

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080119\
 Data File : VX011289.D
 Acq On : 02 Aug 2019 03:31
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/2/2019 9:04:58 AM

Quant Time: Aug 02 04:06:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	146248	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	217175	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	204381	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	110527	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	75287	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
35) Dibromofluoromethane	5.49	113	70657	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
50) Toluene-d8	8.71	98	268759	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
62) 4-Bromofluorobenzene	11.13	95	98473	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.19	85	58636	51.912	ug/l 100
3) Chloromethane	1.32	50	66540	52.459	ug/l 100
4) Vinyl Chloride	1.40	62	74149	53.144	ug/l 100
5) Bromomethane	1.63	94	52207	52.465	ug/l 98
6) Chloroethane	1.71	64	53419	62.496	ug/l 98
7) Trichlorofluoromethane	1.92	101	132626	53.460	ug/l 97
8) Diethyl Ether	2.18	74	47008	53.066	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	67965	50.632	ug/l 100
10) Methyl Iodide	2.50	142	95506	56.434	ug/l 100
11) Tert butyl alcohol	3.04	59	85725	291.889	ug/l 99
12) 1,1-Dichloroethene	2.37	96	68670	51.607	ug/l 94
13) Acrolein	2.29	56	47174	258.482	ug/l 99
14) Allyl chloride	2.72	41	97321	54.863	ug/l 98
15) Acrylonitrile	3.13	53	197521	281.837	ug/l 98
16) Acetone	2.43	43	163676	233.482	ug/l 99
17) Carbon Disulfide	2.56	76	173311	55.504	ug/l 100
18) Methyl Acetate	2.76	43	88128	55.010	ug/l 99
19) Methyl tert-butyl Ether	3.19	73	218158	55.635	ug/l 97
20) Methylene Chloride	2.85	84	79197	51.585	ug/l 97
21) trans-1,2-Dichloroethene	3.16	96	74277	52.770	ug/l 96
22) Diisopropyl ether	3.85	45	213727	54.820	ug/l 98
23) Vinyl Acetate	3.81	43	931457	288.053	ug/l 99
24) 1,1-Dichloroethane	3.69	63	123605	53.766	ug/l 98
25) 2-Butanone	4.67	43	270040	270.797	ug/l 99
26) 2,2-Dichloropropane	4.58	77	66438	37.177	ug/l 97
27) cis-1,2-Dichloroethene	4.59	96	86659	53.451	ug/l 95
28) Bromochloromethane	5.01	49	53983	51.508	ug/l 98
29) Tetrahydrofuran	5.12	42	173000	282.941	ug/l 100
30) Chloroform	5.20	83	135580	54.262	ug/l 100
31) Cyclohexane	5.57	56	100502	52.989	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	115940	54.167	ug/l 99
36) 1,1-Dichloropropene	5.79	75	96583	50.937	ug/l 99
37) Ethyl Acetate	4.82	43	103616	54.478	ug/l 99
38) Carbon Tetrachloride	5.77	117	102492	53.727	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	111303	49.522	ug/l	99
40) Benzene	6.14	78	300595	53.125	ug/l	96
41) Methacrylonitrile	5.04	41	57636	55.487	ug/l	98
42) 1,2-Dichloroethane	6.19	62	102838	53.748	ug/l	99
43) Isopropyl Acetate	6.44	43	164440	54.078	ug/l	99
44) Trichloroethene	7.21	130	88491	51.668	ug/l	95
45) 1,2-Dichloropropane	7.51	63	75658	51.630	ug/l	98
46) Dibromomethane	7.66	93	56290	52.620	ug/l	98
47) Bromodichloromethane	7.90	83	100752	55.628	ug/l	99
48) Methyl methacrylate	7.77	41	81338	56.838	ug/l	99
49) 1,4-Dioxane	7.73	88	44515	1072.979	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	560661	285.698	ug/l	100
52) Toluene	8.78	92	199657	53.369	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	101457	48.208	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	114232	53.993	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	83530	54.305	ug/l	99
56) Ethyl methacrylate	9.18	69	125034	57.042	ug/l	100
57) 1,3-Dichloropropane	9.37	76	129669	53.305	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	277710	257.672	ug/l	100
59) 2-Hexanone	9.49	43	439036	288.835	ug/l	99
60) Dibromochloromethane	9.58	129	89355	56.741	ug/l	98
61) 1,2-Dibromoethane	9.67	107	90295	54.335	ug/l	99
64) Tetrachloroethene	9.34	164	89089	51.328	ug/l	98
65) Chlorobenzene	10.13	112	225887	51.546	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	83172	55.438	ug/l	99
67) Ethyl Benzene	10.25	91	390453	53.202	ug/l	99
68) m/p-Xylenes	10.36	106	305622	107.661	ug/l	100
69) o-Xylene	10.69	106	147829	53.001	ug/l	100
70) Styrene	10.71	104	256038	55.479	ug/l	99
71) Bromoform	10.85	173	67967	50.630	ug/l #	99
73) Isopropylbenzene	11.02	105	399333	52.827	ug/l	100
74) N-amyl acetate	10.90	43	155735	57.017	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	133044	52.814	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	110246m	54.772	ug/l	
77) Bromobenzene	11.25	156	111110	53.007	ug/l	99
78) n-propylbenzene	11.36	91	447713	53.259	ug/l	99
79) 2-Chlorotoluene	11.42	91	262253	52.341	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	337461	53.329	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	34047	45.605	ug/l	99
82) 4-Chlorotoluene	11.51	91	306416	52.475	ug/l	100
83) tert-Butylbenzene	11.77	119	327131	52.710	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	339512	53.889	ug/l	99
85) sec-Butylbenzene	11.94	105	391126	52.454	ug/l	100
86) p-Isopropyltoluene	12.06	119	369268	53.831	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	193005	52.112	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	195049	51.072	ug/l	98
89) n-Butylbenzene	12.38	91	312510	52.879	ug/l	100
90) Hexachloroethane	12.60	117	56050	55.267	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	194336	52.222	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	27841	57.044	ug/l	97

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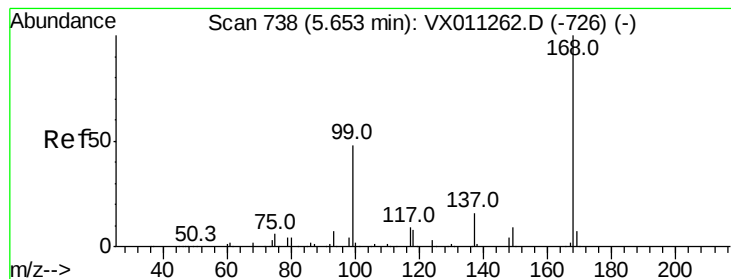
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	130912	53.045	ug/l	100
94) Hexachlorobutadiene	13.78	225	62219	49.691	ug/l	97
95) Naphthalene	13.83	128	407551	56.469	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	131450	52.391	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.00 min

Lab File: VX011289.D

Acq: 02 Aug 2019 03:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 146248

Ion Ratio Lower Upper

168 100

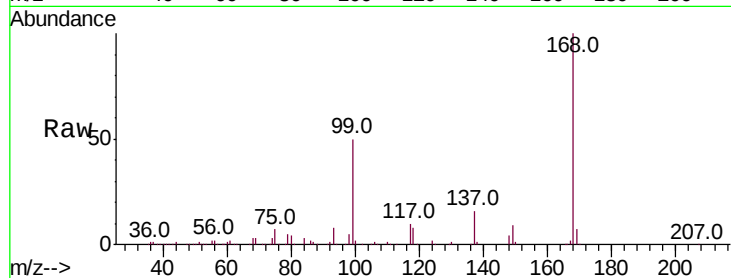
99 49.5 38.5 57.7

Manual Integrations

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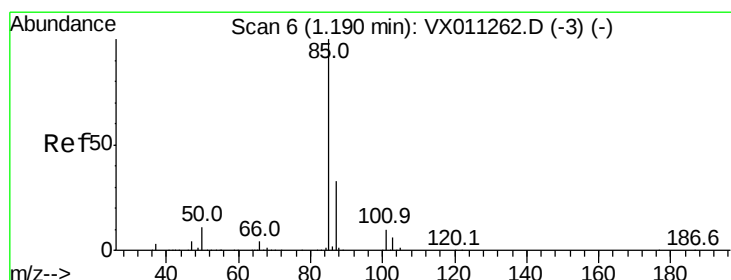
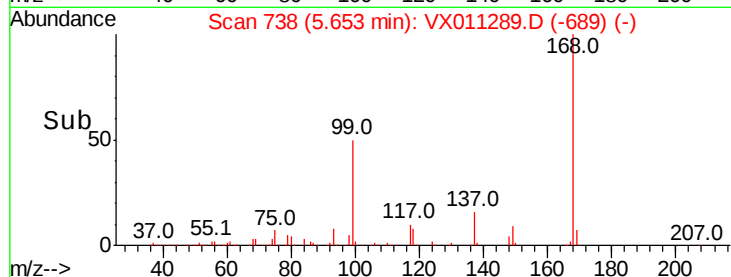
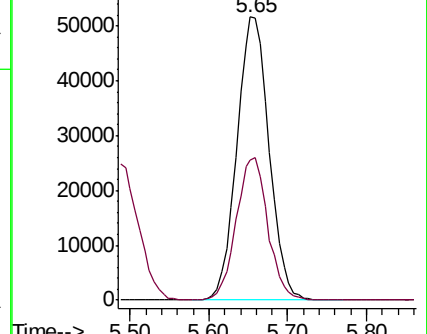
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 51.912 ug/l

RT: 1.19 min Scan# 6

Delta R.T. -0.00 min

Lab File: VX011289.D

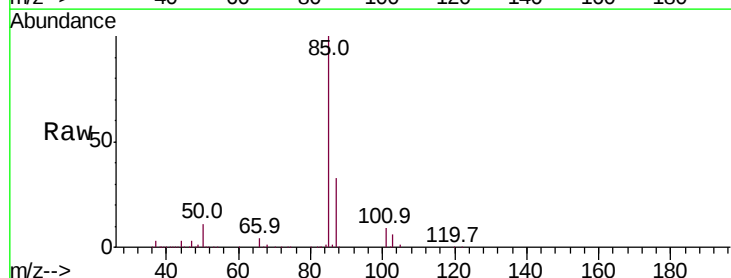
Acq: 02 Aug 2019 03:31

Tgt Ion: 85 Resp: 58636

Ion Ratio Lower Upper

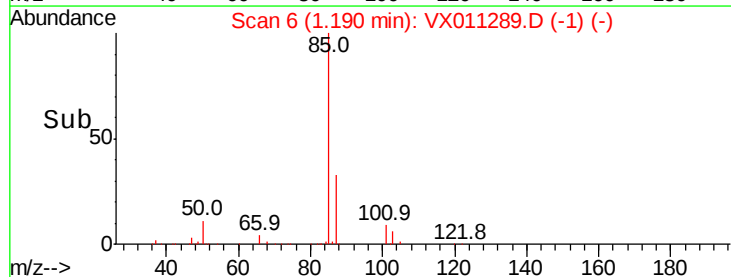
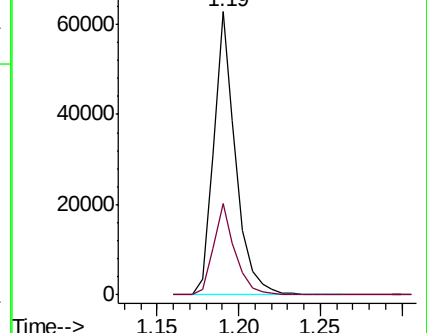
85 100

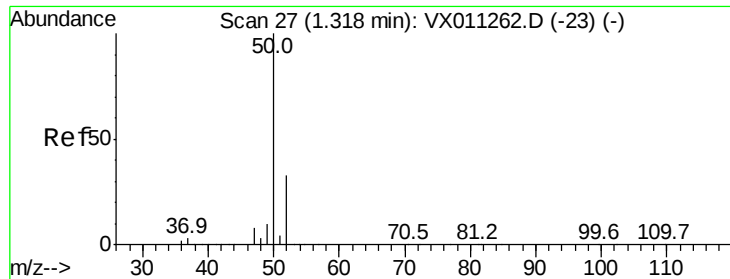
87 32.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 52.459 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.00 min

Lab File: VX011289.D

Acq: 02 Aug 2019 03:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 66540

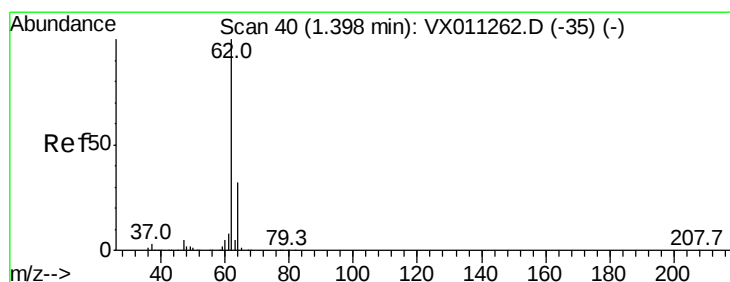
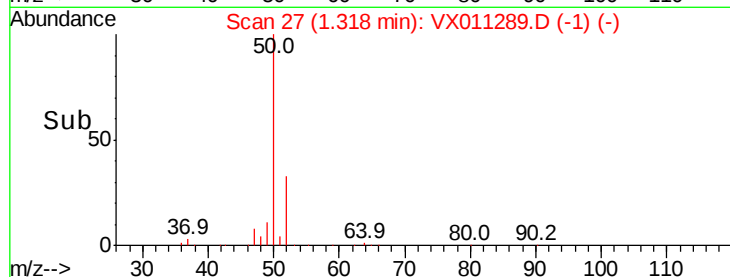
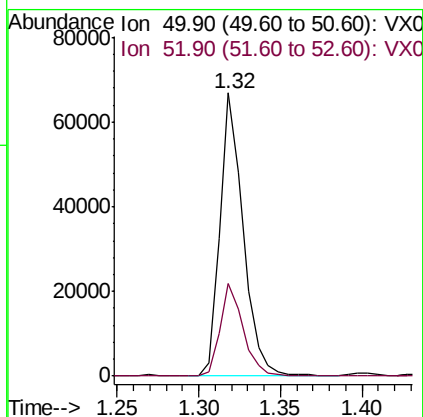
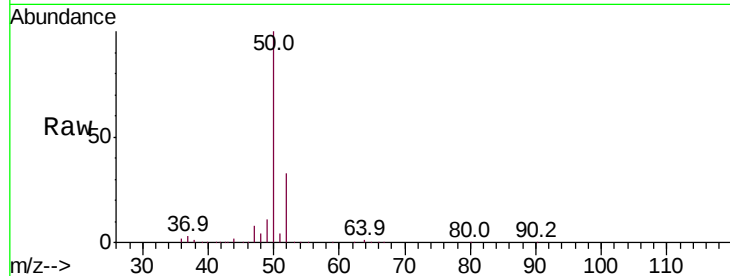
Ion Ratio Lower Upper

50 100

52 32.7 26.4 39.6

Manual Integrations
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#4

Vinyl Chloride

Concen: 53.144 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.01 min

Lab File: VX011289.D

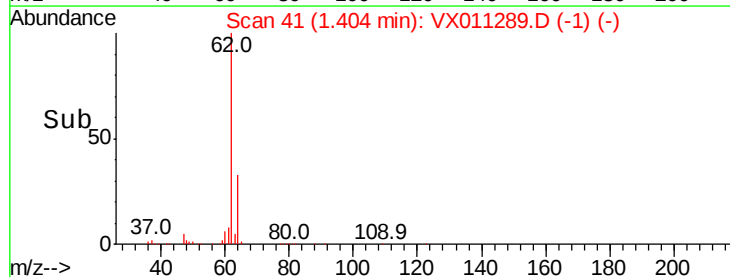
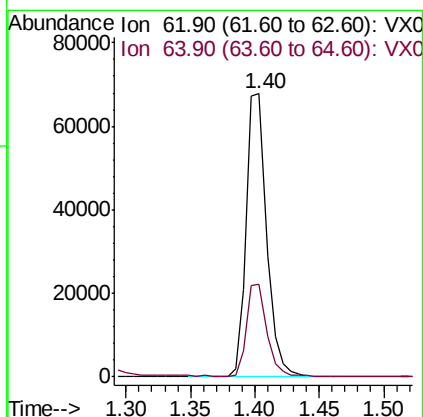
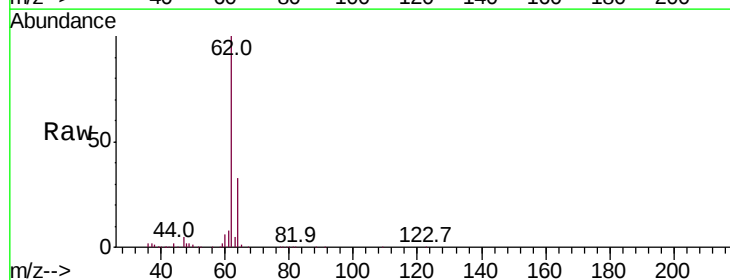
Acq: 02 Aug 2019 03:31

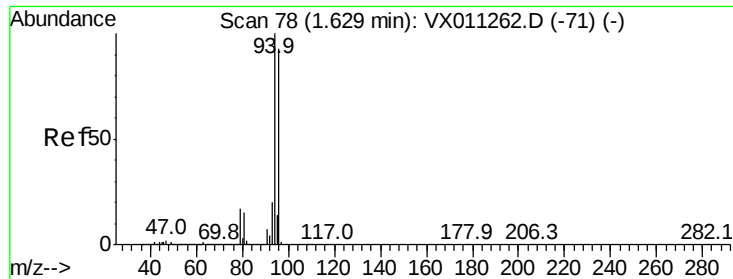
Tgt Ion: 62 Resp: 74149

Ion Ratio Lower Upper

62 100

64 32.5 26.0 39.0





#5

Bromomethane

Concen: 52.465 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.00 min

Lab File: VX011289.D

Acq: 02 Aug 2019 03:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 52207

Ion Ratio Lower Upper

94 100

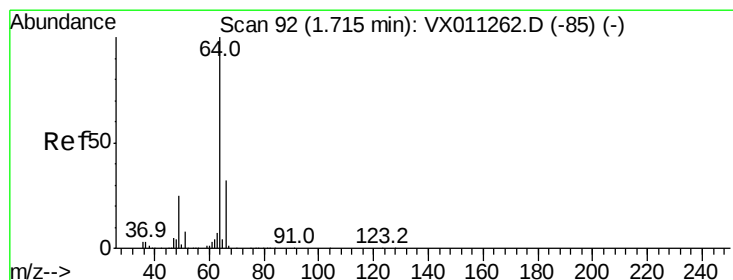
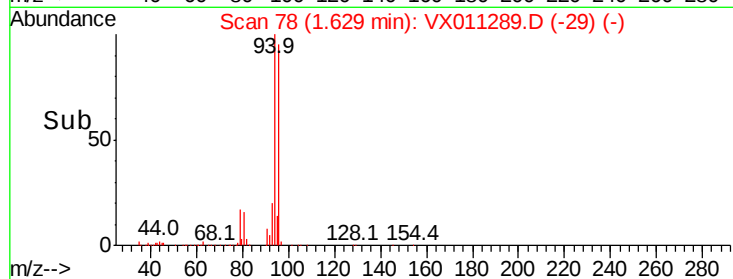
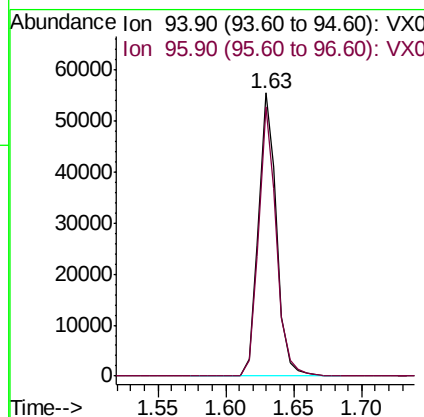
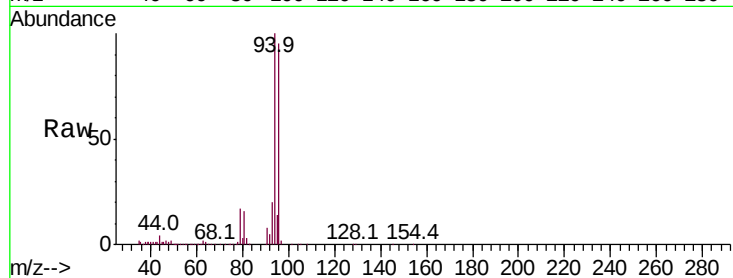
96 95.1 74.6 112.0

Manual Integrations

APPROVED

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#6

Chloroethane

Concen: 62.496 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011289.D

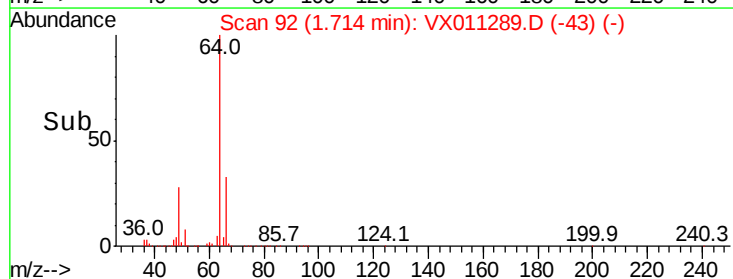
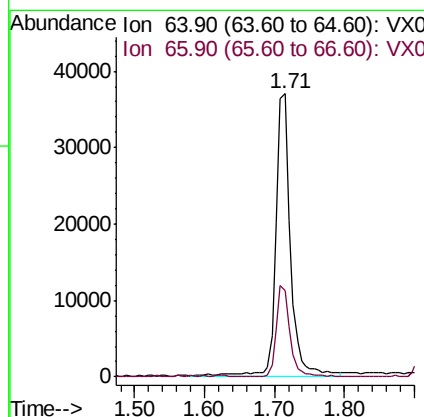
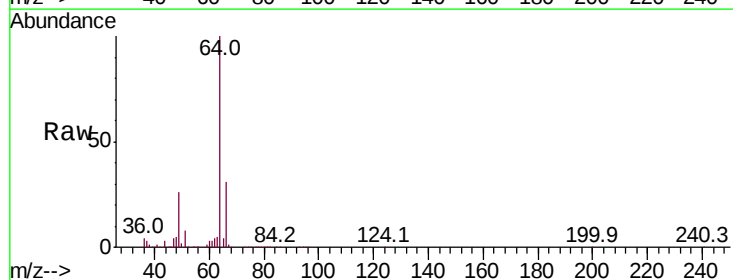
Acq: 02 Aug 2019 03:31

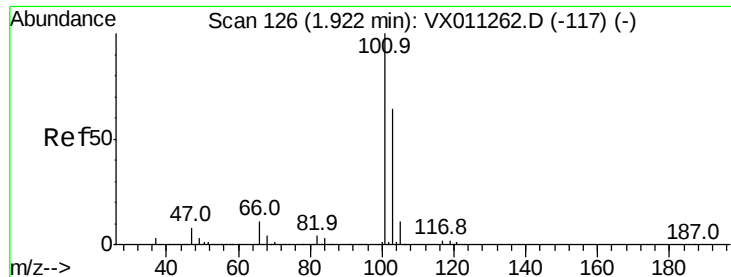
Tgt Ion: 64 Resp: 53419

Ion Ratio Lower Upper

64 100

66 30.4 25.1 37.7





#7

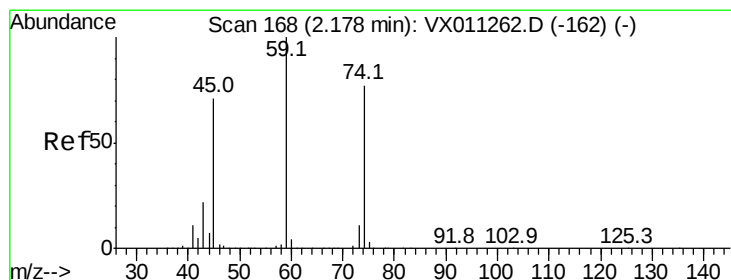
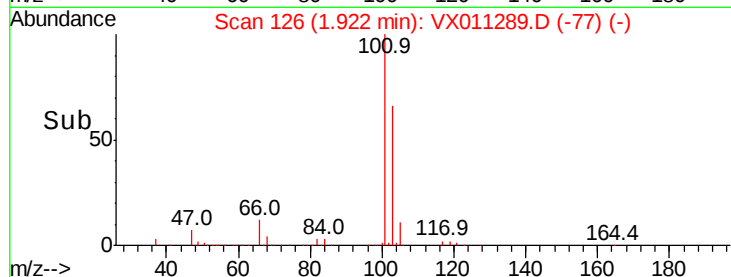
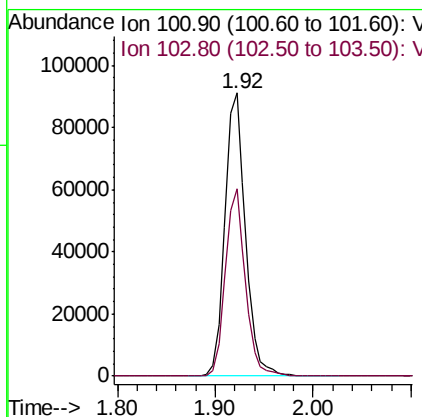
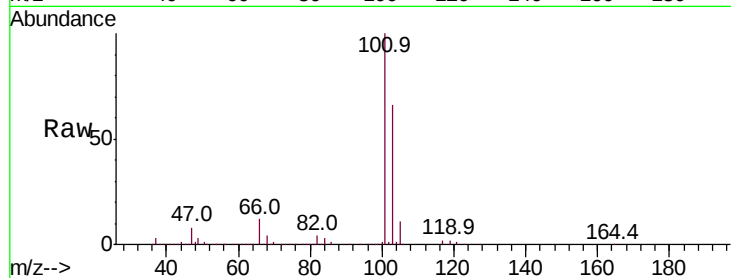
Trichlorofluoromethane
 Concen: 53.460 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.00 min
 Lab File: VX011289.D
 Acq: 02 Aug 2019 03:31

