

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072219\
 Data File : VX011044.D
 Acq On : 22 Jul 2019 20:30
 Operator : JC/SP
 Sample : K3921-05MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SU19-MSW0620MSD

Manual Integrations
 APPROVED

MMDadoda
 7/23/2019 11:12:22 AM

Quant Time: Jul 23 07:11:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 20 04:05:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	223905	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	339704	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	313584	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	164181	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	126040	52.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.82%	
35) Dibromofluoromethane	5.50	113	112608	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	
50) Toluene-d8	8.71	98	418439	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	
62) 4-Bromofluorobenzene	11.13	95	159563	53.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	117185	49.092	ug/l	99
3) Chloromethane	1.32	50	98169	47.678	ug/l	98
4) Vinyl Chloride	1.41	62	105441	50.205	ug/l	99
5) Bromomethane	1.64	94	53758	45.423	ug/l	99
6) Chloroethane	1.71	64	63701	47.728	ug/l	99
7) Trichlorofluoromethane	1.92	101	179937	50.614	ug/l	100
8) Diethyl Ether	2.19	74	60251	49.189	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	101217	49.864	ug/l	100
10) Methyl Iodide	2.51	142	134710	50.571	ug/l	99
11) Tert butyl alcohol	3.06	59	129727	233.849	ug/l	98
12) 1,1-Dichloroethene	2.37	96	99633	49.957	ug/l	97
13) Acrolein	2.29	56	74788	233.338	ug/l	97
14) Allyl chloride	2.73	41	144684	49.944	ug/l	99
15) Acrylonitrile	3.14	53	291962	260.454	ug/l	99
16) Acetone	2.45	43	248022	230.540	ug/l	97
17) Carbon Disulfide	2.57	76	235794	46.091	ug/l	100
18) Methyl Acetate	2.78	43	113670	46.402	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	335455	52.249	ug/l	98
20) Methylene Chloride	2.85	84	110676	48.544	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	103797	49.050	ug/l	96
22) Diisopropyl ether	3.85	45	308487	50.491	ug/l	96
23) Vinyl Acetate	3.81	43	1205642	232.894	ug/l	99
24) 1,1-Dichloroethane	3.70	63	178771	50.383	ug/l	100
25) 2-Butanone	4.68	43	399245	258.521	ug/l	100
26) 2,2-Dichloropropane	4.58	77	125073	42.930	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	121698	49.692	ug/l	98
28) Bromochloromethane	5.02	49	80932	48.402	ug/l	99
29) Tetrahydrofuran	5.13	42	259194	264.958	ug/l	99
30) Chloroform	5.21	83	195369	50.940	ug/l	99
31) Cyclohexane	5.58	56	155455	48.066	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	173261	52.216	ug/l	99
36) 1,1-Dichloropropene	5.80	75	139082	49.844	ug/l	99
37) Ethyl Acetate	4.84	43	134656	47.128	ug/l	99
38) Carbon Tetrachloride	5.79	117	151652	52.156	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Sat Jul 20 04:05:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	170943	47.241	ug/l	100
40) Benzene	6.14	78	417570	48.853	ug/l	99
41) Methacrylonitrile	5.04	41	80216	49.455	ug/l	99
42) 1,2-Dichloroethane	6.19	62	152555	51.332	ug/l	99
43) Isopropyl Acetate	6.45	43	231679	49.313	ug/l	99
44) Trichloroethene	7.21	130	123576	48.843	ug/l	95
45) 1,2-Dichloropropane	7.51	63	107681	49.497	ug/l	100
46) Dibromomethane	7.66	93	80663	51.889	ug/l	98
47) Bromodichloromethane	7.90	83	147352	53.250	ug/l	99
48) Methyl methacrylate	7.77	41	120610	52.698	ug/l	98
49) 1,4-Dioxane	7.74	88	57181	893.163	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	812367	266.740	ug/l	99
52) Toluene	8.78	92	276979	49.328	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	156651	52.648	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	167690	50.648	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	119324	51.611	ug/l	97
56) Ethyl methacrylate	9.18	69	182552	53.980	ug/l	99
57) 1,3-Dichloropropane	9.37	76	184930	50.422	ug/l	99
59) 2-Hexanone	9.49	43	633921	268.364	ug/l	100
60) Dibromochloromethane	9.58	129	129975	48.906	ug/l	100
61) 1,2-Dibromoethane	9.67	107	127207	51.845	ug/l	99
64) Tetrachloroethene	9.34	164	115958	47.005	ug/l	98
65) Chlorobenzene	10.13	112	315459	48.979	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	118421	52.315	ug/l	98
67) Ethyl Benzene	10.25	91	549024	50.080	ug/l	99
68) m/p-Xylenes	10.35	106	417286	99.229	ug/l	98
69) o-Xylene	10.69	106	206527	50.321	ug/l	100
70) Stvrene	10.71	104	353702	51.698	ug/l	99
71) Bromoform	10.85	173	99010	48.138	ug/l #	100
73) Isopropylbenzene	11.02	105	557391	50.244	ug/l	100
74) N-amyl acetate	10.90	43	200259	47.244	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	186971	51.500	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	157917m	53.301	ug/l	
77) Bromobenzene	11.26	156	149102	48.726	ug/l	96
78) n-propylbenzene	11.36	91	622412	50.777	ug/l	100
79) 2-Chlorotoluene	11.42	91	374469	50.855	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	470784	50.786	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	53998	46.480	ug/l	99
82) 4-Chlorotoluene	11.51	91	436290	50.908	ug/l	99
83) tert-Butylbenzene	11.77	119	465909	51.169	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	475249	50.866	ug/l	98
85) sec-Butylbenzene	11.94	105	543457	50.937	ug/l	100
86) p-Isopropyltoluene	12.06	119	507612	51.463	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	265510	49.998	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	266568	48.944	ug/l	98
89) n-Butylbenzene	12.38	91	431634	51.150	ug/l	99
90) Hexachloroethane	12.59	117	81174	52.177	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	261908	49.764	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	41566	54.773	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	181365	50.848	ug/l	98

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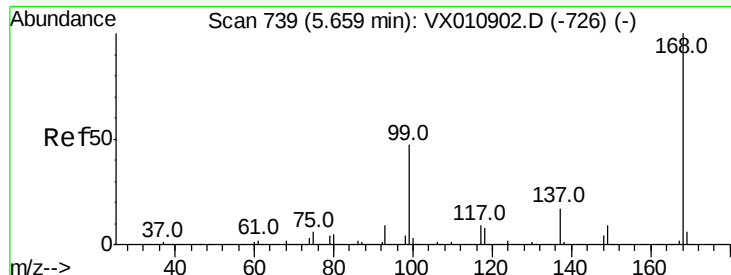
Manual Integrations
APPROVED

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Quant Title : SW846 8260
QLast Update : Sat Jul 20 04:05:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	85880	48.587	ug/l	97
95) Naphthalene	13.83	128	564060	53.554	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	181958	51.271	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0620MSD

Tot Ion:168 Resp: 223905

Ion Ratio Lower Upper

168 100

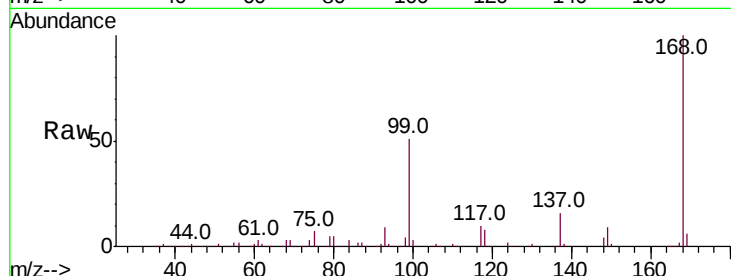
99 51.0 37.6 56.4

Manual Integrations

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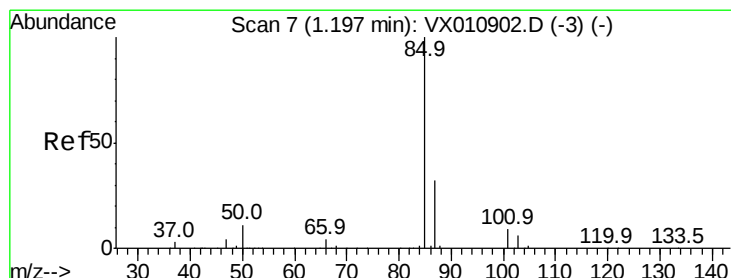
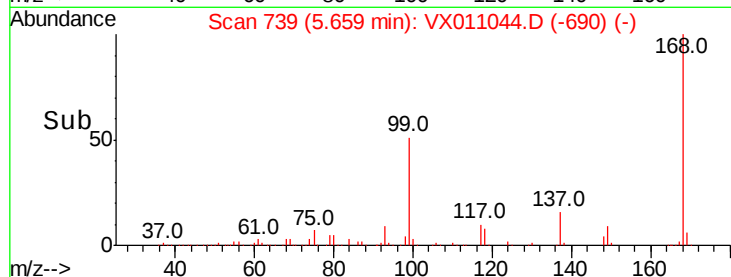
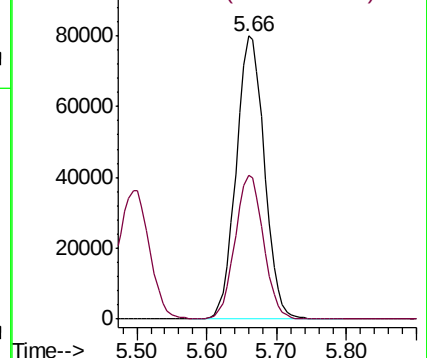
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 49.092 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX011044.D

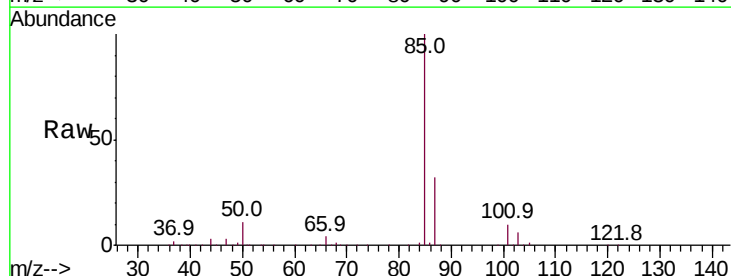
Acq: 22 Jul 2019 20:30

Tgt Ion: 85 Resp: 117185

Ion Ratio Lower Upper

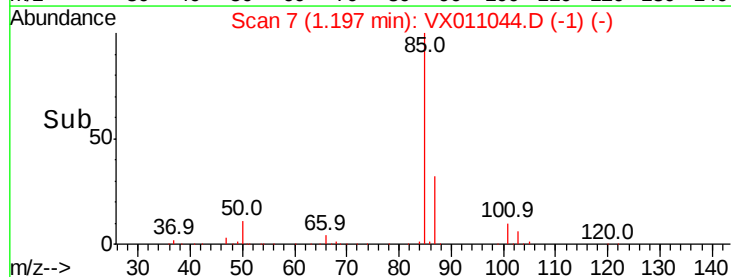
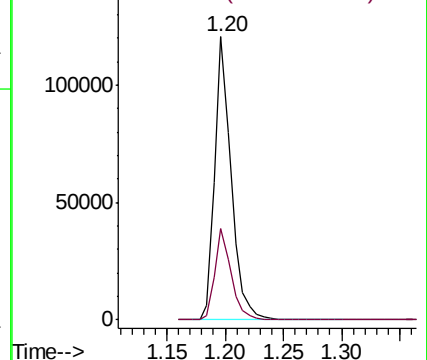
85 100

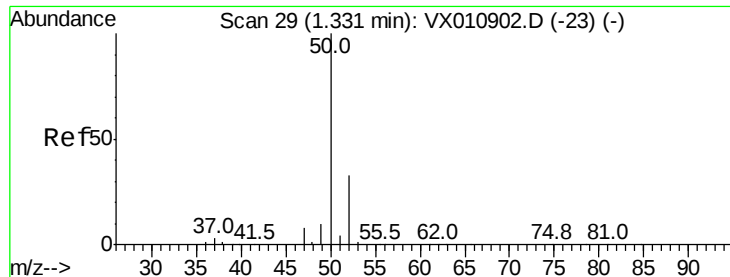
87 32.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 47.678 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0620MSD

Tot Ion: 50 Resp: 98169

Ion Ratio Lower Upper

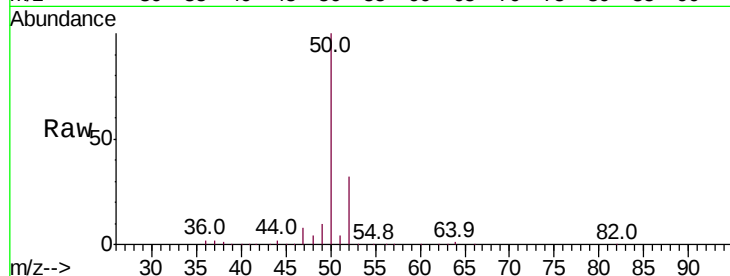
50 100

52 31.8 26.4 39.6

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

100000

80000

60000

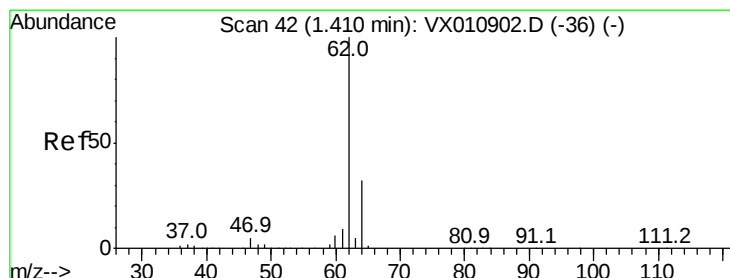
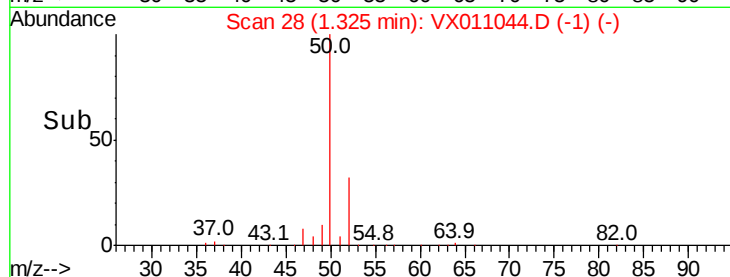
40000

20000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 50.205 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX011044.D

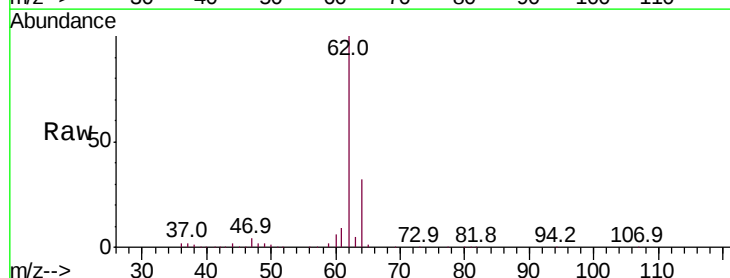
Acq: 22 Jul 2019 20:30

Tgt Ion: 62 Resp: 105441

Ion Ratio Lower Upper

62 100

64 31.4 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

100000

80000

60000

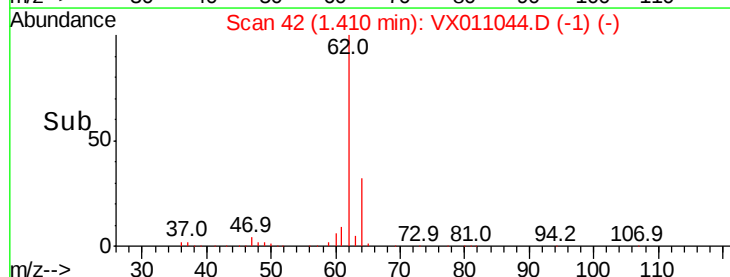
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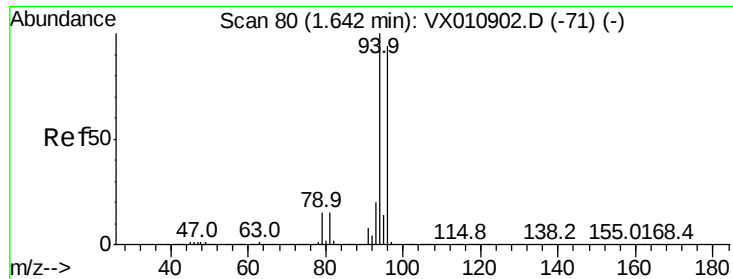
20000

0

1.30 1.40 1.50

Time-->





#5

Bromomethane

Concen: 45.423 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0620MSD

Tot Ion: 94 Resp: 53758

Ion Ratio Lower Upper

94 100

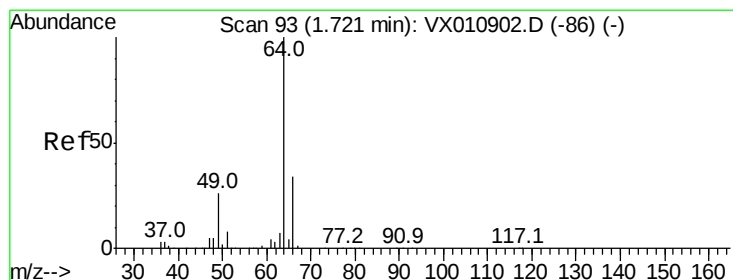
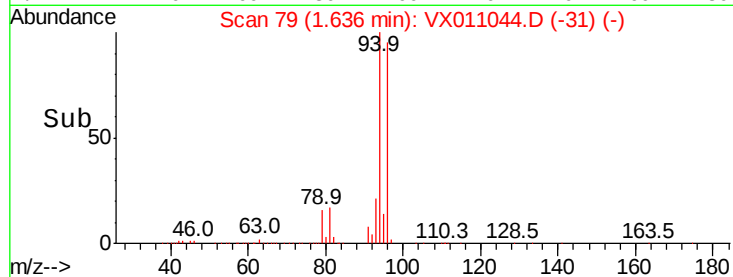
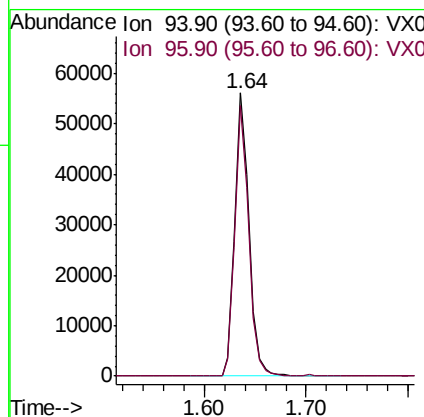
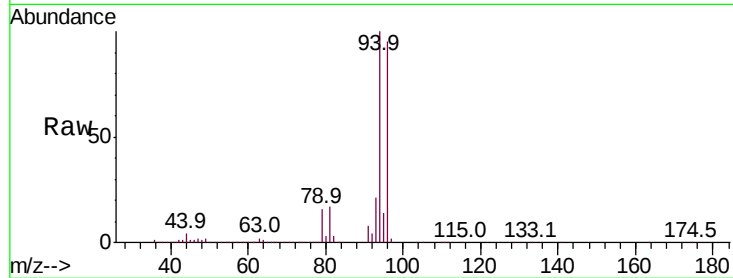
96 95.5 75.6 113.4

Manual Integrations

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#6

Chloroethane

Concen: 47.728 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX011044.D

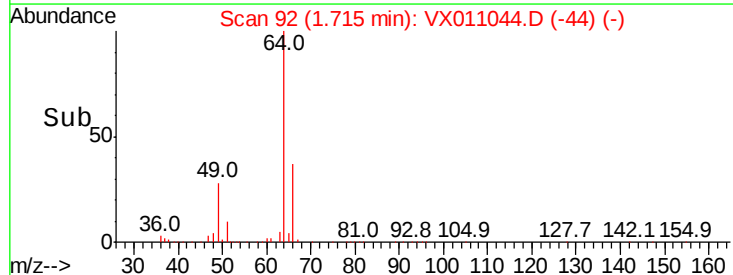
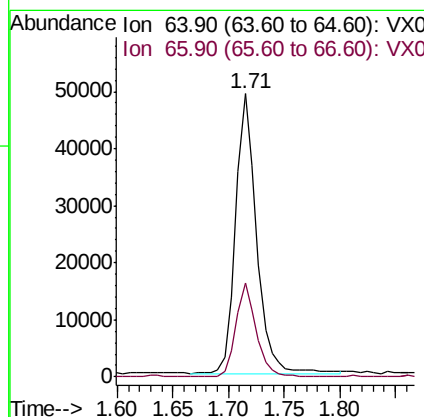
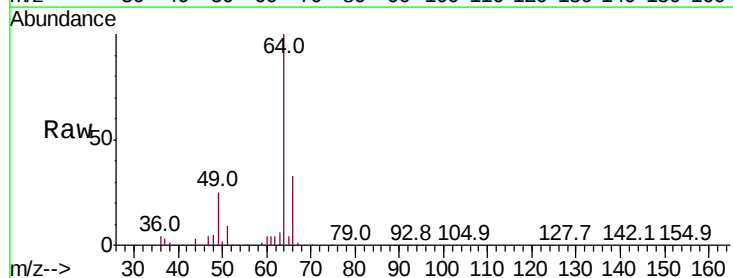
Acq: 22 Jul 2019 20:30

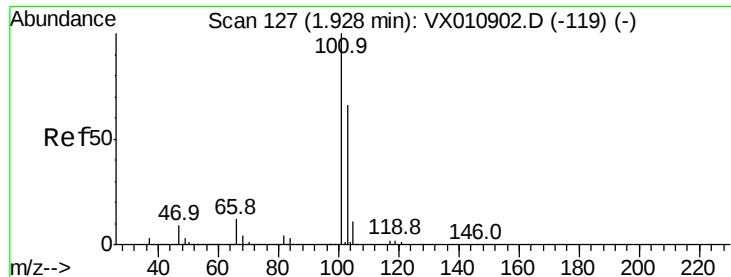
Tgt Ion: 64 Resp: 63701

Ion Ratio Lower Upper

64 100

66 33.4 27.0 40.6





#7

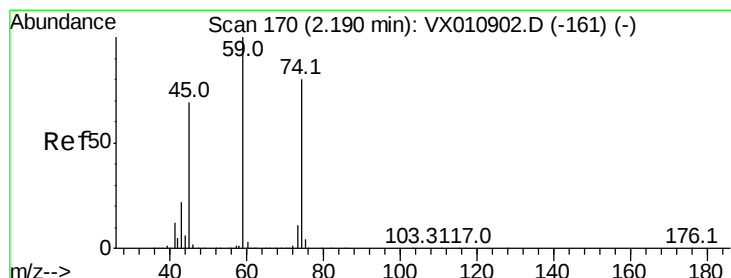
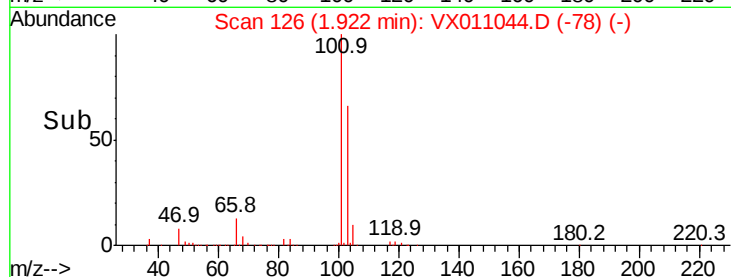
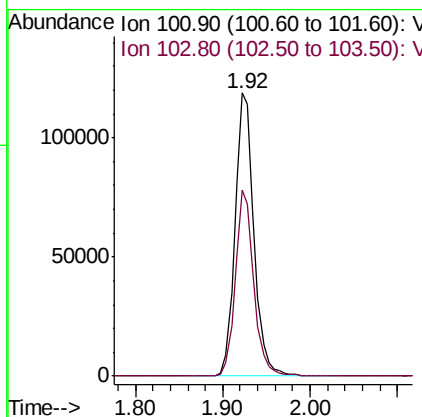
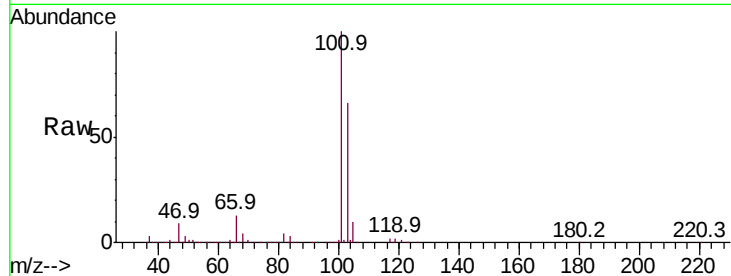
Trichlorofluoromethane
Concen: 50.614 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX011044.D
Acq: 22 Jul 2019 20:30

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ClientSampleId :
SU19-MSW0620MSD

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	52.6	78.8

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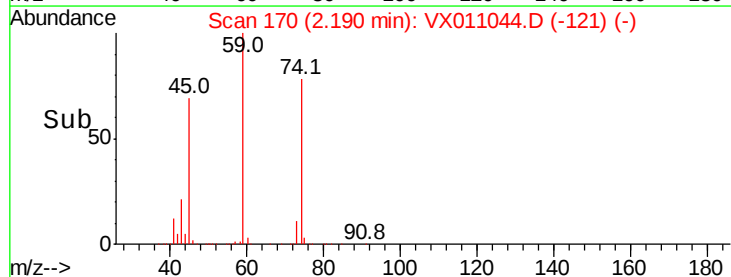
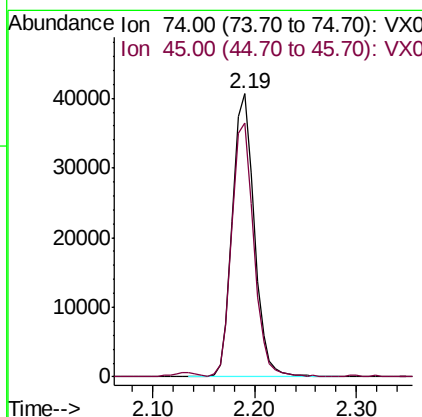
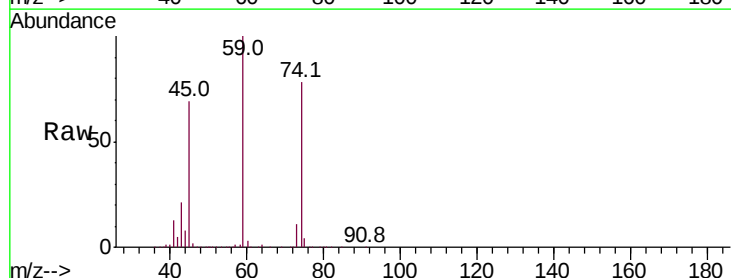
MMDadoda
7/23/2019 11:12:22 AM

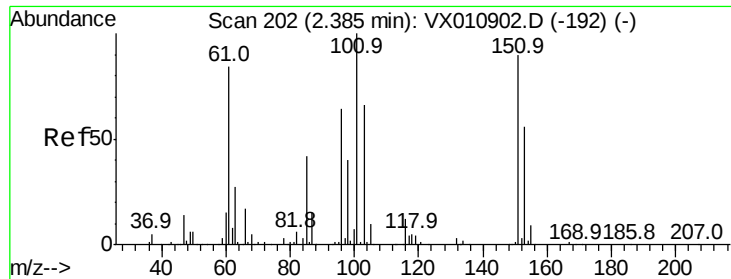


#8

Diethyl Ether
Concen: 49.189 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX011044.D
Acq: 22 Jul 2019 20:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.4	45.5	136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.864 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

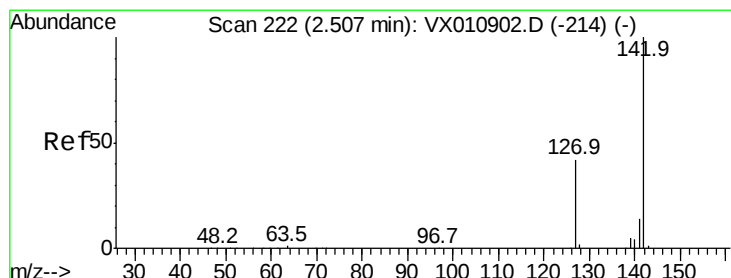
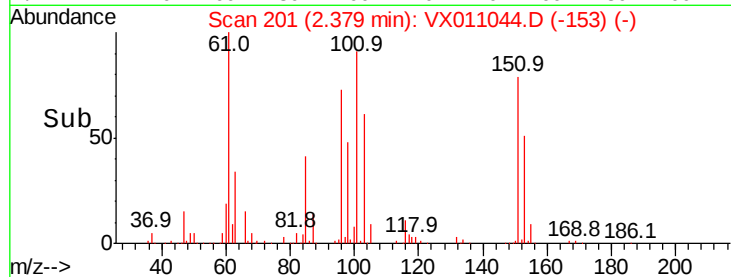
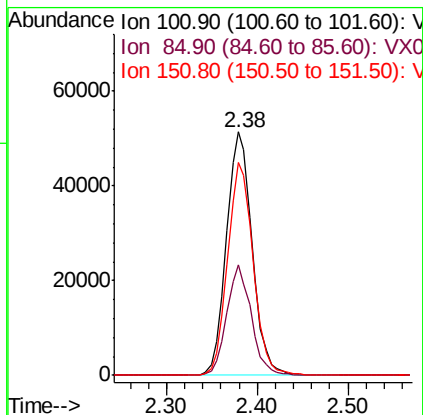
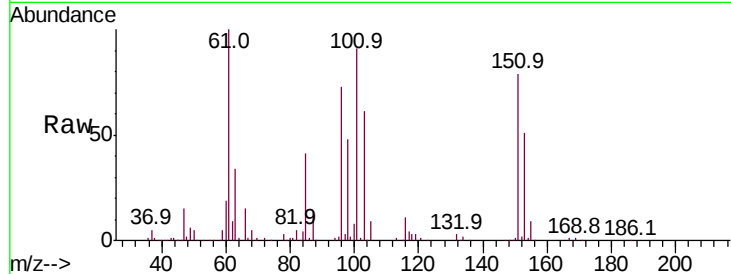
ClientSampleId :

SU19-MSW0620MSD

Tot Ion:	101	Resp:	101217
Ion Ratio	Lower	Upper	
101	100		
85	43.1	34.6	52.0
151	86.5	69.6	104.4

Manual Integrations
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#10

Methyl Iodide

Concen: 50.571 ug/l

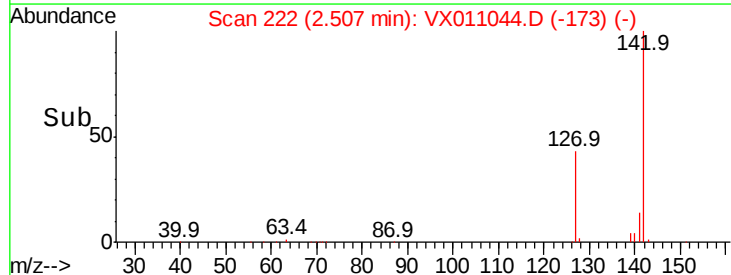
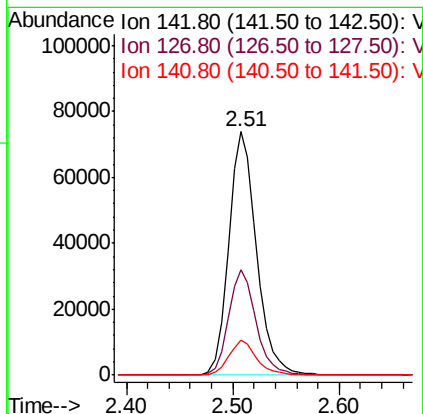
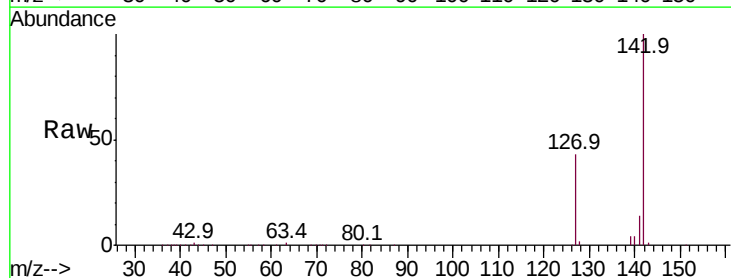
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Tgt Ion:	142	Resp:	134710
Ion Ratio	Lower	Upper	
142	100		
127	43.1	34.2	51.4
141	14.1	11.7	17.5





