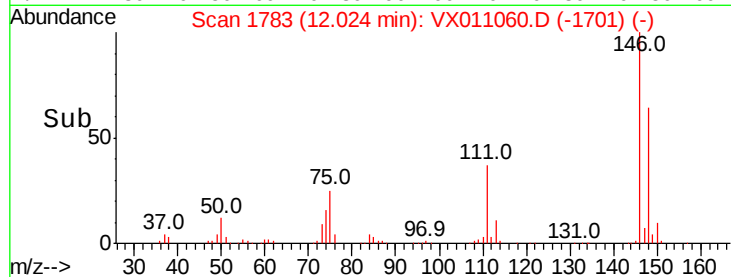
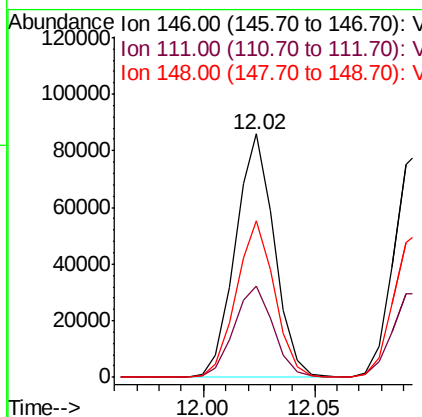
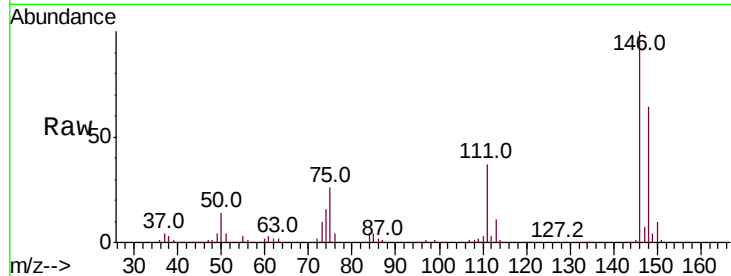
#83
 1,3-Dichlorobenzene
 Concen: 20.746 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX011060.D
 Acq: 24 Jul 2019 16:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0724WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.9	56.9
148	63.6	31.4	94.0

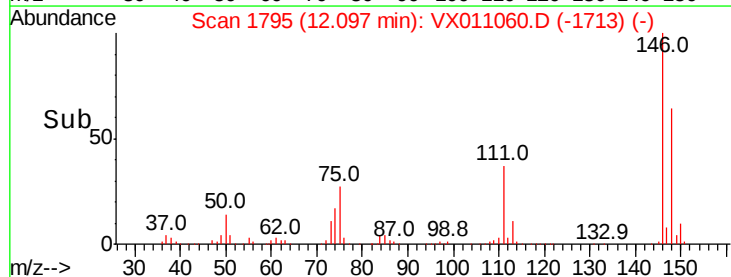
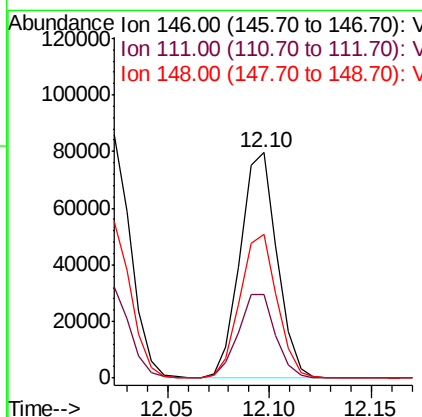
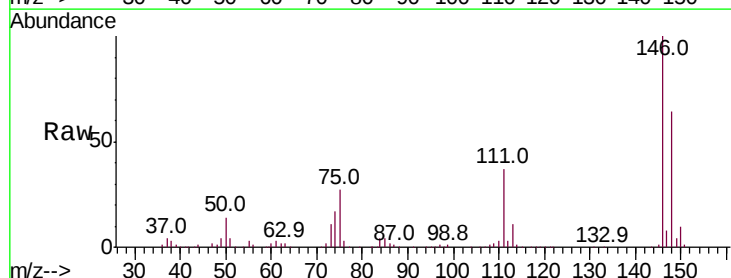
Manual Integrations
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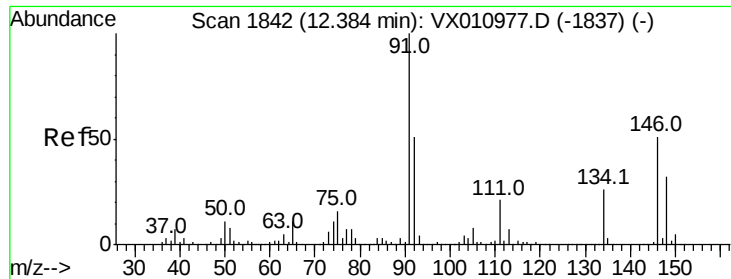
MMDadoda
 7/25/2019 3:55:00 PM