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	50.9	76.3

Manual Integrations
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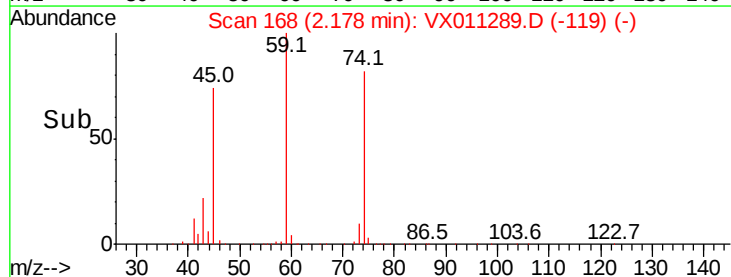
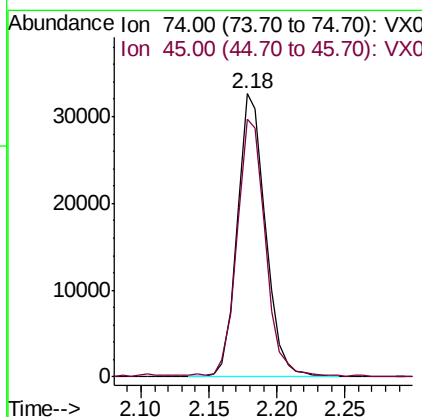
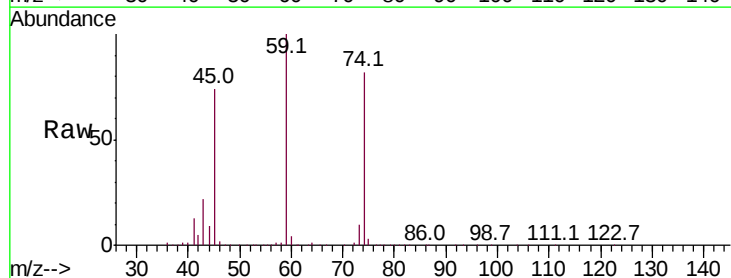
MMDadoda
 8/2/2019 9:04:58 AM

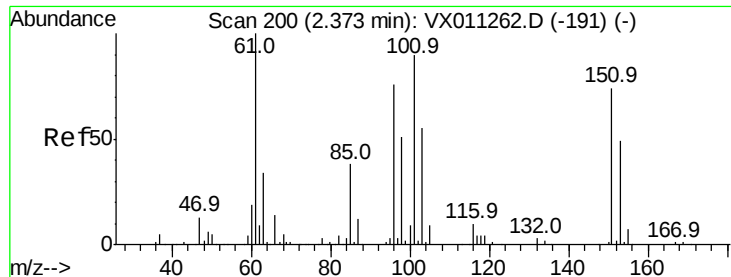


#8

Diethyl Ether
 Concen: 53.066 ug/l
 RT: 2.18 min Scan# 168
 Delta R.T. -0.00 min
 Lab File: VX011289.D
 Acq: 02 Aug 2019 03:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.2	46.1	138.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.632 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX011289.D

Acq: 02 Aug 2019 03:31

Instrument :

MSVOA_X

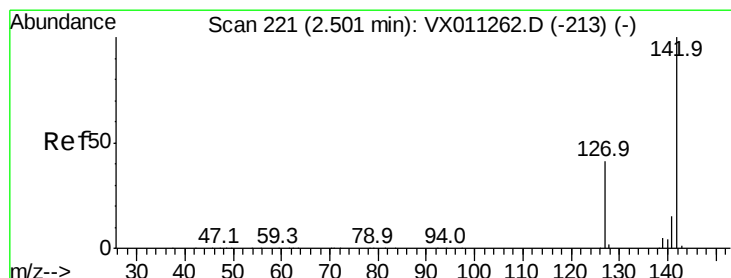
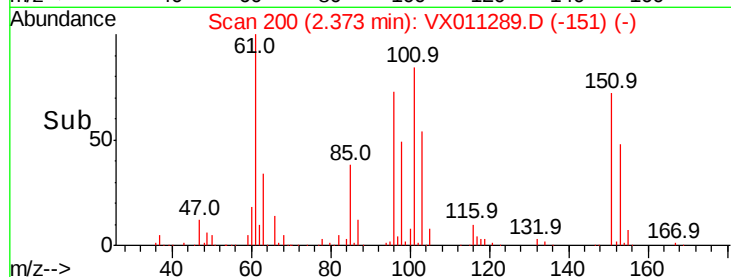
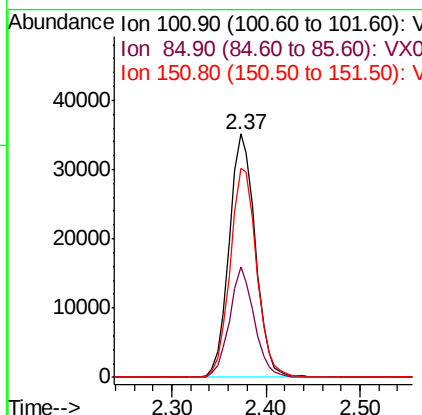
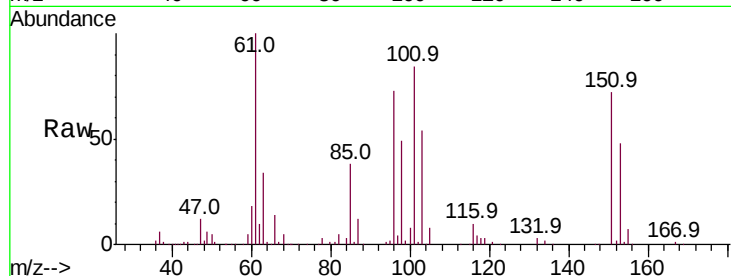
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	67965
Ion Ratio	Lower	Upper	
101	100		
85	42.7	33.8	50.6
151	87.0	69.5	104.3

Manual Integrations
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8/2/2019 9:04:58 AM



#10

Methyl Iodide

Concen: 56.434 ug/l

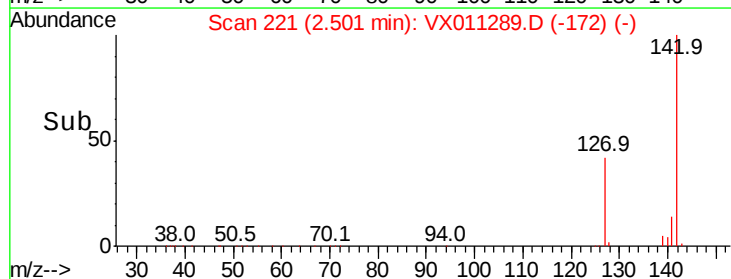
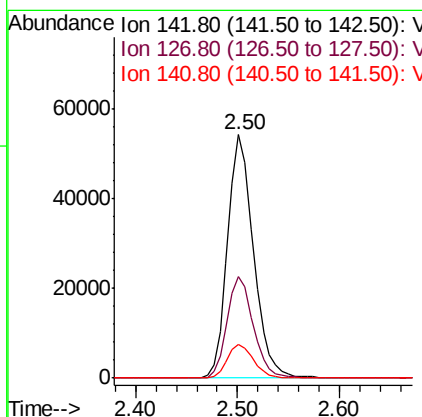
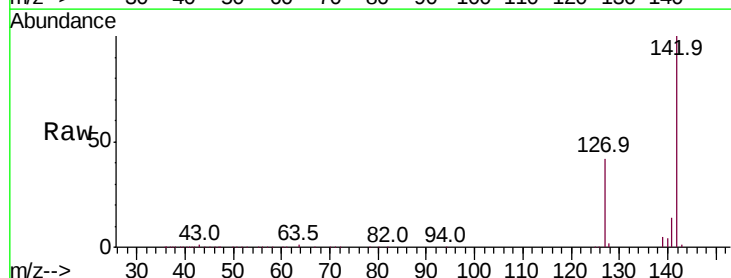
RT: 2.50 min Scan# 221

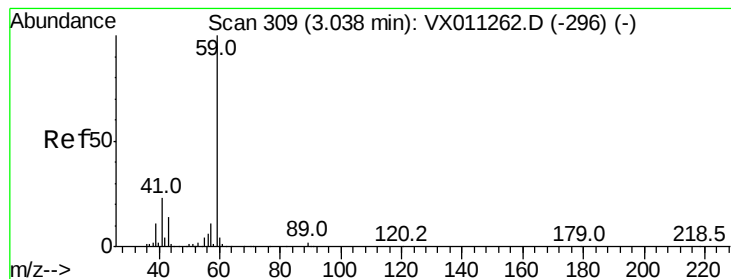
Delta R.T. -0.00 min

Lab File: VX011289.D

Acq: 02 Aug 2019 03:31

Tgt Ion:	142	Resp:	95506
Ion Ratio	Lower	Upper	
142	100		
127	42.3	33.8	50.8
141	14.3	11.4	17.2





#11

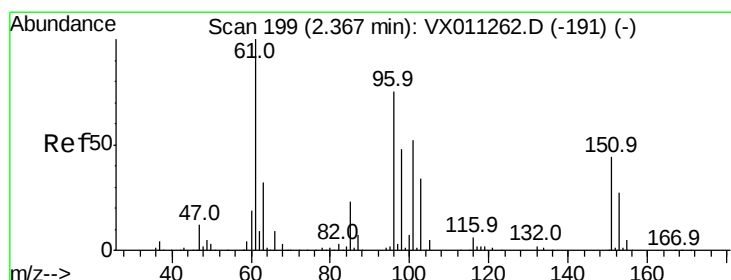
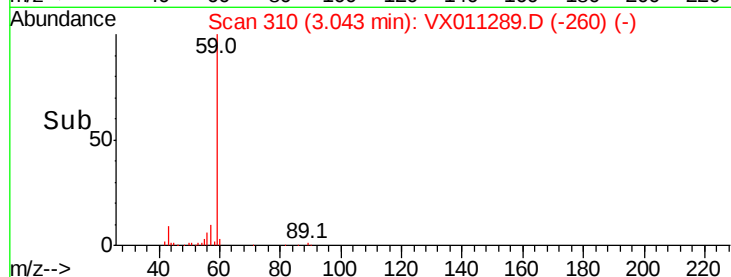
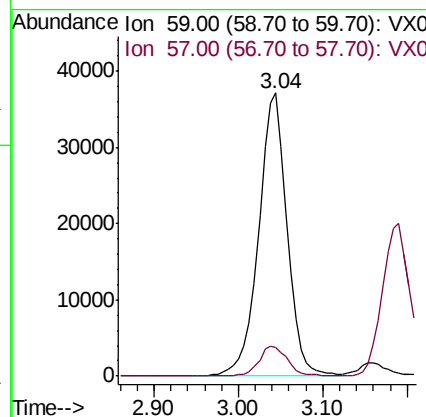
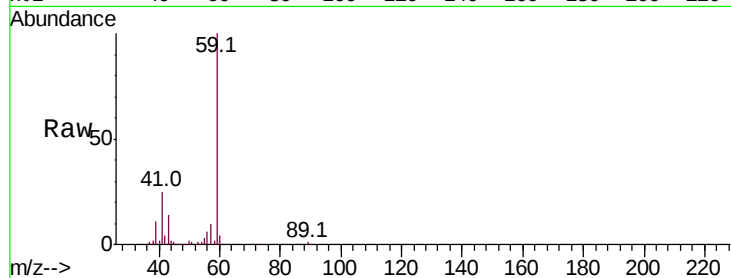
Tert butyl alcohol
Concen: 291.889 ug/l
RT: 3.04 min Scan# 310
Delta R.T. 0.01 min
Lab File: VX011289.D
Acq: 02 Aug 2019 03:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	85725
Ion Ratio	100	Lower	Upper
57	10.8	8.3	12.5

Manual Integrations
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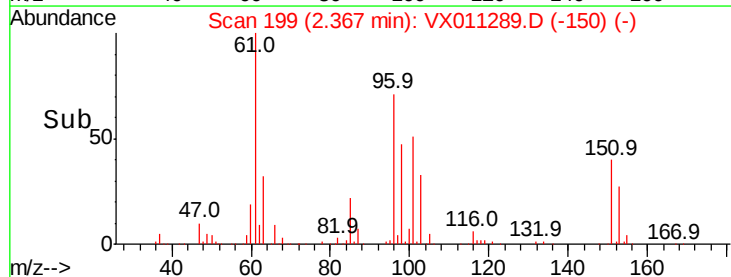
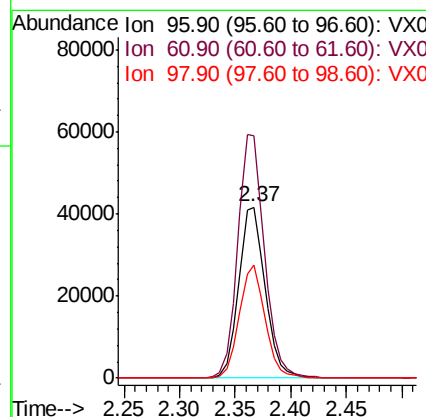
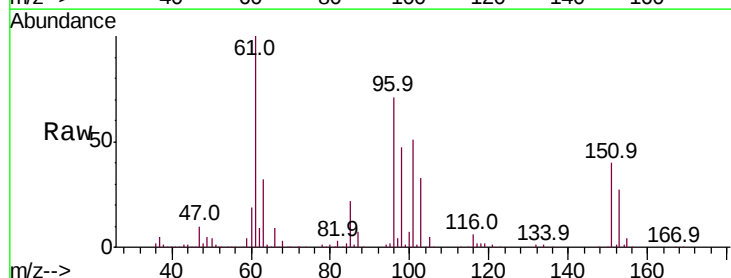
MMDadoda
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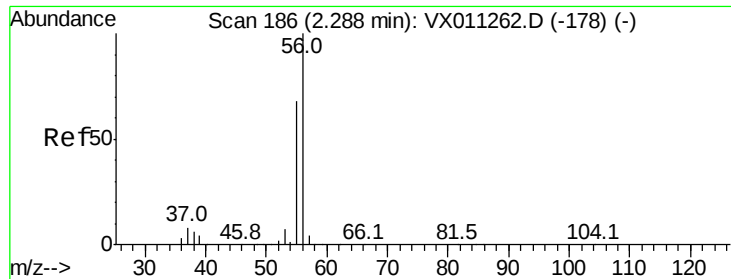


#12

1,1-Dichloroethene
Concen: 51.607 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.00 min
Lab File: VX011289.D
Acq: 02 Aug 2019 03:31

Tgt Ion	96	Resp	68670
Ion Ratio	100	Lower	Upper
61	141.7	106.2	159.2
98	66.4	50.6	75.8





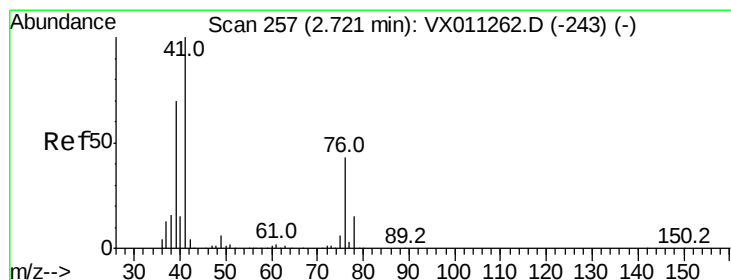
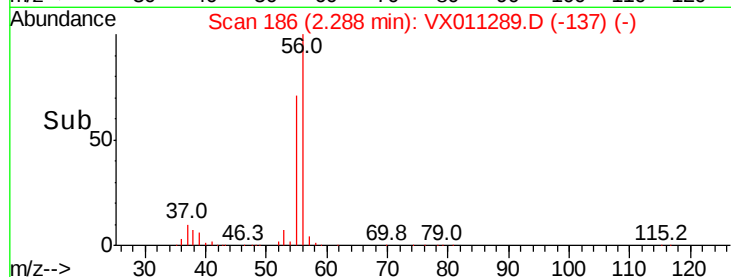
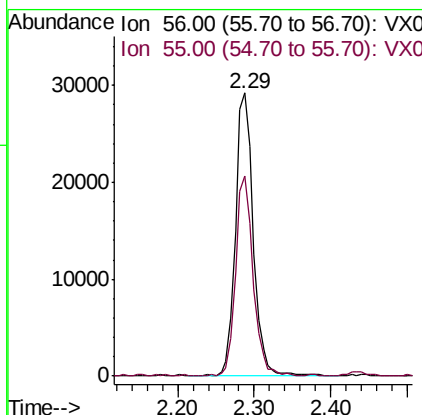
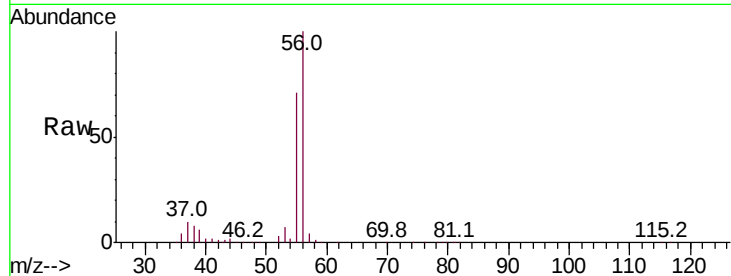
#13
Acrolein
Concen: 258.482 ug/l
RT: 2.29 min Scan# 186
Delta R.T. 0.00 min
Lab File: VX011289.D
Acq: 02 Aug 2019 03:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 47174
Ion Ratio Lower Upper
56 100
55 69.3 56.0 84.0

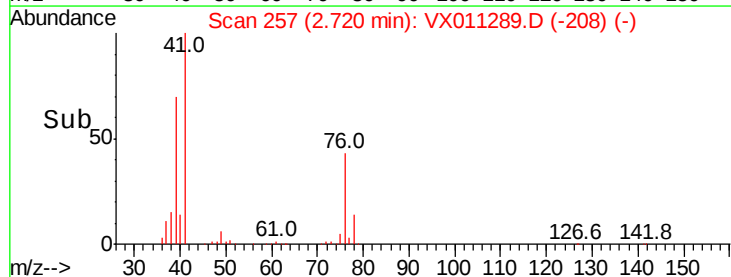
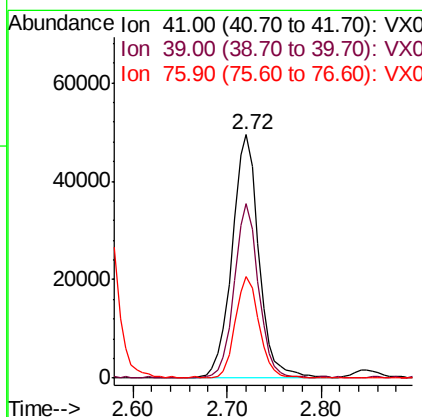
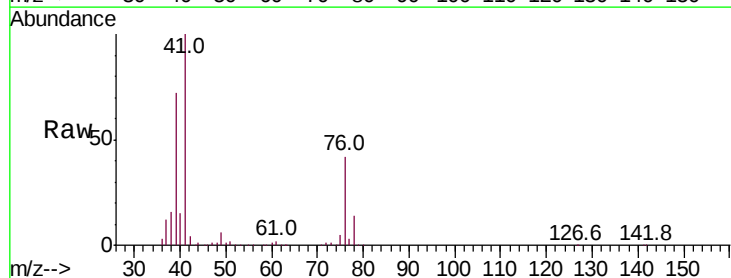
Manual Integrations
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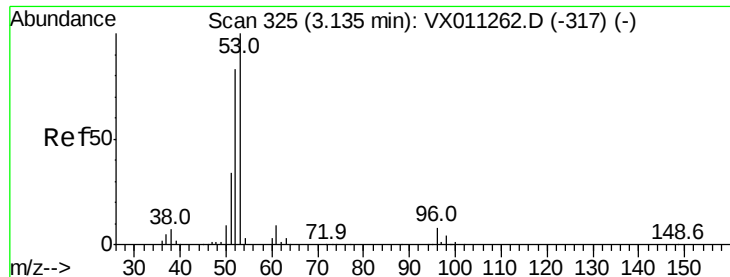
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#14
Allyl chloride
Concen: 54.863 ug/l
RT: 2.72 min Scan# 257
Delta R.T. -0.00 min
Lab File: VX011289.D
Acq: 02 Aug 2019 03:31

Tgt Ion: 41 Resp: 97321
Ion Ratio Lower Upper
41 100
39 65.1 52.8 79.2
76 37.1 31.1 46.7





#15

Acrylonitrile

Concen: 281.837 ug/l

RT: 3.13 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX011289.D

Acq: 02 Aug 2019 03:31

Instrument :

MSVOA_X

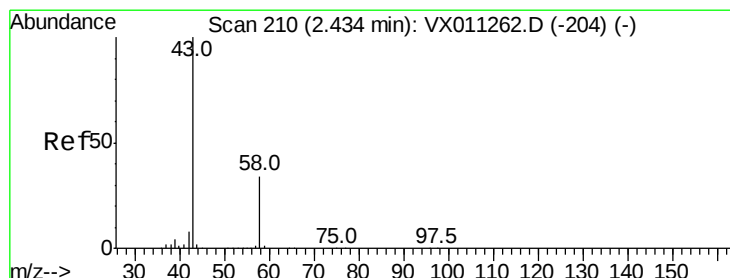
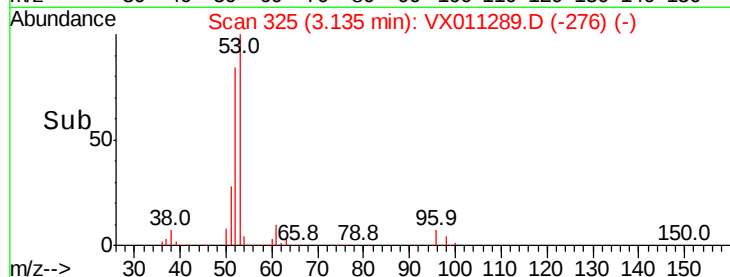
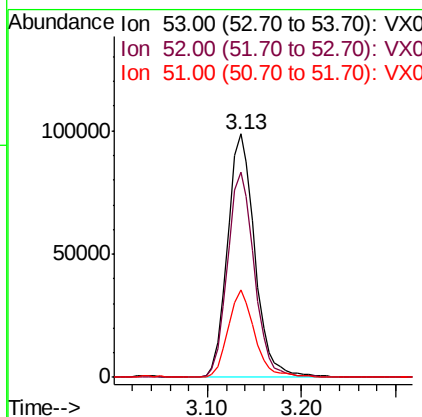
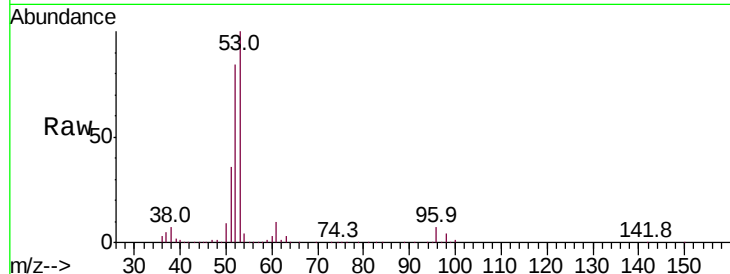
ClientSampled :

VSTDCCC050EC

Tot Ion:	53	Resp:	197521
Ion Ratio	Lower	Upper	
53	100		
52	83.6	65.5	98.3
51	35.4	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 233.482 ug/l

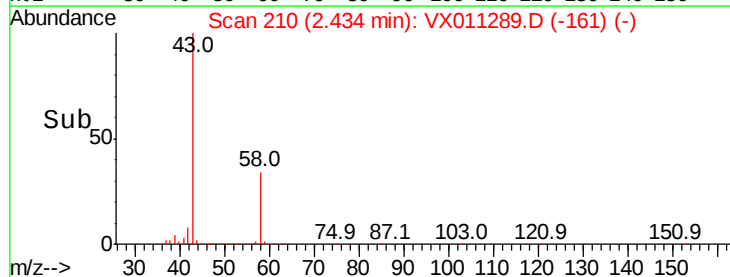
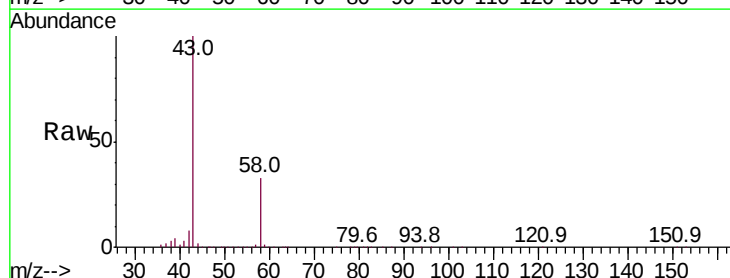
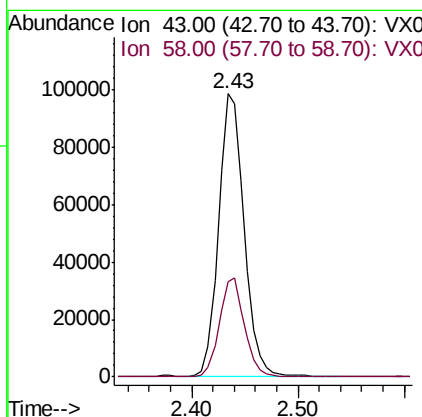
RT: 2.43 min Scan# 210

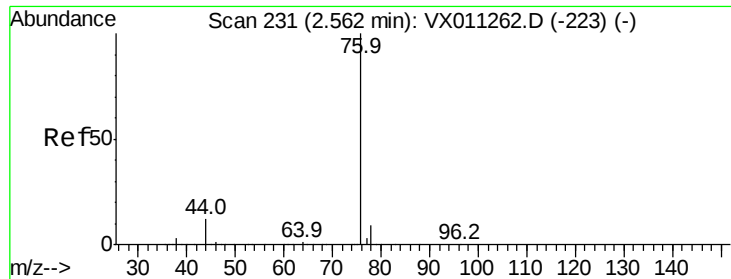
Delta R.T. -0.00 min

Lab File: VX011289.D

Acq: 02 Aug 2019 03:31

Tgt Ion:	43	Resp:	163676
Ion Ratio	Lower	Upper	
43	100		
58	33.5	27.4	41.0





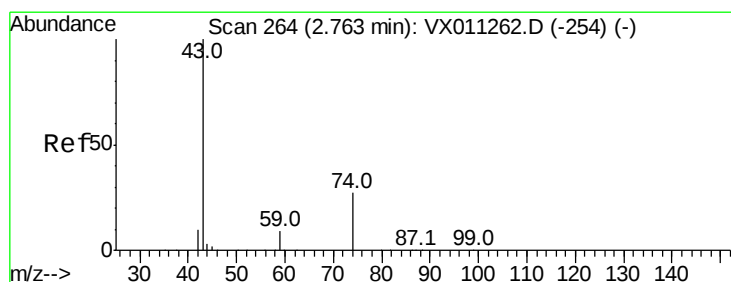
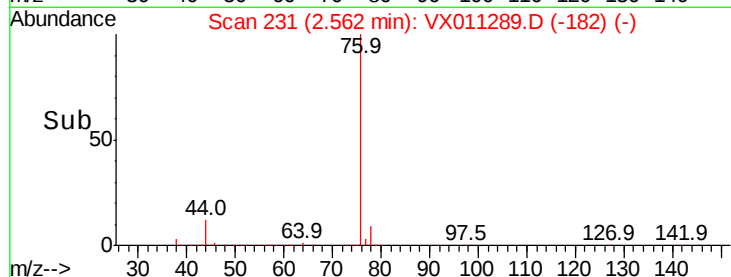
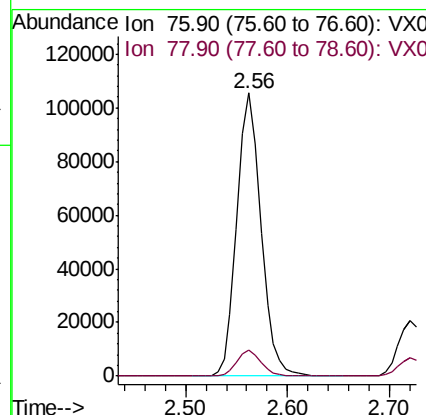
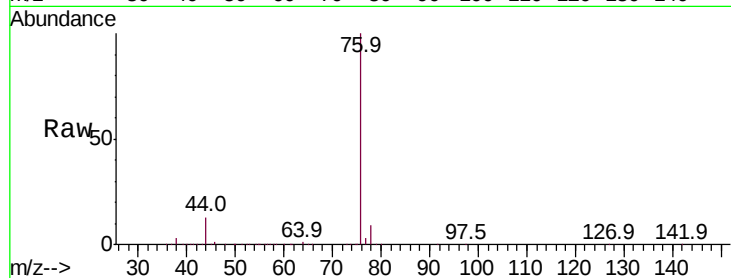
#17
Carbon Disulfide
Concen: 55.504 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.00 min
Lab File: VX011289.D
Acq: 02 Aug 2019 03:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.0