#11

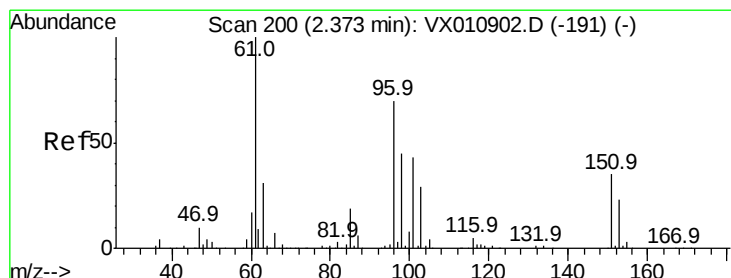
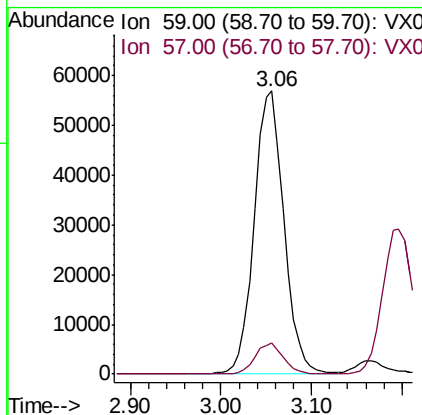
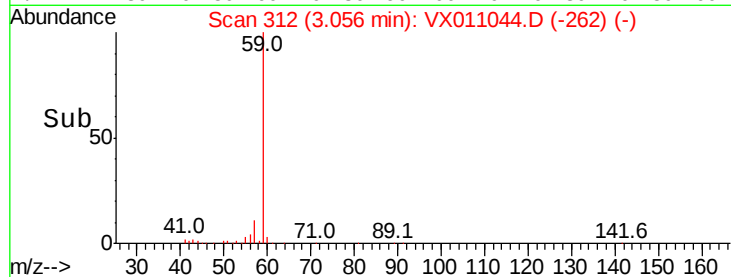
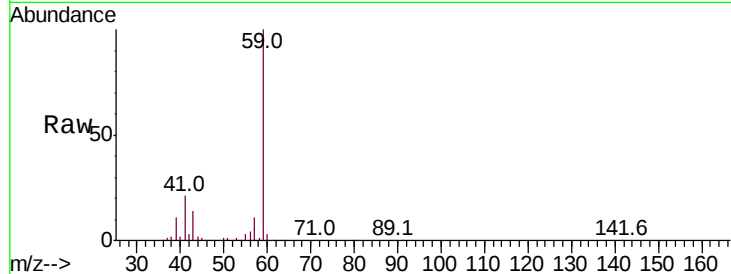
Tert butyl alcohol
Concen: 233.849 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX011044.D
Acq: 22 Jul 2019 20:30

Instrument :
MSVOA_X
ClientSampleId :
SU19-MSW0620MSD

Tot Ion: 59 Resp: 129727
Ion Ratio Lower Upper
59 100
57 10.5 7.9 11.9

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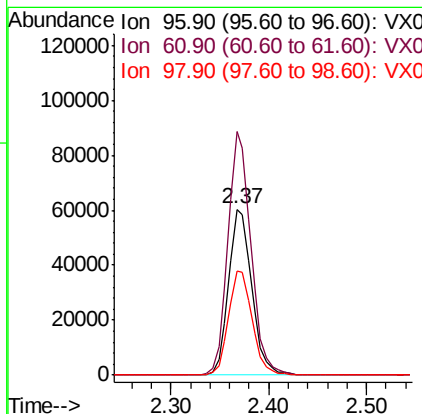
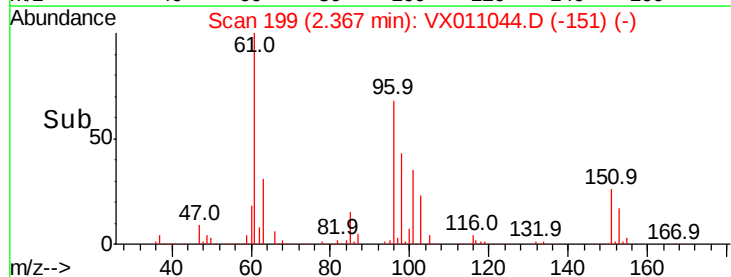
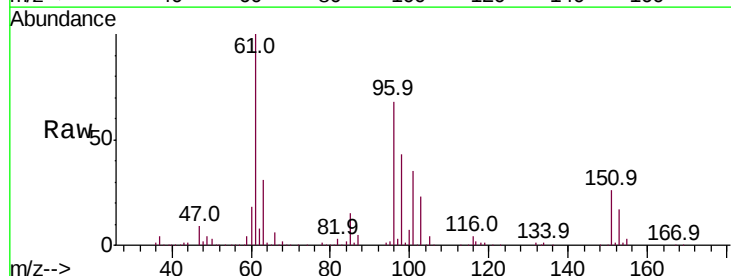
MMDadoda
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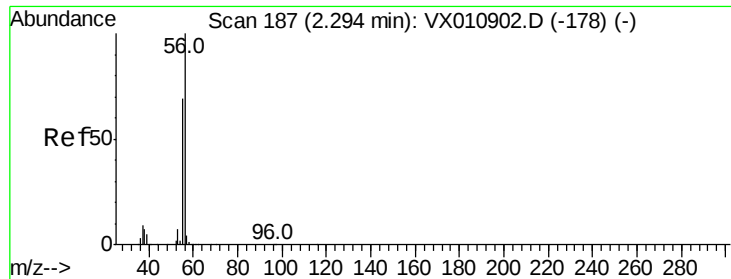


#12

1,1-Dichloroethene
Concen: 49.957 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX011044.D
Acq: 22 Jul 2019 20:30

Tgt Ion: 96 Resp: 99633
Ion Ratio Lower Upper
96 100
61 146.9 115.0 172.4
98 63.1 52.2 78.2





#13

Acrolein

Concen: 233.338 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0620MSD

Tot Ion: 56 Resp: 74788

Ion Ratio Lower Upper

56 100

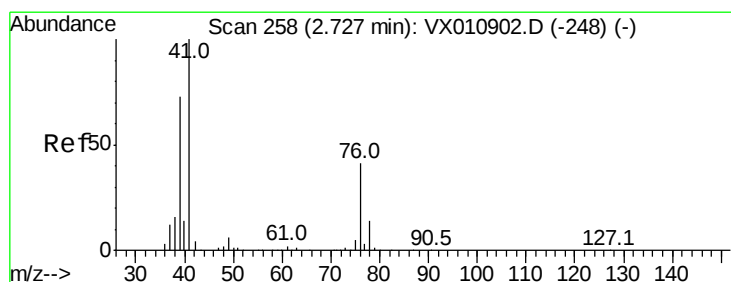
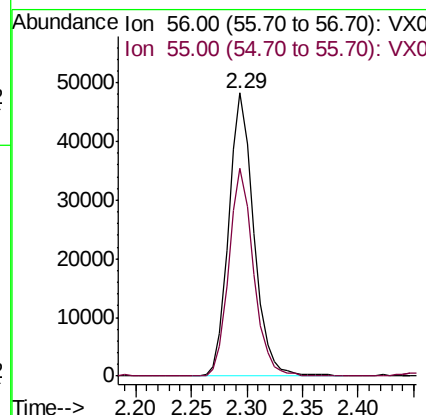
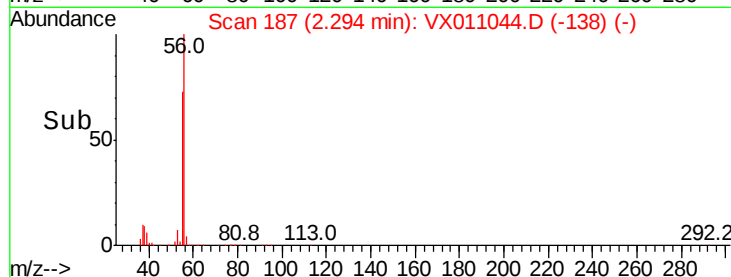
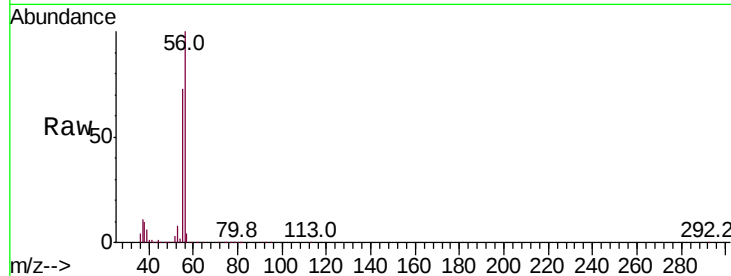
55 72.0 55.9 83.9

Manual Integrations

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#14

Allyl chloride

Concen: 49.944 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

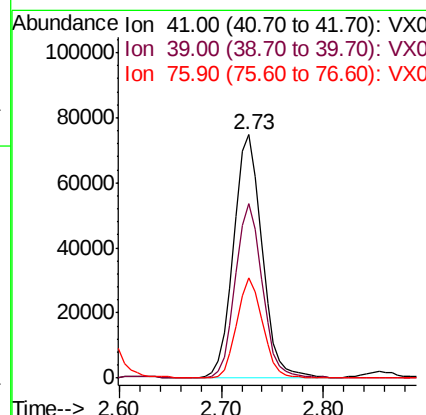
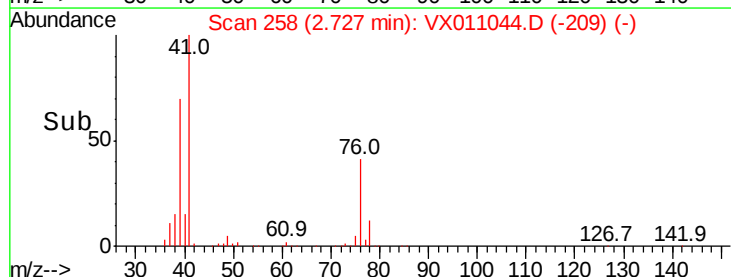
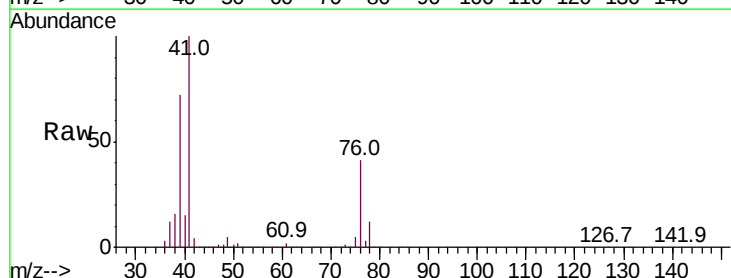
Tgt Ion: 41 Resp: 144684

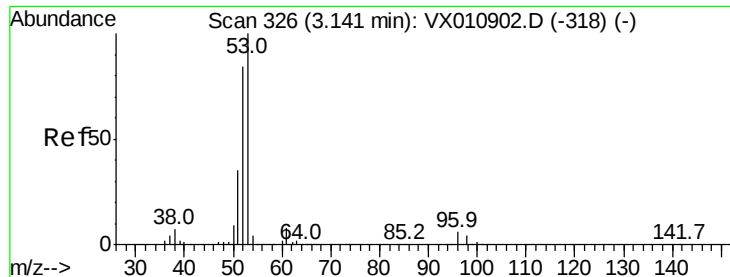
Ion Ratio Lower Upper

41 100

39 68.1 53.6 80.4

76 37.5 29.7 44.5





#15

Acrylonitrile

Concen: 260.454 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

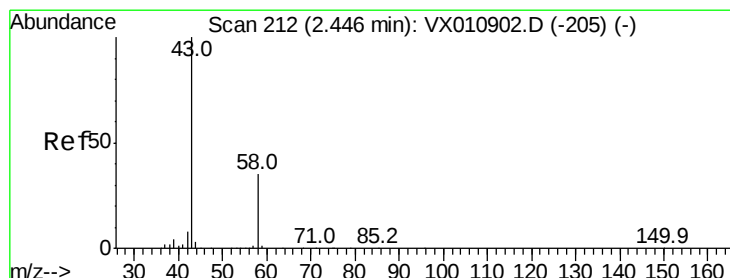
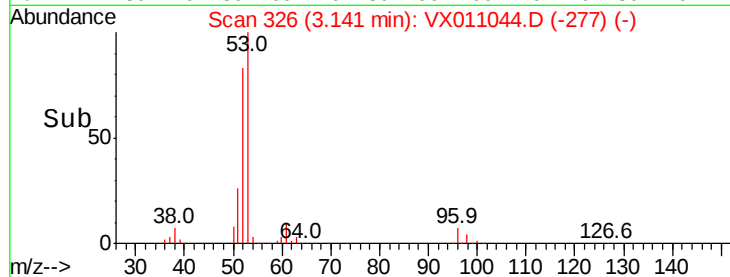
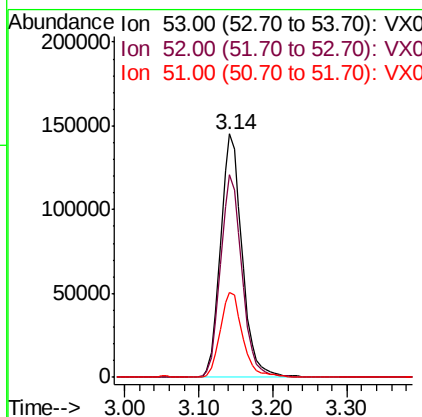
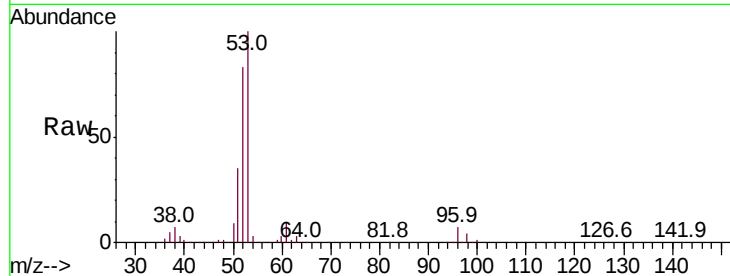
ClientSampled :

SU19-MSW0620MSD

Tot Ion:	53	Resp:	291962
Ion Ratio	Lower	Upper	
53	100		
52	83.0	66.5	99.7
51	36.6	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 230.540 ug/l

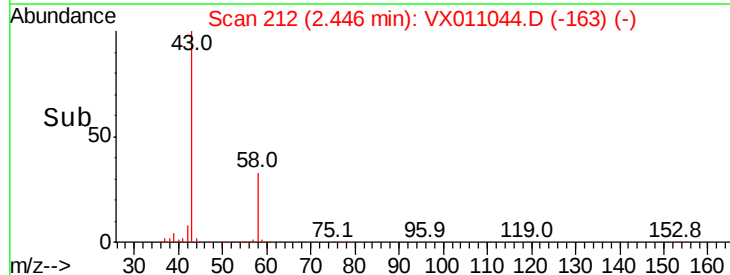
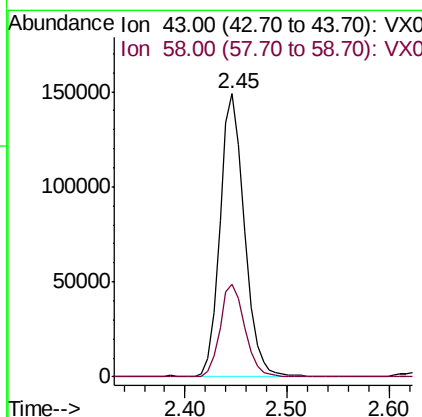
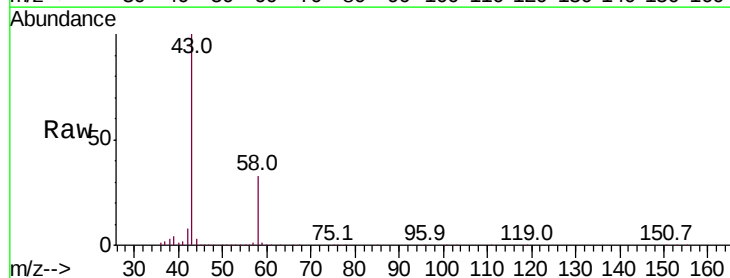
RT: 2.45 min Scan# 212

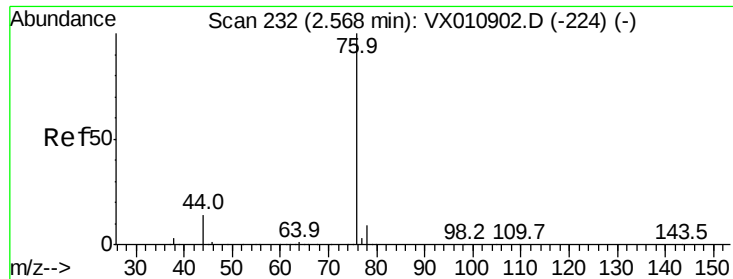
Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Tgt Ion:	43	Resp:	248022
Ion Ratio	Lower	Upper	
43	100		
58	32.8	27.7	41.5





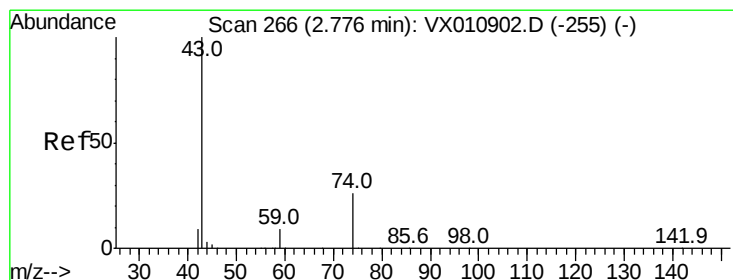
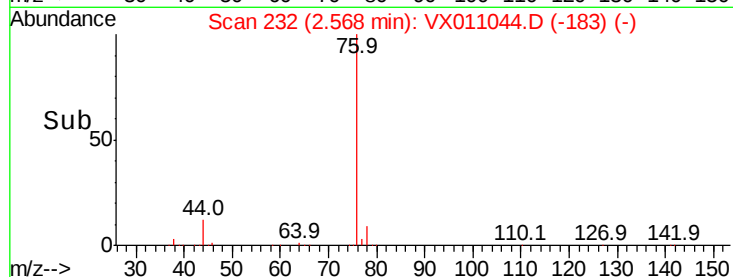
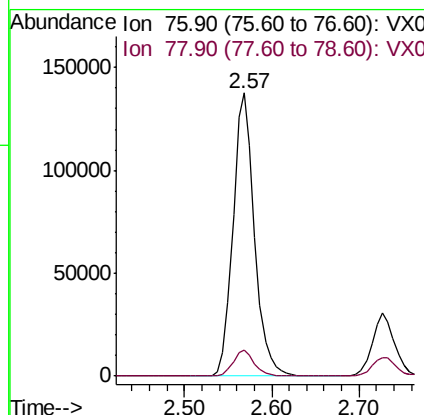
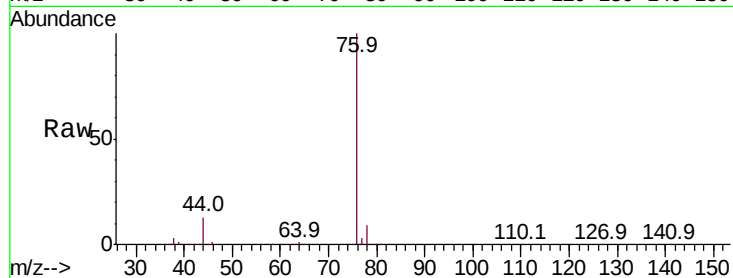
#17
Carbon Disulfide
Concen: 46.091 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX011044.D
Acq: 22 Jul 2019 20:30

Instrument :
MSVOA_X
ClientSampleId :
SU19-MSW0620MSD

Tot Ion: 76 Resp: 235794
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0

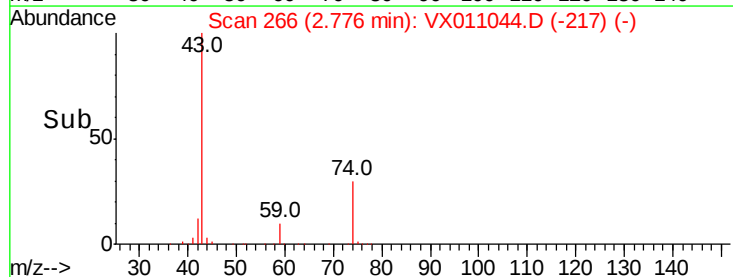
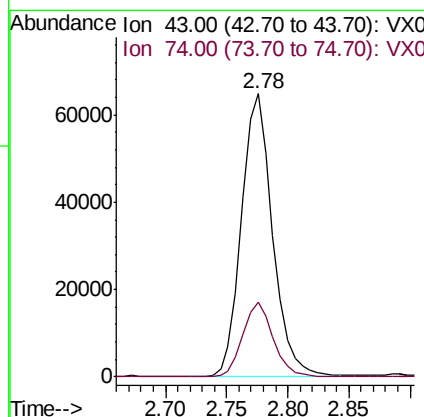
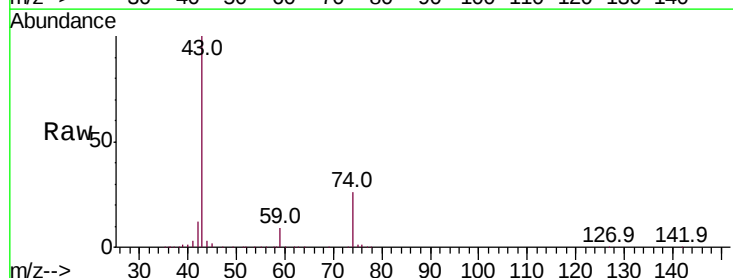
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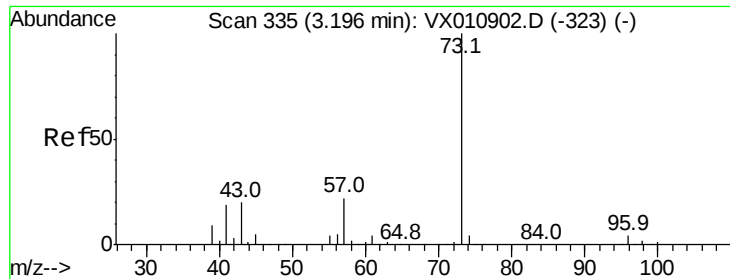
MMDadoda
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#18
Methyl Acetate
Concen: 46.402 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX011044.D
Acq: 22 Jul 2019 20:30

Tgt Ion: 43 Resp: 113670
Ion Ratio Lower Upper
43 100
74 26.4 21.5 32.3





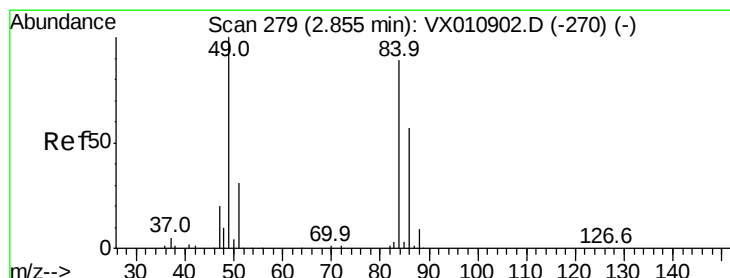
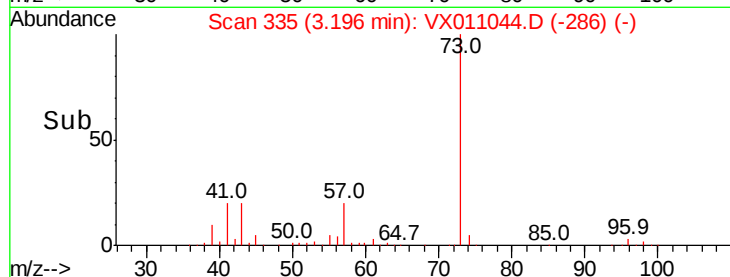
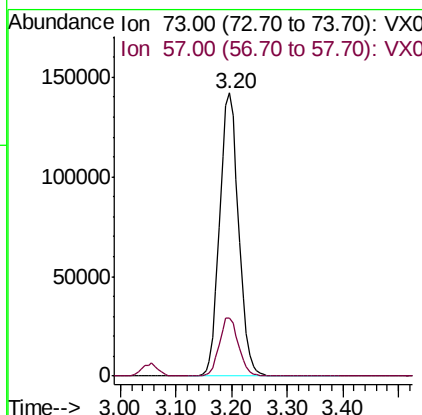
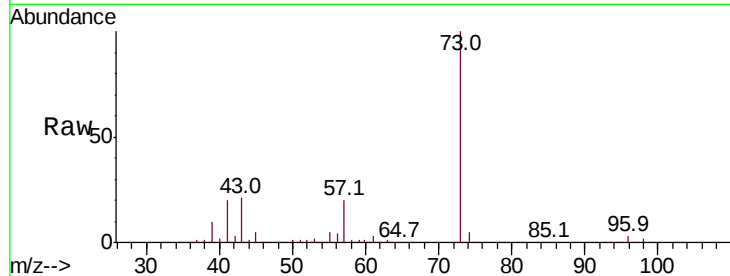
#19
Methyl tert-butyl Ether
Concen: 52.249 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX011044.D
Acq: 22 Jul 2019 20:30

Instrument :
MSVOA_X
ClientSampleId :
SU19-MSW0620MSD

Tot Ion: 73 Resp: 335455
Ion Ratio Lower Upper
73 100
57 20.5 17.3 25.9

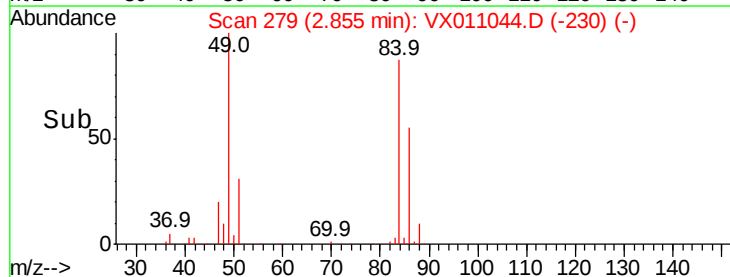
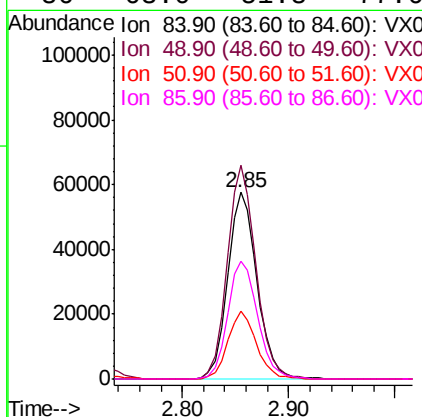
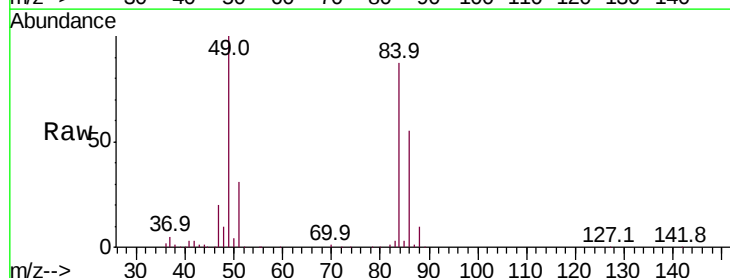
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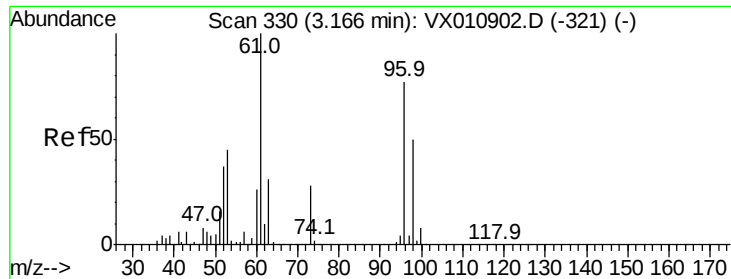
MMDadoda
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#20
Methylene Chloride
Concen: 48.544 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX011044.D
Acq: 22 Jul 2019 20:30

Tgt Ion: 84 Resp: 110676
Ion Ratio Lower Upper
84 100
49 114.3 89.9 134.9
51 36.0 27.8 41.6
86 63.0 51.8 77.6





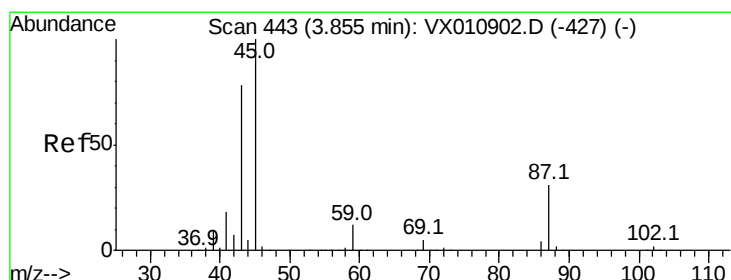
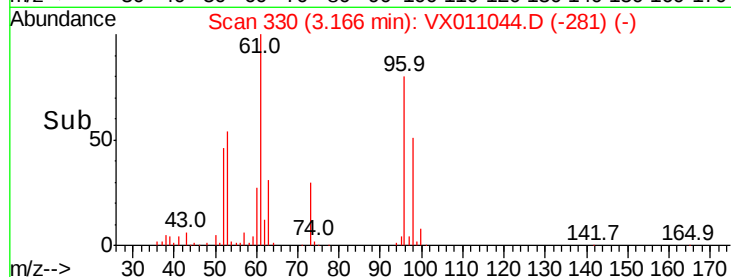
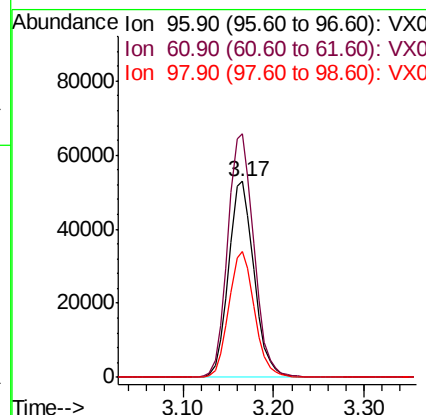
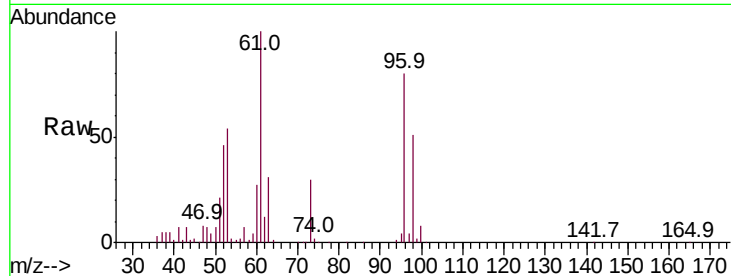
#21
trans-1,2-Dichloroethene
Concen: 49.050 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.00 min
Lab File: VX011044.D
Acq: 22 Jul 2019 20:30

Instrument :
MSVOA_X
ClientSampleId :
SU19-MSW0620MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	124.2	104.2	156.2
98	63.9	52.2	78.4

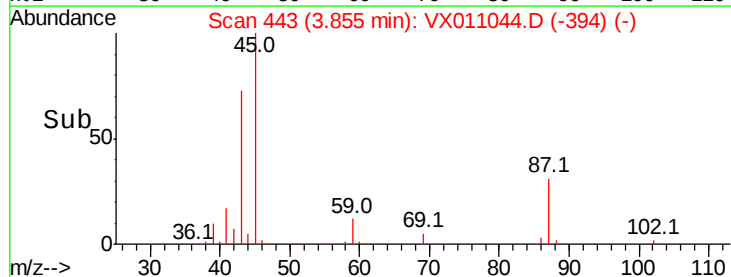
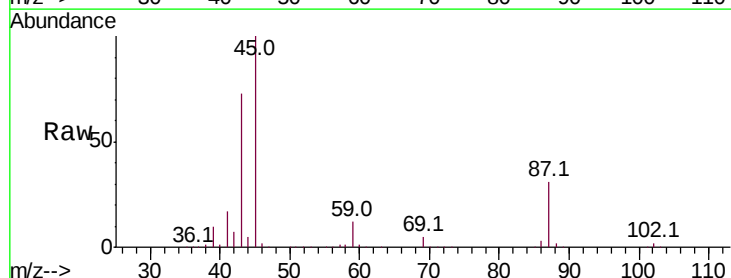
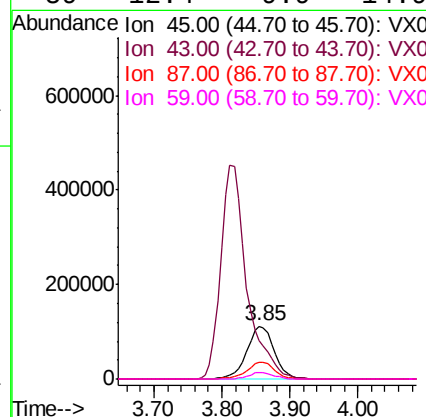
Manual Integrations
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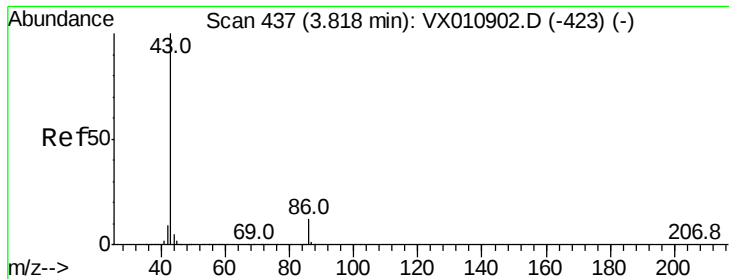
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#22
Diisopropyl ether
Concen: 50.491 ug/l
RT: 3.85 min Scan# 443
Delta R.T. 0.00 min
Lab File: VX011044.D
Acq: 22 Jul 2019 20:30