#84
 1,4-Dichlorobenzene
 Concen: 20.140 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX011060.D
 Acq: 24 Jul 2019 16:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.5	55.5
148	64.4	32.0	96.0





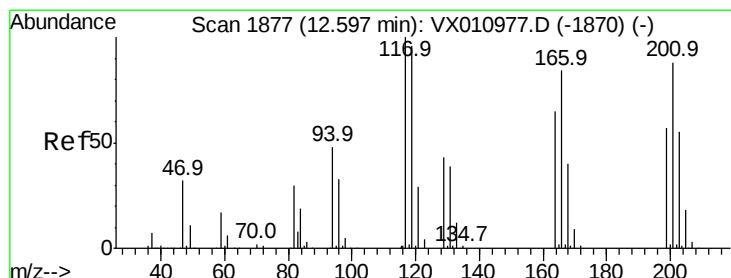
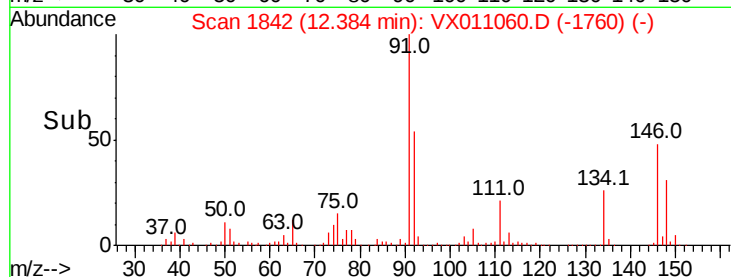
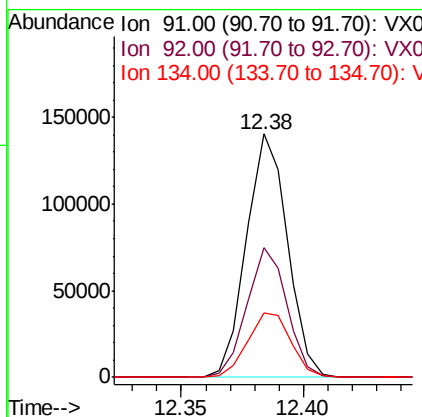
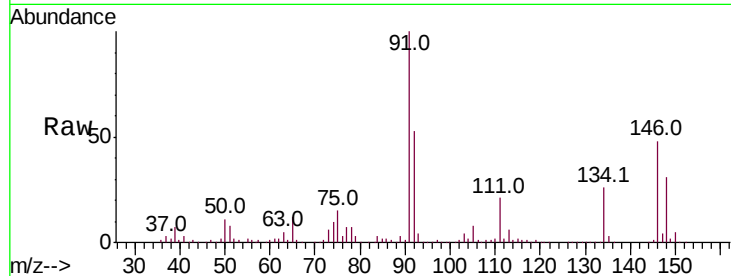
#85
n-Butylbenzene
Concen: 20.533 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX011060.D
Acq: 24 Jul 2019 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX0724WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	165065		
92	52.1	0.0	103.6	
134	27.6	0.0	54.2	