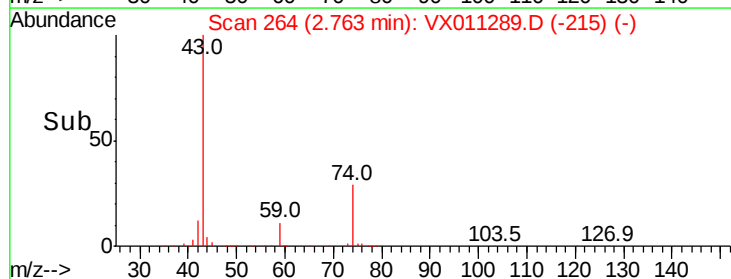
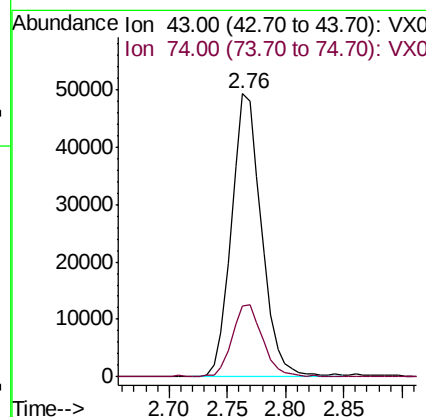
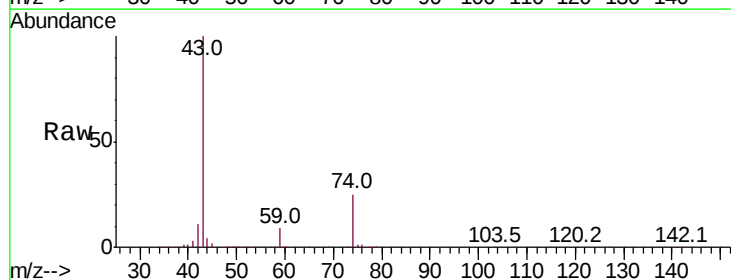
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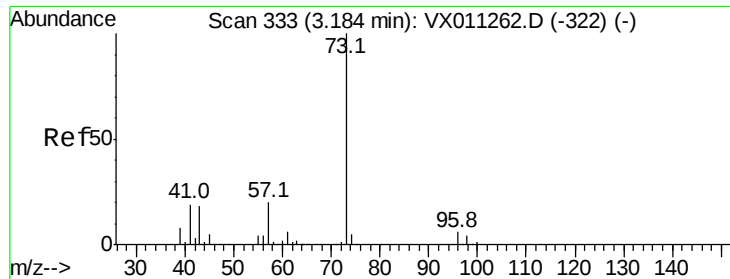
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#18
Methyl Acetate
Concen: 55.010 ug/l
RT: 2.76 min Scan# 264
Delta R.T. -0.00 min
Lab File: VX011289.D
Acq: 02 Aug 2019 03:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.8	21.0	31.6





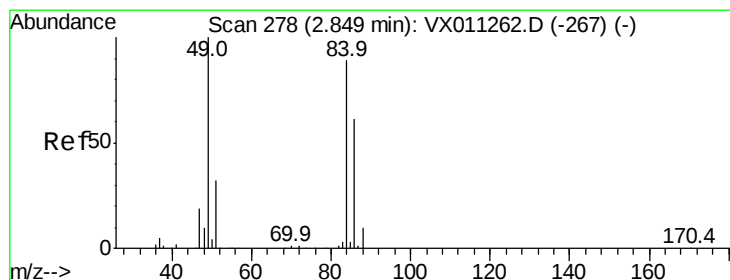
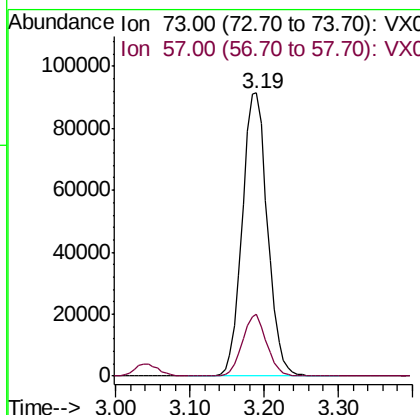
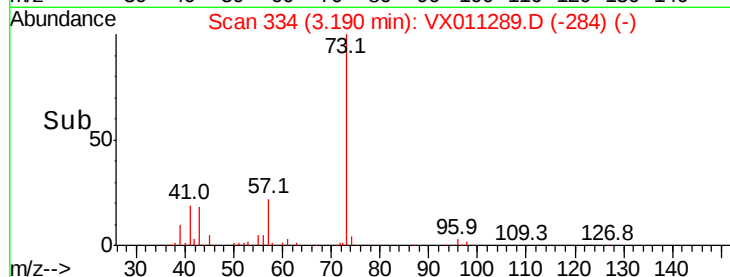
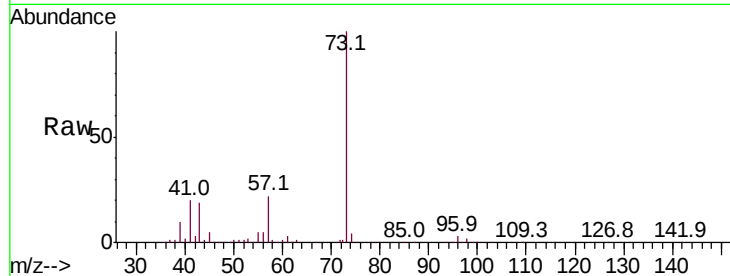
#19
Methvl tert-butvl Ether
Concen: 55.635 ug/l
RT: 3.19 min Scan# 334
Delta R.T. 0.01 min
Lab File: VX011289.D
Acq: 02 Aug 2019 03:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 218158
Ion Ratio Lower Upper
73 100
57 21.8 16.2 24.2

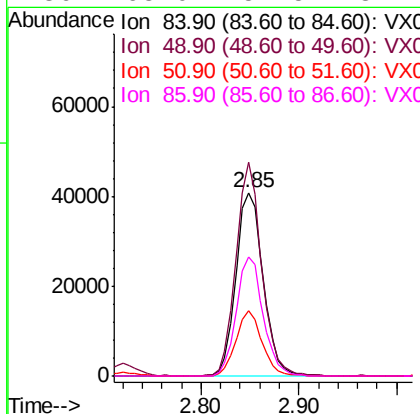
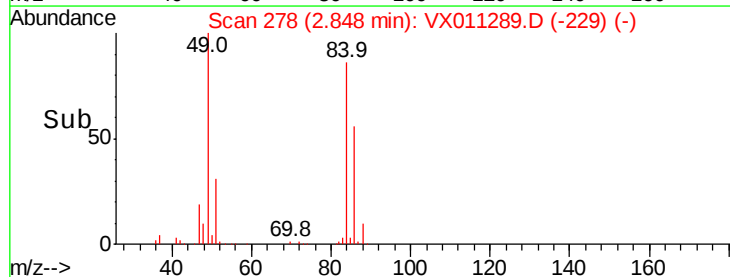
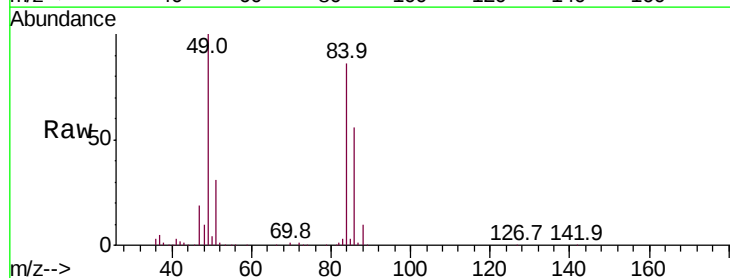
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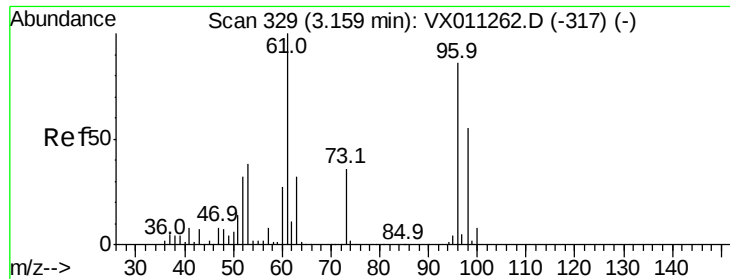
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#20
Methylene Chloride
Concen: 51.585 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.00 min
Lab File: VX011289.D
Acq: 02 Aug 2019 03:31

Tgt Ion: 84 Resp: 79197
Ion Ratio Lower Upper
84 100
49 116.0 89.3 133.9
51 35.7 28.3 42.5
86 65.0 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 52.770 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX011289.D

Acq: 02 Aug 2019 03:31

Instrument :

MSVOA_X

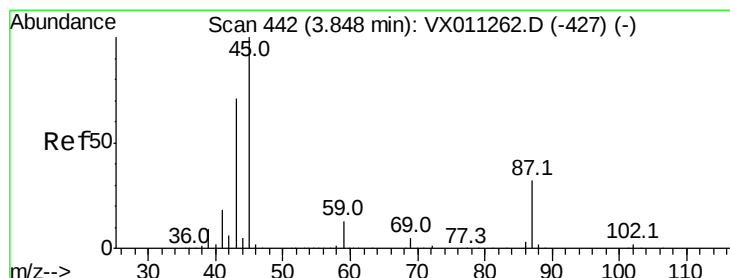
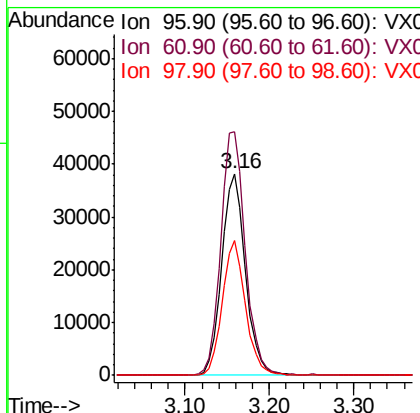
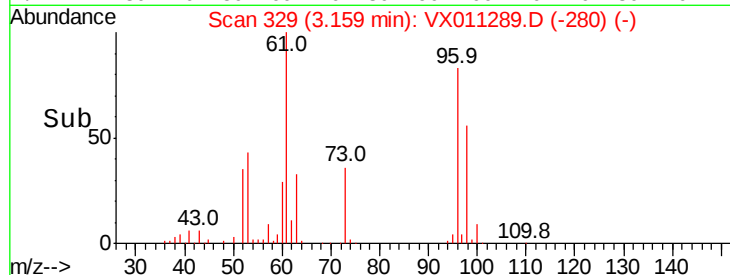
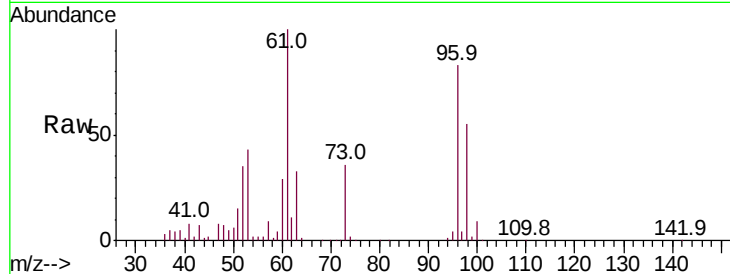
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	74277
Ion	Ratio	Lower	Upper
96	100		
61	120.4	92.8	139.2
98	66.9	51.2	76.8

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#22

Diisopropyl ether

Concen: 54.820 ug/l

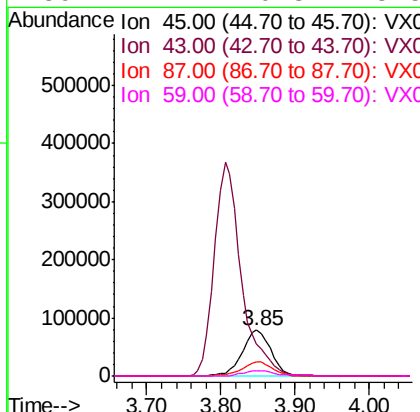
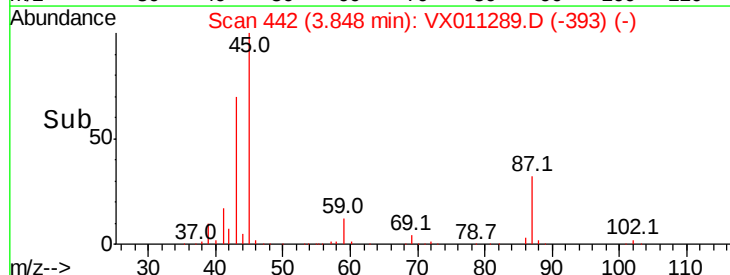
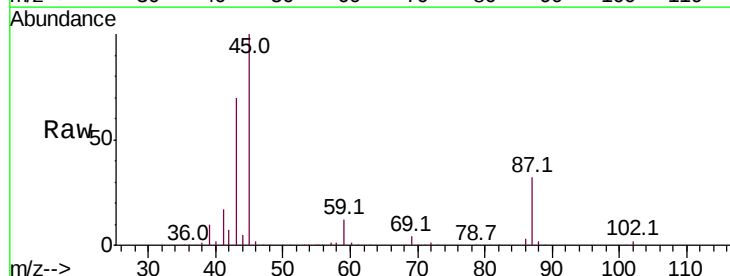
RT: 3.85 min Scan# 442

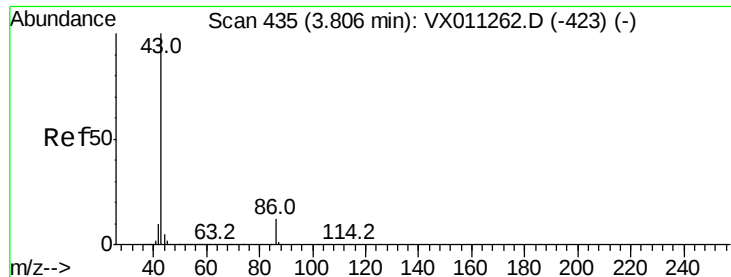
Delta R.T. -0.00 min

Lab File: VX011289.D

Acq: 02 Aug 2019 03:31

Tgt Ion:	45	Resp:	213727
Ion	Ratio	Lower	Upper
45	100		
43	69.7	56.8	85.2
87	31.6	25.8	38.6
59	12.1	10.3	15.5





#23

Vinyl Acetate

Concen: 288.053 ug/l

RT: 3.81 min Scan# 435

Delta R.T. -0.00 min

Lab File: VX011289.D

Acq: 02 Aug 2019 03:31

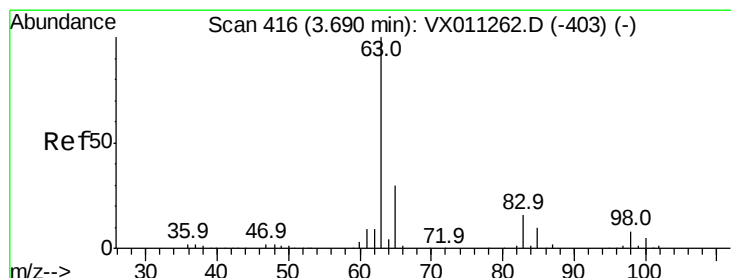
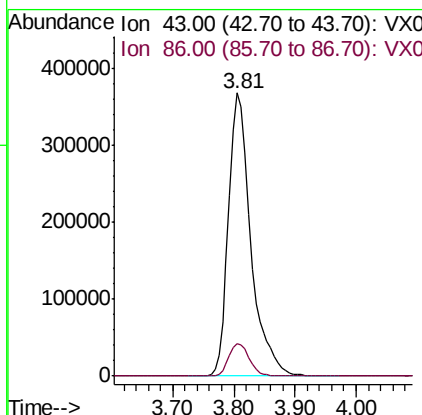
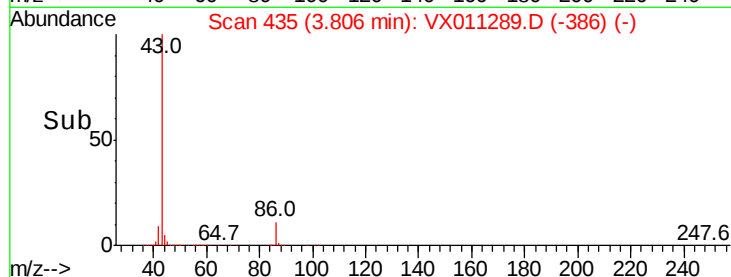
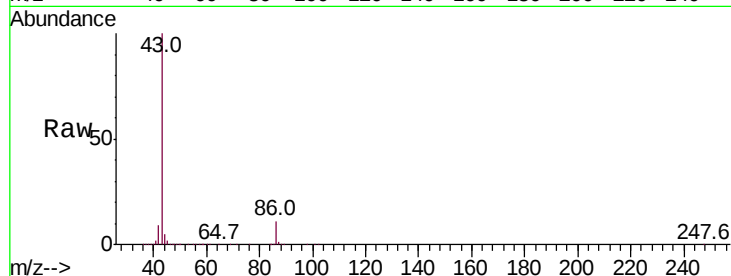
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 931457

Ion	Ratio	Lower	Upper
43	100		
86	11.5	9.6	14.4

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#24

1,1-Dichloroethane

Concen: 53.766 ug/l

RT: 3.69 min Scan# 416

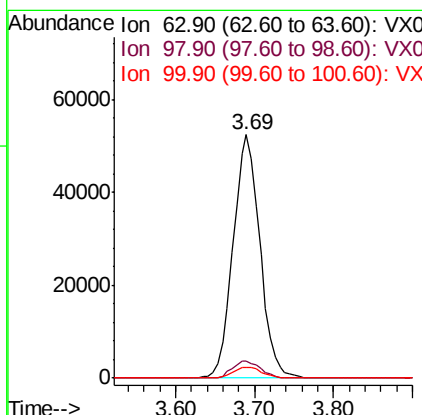
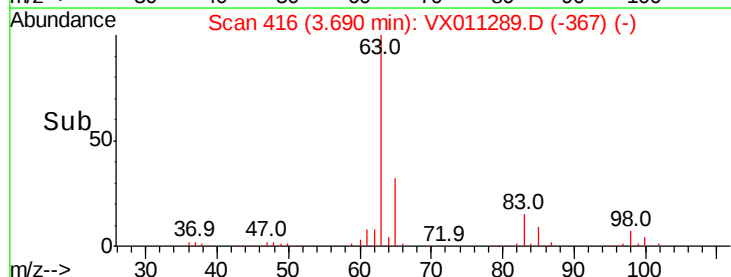
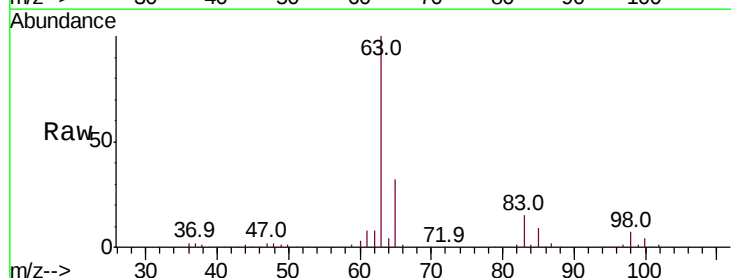
Delta R.T. -0.00 min

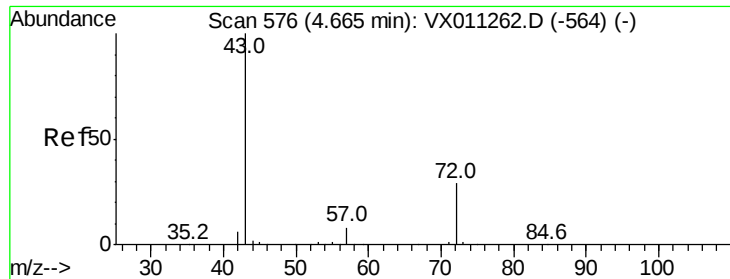
Lab File: VX011289.D

Acq: 02 Aug 2019 03:31

Tgt Ion: 63 Resp: 123605

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.9	11.5
100	4.3	2.7	8.1





#25

2-Butanone

Concen: 270.797 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.00 min

Lab File: VX011289.D

Acq: 02 Aug 2019 03:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 270040

Ion Ratio Lower Upper

43 100

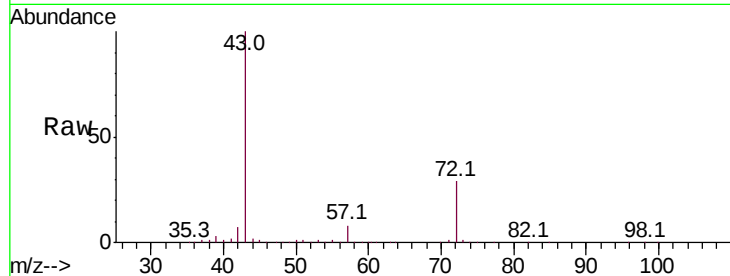
72 28.7 23.2 34.8

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.67

100000

80000

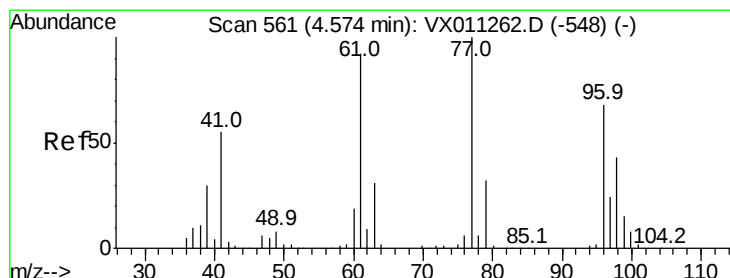
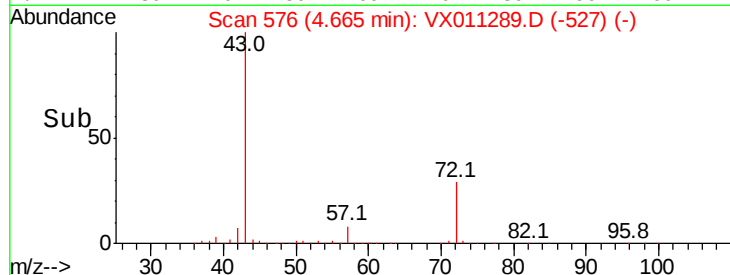
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 37.177 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.01 min

Lab File: VX011289.D

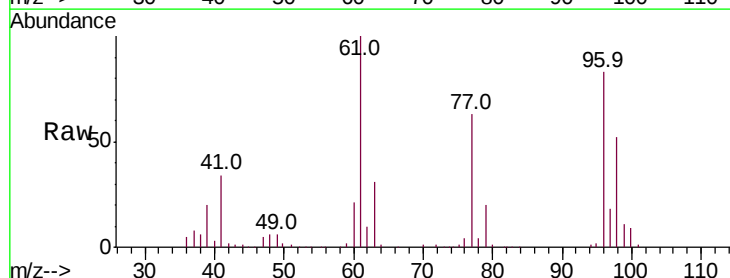
Acq: 02 Aug 2019 03:31

Tgt Ion: 77 Resp: 66438

Ion Ratio Lower Upper

77 100

97 27.2 12.8 38.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

25000

20000

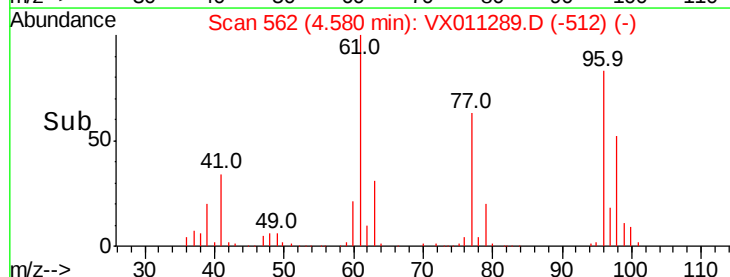
15000

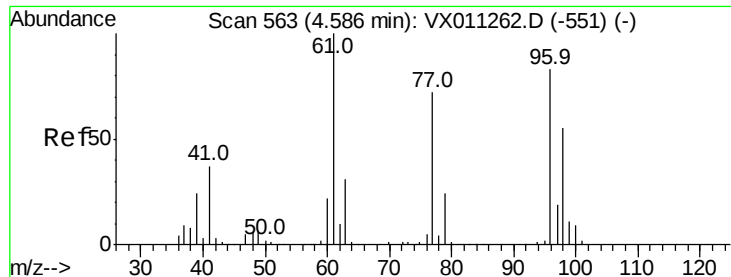
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5000