Tgt Ion	Ratio	Lower	Upper
45	100		
43	72.5	62.3	93.5
87	31.2	25.0	37.4
59	12.4	9.9	14.9





#23

Vinyl Acetate

Concen: 232.894 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0620MSD

Tot Ion: 43 Resp: 1205642

Ion Ratio Lower Upper

43 100

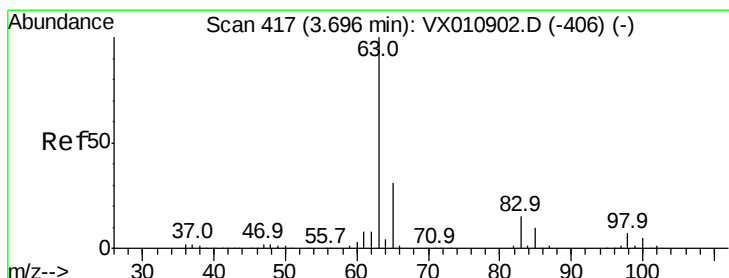
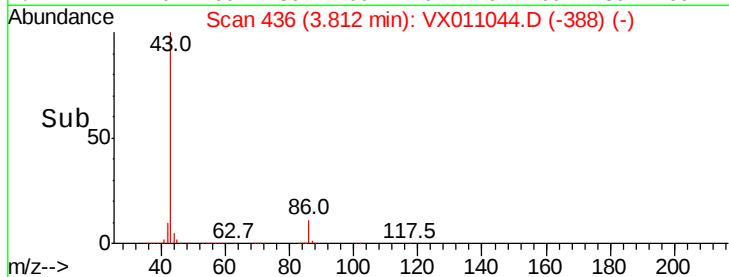
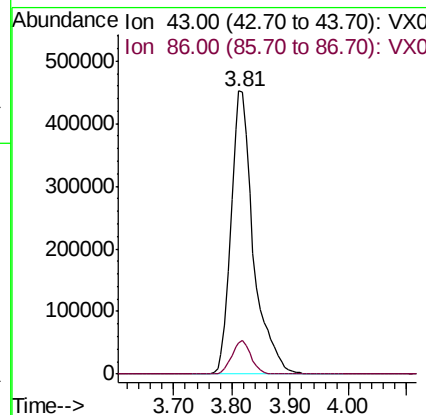
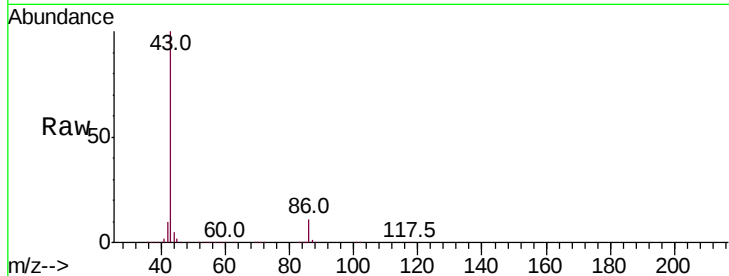
86 11.2 9.4 14.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.383 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

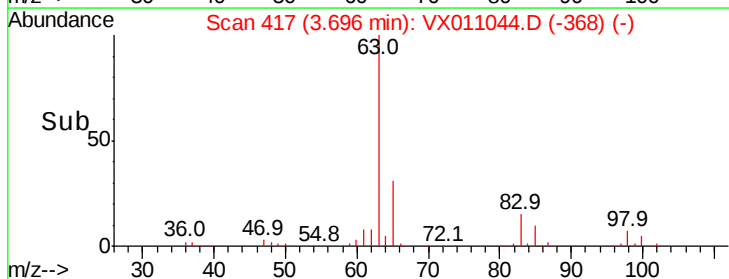
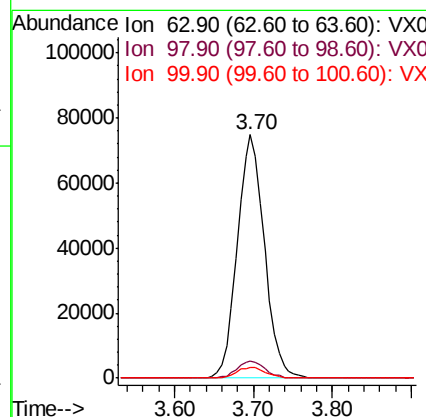
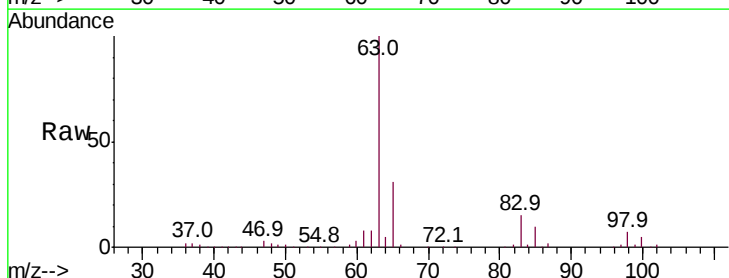
Tgt Ion: 63 Resp: 178771

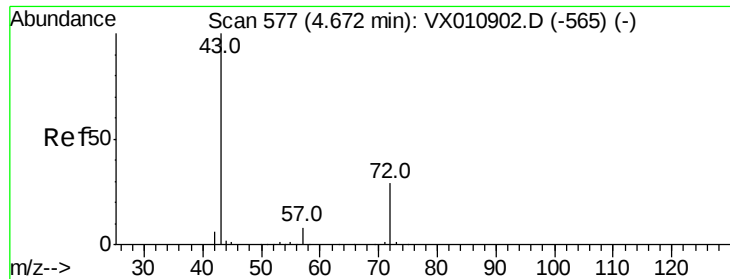
Ion Ratio Lower Upper

63 100

98 7.2 3.6 10.9

100 4.6 2.4 7.2





#25

2-Butanone

Concen: 258.521 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0620MSD

Tot Ion: 43 Resp: 399245

Ion Ratio Lower Upper

43 100

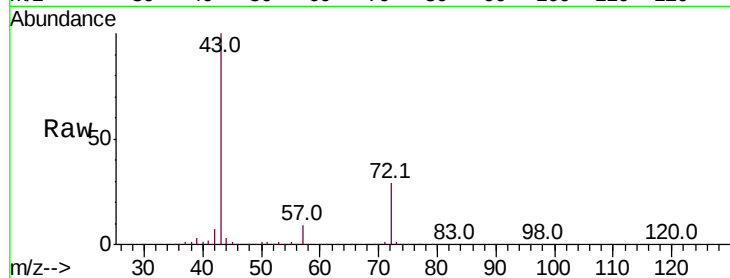
72 28.9 23.0 34.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

100000

50000

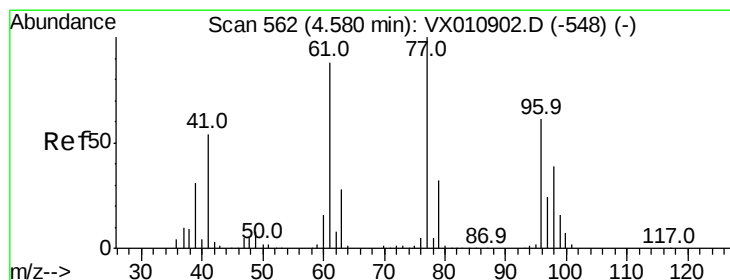
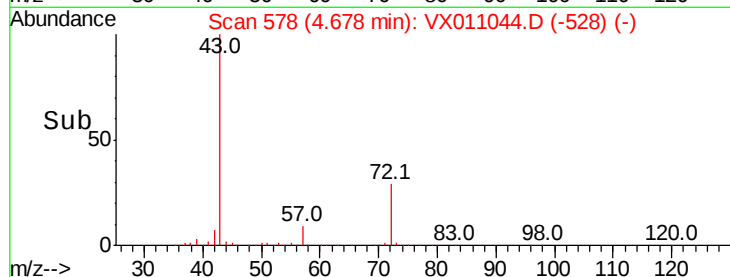
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 42.930 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX011044.D

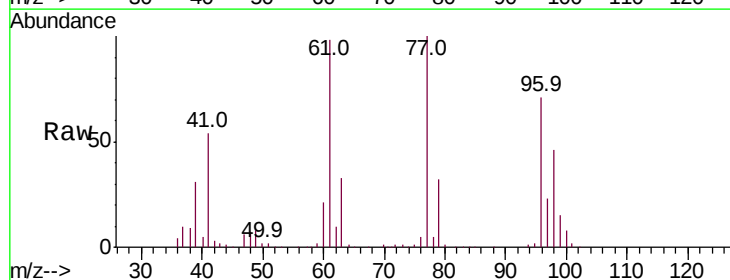
Acq: 22 Jul 2019 20:30

Tgt Ion: 77 Resp: 125073

Ion Ratio Lower Upper

77 100

97 25.0 12.6 37.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

20000

10000

0

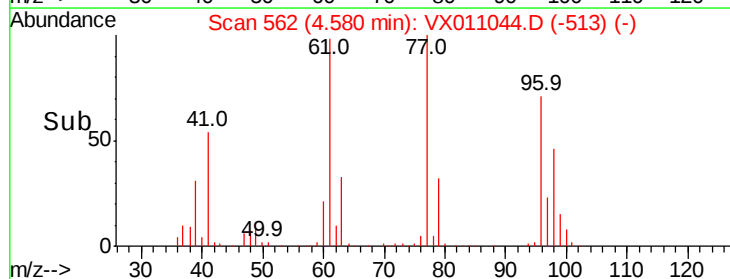
4.40

4.50

4.60

4.70

Time-->





#27

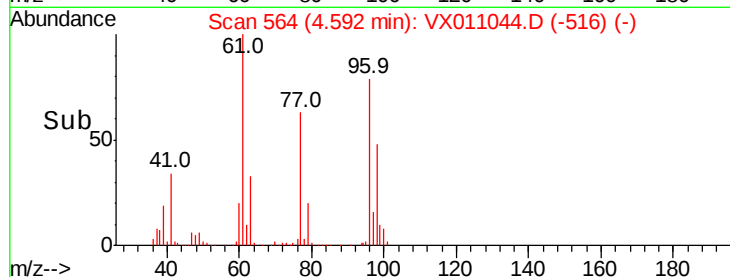
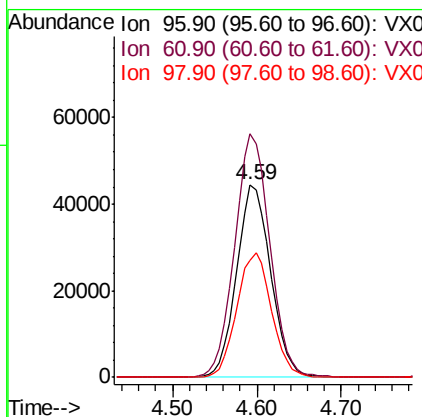
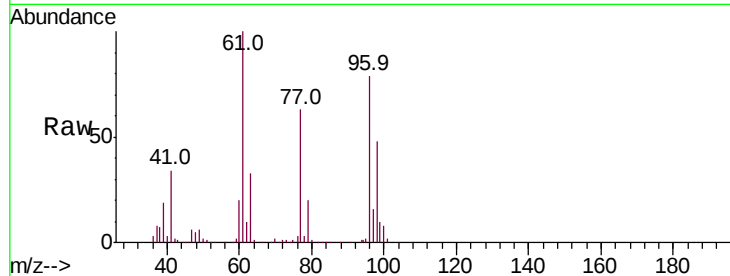
cis-1,2-Dichloroethene
 Concen: 49.692 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX011044.D
 Acq: 22 Jul 2019 20:30

Instrument :
 MSVOA_X
 ClientSampleId :
 SU19-MSW0620MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	121698		
61	131.2	0.0	269.0	
98	65.8	0.0	131.4	

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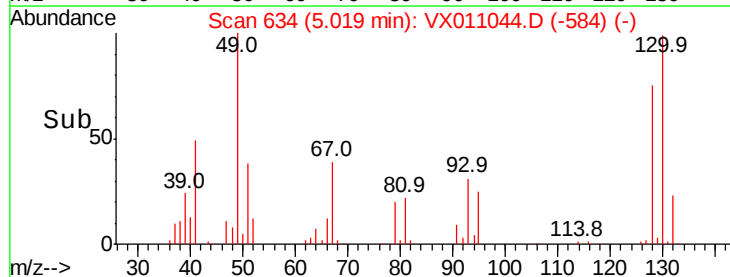
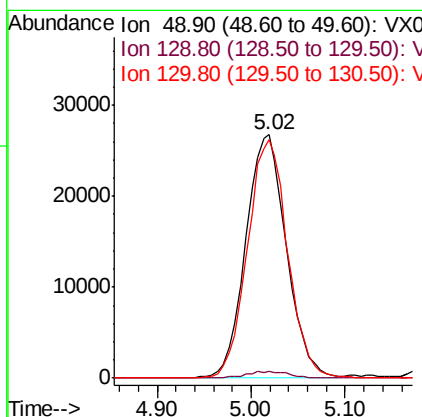
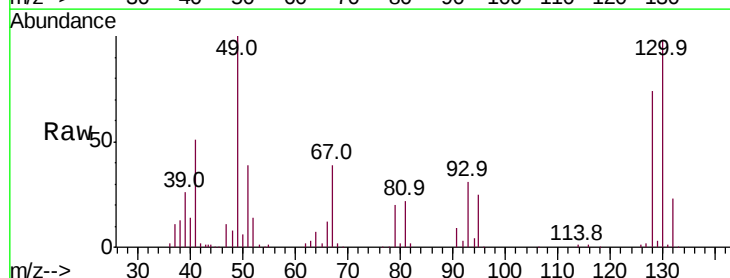
MMDadoda
 7/23/2019 11:12:22 AM

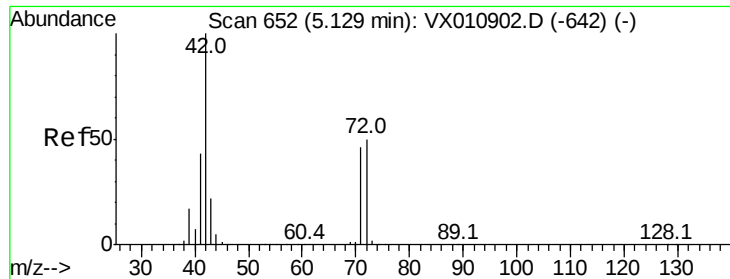


#28

Bromochloromethane
 Concen: 48.402 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.01 min
 Lab File: VX011044.D
 Acq: 22 Jul 2019 20:30

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	80932		
129	2.7	0.0	5.2	
130	97.0	76.9	115.3	





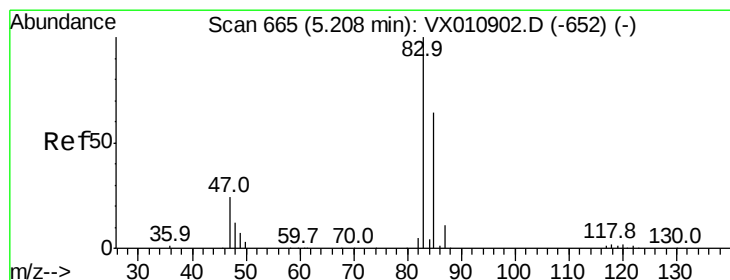
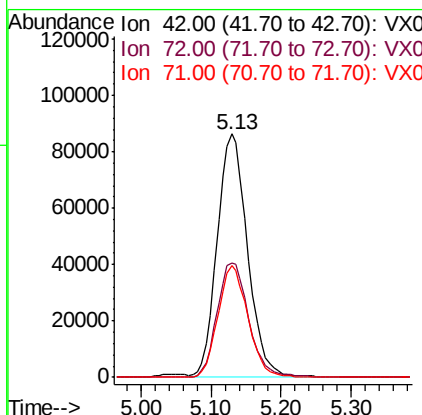
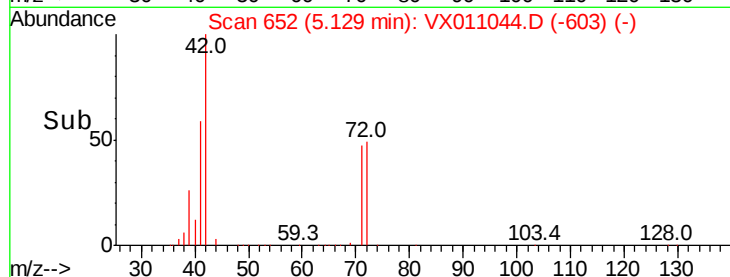
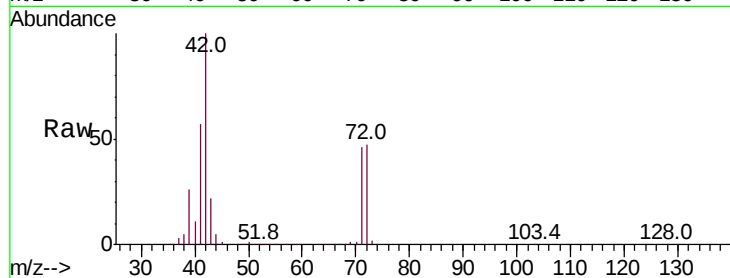
#29
Tetrahydrofuran
Concen: 264.958 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX011044.D
Acq: 22 Jul 2019 20:30

Instrument :
MSVOA_X
ClientSampleId :
SU19-MSW0620MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.1	39.8	59.8
71	45.6	37.0	55.4

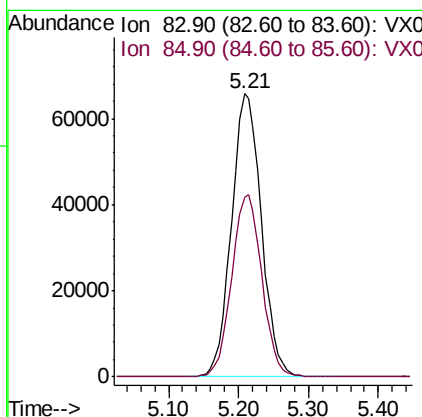
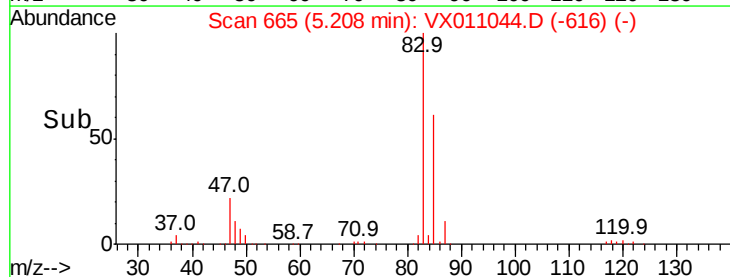
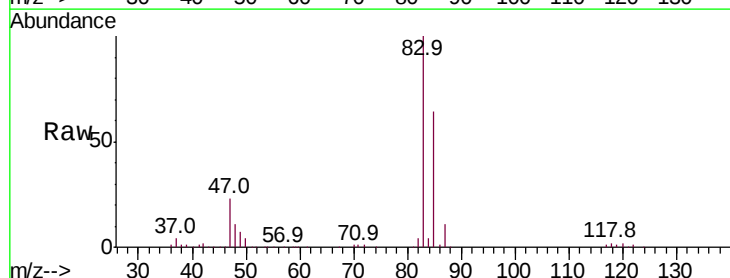
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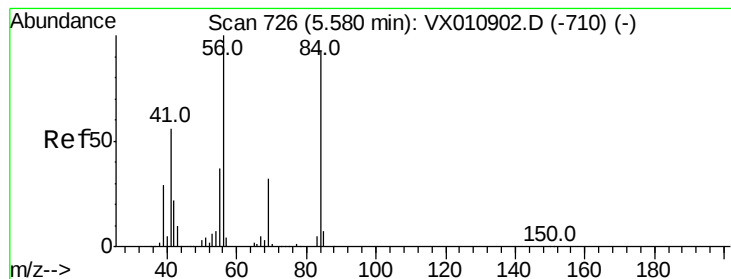
MMDadoda
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#30
Chloroform
Concen: 50.940 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX011044.D
Acq: 22 Jul 2019 20:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.4	77.0





#31

Cyclohexane

Concen: 48.066 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0620MSD

Tot Ion: 56 Resp: 155455

Ion Ratio Lower Upper

56 100

69 32.6 25.8 38.8

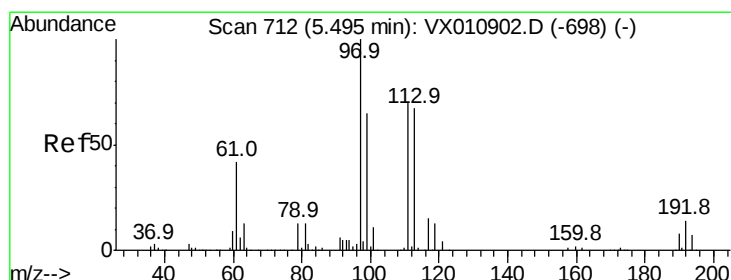
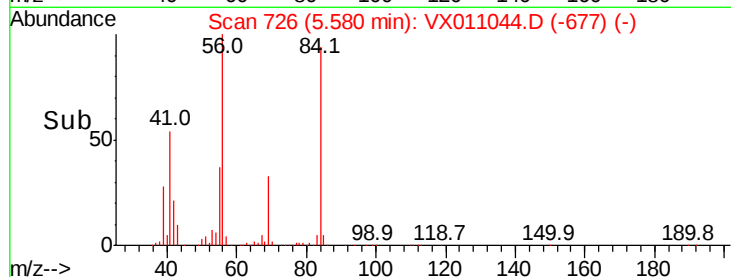
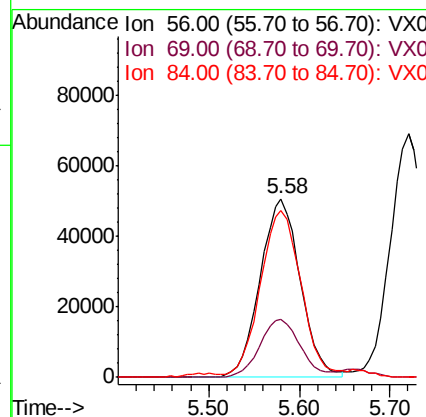
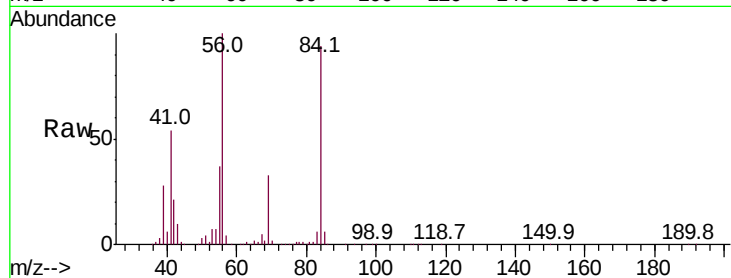
84 92.3 73.8 110.6

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#32

1,1,1-Trichloroethane

Concen: 52.216 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

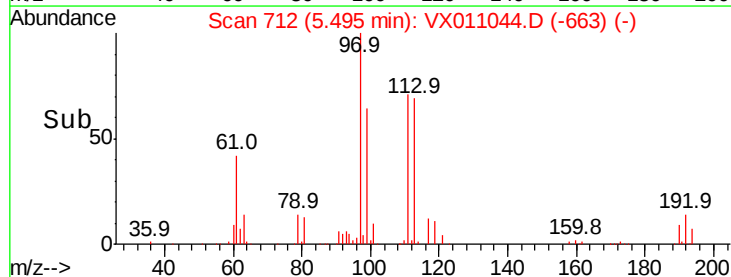
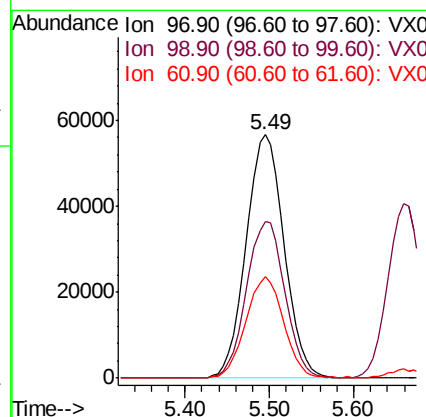
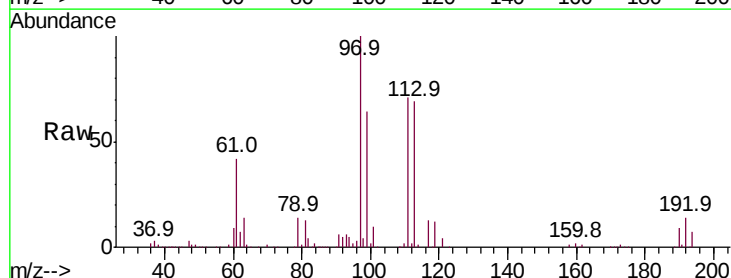
Tgt Ion: 97 Resp: 173261

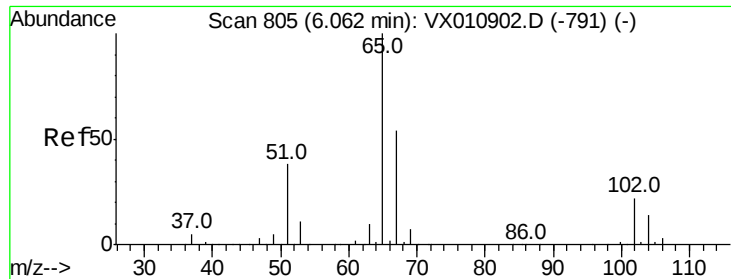
Ion Ratio Lower Upper

97 100

99 65.3 51.4 77.0

61 41.6 33.0 49.6





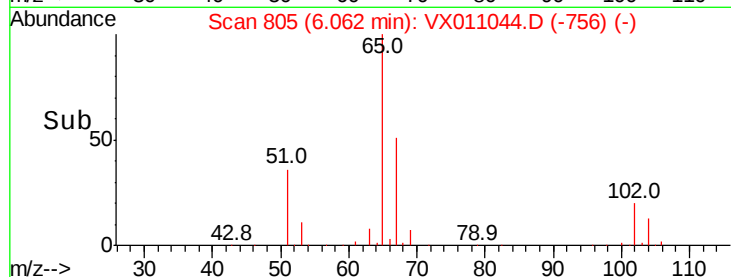
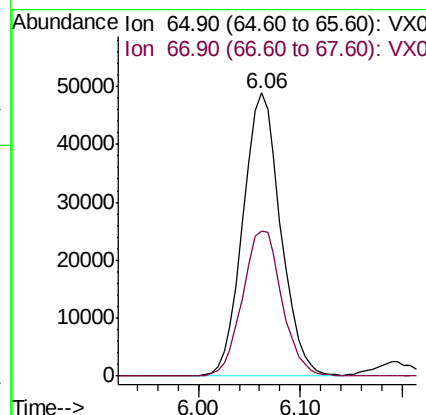
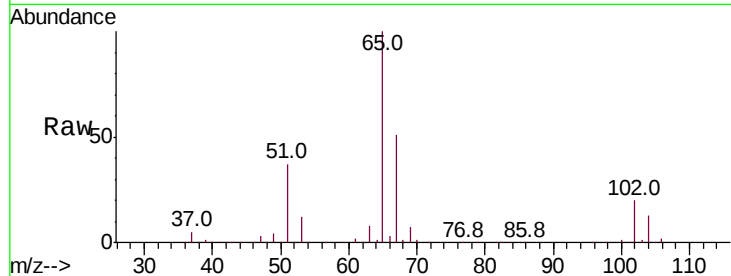
#33
 1,2-Dichloroethane-d4
 Concen: 52.913 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX011044.D
 Acq: 22 Jul 2019 20:30

Instrument :
 MSVOA_X
 ClientSampleId :
 SU19-MSW0620MSD

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	107.8

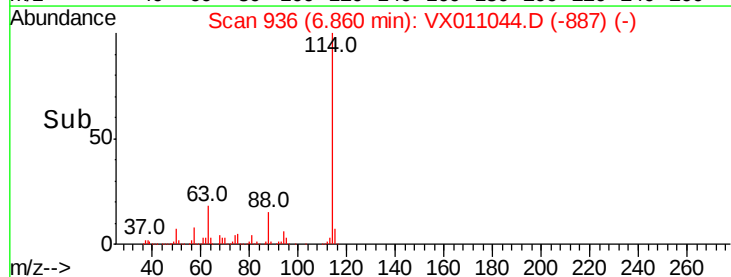
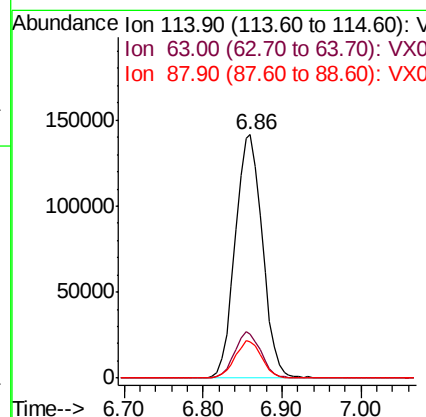
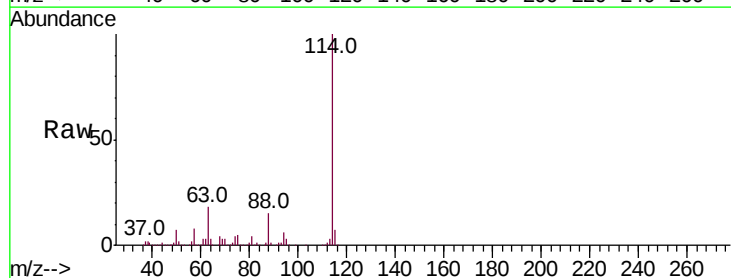
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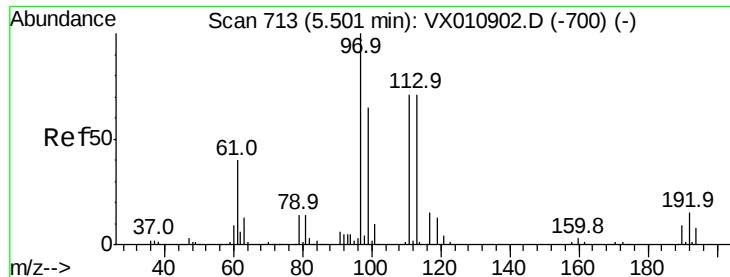
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX011044.D
 Acq: 22 Jul 2019 20:30

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	35.6
88	14.7	0.0	29.8





#35

Dibromofluoromethane

Concen: 52.226 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

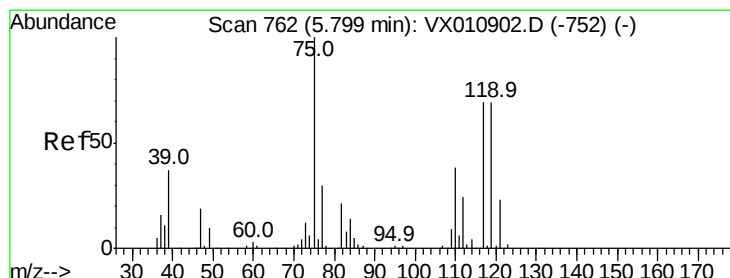
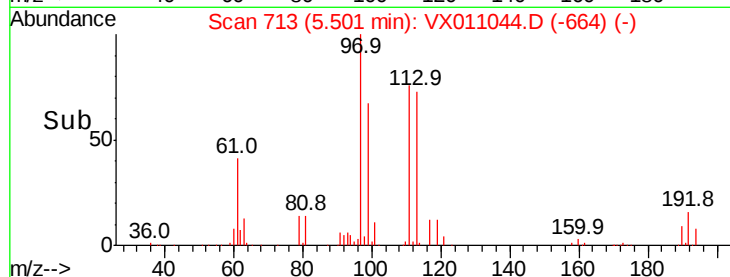
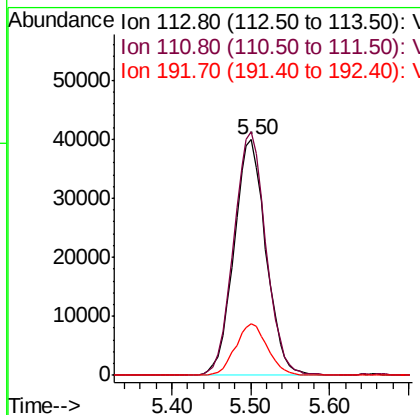
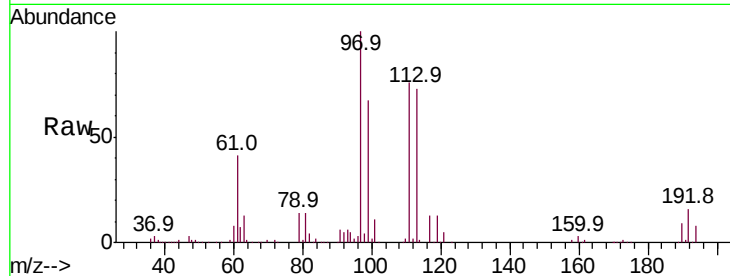
ClientSampleId :

