

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX073019\
 Data File : VX011199.D
 Acq On : 30 Jul 2019 16:53
 Operator : JC/SP
 Sample : VX0730WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0730WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/31/2019 10:53:50 AM

Quant Time: Jul 31 08:53:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	176218	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	263295	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	243305	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	127339	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	97786	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
35) Dibromofluoromethane	5.49	113	87459	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	
50) Toluene-d8	8.71	98	320424	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
62) 4-Bromofluorobenzene	11.13	95	116370	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	32142	17.465	ug/l 100
3) Chloromethane	1.33	50	30726	18.961	ug/l 99
4) Vinyl Chloride	1.41	62	31715	19.188	ug/l 100
5) Bromomethane	1.64	94	20405	21.907	ug/l 96
6) Chloroethane	1.72	64	20482	19.499	ug/l 97
7) Trichlorofluoromethane	1.93	101	57246	20.460	ug/l 98
8) Diethyl Ether	2.19	74	18760	19.460	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	2.39	101	31044	19.432	ug/l 99
10) Methyl Iodide	2.51	142	27947	13.331	ug/l 98
11) Tert butyl alcohol	3.04	59	45293	103.741	ug/l 100
12) 1,1-Dichloroethene	2.37	96	29992	19.108	ug/l 97
13) Acrolein	2.29	56	14628	57.990	ug/l 90
14) Allyl chloride	2.73	41	42954	18.840	ug/l 98
15) Acrylonitrile	3.14	53	91996	104.277	ug/l 99
16) Acetone	2.45	43	76357	90.182	ug/l 100
17) Carbon Disulfide	2.57	76	61160	15.190	ug/l 98
18) Methyl Acetate	2.78	43	44081	22.864	ug/l 98
19) Methyl tert-butyl Ether	3.20	73	101018	19.992	ug/l 98
20) Methylene Chloride	2.85	84	35076	19.548	ug/l 97
21) trans-1,2-Dichloroethene	3.17	96	31790	19.088	ug/l 96
22) Diisopropyl ether	3.85	45	96187	20.003	ug/l 96
23) Vinyl Acetate	3.82	43	392906	96.437	ug/l 99
24) 1,1-Dichloroethane	3.70	63	54998	19.694	ug/l 99
25) 2-Butanone	4.67	43	124567	102.488	ug/l 99
26) 2,2-Dichloropropane	4.58	77	36413	15.881	ug/l 98
27) cis-1,2-Dichloroethene	4.59	96	37428	19.418	ug/l 97
28) Bromochloromethane	5.01	49	23416	17.794	ug/l 96
29) Tetrahydrofuran	5.13	42	78150	101.507	ug/l 100
30) Chloroform	5.21	83	61749	20.457	ug/l 100
31) Cyclohexane	5.59	56	45165	17.744	ug/l 94
32) 1,1,1-Trichloroethane	5.49	97	50309	19.265	ug/l 97
36) 1,1-Dichloropropene	5.80	75	40772	18.852	ug/l 99
37) Ethyl Acetate	4.84	43	44281	19.995	ug/l 96
38) Carbon Tetrachloride	5.79	117	42964	19.064	ug/l 97

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 ClientSampleId :
 VX0730WBSD01

Manual Integrations
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 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:39:23 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	48136	17.163	ug/l	97
40) Benzene	6.14	78	130409	19.685	ug/l	100
41) Methacrylonitrile	5.05	41	25596	20.360	ug/l	94
42) 1,2-Dichloroethane	6.19	62	46648	20.251	ug/l	99
43) Isopropyl Acetate	6.45	43	70897	19.470	ug/l	99
44) Trichloroethene	7.21	130	37208	18.974	ug/l	98
45) 1,2-Dichloropropane	7.52	63	33628	19.944	ug/l	97
46) Dibromomethane	7.66	93	24162	20.054	ug/l	99
47) Bromodichloromethane	7.90	83	42294	19.720	ug/l	98
48) Methyl methacrylate	7.77	41	34884	19.665	ug/l	99
49) 1,4-Dioxane	7.74	88	20711	417.386	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	252205	106.843	ug/l	99
52) Toluene	8.78	92	84747	19.473	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	41543	18.014	ug/l	95
54) cis-1,3-Dichloropropene	8.43	75	46749	18.217	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	36655	20.455	ug/l	98
56) Ethyl methacrylate	9.18	69	51623	19.694	ug/l	98
57) 1,3-Dichloropropane	9.37	76	57068	20.075	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	123773	98.919	ug/l	100
59) 2-Hexanone	9.49	43	194818	106.408	ug/l	99
60) Dibromochloromethane	9.58	129	35436	18.842	ug/l	99
61) 1,2-Dibromoethane	9.67	107	38095	20.032	ug/l	99
64) Tetrachloroethene	9.34	164	37865	19.783	ug/l	98
65) Chlorobenzene	10.13	112	97698	19.550	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	34614	19.708	ug/l	98
67) Ethyl Benzene	10.25	91	165566	19.465	ug/l	100
68) m/p-Xylenes	10.35	106	127605	39.109	ug/l	98
69) o-Xylene	10.69	106	62434	19.606	ug/l	98
70) Styrene	10.71	104	105271	19.831	ug/l	99
71) Bromoform	10.85	173	25599	17.741	ug/l #	100
73) Isopropylbenzene	11.02	105	168914	19.631	ug/l	100
74) N-amyl acetate	10.90	43	63395	19.283	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	57848	20.544	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	48134m	20.947	ug/l	
77) Bromobenzene	11.26	156	45672	19.244	ug/l	99
78) n-propylbenzene	11.36	91	183945	19.348	ug/l	99
79) 2-Chlorotoluene	11.42	91	111430	19.511	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	139462	19.397	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	13246	17.422	ug/l	91
82) 4-Chlorotoluene	11.51	91	125678	18.907	ug/l	99
83) tert-Butylbenzene	11.77	119	138190	19.568	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	139960	19.314	ug/l	98
85) sec-Butylbenzene	11.94	105	162785	19.672	ug/l	99
86) p-Isopropyltoluene	12.06	119	148641	19.430	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	78993	19.179	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	80695	19.103	ug/l	98
89) n-Butylbenzene	12.38	91	123909	18.932	ug/l	99
90) Hexachloroethane	12.59	117	21807	18.073	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	81488	19.963	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	11634	19.766	ug/l	97

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBSD01

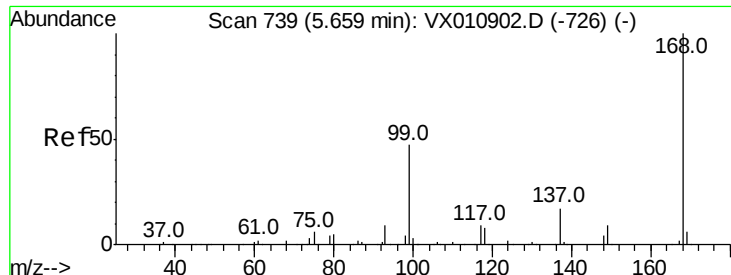
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Wed Jul 24 05:39:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	53326	19.276	ug/l	100
94) Hexachlorobutadiene	13.78	225	26765	19.524	ug/l	99
95) Naphthalene	13.83	128	166906	20.431	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	54030	19.629	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



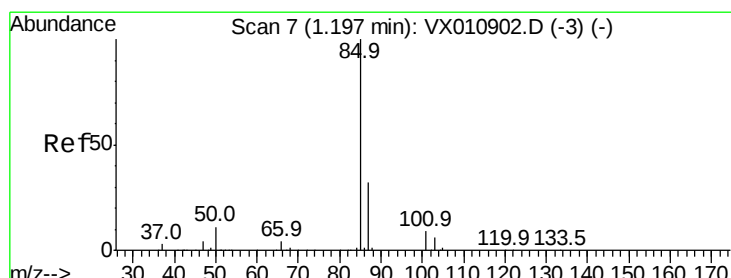
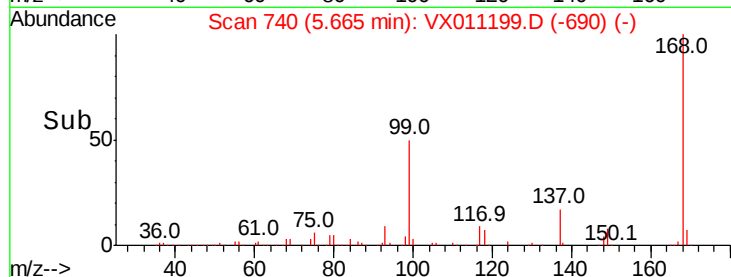
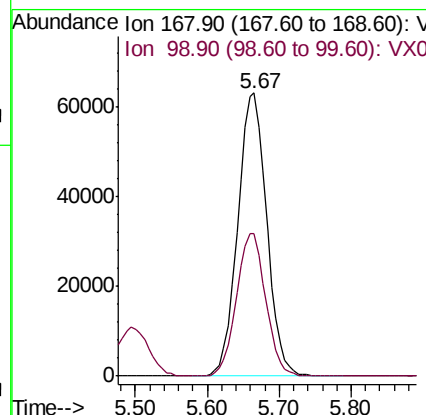
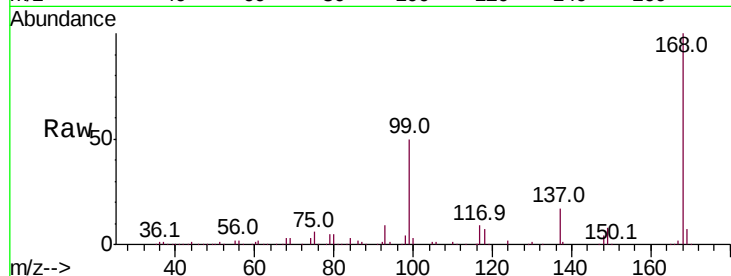
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX011199.D
Acq: 30 Jul 2019 16:53

Instrument :
MSVOA_X
ClientSampled :
VX0730WBSD01

Tot Ion	Ratio	Lower	Upper
168	100		
99	50.3	37.6	56.4

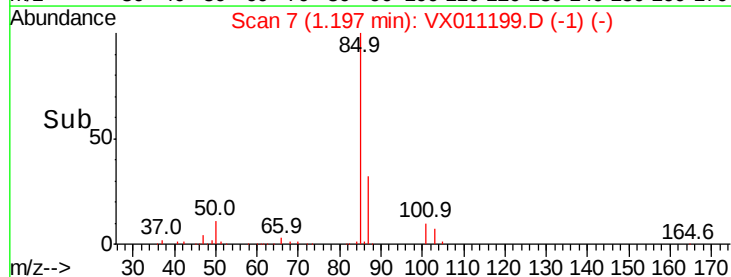
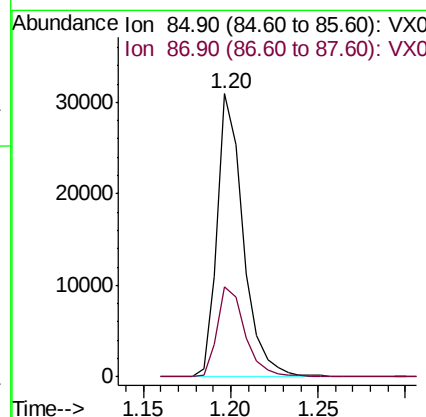
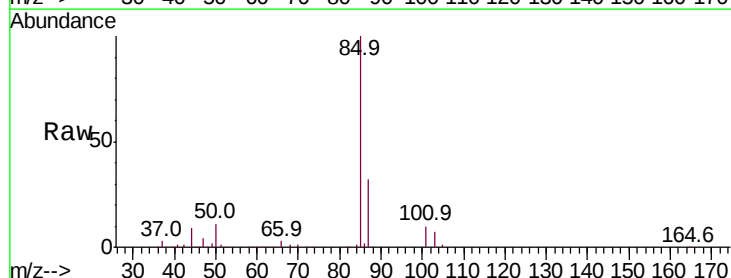
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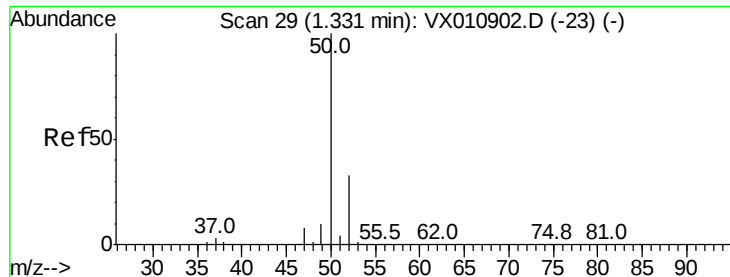
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#2
Dichlorodifluoromethane
Concen: 17.465 ug/l
RT: 1.20 min Scan# 7
Delta R.T. 0.00 min
Lab File: VX011199.D
Acq: 30 Jul 2019 16:53

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.8	15.9	47.7





#3

Chloromethane

Concen: 18.961 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX011199.D

Acq: 30 Jul 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBSD01

Tot Ion: 50 Resp: 30726

Ion Ratio Lower Upper

50 100

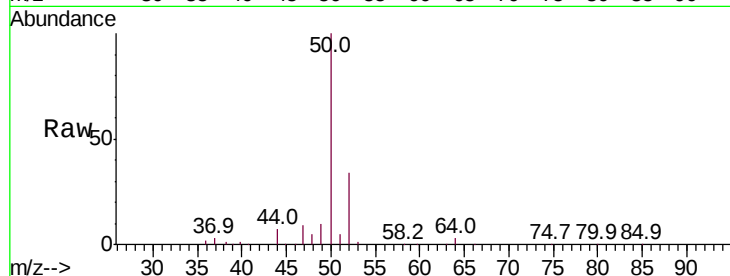
52 33.4 26.4 39.6

Manual Integrations

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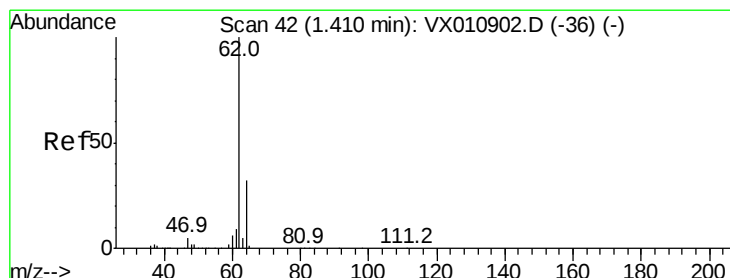
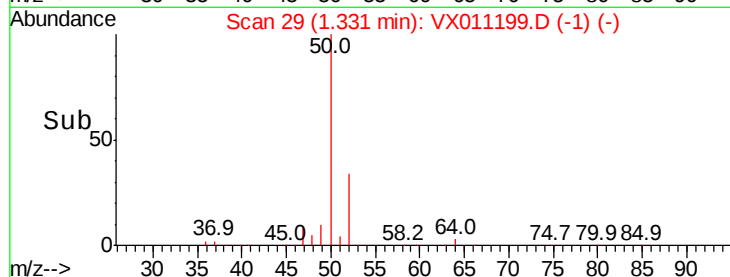
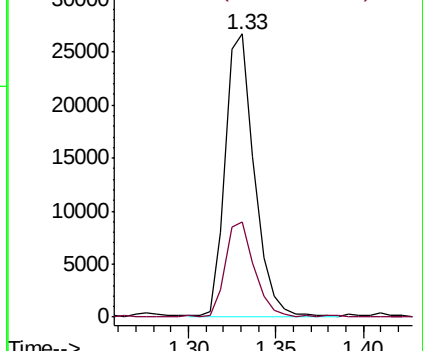
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.188 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX011199.D

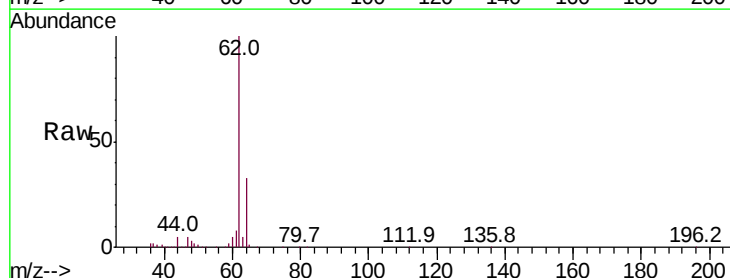
Acq: 30 Jul 2019 16:53

Tgt Ion: 62 Resp: 31715

Ion Ratio Lower Upper

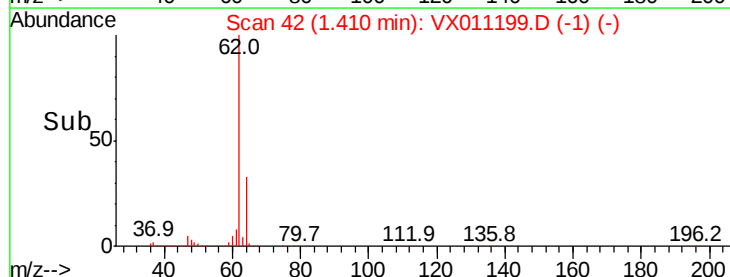
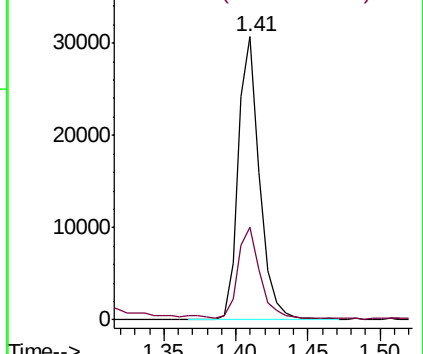
62 100

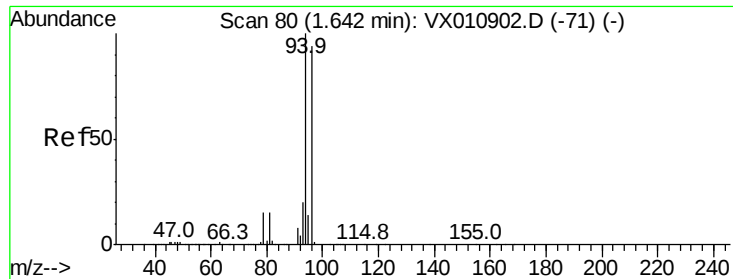
64 31.8 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 21.907 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX011199.D

Acq: 30 Jul 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBSD01

Tot Ion: 94 Resp: 20405

Ion Ratio Lower Upper

94 100

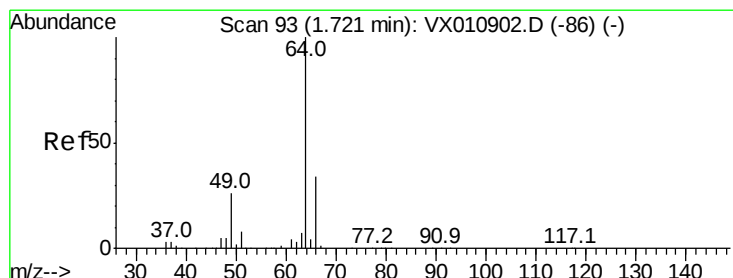
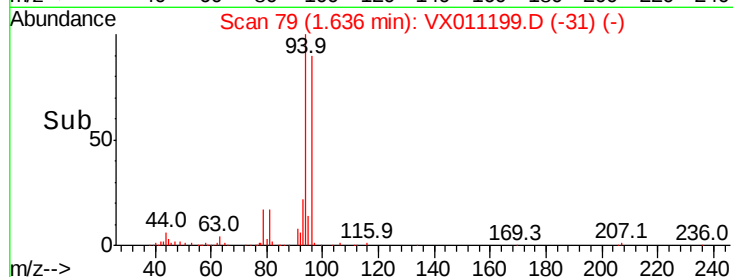
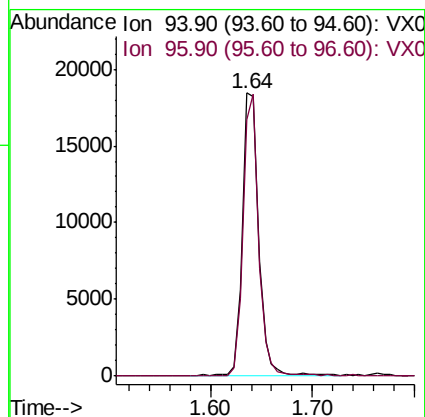
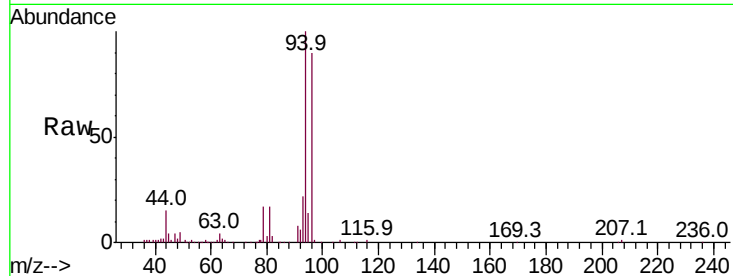
96 90.5 75.6 113.4

Manual Integrations

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#6

Chloroethane

Concen: 19.499 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX011199.D

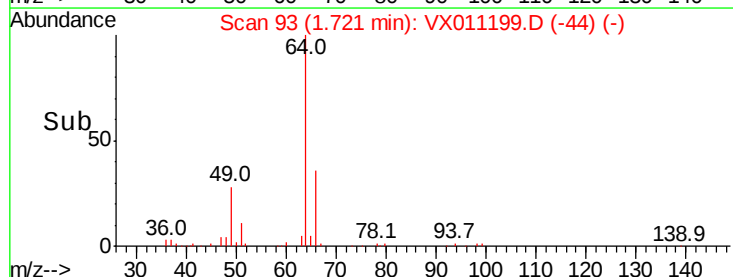
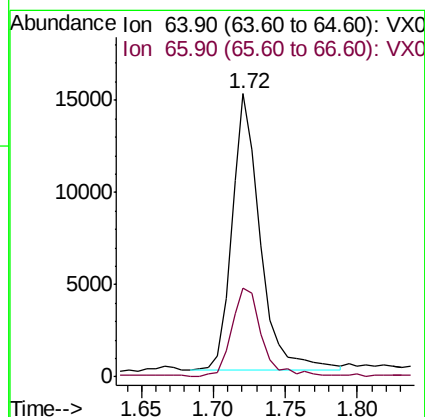
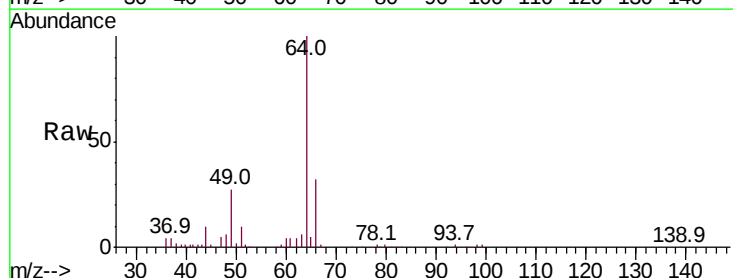
Acq: 30 Jul 2019 16:53

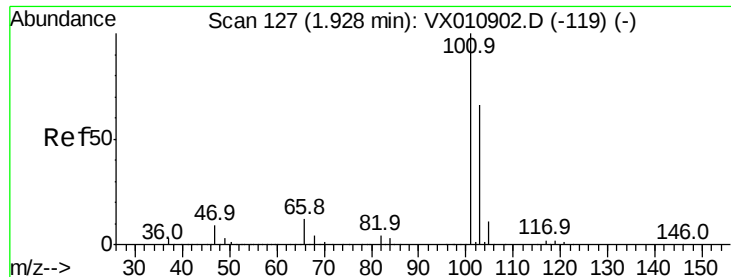
Tgt Ion: 64 Resp: 20482

Ion Ratio Lower Upper

64 100

66 32.0 27.0 40.6





#7

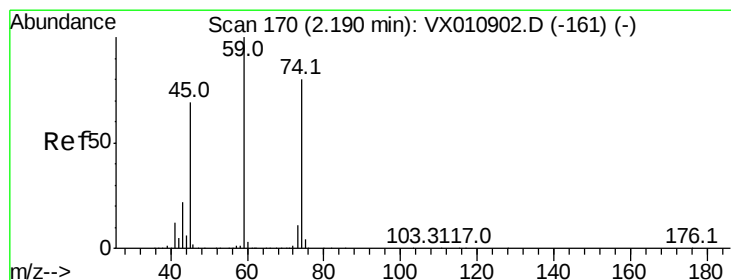
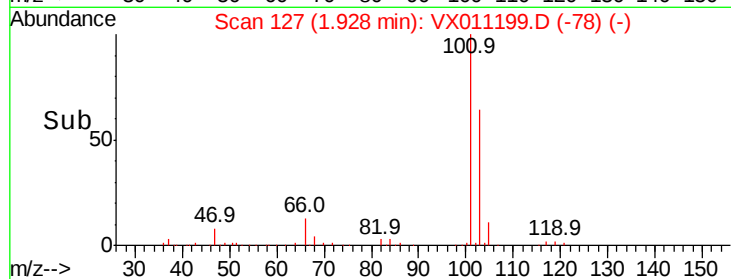
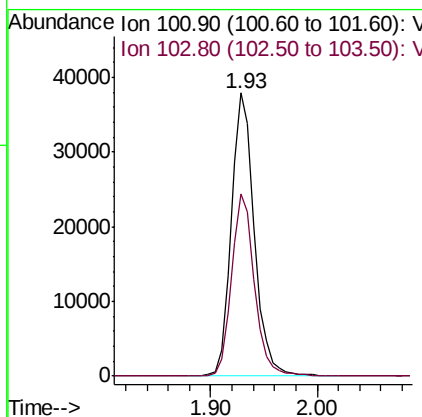
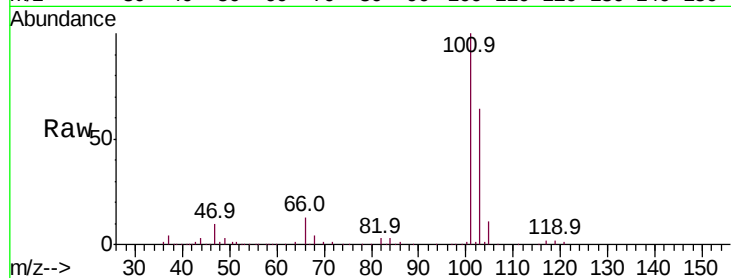
Trichlorofluoromethane
Concen: 20.460 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX011199.D
Acq: 30 Jul 2019 16:53

Instrument :
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ClientSampleId :
VX0730WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.6	78.8

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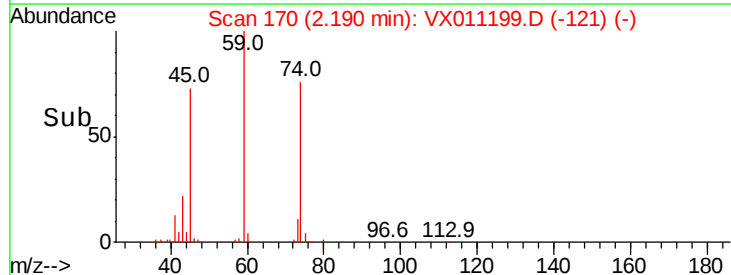
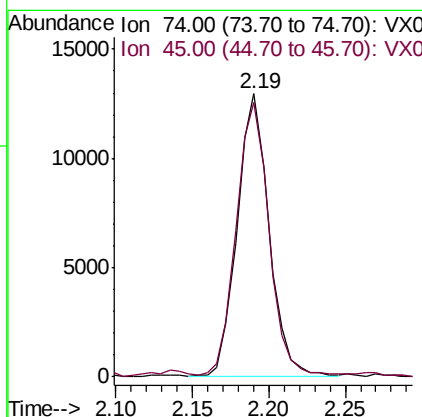
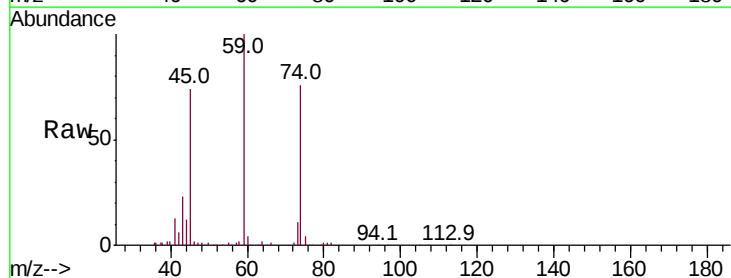
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7/31/2019 10:53:50 AM

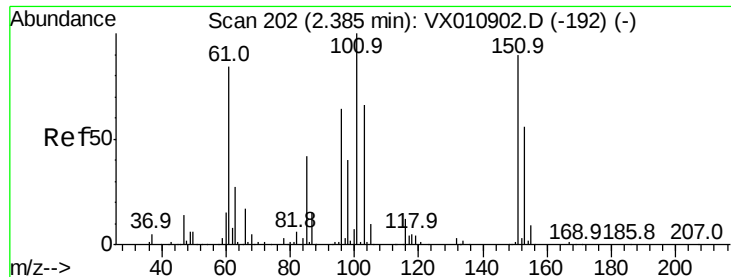


#8

Diethyl Ether
Concen: 19.460 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX011199.D
Acq: 30 Jul 2019 16:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.9	45.5	136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.432 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX011199.D

Acq: 30 Jul 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

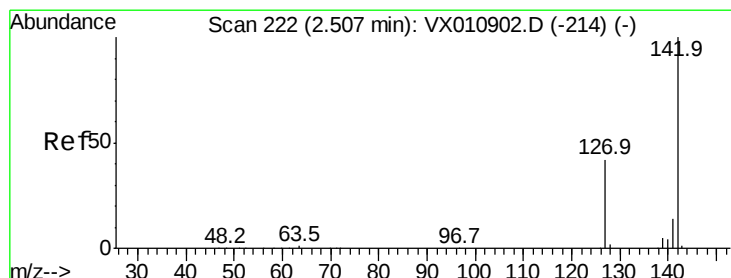
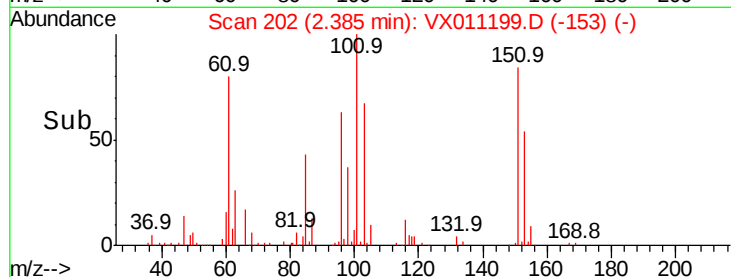
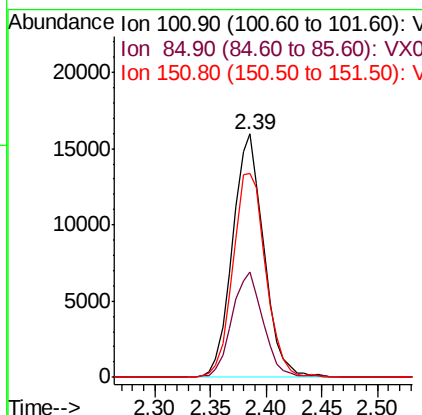
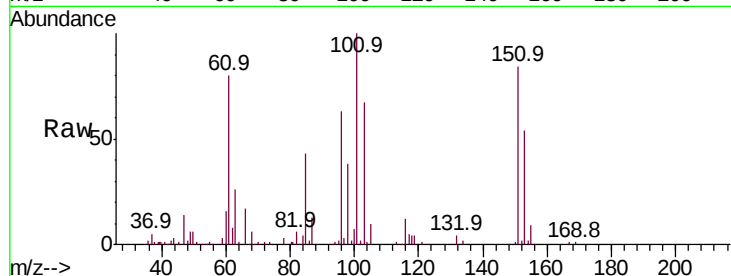
VX0730WBSD01

Tot Ion:101 Resp: 31044

Ion	Ratio	Lower	Upper
101	100		
85	43.5	34.6	52.0
151	87.8	69.6	104.4

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#10

Methyl Iodide

Concen: 13.331 ug/l

RT: 2.51 min Scan# 223

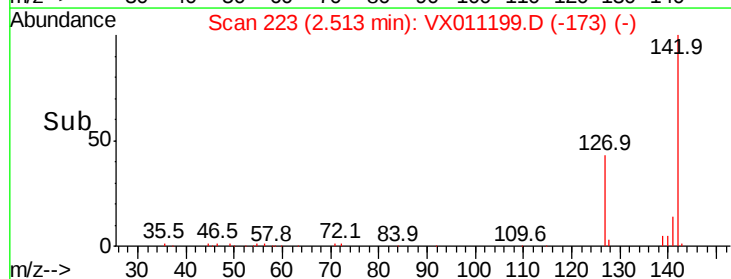
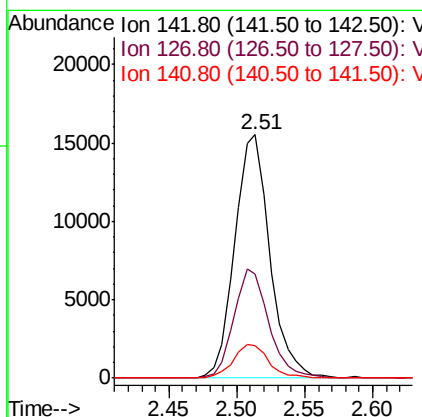
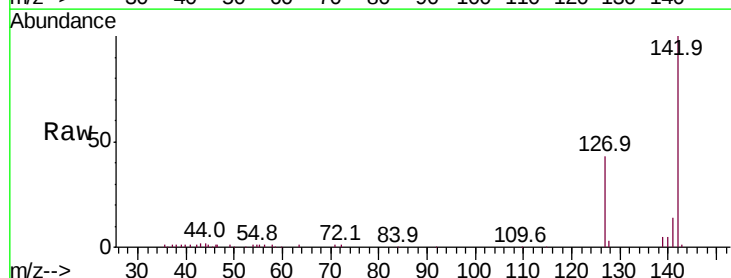
Delta R.T. 0.01 min