0

Time-->





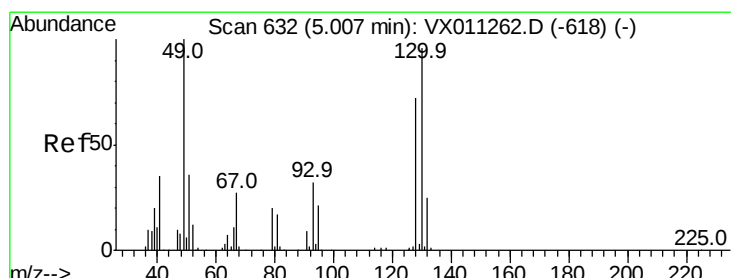
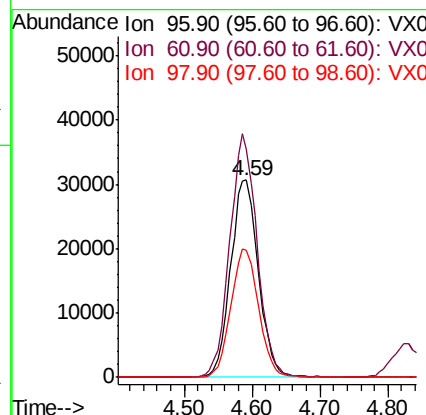
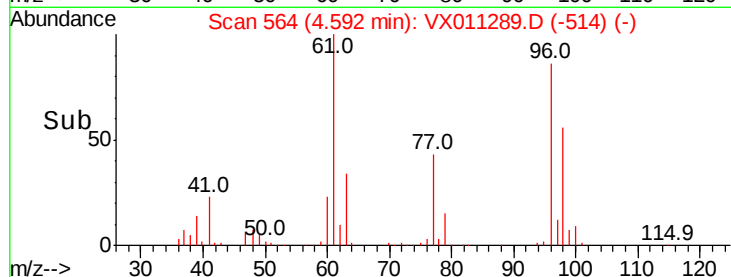
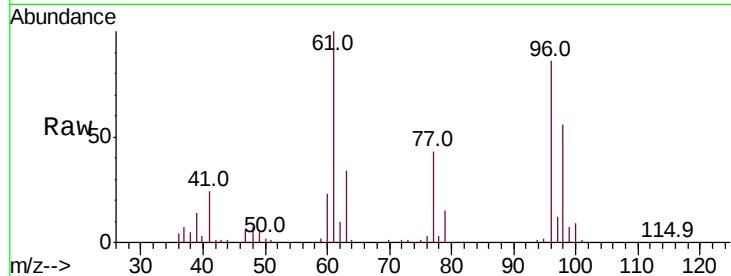
#27
 cis-1,2-Dichloroethene
 Concen: 53.451 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. 0.01 min
 Lab File: VX011289.D
 Acq: 02 Aug 2019 03:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	86659		
61	121.7	0.0	260.2	
98	65.0	0.0	133.2	

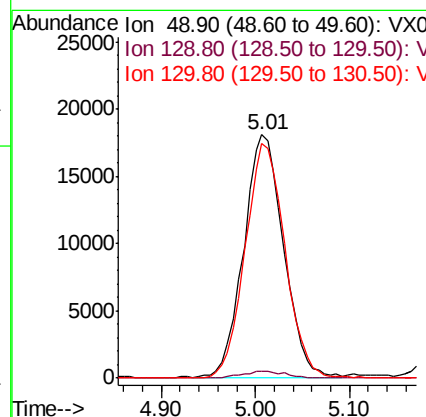
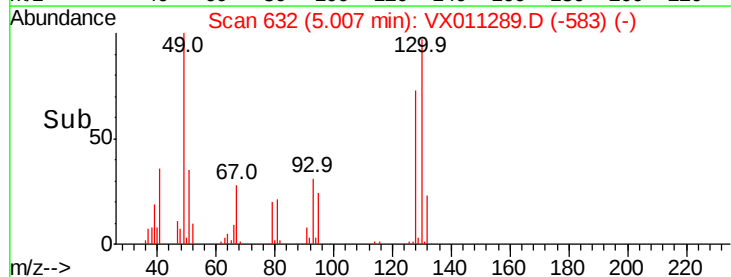
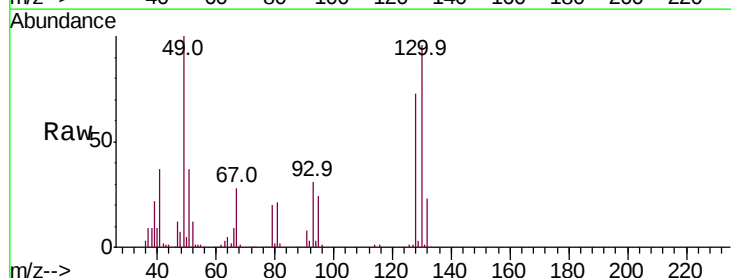
Manual Integrations
 APPROVED

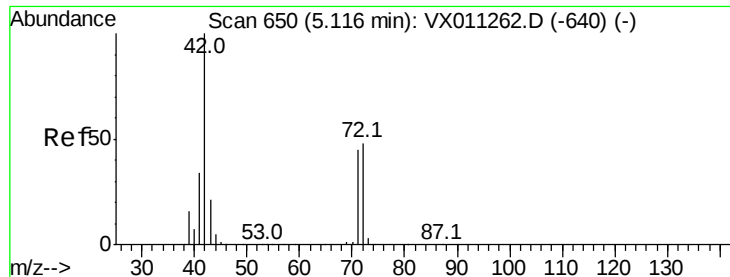
MMDadoda
 8/2/2019 9:04:58 AM



#28
 Bromochloromethane
 Concen: 51.508 ug/l
 RT: 5.01 min Scan# 632
 Delta R.T. -0.00 min
 Lab File: VX011289.D
 Acq: 02 Aug 2019 03:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	53983		
129	2.9	0.0	5.8	
130	95.7	77.9	116.9	





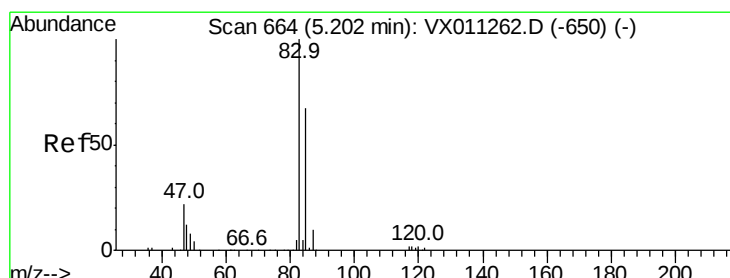
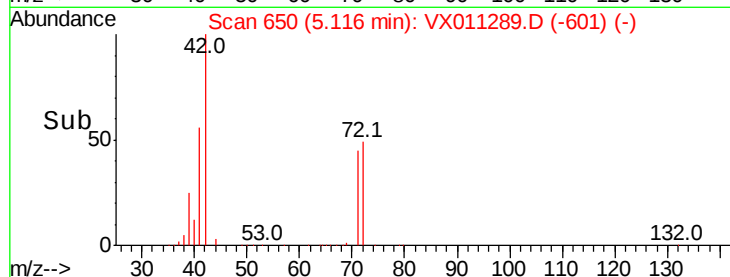
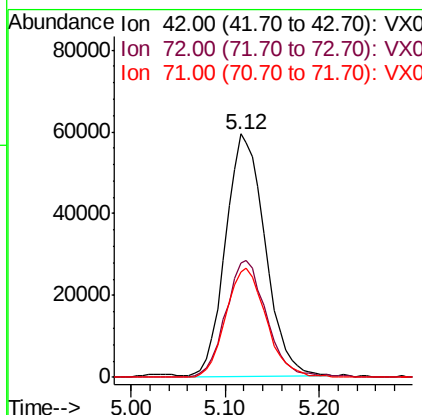
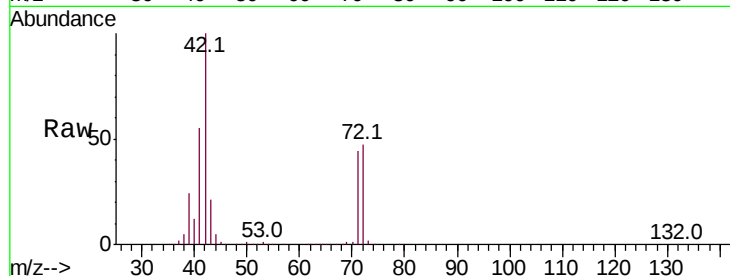
#29
Tetrahydrofuran
Concen: 282.941 ug/l
RT: 5.12 min Scan# 650
Delta R.T. -0.00 min
Lab File: VX011289.D
Acq: 02 Aug 2019 03:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.8	39.9	59.9
71	46.2	36.9	55.3

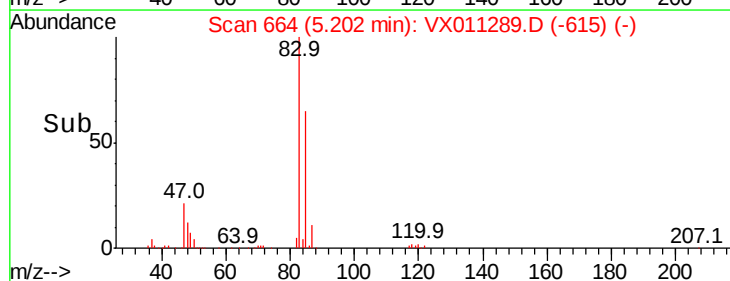
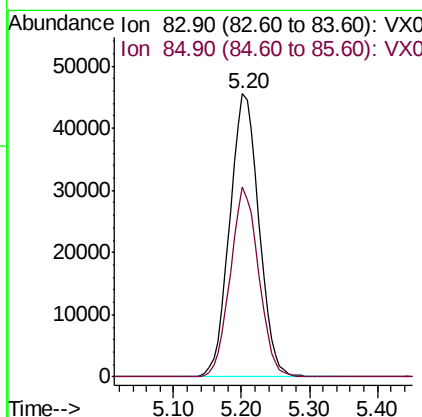
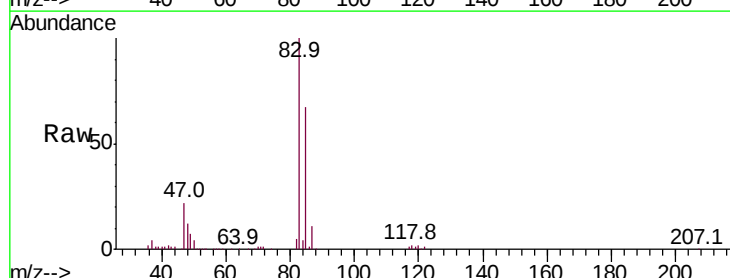
Manual Integrations
APPROVED

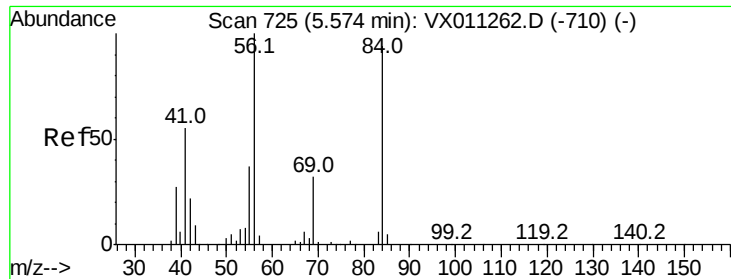
MMDadoda
8/2/2019 9:04:58 AM



#30
Chloroform
Concen: 54.262 ug/l
RT: 5.20 min Scan# 664
Delta R.T. -0.00 min
Lab File: VX011289.D
Acq: 02 Aug 2019 03:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.1	53.4	80.0





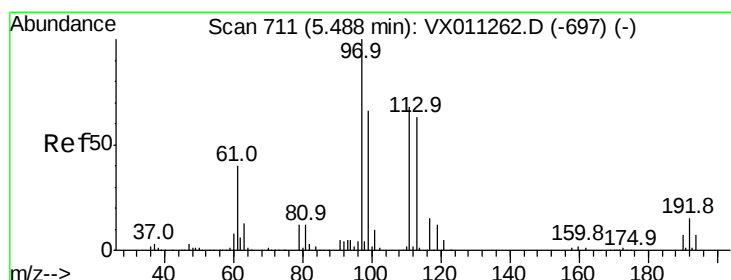
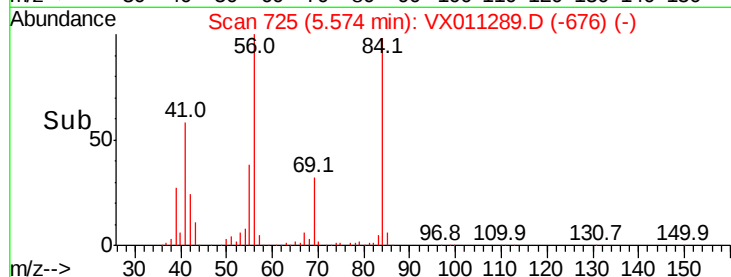
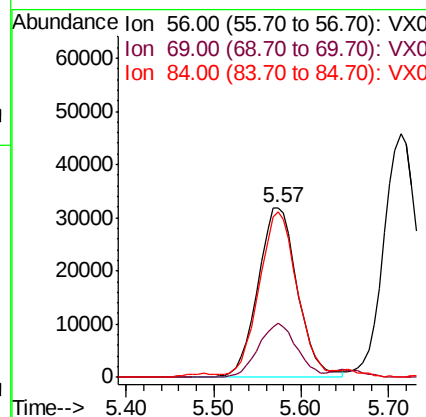
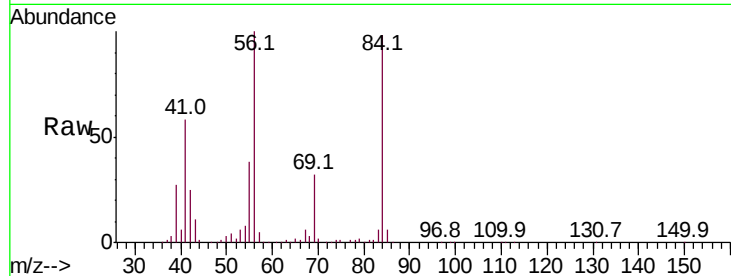
#31
Cvclohexane
Concen: 52.989 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX011289.D
Acq: 02 Aug 2019 03:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.3	25.5	38.3
84	95.9	75.0	112.4

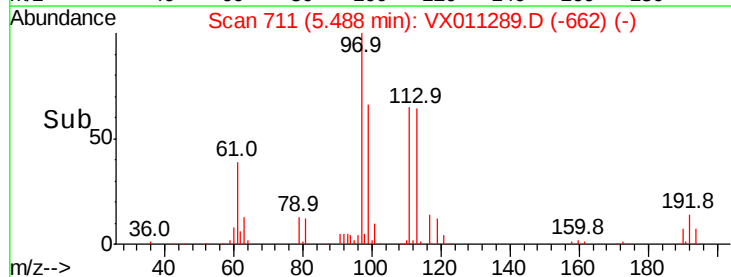
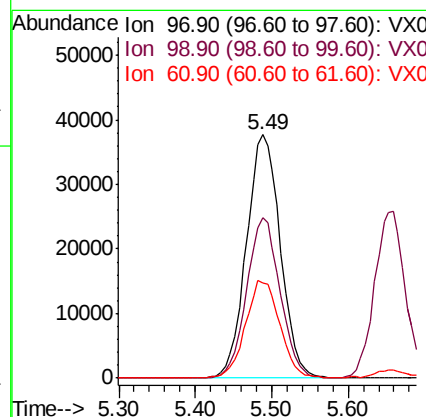
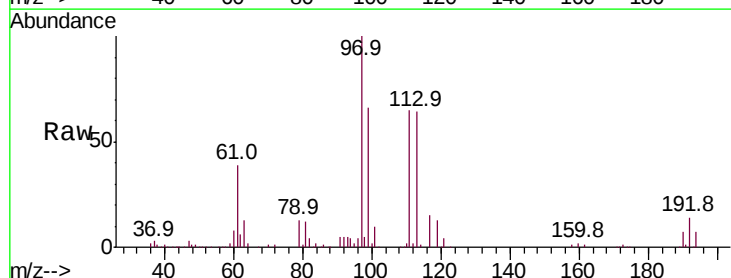
Manual Integrations
APPROVED

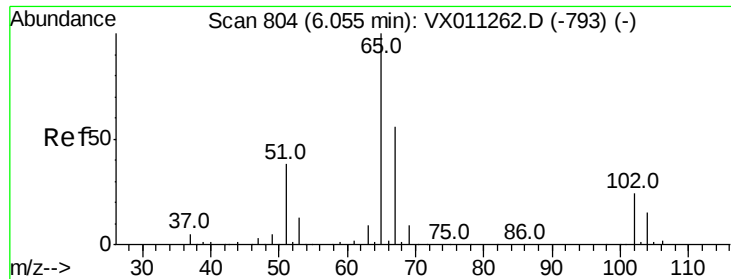
MMDadoda
8/2/2019 9:04:58 AM



#32
1,1,1-Trichloroethane
Concen: 54.167 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.00 min
Lab File: VX011289.D
Acq: 02 Aug 2019 03:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.6	77.4
61	40.8	32.3	48.5





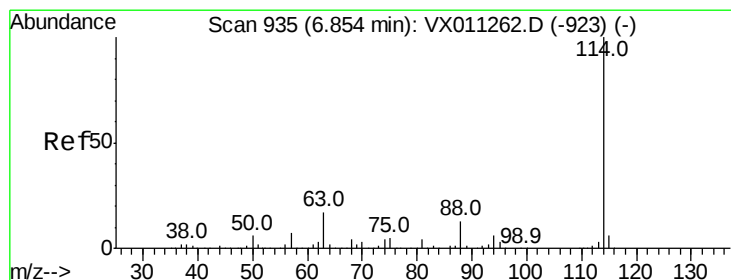
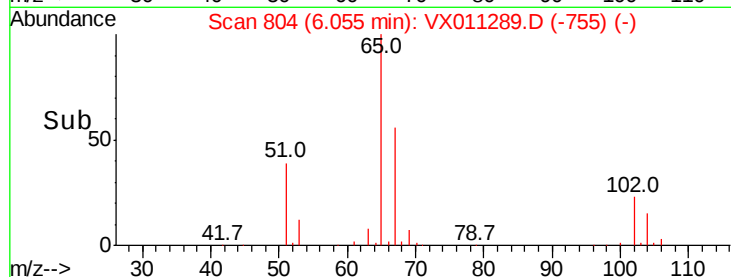
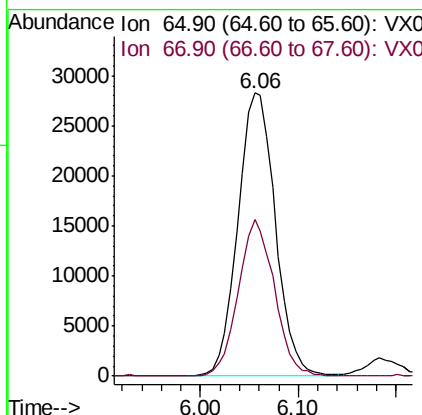
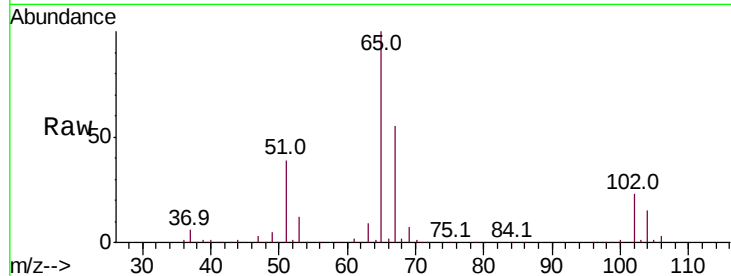
#33
 1,2-Dichloroethane-d4
 Concen: 51.118 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX011289.D
 Acq: 02 Aug 2019 03:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 65 Resp: 75287
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 110.6

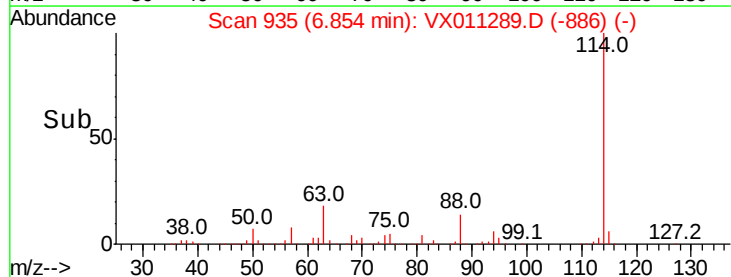
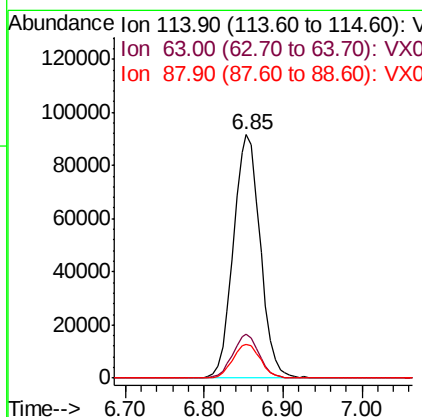
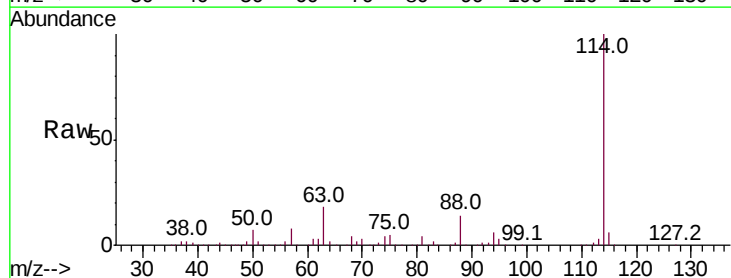
Manual Integrations
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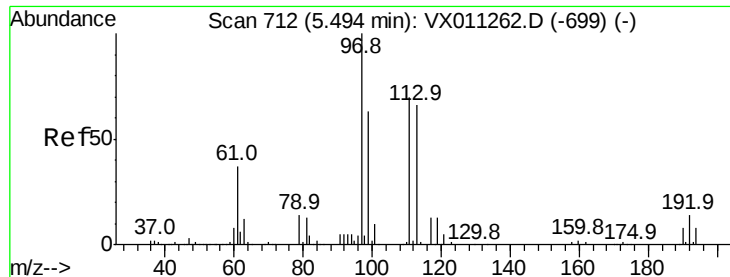
MMDadoda
 8/2/2019 9:04:58 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.00 min
 Lab File: VX011289.D
 Acq: 02 Aug 2019 03:31

Tgt Ion:114 Resp: 217175
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 34.0
 88 13.9 0.0 26.4





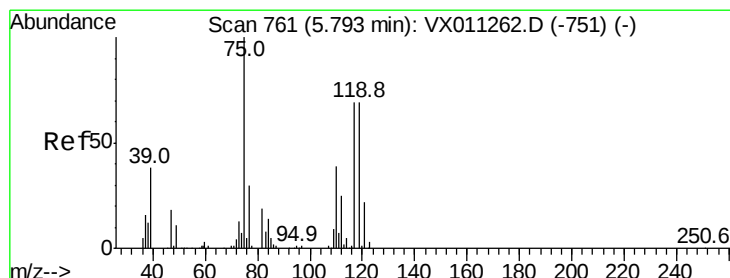
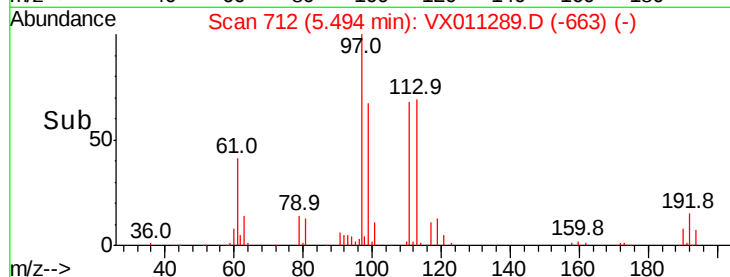
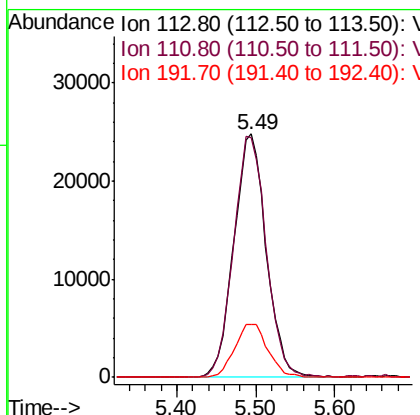
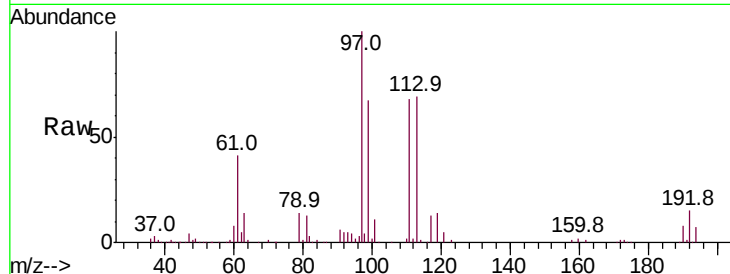
#35
 Dibromofluoromethane
 Concen: 49.833 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.00 min
 Lab File: VX011289.D
 Acq: 02 Aug 2019 03:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.3	81.9	122.9
192	22.4	17.8	26.8

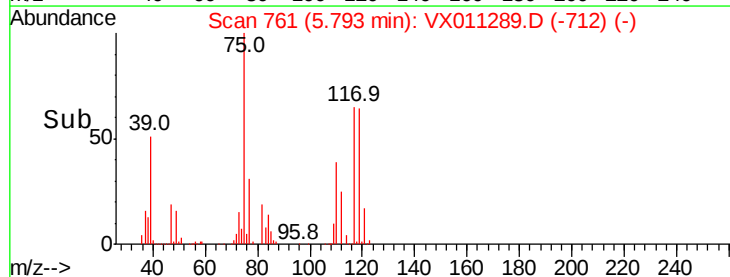
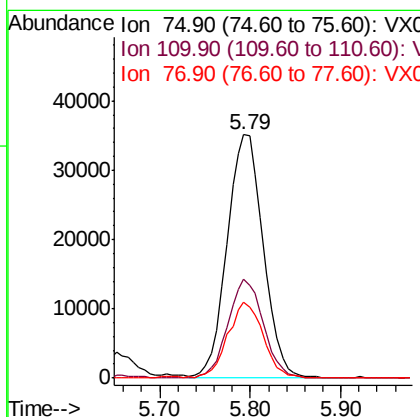
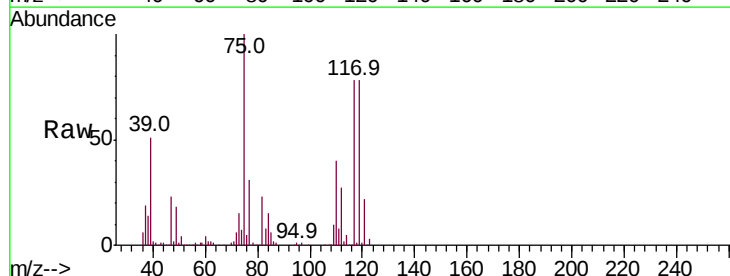
Manual Integrations
 APPROVED

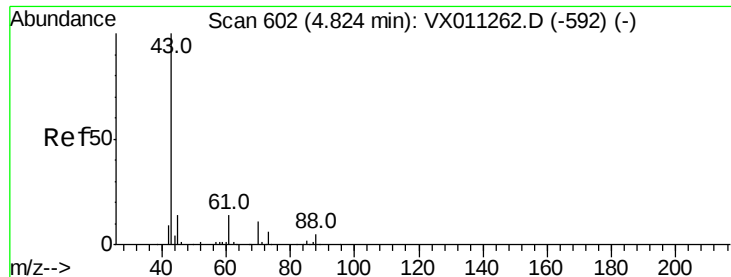
MMDadoda
 8/2/2019 9:04:58 AM



#36
 1,1-Dichloropropene
 Concen: 50.937 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: VX011289.D
 Acq: 02 Aug 2019 03:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	40.0	20.0	59.9
77	30.2	24.8	37.2