SU19-MSW0620MSD

Tot Ion:	113	Resp:	112608
Ion Ratio	Lower	Upper	
113	100		
111	104.1	82.3	123.5
192	21.9	17.4	26.2

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#36

1,1-Dichloropropene

Concen: 49.844 ug/l

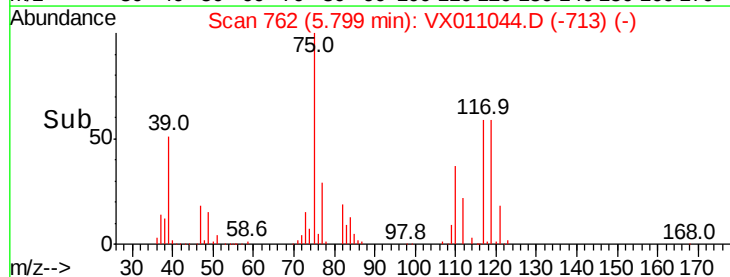
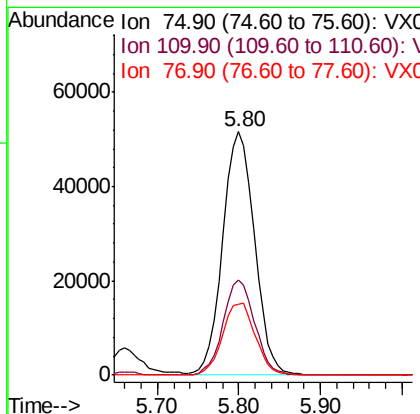
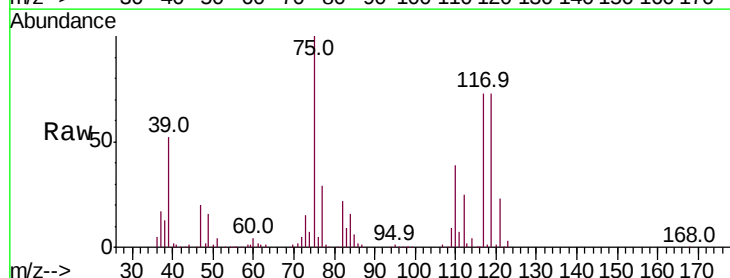
RT: 5.80 min Scan# 762

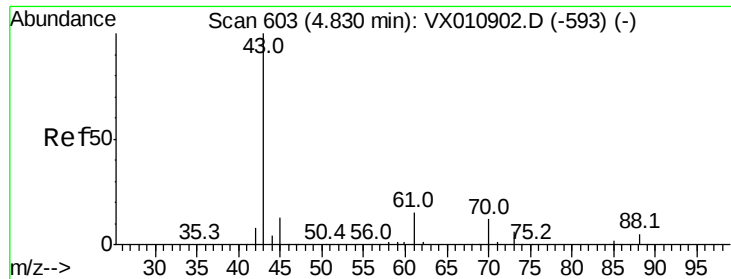
Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Tgt Ion:	75	Resp:	139082
Ion Ratio	Lower	Upper	
75	100		
110	38.9	19.9	59.7
77	30.6	25.0	37.4





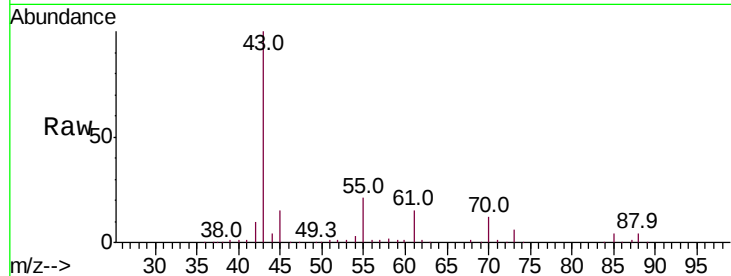
#37
Ethyl Acetate
Concen: 47.128 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX011044.D
Acq: 22 Jul 2019 20:30

Instrument :
MSVOA_X
ClientSampled :
SU19-MSW0620MSD

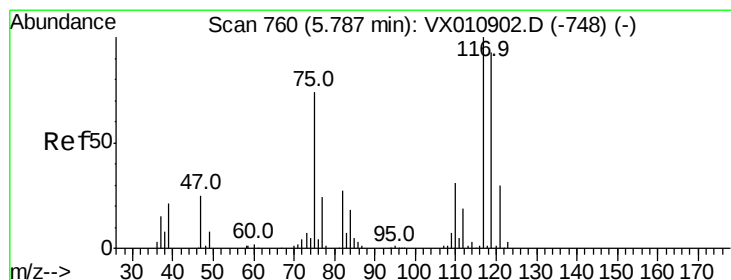
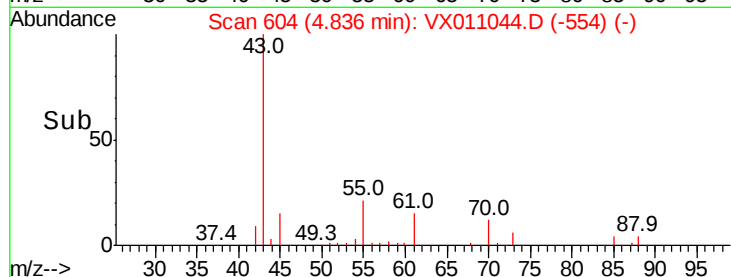
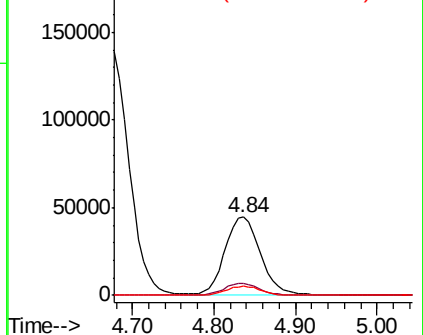
Tot Ion:	43	Resp:	134656
Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.6	17.4
70	11.7	9.1	13.7

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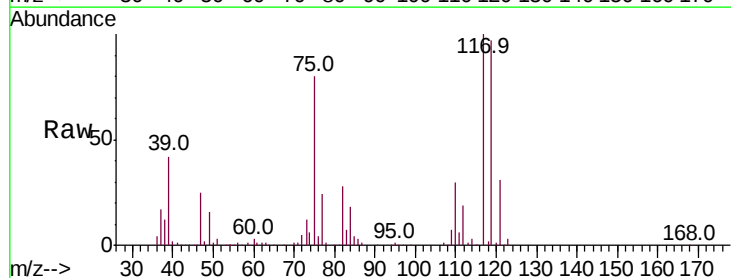


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

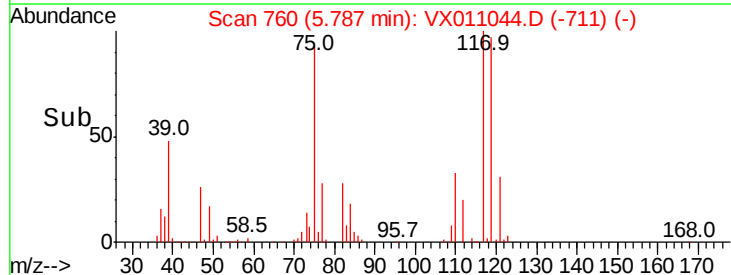
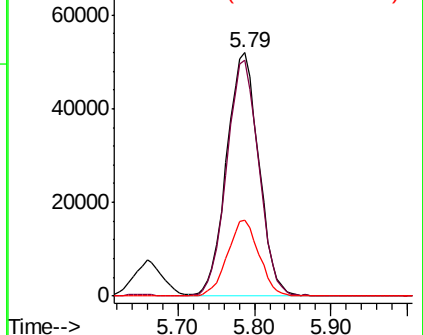


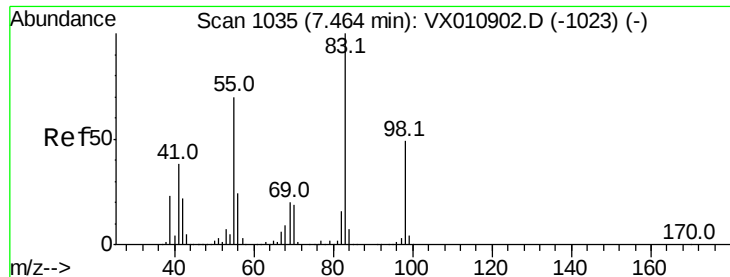
#38
Carbon Tetrachloride
Concen: 52.156 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX011044.D
Acq: 22 Jul 2019 20:30

Tgt Ion:	117	Resp:	151652
Ion	Ratio	Lower	Upper
117	100		
119	96.5	74.2	111.2
121	31.0	24.2	36.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





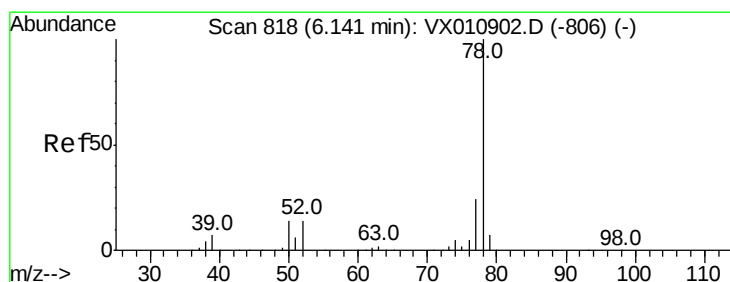
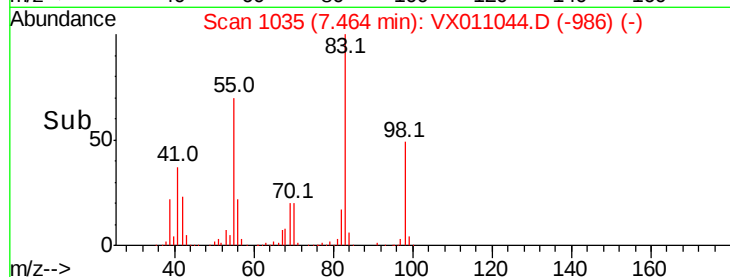
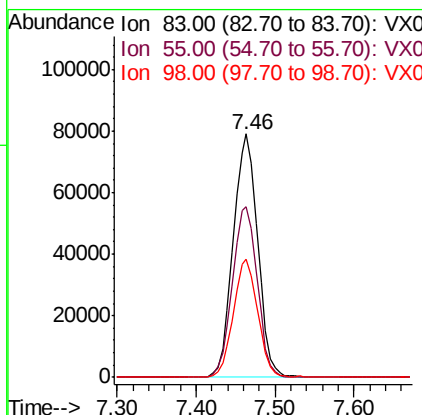
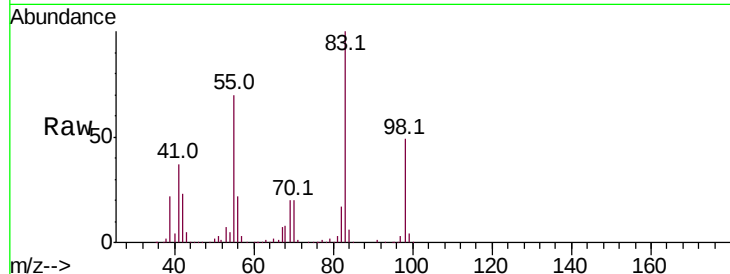
#39
Methvlcvclohexane
Concen: 47.241 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX011044.D
Acq: 22 Jul 2019 20:30

Instrument :
MSVOA_X
ClientSampleId :
SU19-MSW0620MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.2	56.2	84.4
98	48.7	39.0	58.4

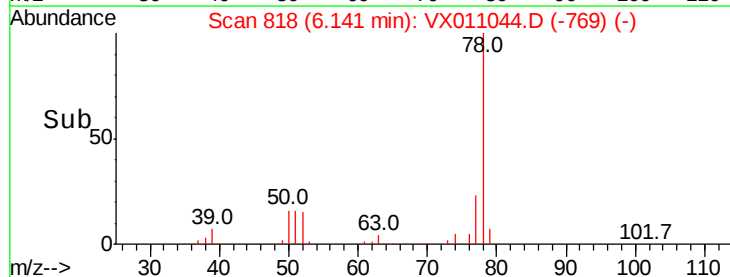
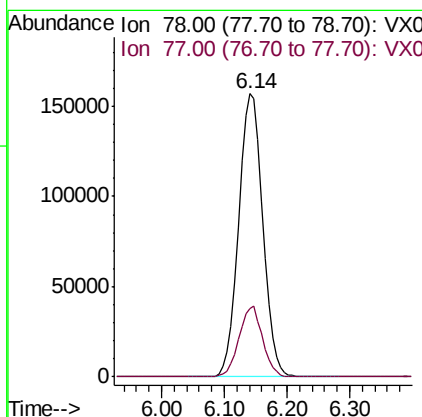
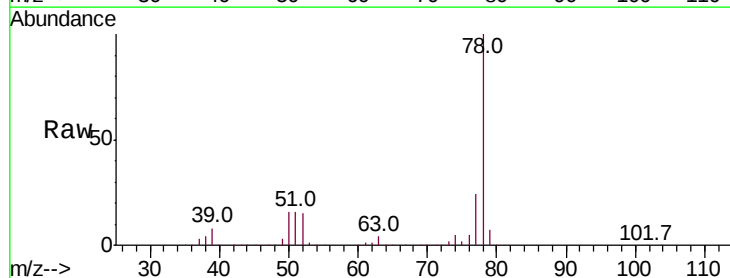
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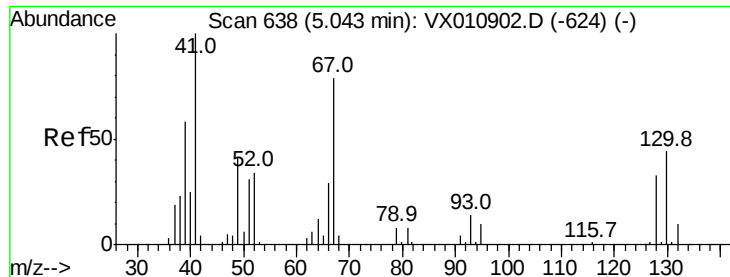
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#40
Benzene
Concen: 48.853 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX011044.D
Acq: 22 Jul 2019 20:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.6





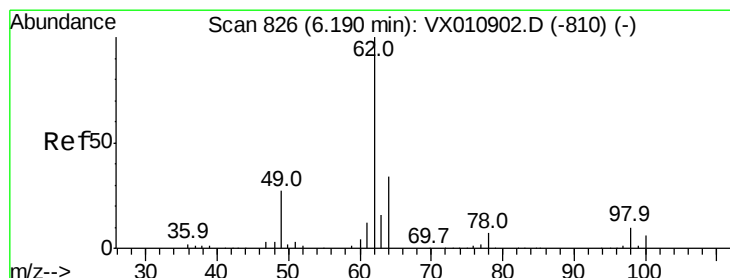
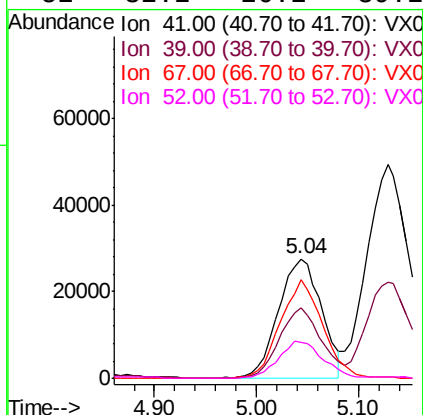
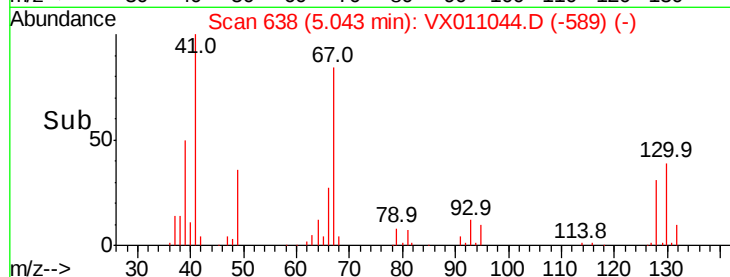
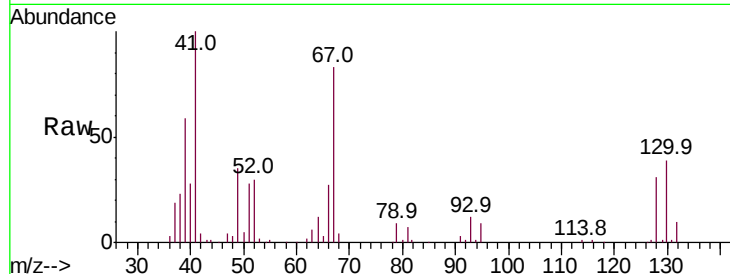
#41
Methacrylonitrile
Concen: 49.455 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX011044.D
Acq: 22 Jul 2019 20:30

Instrument :
MSVOA_X
ClientSampleId :
SU19-MSW0620MSD

Tot Ion	Ratio	Lower	Upper
41	100		
39	58.7	45.4	68.2
67	81.9	65.9	98.9
52	32.2	26.2	39.2

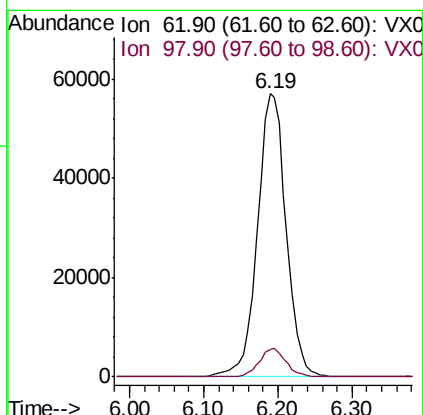
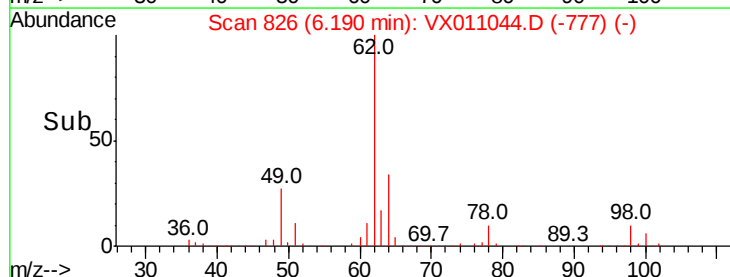
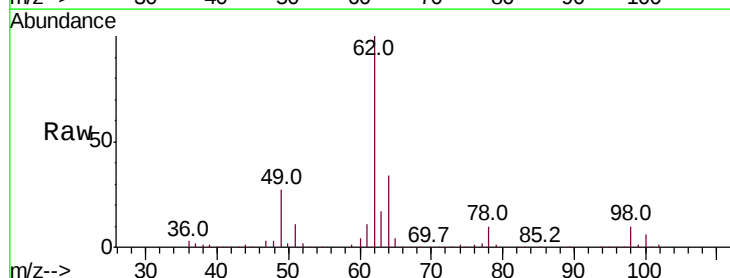
Manual Integrations
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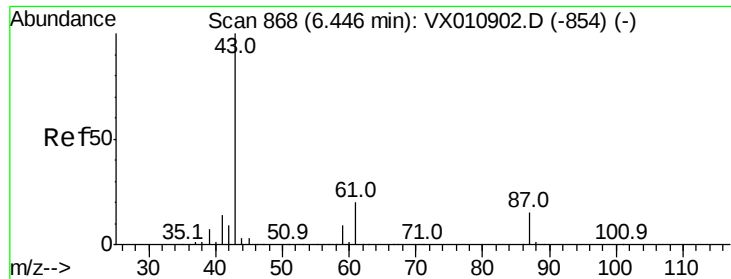
MMDadoda
7/23/2019 11:12:22 AM



#42
1,2-Dichloroethane
Concen: 51.332 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX011044.D
Acq: 22 Jul 2019 20:30

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	20.0





#43

Isopropyl Acetate

Concen: 49.313 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

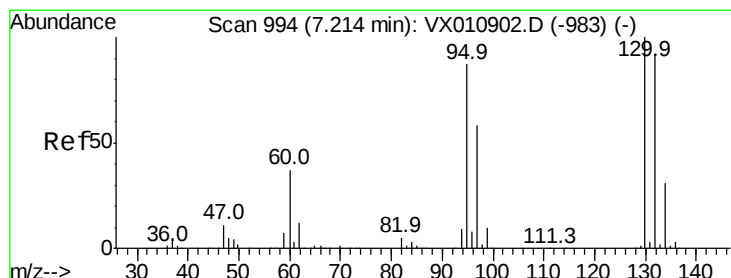
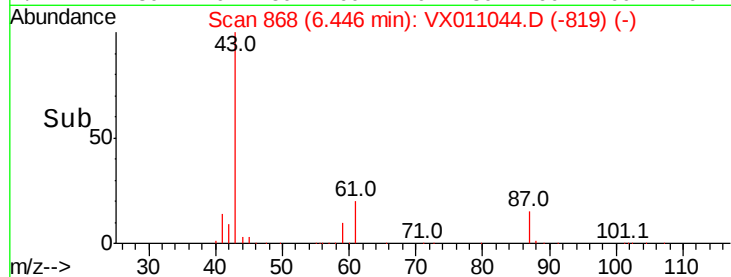
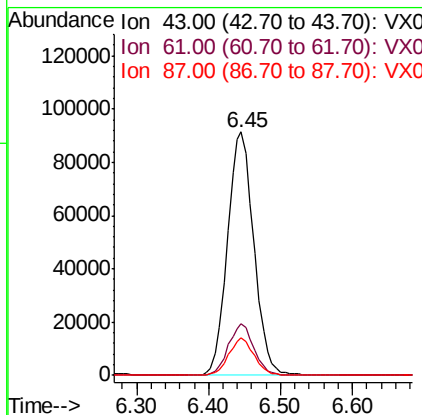
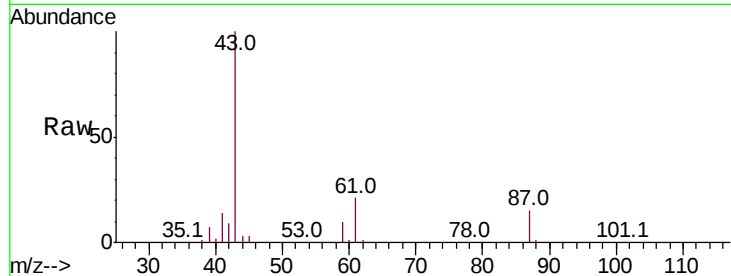
ClientSampleId :

SU19-MSW0620MSD

Tot Ion:	43	Resp:	231679
Ion	Ratio	Lower	Upper
43	100		
61	20.4	17.1	25.7
87	14.8	12.0	18.0

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#44

Trichloroethene

Concen: 48.843 ug/l

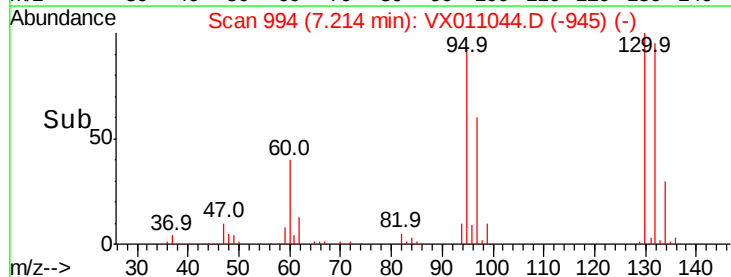
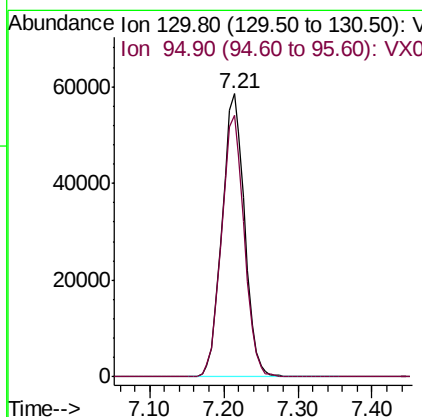
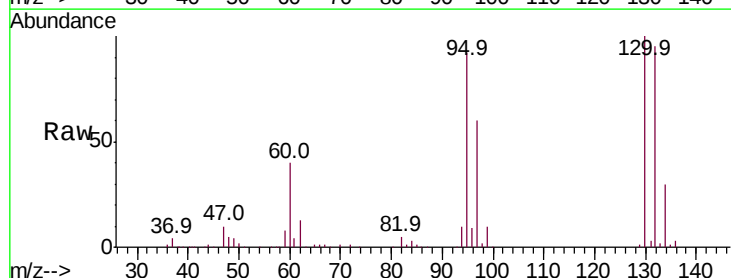
RT: 7.21 min Scan# 994

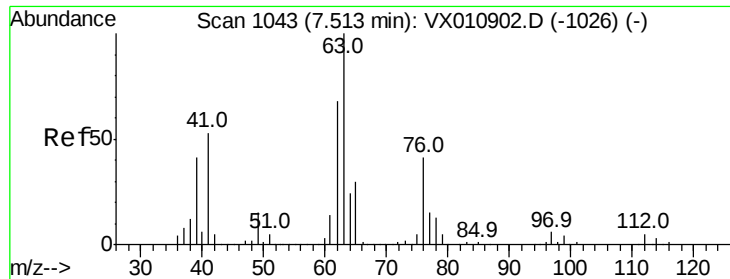
Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Tgt Ion:	130	Resp:	123576
Ion	Ratio	Lower	Upper
130	100		
95	92.4	0.0	174.8





#45

1,2-Dichloropropane

Concen: 49.497 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0620MSD

Tot Ion: 63 Resp: 107681

Ion Ratio Lower Upper

63 100

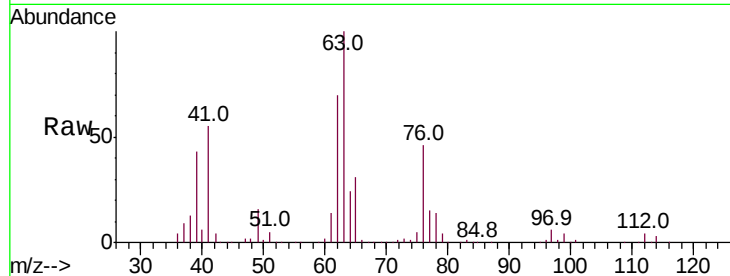
65 30.5 24.4 36.6

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

60000

50000

40000

30000

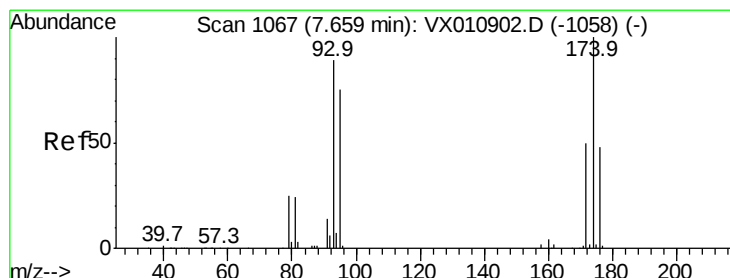
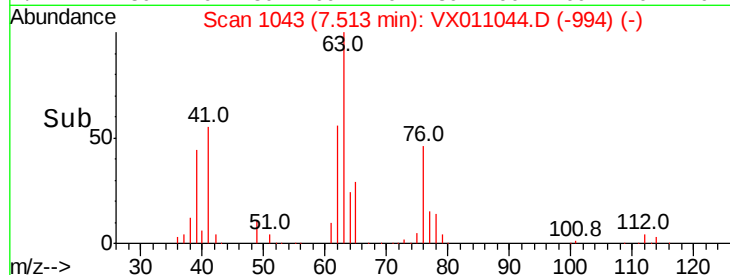
20000

10000

0

7.40 7.50 7.60

Time-->



#46

Dibromomethane

Concen: 51.889 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

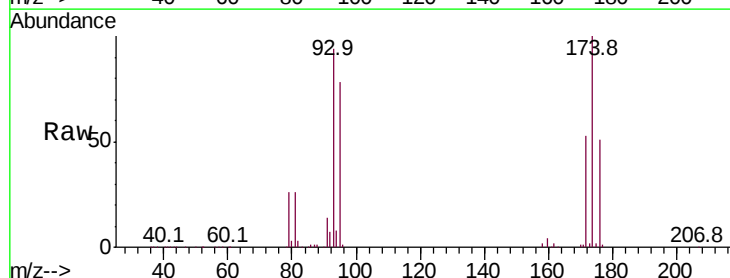
Tgt Ion: 93 Resp: 80663

Ion Ratio Lower Upper

93 100

95 83.3 67.2 100.8

174 109.6 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

60000

50000

40000

30000

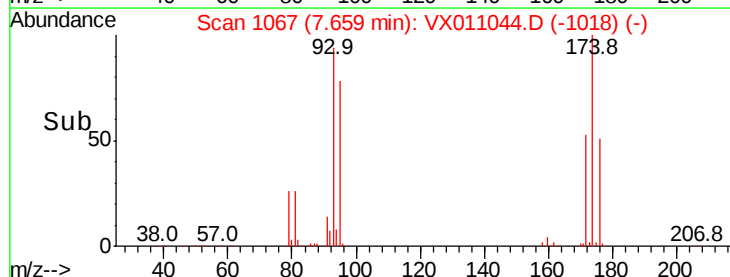
20000

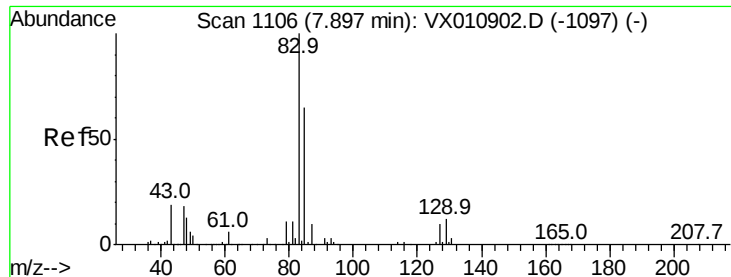
10000

0

7.60 7.70 7.80

Time-->





#47

Bromodichloromethane

Concen: 53.250 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0620MSD

Tot Ion: 83 Resp: 147352

Ion Ratio Lower Upper

83 100

85 64.6 52.5 78.7

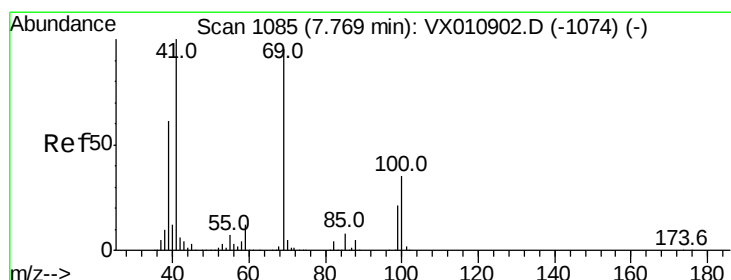
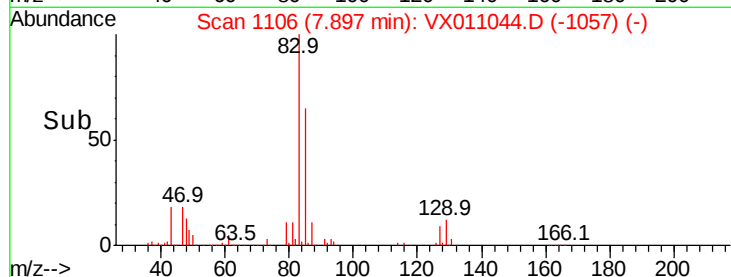
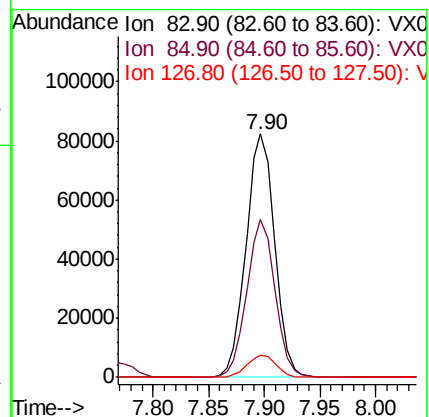
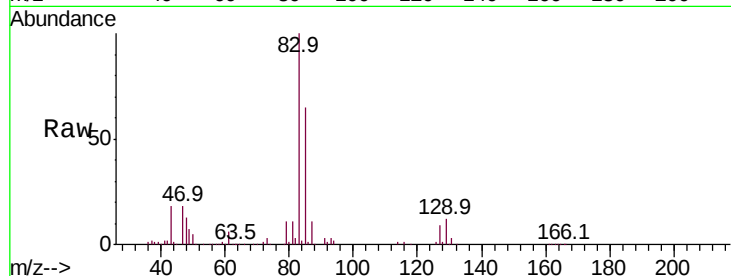
127 9.0 7.8 11.8