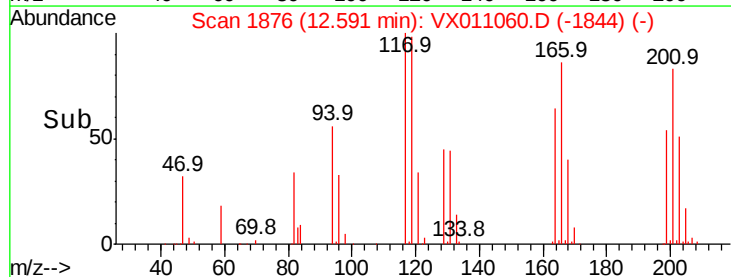
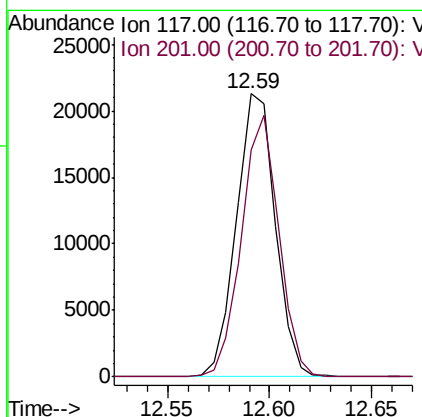
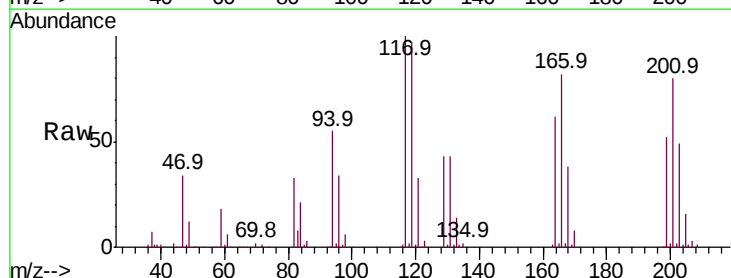
Manual Integrations
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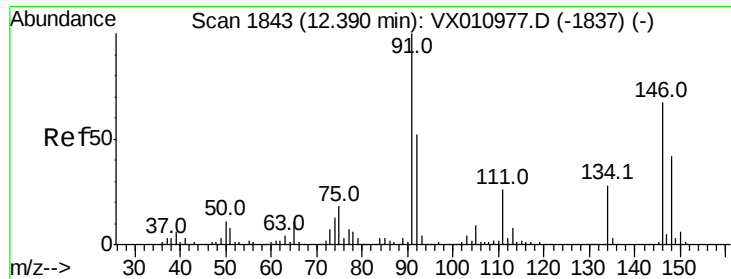
MMDadoda
7/25/2019 3:55:00 PM



#86
Hexachloroethane
Concen: 18.934 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX011060.D
Acq: 24 Jul 2019 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	28191		
201	88.8	42.1	126.3	





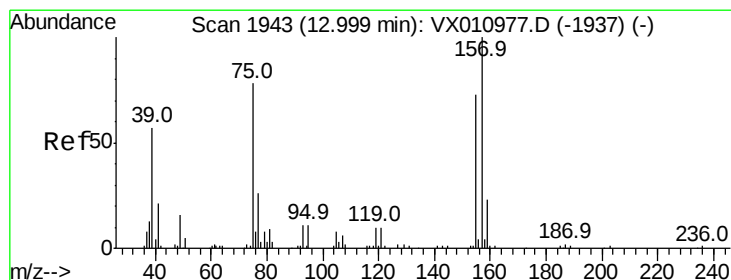
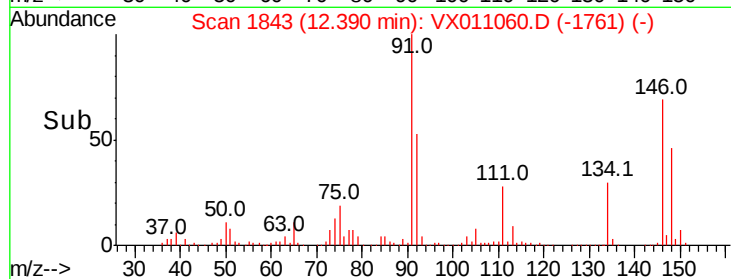
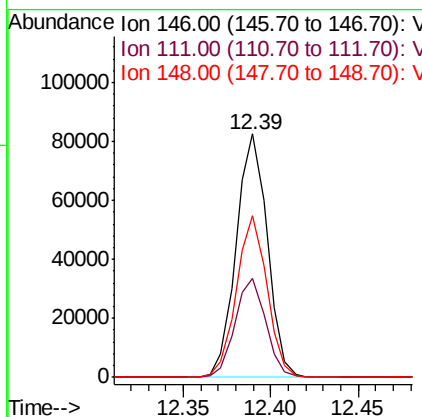
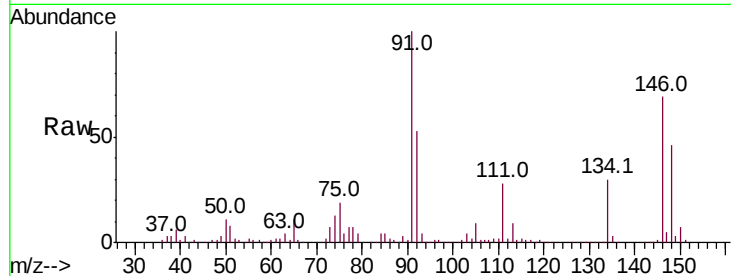
#87
 1,2-Dichlorobenzene
 Concen: 20.825 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX011060.D
 Acq: 24 Jul 2019 16:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0724WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.5	58.5
148	65.2	31.5	94.5