Lab File: VX011199.D

Acq: 30 Jul 2019 16:53

Tgt Ion:142 Resp: 27947

Ion	Ratio	Lower	Upper
142	100		
127	44.5	34.2	51.4
141	13.9	11.7	17.5





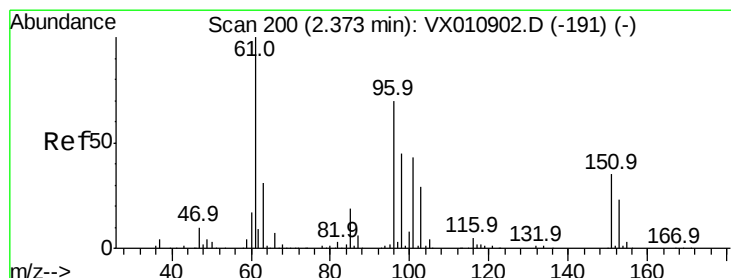
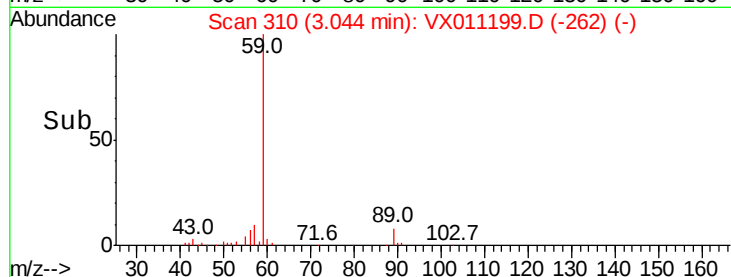
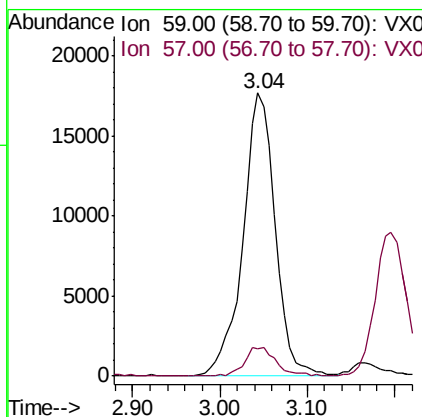
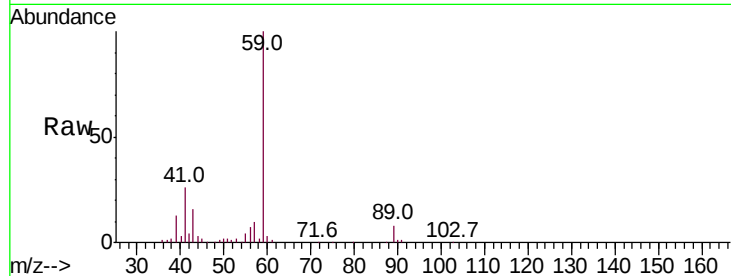
#11
Tert butyl alcohol
Concen: 103.741 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX011199.D
Acq: 30 Jul 2019 16:53

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBSD01

Tot Ion: 59 Resp: 45293
Ion Ratio Lower Upper
59 100
57 10.0 7.9 11.9

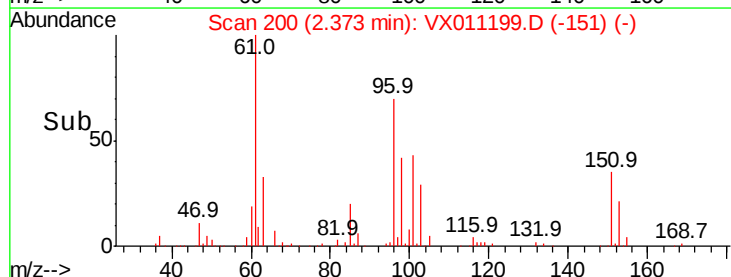
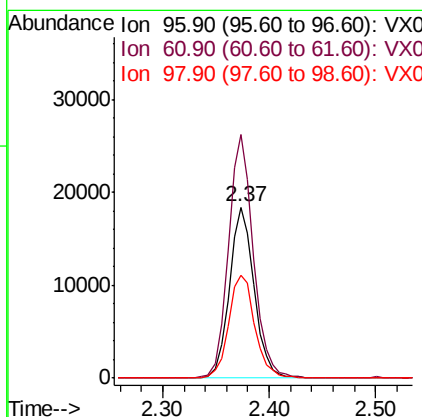
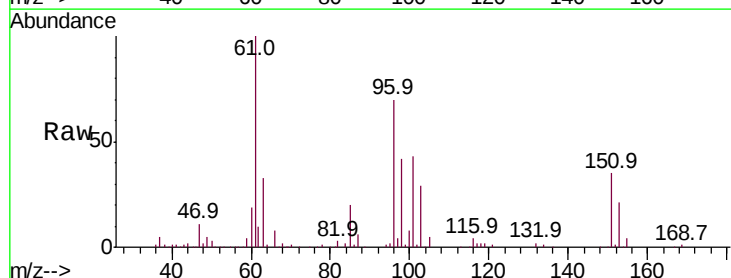
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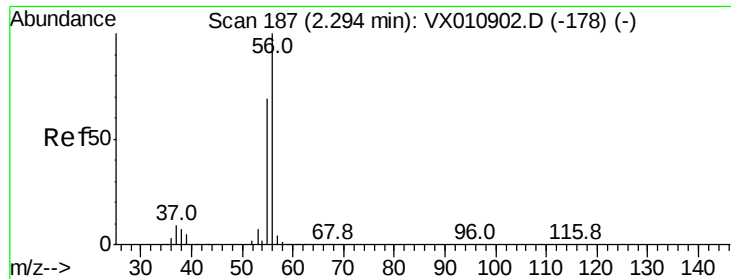
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.108 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX011199.D
Acq: 30 Jul 2019 16:53

Tgt Ion: 96 Resp: 29992
Ion Ratio Lower Upper
96 100
61 142.1 115.0 172.4
98 60.1 52.2 78.2





#13

Acrolein

Concen: 57.990 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX011199.D

Acq: 30 Jul 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBSD01

Tot Ion: 56 Resp: 14628

Ion Ratio Lower Upper

56 100

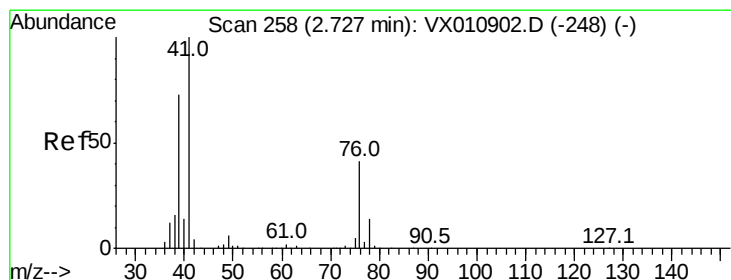
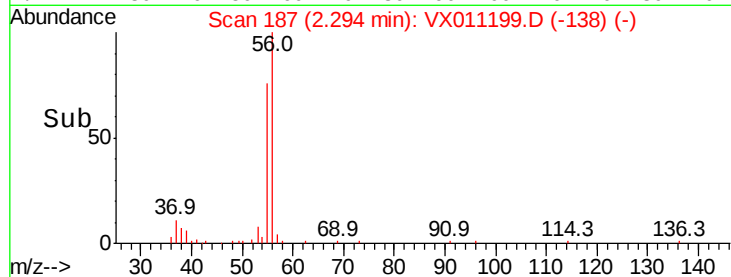
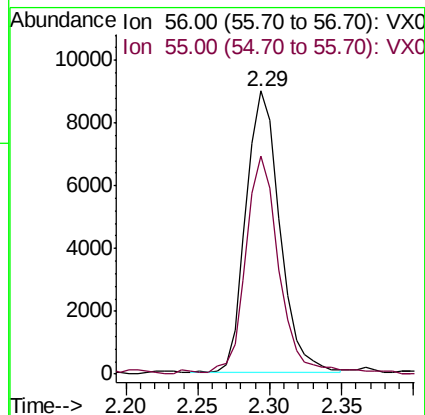
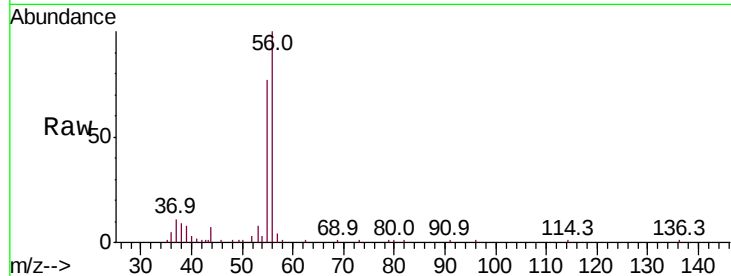
55 78.3 55.9 83.9

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#14

Allyl chloride

Concen: 18.840 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX011199.D

Acq: 30 Jul 2019 16:53

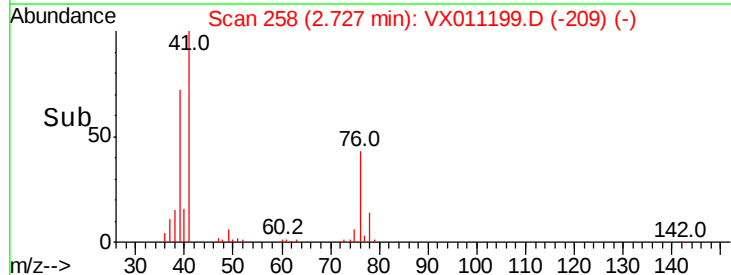
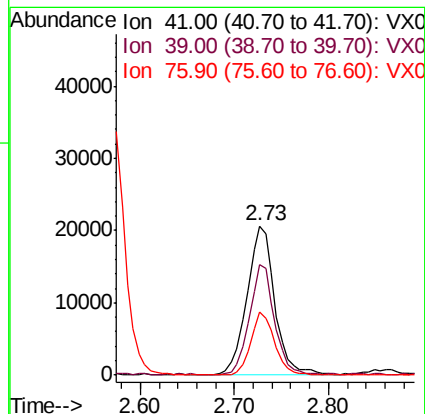
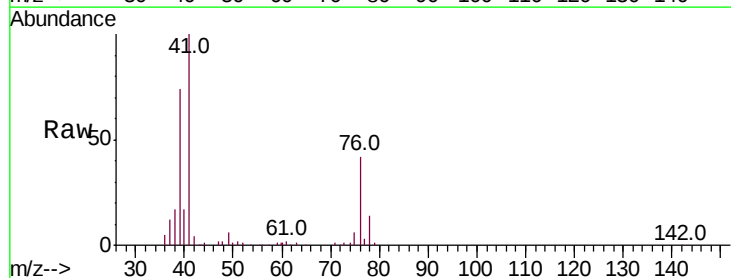
Tgt Ion: 41 Resp: 42954

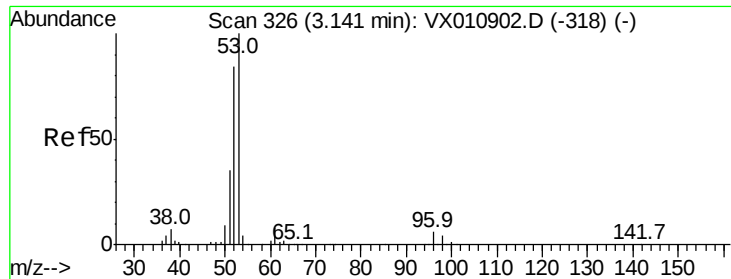
Ion Ratio Lower Upper

41 100

39 65.4 53.6 80.4

76 36.1 29.7 44.5





#15

Acrylonitrile

Concen: 104.277 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX011199.D

Acq: 30 Jul 2019 16:53

Instrument :

MSVOA_X

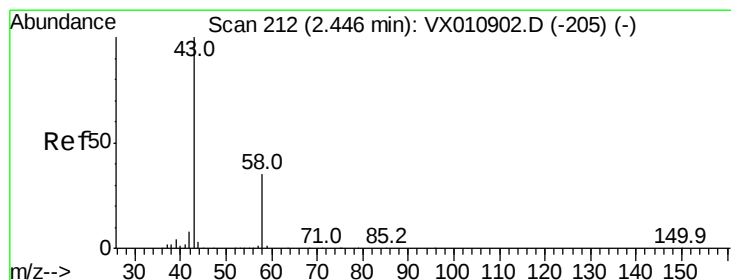
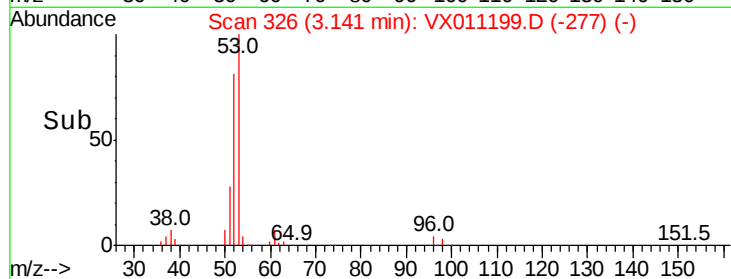
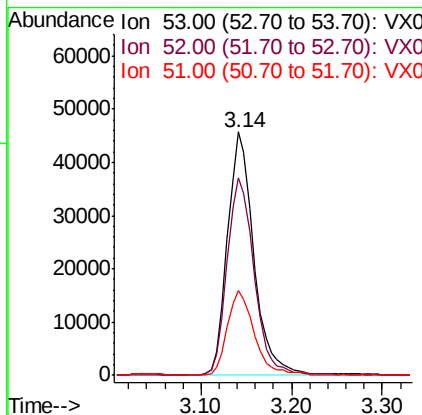
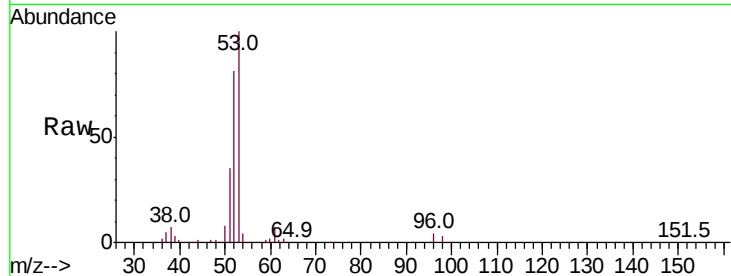
ClientSampleId :

VX0730WBSD01

Tot Ion:	53	Resp:	91996
Ion	Ratio	Lower	Upper
53	100		
52	83.9	66.5	99.7
51	36.4	28.2	42.4

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#16

Acetone

Concen: 90.182 ug/l

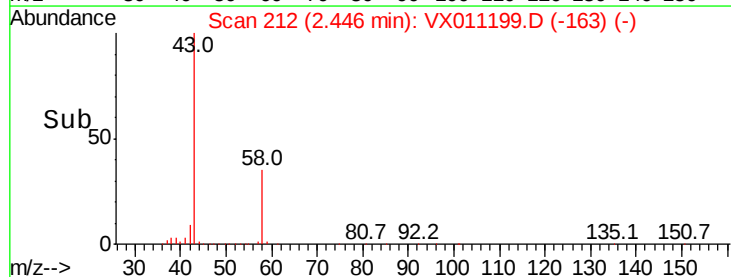
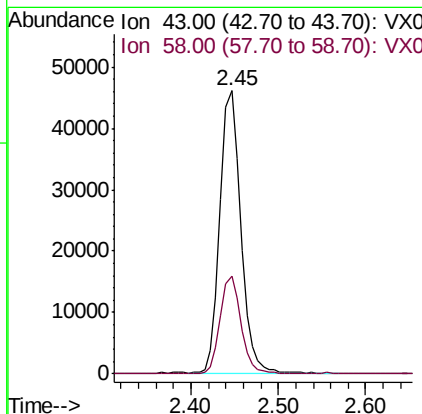
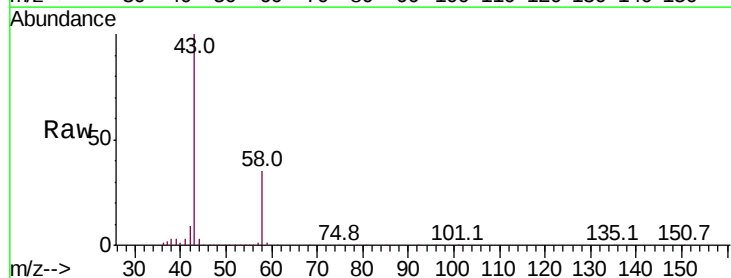
RT: 2.45 min Scan# 212

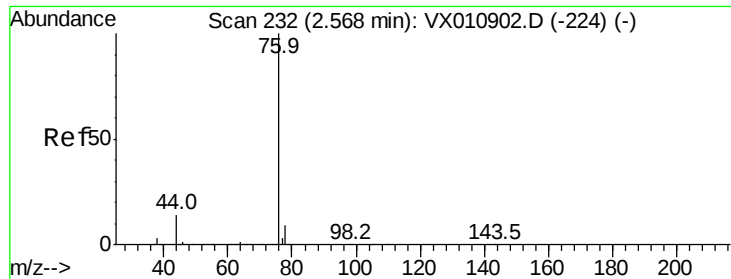
Delta R.T. -0.00 min

Lab File: VX011199.D

Acq: 30 Jul 2019 16:53

Tgt Ion:	43	Resp:	76357
Ion	Ratio	Lower	Upper
43	100		
58	34.7	27.7	41.5





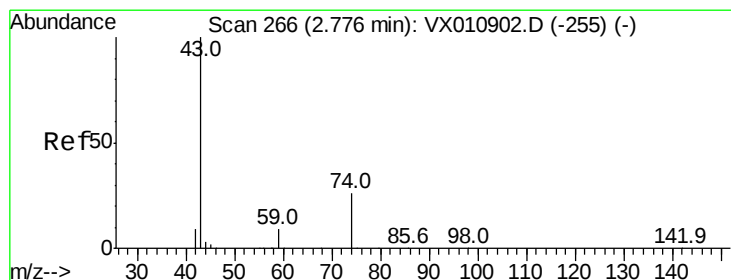
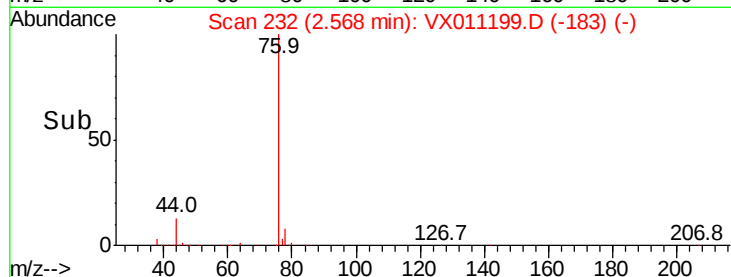
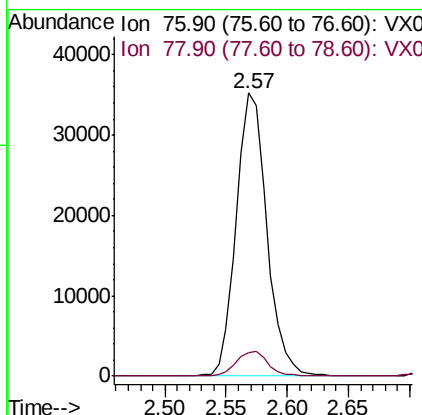
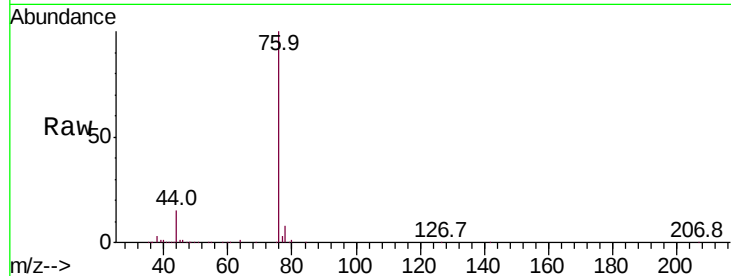
#17
Carbon Disulfide
Concen: 15.190 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX011199.D
Acq: 30 Jul 2019 16:53

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBSD01

Tot Ion: 76 Resp: 61160
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.0

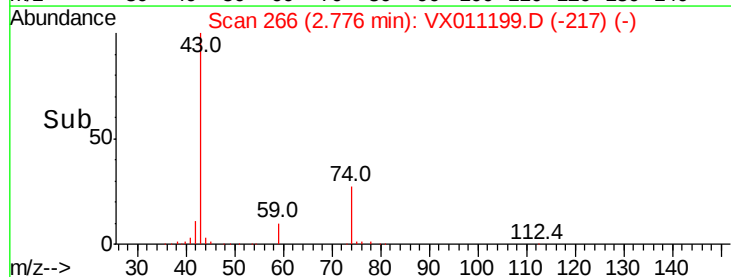
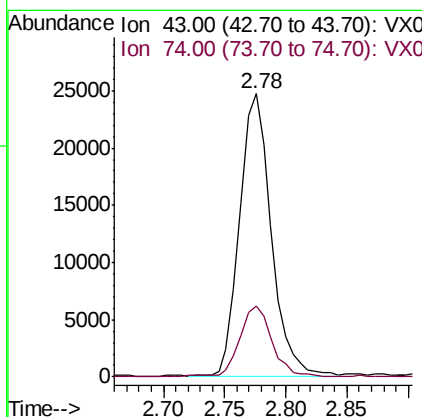
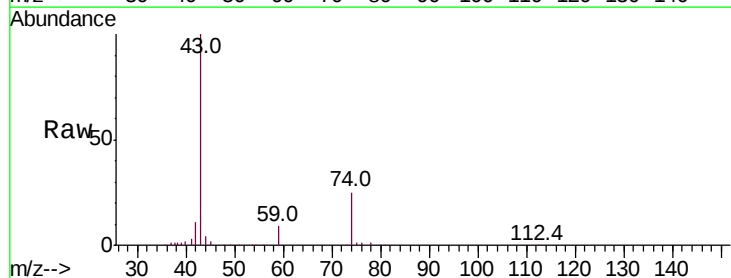
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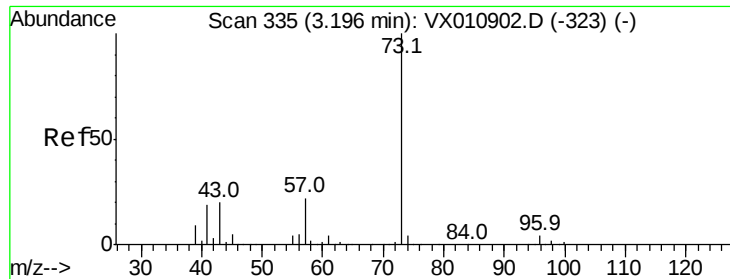
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#18
Methyl Acetate
Concen: 22.864 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX011199.D
Acq: 30 Jul 2019 16:53

Tgt Ion: 43 Resp: 44081
Ion Ratio Lower Upper
43 100
74 26.1 21.5 32.3





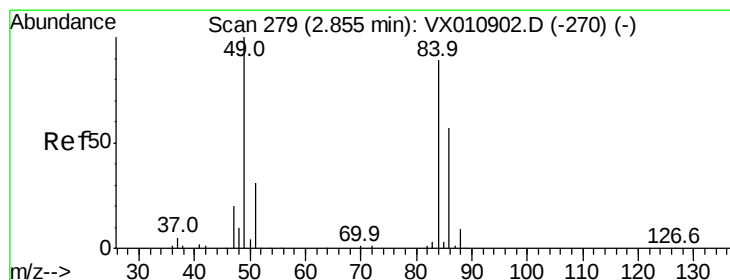
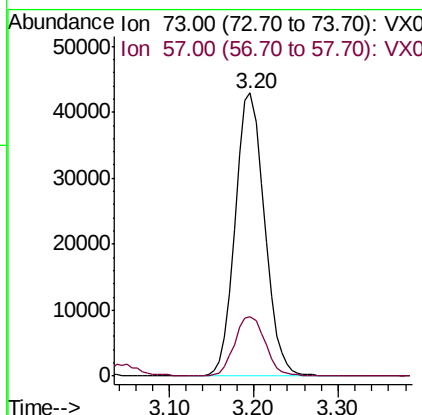
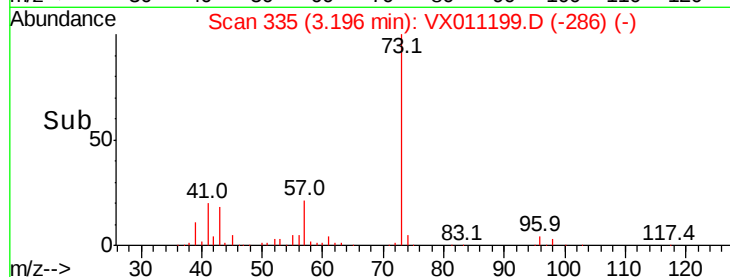
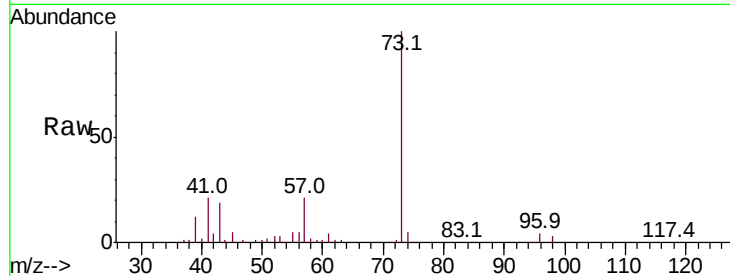
#19
Methvl tert-butvl Ether
Concen: 19.992 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX011199.D
Acq: 30 Jul 2019 16:53

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBSD01

Tot Ion: 73 Resp: 101018
Ion Ratio Lower Upper
73 100
57 20.9 17.3 25.9

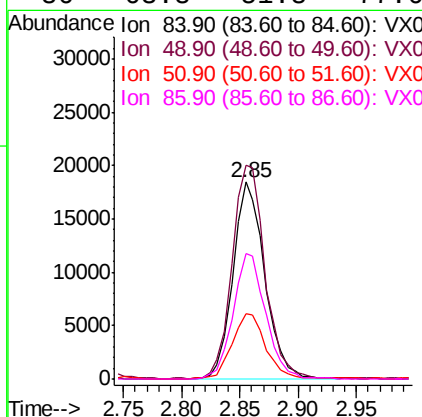
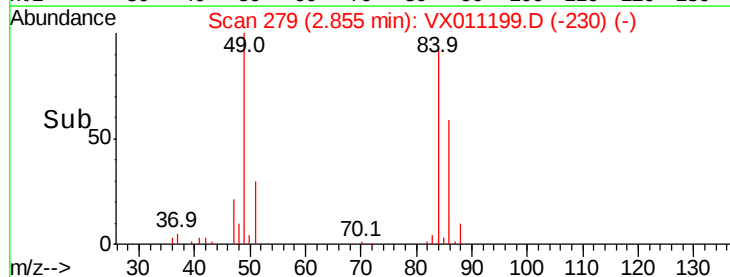
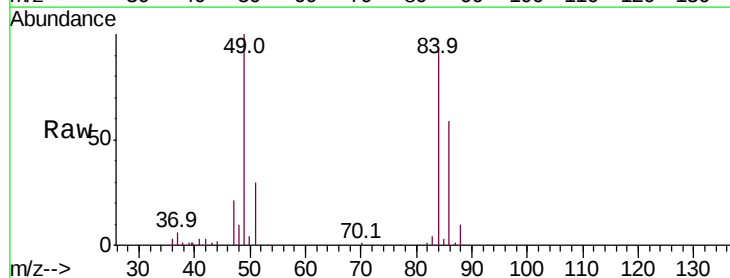
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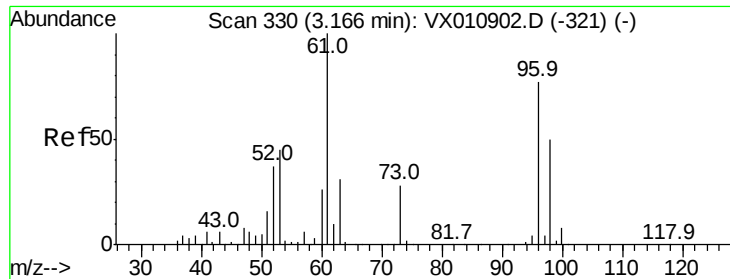
MMDadoda
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#20
Methylene Chloride
Concen: 19.548 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX011199.D
Acq: 30 Jul 2019 16:53

Tgt Ion: 84 Resp: 35076
Ion Ratio Lower Upper
84 100
49 108.6 89.9 134.9
51 32.6 27.8 41.6
86 63.8 51.8 77.6





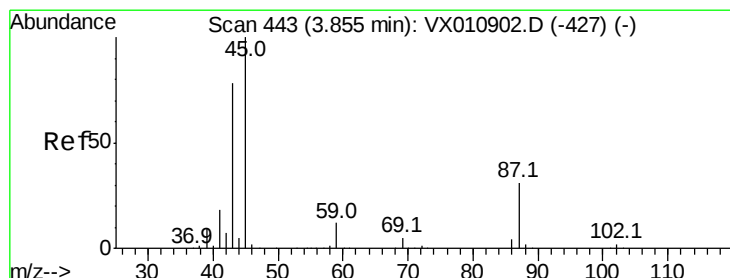
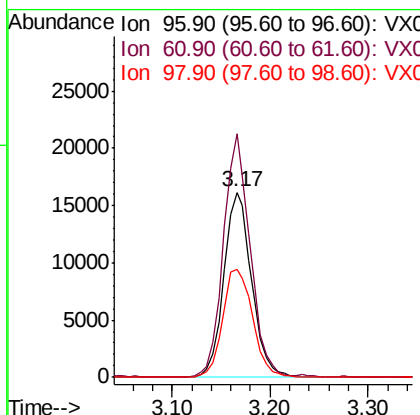
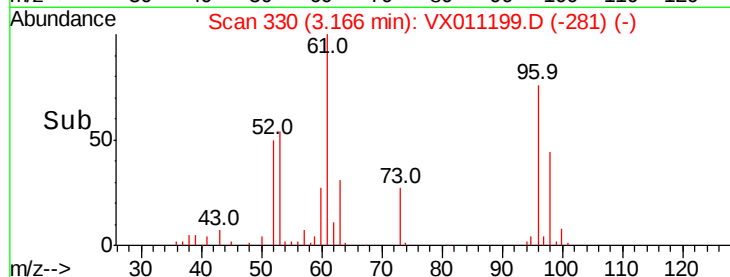
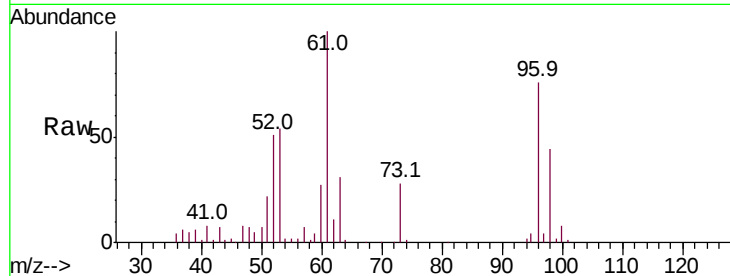
#21
trans-1,2-Dichloroethene
Concen: 19.088 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX011199.D
Acq: 30 Jul 2019 16:53

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.1	104.2	156.2
98	58.2	52.2	78.4

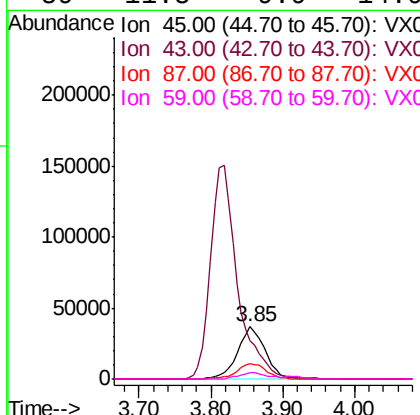
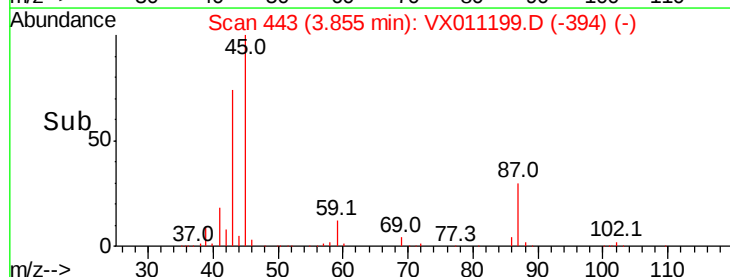
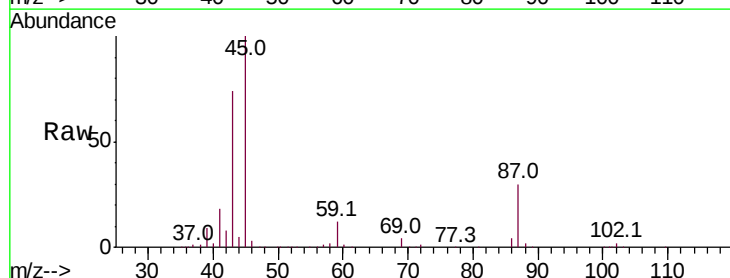
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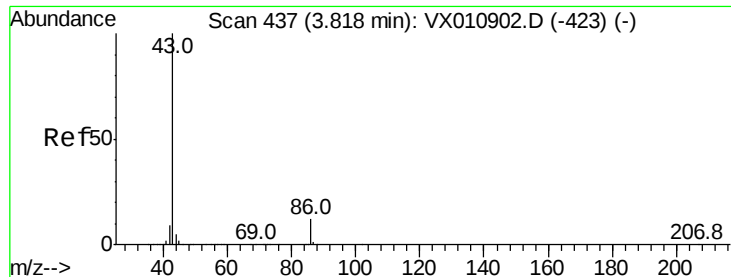
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#22
Diisopropyl ether
Concen: 20.003 ug/l
RT: 3.85 min Scan# 443
Delta R.T. -0.00 min
Lab File: VX011199.D
Acq: 30 Jul 2019 16:53