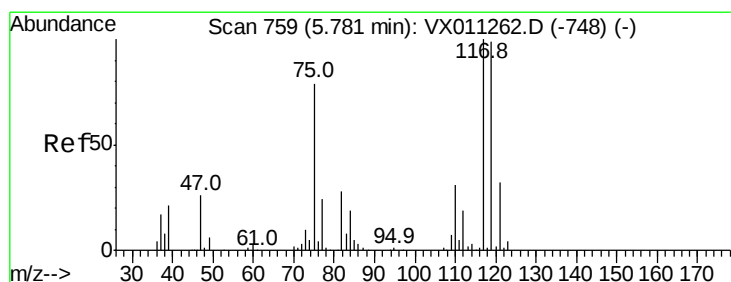
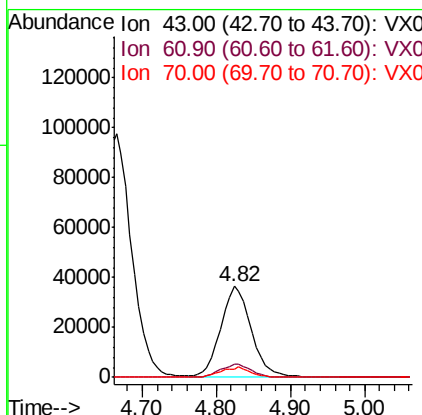
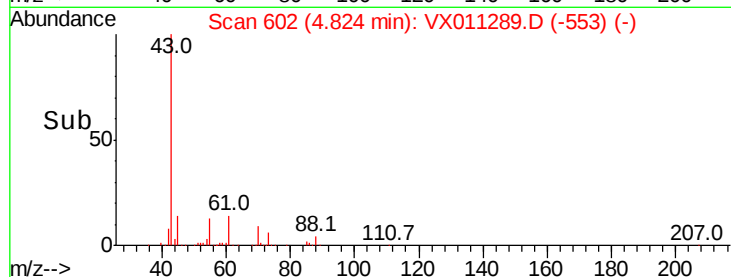
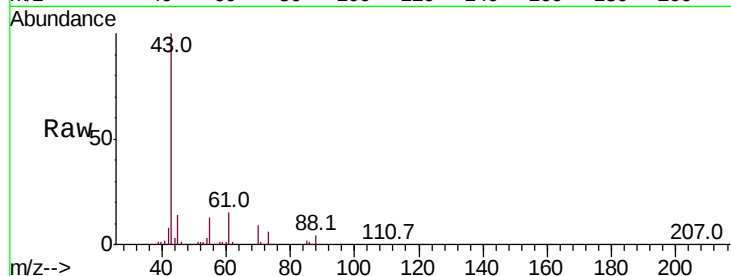
#37
Ethyl Acetate
Concen: 54.478 ug/l
RT: 4.82 min Scan# 602
Delta R.T. -0.00 min
Lab File: VX011289.D
Acq: 02 Aug 2019 03:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	12.6	18.8
70	11.0	9.1	13.7

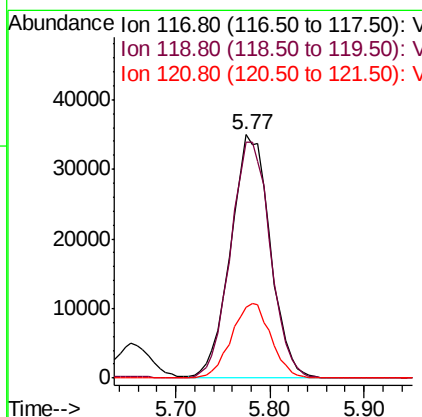
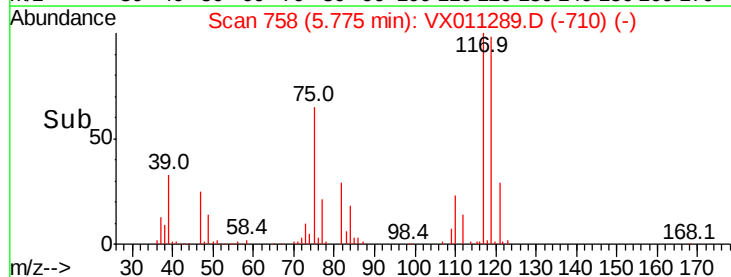
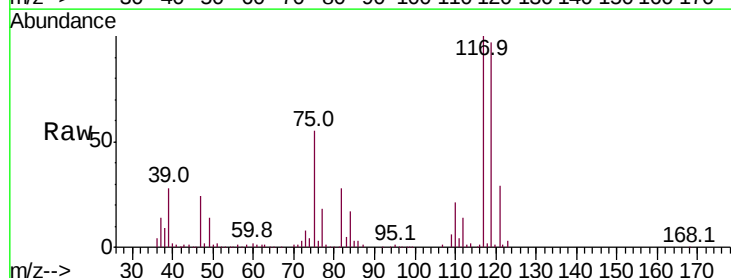
Manual Integrations
APPROVED

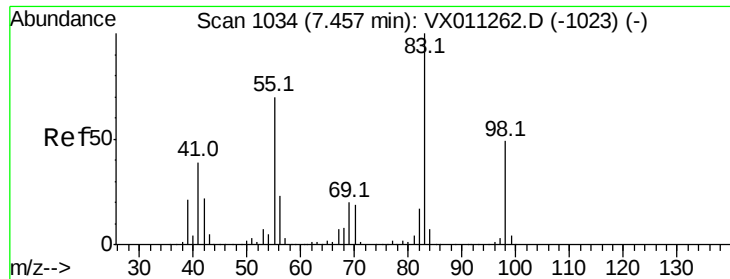
MMDadoda
8/2/2019 9:04:58 AM



#38
Carbon Tetrachloride
Concen: 53.727 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX011289.D
Acq: 02 Aug 2019 03:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	79.0	118.4
121	28.9	25.9	38.9





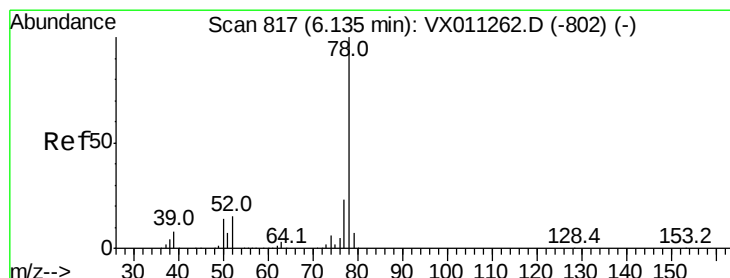
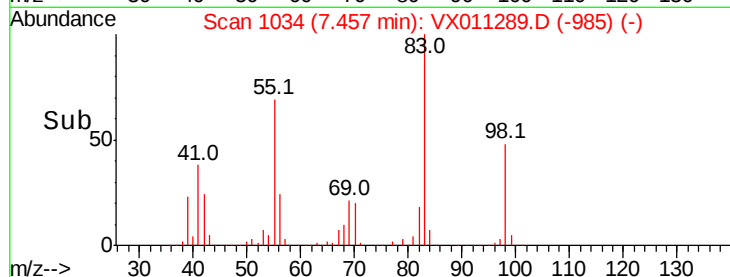
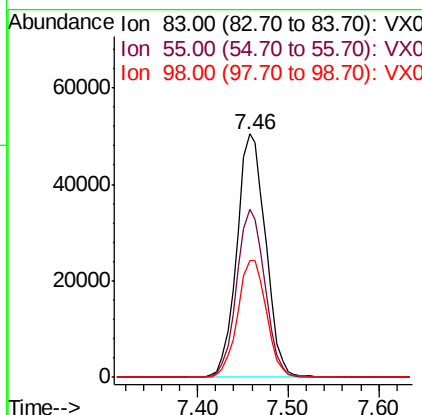
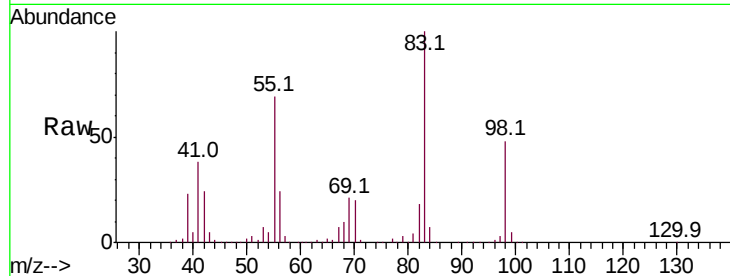
#39
Methylvlcyclohexane
Concen: 49.522 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX011289.D
Acq: 02 Aug 2019 03:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.8	56.1	84.1
98	47.8	39.0	58.4

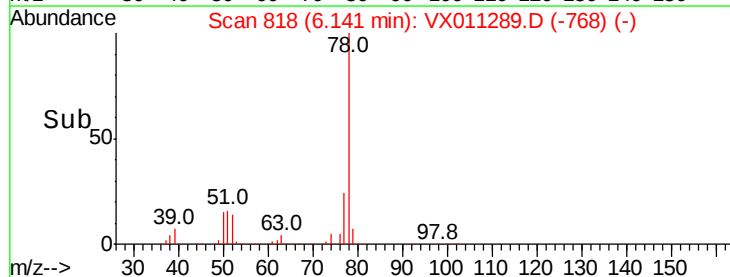
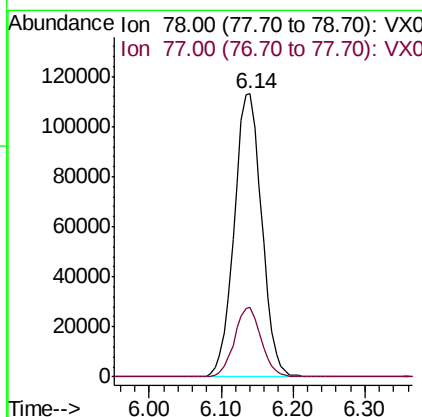
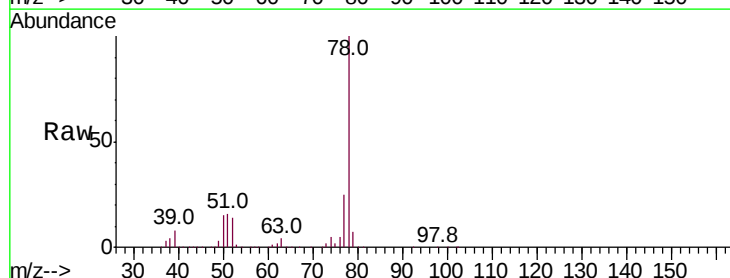
Manual Integrations
APPROVED

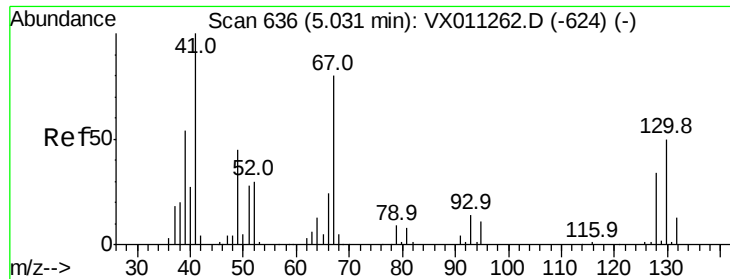
MMDadoda
8/2/2019 9:04:58 AM



#40
Benzene
Concen: 53.125 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.01 min
Lab File: VX011289.D
Acq: 02 Aug 2019 03:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	18.2	27.2





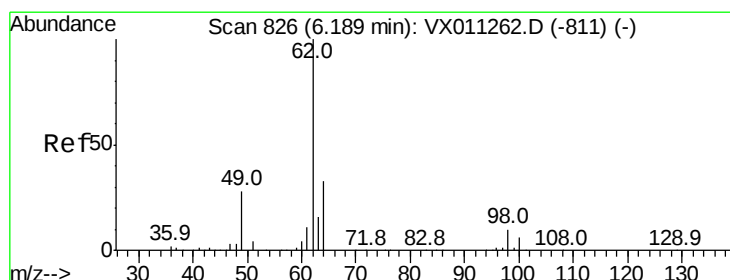
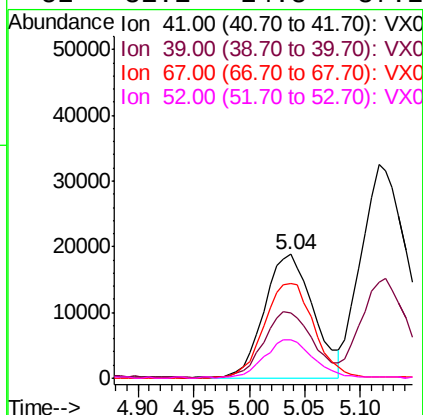
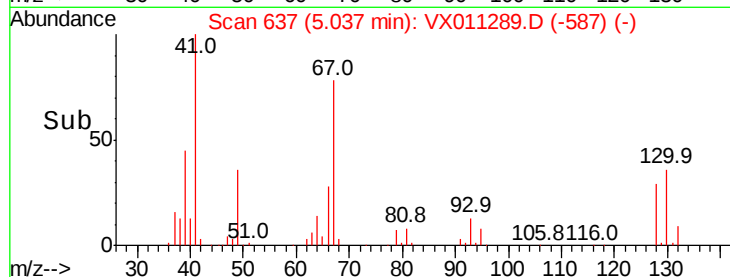
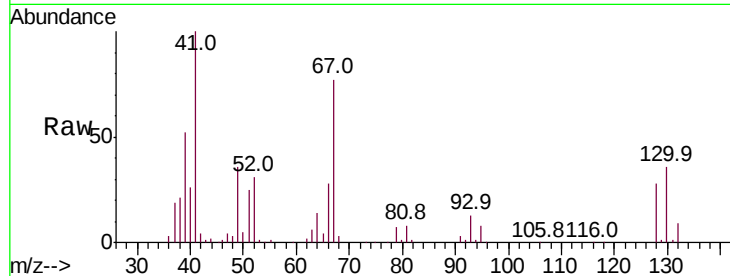
#41
Methacrylonitrile
Concen: 55.487 ug/l
RT: 5.04 min Scan# 637
Delta R.T. 0.01 min
Lab File: VX011289.D
Acq: 02 Aug 2019 03:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.9	43.0	64.6
67	78.6	65.1	97.7
52	31.1	24.8	37.2

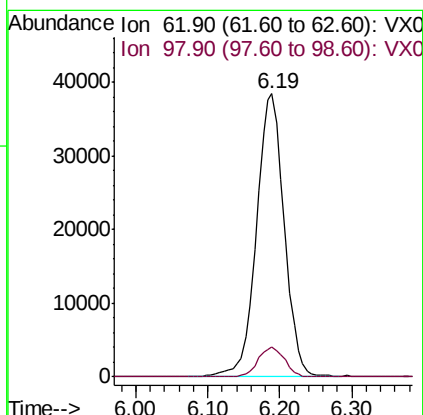
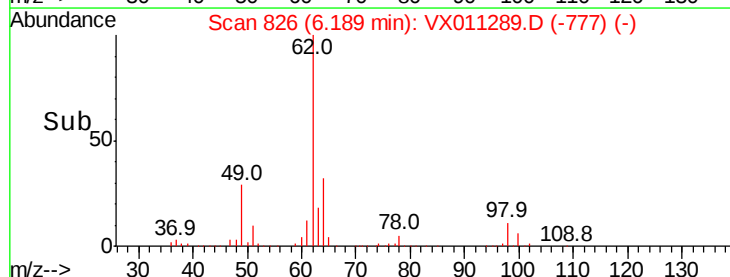
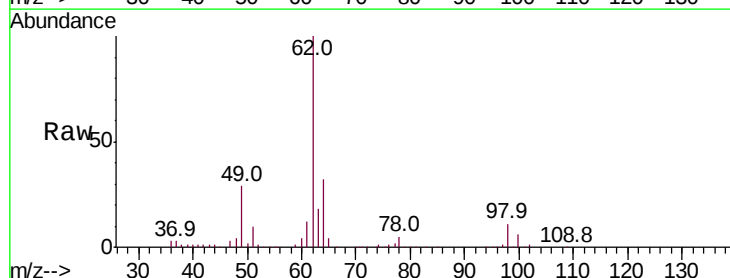
Manual Integrations
APPROVED

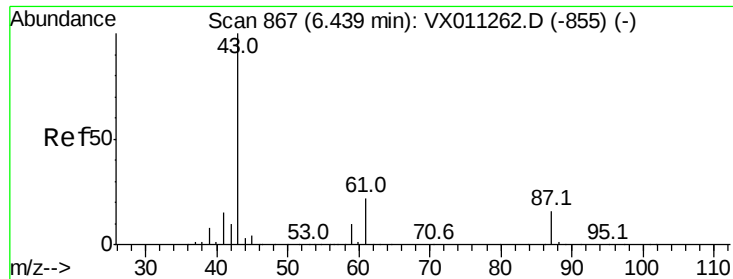
MMDadoda
8/2/2019 9:04:58 AM



#42
1,2-Dichloroethane
Concen: 53.748 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX011289.D
Acq: 02 Aug 2019 03:31

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.6





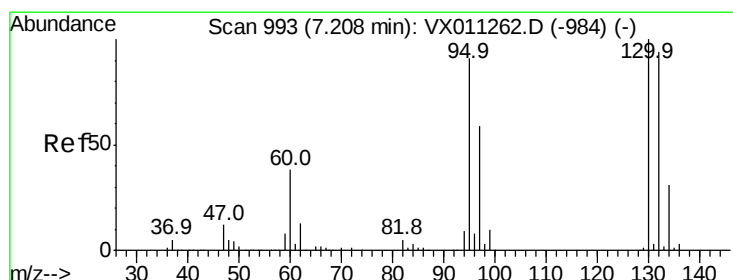
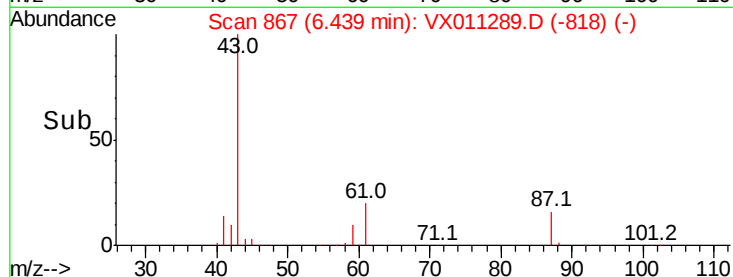
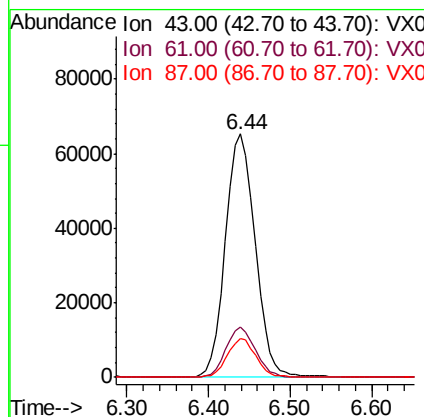
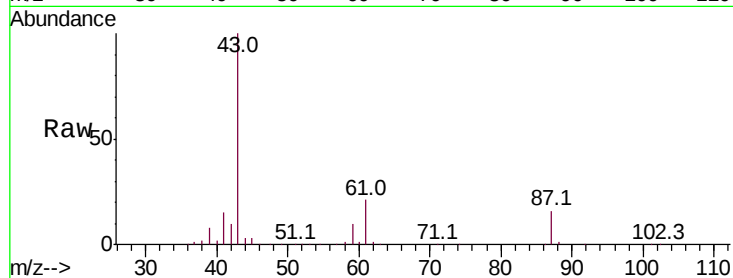
#43
Isopropyl Acetate
Concen: 54.078 ug/l
RT: 6.44 min Scan# 867
Delta R.T. -0.00 min
Lab File: VX011289.D
Acq: 02 Aug 2019 03:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.5	24.7
87	15.5	12.1	18.1

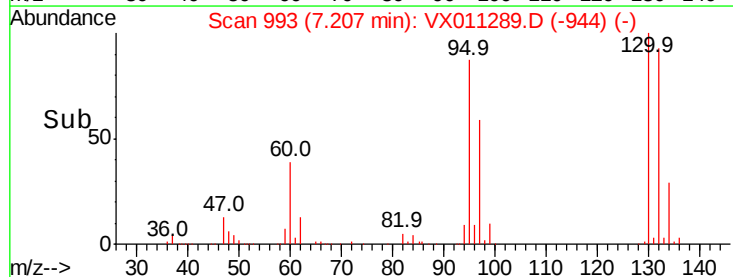
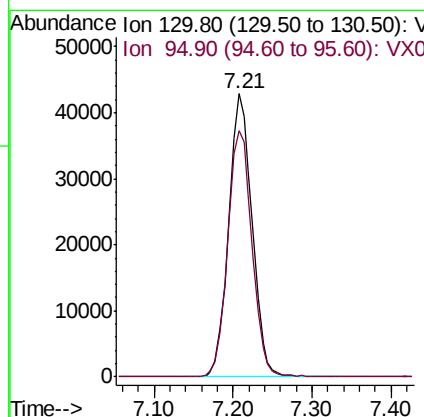
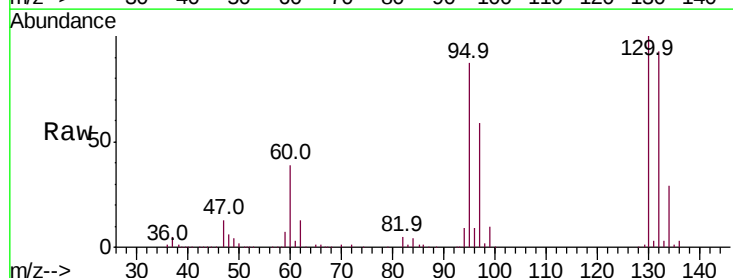
Manual Integrations
APPROVED

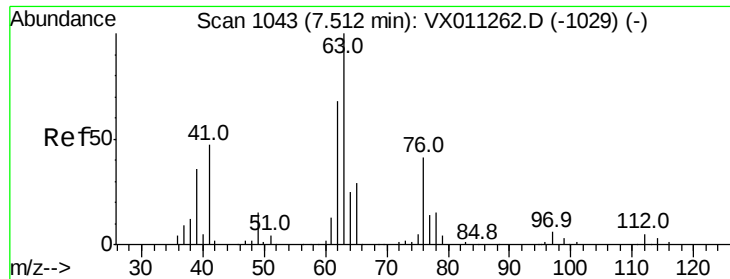
MMDadoda
8/2/2019 9:04:58 AM



#44
Trichloroethene
Concen: 51.668 ug/l
RT: 7.21 min Scan# 993
Delta R.T. -0.00 min
Lab File: VX011289.D
Acq: 02 Aug 2019 03:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	86.8	0.0	182.6





#45

1,2-Dichloropropane

Concen: 51.630 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX011289.D

Acq: 02 Aug 2019 03:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 75658

Ion Ratio Lower Upper

63 100

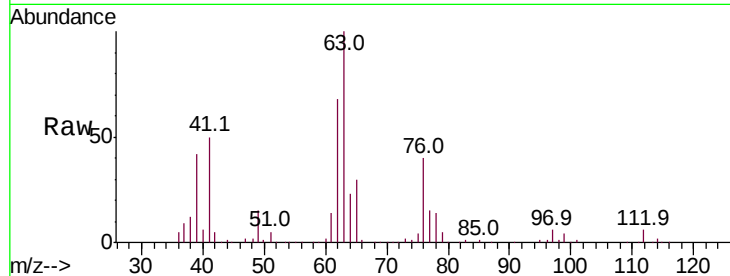
65 30.2 23.3 34.9

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

40000

30000

20000

10000

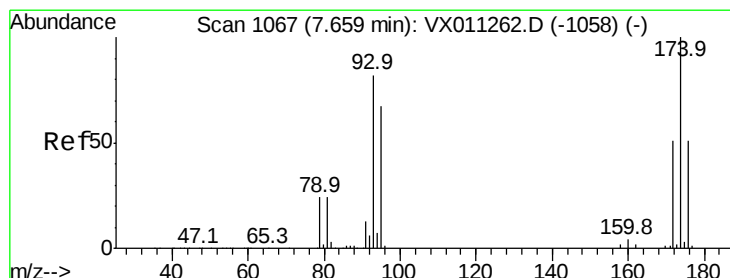
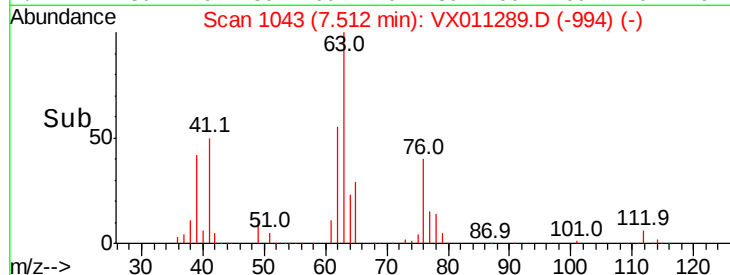
0