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#48

Methyl methacrylate

Concen: 52.698 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

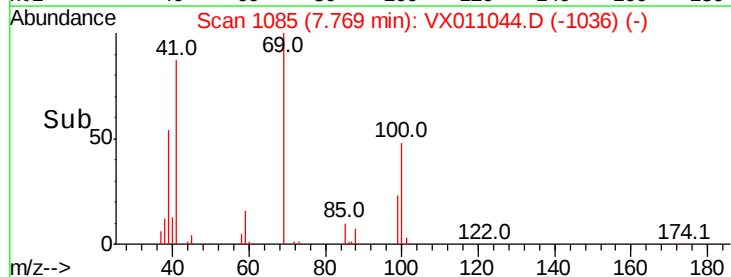
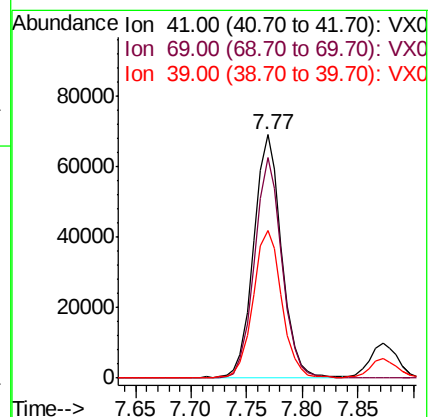
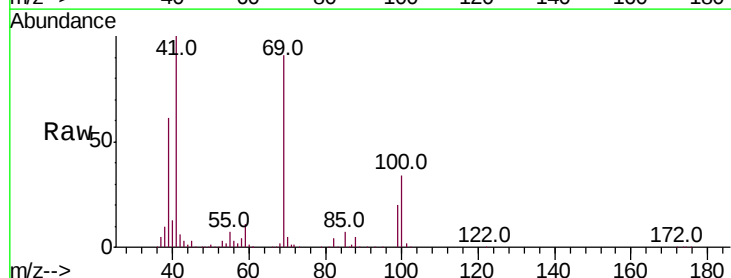
Tgt Ion: 41 Resp: 120610

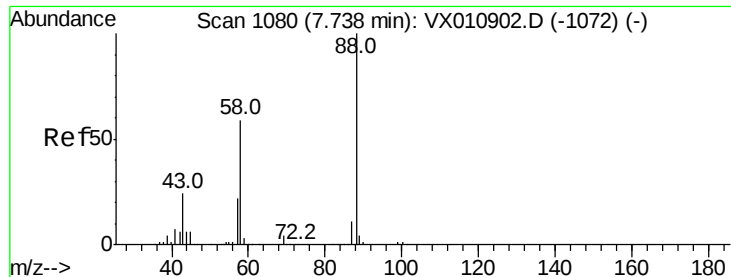
Ion Ratio Lower Upper

41 100

69 89.5 74.4 111.6

39 61.6 48.9 73.3





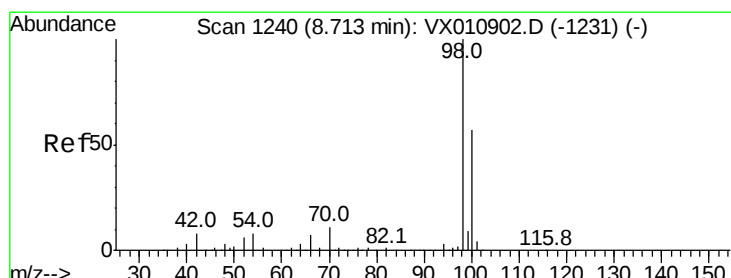
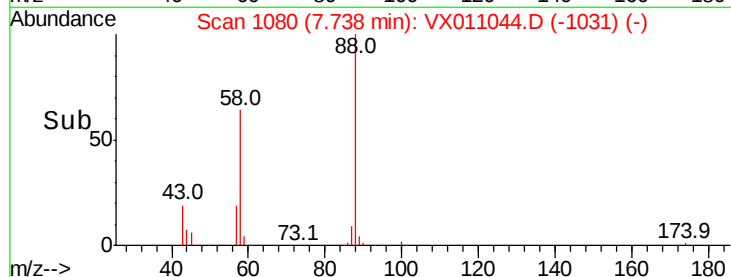
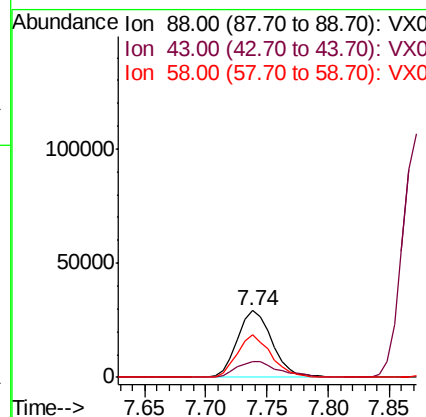
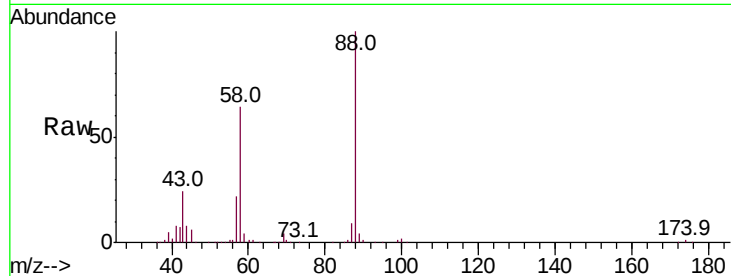
#49
1,4-Dioxane
Concen: 893.163 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX011044.D
Acq: 22 Jul 2019 20:30

Instrument :
MSVOA_X
ClientSampleId :
SU19-MSW0620MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.3	22.9	34.3
58	63.5	49.8	74.8

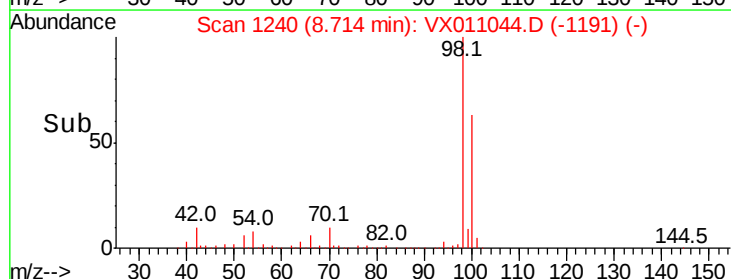
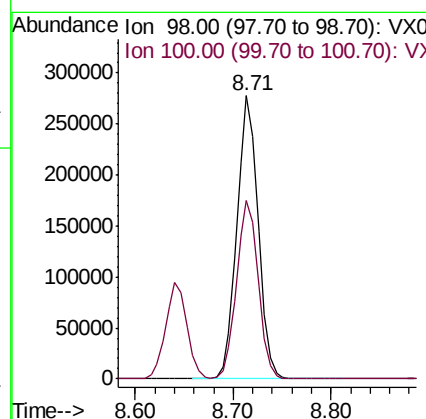
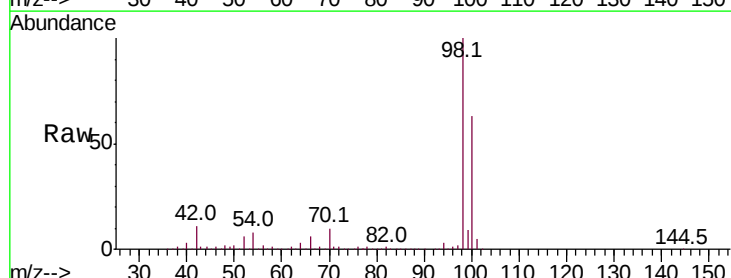
Manual Integrations
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#50
Toluene-d8
Concen: 51.742 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011044.D
Acq: 22 Jul 2019 20:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	50.6	75.8





#51

4-Methyl-2-Pentanone

Concen: 266.740 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0620MSD

Tot Ion: 43 Resp: 812367

Ion Ratio Lower Upper

43 100

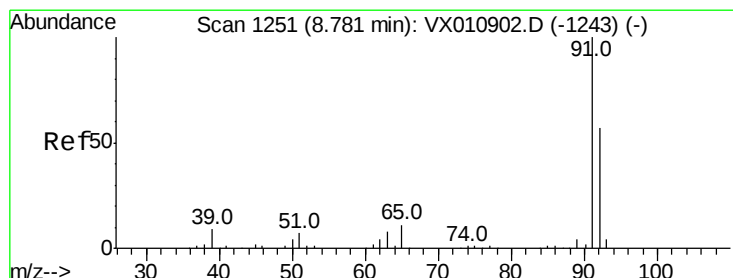
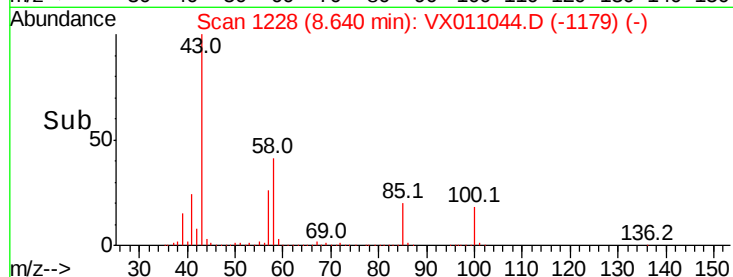
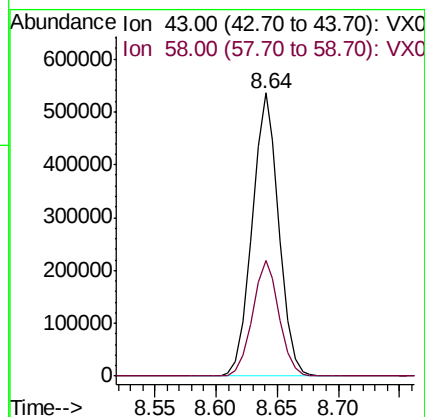
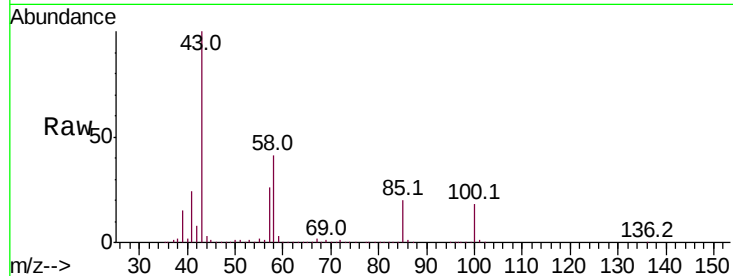
58 40.6 32.2 48.4

Manual Integrations

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#52

Toluene

Concen: 49.328 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011044.D

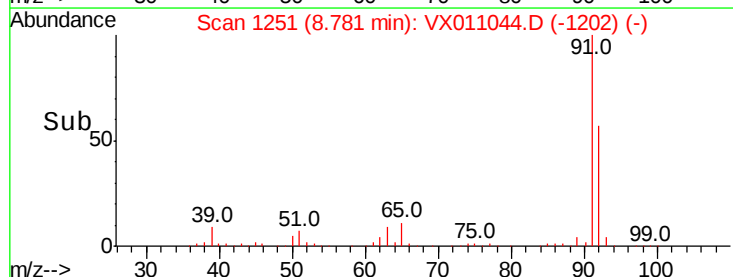
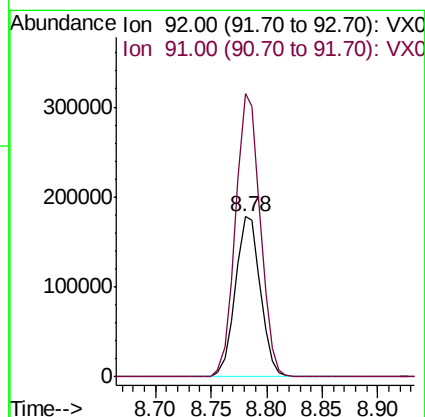
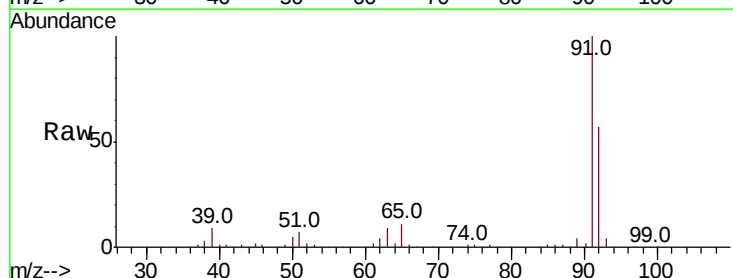
Acq: 22 Jul 2019 20:30

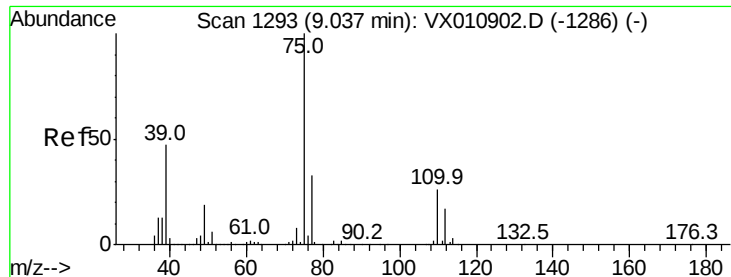
Tgt Ion: 92 Resp: 276979

Ion Ratio Lower Upper

92 100

91 174.7 139.4 209.0





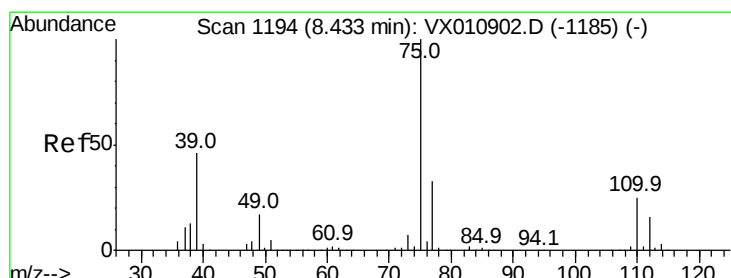
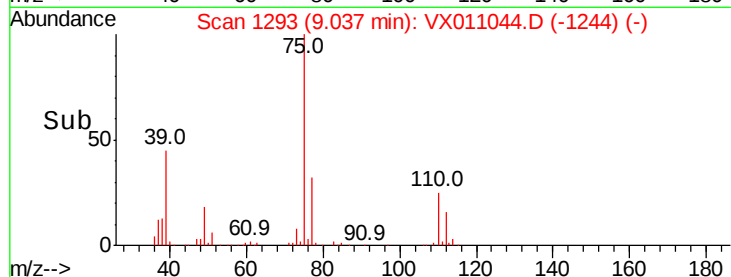
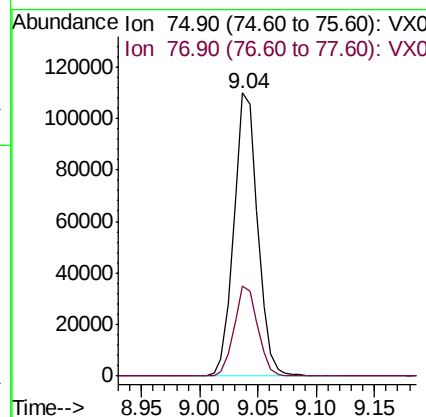
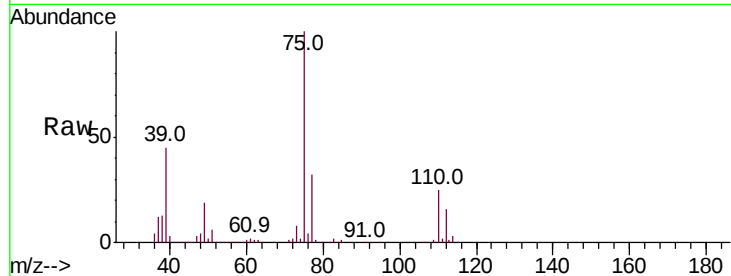
#53
t-1,3-Dichloropropene
Concen: 52.648 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011044.D
Acq: 22 Jul 2019 20:30

Instrument :
MSVOA_X
ClientSampleId :
SU19-MSW0620MSD

Tot Ion: 75 Resp: 156651
Ion Ratio Lower Upper
75 100
77 31.7 26.2 39.2

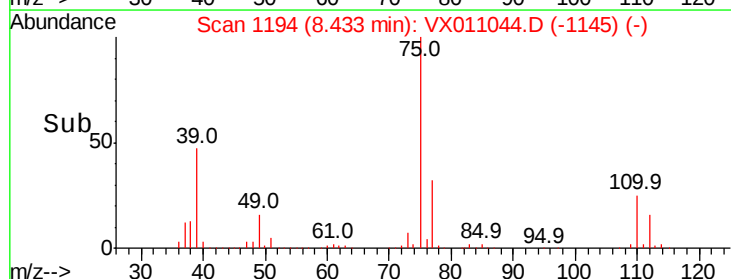
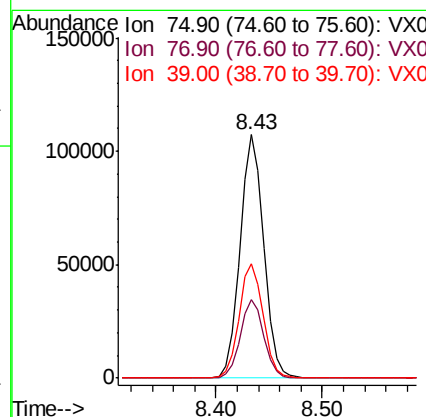
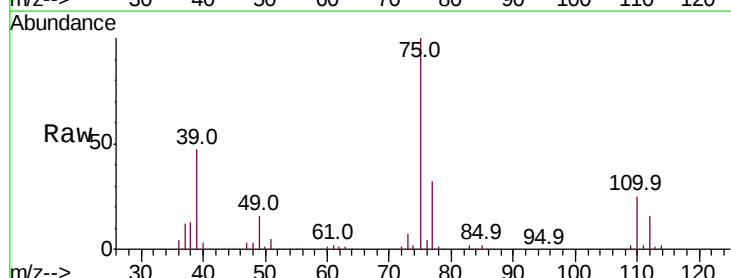
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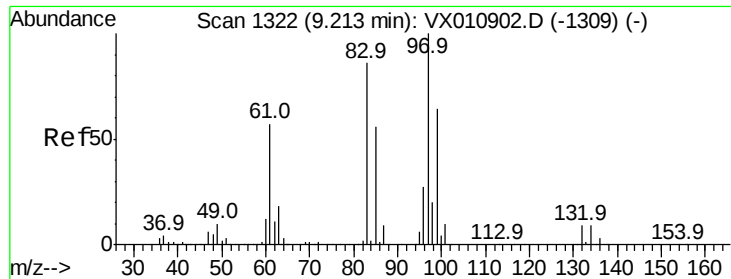
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#54
cis-1,3-Dichloropropene
Concen: 50.648 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX011044.D
Acq: 22 Jul 2019 20:30

Tgt Ion: 75 Resp: 167690
Ion Ratio Lower Upper
75 100
77 32.5 26.1 39.1
39 46.9 36.6 54.8





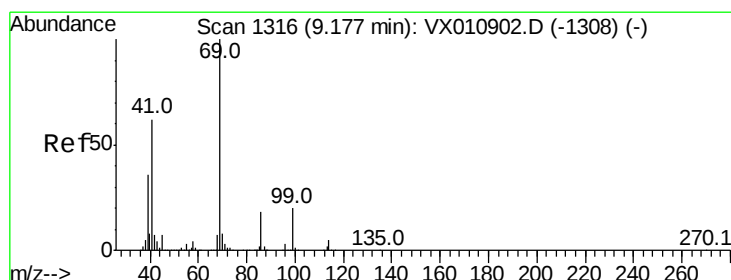
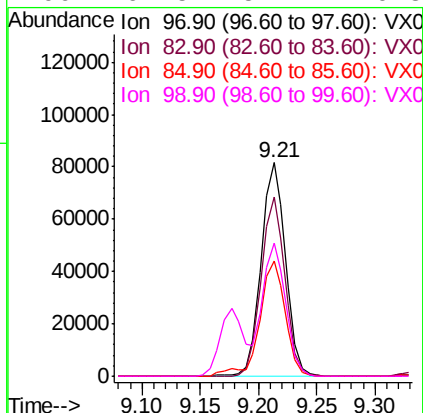
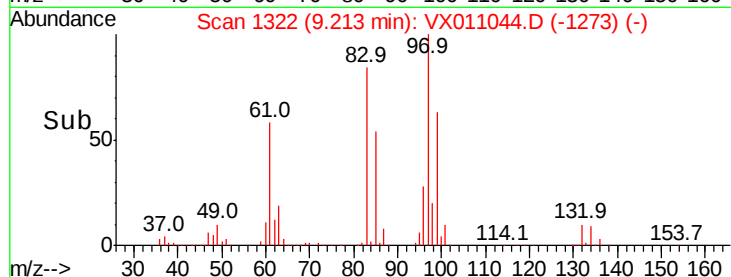
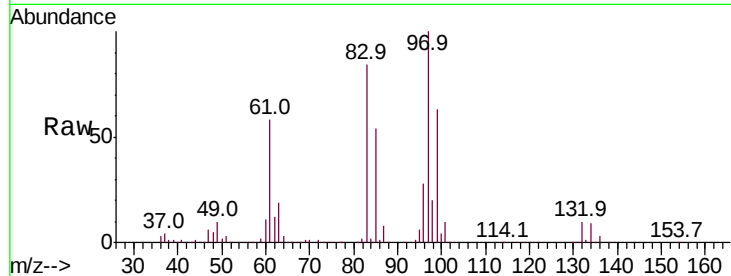
#55
 1,1,2-Trichloroethane
 Concen: 51.611 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX011044.D
 Acq: 22 Jul 2019 20:30

Instrument :
 MSVOA_X
 ClientSampleId :
 SU19-MSW0620MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		119324		
83	83.9	69.2	103.8		
85	53.7	44.6	66.8		
99	62.5	51.2	76.8		

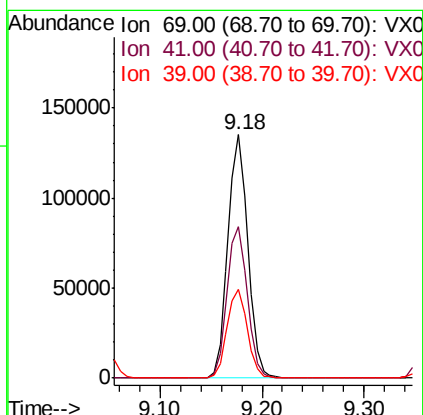
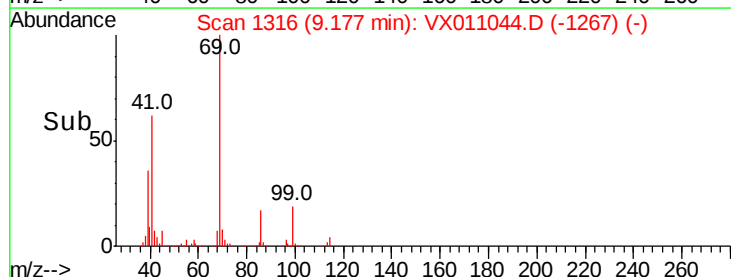
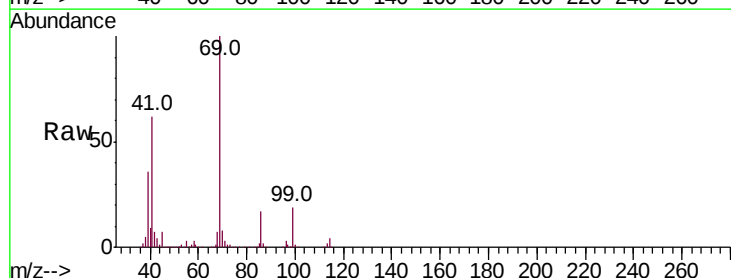
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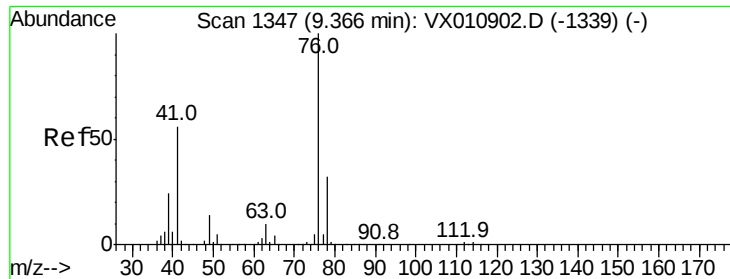
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#56
 Ethyl methacrylate
 Concen: 53.980 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX011044.D
 Acq: 22 Jul 2019 20:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		182552		
41	63.1	49.7	74.5		
39	37.2	29.6	44.4		





#57

1,3-Dichloropropane

Concen: 50.422 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.01 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0620MSD

Tot Ion: 76 Resp: 184930

Ion Ratio Lower Upper

76 100

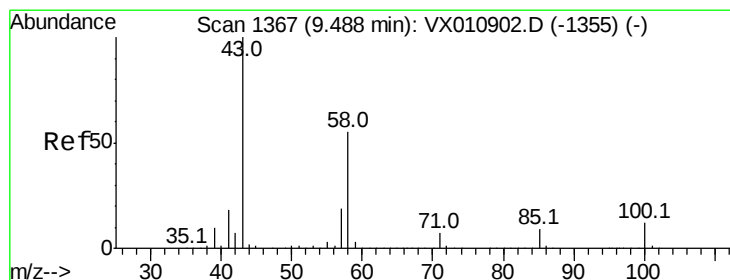
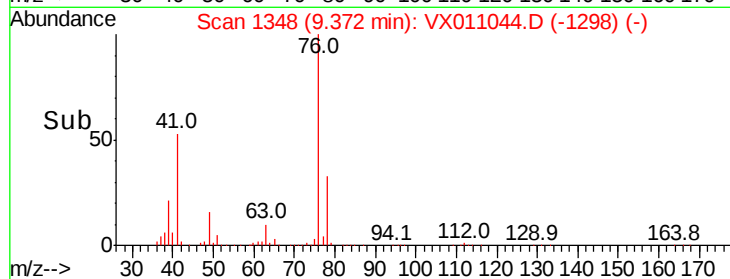
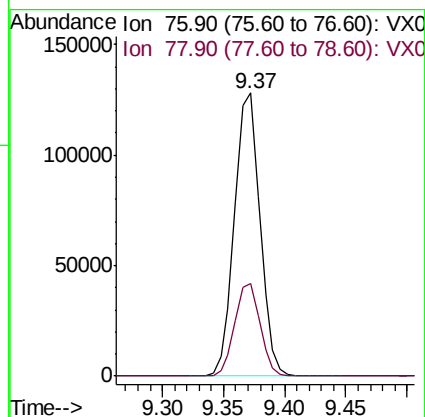
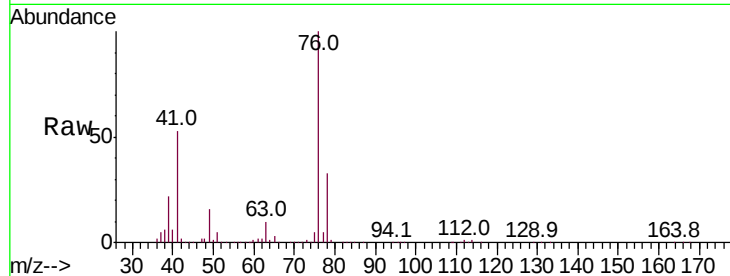
78 32.5 25.6 38.4

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#59

2-Hexanone

Concen: 268.364 ug/l

RT: 9.49 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VX011044.D

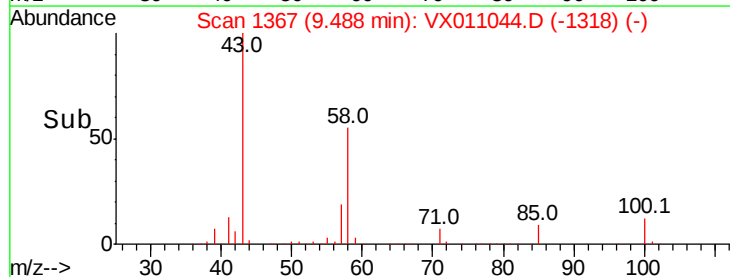
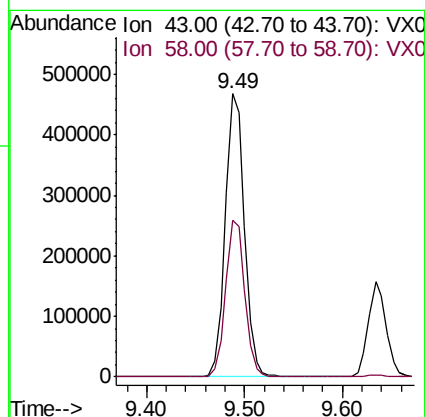
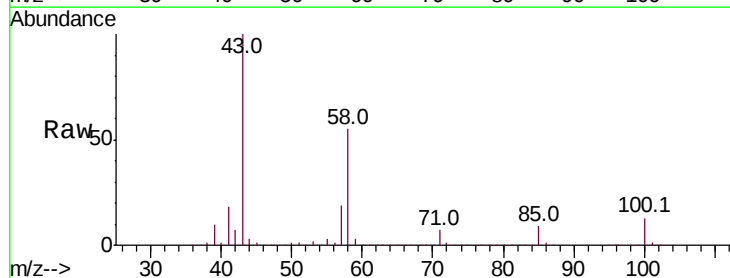
Acq: 22 Jul 2019 20:30

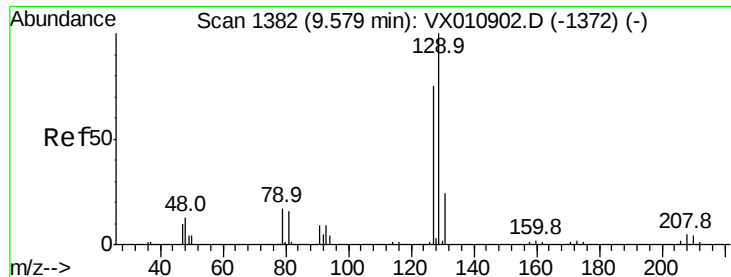
Tgt Ion: 43 Resp: 633921

Ion Ratio Lower Upper

43 100

58 55.6 28.0 83.9





#60

Dibromochloromethane

Concen: 48.906 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0620MSD

Tot Ion:129 Resp: 129975

Ion Ratio Lower Upper

129 100

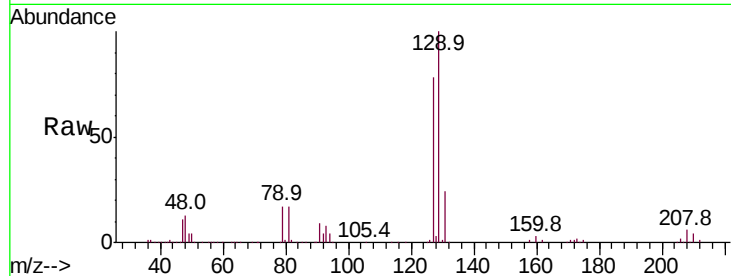
127 76.9 38.6 115.8

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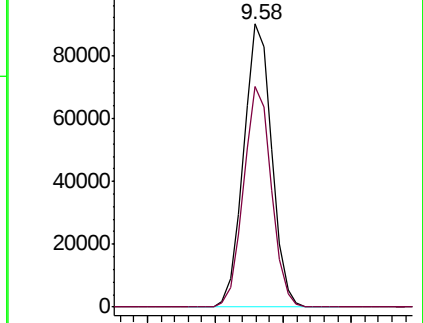
MMDadoda