Tgt Ion	Ratio	Lower	Upper
45	100		
43	73.6	62.3	93.5
87	29.9	25.0	37.4
59	11.5	9.9	14.9





#23

Vinyl Acetate

Concen: 96.437 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX011199.D

Acq: 30 Jul 2019 16:53

Instrument :

MSVOA_X

ClientSampleID :

VX0730WBSD01

Tot Ion: 43 Resp: 392906

Ion Ratio Lower Upper

43 100

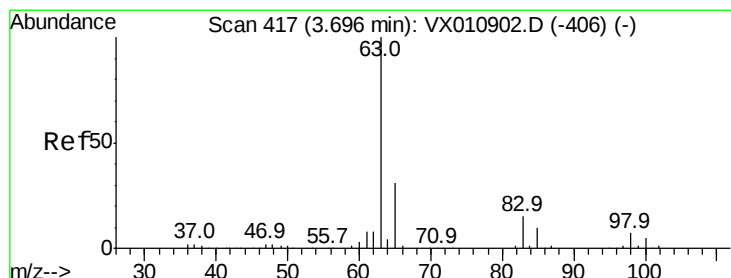
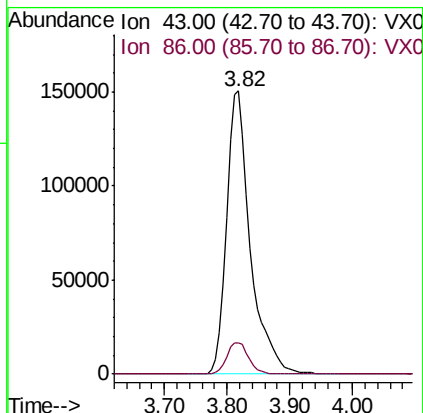
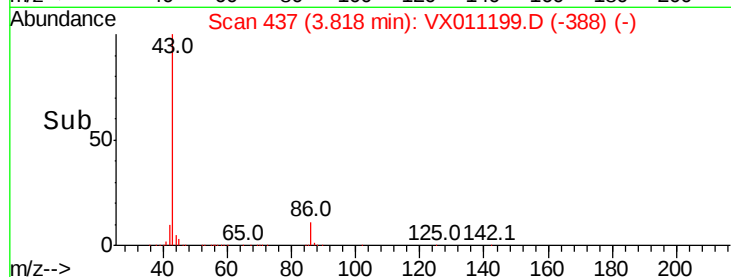
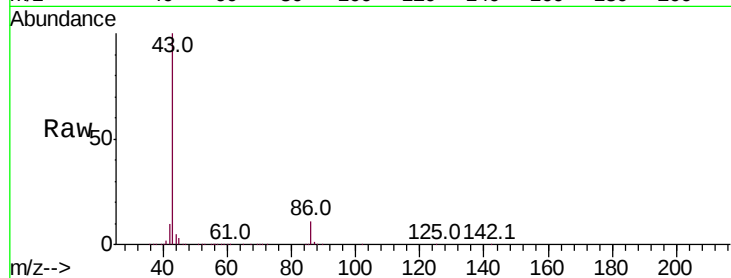
86 11.1 9.4 14.0

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#24

1,1-Dichloroethane

Concen: 19.694 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX011199.D

Acq: 30 Jul 2019 16:53

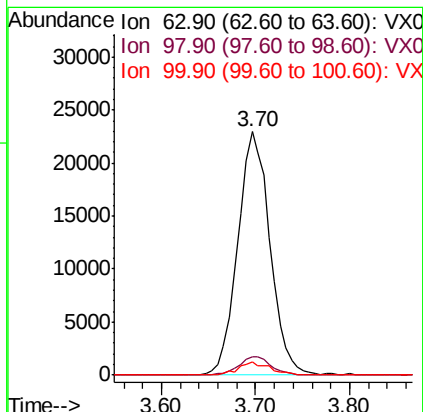
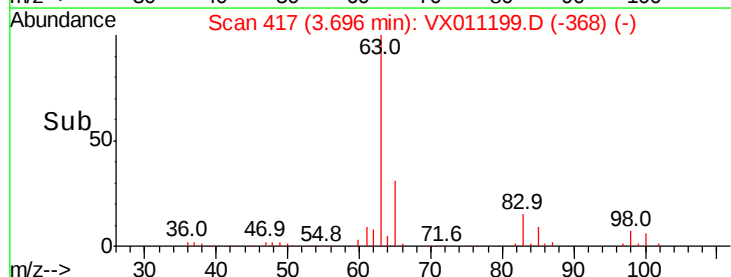
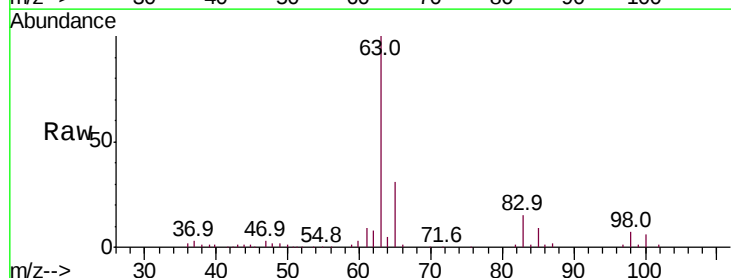
Tgt Ion: 63 Resp: 54998

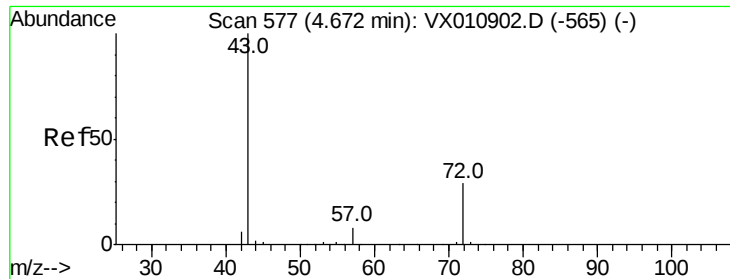
Ion Ratio Lower Upper

63 100

98 7.3 3.6 10.9

100 5.6 2.4 7.2





#25

2-Butanone

Concen: 102.488 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX011199.D

Acq: 30 Jul 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBSD01

Tot Ion: 43 Resp: 124567

Ion Ratio Lower Upper

43 100

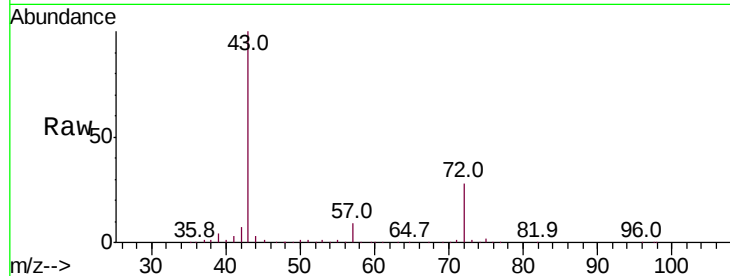
72 28.2 23.0 34.6

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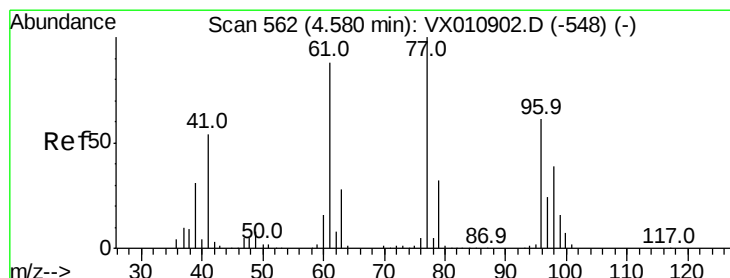
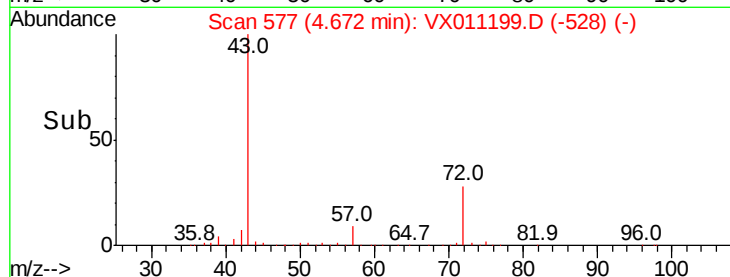
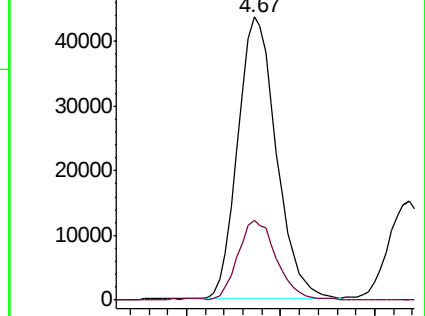
MMDadoda

7/31/2019 10:53:50 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 15.881 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX011199.D

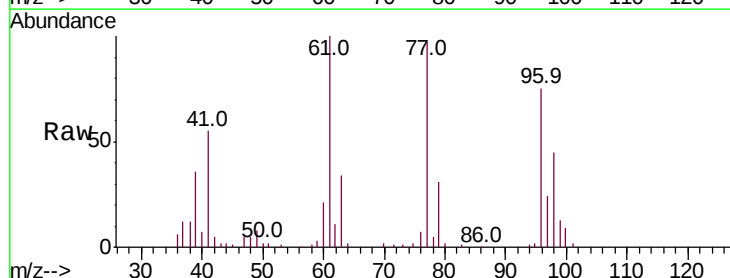
Acq: 30 Jul 2019 16:53

Tgt Ion: 77 Resp: 36413

Ion Ratio Lower Upper

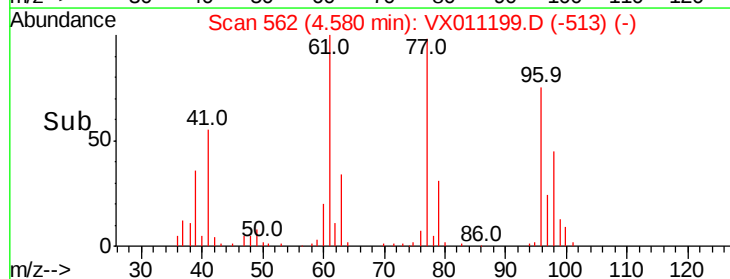
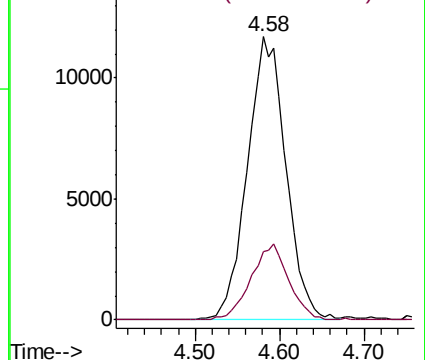
77 100

97 26.3 12.6 37.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

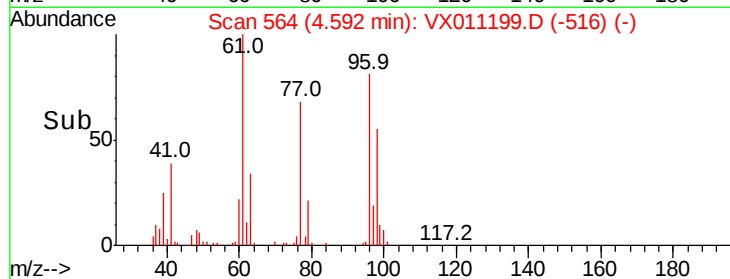
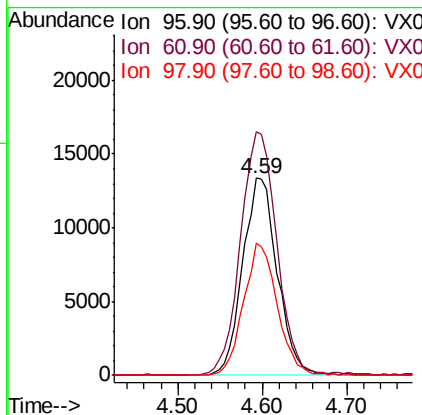
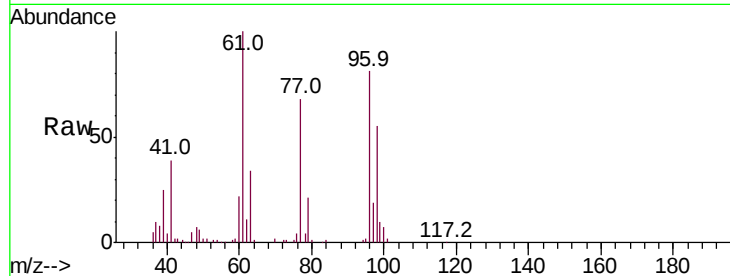
cis-1,2-Dichloroethene
 Concen: 19.418 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX011199.D
 Acq: 30 Jul 2019 16:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0730WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.4	0.0	269.0
98	65.3	0.0	131.4

Manual Integrations
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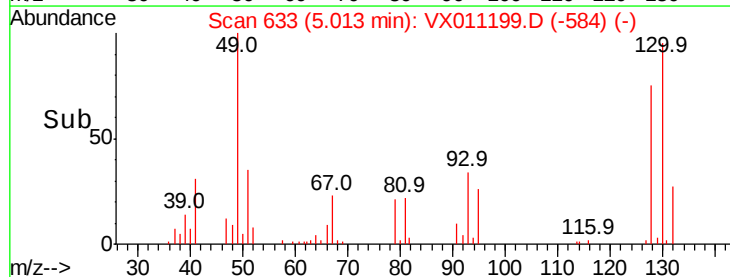
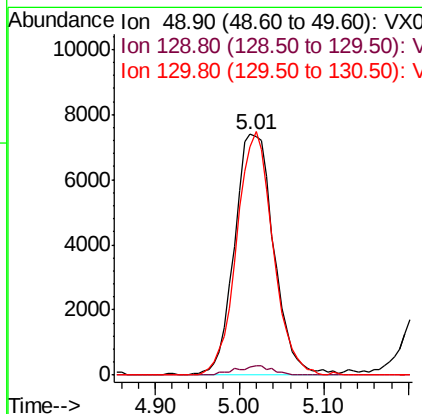
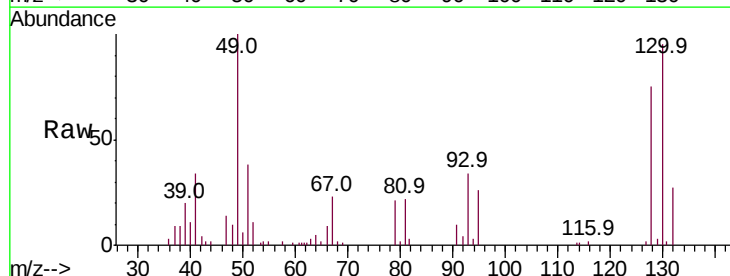
MMDadoda
 7/31/2019 10:53:50 AM

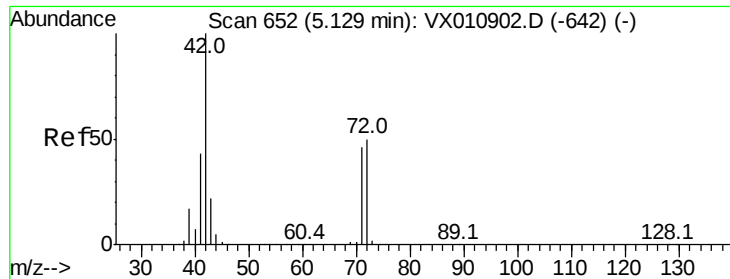


#28

Bromochloromethane
 Concen: 17.794 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.00 min
 Lab File: VX011199.D
 Acq: 30 Jul 2019 16:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.5	0.0	5.2
130	92.5	76.9	115.3





#29

Tetrahydrofuran

Concen: 101.507 ug/l

RT: 5.13 min Scan# 652

Delta R.T. -0.00 min

Lab File: VX011199.D

Acq: 30 Jul 2019 16:53

Instrument :

MSVOA_X

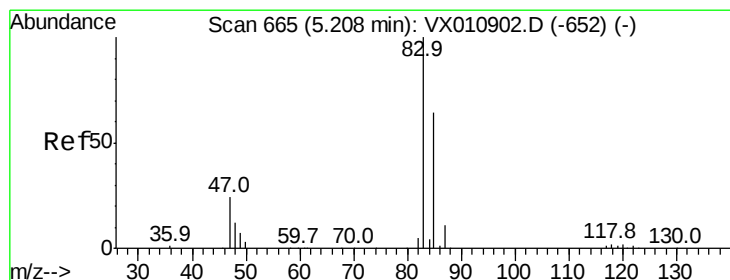
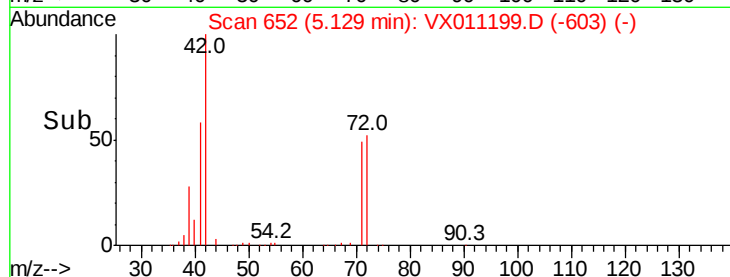
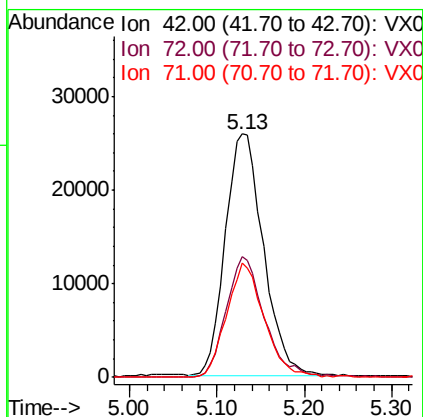
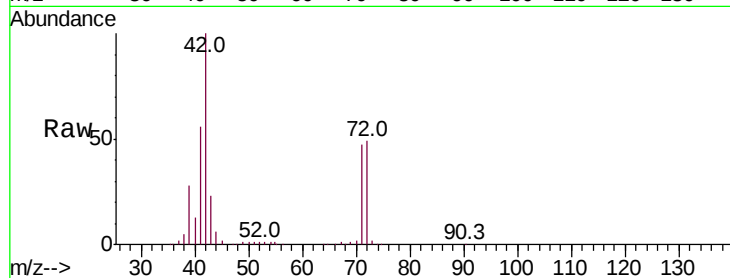
ClientSampleId :

VX0730WBSD01

Tot Ion:	42	Resp:	78150
Ion Ratio	Lower	Upper	
42	100		
72	49.7	39.8	59.8
71	46.7	37.0	55.4

Manual Integrations
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#30

Chloroform

Concen: 20.457 ug/l

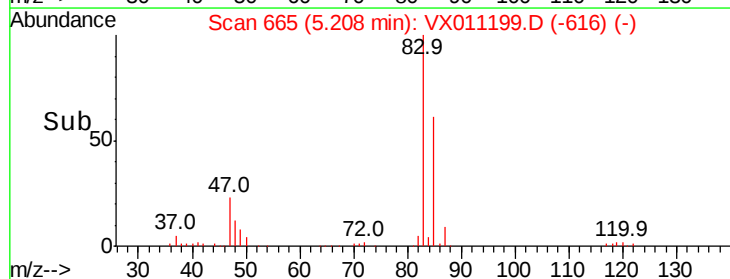
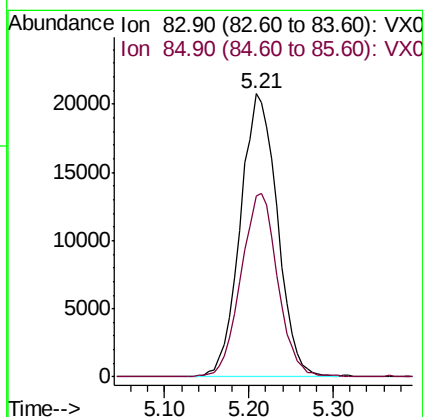
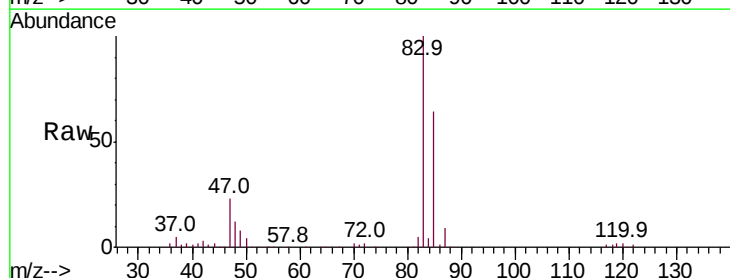
RT: 5.21 min Scan# 665

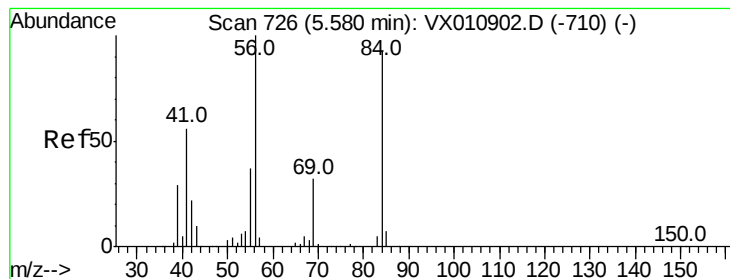
Delta R.T. -0.00 min

Lab File: VX011199.D

Acq: 30 Jul 2019 16:53

Tgt Ion:	83	Resp:	61749
Ion Ratio	Lower	Upper	
83	100		
85	64.2	51.4	77.0





#31

Cyclohexane

Concen: 17.744 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX011199.D

Acq: 30 Jul 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBSD01

Tot Ion: 56 Resp: 45165

Ion Ratio Lower Upper

56 100

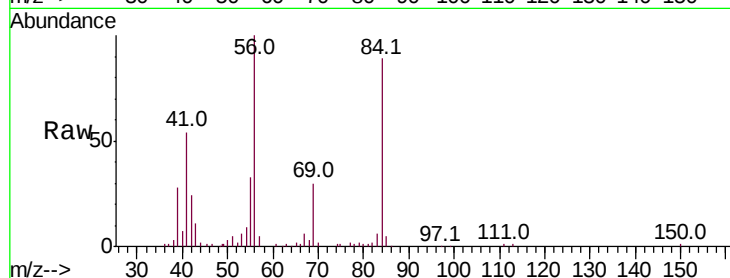
69 30.1 25.8 38.8

84 85.9 73.8 110.6

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7/31/2019 10:53:50 AM

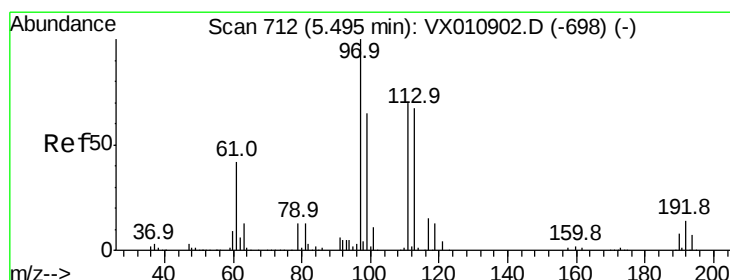
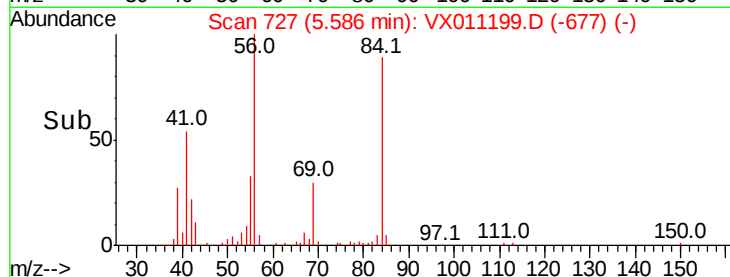
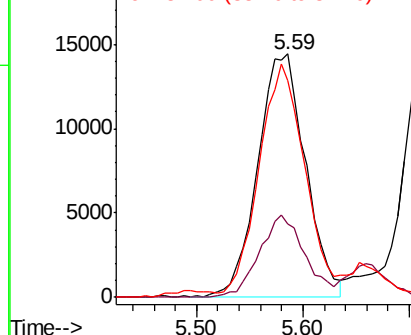


Abundance

Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 19.265 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX011199.D

Acq: 30 Jul 2019 16:53

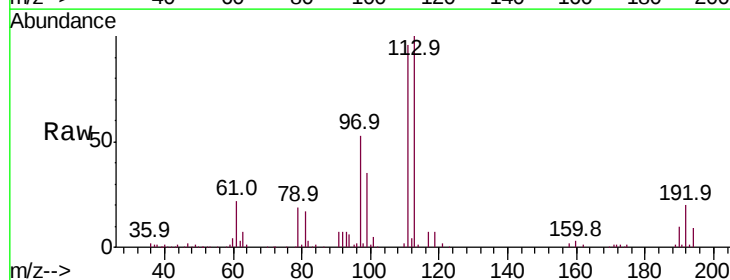
Tgt Ion: 97 Resp: 50309

Ion Ratio Lower Upper

97 100

99 67.0 51.4 77.0

61 43.3 33.0 49.6

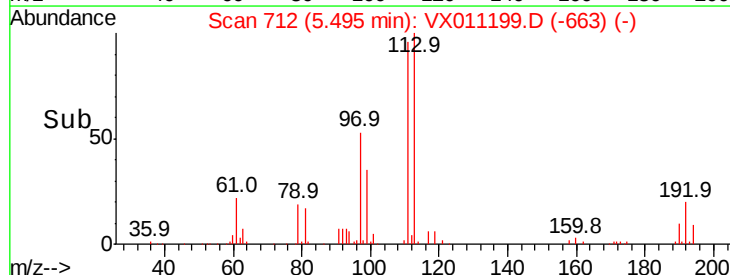
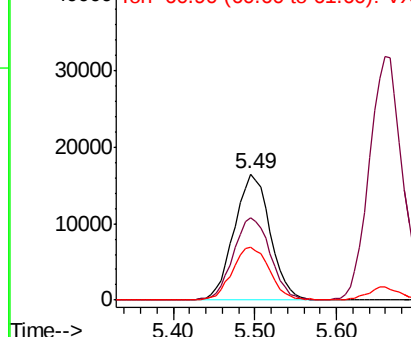


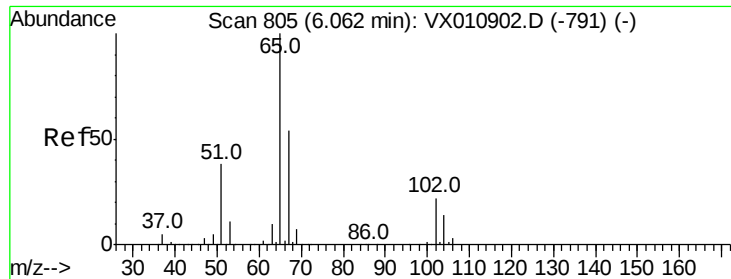
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





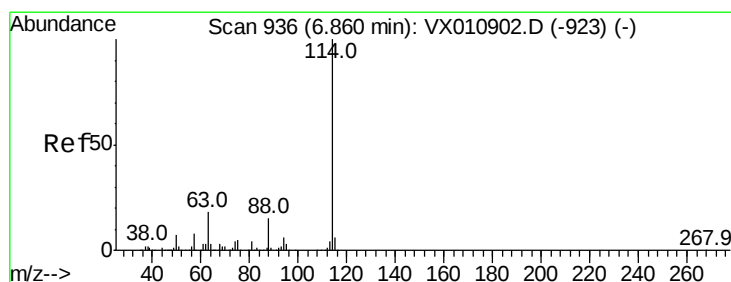
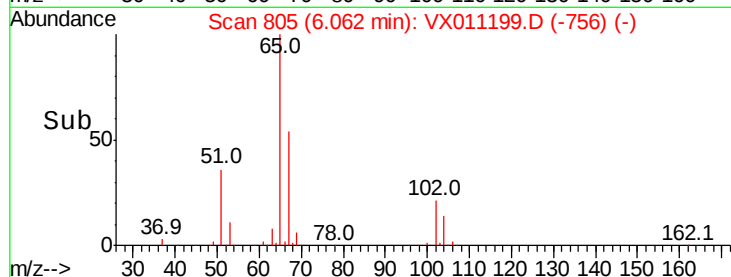
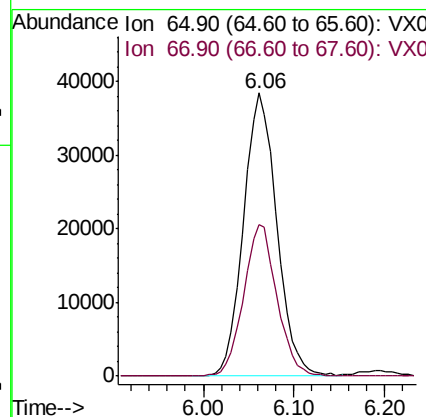
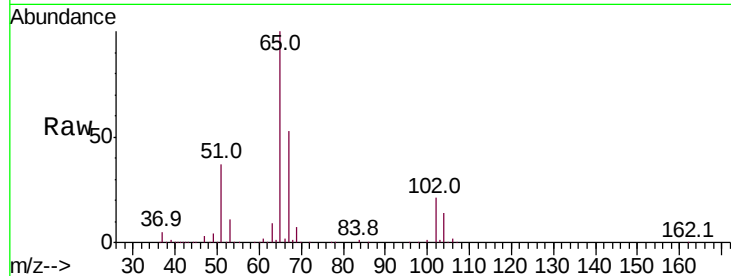
#33
 1,2-Dichloroethane-d4
 Concen: 52.161 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX011199.D
 Acq: 30 Jul 2019 16:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0730WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	107.8

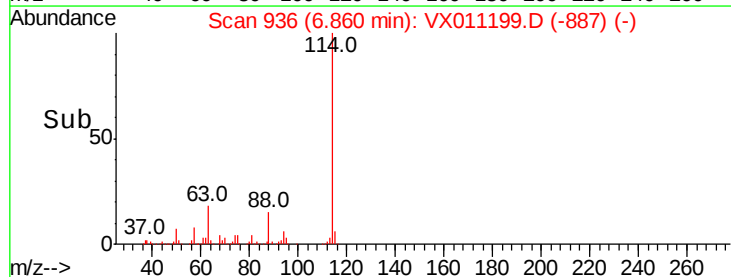
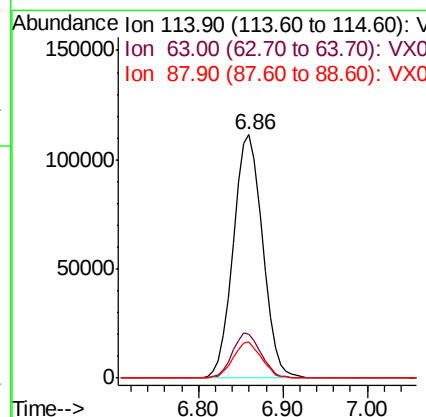
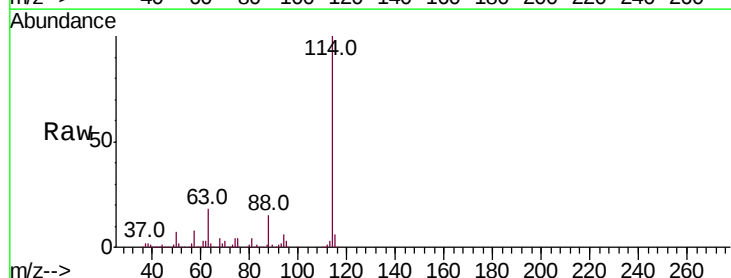
Manual Integrations
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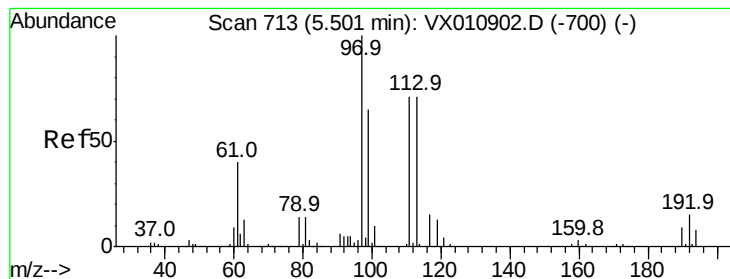
MMDadoda
 7/31/2019 10:53:50 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX011199.D
 Acq: 30 Jul 2019 16:53