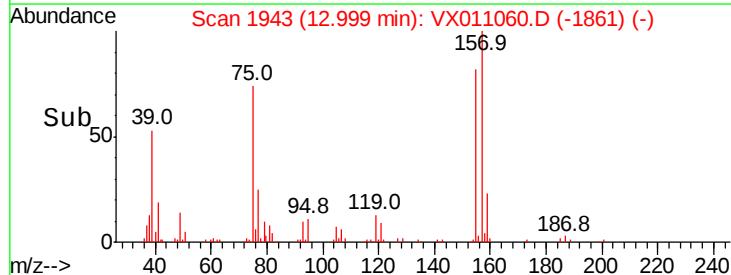
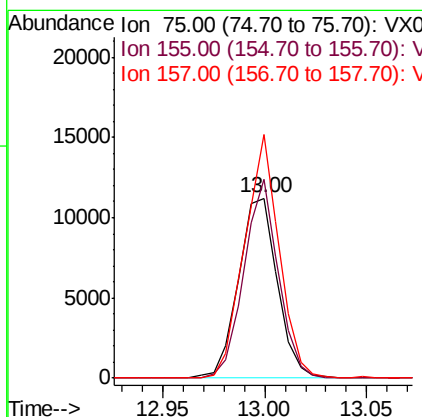
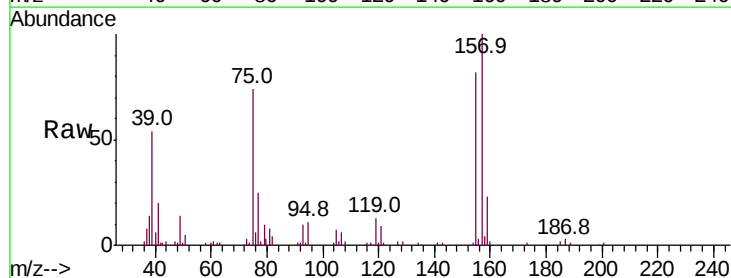
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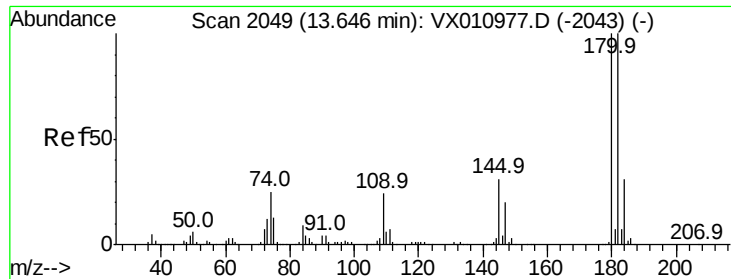
MMDadoda
 7/25/2019 3:55:00 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.817 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX011060.D
 Acq: 24 Jul 2019 16:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.7	76.6	115.0
157	121.3	101.0	151.4