Time-->

7.40

7.50

7.60



#46

Dibromomethane

Concen: 52.620 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX011289.D

Acq: 02 Aug 2019 03:31

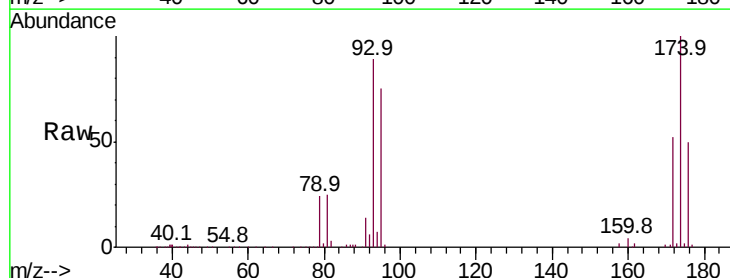
Tgt Ion: 93 Resp: 56290

Ion Ratio Lower Upper

93 100

95 83.2 66.4 99.6

174 112.5 93.4 140.2



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

40000

30000

20000

10000

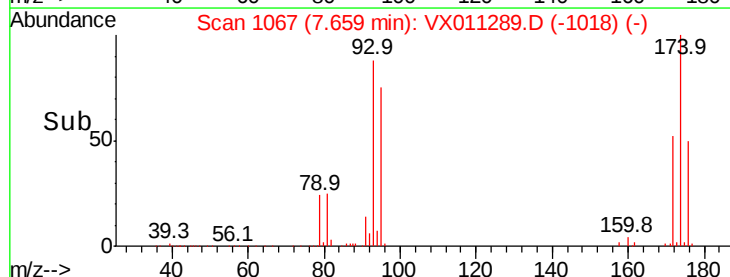
0

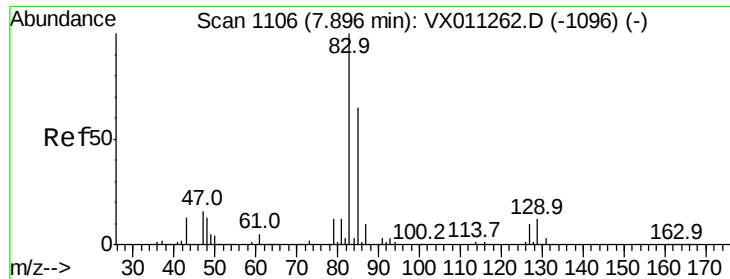
Time-->

7.60

7.70

7.80





#47

Bromodichloromethane

Concen: 55.628 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX011289.D

Acq: 02 Aug 2019 03:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 100752

Ion Ratio Lower Upper

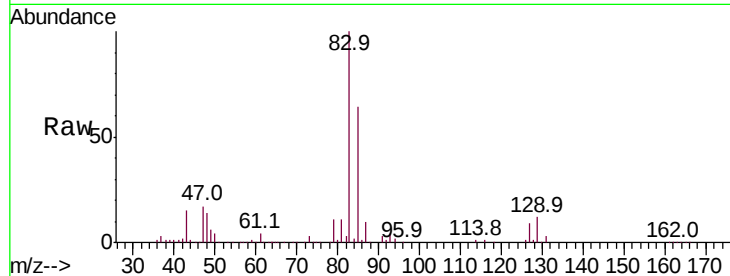
83 100

85 64.2 52.2 78.2

127 9.4 7.8 11.8

Manual Integrations
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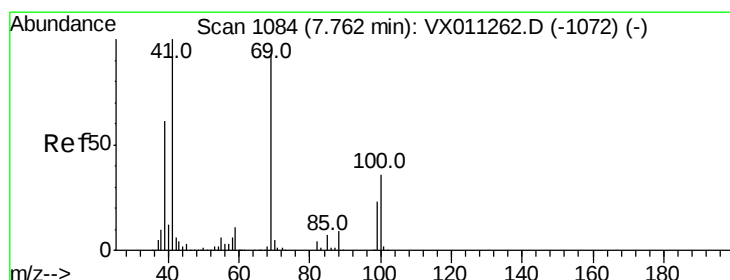
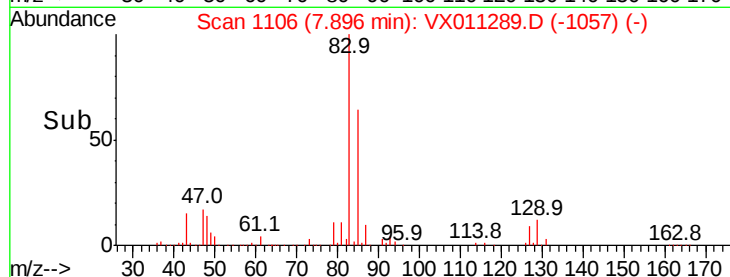
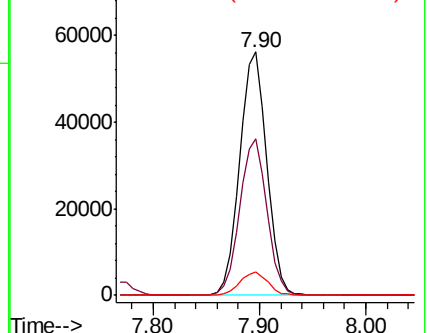
MMDadoda
8/2/2019 9:04:58 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 56.838 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VX011289.D

Acq: 02 Aug 2019 03:31

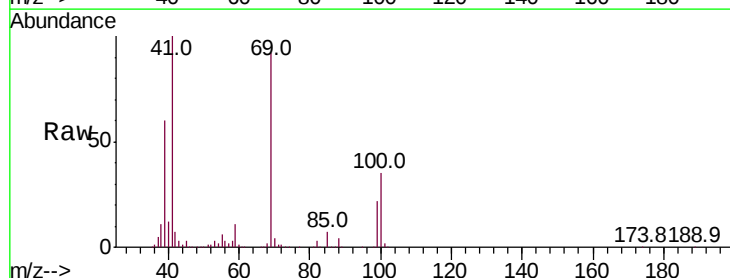
Tgt Ion: 41 Resp: 81338

Ion Ratio Lower Upper

41 100

69 90.9 74.5 111.7

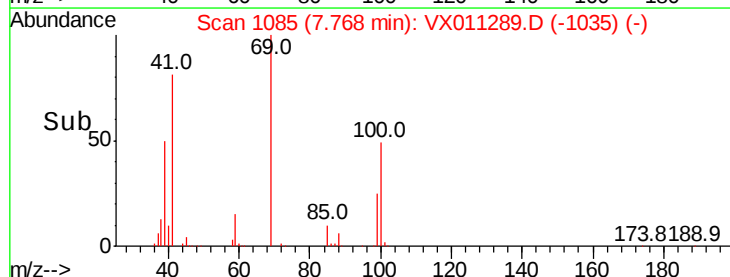
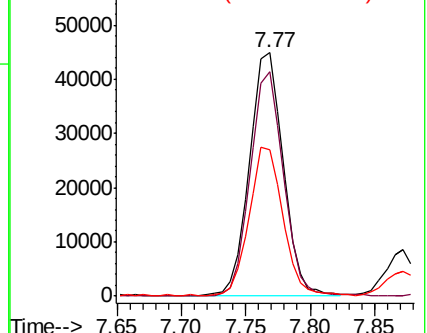
39 60.7 48.6 72.8

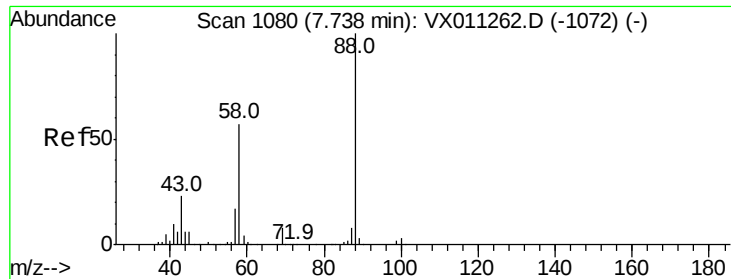


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





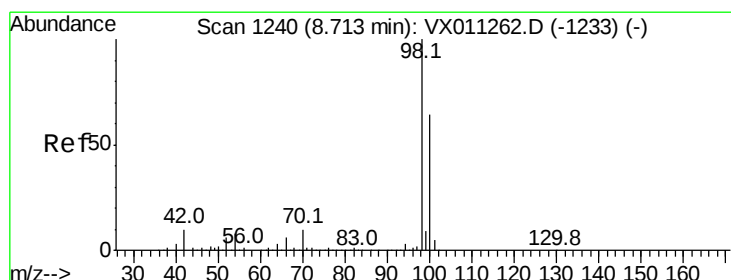
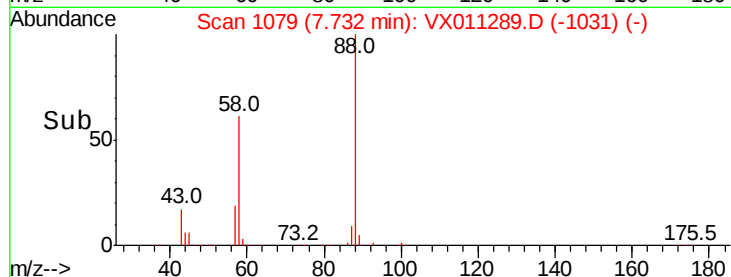
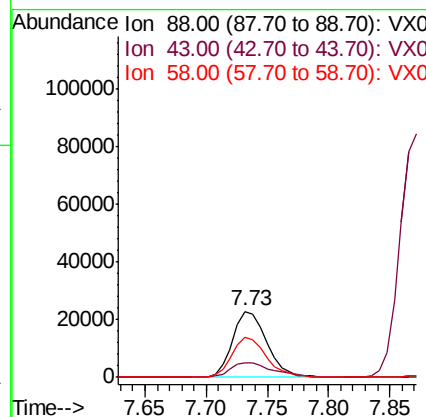
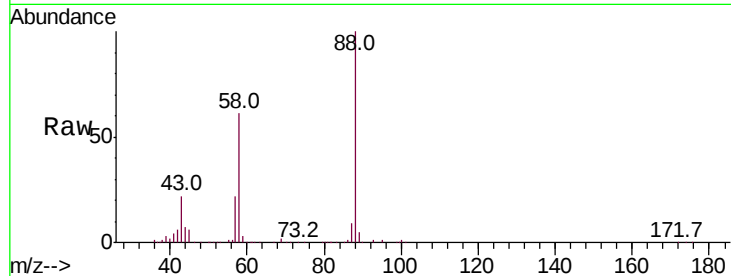
#49
1,4-Dioxane
Concen: 1072.979 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX011289.D
Acq: 02 Aug 2019 03:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.0	22.2	33.2
58	62.3	47.8	71.8

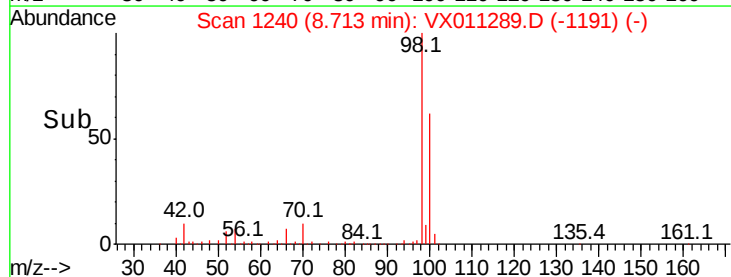
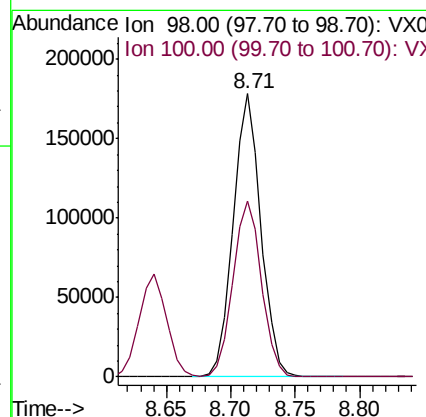
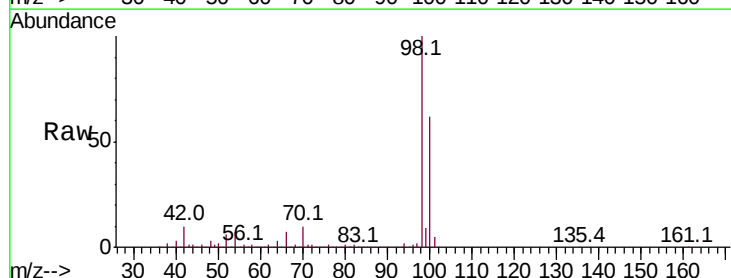
Manual Integrations
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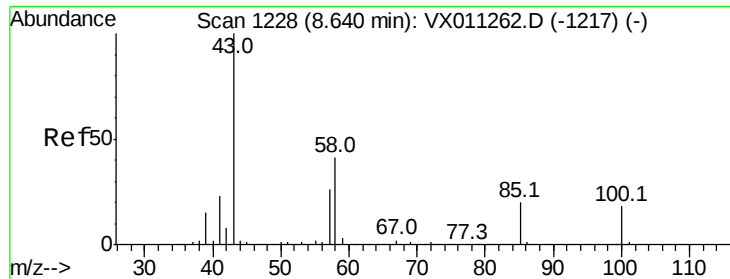
MMDadoda
8/2/2019 9:04:58 AM



#50
Toluene-d8
Concen: 50.216 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011289.D
Acq: 02 Aug 2019 03:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.7	77.5





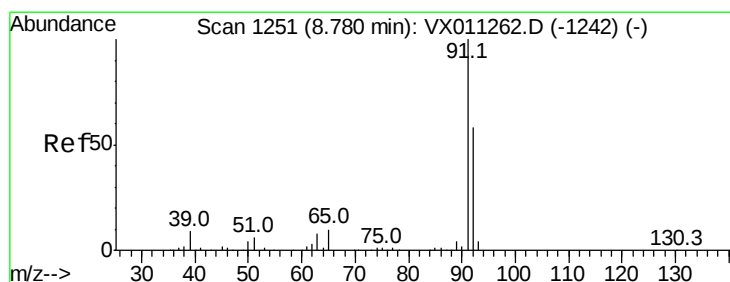
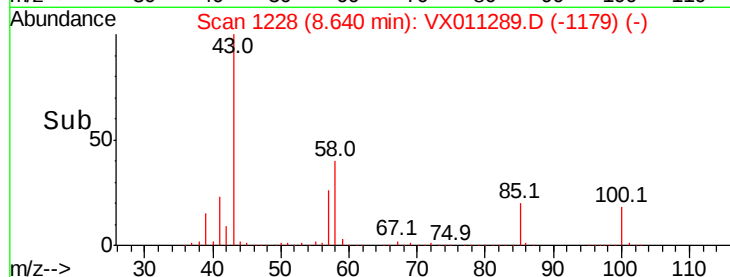
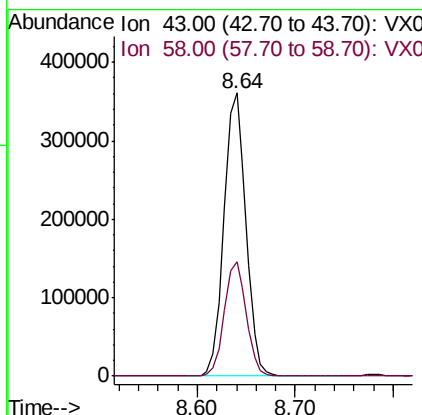
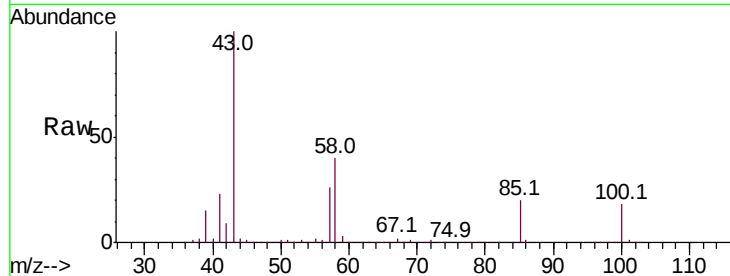
#51
4-Methyl-2-Pentanone
Concen: 285.698 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX011289.D
Acq: 02 Aug 2019 03:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.4	32.3	48.5

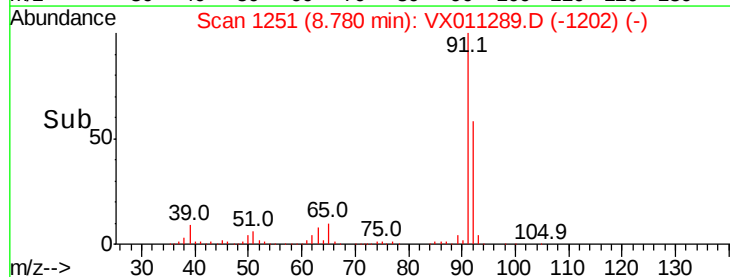
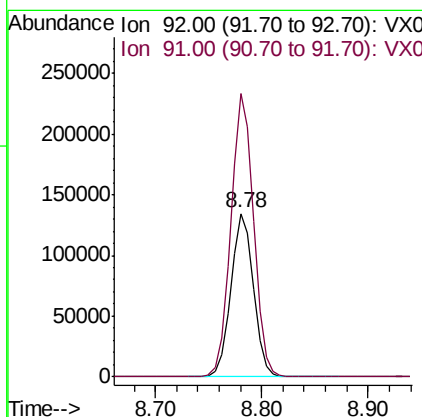
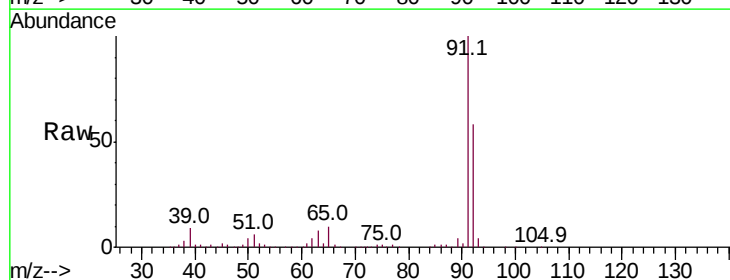
Manual Integrations
APPROVED

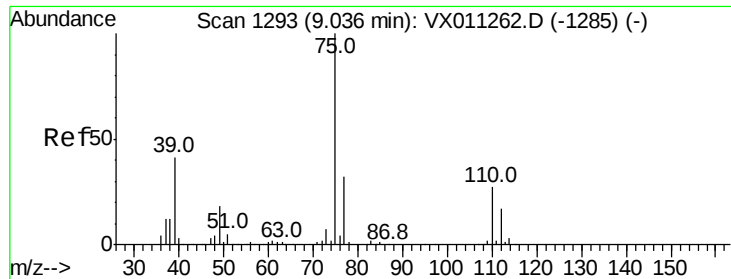
MMDadoda
8/2/2019 9:04:58 AM



#52
Toluene
Concen: 53.369 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VX011289.D
Acq: 02 Aug 2019 03:31

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.9	139.4	209.0





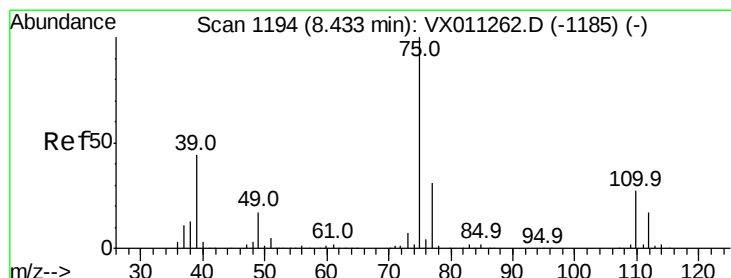
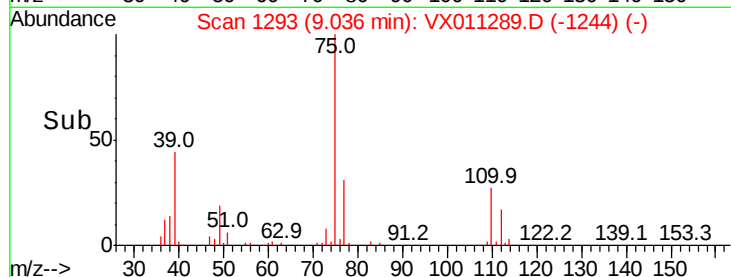
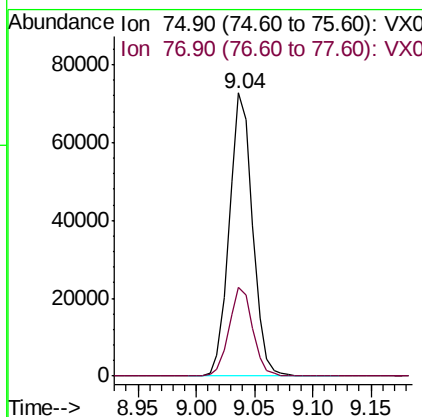
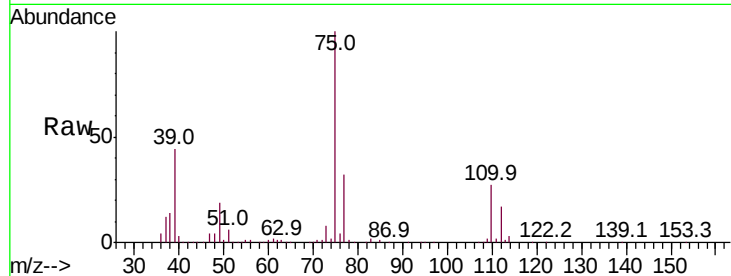
#53
t-1,3-Dichloropropene
Concen: 48.208 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011289.D
Acq: 02 Aug 2019 03:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.4	38.0

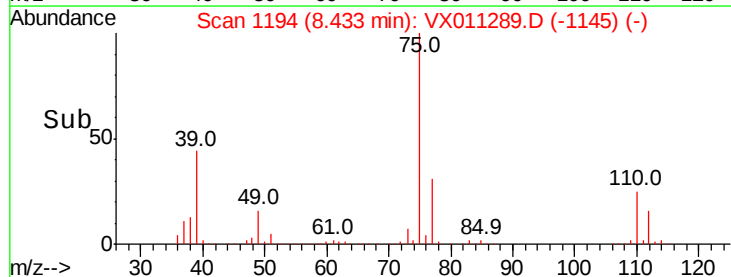
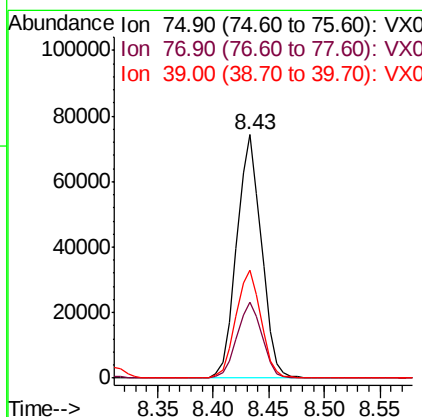
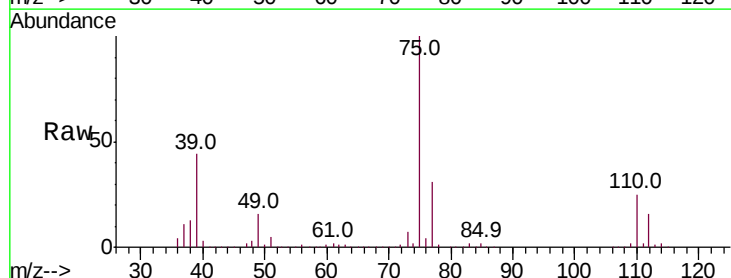
Manual Integrations
APPROVED

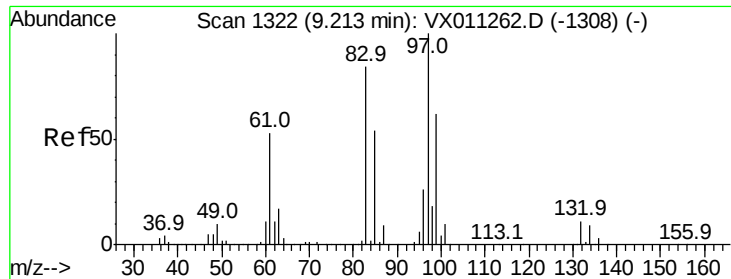
MMDadoda
8/2/2019 9:04:58 AM



#54
cis-1,3-Dichloropropene
Concen: 53.993 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX011289.D
Acq: 02 Aug 2019 03:31

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.6
39	44.2	35.3	52.9





#55

1,1,2-Trichloroethane

Concen: 54.305 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX011289.D

Acq: 02 Aug 2019 03:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 83530

Ion Ratio Lower Upper

97 100

83 83.5 67.6 101.4

85 54.7 43.4 65.0

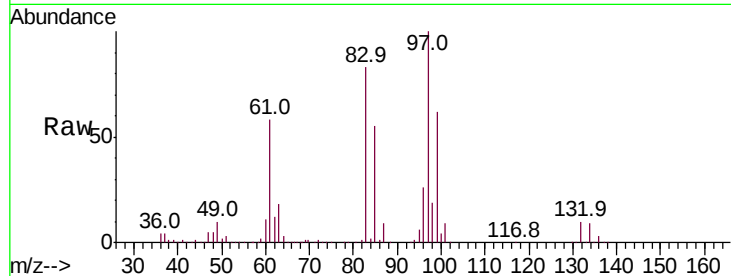
99 62.0 49.6 74.4

Manual Integrations

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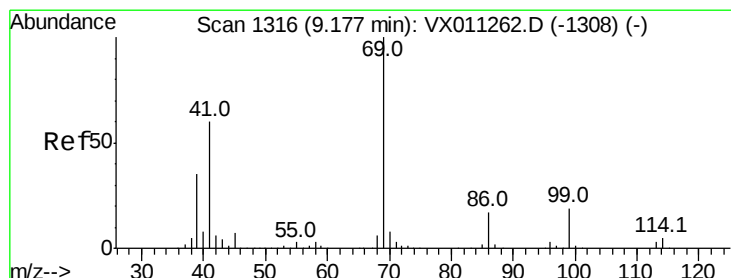
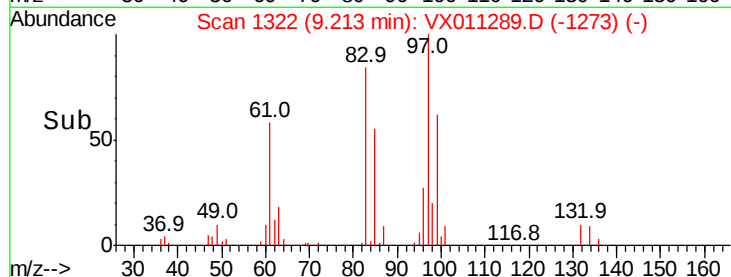
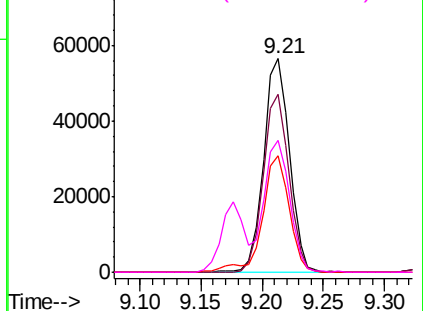
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 57.042 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX011289.D

Acq: 02 Aug 2019 03:31

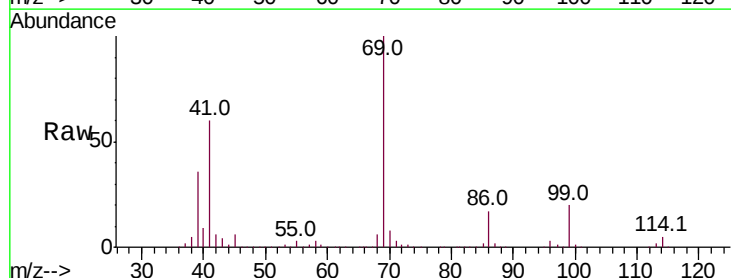
Tgt Ion: 69 Resp: 125034

Ion Ratio Lower Upper

69 100

41 60.5 48.6 73.0

39 36.8 29.4 44.2

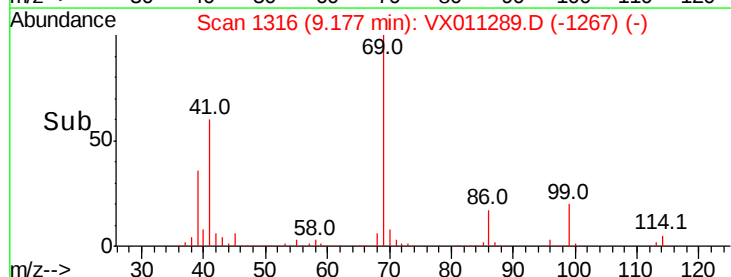
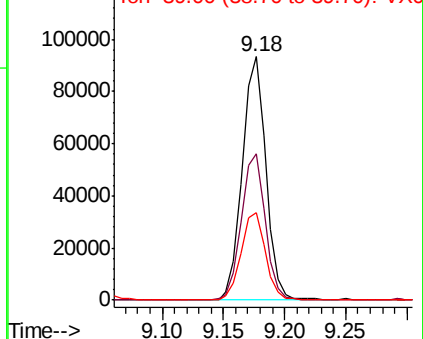