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	35.6
88	14.9	0.0	29.8





#35

Dibromofluoromethane

Concen: 52.333 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX011199.D

Acq: 30 Jul 2019 16:53

Instrument :

MSVOA_X

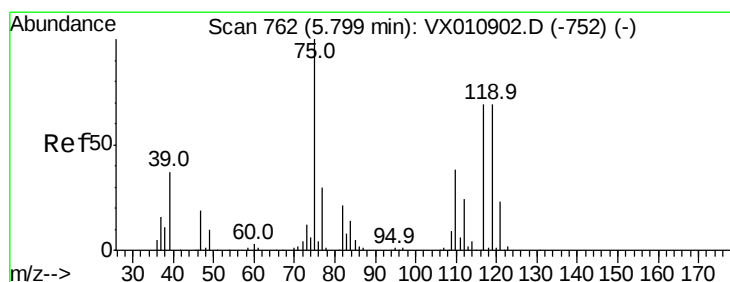
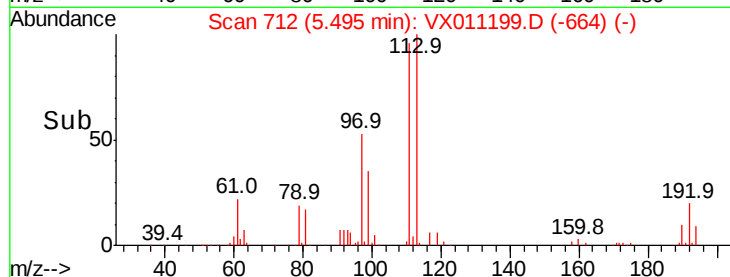
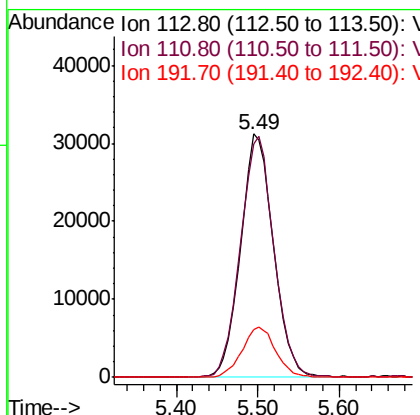
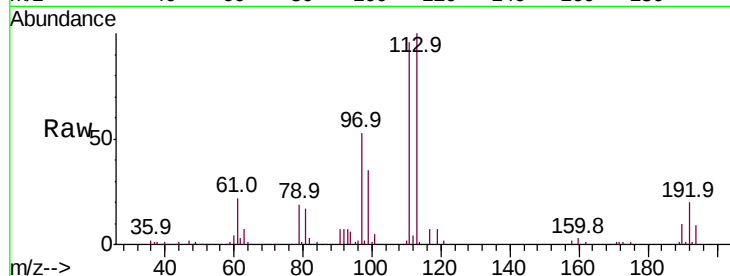
ClientSampleId :

VX0730WBSD01

Tot Ion:	113	Resp:	87459
Ion Ratio	Lower	Upper	
113	100		
111	101.0	82.3	123.5
192	21.2	17.4	26.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.852 ug/l

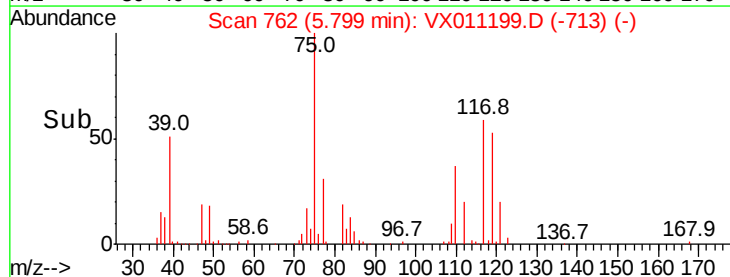
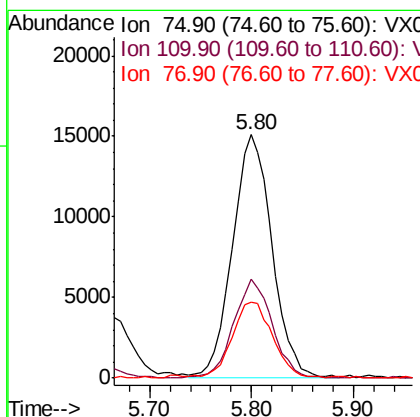
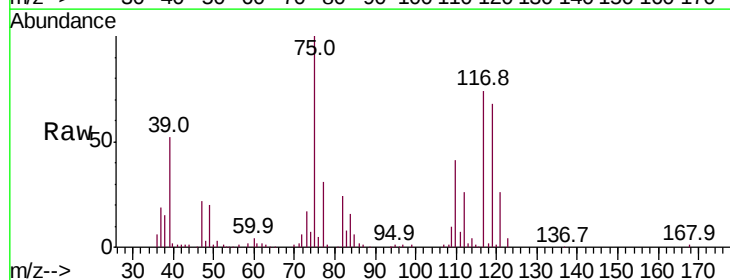
RT: 5.80 min Scan# 762

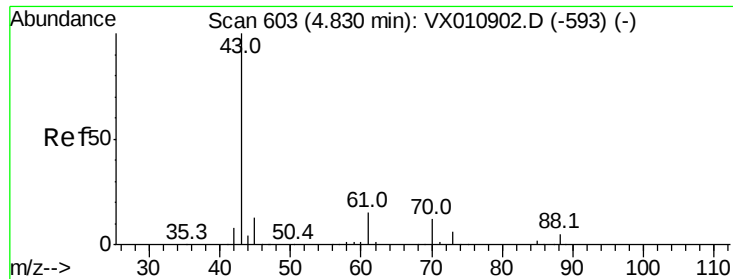
Delta R.T. -0.00 min

Lab File: VX011199.D

Acq: 30 Jul 2019 16:53

Tgt Ion:	75	Resp:	40772
Ion Ratio	Lower	Upper	
75	100		
110	39.6	19.9	59.7
77	31.7	25.0	37.4





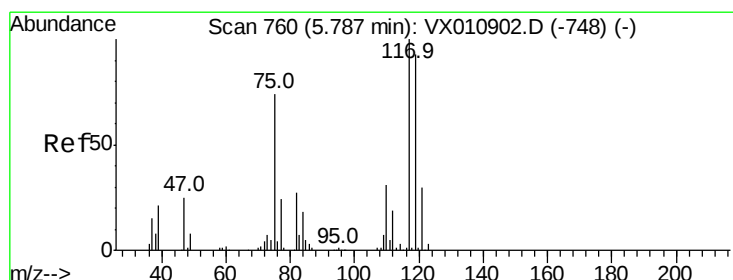
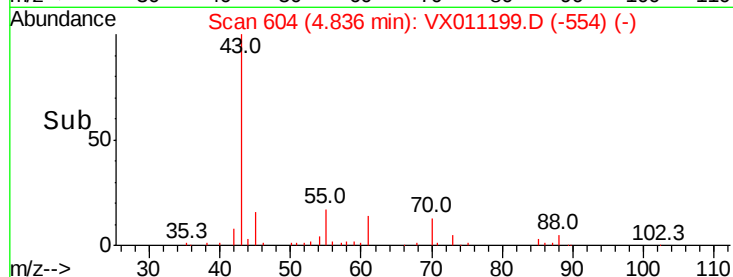
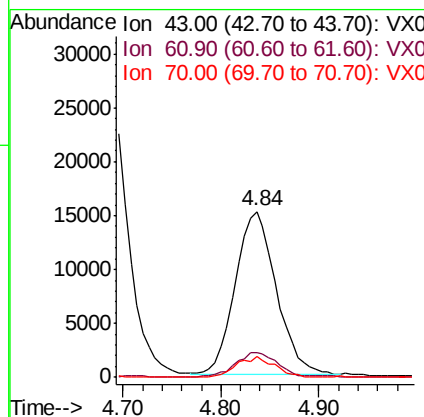
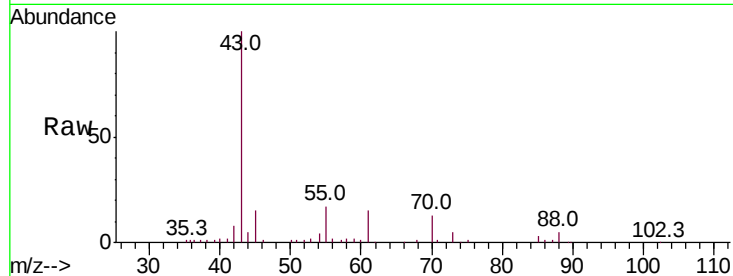
#37
Ethyl Acetate
Concen: 19.995 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX011199.D
Acq: 30 Jul 2019 16:53

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.7	11.6	17.4
70	11.9	9.1	13.7

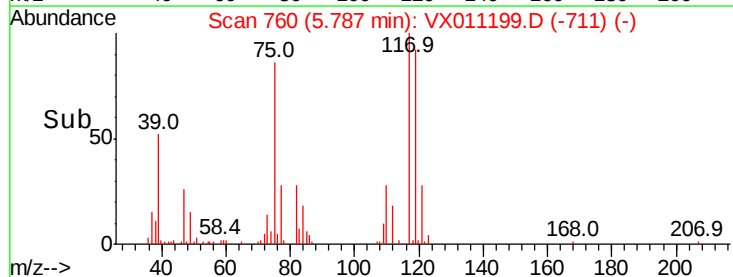
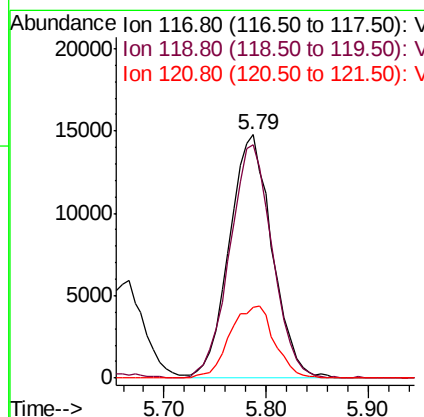
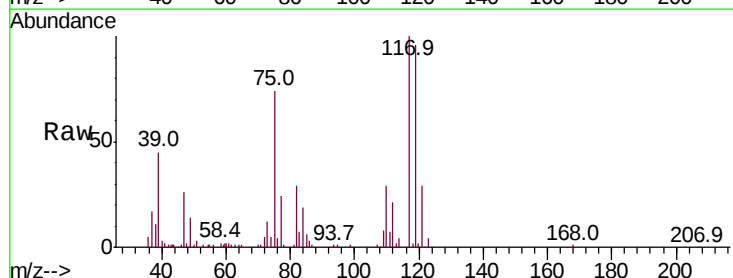
Manual Integrations
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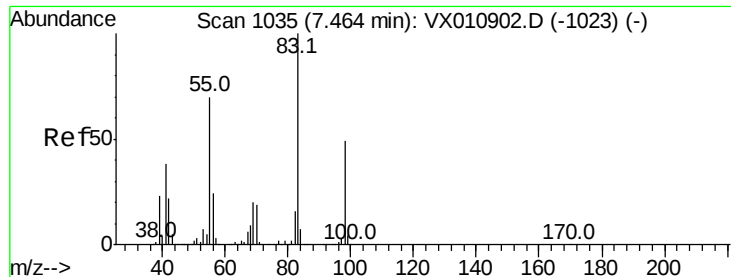
MMDadoda
7/31/2019 10:53:50 AM



#38
Carbon Tetrachloride
Concen: 19.064 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX011199.D
Acq: 30 Jul 2019 16:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	74.2	111.2
121	28.9	24.2	36.2





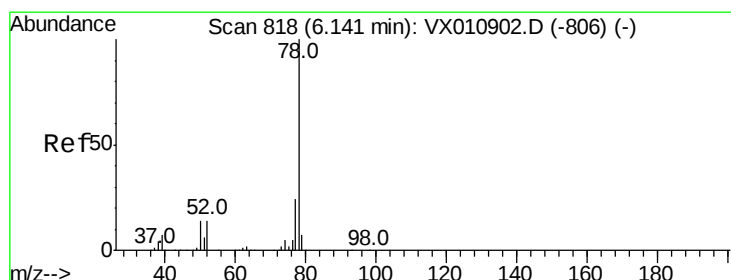
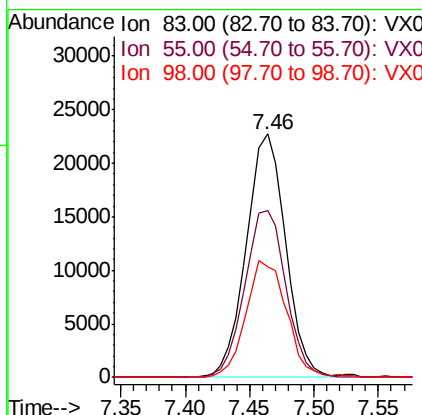
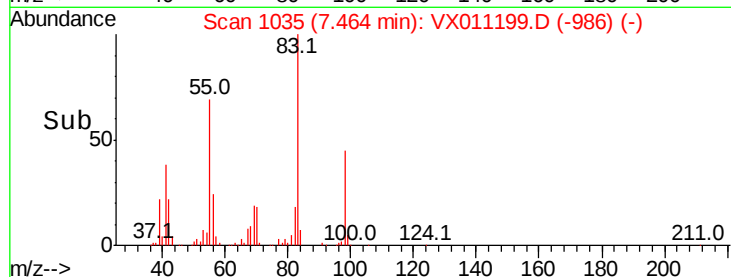
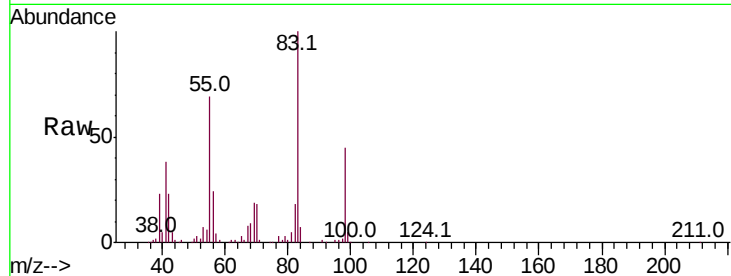
#39
Methvlcvclohexane
Concen: 17.163 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX011199.D
Acq: 30 Jul 2019 16:53

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.5	56.2	84.4
98	45.5	39.0	58.4

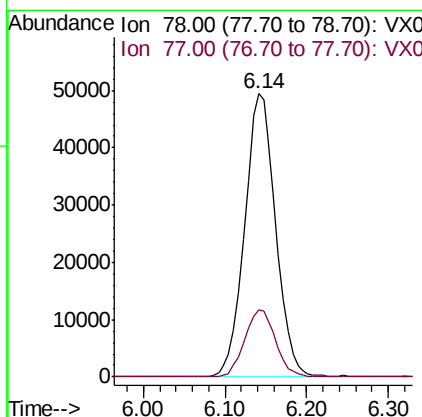
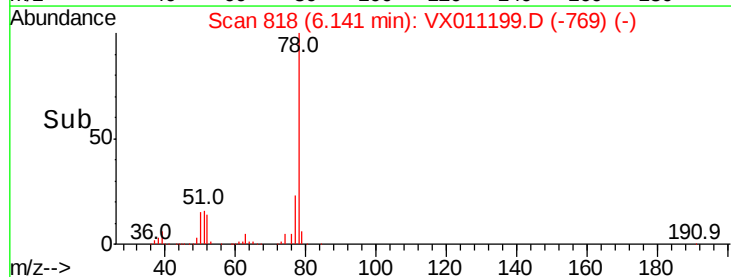
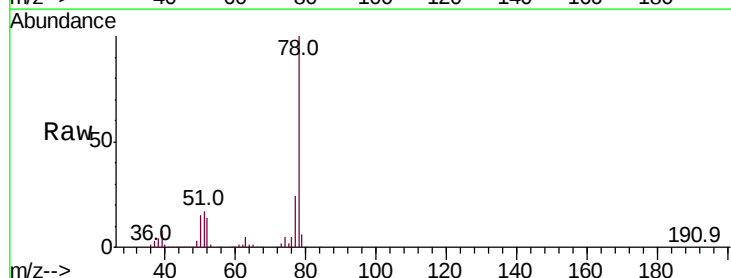
Manual Integrations
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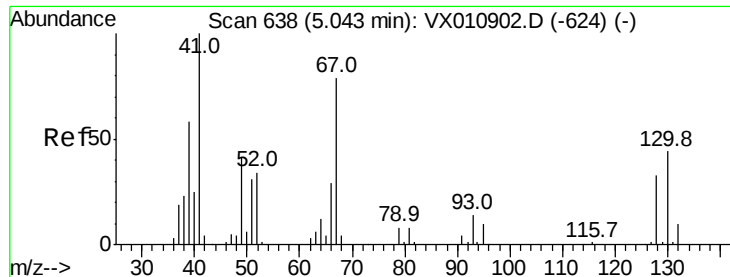
MMDadoda
7/31/2019 10:53:50 AM



#40
Benzene
Concen: 19.685 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX011199.D
Acq: 30 Jul 2019 16:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.6





#41

Methacrylonitrile

Concen: 20.360 ug/l

RT: 5.05 min Scan# 639

Delta R.T. 0.01 min

Lab File: VX011199.D

Acq: 30 Jul 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBSD01

Tot Ion: 41 Resp: 25596

Ion Ratio Lower Upper

41 100

39 50.4 45.4 68.2

67 77.8 65.9 98.9

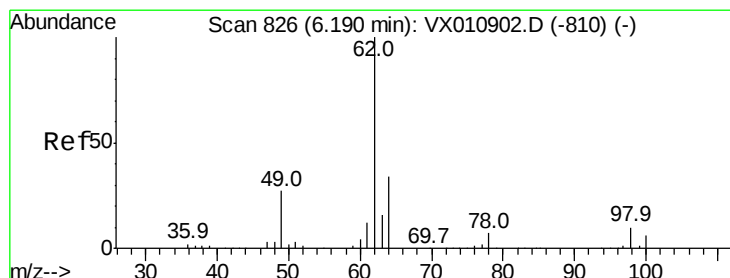
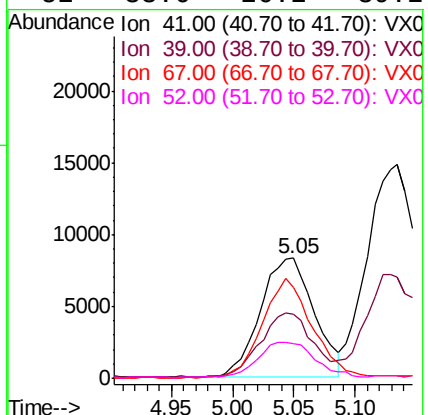
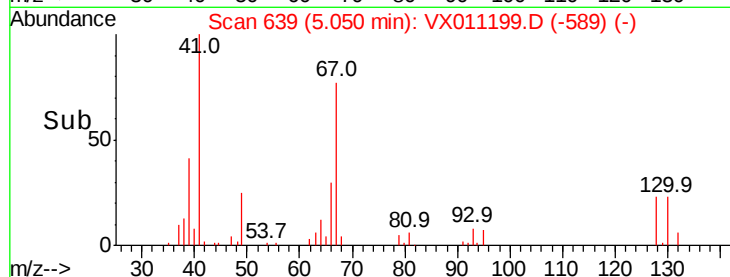
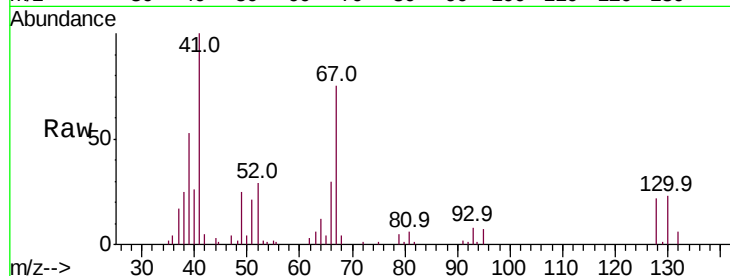
52 33.6 26.2 39.2

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 20.251 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.00 min

Lab File: VX011199.D

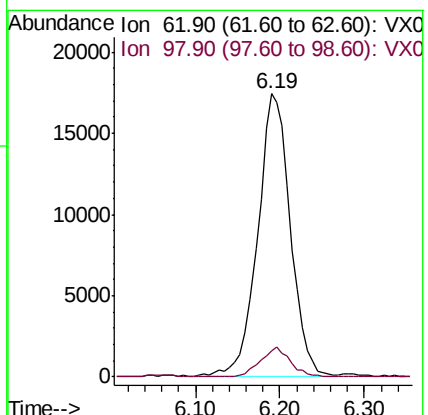
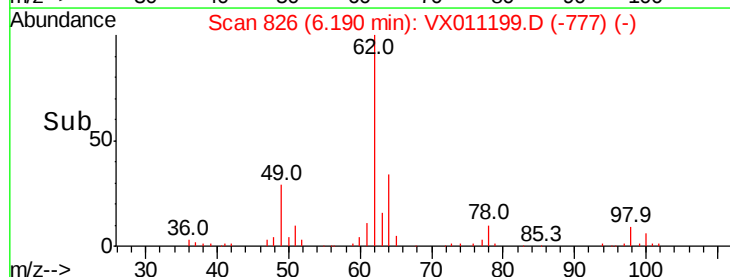
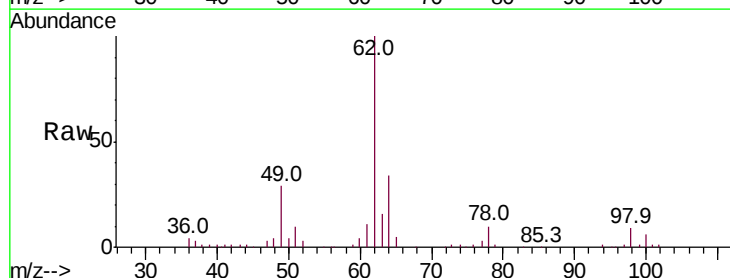
Acq: 30 Jul 2019 16:53

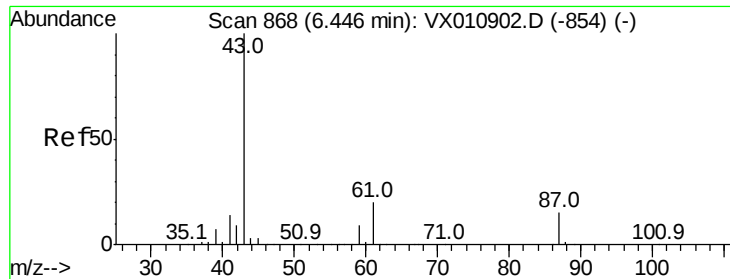
Tgt Ion: 62 Resp: 46648

Ion Ratio Lower Upper

62 100

98 9.7 0.0 20.0





#43

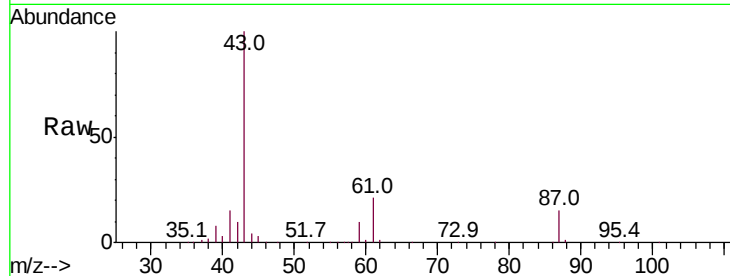
Isopropyl Acetate
 Concen: 19.470 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX011199.D
 Acq: 30 Jul 2019 16:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0730WBSD01

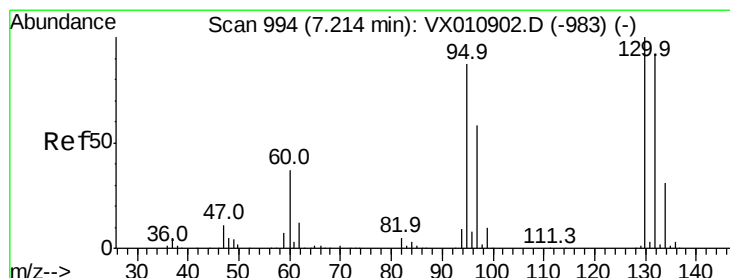
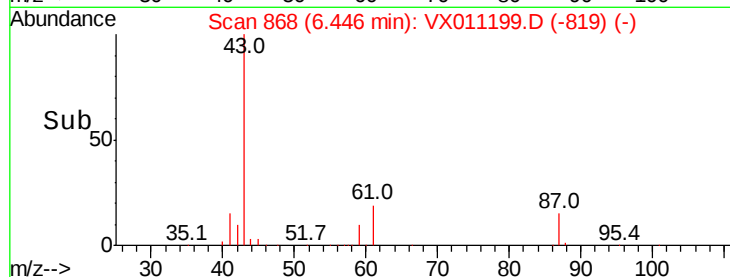
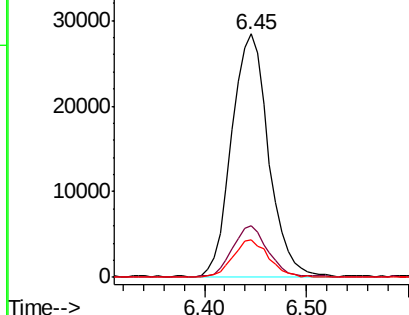
Tot Ion	43	61	87
Ion	43	61	87
Ratio	100	20.4	15.2
Lower		17.1	12.0
Upper		25.7	18.0

Manual Integrations
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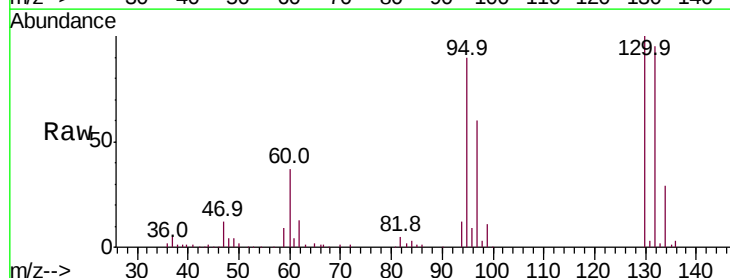
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



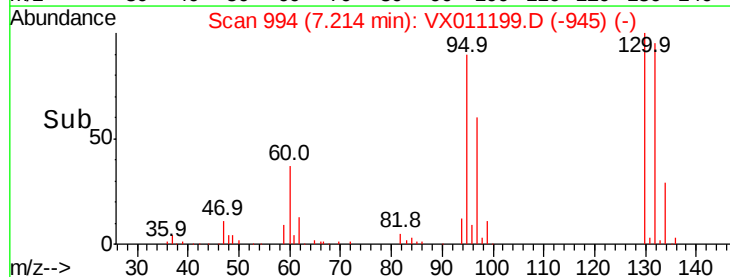
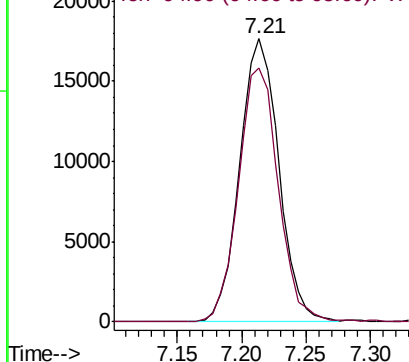
#44

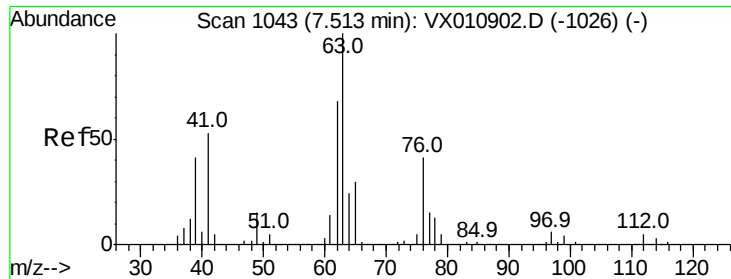
Trichloroethene
 Concen: 18.974 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX011199.D
 Acq: 30 Jul 2019 16:53

Tgt Ion	130	95
Ion	130	95
Ratio	100	89.5
Lower		0.0
Upper		174.8



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 19.944 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX011199.D

Acq: 30 Jul 2019 16:53

Instrument :

MSVOA_X

ClientSampled :

VX0730WBSD01

Tot Ion: 63 Resp: 33628

Ion Ratio Lower Upper

63 100

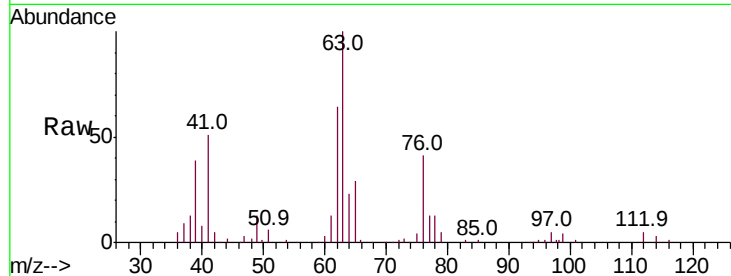
65 28.8 24.4 36.6

Manual Integrations

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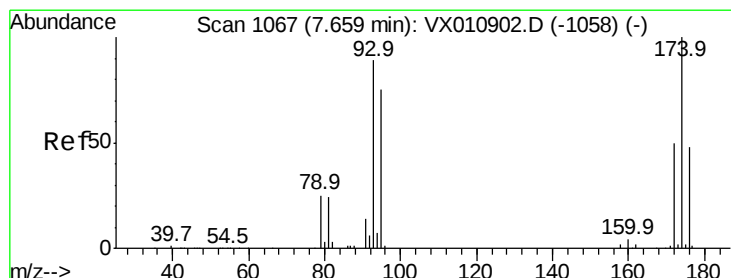
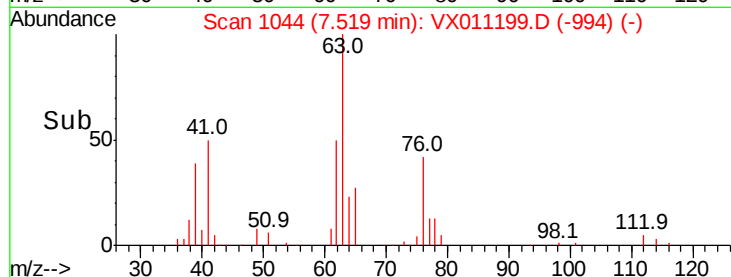
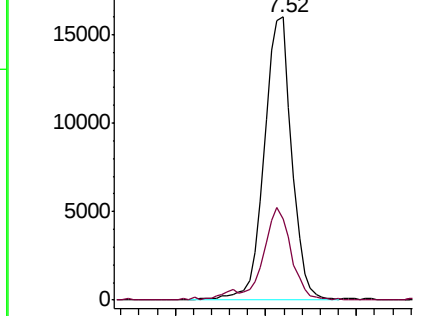
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 20.054 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX011199.D

Acq: 30 Jul 2019 16:53

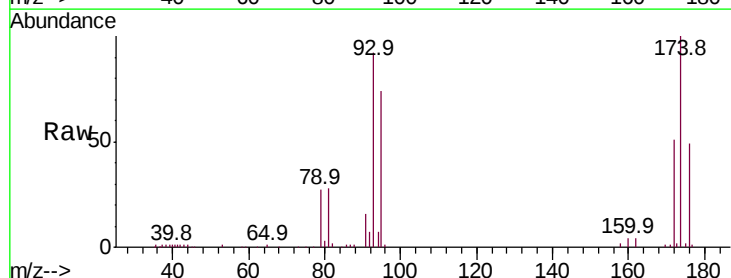
Tgt Ion: 93 Resp: 24162

Ion Ratio Lower Upper

93 100

95 82.8 67.2 100.8

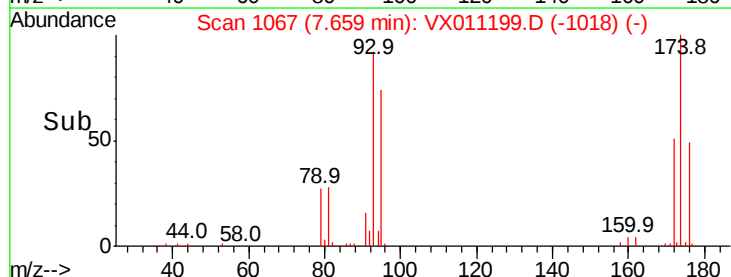
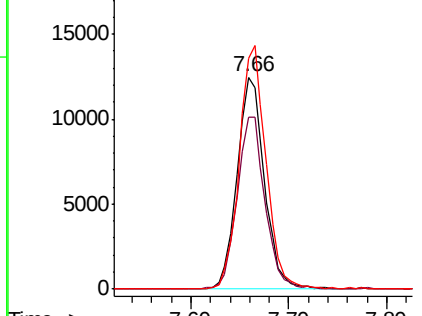
174 112.4 90.6 135.8