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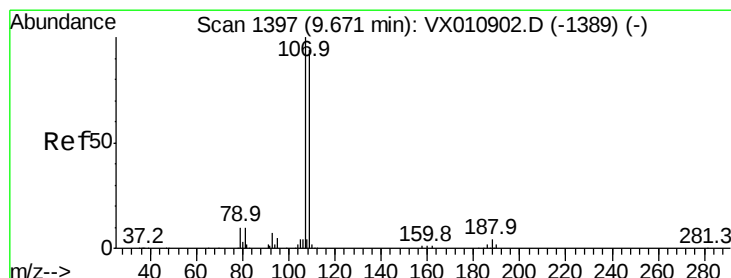
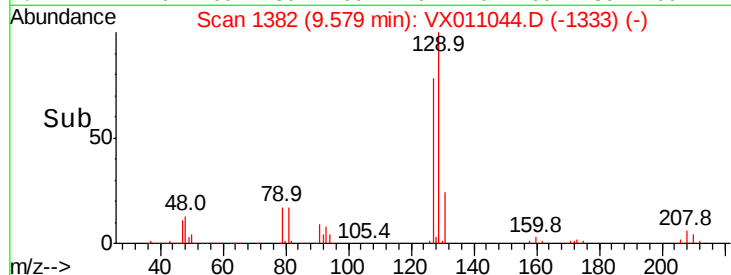


Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



Time-->



#61

1,2-Dibromoethane

Concen: 51.845 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011044.D

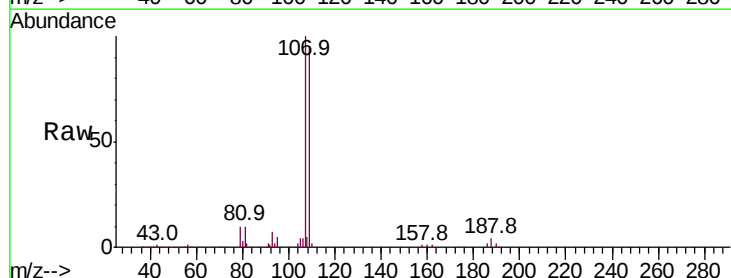
Acq: 22 Jul 2019 20:30

Tgt Ion:107 Resp: 127207

Ion Ratio Lower Upper

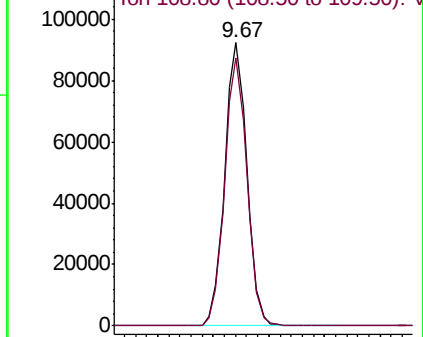
107 100

109 95.0 75.4 113.0

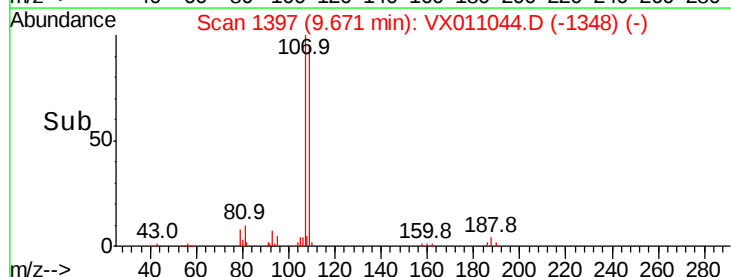


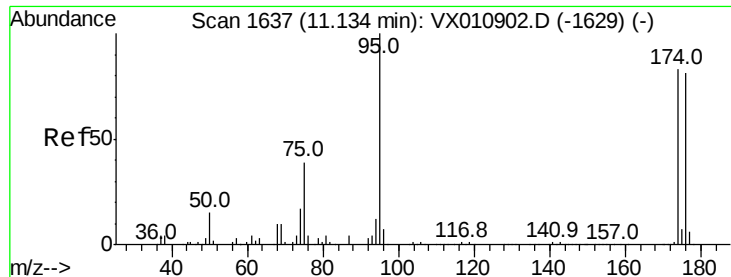
Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->





#62

4-Bromofluorobenzene

Concen: 53.679 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0620MSD

Tot Ion: 95 Resp: 159563

Ion Ratio Lower Upper

95 100

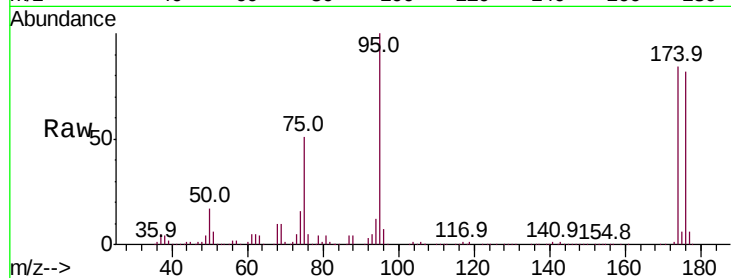
174 89.2 0.0 180.6

176 87.1 0.0 173.8

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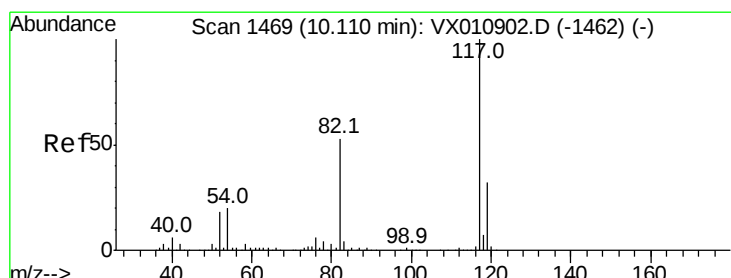
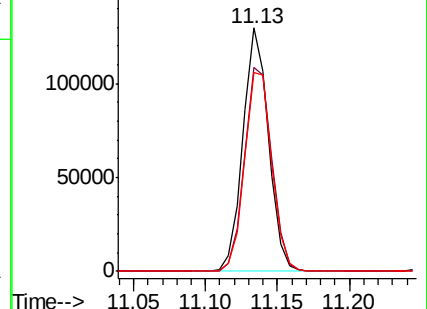
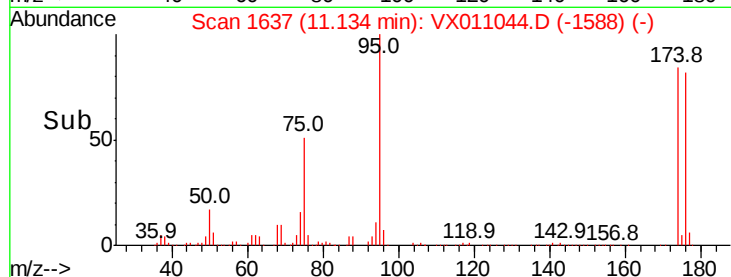
7/23/2019 11:12:22 AM



Abundance Ion 94.90 (94.60 to 95.60): VX011044.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX011044.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX011044.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

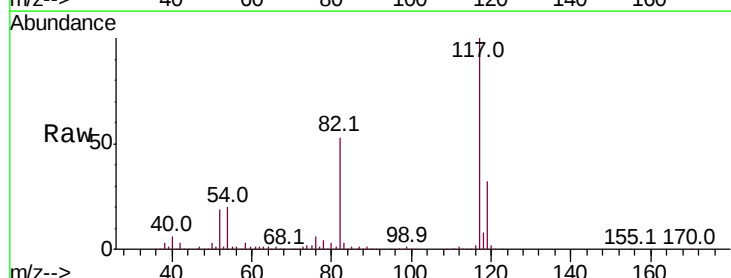
Tgt Ion: 117 Resp: 313584

Ion Ratio Lower Upper

117 100

82 52.9 42.6 63.8

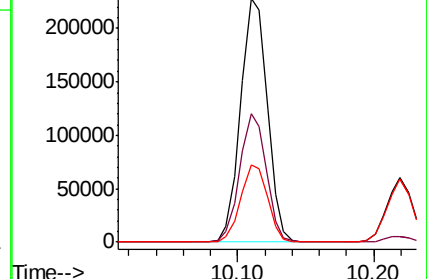
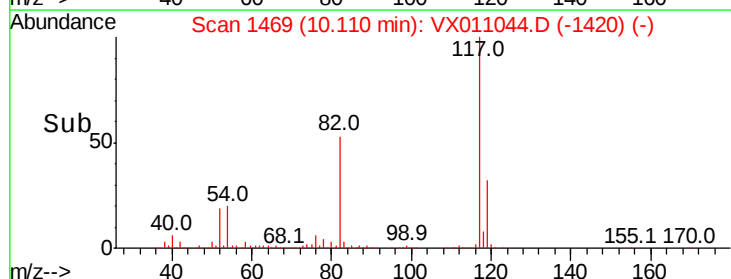
119 31.6 25.9 38.9

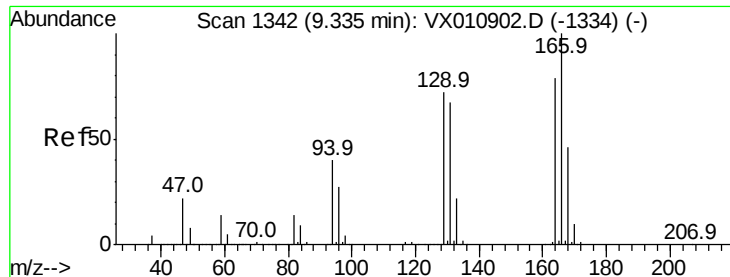


Abundance Ion 116.90 (116.60 to 117.60): VX011044.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX011044.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX011044.D (-1420) (-)





#64

Tetrachloroethene

Concen: 47.005 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0620MSD

Tot Ion:164 Resp: 115958

Ion Ratio Lower Upper

164 100

166 127.4 100.8 151.2

129 89.5 72.6 109.0

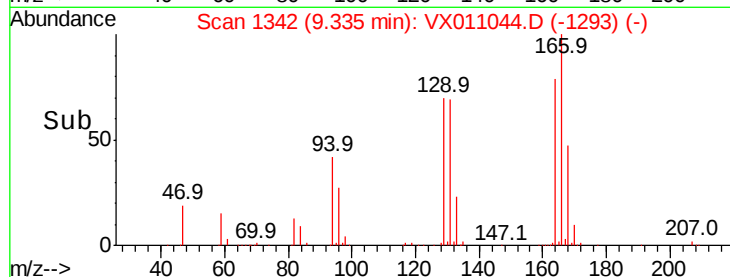
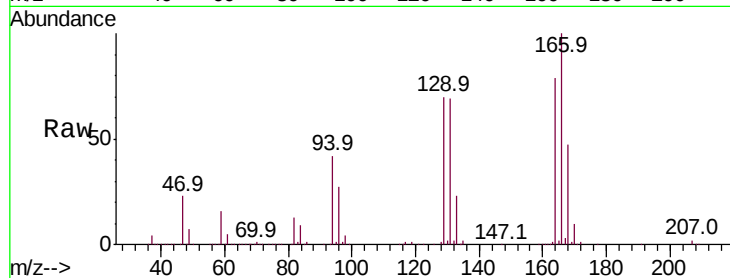
131 87.8 67.7 101.5

Manual Integrations

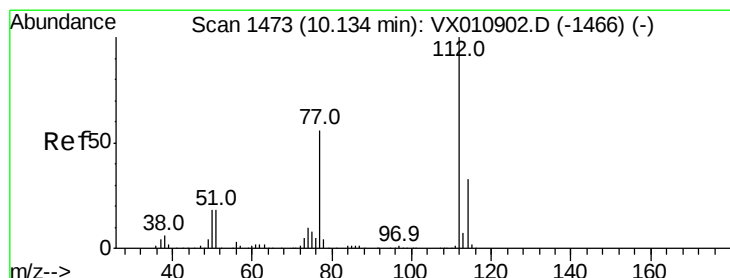
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Time-->



#65

Chlorobenzene

Concen: 48.979 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX011044.D

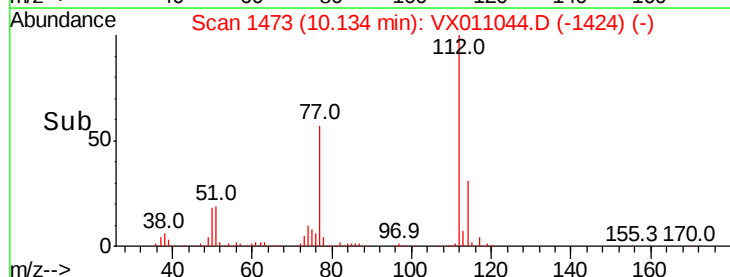
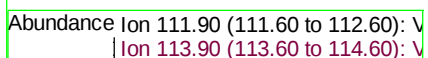
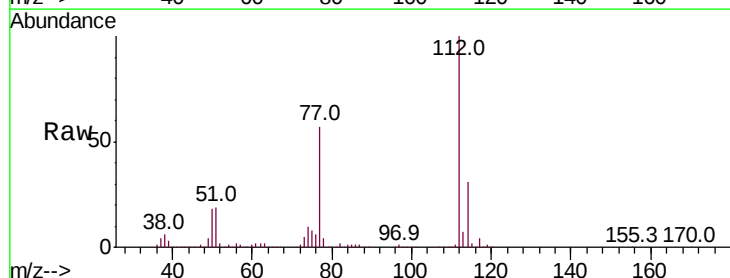
Acq: 22 Jul 2019 20:30

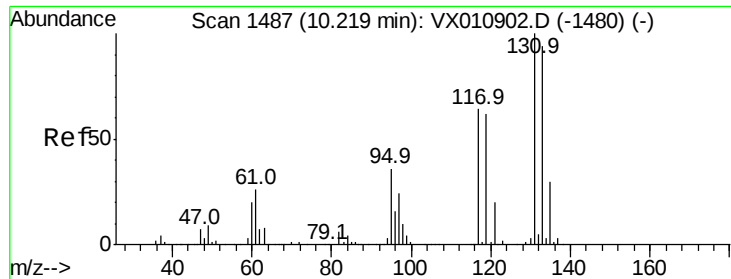
Tgt Ion:112 Resp: 315459

Ion Ratio Lower Upper

112 100

114 31.3 26.2 39.4





#66

1,1,1,2-Tetrachloroethane

Concen: 52.315 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

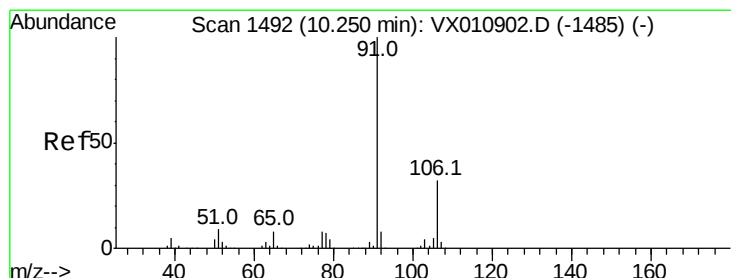
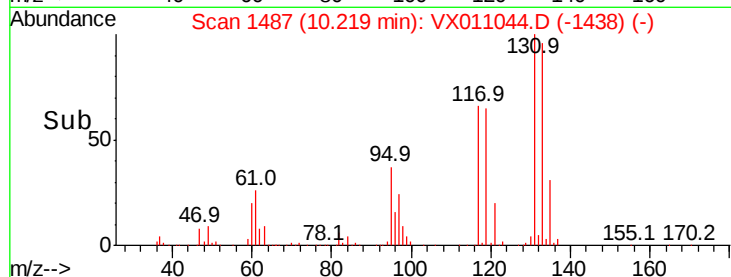
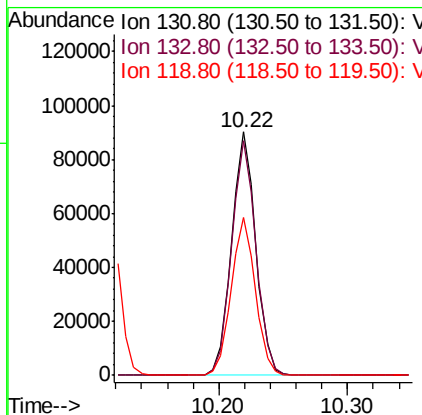
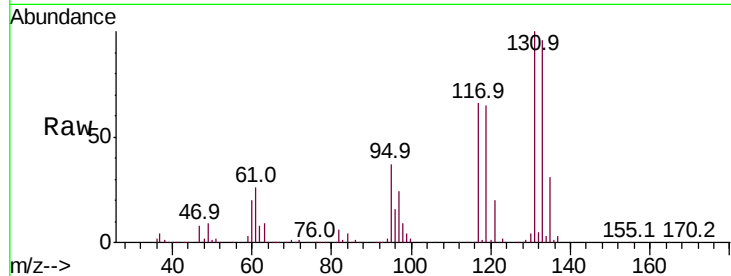
ClientSampleId :

SU19-MSW0620MSD

Tot Ion:	131	Resp:	118421
Ion Ratio	Lower	Upper	
131	100		
133	97.1	47.1	141.4
119	64.9	31.9	95.7

Manual Integrations
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#67

Ethyl Benzene

Concen: 50.080 ug/l

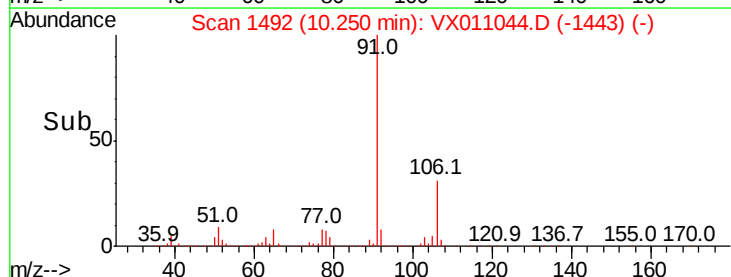
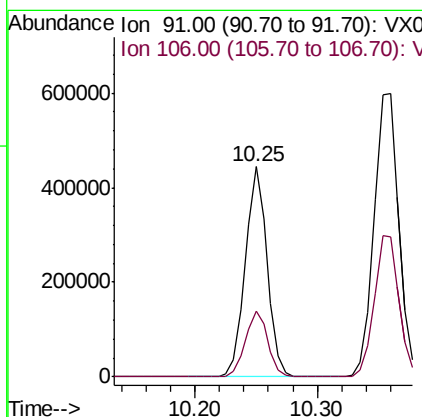
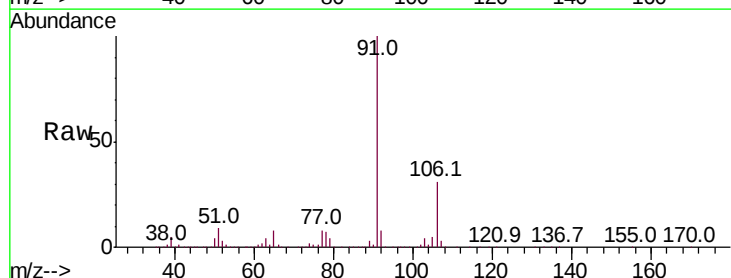
RT: 10.25 min Scan# 1492

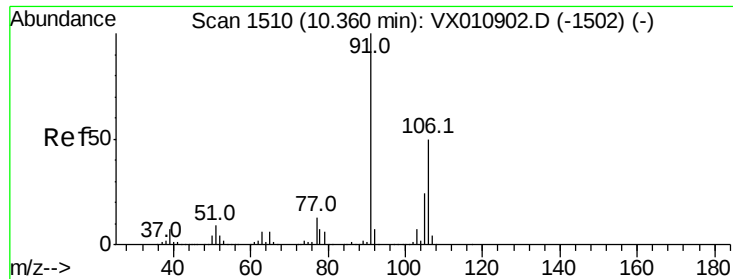
Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Tgt Ion:	91	Resp:	549024
Ion Ratio	Lower	Upper	
91	100		
106	31.2	25.4	38.2





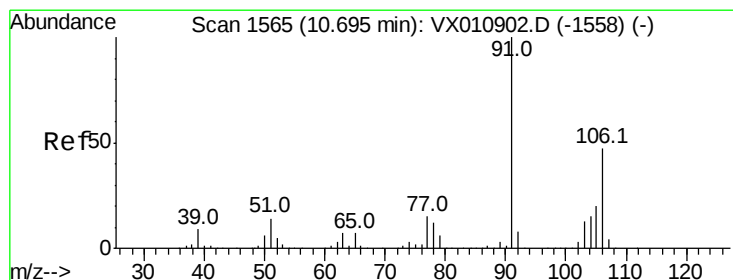
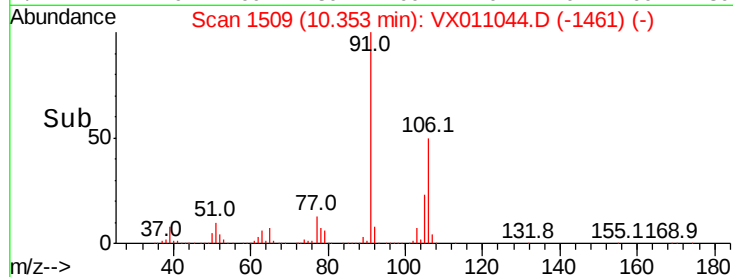
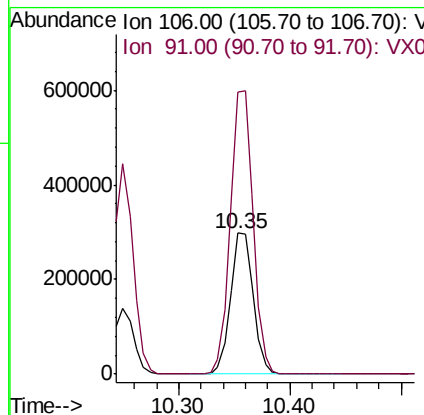
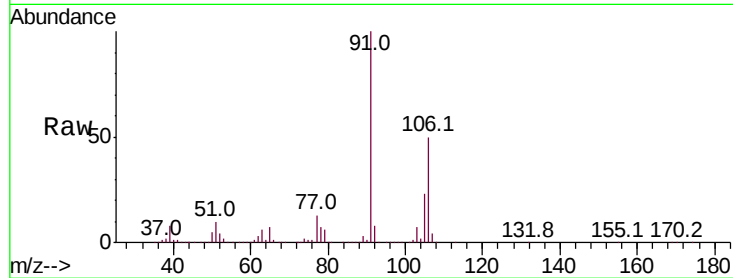
#68
m/p-Xylenes
Concen: 99.229 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX011044.D
Acq: 22 Jul 2019 20:30

Instrument :
MSVOA_X
ClientSampleId :
SU19-MSW0620MSD

Tot Ion:106 Resp: 417286
Ion Ratio Lower Upper
106 100
91 202.5 160.1 240.1

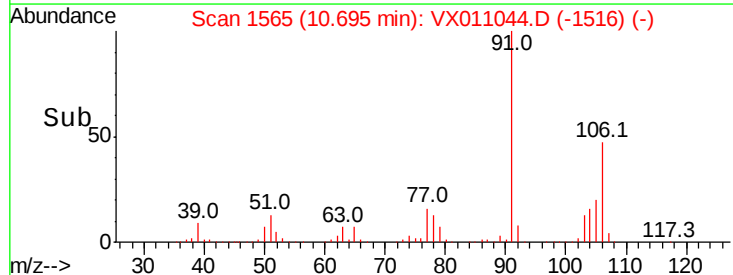
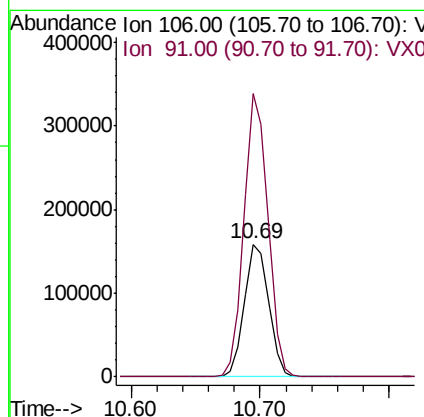
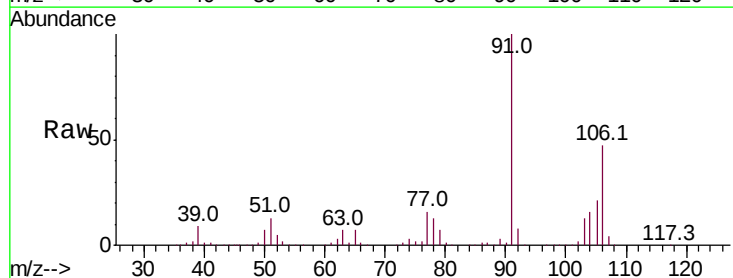
Manual Integrations
APPROVED

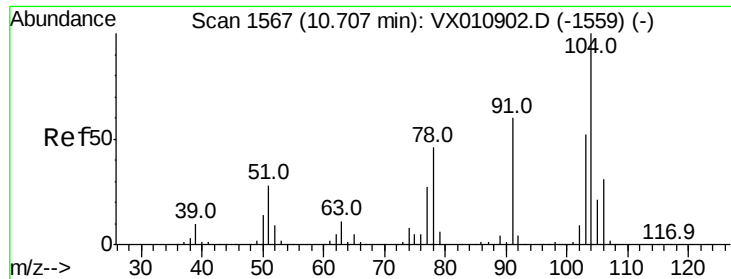
MMDadoda
7/23/2019 11:12:22 AM



#69
o-Xylene
Concen: 50.321 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011044.D
Acq: 22 Jul 2019 20:30

Tgt Ion:106 Resp: 206527
Ion Ratio Lower Upper
106 100
91 210.3 105.1 315.3





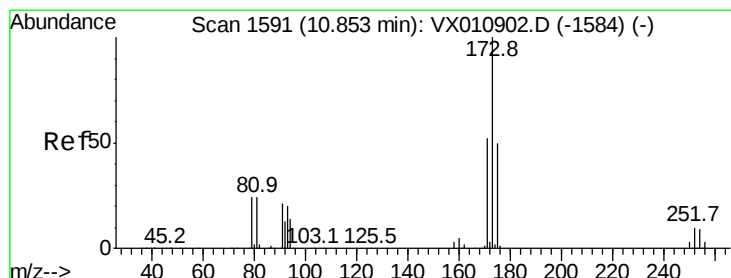
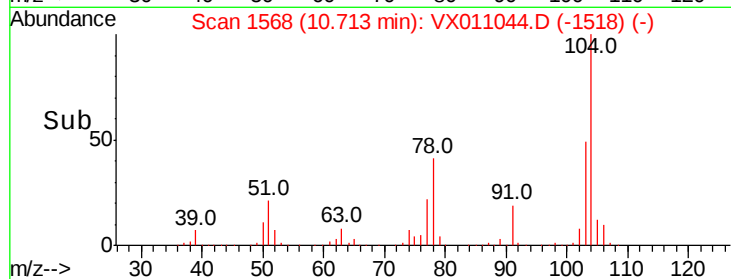
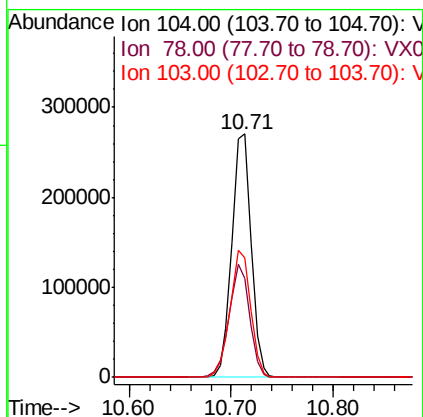
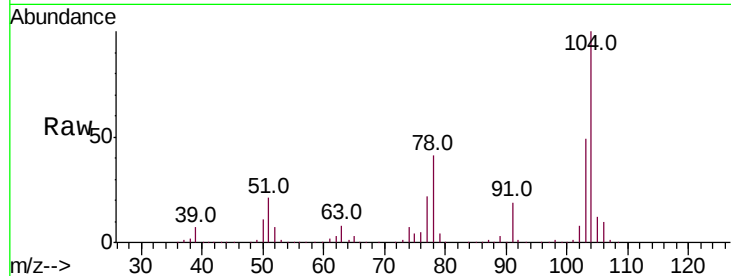
#70
Stvrene
Concen: 51.698 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VX011044.D
Acq: 22 Jul 2019 20:30

Instrument :
MSVOA_X
ClientSampleId :
SU19-MSW0620MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.2	38.8	58.2
103	55.5	44.2	66.4

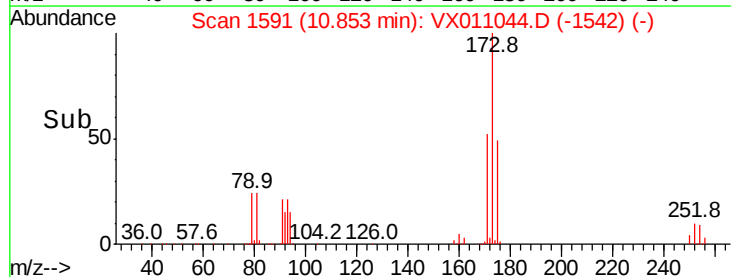
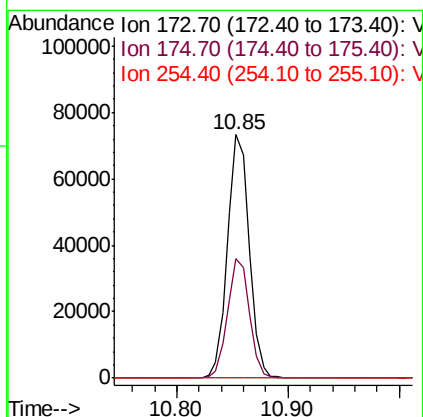
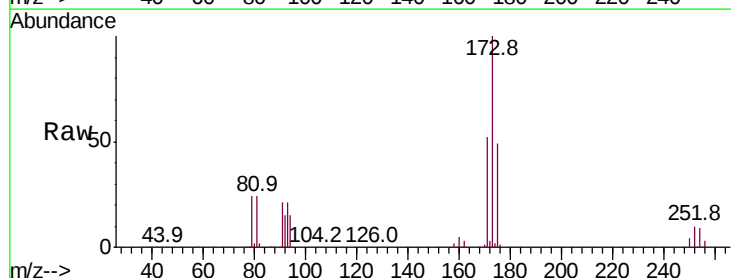
Manual Integrations
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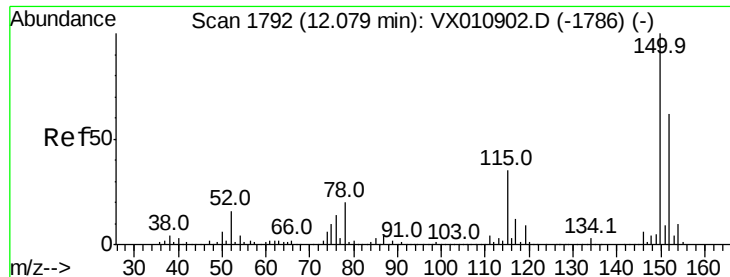
MMDadoda
7/23/2019 11:12:22 AM



#71
Bromoform
Concen: 48.138 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX011044.D
Acq: 22 Jul 2019 20:30

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.6	73.6
254	0.2	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

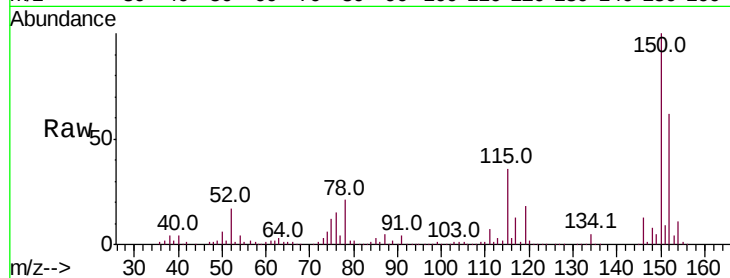
ClientSampleId :

SU19-MSW0620MSD

Tot Ion	Ratio	Resp	Lower	Upper
152	100	164181		
115	81.0	39.7	119.1	
150	173.8	0.0	345.6	