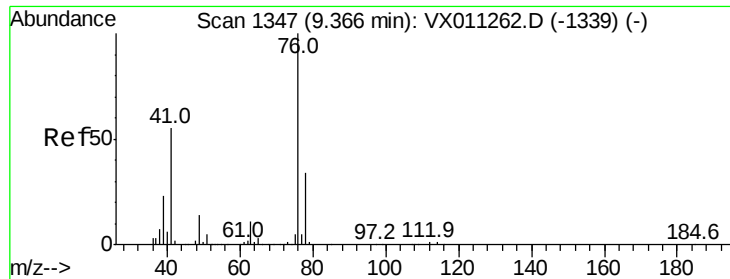
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 53.305 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VX011289.D

Acq: 02 Aug 2019 03:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 129669

Ion Ratio Lower Upper

76 100

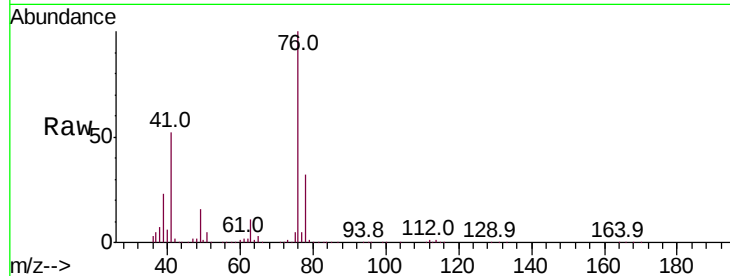
78 32.6 26.6 40.0

Manual Integrations

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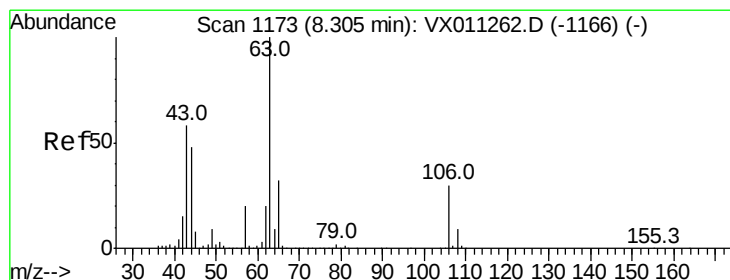
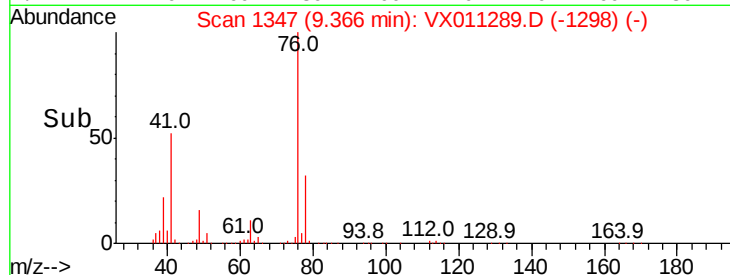
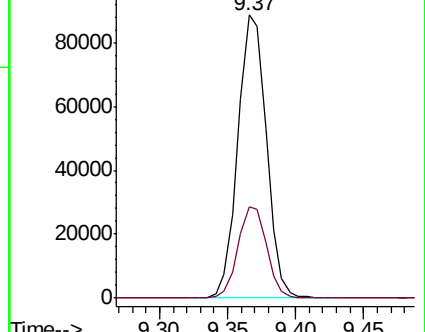
MMDadoda

8/2/2019 9:04:58 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 257.672 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VX011289.D

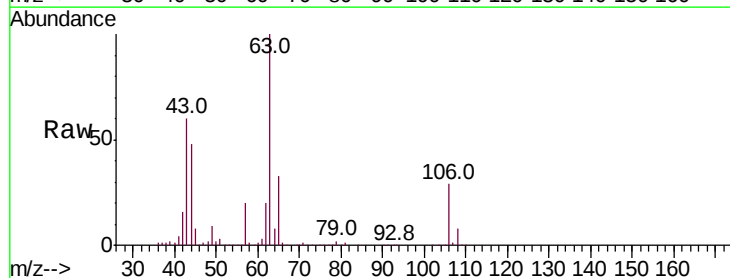
Acq: 02 Aug 2019 03:31

Tgt Ion: 63 Resp: 277710

Ion Ratio Lower Upper

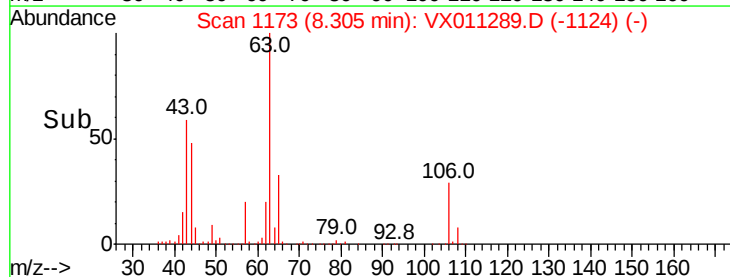
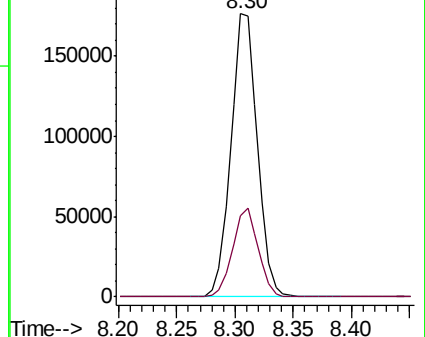
63 100

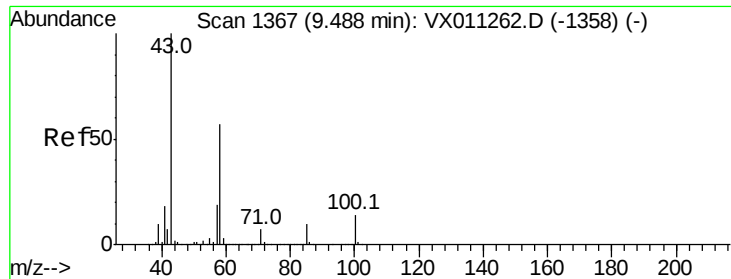
106 30.4 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





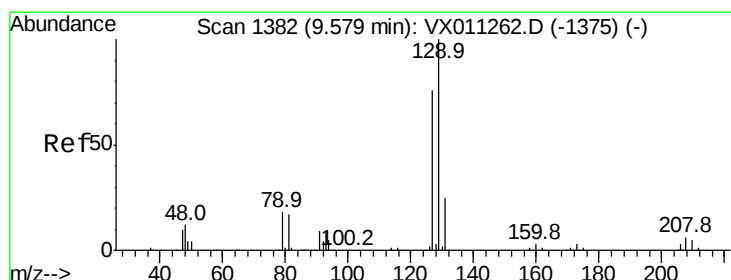
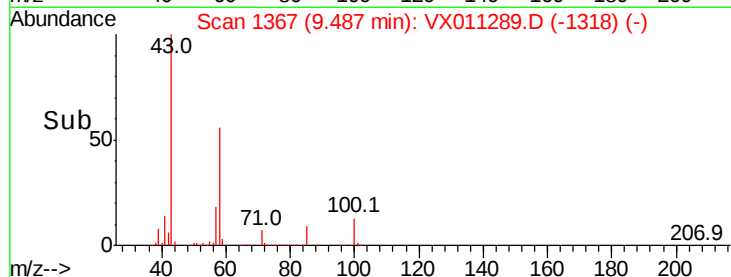
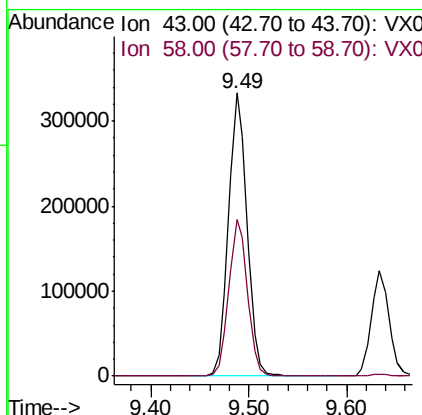
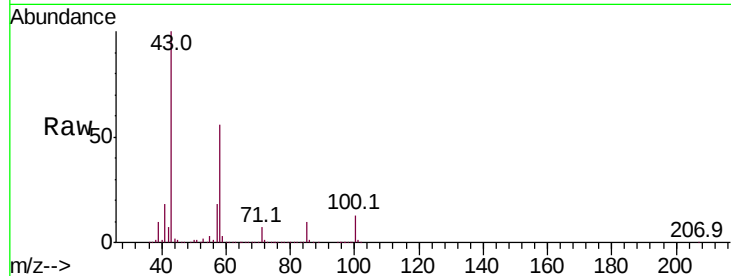
#59
2-Hexanone
Concen: 288.835 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX011289.D
Acq: 02 Aug 2019 03:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 439036
Ion Ratio Lower Upper
43 100
58 55.7 28.2 84.6

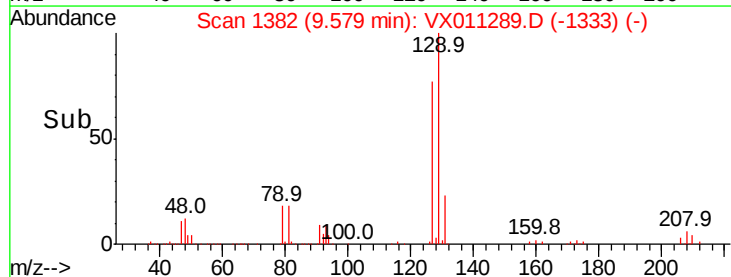
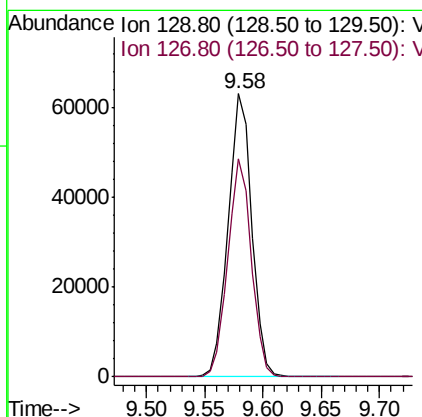
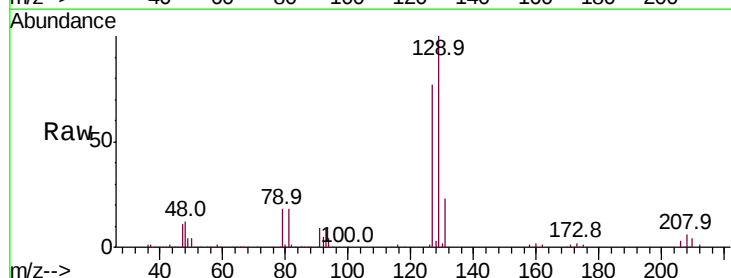
Manual Integrations
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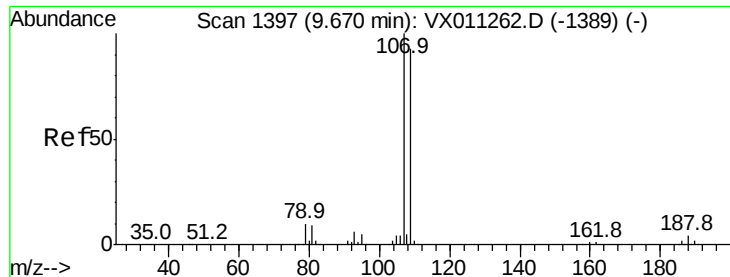
MMDadoda
8/2/2019 9:04:58 AM



#60
Dibromochloromethane
Concen: 56.741 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX011289.D
Acq: 02 Aug 2019 03:31

Tgt Ion: 129 Resp: 89355
Ion Ratio Lower Upper
129 100
127 76.5 39.2 117.6





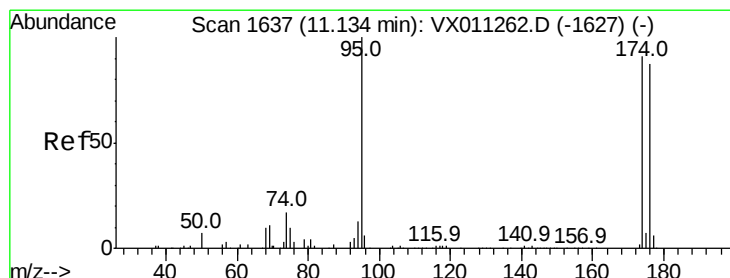
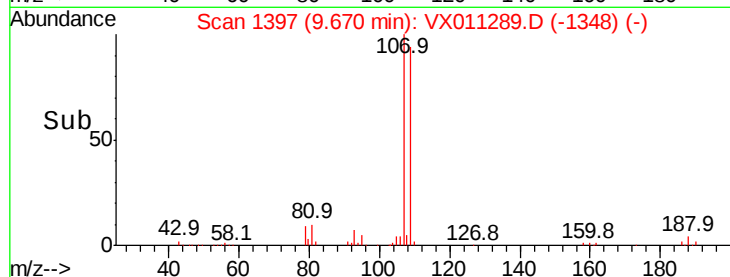
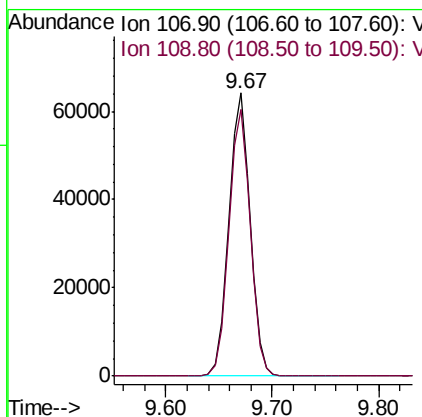
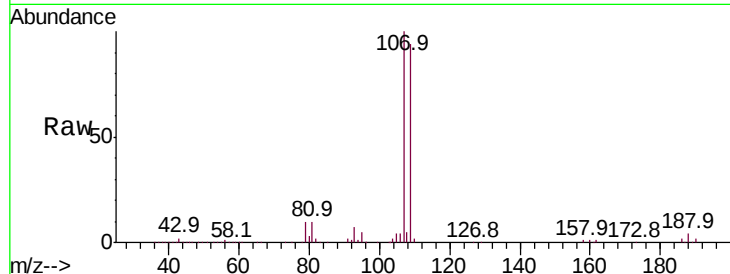
#61
 1,2-Dibromoethane
 Concen: 54.335 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX011289.D
 Acq: 02 Aug 2019 03:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	76.6	114.8

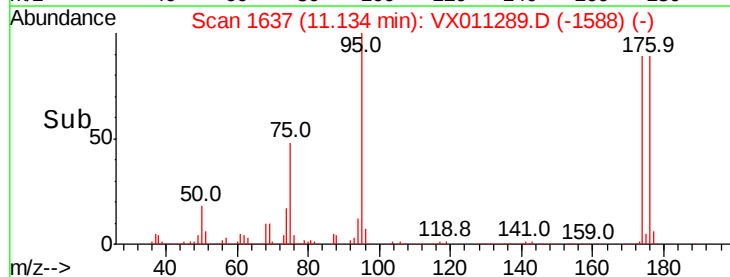
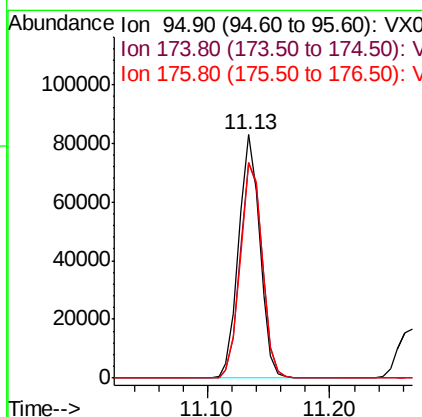
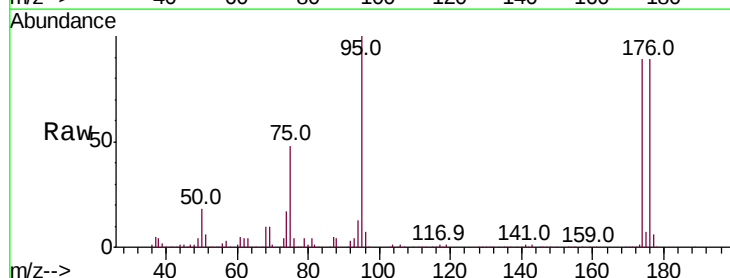
Manual Integrations
 APPROVED

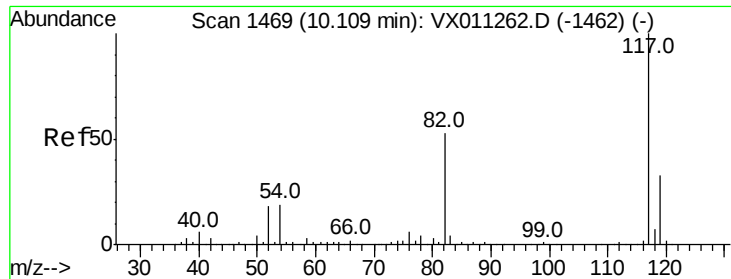
MMDadoda
 8/2/2019 9:04:58 AM



#62
 4-Bromofluorobenzene
 Concen: 51.534 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX011289.D
 Acq: 02 Aug 2019 03:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.6	0.0	191.2
176	91.7	0.0	184.8





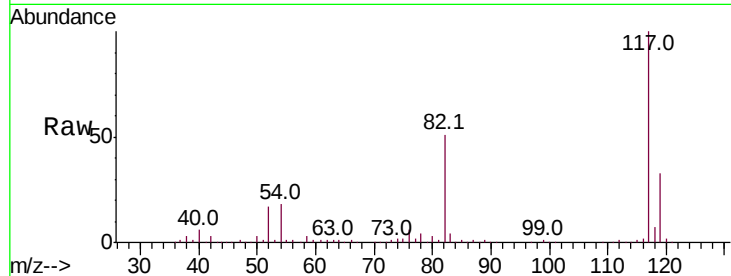
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011289.D
Acq: 02 Aug 2019 03:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.2	42.2	63.2
119	32.8	26.6	39.8

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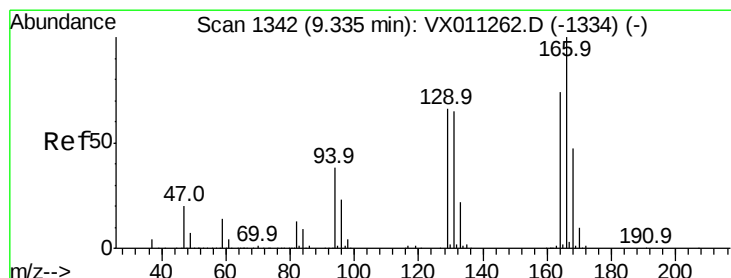
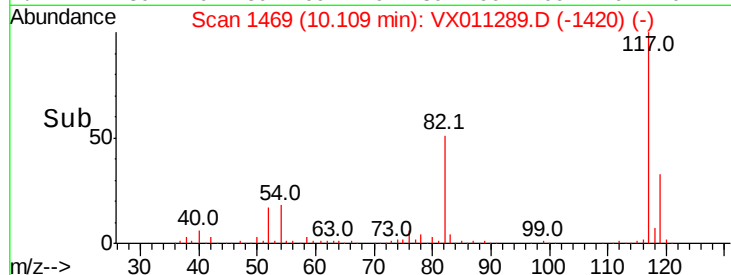
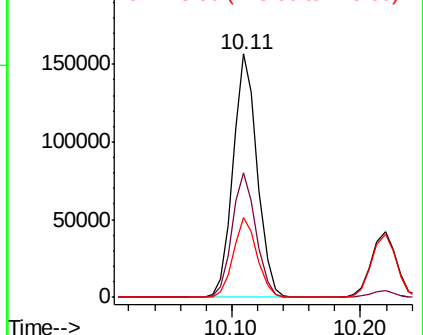


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 51.328 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX011289.D
Acq: 02 Aug 2019 03:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.6	107.5	161.3
129	90.2	71.0	106.4
131	88.8	69.8	104.6

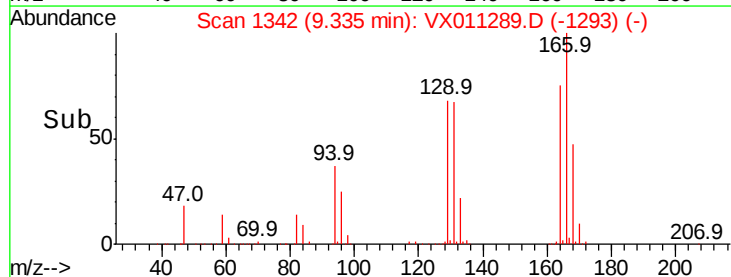
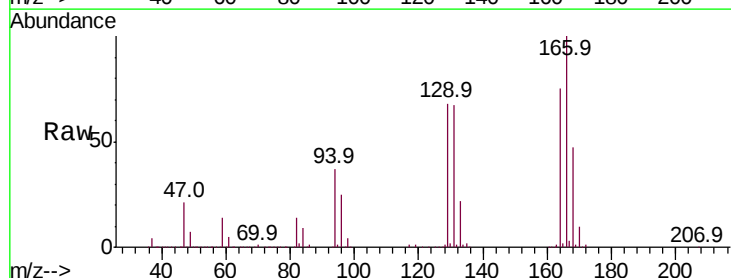
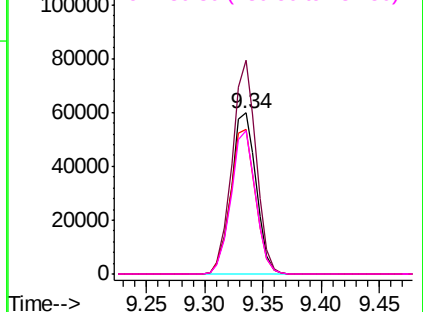
Abundance

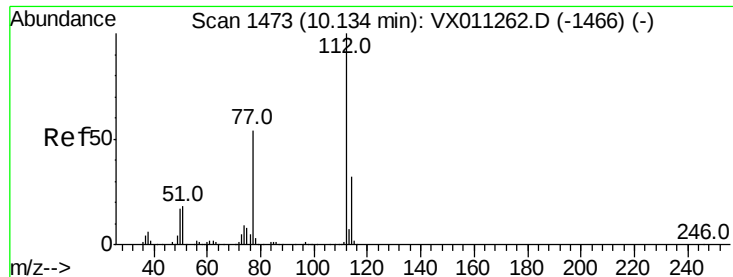
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 51.546 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX011289.D

Acq: 02 Aug 2019 03:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 225887

Ion Ratio Lower Upper

112 100

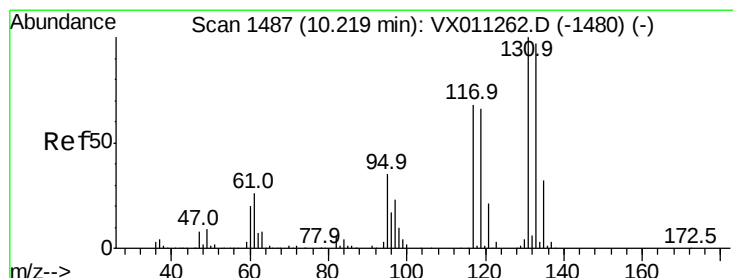
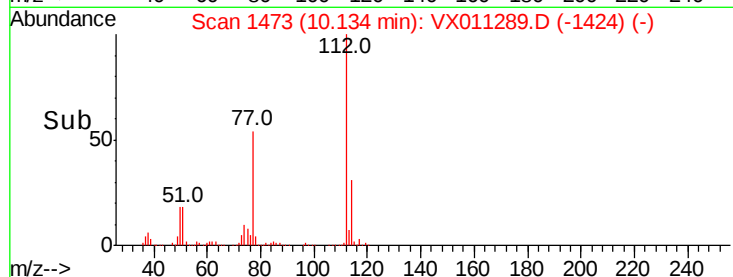
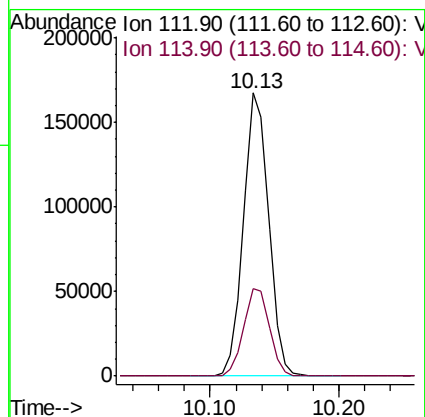
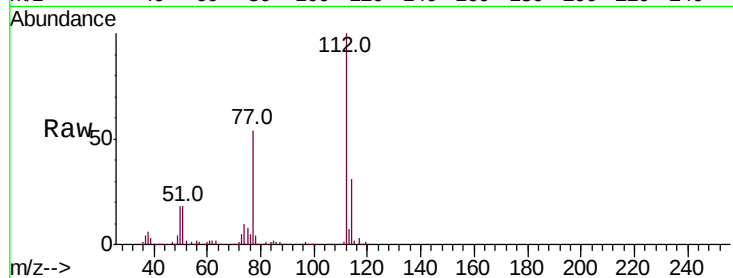
114 31.0 25.9 38.9