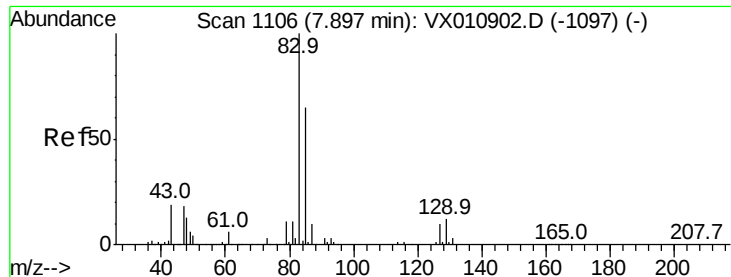


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.720 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX011199.D

Acq: 30 Jul 2019 16:53

Instrument :

MSVOA_X

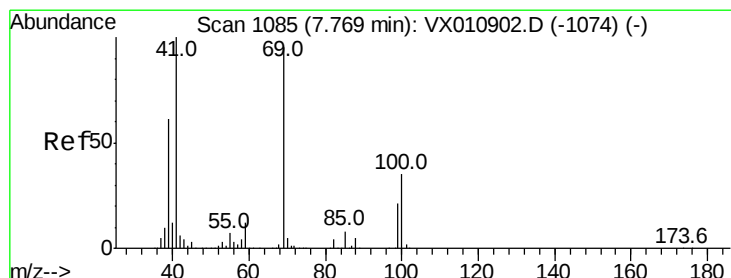
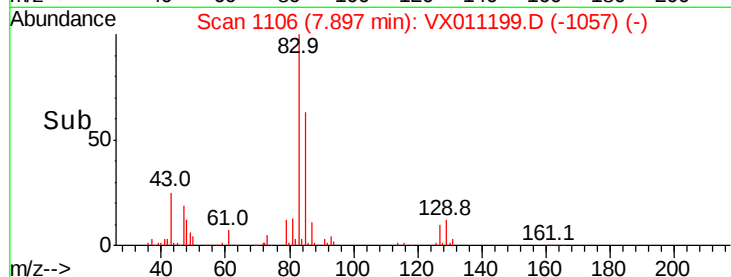
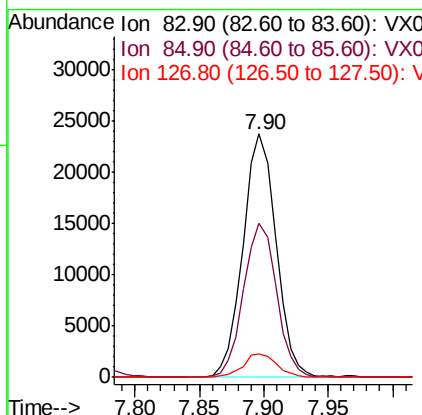
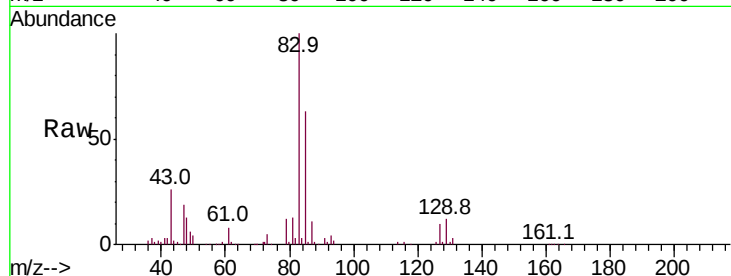
ClientSampleId :

VX0730WBSD01

Tot Ion:	83	Resp:	42294
Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.5	78.7
127	9.8	7.8	11.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.665 ug/l

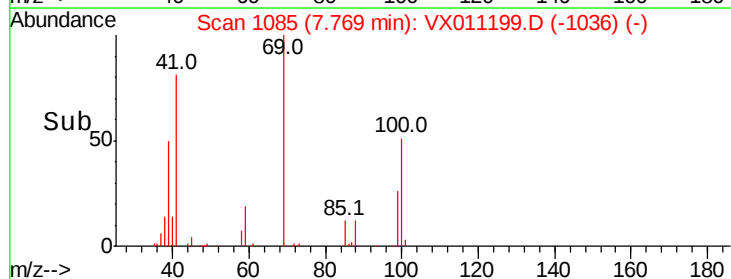
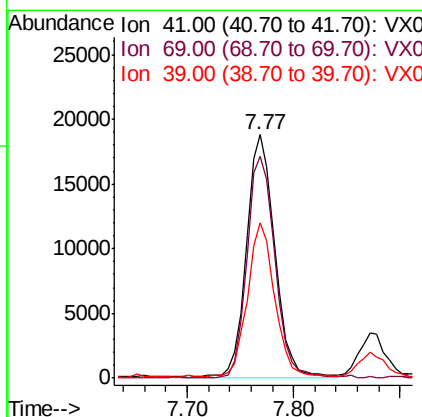
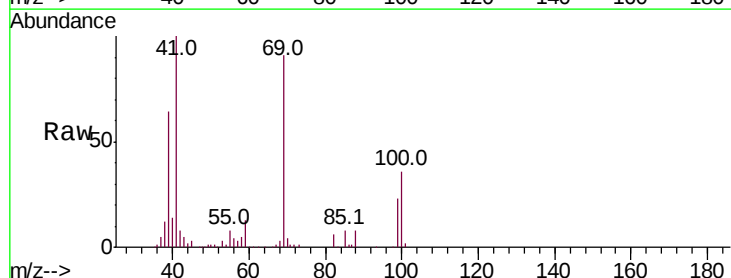
RT: 7.77 min Scan# 1085

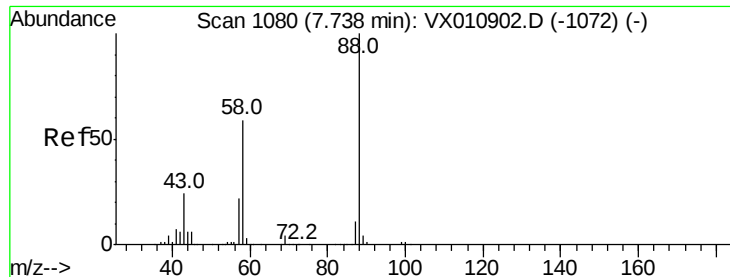
Delta R.T. -0.00 min

Lab File: VX011199.D

Acq: 30 Jul 2019 16:53

Tgt Ion:	41	Resp:	34884
Ion	Ratio	Lower	Upper
41	100		
69	90.8	74.4	111.6
39	61.3	48.9	73.3





#49

1,4-Dioxane

Concen: 417.386 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VX011199.D

Acq: 30 Jul 2019 16:53

Instrument :

MSVOA_X

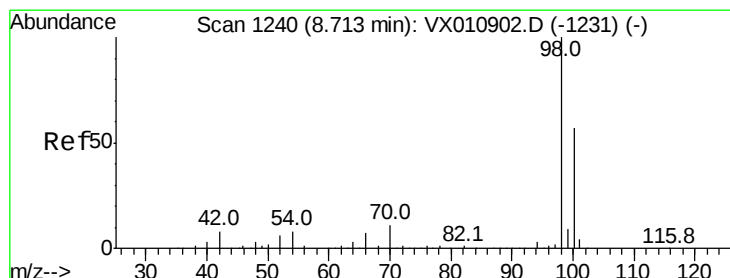
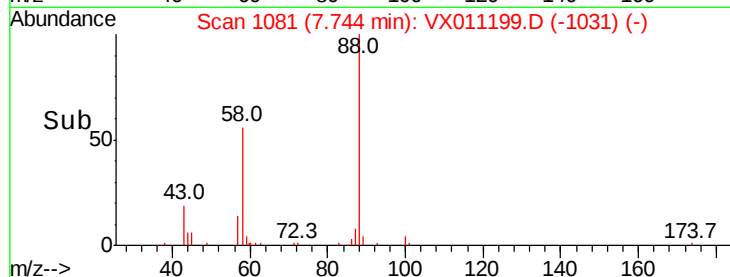
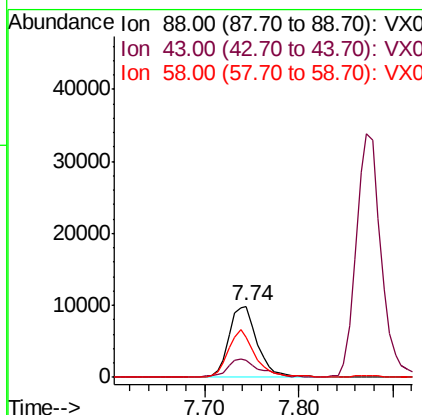
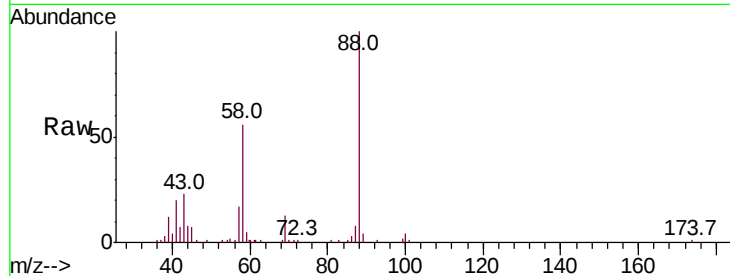
ClientSampleId :

VX0730WBSD01

Tot Ion:	88	Resp:	20711
Ion	Ratio	Lower	Upper
88	100		
43	27.0	22.9	34.3
58	63.3	49.8	74.8

Manual Integrations
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#50

Toluene-d8

Concen: 51.120 ug/l

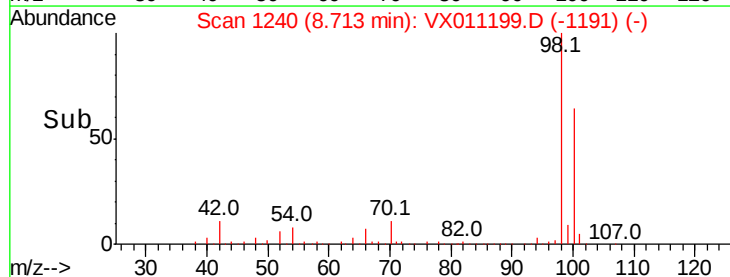
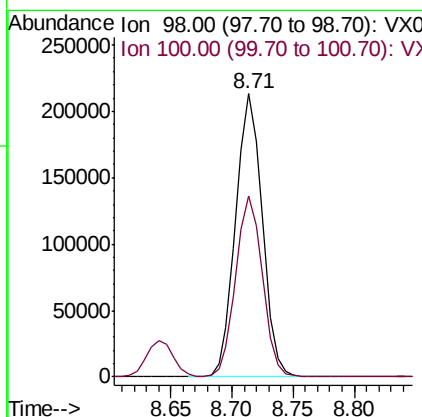
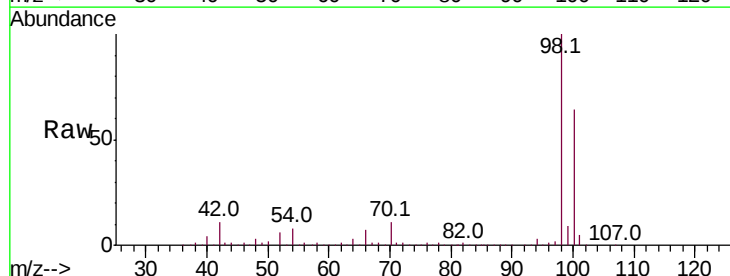
RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011199.D

Acq: 30 Jul 2019 16:53

Tgt Ion:	98	Resp:	320424
Ion	Ratio	Lower	Upper
98	100		
100	64.1	50.6	75.8





#51

4-Methyl-2-Pentanone

Concen: 106.843 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX011199.D

Acq: 30 Jul 2019 16:53

Instrument :

MSVOA_X

ClientSampled :

VX0730WBSD01

Tot Ion: 43 Resp: 252205

Ion Ratio Lower Upper

43 100

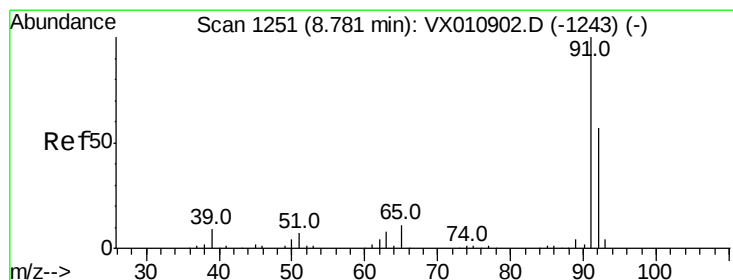
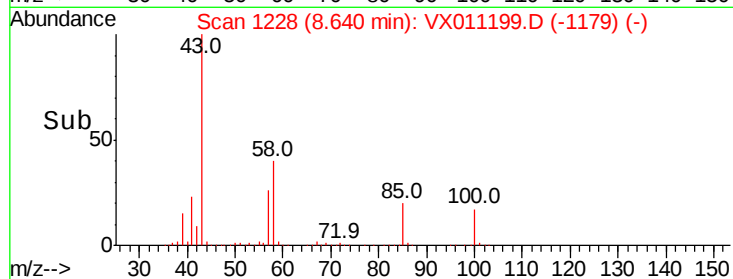
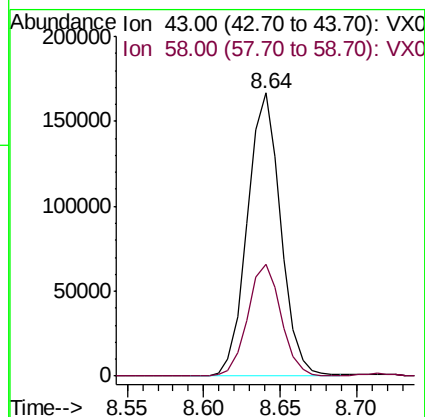
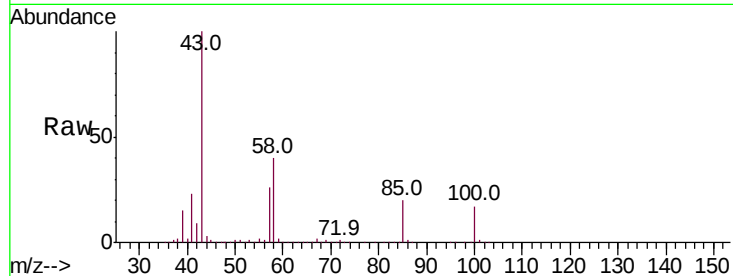
58 39.8 32.2 48.4

Manual Integrations

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#52

Toluene

Concen: 19.473 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX011199.D

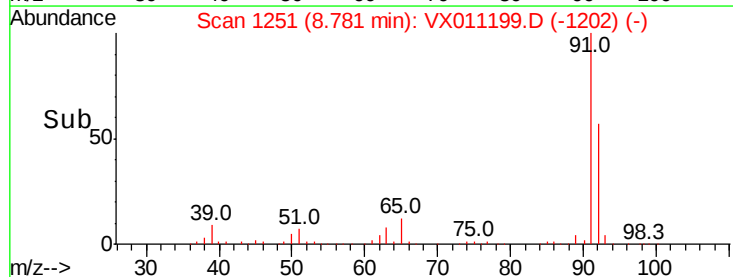
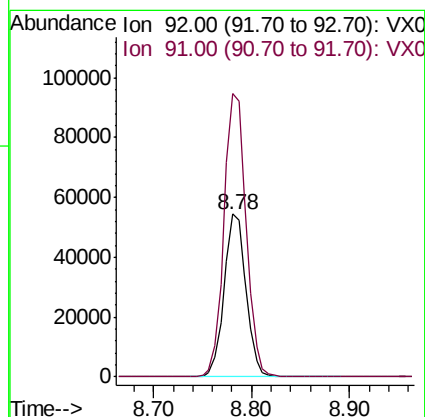
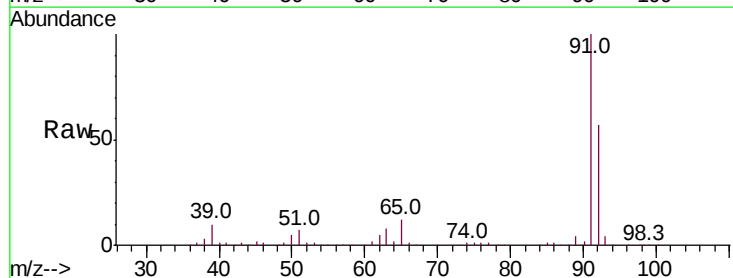
Acq: 30 Jul 2019 16:53

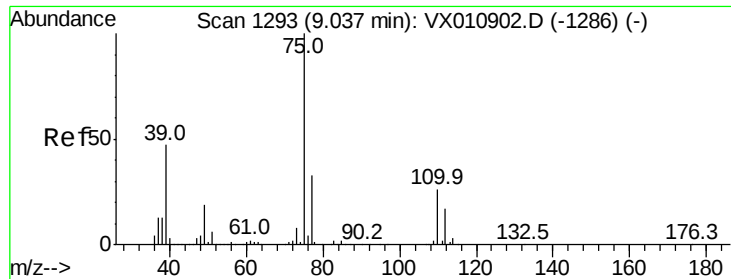
Tgt Ion: 92 Resp: 84747

Ion Ratio Lower Upper

92 100

91 175.5 139.4 209.0





#53

t-1,3-Dichloropropene

Concen: 18.014 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VX011199.D

Acq: 30 Jul 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBSD01

Tot Ion: 75 Resp: 41543

Ion Ratio Lower Upper

75 100

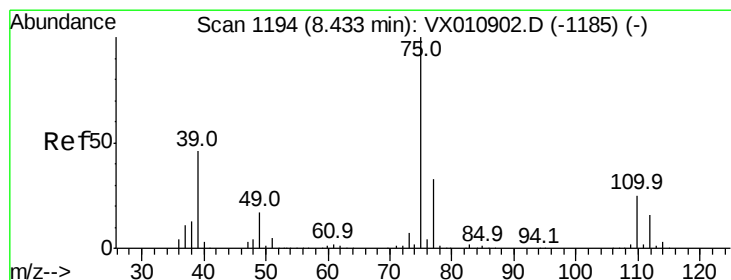
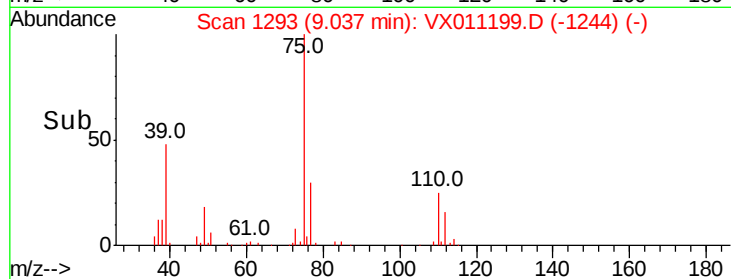
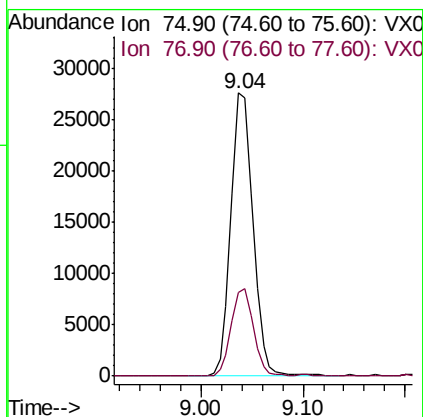
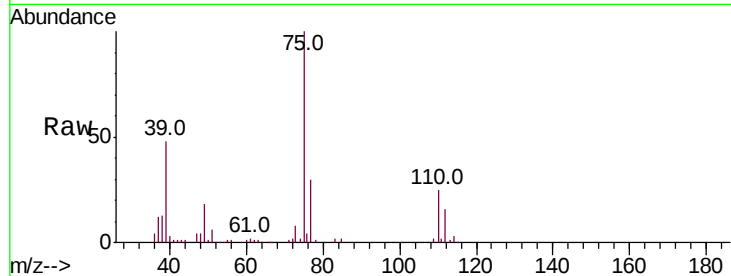
77 29.8 26.2 39.2

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#54

cis-1,3-Dichloropropene

Concen: 18.217 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX011199.D

Acq: 30 Jul 2019 16:53

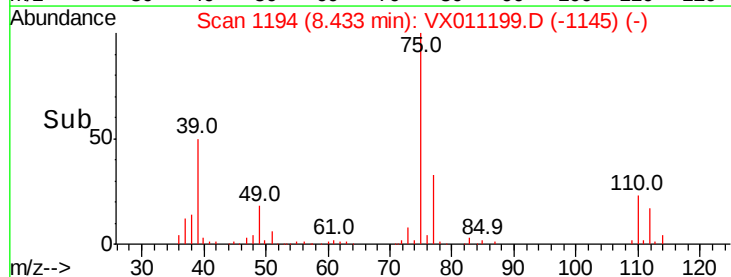
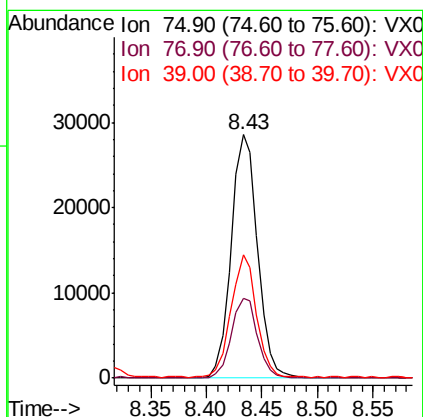
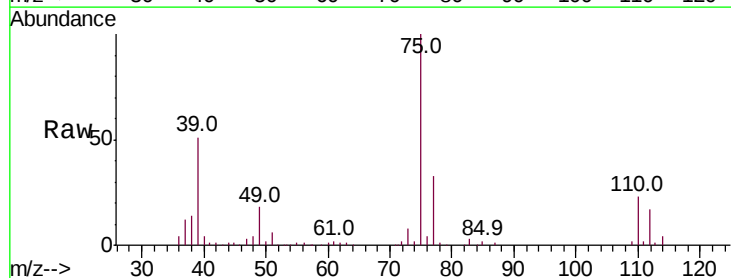
Tgt Ion: 75 Resp: 46749

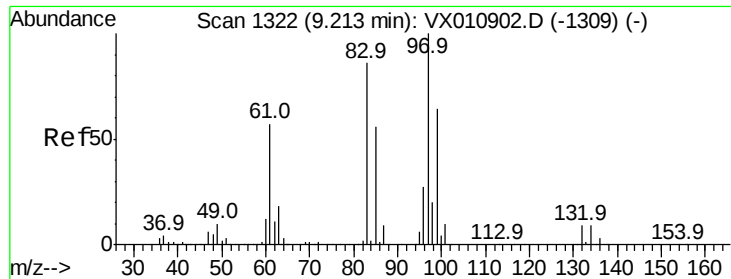
Ion Ratio Lower Upper

75 100

77 33.0 26.1 39.1

39 50.4 36.6 54.8





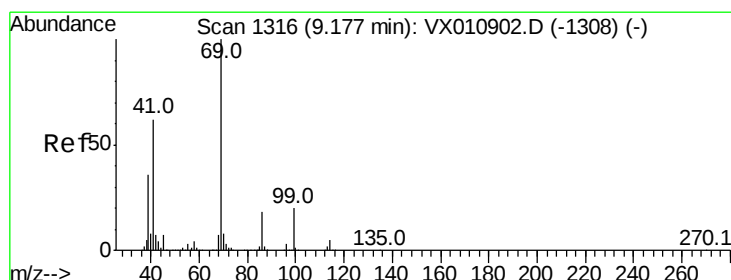
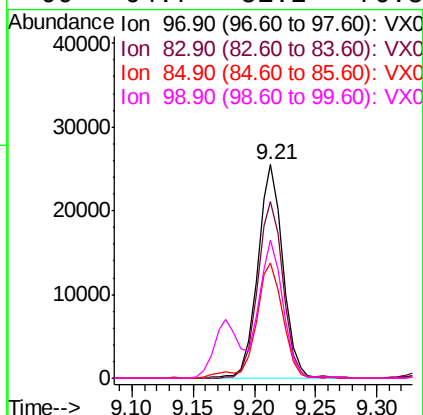
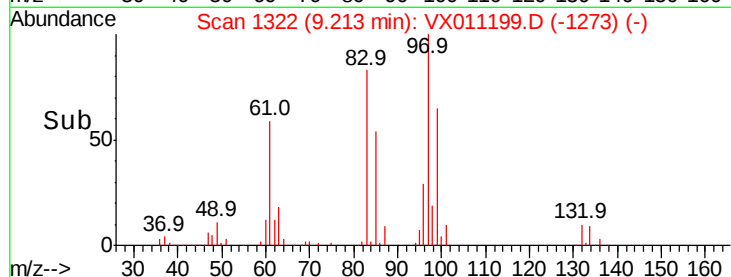
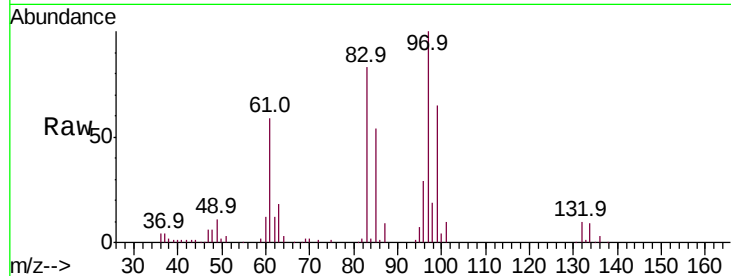
#55
 1,1,2-Trichloroethane
 Concen: 20.455 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX011199.D
 Acq: 30 Jul 2019 16:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0730WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		36655		
83	82.9	69.2	103.8		
85	54.1	44.6	66.8		
99	64.7	51.2	76.8		

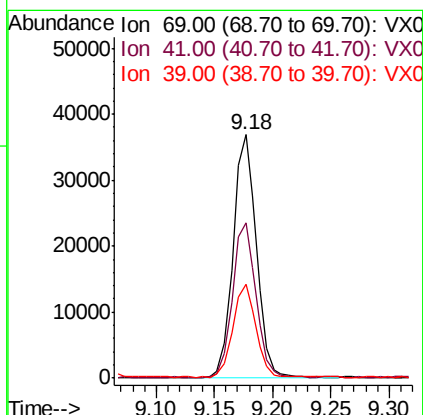
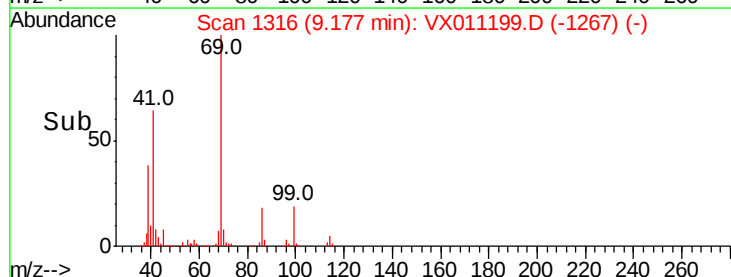
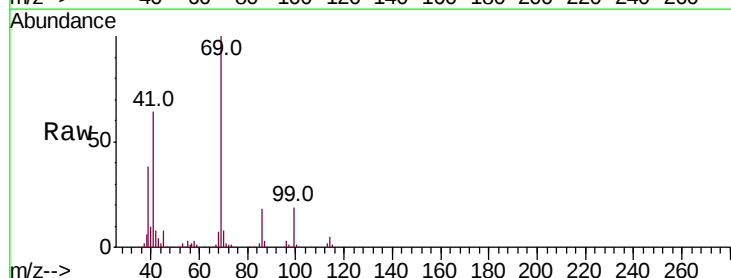
Manual Integrations
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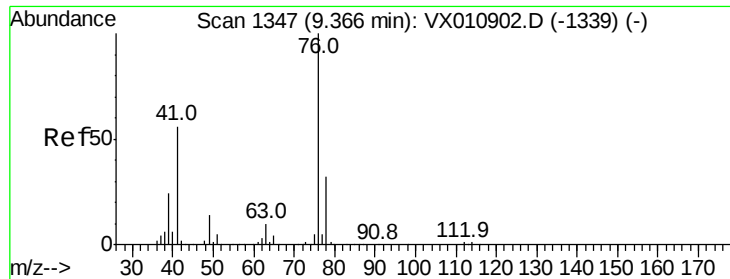
MMDadoda
 7/31/2019 10:53:50 AM



#56
 Ethyl methacrylate
 Concen: 19.694 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX011199.D
 Acq: 30 Jul 2019 16:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		51623		
41	63.9	49.7	74.5		
39	37.7	29.6	44.4		





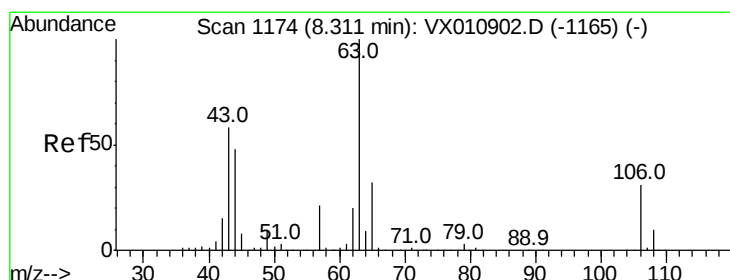
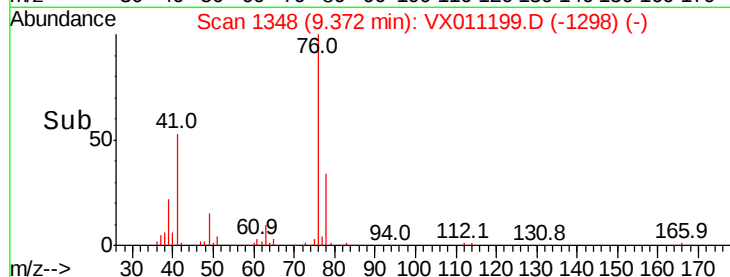
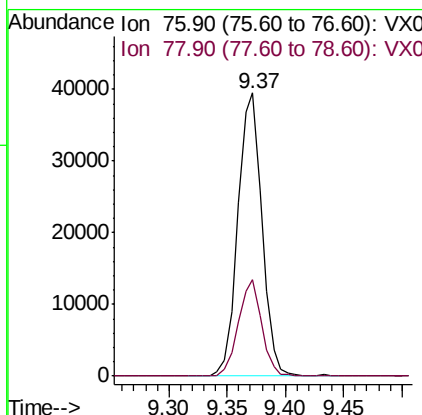
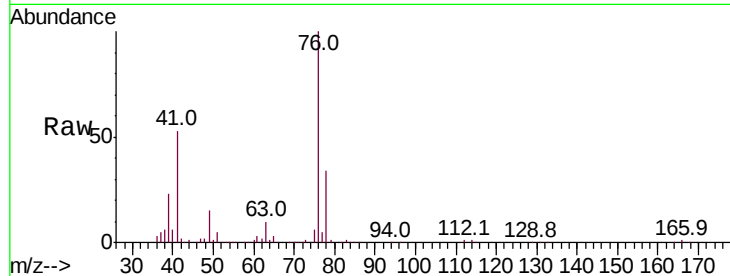
#57
 1,3-Dichloropropane
 Concen: 20.075 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.01 min
 Lab File: VX011199.D
 Acq: 30 Jul 2019 16:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0730WBSD01

Tot Ion: 76 Resp: 57068
 Ion Ratio Lower Upper
 76 100
 78 33.0 25.6 38.4

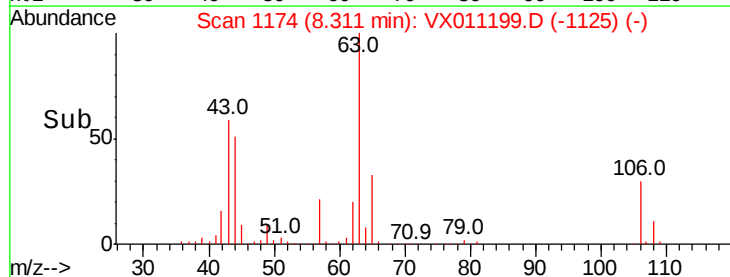
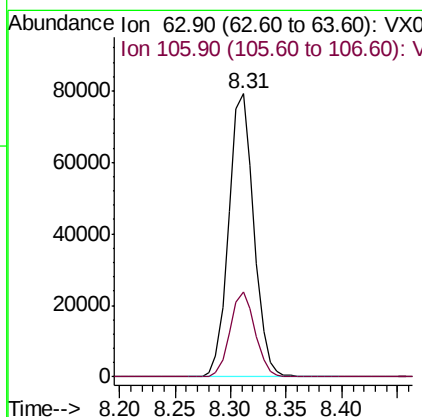
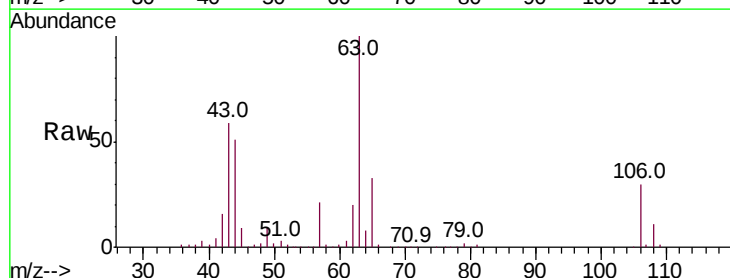
Manual Integrations
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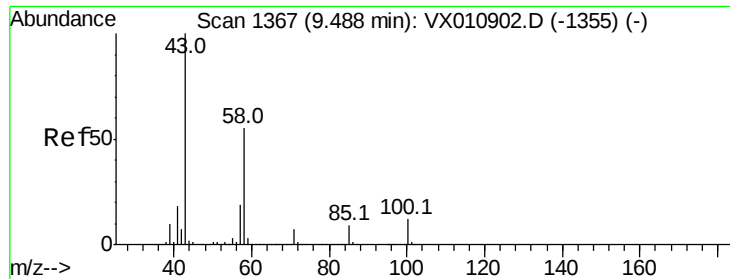
MMDadoda
 7/31/2019 10:53:50 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.919 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX011199.D
 Acq: 30 Jul 2019 16:53