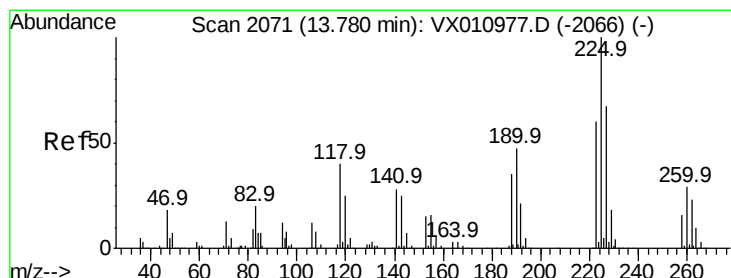
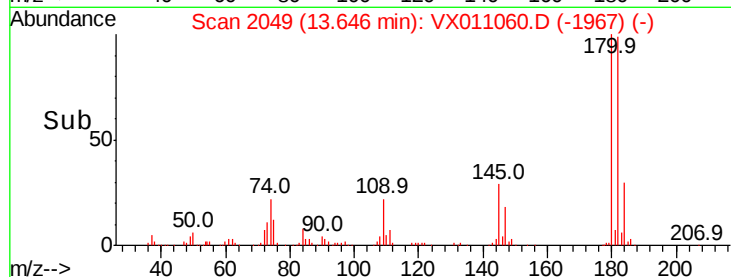
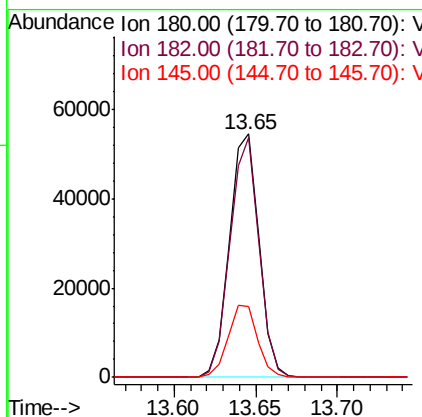
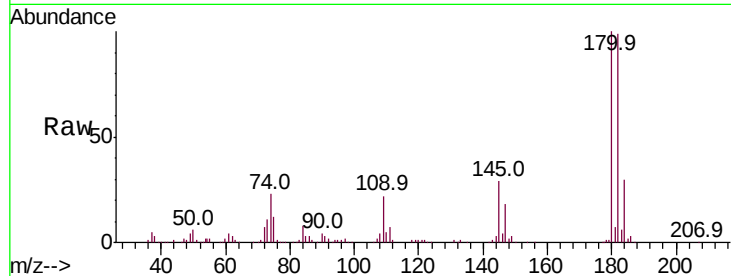
#89
 1,2,4-Trichlorobenzene
 Concen: 20.309 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX011060.D
 Acq: 24 Jul 2019 16:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0724WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	68672		
182	95.8		77.6	116.4
145	29.7		23.8	35.6

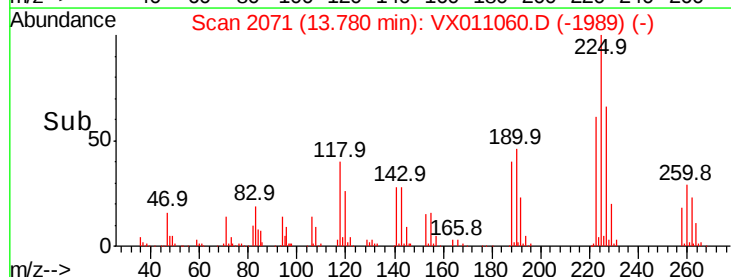
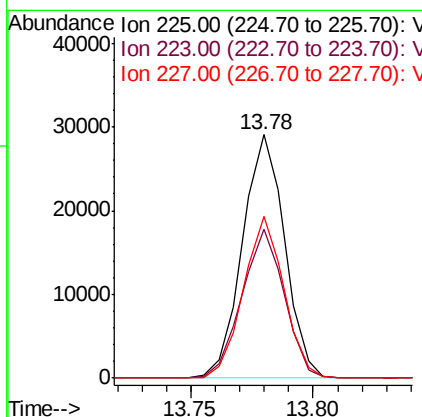
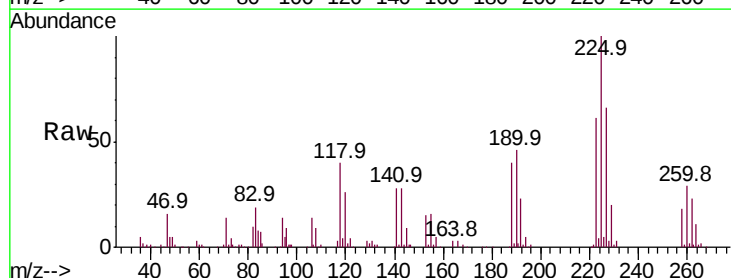
Manual Integrations
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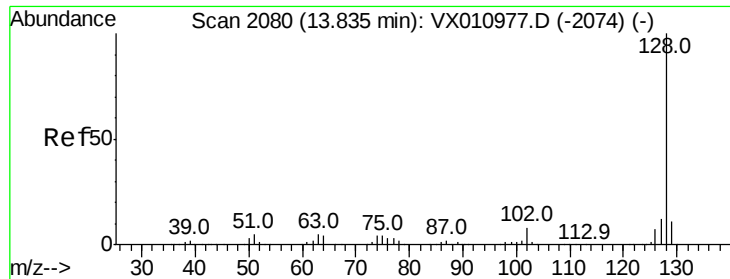
MMDadoda
 7/25/2019 3:55:00 PM