Manual Integrations
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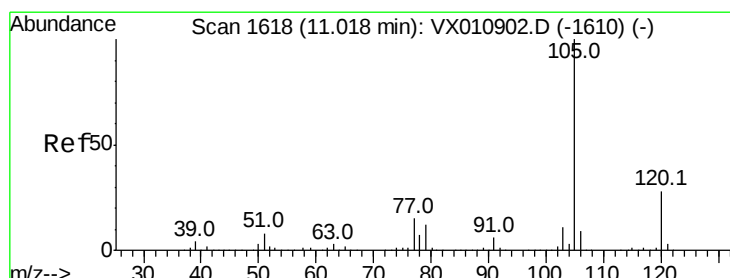
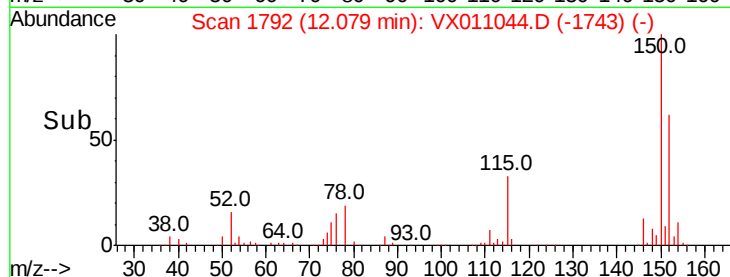
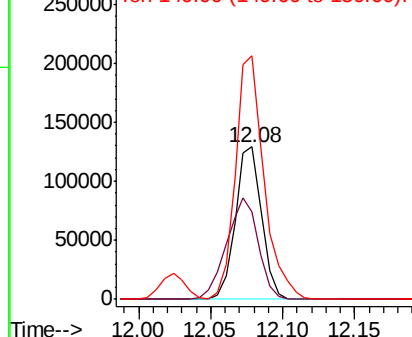


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 50.244 ug/l

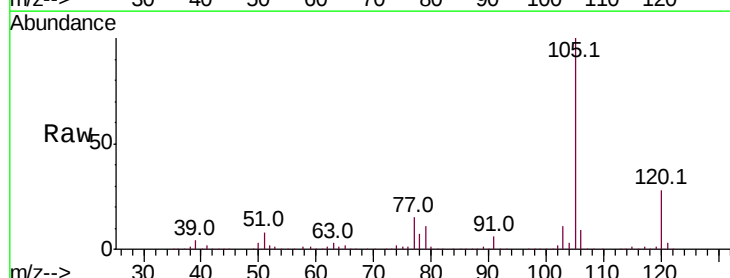
RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

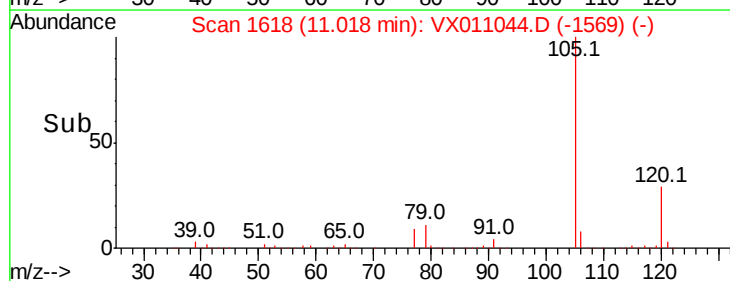
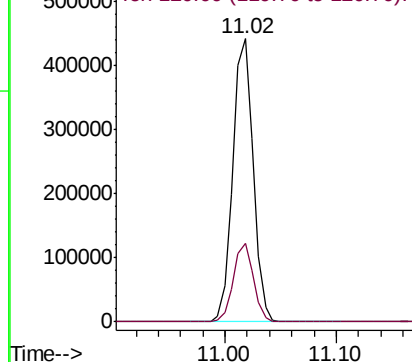
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	557391		
120	27.2	13.7	41.1	

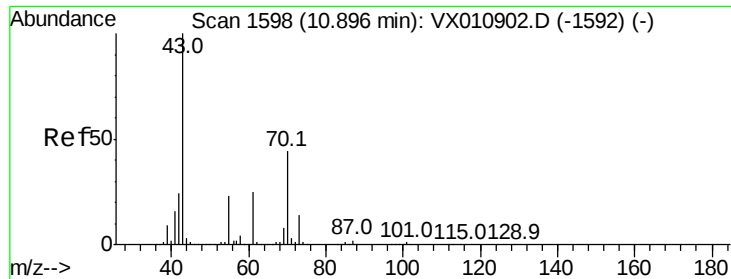


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 47.244 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

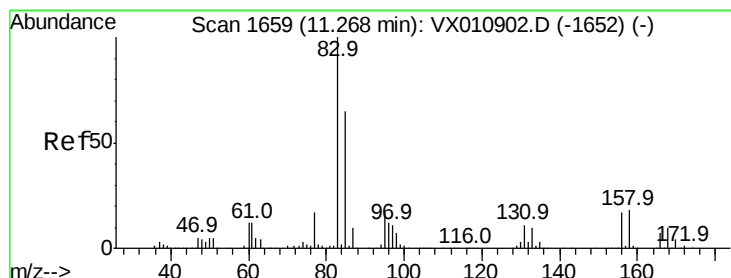
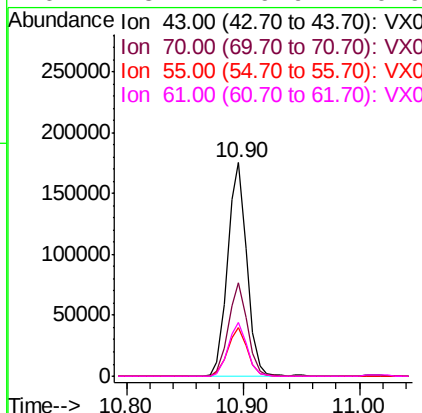
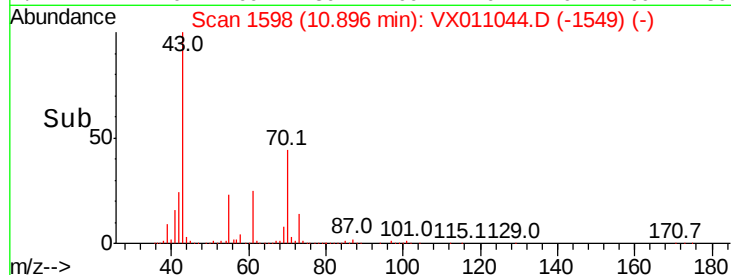
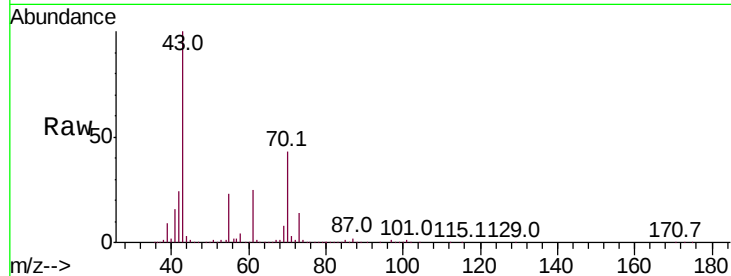
ClientSampleId :

SU19-MSW0620MSD

Tot Ion	43	70	55	61
Ratio	100	43.2	23.4	25.1
Lower		34.7	19.1	19.9
Upper		52.1	28.7	29.9

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 51.500 ug/l

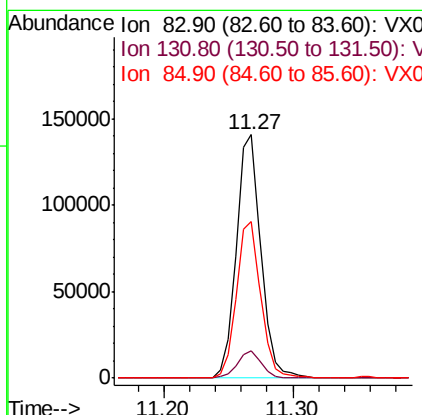
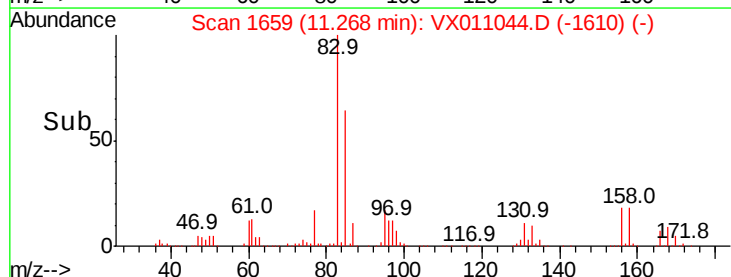
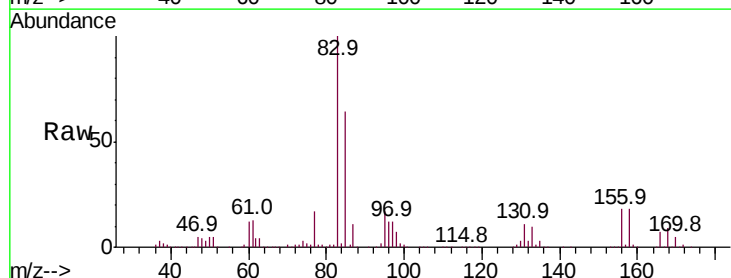
RT: 11.27 min Scan# 1659

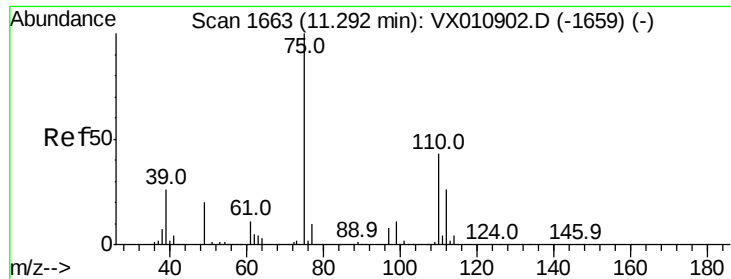
Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Tgt Ion	83	131	85
Ratio	100	10.9	64.1
Lower		5.5	32.3
Upper		16.4	96.9





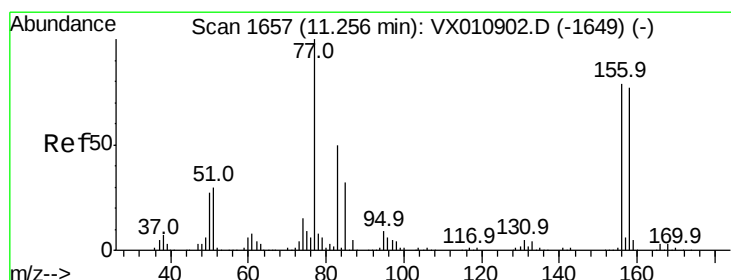
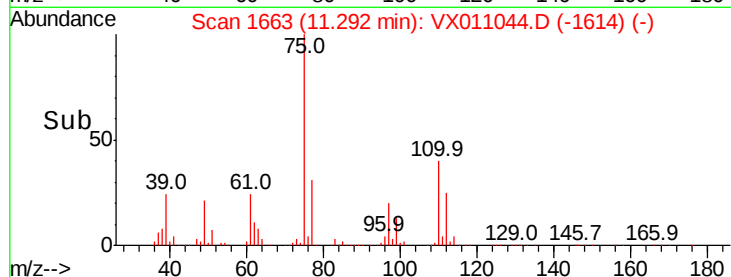
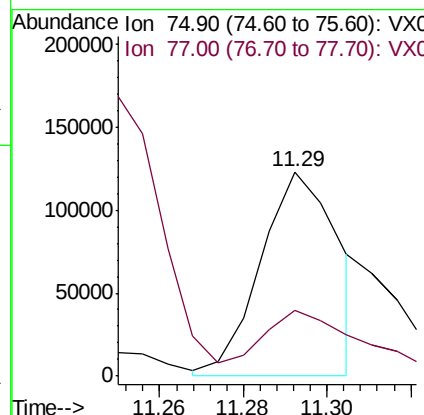
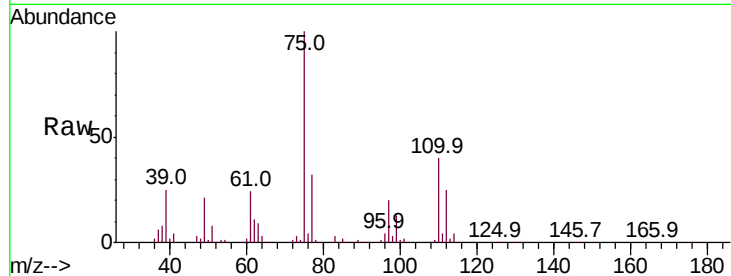
#76
1,2,3-Trichloropropane
Concen: 53.301 ug/l m
RT: 11.29 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VX011044.D
Acq: 22 Jul 2019 20:30

Instrument :
MSVOA_X
ClientSampleId :
SU19-MSW0620MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	42.2	21.3	64.0

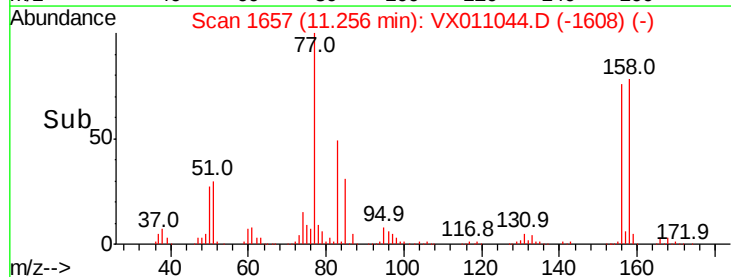
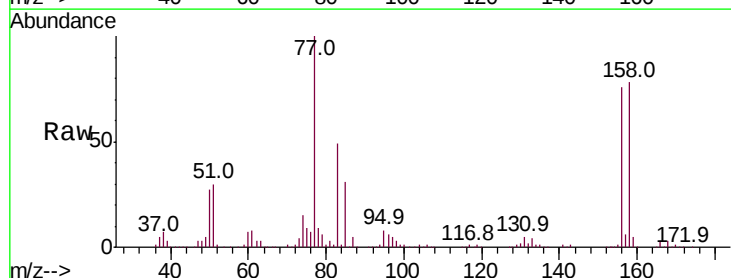
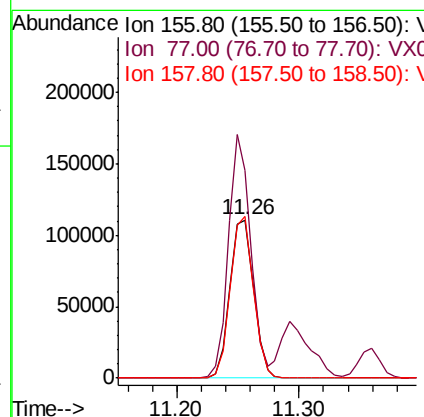
Manual Integrations
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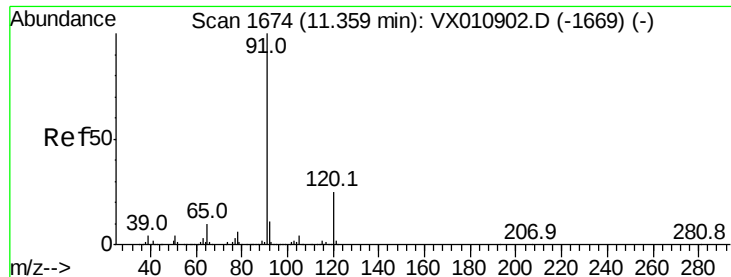
MMDadoda
7/23/2019 11:12:22 AM



#77
Bromobenzene
Concen: 48.726 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VX011044.D
Acq: 22 Jul 2019 20:30

Tgt Ion	Ratio	Lower	Upper
156	100		
77	143.1	68.7	206.1
158	98.9	47.9	143.7





#78

n-propylbenzene

Concen: 50.777 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0620MSD

Tot Ion: 91 Resp: 622412

Ion Ratio Lower Upper

91 100

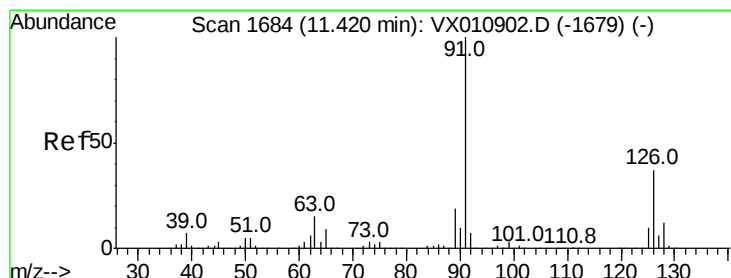
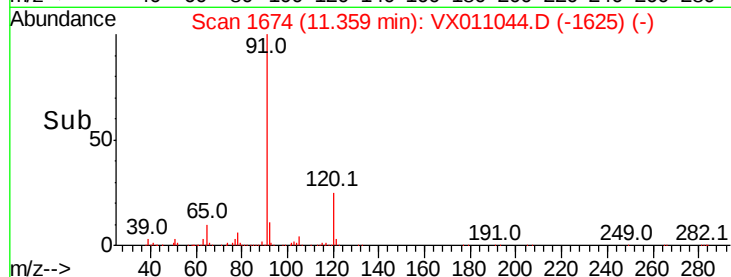
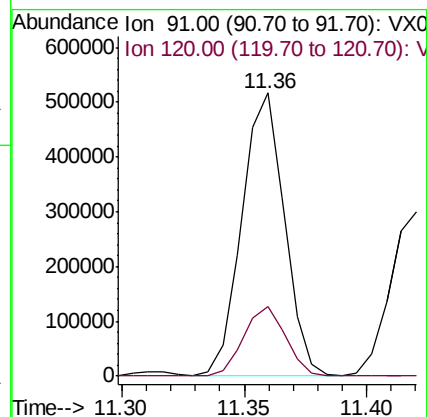
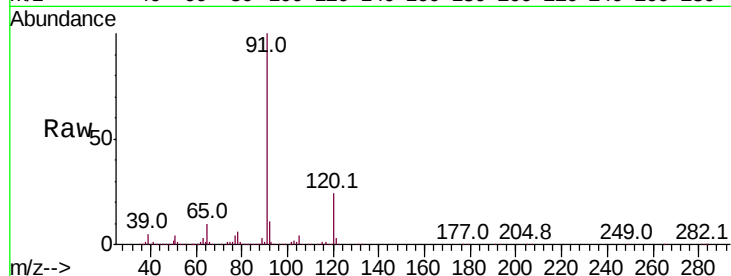
120 24.4 12.3 36.8

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#79

2-Chlorotoluene

Concen: 50.855 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX011044.D

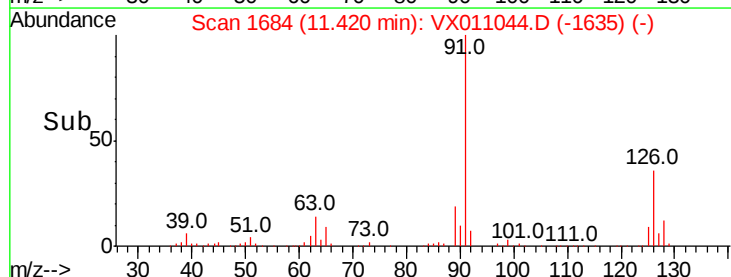
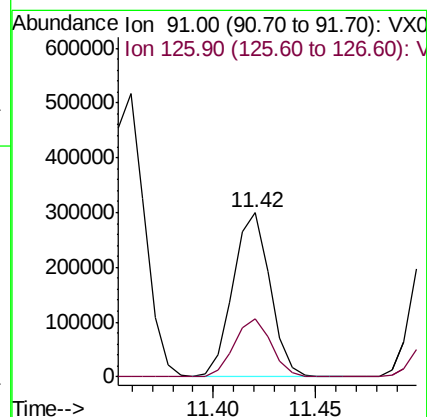
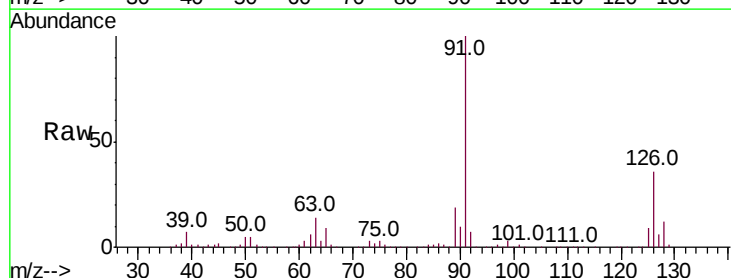
Acq: 22 Jul 2019 20:30

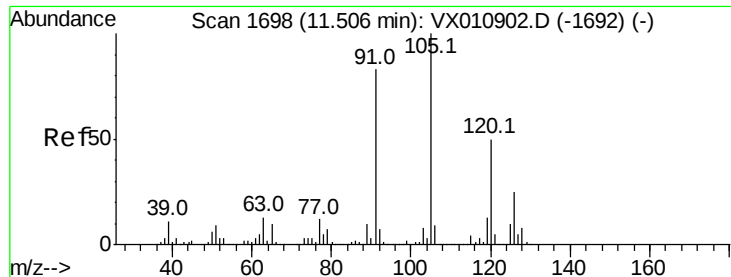
Tgt Ion: 91 Resp: 374469

Ion Ratio Lower Upper

91 100

126 35.7 18.0 54.0





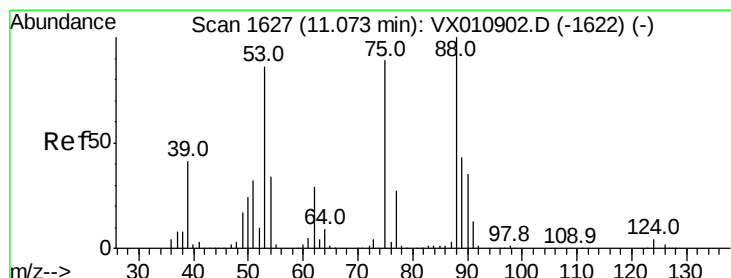
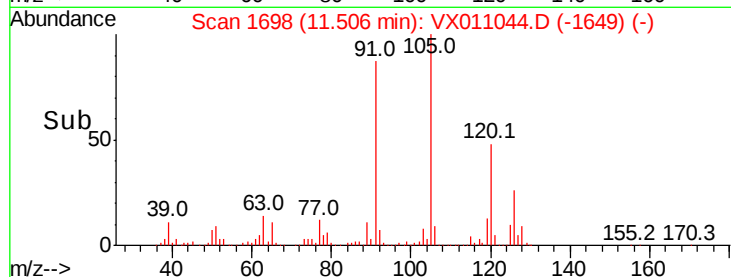
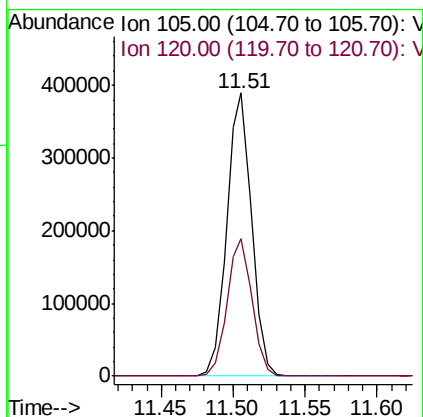
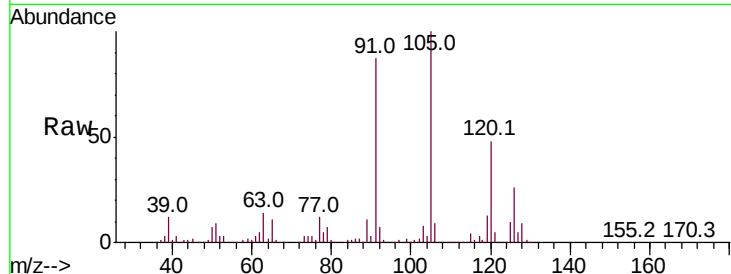
#80
 1,3,5-Trimethylbenzene
 Concen: 50.786 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX011044.D
 Acq: 22 Jul 2019 20:30

Instrument :
 MSVOA_X
 ClientSampleId :
 SU19-MSW0620MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	48.7	24.6	73.8

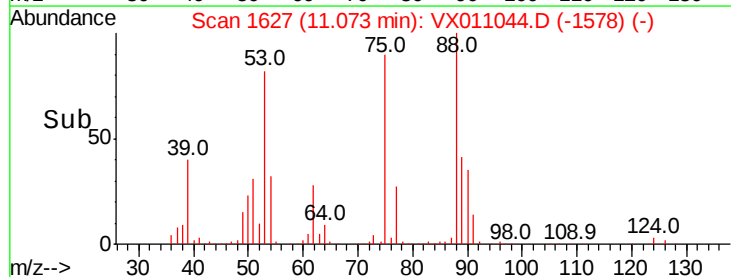
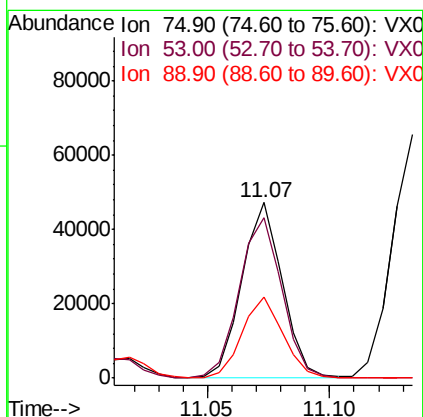
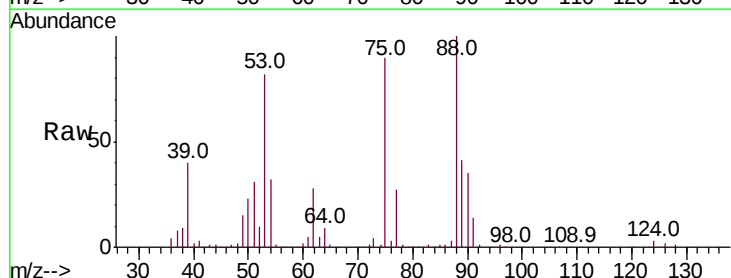
Manual Integrations
 APPROVED

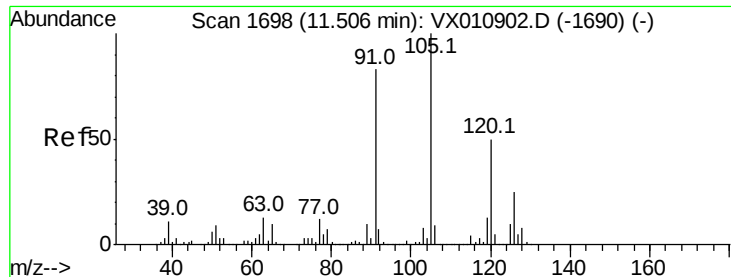
MMDadoda
 7/23/2019 11:12:22 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 46.480 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VX011044.D
 Acq: 22 Jul 2019 20:30

Tgt Ion	Ratio	Lower	Upper
75	100		
53	96.9	76.7	115.1
89	47.1	38.5	57.7





#82

4-Chlorotoluene

Concen: 50.908 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0620MSD

Tot Ion: 91 Resp: 436290

Ion Ratio Lower Upper

91 100

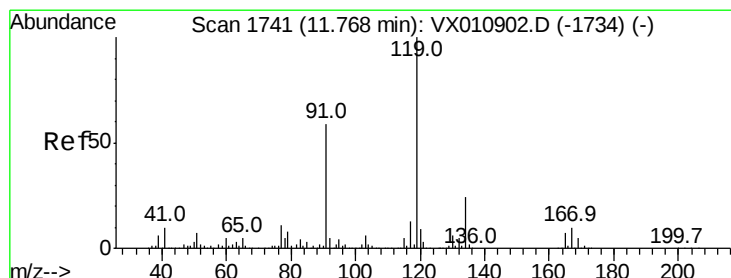
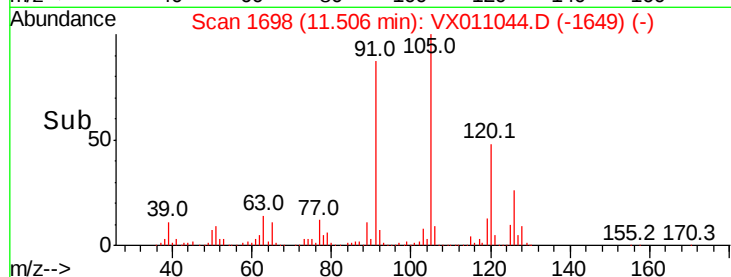
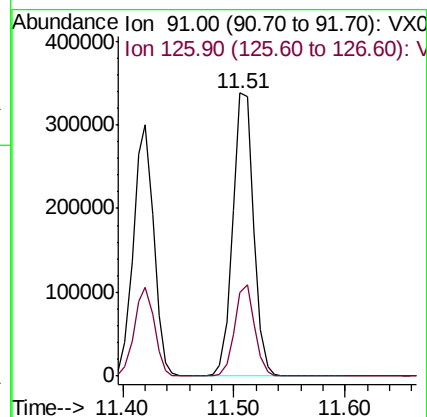
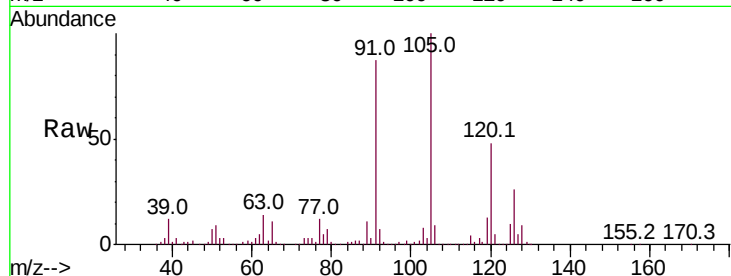
126 31.1 15.9 47.7

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#83

tert-Butylbenzene

Concen: 51.169 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

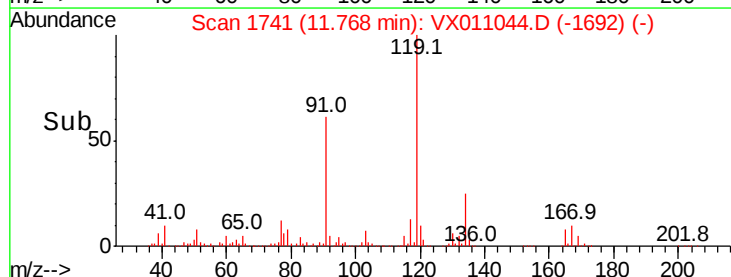
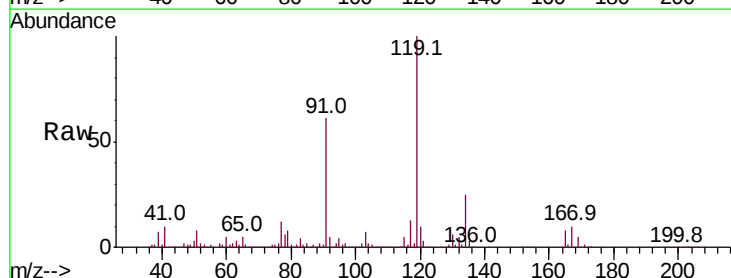
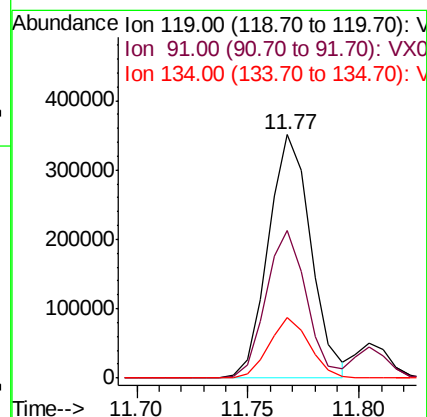
Tgt Ion: 119 Resp: 465909