Tgt Ion: 63 Resp: 123773
 Ion Ratio Lower Upper
 63 100
 106 29.8 24.0 36.0





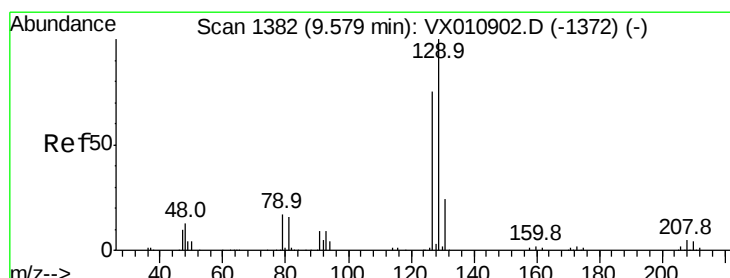
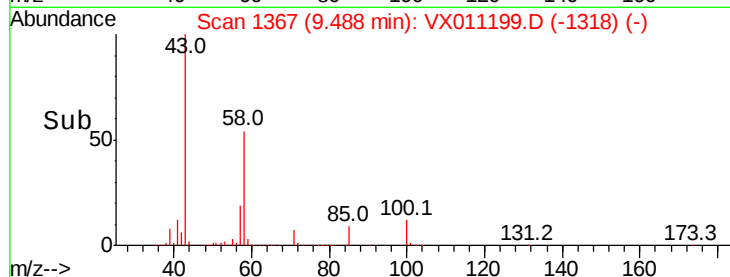
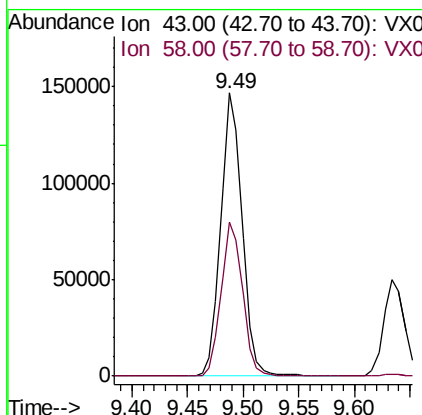
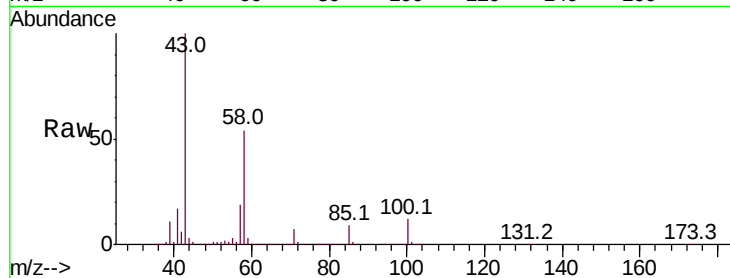
#59
2-Hexanone
Concen: 106.408 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX011199.D
Acq: 30 Jul 2019 16:53

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBSD01

Tot Ion: 43 Resp: 194818
Ion Ratio Lower Upper
43 100
58 55.0 28.0 83.9

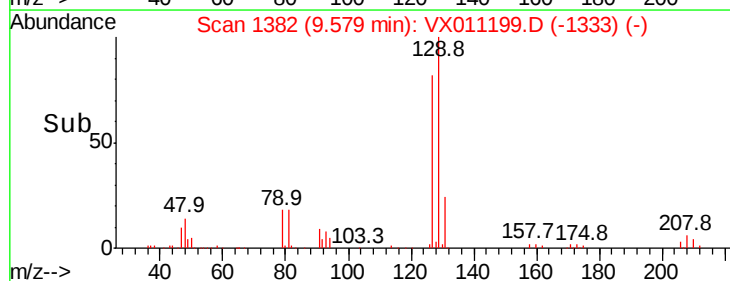
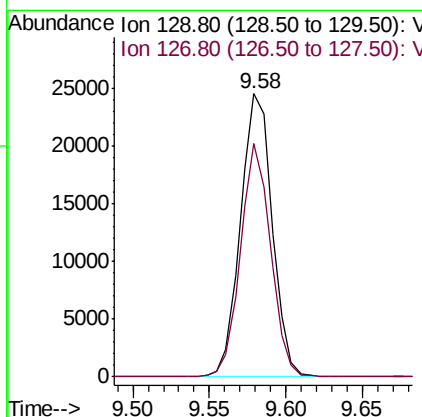
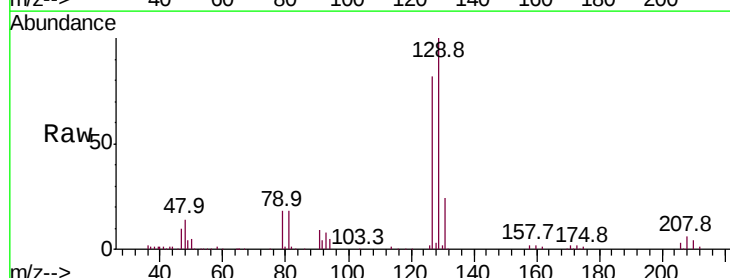
Manual Integrations
APPROVED

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#60
Dibromochloromethane
Concen: 18.842 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011199.D
Acq: 30 Jul 2019 16:53

Tgt Ion: 129 Resp: 35436
Ion Ratio Lower Upper
129 100
127 77.9 38.6 115.8





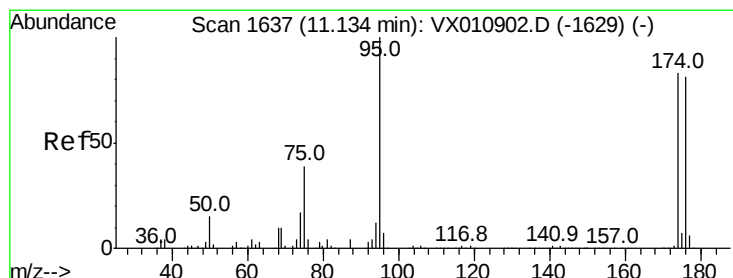
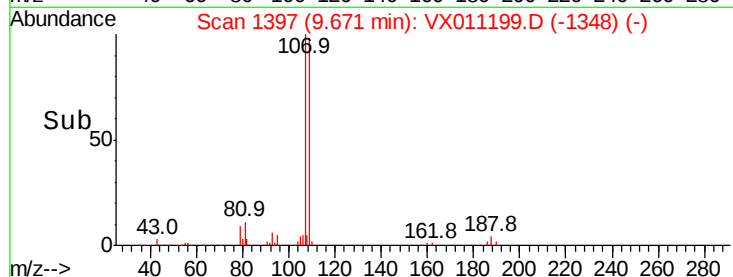
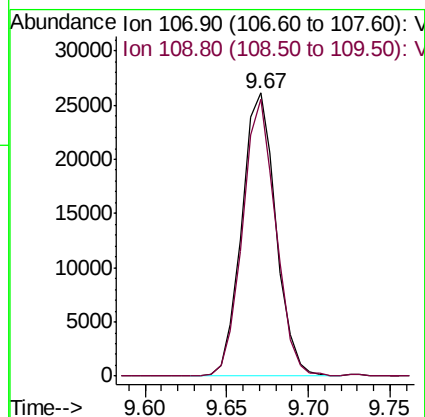
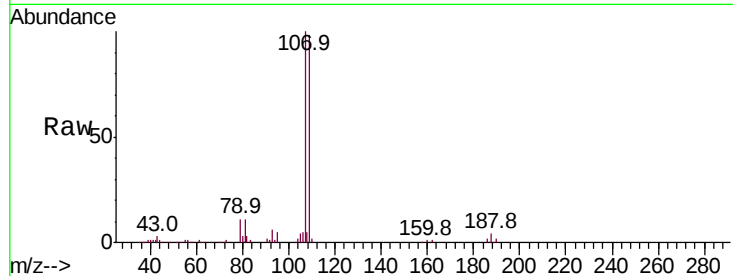
#61
1,2-Dibromoethane
Concen: 20.032 ug/l
RT: 9.67 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VX011199.D
Acq: 30 Jul 2019 16:53

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	75.4	113.0

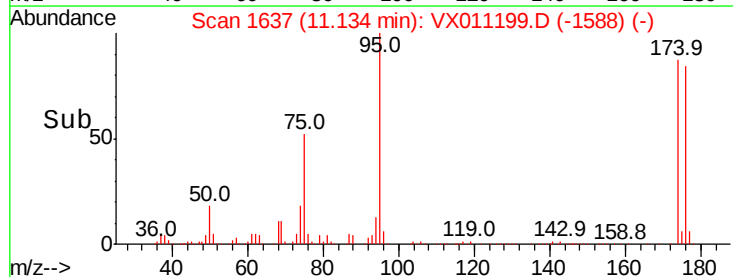
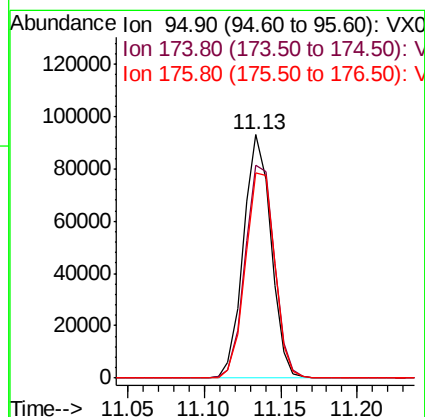
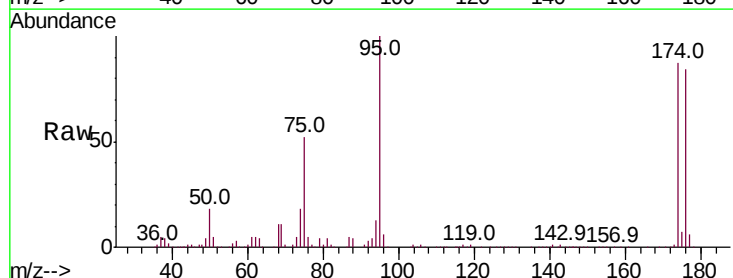
Manual Integrations
APPROVED

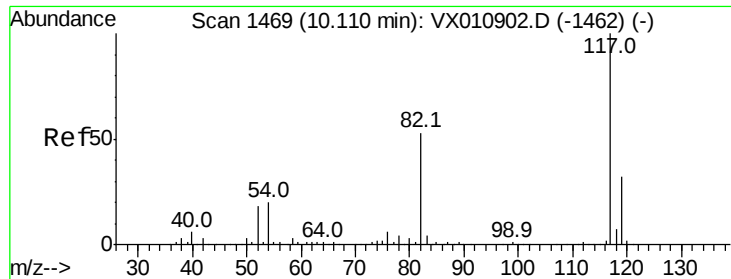
MMDadoda
7/31/2019 10:53:50 AM



#62
4-Bromofluorobenzene
Concen: 50.509 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX011199.D
Acq: 30 Jul 2019 16:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.1	0.0	180.6
176	89.6	0.0	173.8





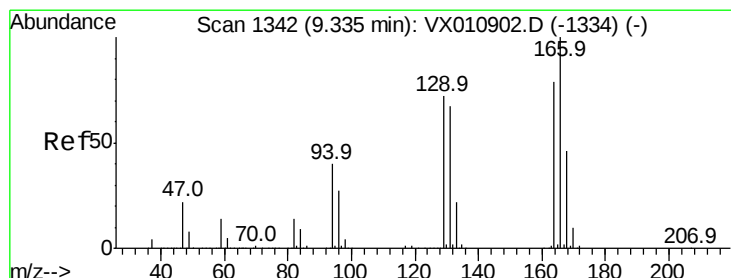
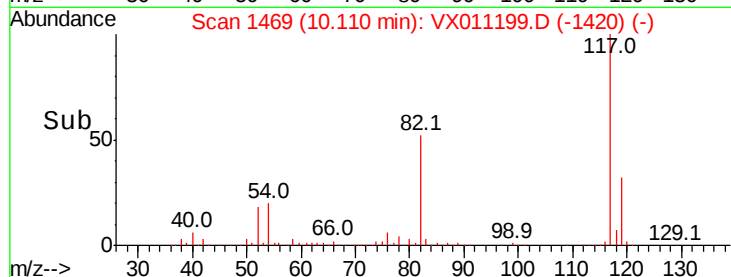
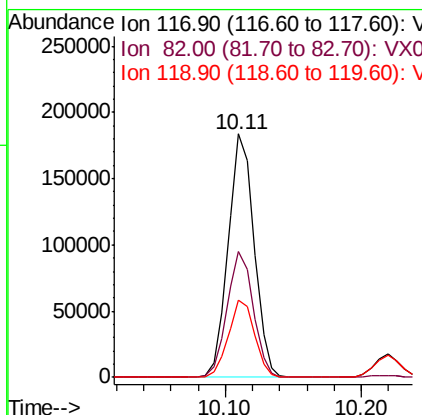
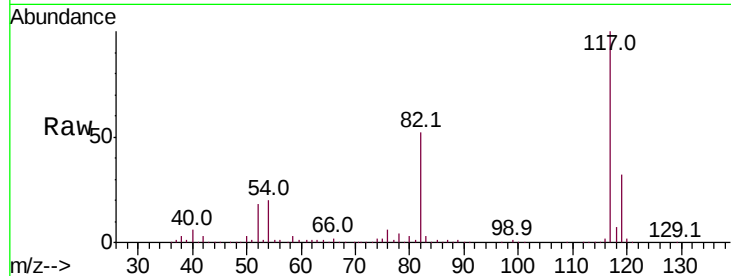
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011199.D
Acq: 30 Jul 2019 16:53

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	42.6	63.8
119	31.8	25.9	38.9

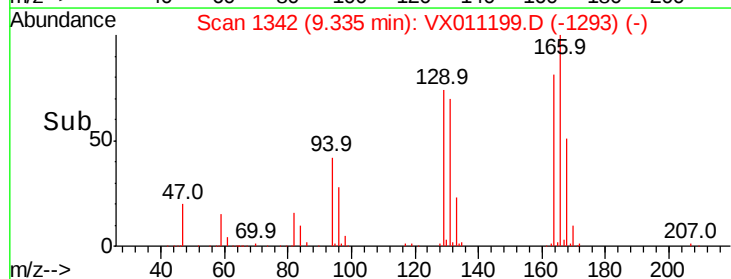
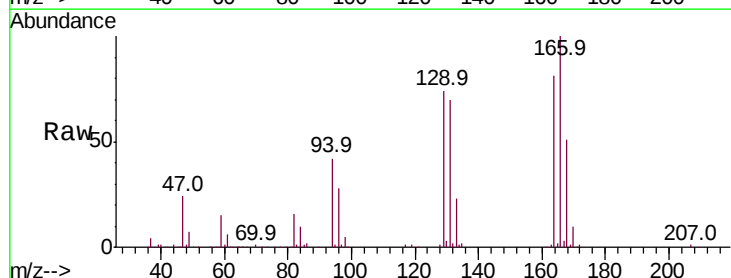
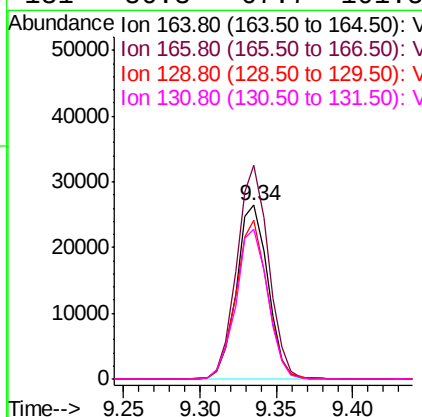
Manual Integrations
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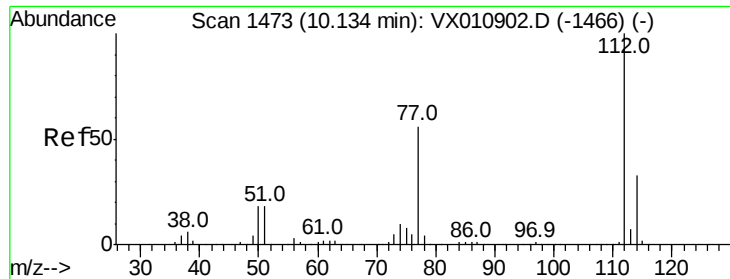
MMDadoda
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#64
Tetrachloroethene
Concen: 19.783 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX011199.D
Acq: 30 Jul 2019 16:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.9	100.8	151.2
129	91.4	72.6	109.0
131	86.3	67.7	101.5





#65

Chlorobenzene

Concen: 19.550 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX011199.D

Acq: 30 Jul 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBSD01

Tot Ion:112 Resp: 97698

Ion Ratio Lower Upper

112 100

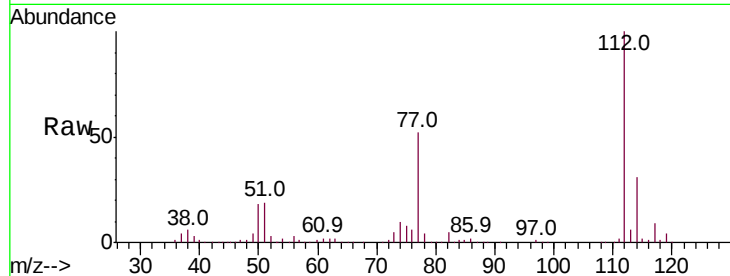
114 31.3 26.2 39.4

Manual Integrations

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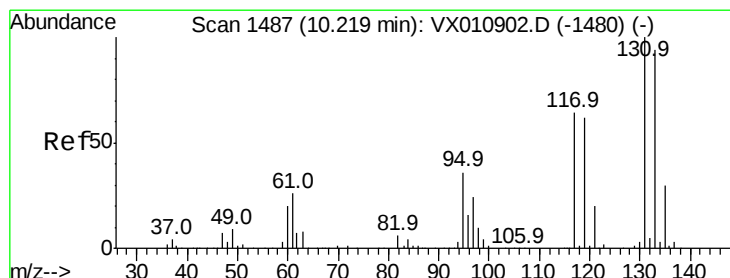
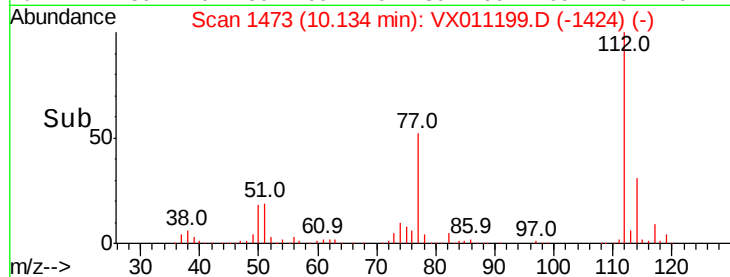
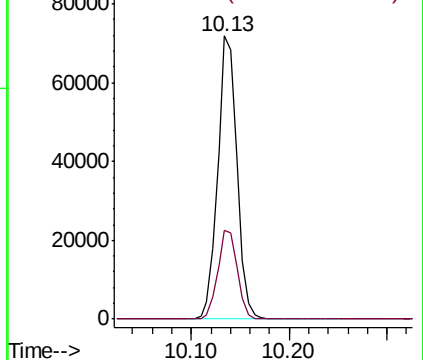
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.708 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX011199.D

Acq: 30 Jul 2019 16:53

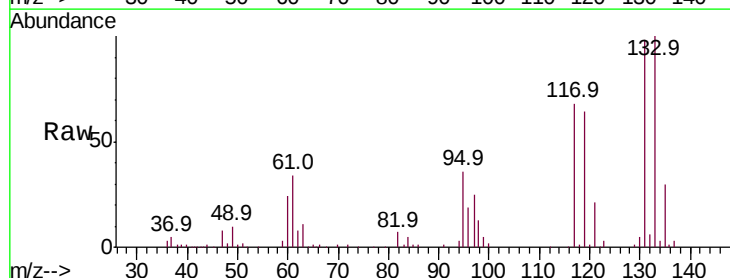
Tgt Ion:131 Resp: 34614

Ion Ratio Lower Upper

131 100

133 96.1 47.1 141.4

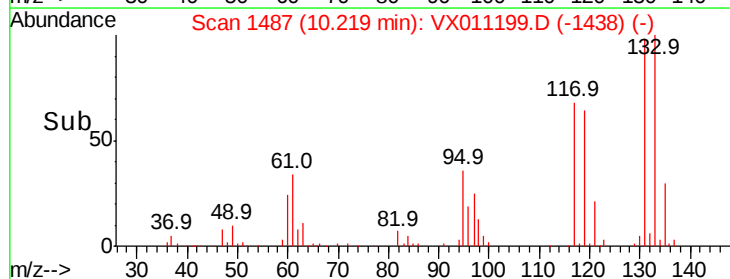
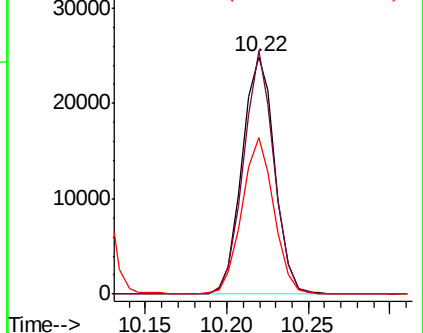
119 64.8 31.9 95.7

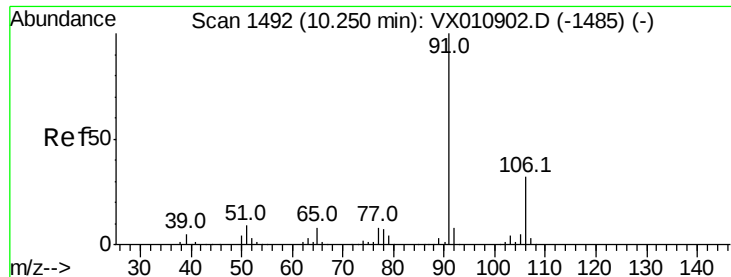


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.465 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX011199.D

Acq: 30 Jul 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBSD01

Tot Ion: 91 Resp: 165566

Ion Ratio Lower Upper

91 100

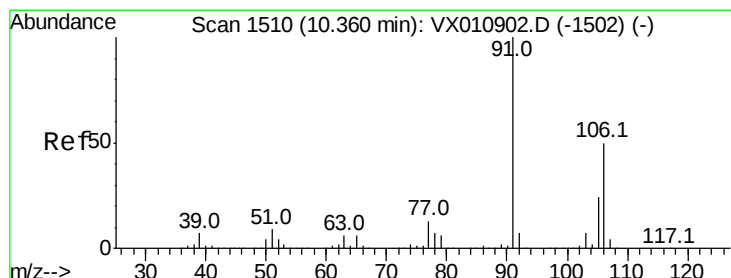
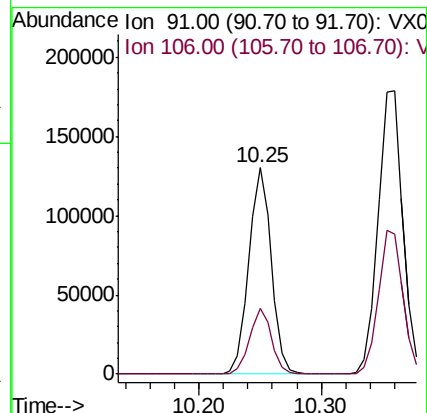
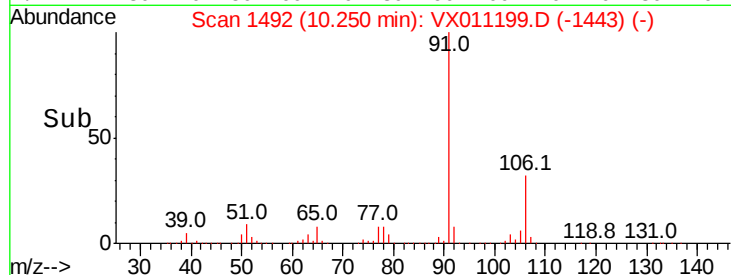
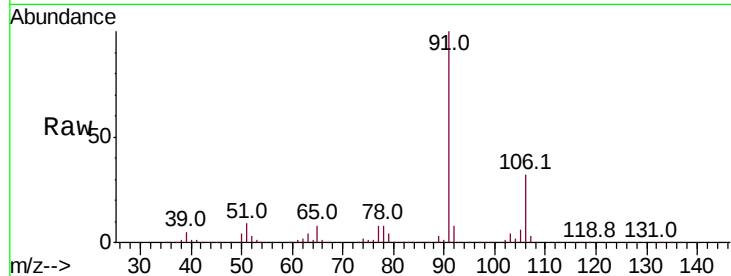
106 31.9 25.4 38.2

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#68

m/p-Xylenes

Concen: 39.109 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX011199.D

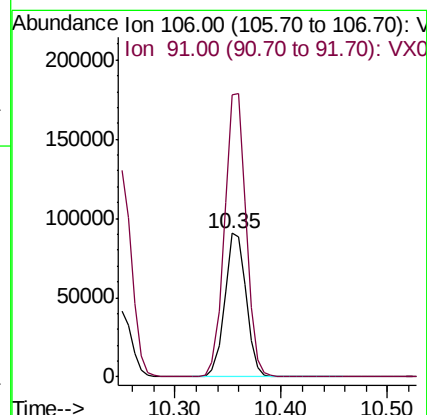
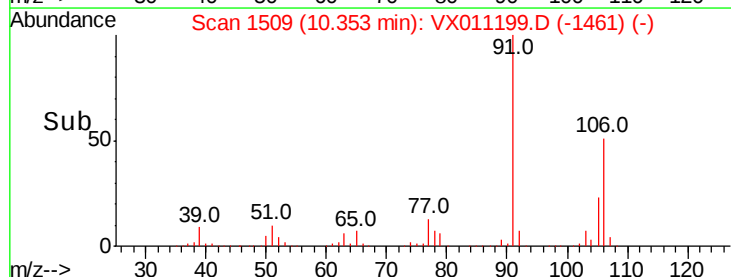
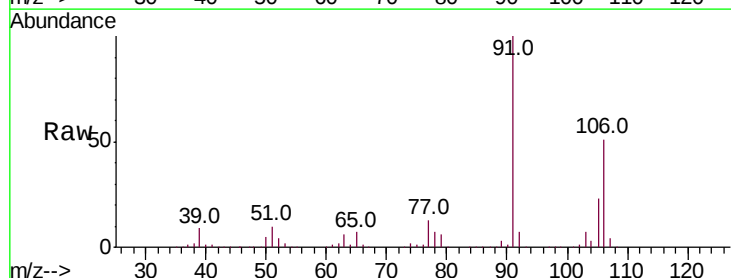
Acq: 30 Jul 2019 16:53

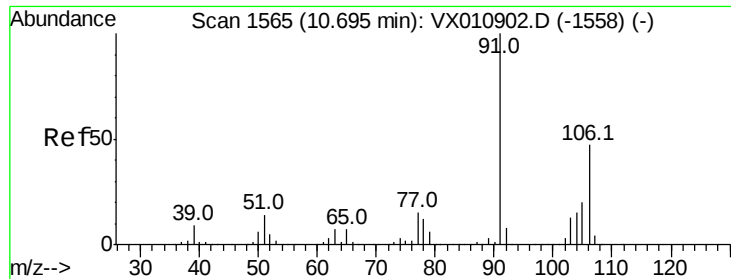
Tgt Ion: 106 Resp: 127605

Ion Ratio Lower Upper

106 100

91 197.4 160.1 240.1





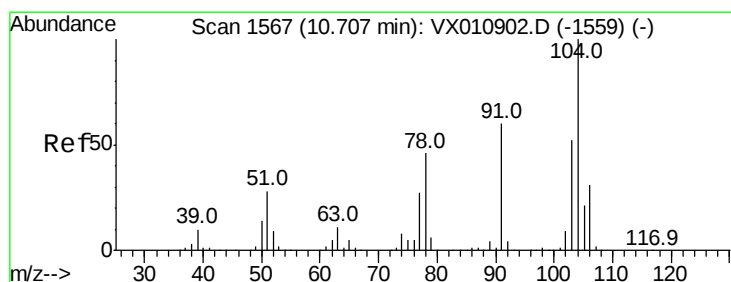
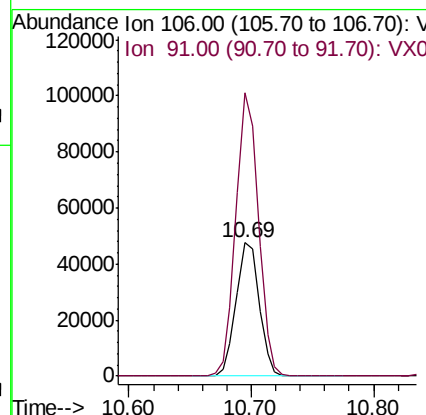
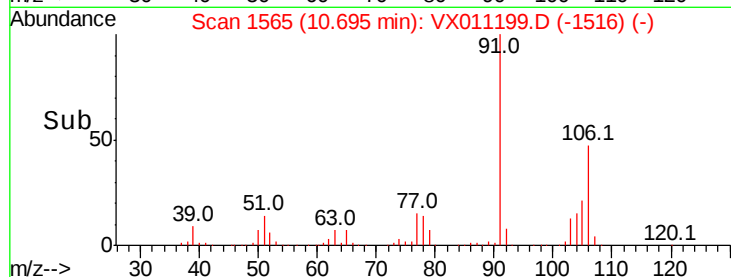
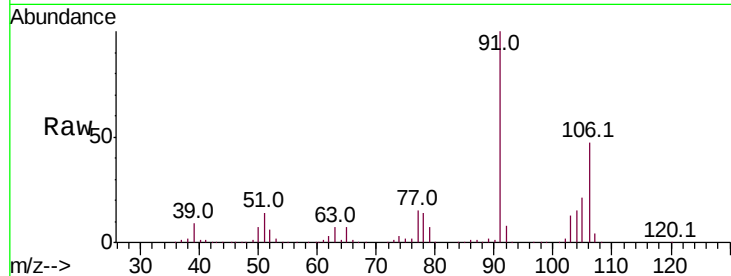
#69
o-Xylene
Concen: 19.606 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011199.D
Acq: 30 Jul 2019 16:53

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBSD01

Tot Ion:106 Resp: 62434
Ion Ratio Lower Upper
106 100
91 207.1 105.1 315.3

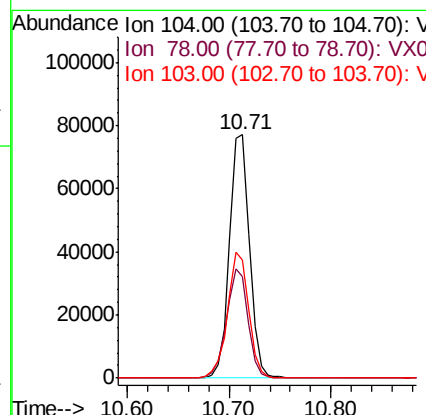
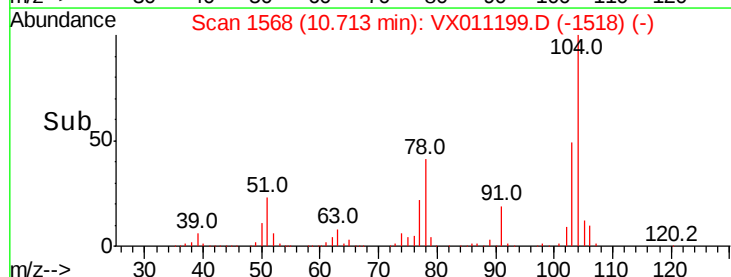
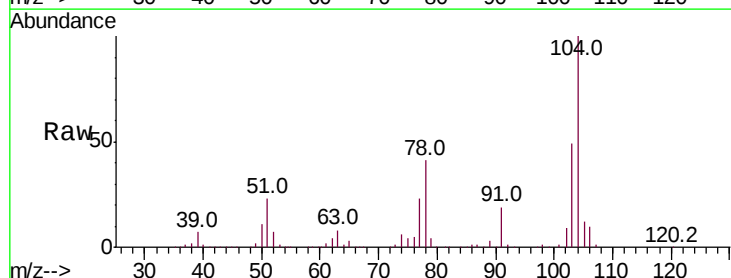
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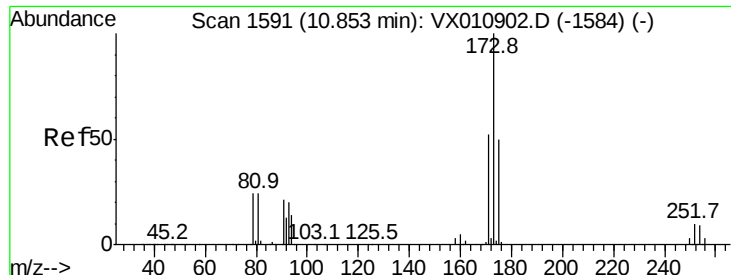
MMDadoda
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#70
Styrene
Concen: 19.831 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VX011199.D
Acq: 30 Jul 2019 16:53