#90
 Hexachlorobutadiene
 Concen: 21.306 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX011060.D
 Acq: 24 Jul 2019 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	34833		
223	61.2		0.0	121.4
227	63.8		0.0	126.6





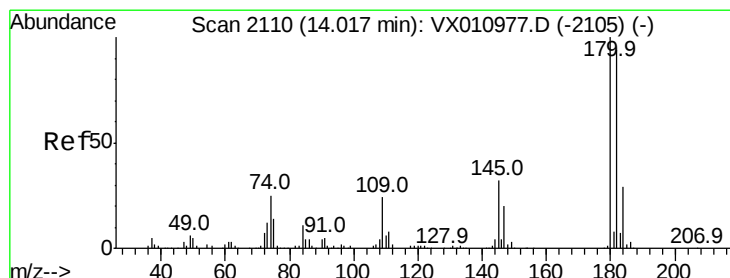
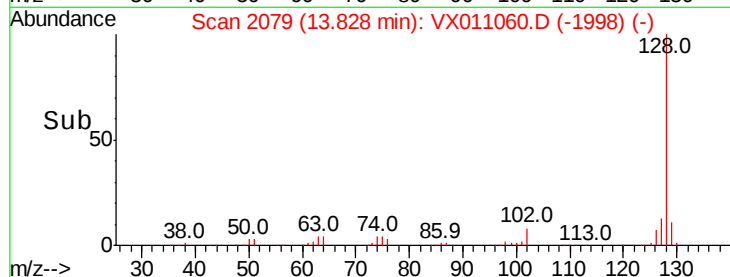
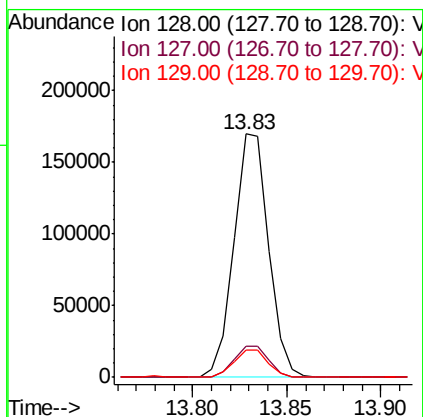
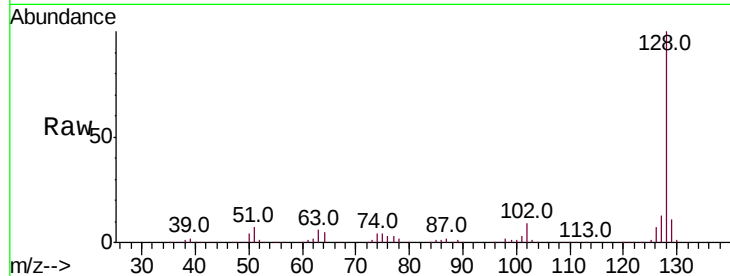
#91
Naphthalene
Concen: 21.060 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX011060.D
Acq: 24 Jul 2019 16:25

Instrument :
MSVOA_X
ClientSampleId :
VX0724WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	11.1	8.5	12.7

Manual Integrations
APPROVED

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7/25/2019 3:55:00 PM



#92
1,2,3-Trichlorobenzene
Concen: 21.315 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX011060.D
Acq: 24 Jul 2019 16:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	0.0	190.2
145	31.1	0.0	63.8