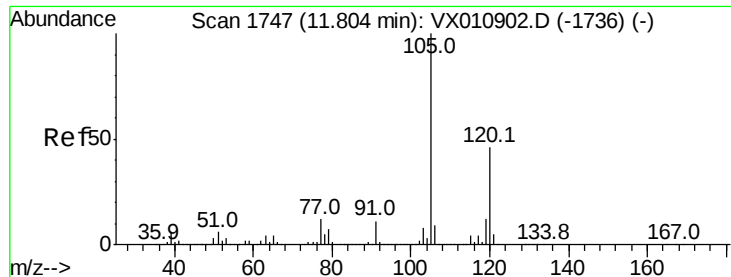
Ion Ratio Lower Upper

119 100

91 57.9 28.6 85.8

134 23.6 11.6 34.8





#84

1,2,4-Trimethylbenzene

Concen: 50.866 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0620MSD

Tot Ion:105 Resp: 475249

Ion Ratio Lower Upper

105 100

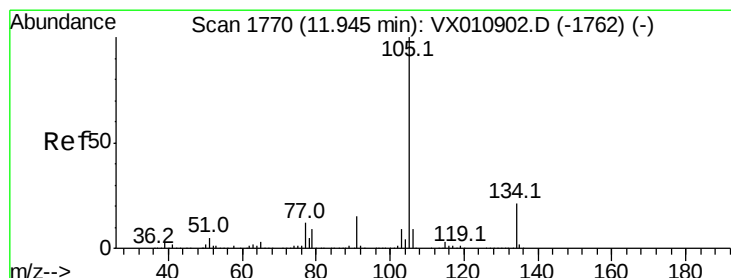
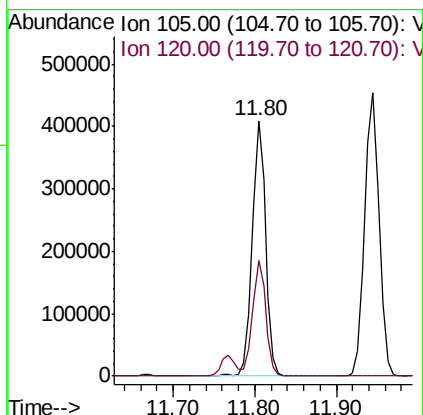
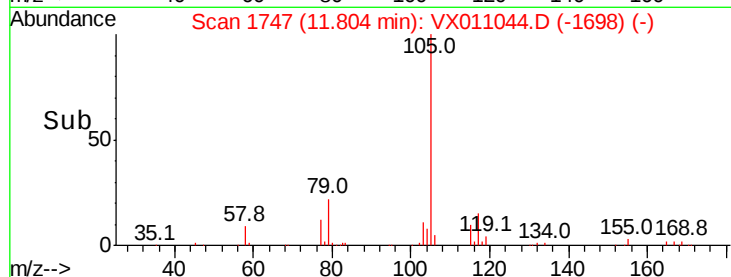
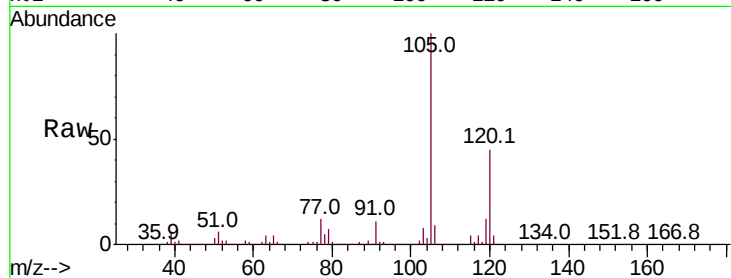
120 44.4 22.9 68.5

Manual Integrations

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#85

sec-Butylbenzene

Concen: 50.937 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011044.D

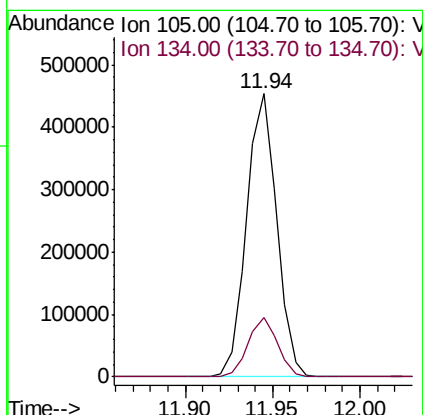
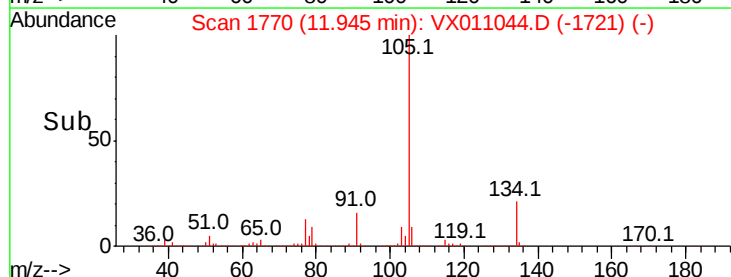
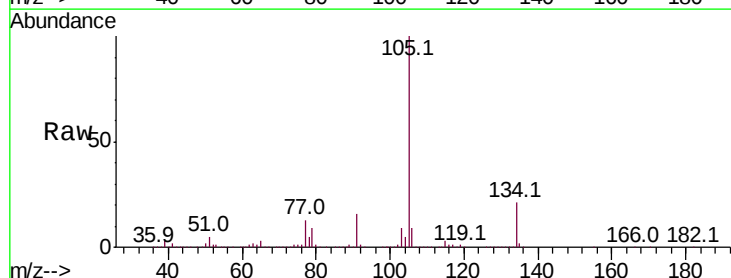
Acq: 22 Jul 2019 20:30

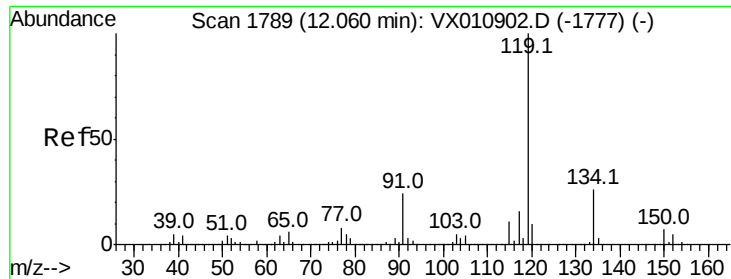
Tgt Ion:105 Resp: 543457

Ion Ratio Lower Upper

105 100

134 20.7 10.4 31.4





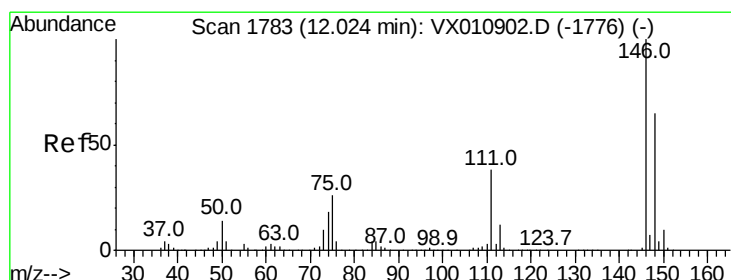
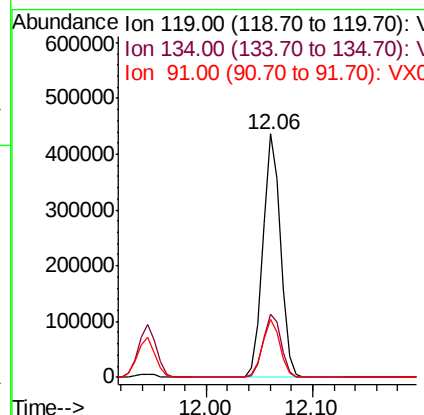
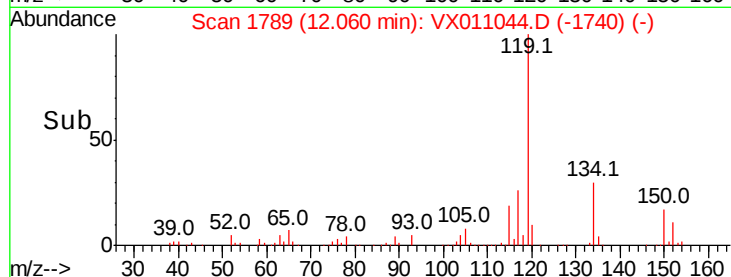
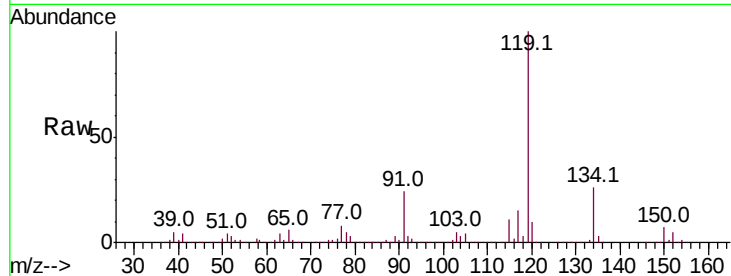
#86
 p-Isopropyltoluene
 Concen: 51.463 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX011044.D
 Acq: 22 Jul 2019 20:30

Instrument :
 MSVOA_X
 ClientSampleId :
 SU19-MSW0620MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	507612		
134	26.7		13.4	40.1
91	23.7		11.8	35.4

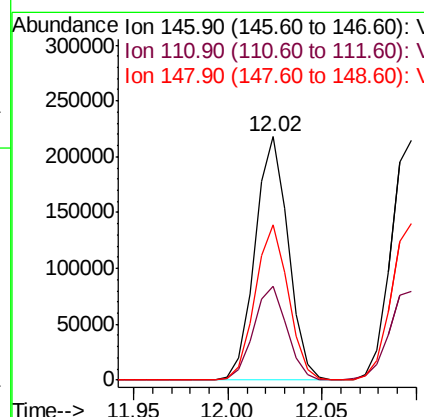
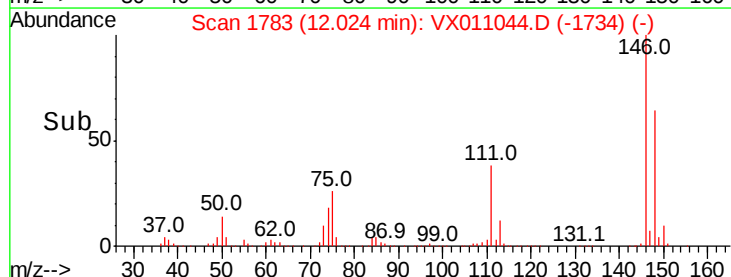
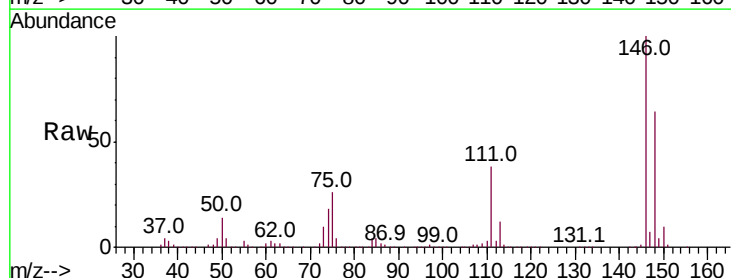
Manual Integrations
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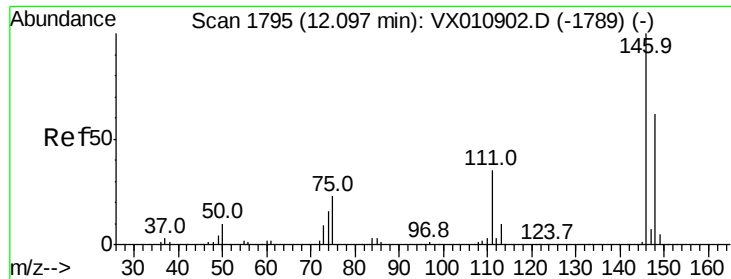
MMDadoda
 7/23/2019 11:12:22 AM



#87
 1,3-Dichlorobenzene
 Concen: 49.998 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011044.D
 Acq: 22 Jul 2019 20:30

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	265510		
111	38.6		18.9	56.9
148	63.8		32.2	96.6





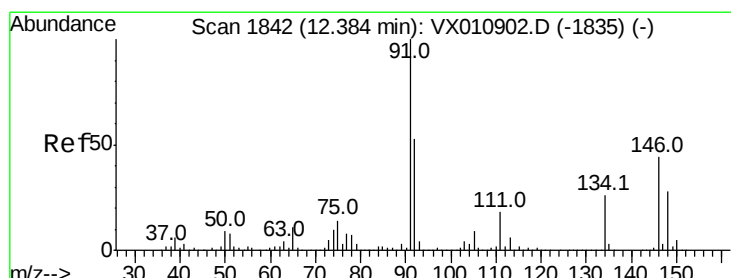
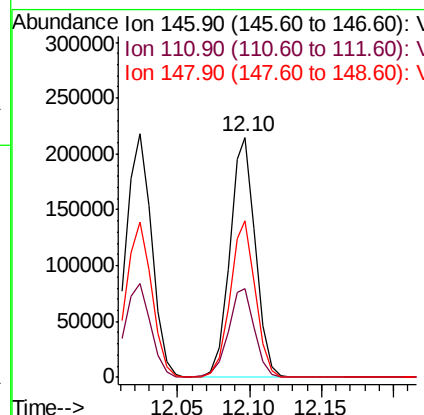
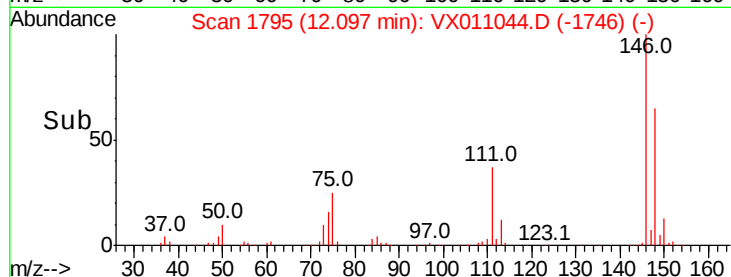
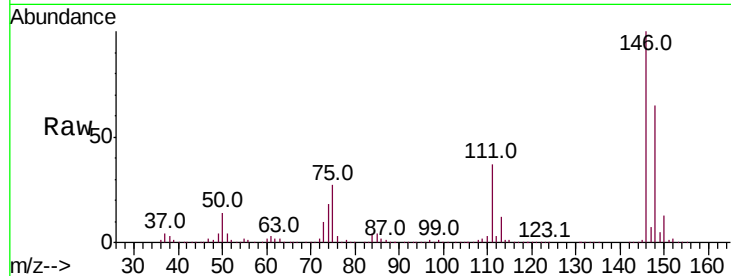
#88
 1,4-Dichlorobenzene
 Concen: 48.944 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX011044.D
 Acq: 22 Jul 2019 20:30

Instrument :
 MSVOA_X
 ClientSampleId :
 SU19-MSW0620MSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	266568		
111	38.0	18.6	55.8	
148	64.7	31.6	94.7	

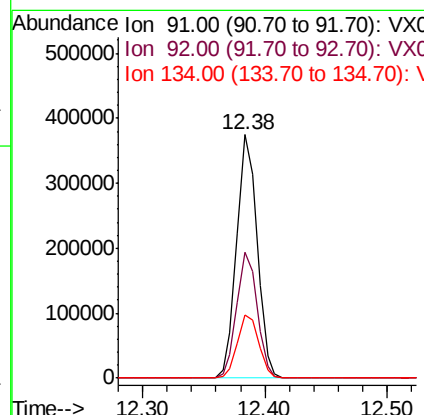
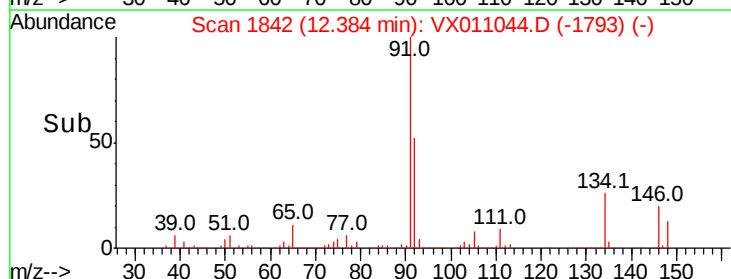
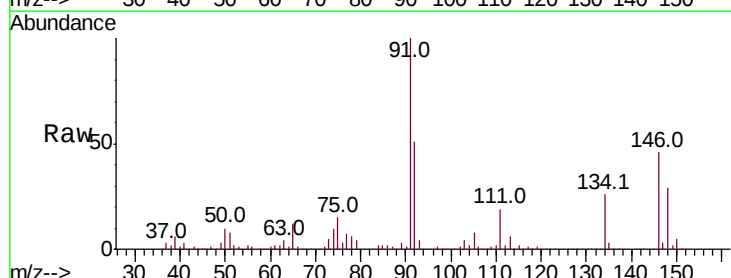
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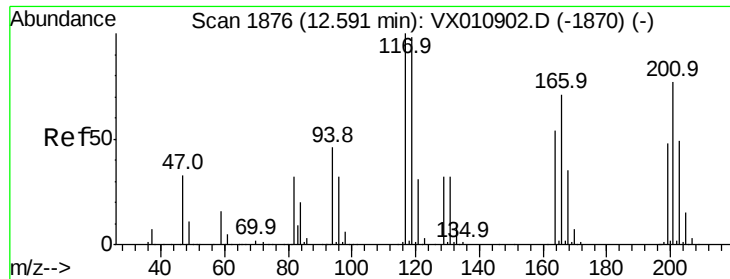
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 7/23/2019 11:12:22 AM



#89
 n-Butylbenzene
 Concen: 51.150 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: VX011044.D
 Acq: 22 Jul 2019 20:30

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	431634		
92	51.9	26.2	78.5	
134	27.1	13.8	41.3	





#90

Hexachloroethane

Concen: 52.177 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0620MSD

Tot Ion:117 Resp: 81174

Ion Ratio Lower Upper

117 100

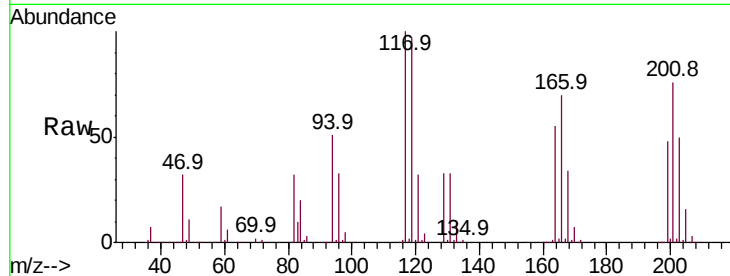
201 84.5 43.3 129.8

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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

12.59

60000

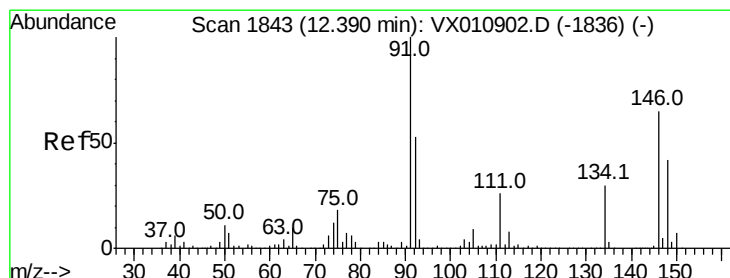
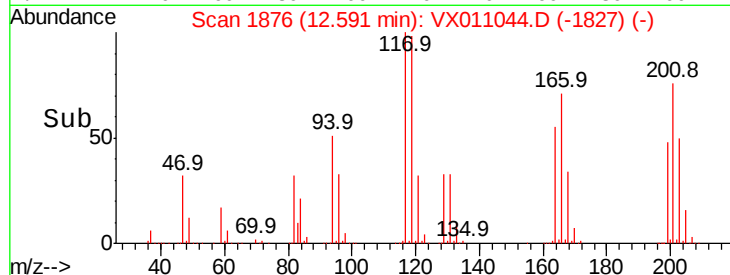
40000

20000

0

Time-->

12.55 12.60 12.65



#91

1,2-Dichlorobenzene

Concen: 49.764 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

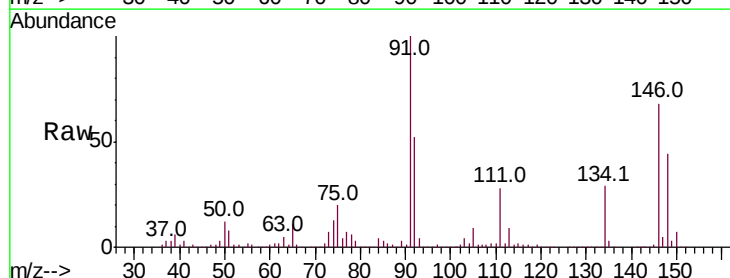
Tgt Ion:146 Resp: 261908

Ion Ratio Lower Upper

146 100

111 40.4 19.9 59.7

148 64.8 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

300000

250000

200000

150000

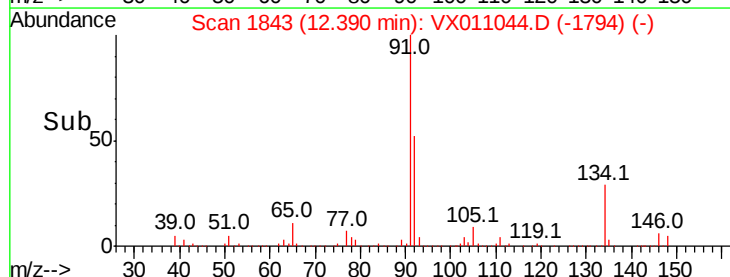
100000

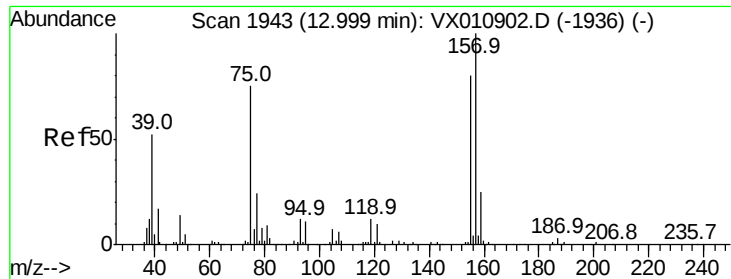
50000

0

Time-->

12.30 12.40 12.50





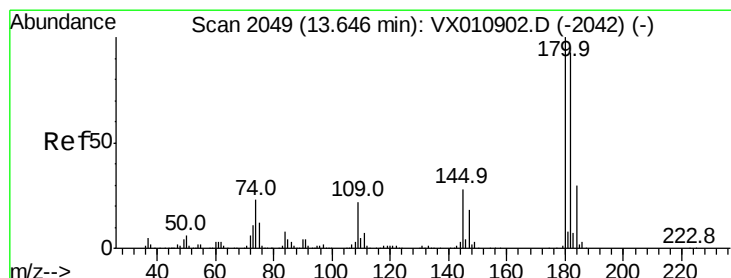
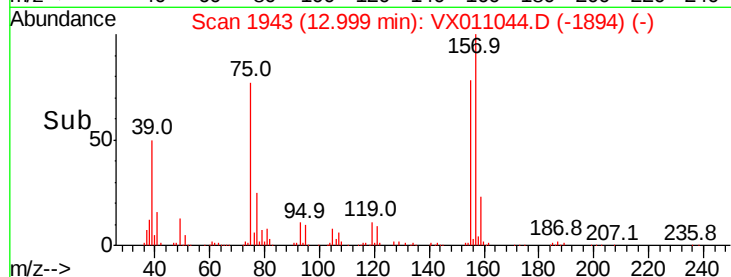
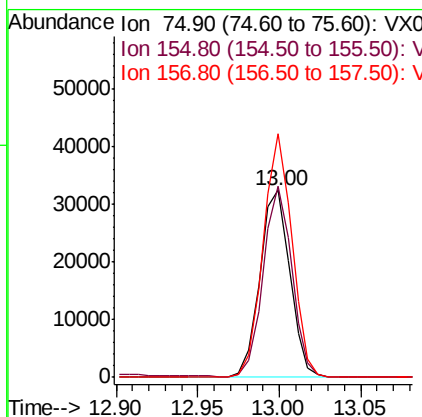
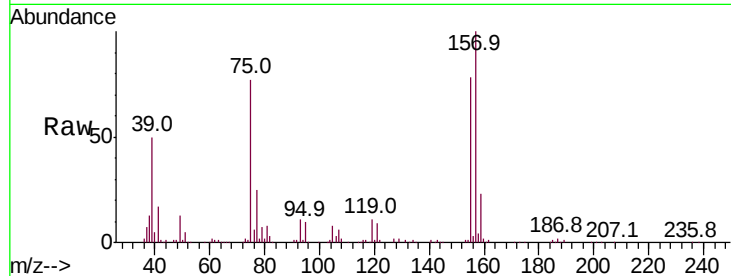
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.773 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX011044.D
 Acq: 22 Jul 2019 20:30

Instrument :
 MSVOA_X
 ClientSampleId :
 SU19-MSW0620MSD

Tot Ion: 75 Resp: 41566
 Ion Ratio Lower Upper
 75 100
 155 97.7 48.7 146.1
 157 124.1 62.5 187.6

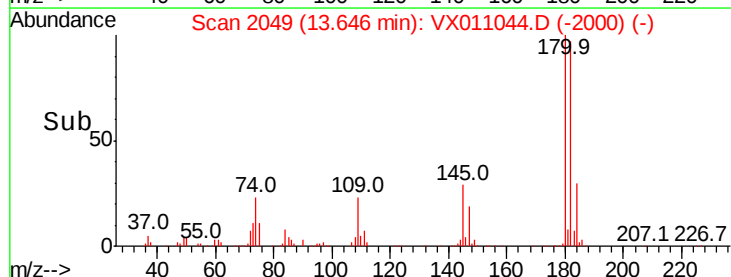
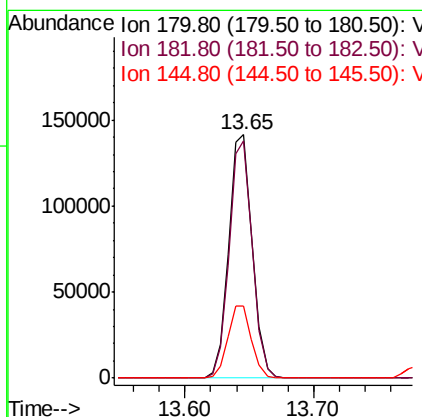
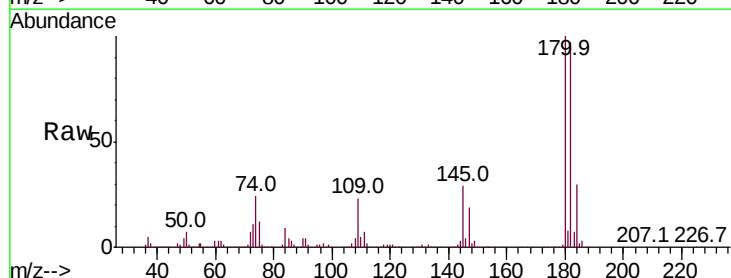
Manual Integrations
 APPROVED

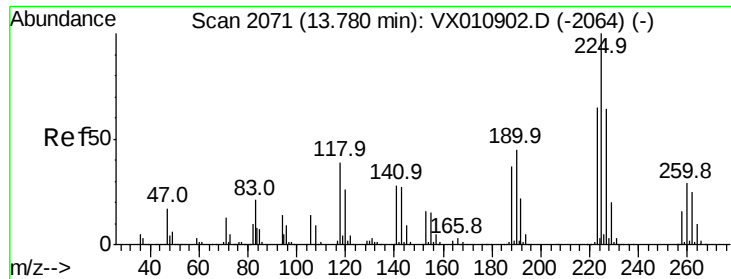
MMDadoda
 7/23/2019 11:12:22 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 50.848 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX011044.D
 Acq: 22 Jul 2019 20:30

Tgt Ion: 180 Resp: 181365
 Ion Ratio Lower Upper
 180 100
 182 96.0 47.1 141.3
 145 30.0 14.8 44.4





#94

Hexachlorobutadiene

Concen: 48.587 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Instrument :

MSVOA_X

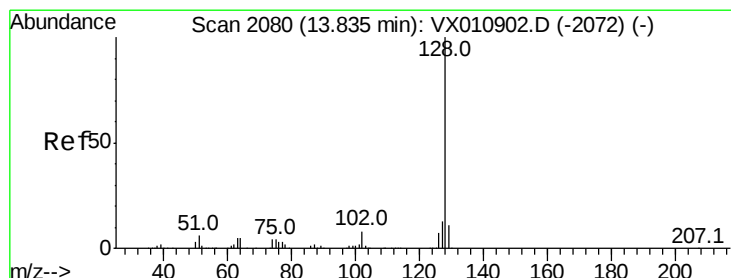
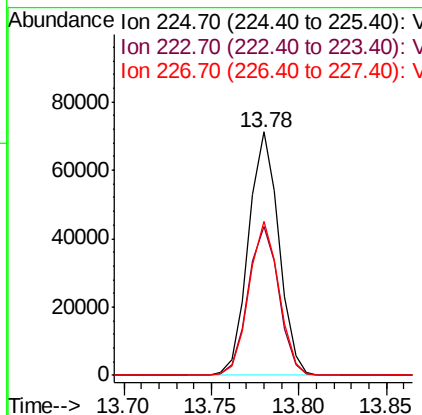
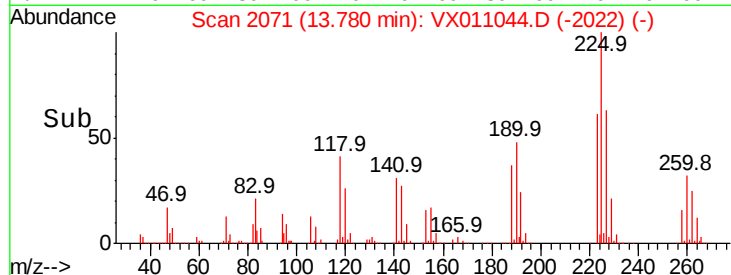
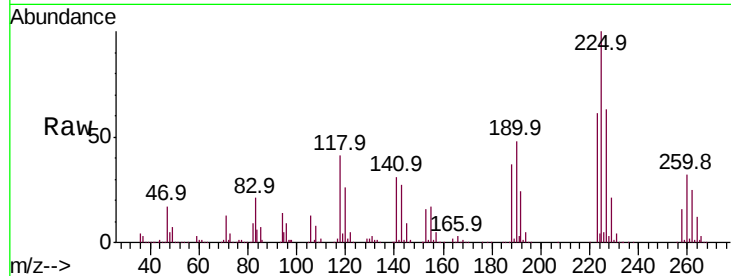
ClientSampleId :

SU19-MSW0620MSD

Tot Ion:	225	Resp:	85880
Ion Ratio	Lower	Upper	
225	100		
223	61.6	31.9	95.9
227	62.2	32.5	97.4

Manual Integrations
APPROVED

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7/23/2019 11:12:22 AM



#95

Naphthalene

Concen: 53.554 ug/l

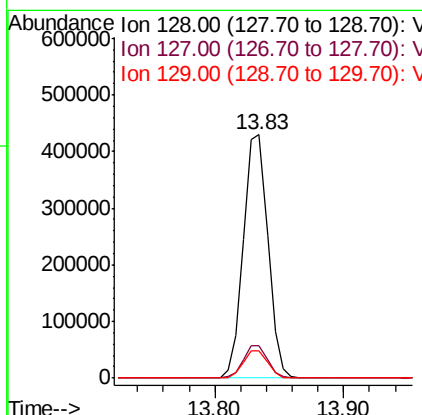
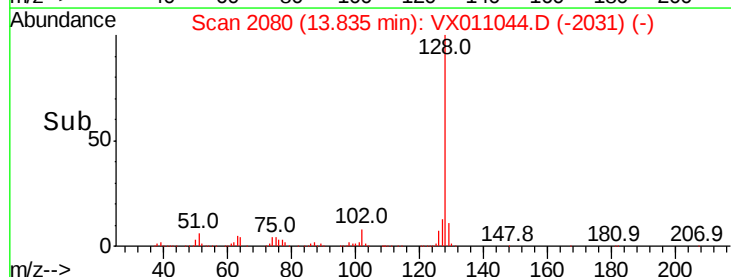
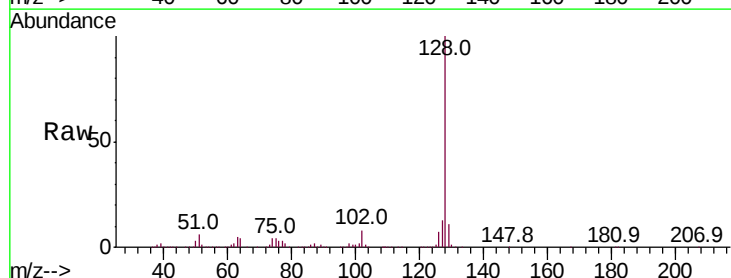
RT: 13.83 min Scan# 2080

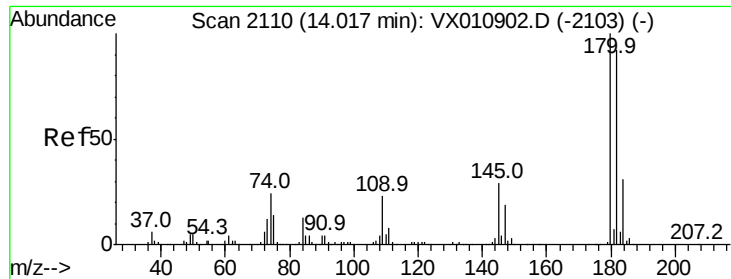
Delta R.T. 0.00 min

Lab File: VX011044.D

Acq: 22 Jul 2019 20:30

Tgt Ion:	128	Resp:	564060
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.4	15.6
129	11.2	8.9	13.3





#96
 1,2,3-Trichlorobenzene
 Concen: 51.271 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX011044.D
 Acq: 22 Jul 2019 20:30

Instrument :
 MSVOA_X
 ClientSampleId :
 SU19-MSW0620MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.0	47.4	142.3
145	31.8	15.1	45.3

Manual Integrations
 APPROVED

MMDadoda
 7/23/2019 11:12:22 AM