Tgt Ion:104 Resp: 105271
Ion Ratio Lower Upper
104 100
78 48.3 38.8 58.2
103 54.8 44.2 66.4





#71

Bromoform

Concen: 17.741 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011199.D

Acq: 30 Jul 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBSD01

Tot Ion:173 Resp: 25599

Ion Ratio Lower Upper

173 100

175 49.0 24.6 73.6

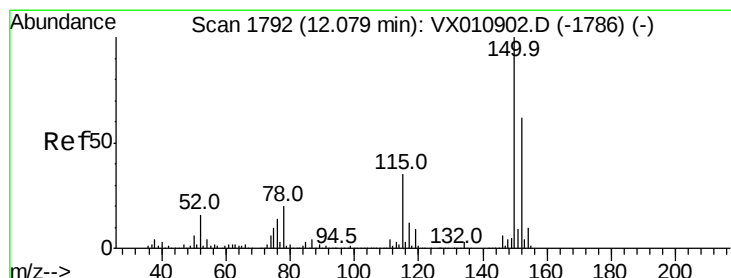
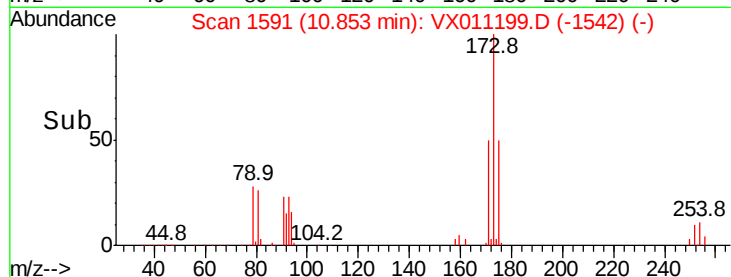
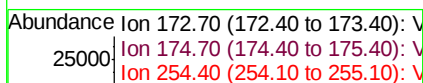
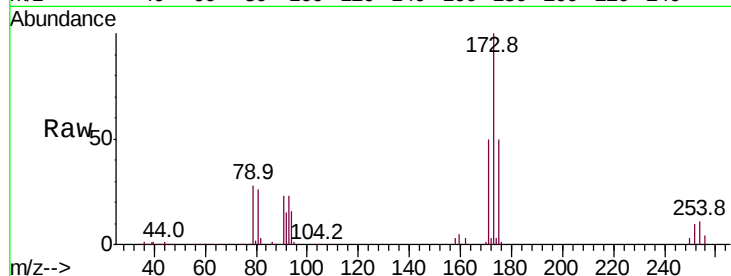
254 0.0 0.1 0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX011199.D

Acq: 30 Jul 2019 16:53

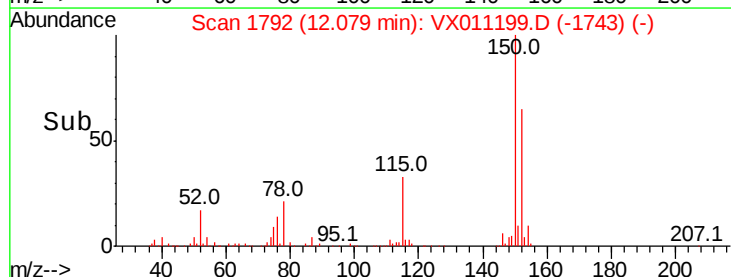
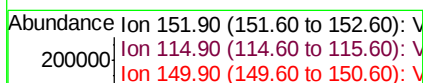
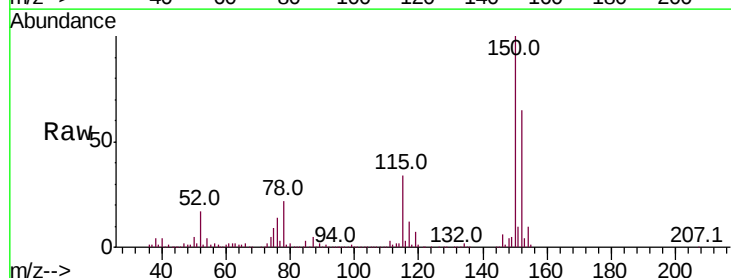
Tgt Ion:152 Resp: 127339

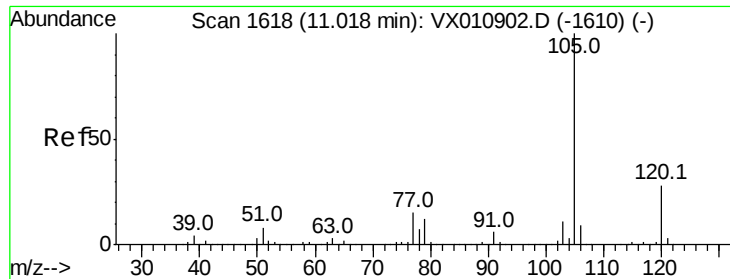
Ion Ratio Lower Upper

152 100

115 64.7 39.7 119.1

150 161.8 0.0 345.6





#73

Isopropylbenzene

Concen: 19.631 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX011199.D

Acq: 30 Jul 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBSD01

Tot Ion:105 Resp: 168914

Ion Ratio Lower Upper

105 100

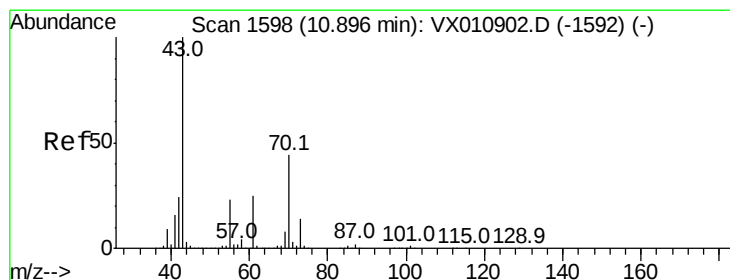
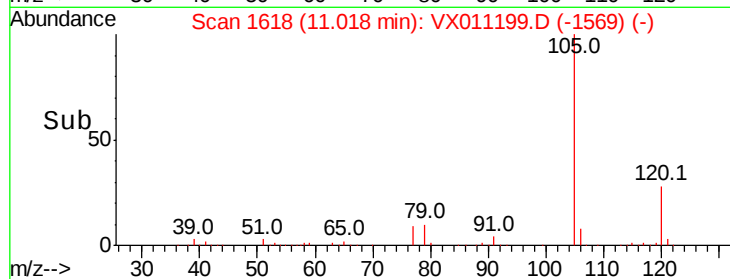
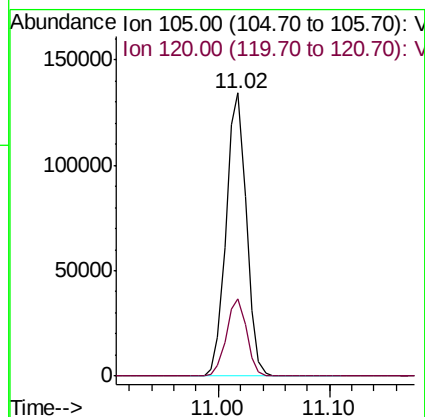
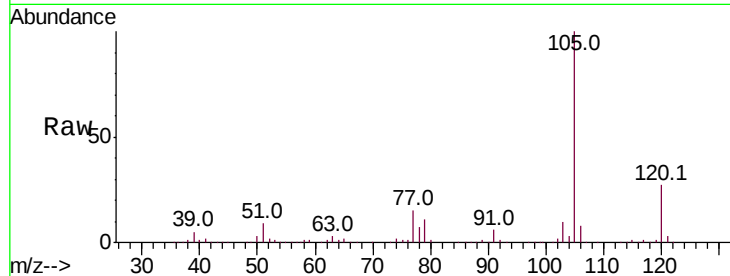
120 27.3 13.7 41.1

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#74

N-ethyl acetate

Concen: 19.283 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX011199.D

Acq: 30 Jul 2019 16:53

Tgt Ion: 43 Resp: 63395

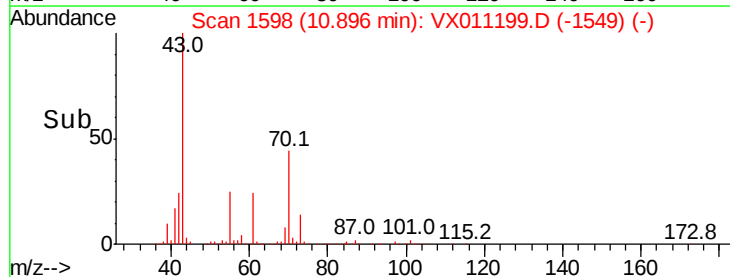
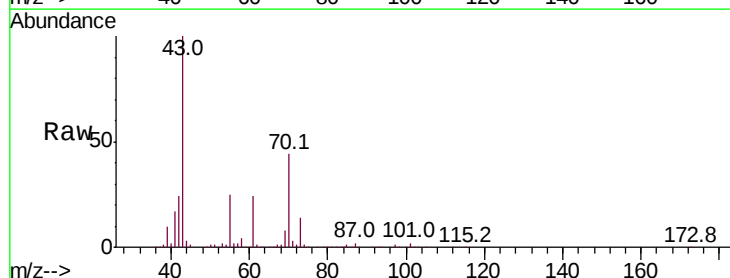
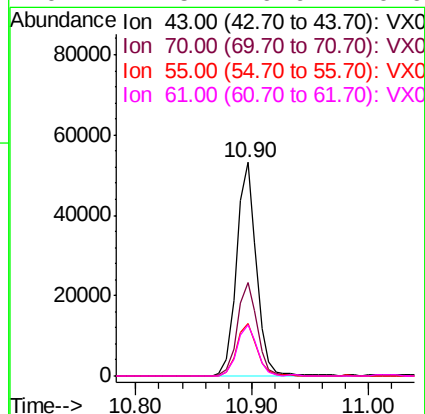
Ion Ratio Lower Upper

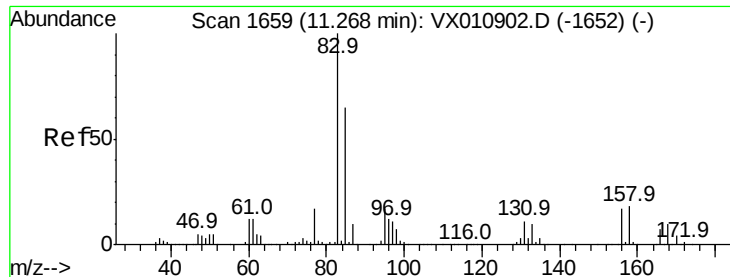
43 100

70 43.8 34.7 52.1

55 25.5 19.1 28.7

61 24.5 19.9 29.9





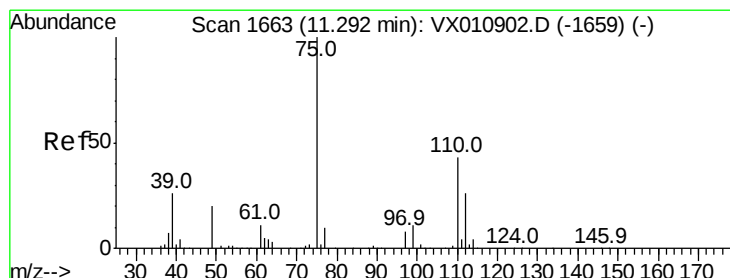
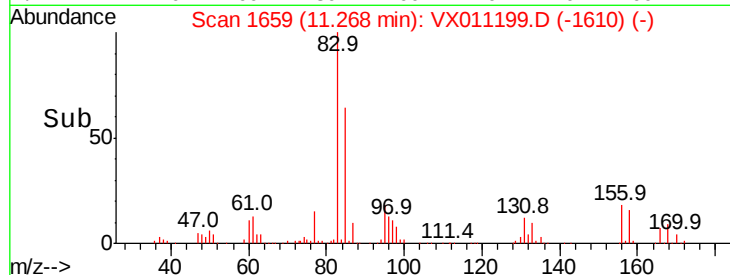
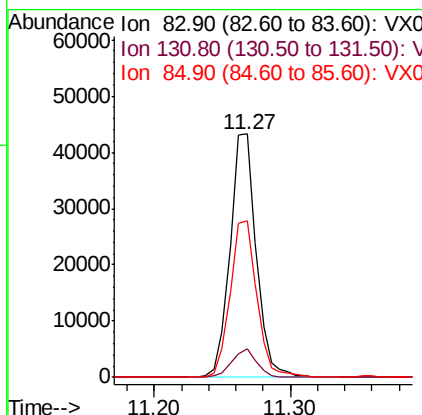
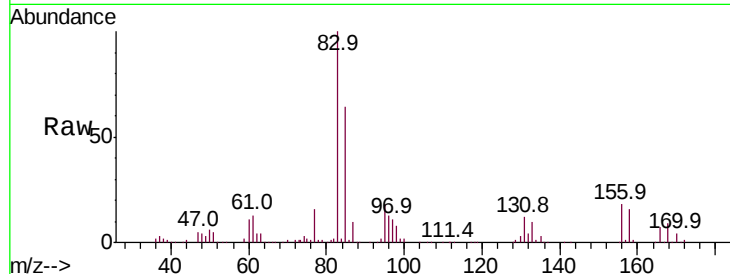
#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.544 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VX011199.D
 Acq: 30 Jul 2019 16:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0730WBSD01

Tot Ion	83	Resp	57848
Ion Ratio	100	Lower	Upper
83	100		
131	11.1	5.5	16.4
85	65.6	32.3	96.9

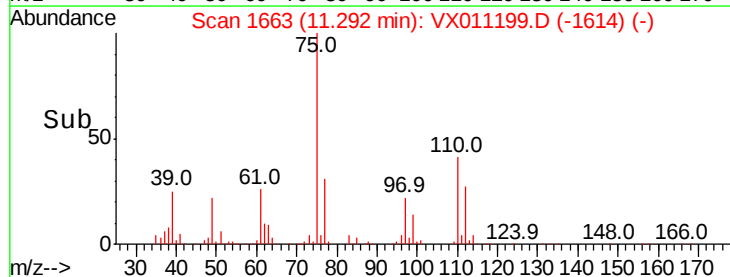
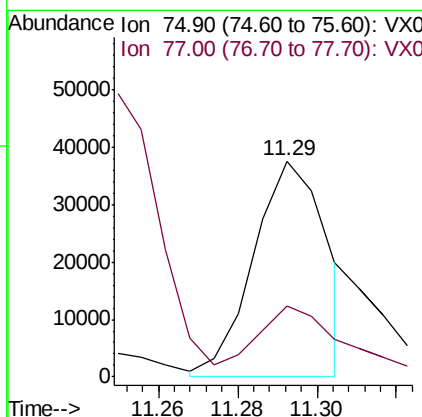
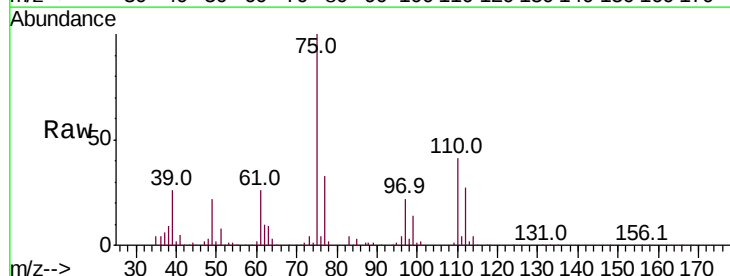
Manual Integrations
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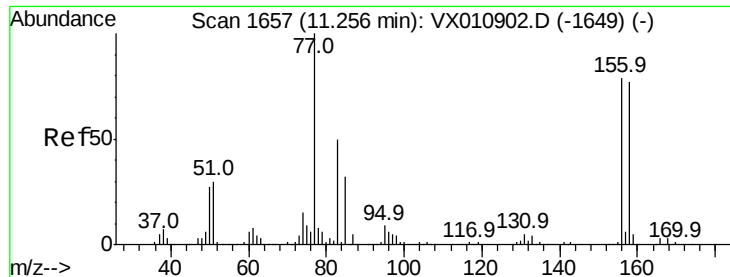
MMDadoda
 7/31/2019 10:53:50 AM



#76
 1,2,3-Trichloropropane
 Concen: 20.947 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: VX011199.D
 Acq: 30 Jul 2019 16:53

Tgt Ion	75	Resp	48134
Ion Ratio	100	Lower	Upper
75	100		
77	40.1	21.3	64.0





#77

Bromobenzene

Concen: 19.244 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX011199.D

Acq: 30 Jul 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBSD01

Tot Ion:156 Resp: 45672

Ion Ratio Lower Upper

156 100

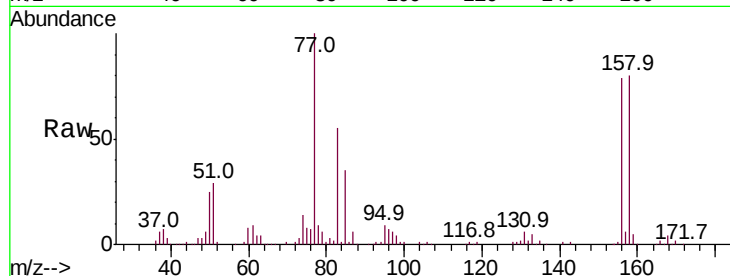
77 137.7 68.7 206.1

158 97.3 47.9 143.7

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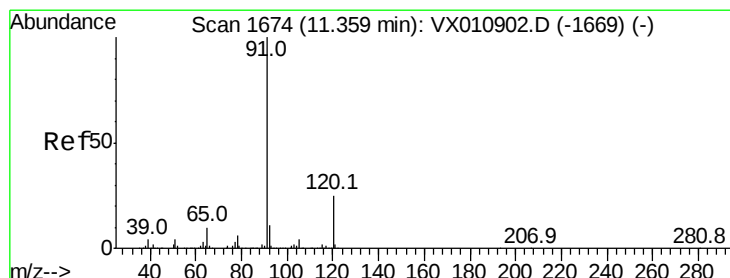
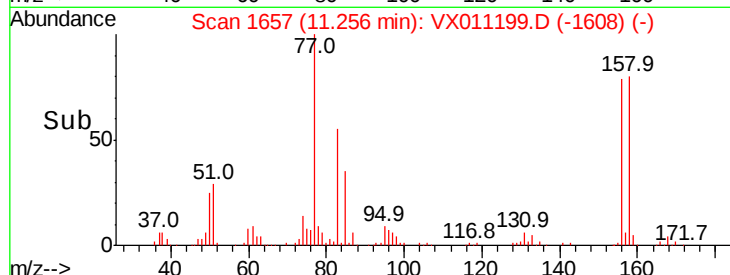
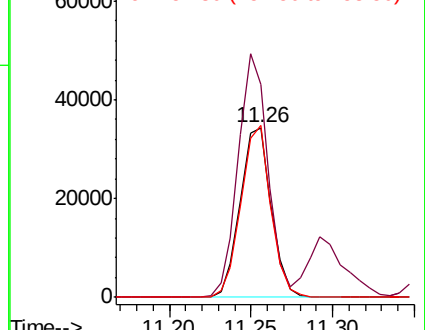
7/31/2019 10:53:50 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.348 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX011199.D

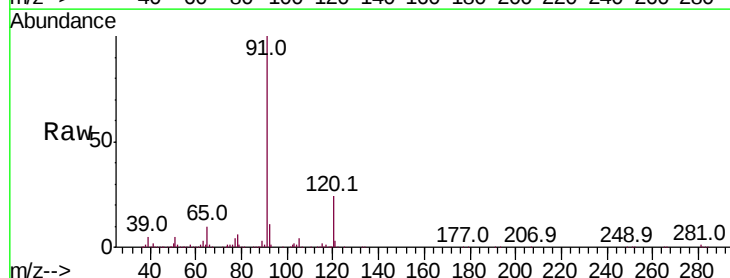
Acq: 30 Jul 2019 16:53

Tgt Ion: 91 Resp: 183945

Ion Ratio Lower Upper

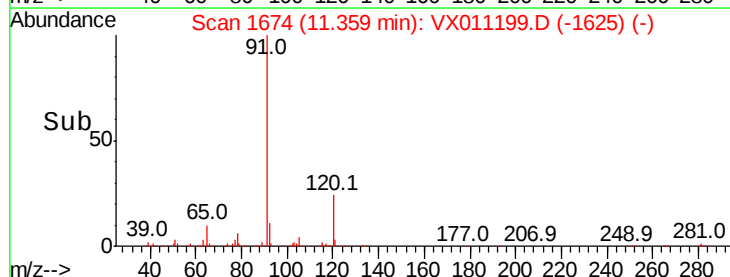
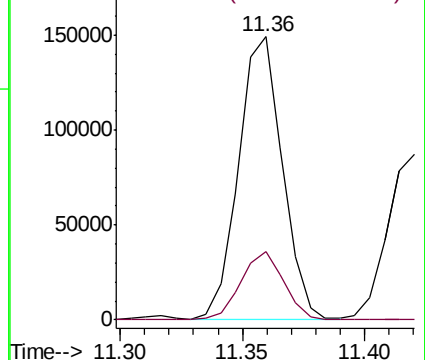
91 100

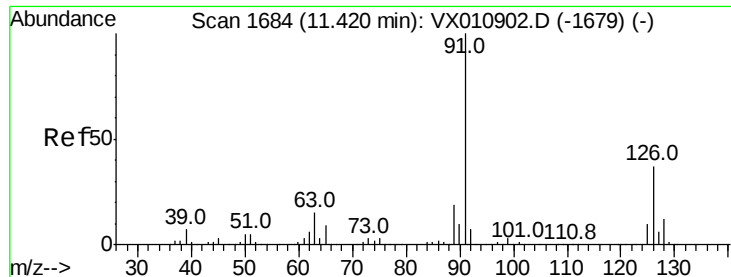
120 23.8 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.511 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX011199.D

Acq: 30 Jul 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBSD01

Tot Ion: 91 Resp: 111430

Ion Ratio Lower Upper

91 100

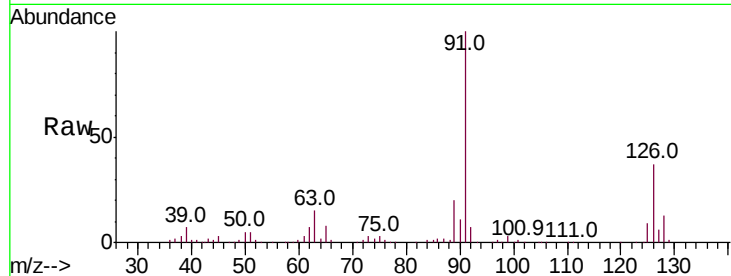
126 36.0 18.0 54.0

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

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

150000

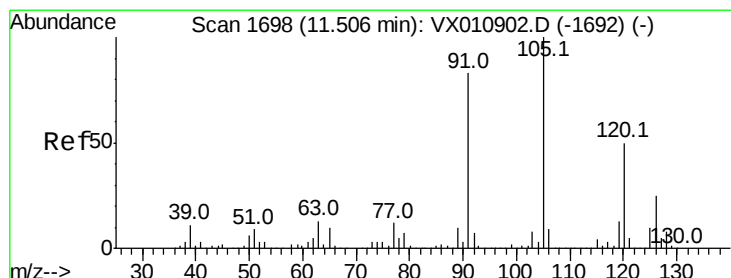
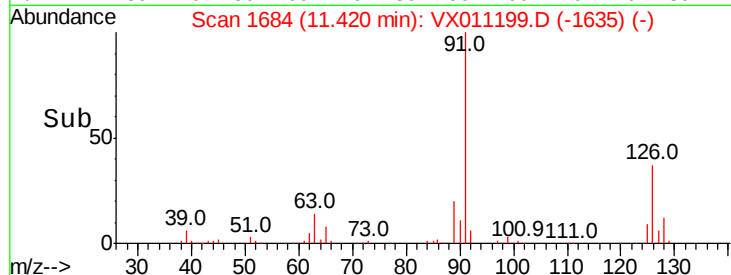
100000

50000

0

11.35 11.40 11.45 11.50

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.397 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011199.D

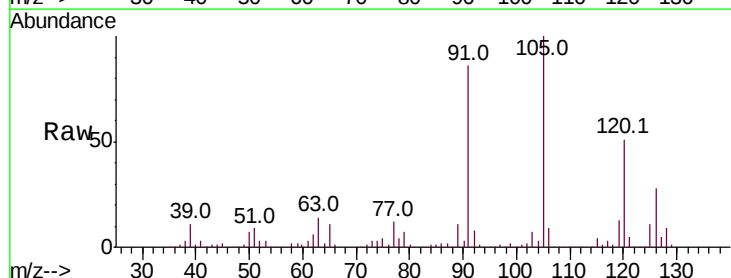
Acq: 30 Jul 2019 16:53

Tgt Ion: 105 Resp: 139462

Ion Ratio Lower Upper

105 100

120 49.9 24.6 73.8



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

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

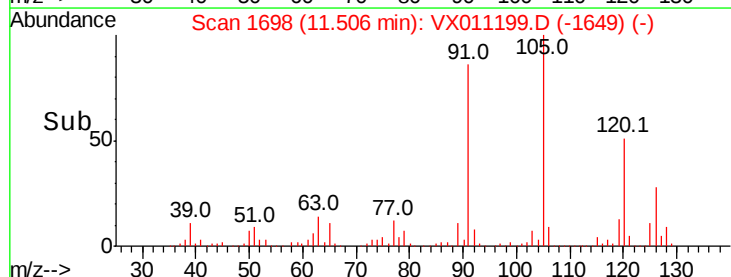
100000

50000

0

11.50 11.51 11.52

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 17.422 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX011199.D

Acq: 30 Jul 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBSD01

Tot Ion: 75 Resp: 13246

Ion Ratio Lower Upper

75 100

53 108.8 76.7 115.1

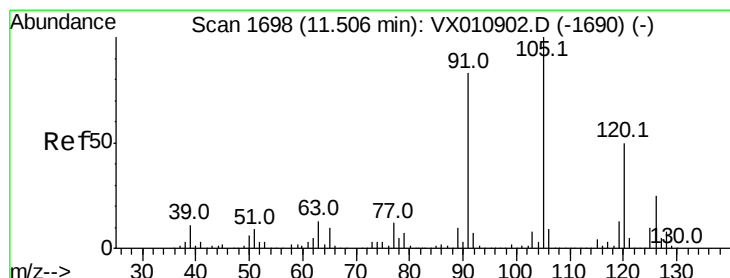
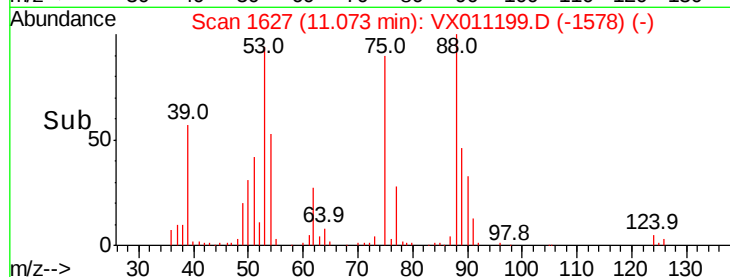
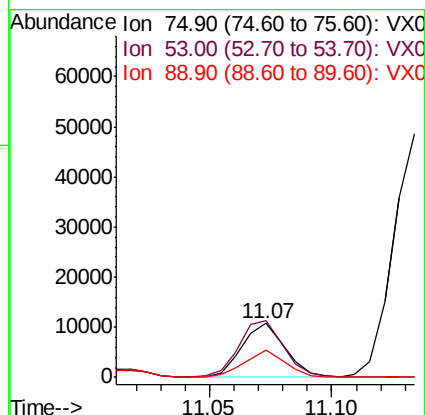
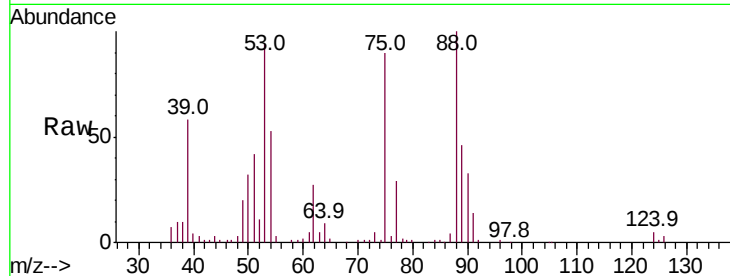
89 48.7 38.5 57.7

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#82

4-Chlorotoluene

Concen: 18.907 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011199.D

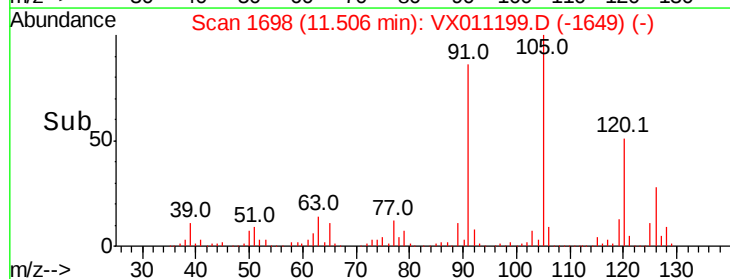
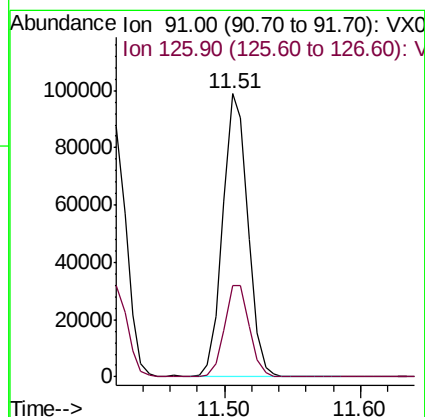
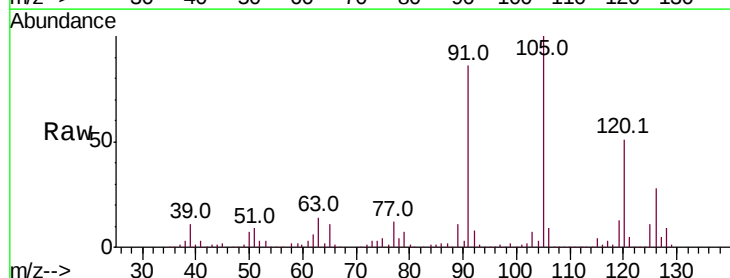
Acq: 30 Jul 2019 16:53

Tgt Ion: 91 Resp: 125678

Ion Ratio Lower Upper

91 100

126 32.5 15.9 47.7





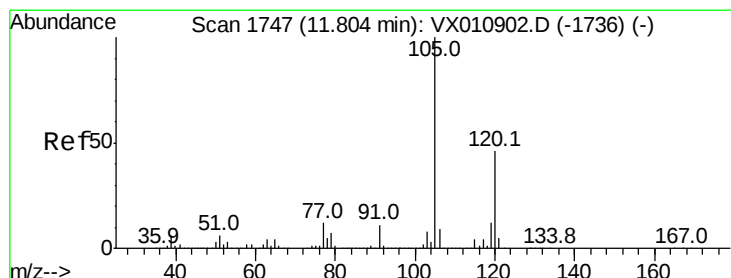
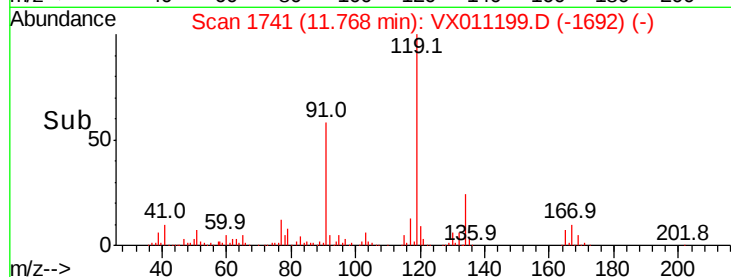
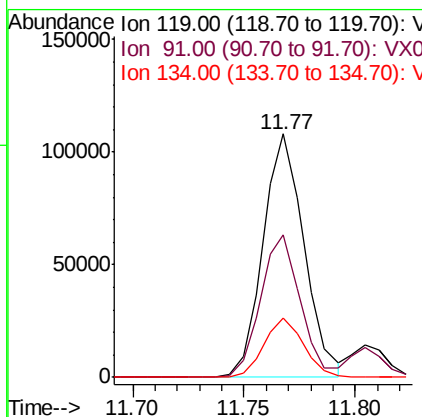
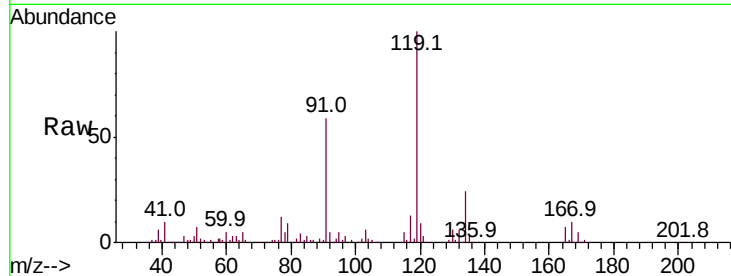
#83
tert-Butylbenzene
Concen: 19.568 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX011199.D
Acq: 30 Jul 2019 16:53

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	138190		
91	57.6	28.6	85.8	
134	23.4	11.6	34.8	

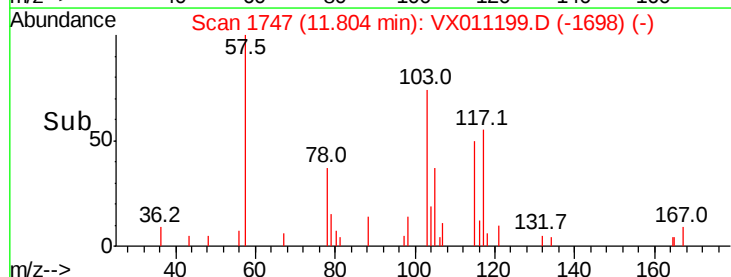
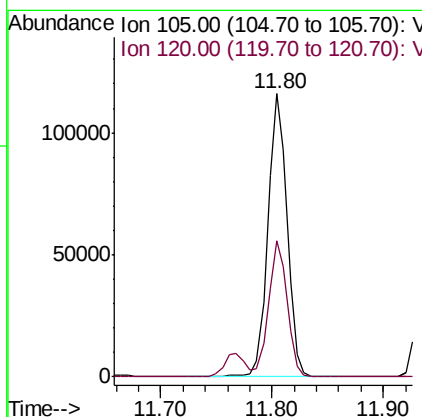
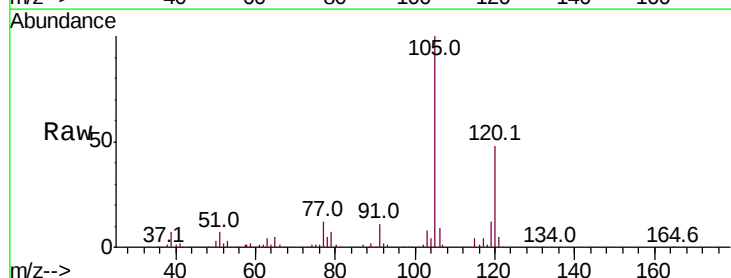
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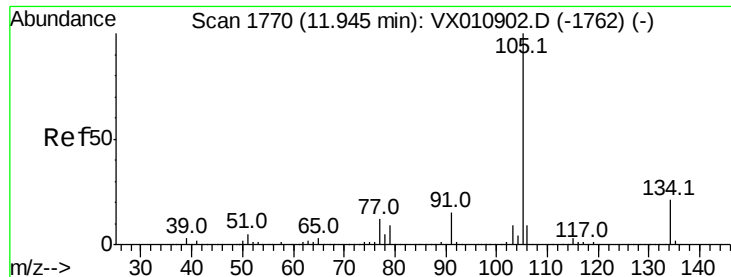
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#84
1,2,4-Trimethylbenzene
Concen: 19.314 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX011199.D
Acq: 30 Jul 2019 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	139960		
120	46.7	22.9	68.5	





#85

sec-Butylbenzene

Concen: 19.672 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011199.D

Acq: 30 Jul 2019 16:53

Instrument :

MSVOA_X

ClientSampleId :

VX0730WBSD01

Tot Ion:105 Resp: 162785

Ion Ratio Lower Upper

105 100

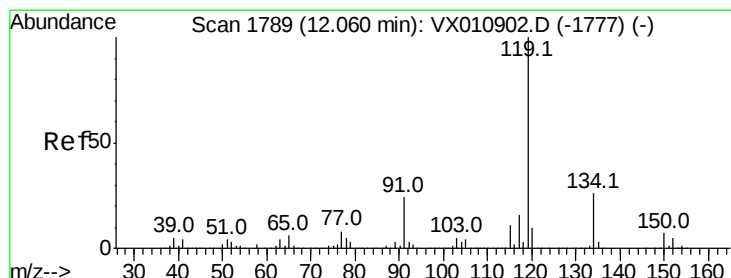
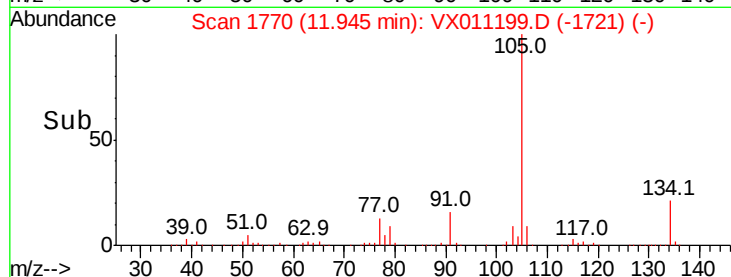
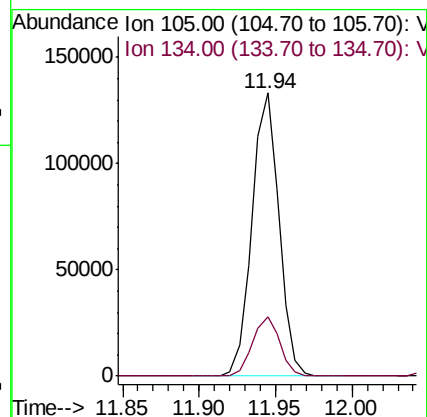
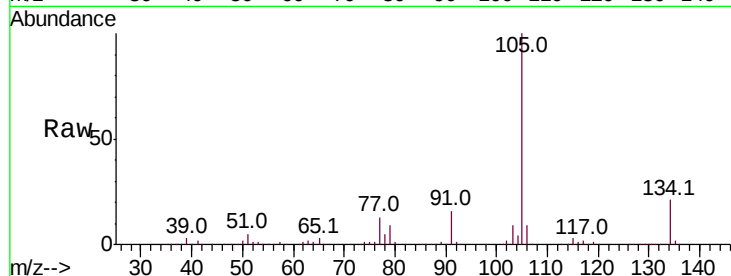
134 21.3 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 19.430 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX011199.D

Acq: 30 Jul 2019 16:53

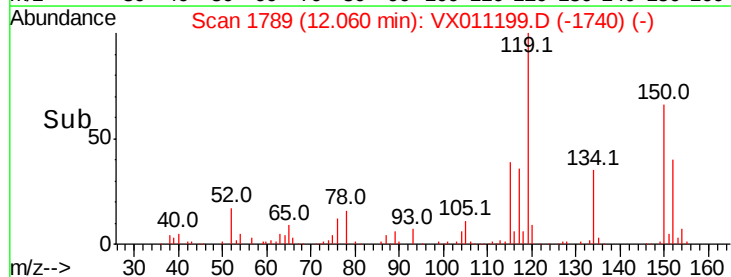
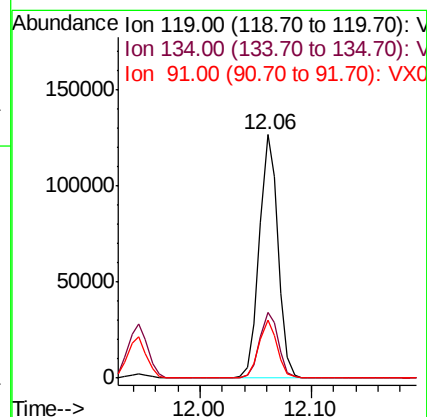
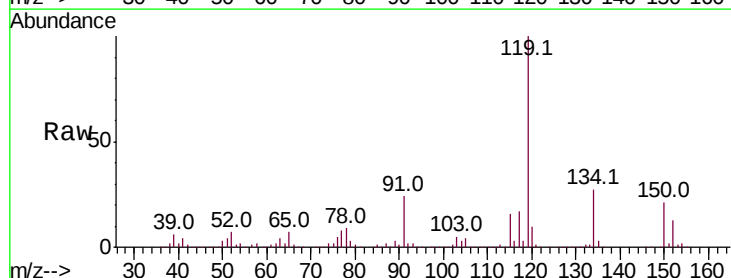
Tgt Ion:119 Resp: 148641

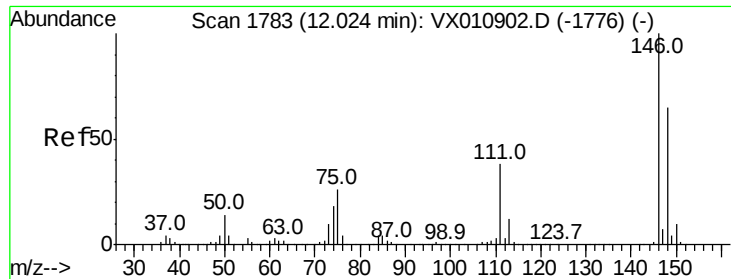
Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.1

91 23.6 11.8 35.4





#87

1,3-Dichlorobenzene

Concen: 19.179 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX011199.D

Acq: 30 Jul 2019 16:53

Instrument :

MSVOA_X

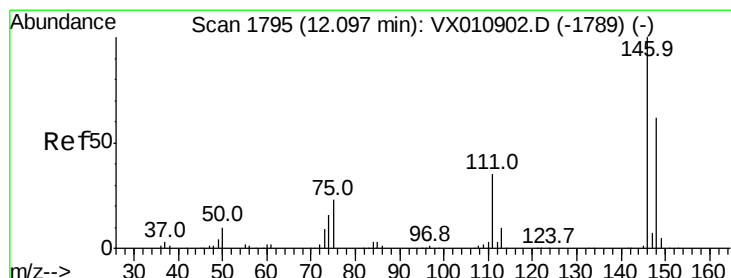
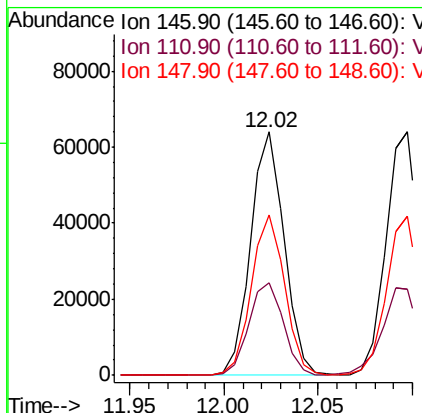
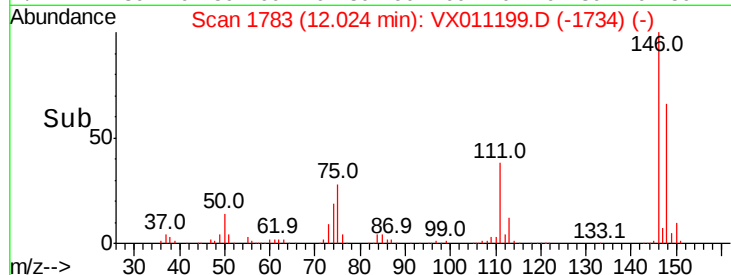
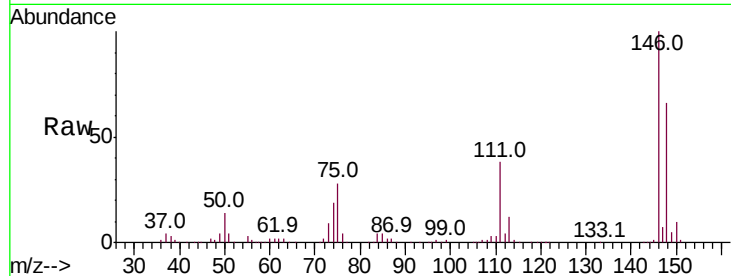
ClientSampleId :

VX0730WBSD01

Tot Ion:	146	Resp:	78993
Ion	Ratio	Lower	Upper
146	100		
111	39.4	18.9	56.9
148	65.4	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 19.103 ug/l

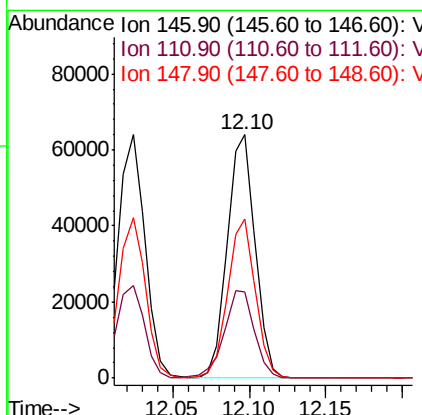
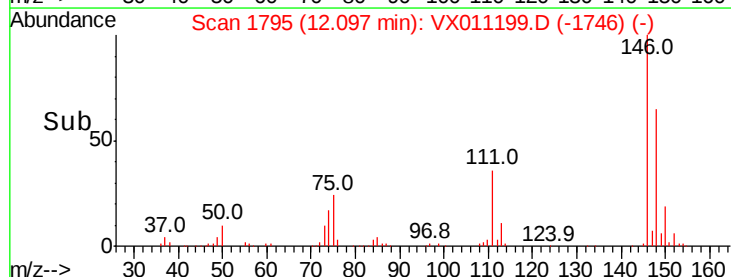
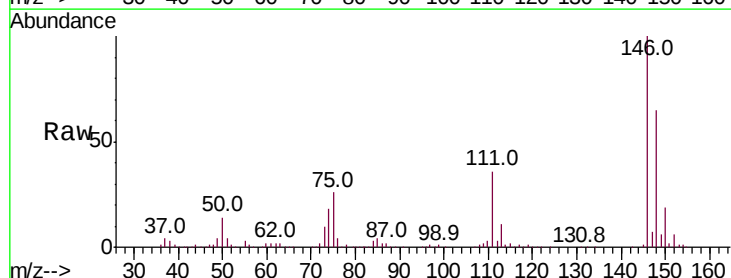
RT: 12.10 min Scan# 1795

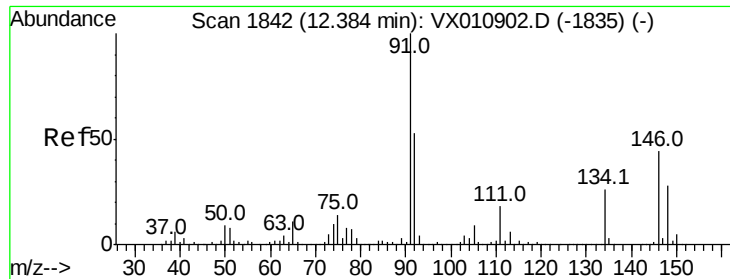
Delta R.T. -0.00 min

Lab File: VX011199.D

Acq: 30 Jul 2019 16:53

Tgt Ion:	146	Resp:	80695
Ion	Ratio	Lower	Upper
146	100		
111	39.0	18.6	55.8
148	64.7	31.6	94.7





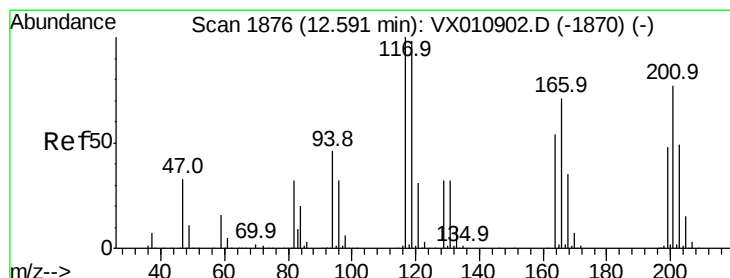
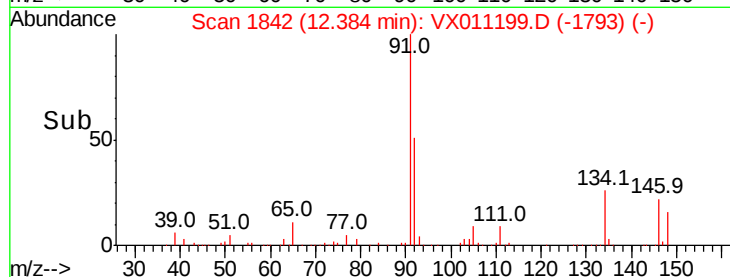
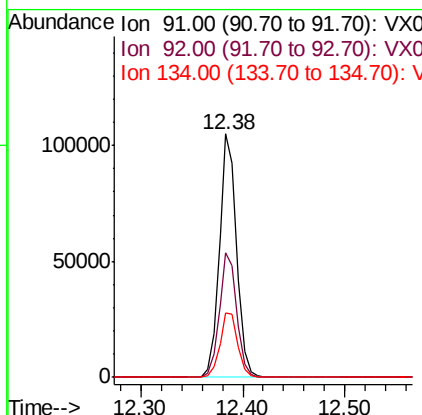
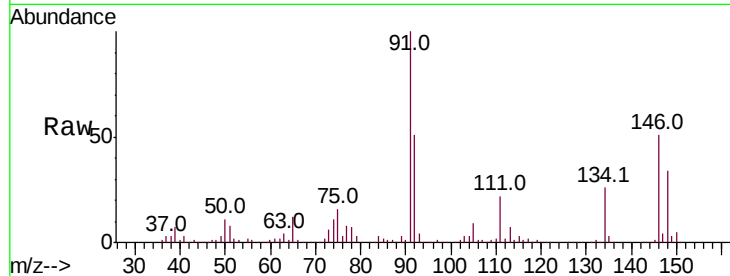
#89
n-Butylbenzene
Concen: 18.932 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX011199.D
Acq: 30 Jul 2019 16:53

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.2	78.5
134	27.4	13.8	41.3

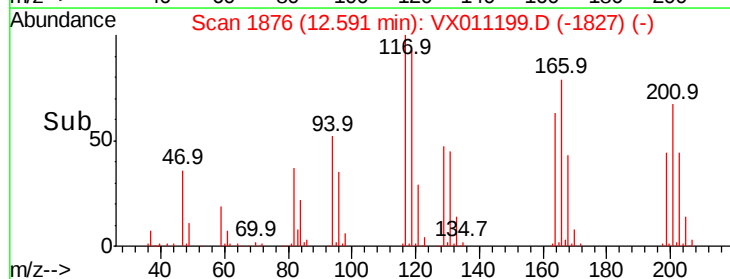
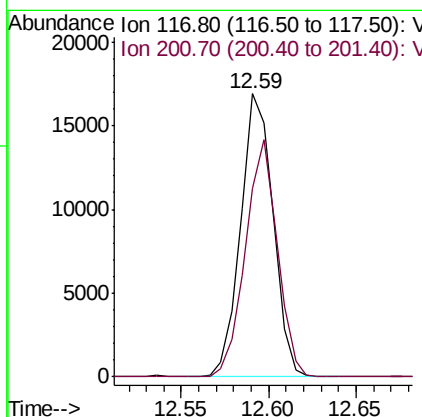
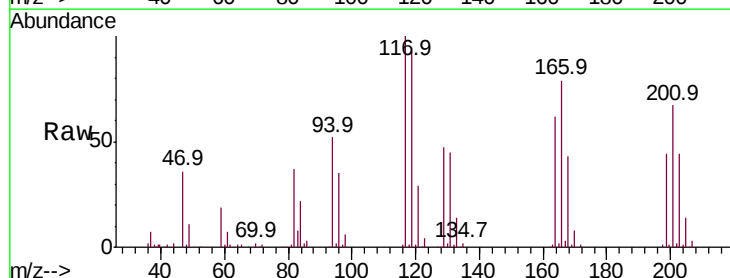
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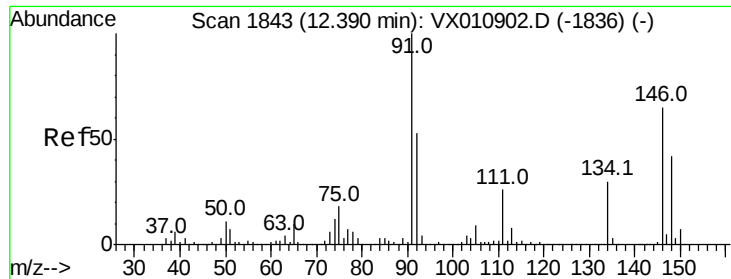
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#90
Hexachloroethane
Concen: 18.073 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX011199.D
Acq: 30 Jul 2019 16:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.3	43.3	129.8





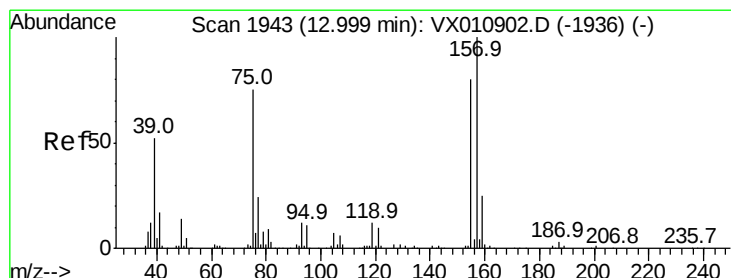
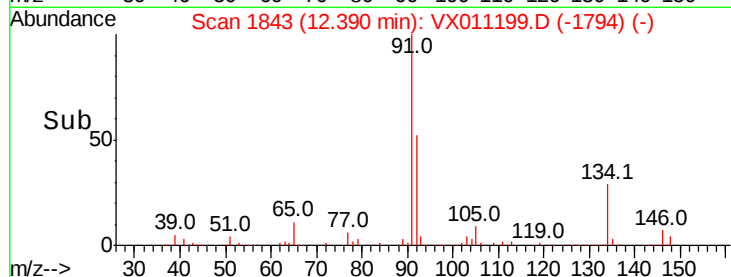
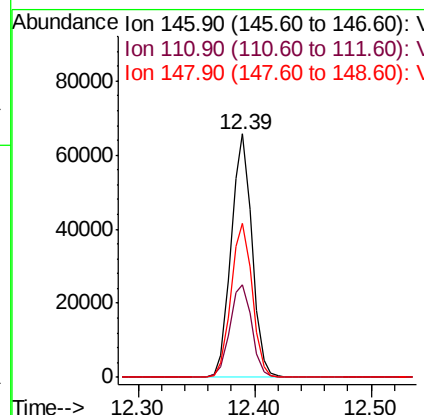
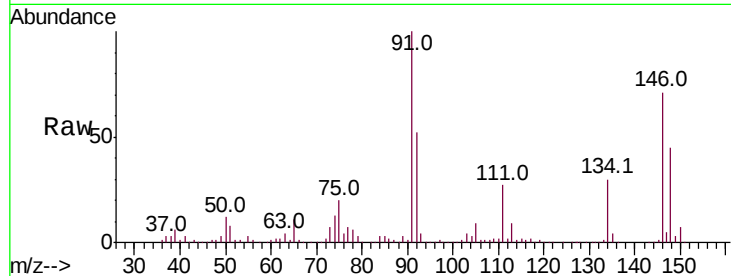
#91
 1,2-Dichlorobenzene
 Concen: 19.963 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011199.D
 Acq: 30 Jul 2019 16:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0730WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.9	59.7
148	64.5	32.0	96.2

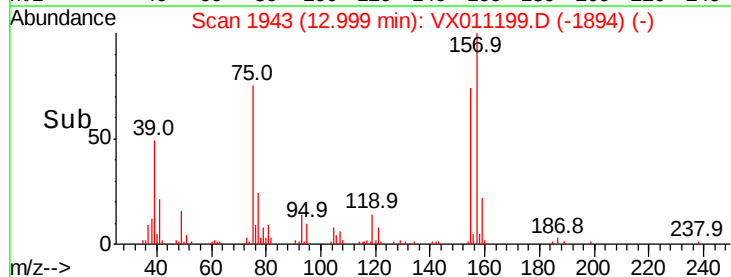
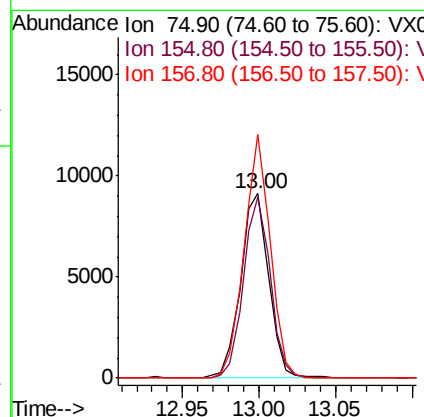
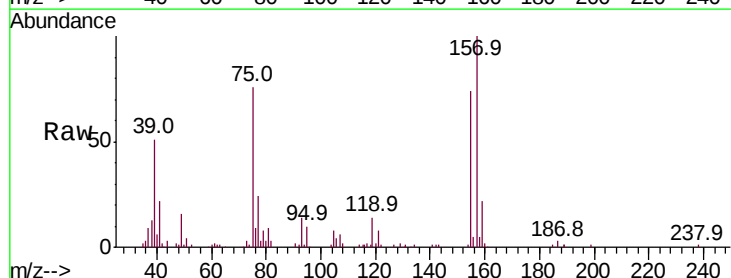
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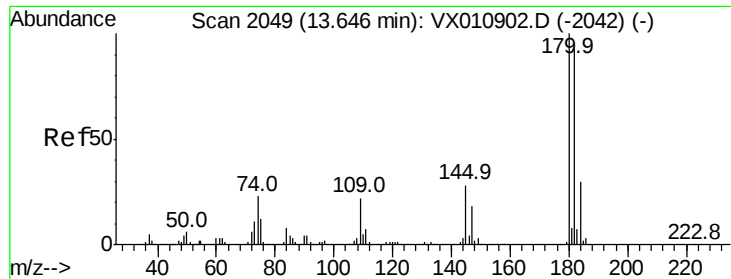
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 7/31/2019 10:53:50 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.766 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX011199.D
 Acq: 30 Jul 2019 16:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.4	48.7	146.1
157	122.1	62.5	187.6





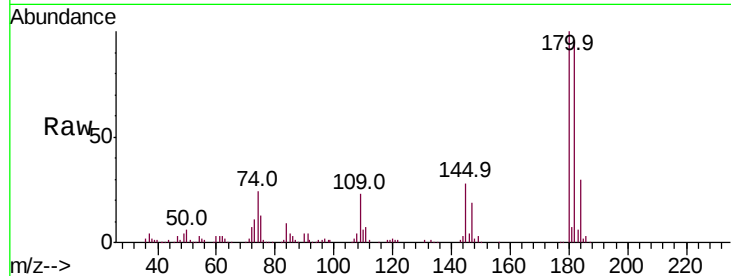
#93
1,2,4-Trichlorobenzene
Concen: 19.276 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX011199.D
Acq: 30 Jul 2019 16:53

Instrument :
MSVOA_X
ClientSampleId :
VX0730WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	53326		
182	94.0		47.1	141.3
145	29.6		14.8	44.4

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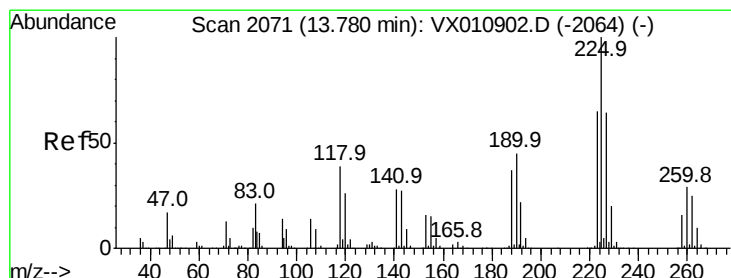
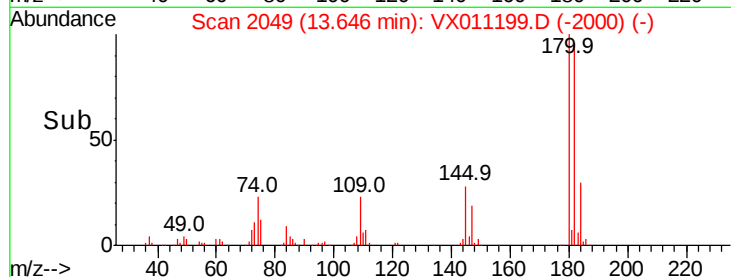
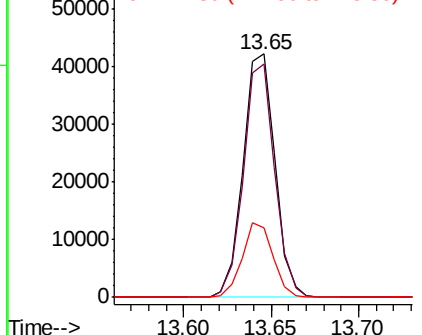


Abundance

Ion 179.80 (179.50 to 180.50): V

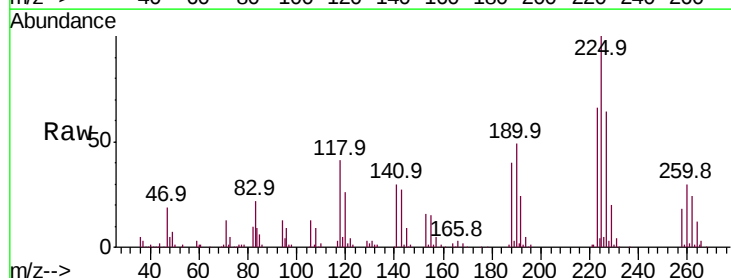
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 19.524 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VX011199.D
Acq: 30 Jul 2019 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	26765		
223	63.7		31.9	95.9
227	63.8		32.5	97.4

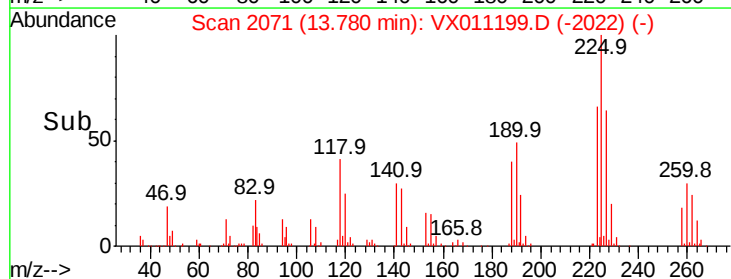
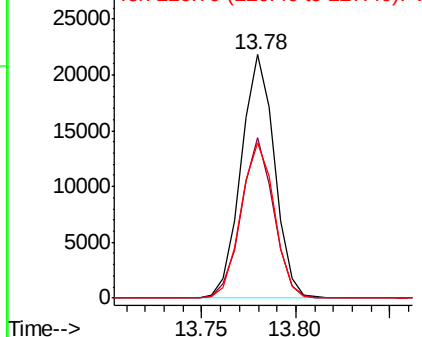


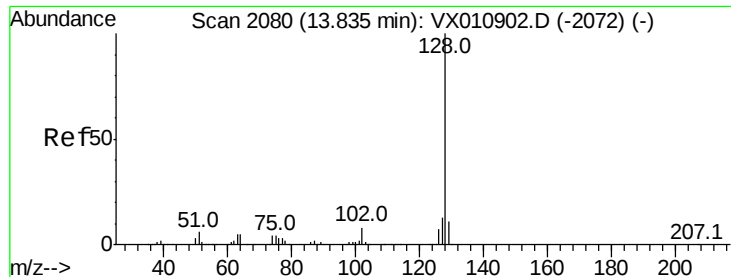
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 20.431 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX011199.D

Acq: 30 Jul 2019 16:53

Instrument :

MSVOA_X

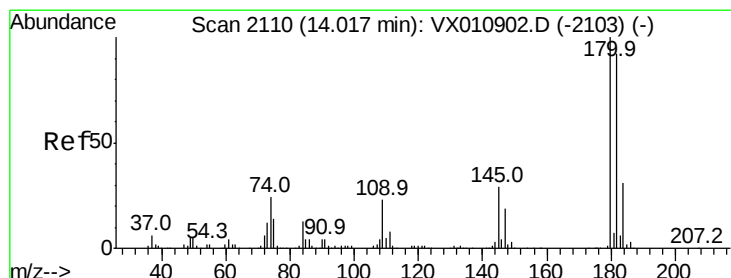
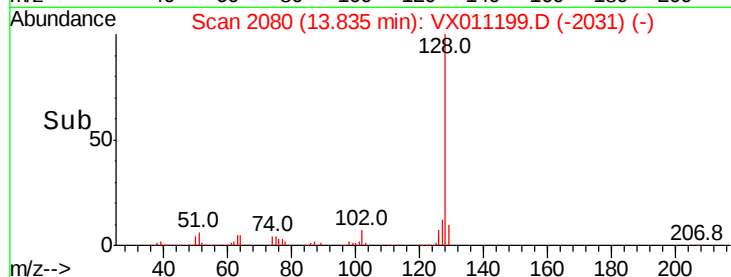
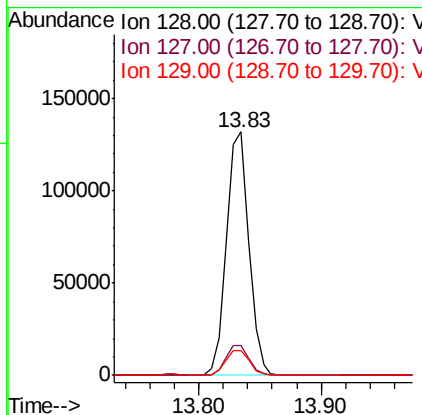
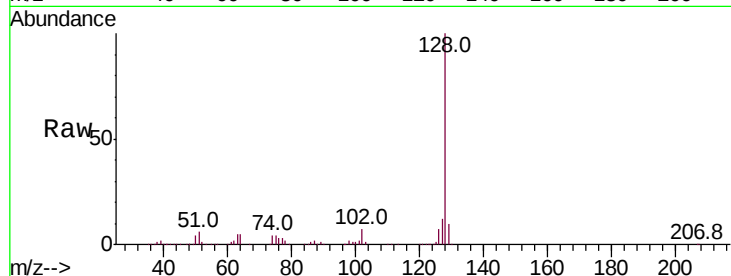
ClientSampleId :

VX0730WBSD01

Tot Ion:	128	Resp:	166906
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	10.8	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/31/2019 10:53:50 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.629 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX011199.D

Acq: 30 Jul 2019 16:53

Tgt Ion:	180	Resp:	54030
Ion Ratio	Lower	Upper	
180	100		
182	97.7	47.4	142.3
145	30.9	15.1	45.3