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#66

1,1,1,2-Tetrachloroethane

Concen: 55.438 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX011289.D

Acq: 02 Aug 2019 03:31

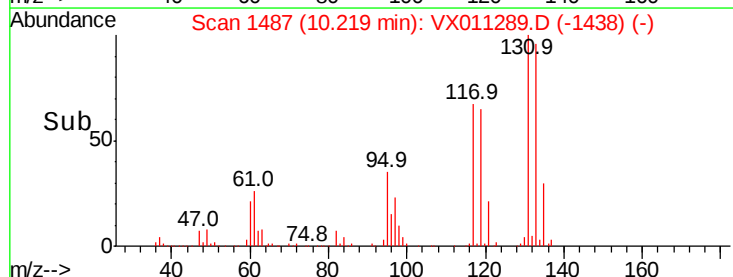
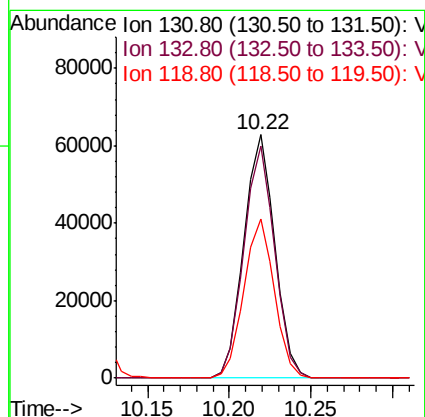
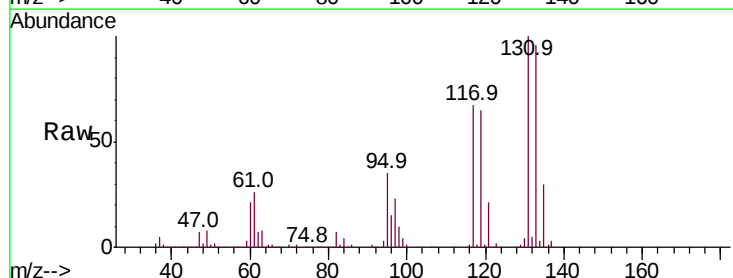
Tgt Ion:131 Resp: 83172

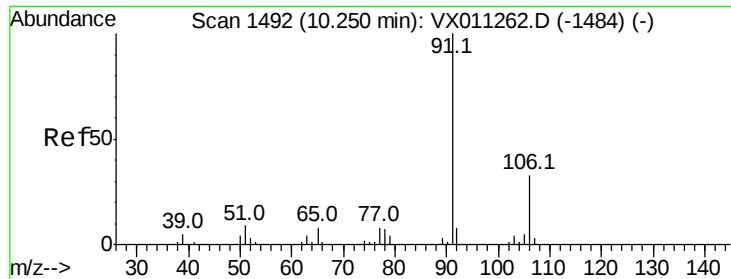
Ion Ratio Lower Upper

131 100

133 95.2 47.7 143.1

119 64.5 32.8 98.3





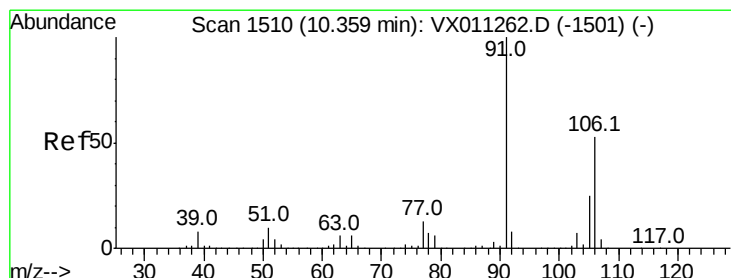
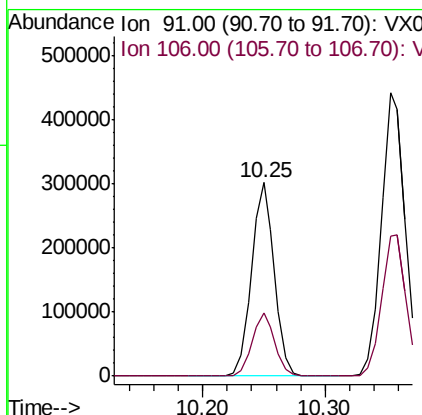
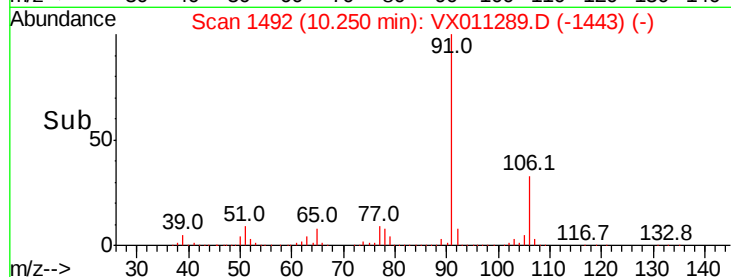
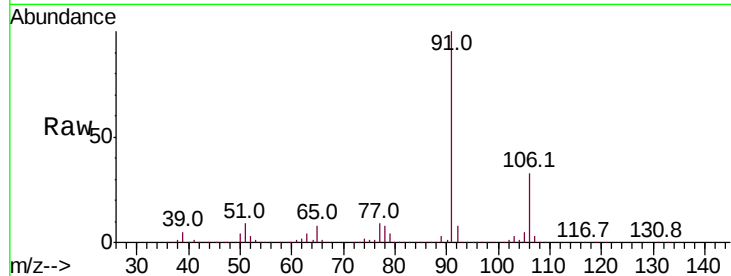
#67
Ethyl Benzene
Concen: 53.202 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX011289.D
Acq: 02 Aug 2019 03:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 390453
Ion Ratio Lower Upper
91 100
106 32.5 26.2 39.4

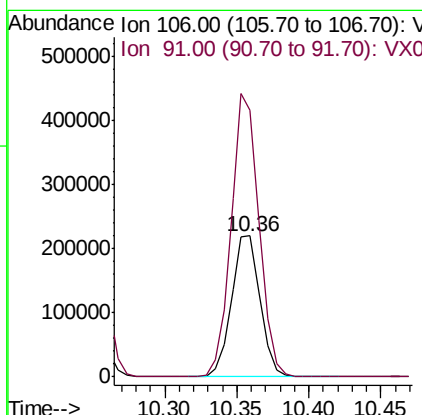
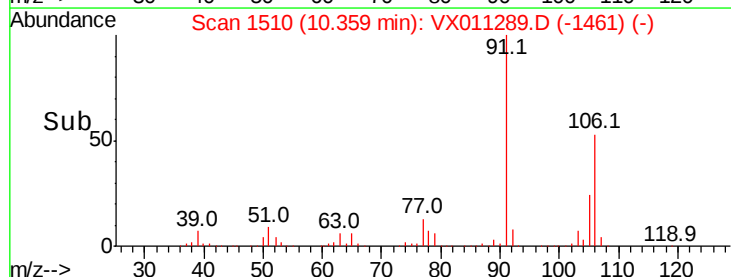
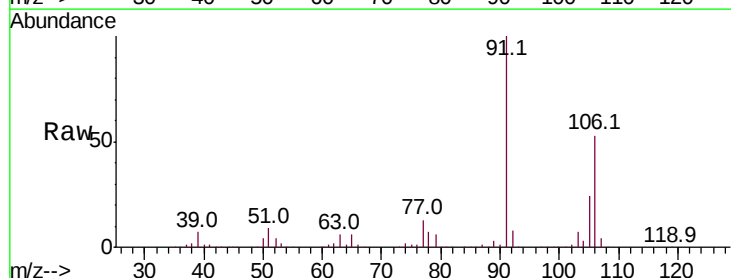
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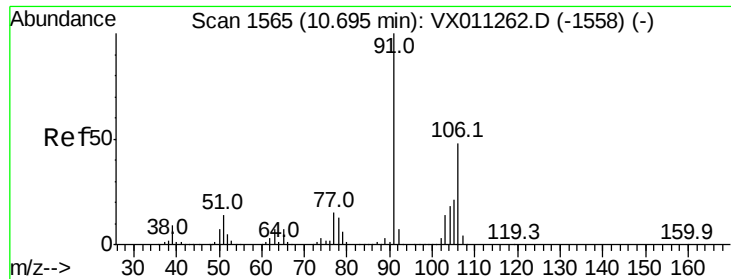
MMDadoda
8/2/2019 9:04:58 AM



#68
m/p-Xylenes
Concen: 107.661 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX011289.D
Acq: 02 Aug 2019 03:31

Tgt Ion: 106 Resp: 305622
Ion Ratio Lower Upper
106 100
91 195.5 155.9 233.9





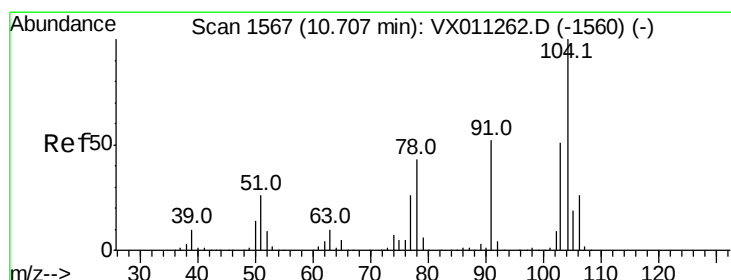
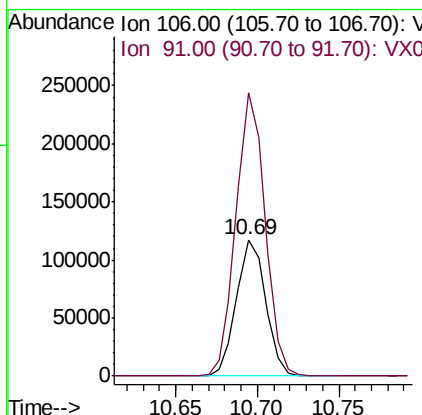
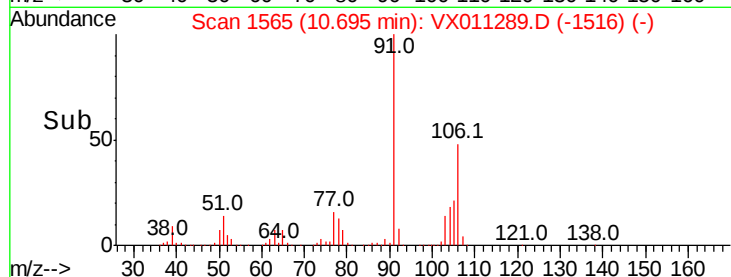
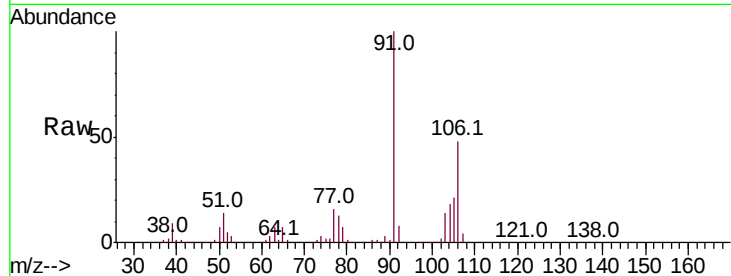
#69
o-Xylene
Concen: 53.001 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011289.D
Acq: 02 Aug 2019 03:31

Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	206.9	103.8	311.3

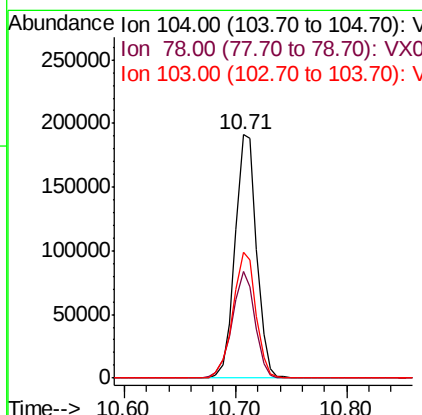
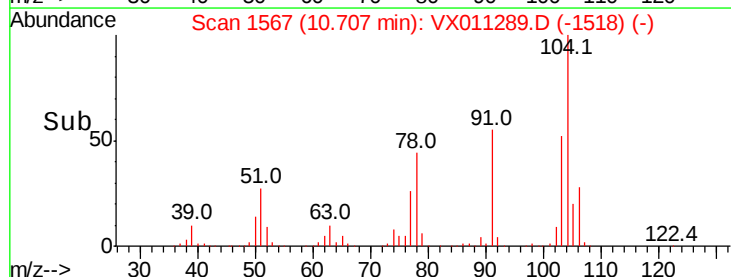
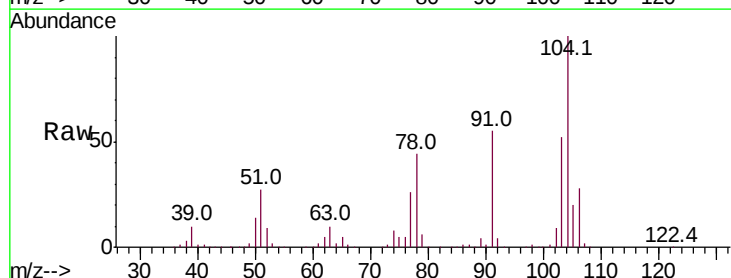
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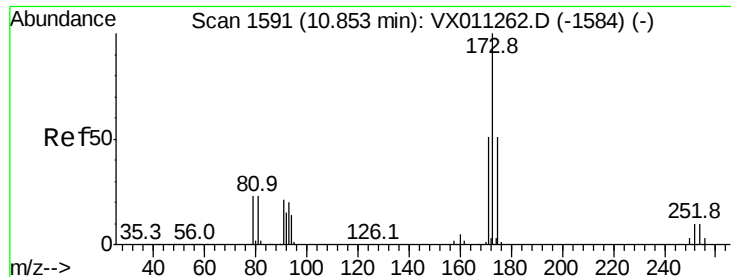
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#70
Styrene
Concen: 55.479 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX011289.D
Acq: 02 Aug 2019 03:31

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.5	36.9	55.3
103	55.2	44.4	66.6





#71

Bromoform

Concen: 50.630 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011289.D

Acq: 02 Aug 2019 03:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 67967

Ion Ratio Lower Upper

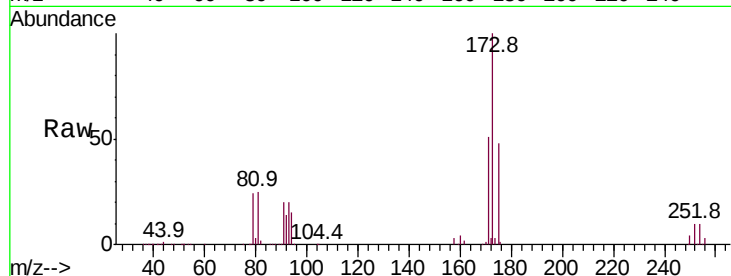
173 100

175 49.5 24.4 73.4

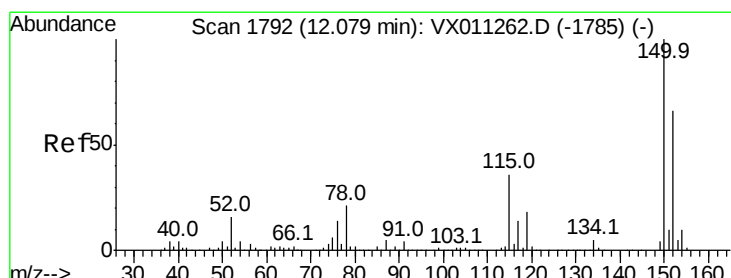
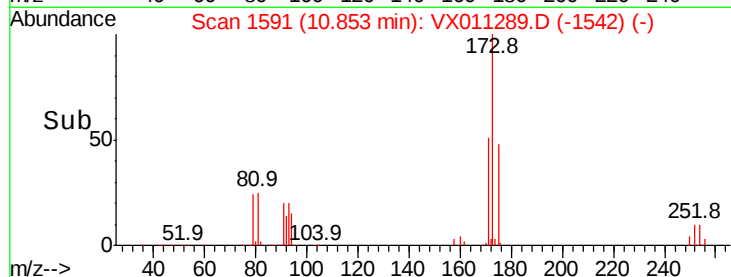
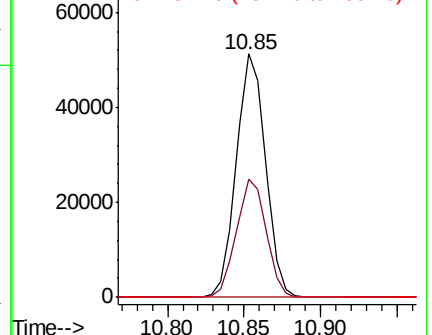
254 0.1 0.2 0.2#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX011289.D

Acq: 02 Aug 2019 03:31

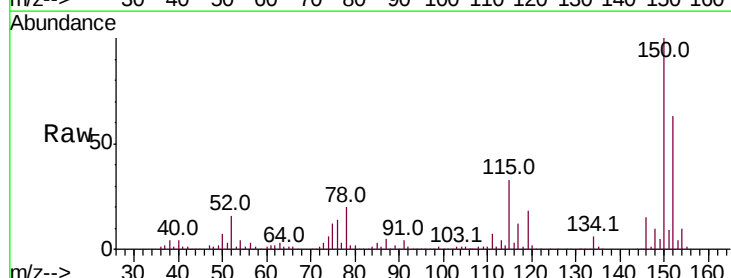
Tgt Ion:152 Resp: 110527

Ion Ratio Lower Upper

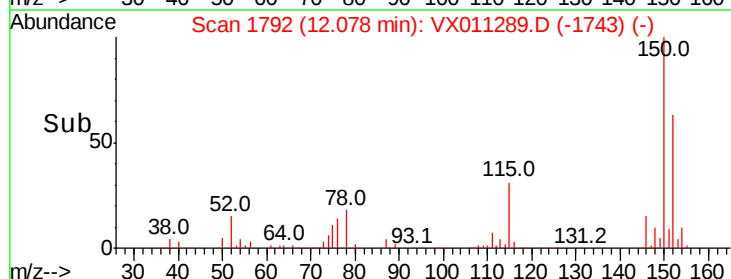
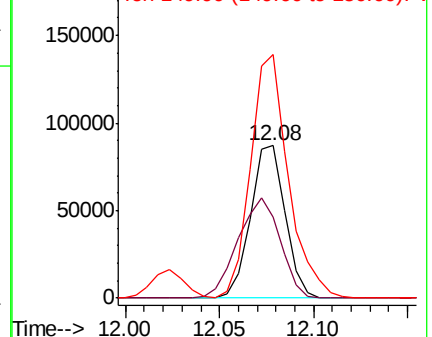
152 100

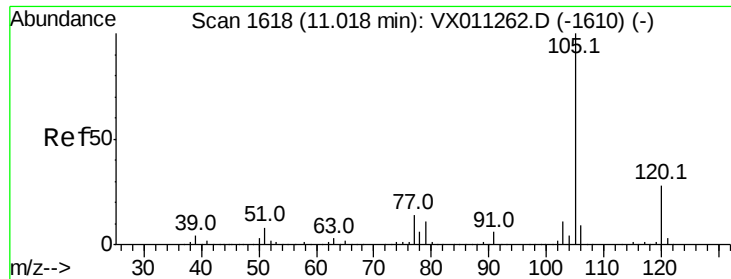
115 80.9 40.0 119.9

150 174.7 0.0 350.4



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





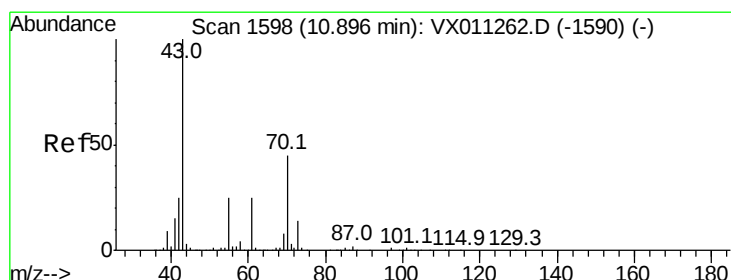
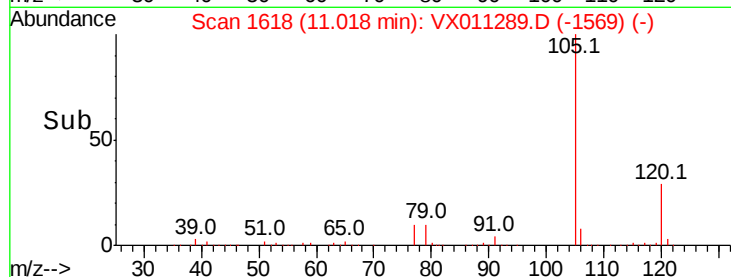
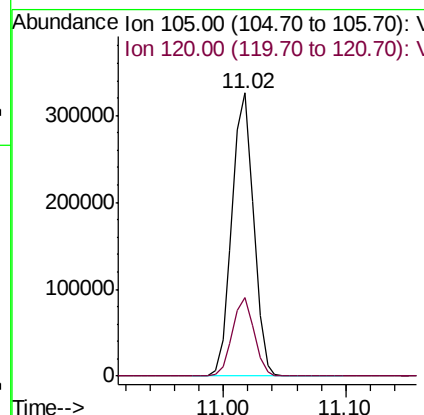
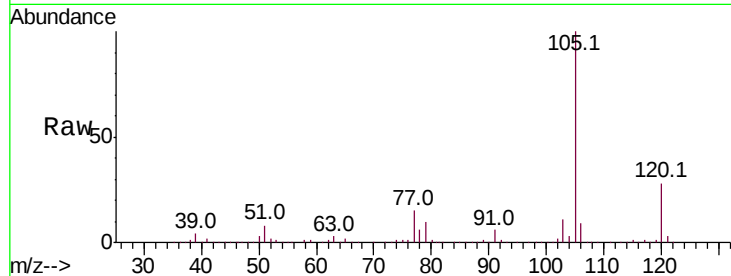
#73
Isopropylbenzene
Concen: 52.827 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX011289.D
Acq: 02 Aug 2019 03:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 105 Resp: 399333
Ion Ratio Lower Upper
105 100
120 27.5 13.7 41.1

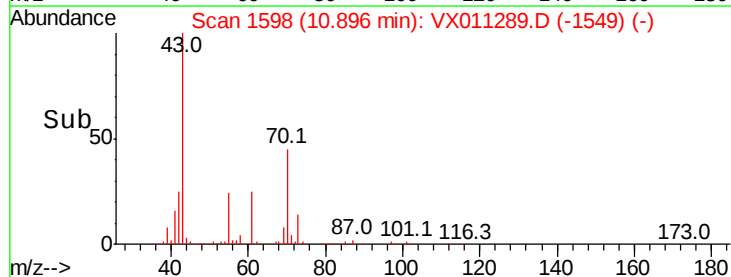
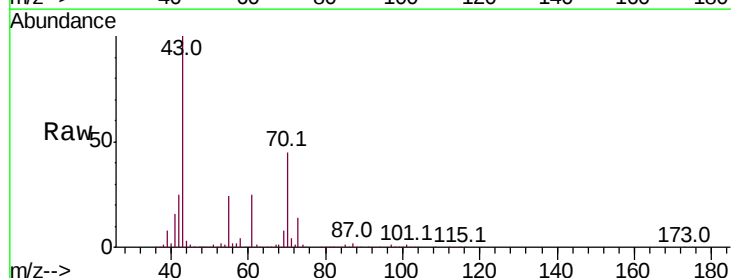
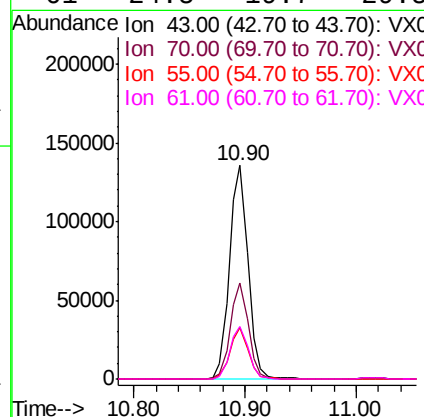
Manual Integrations
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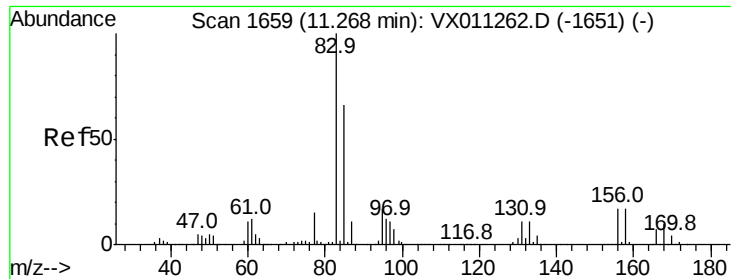
MMDadoda
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#74
N-ethyl acetate
Concen: 57.017 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX011289.D
Acq: 02 Aug 2019 03:31

Tgt Ion: 43 Resp: 155735
Ion Ratio Lower Upper
43 100
70 44.0 35.9 53.9
55 24.0 19.8 29.6
61 24.5 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 52.814 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011289.D

Acq: 02 Aug 2019 03:31

Instrument :

MSVOA_X

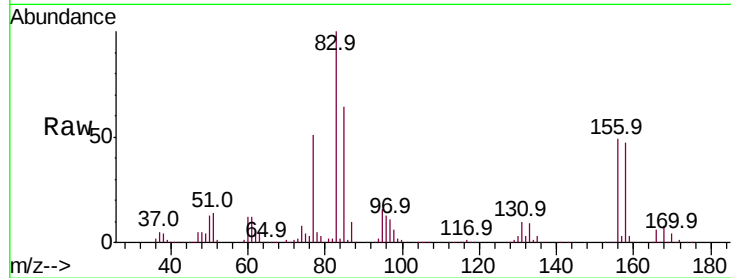
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	133044
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.6	16.8
85	64.5	32.1	96.5

Manual Integrations
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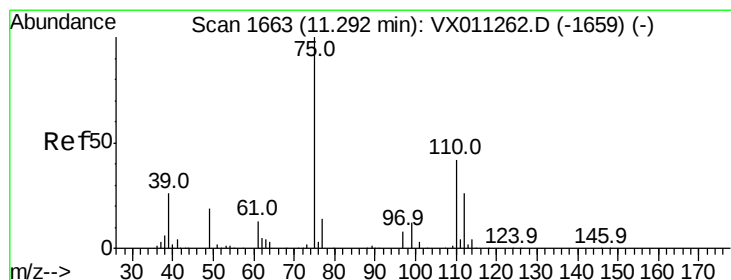
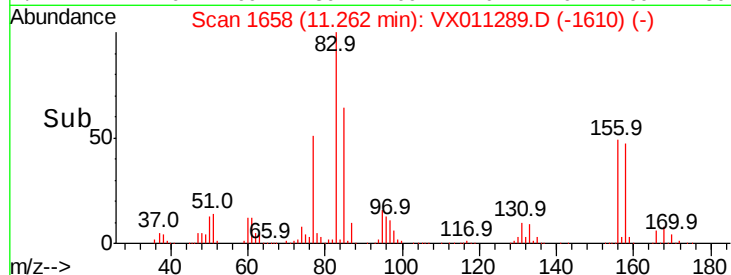
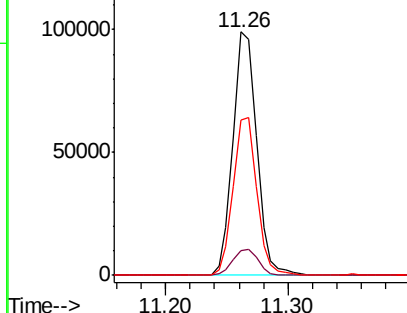
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 54.772 ug/l m

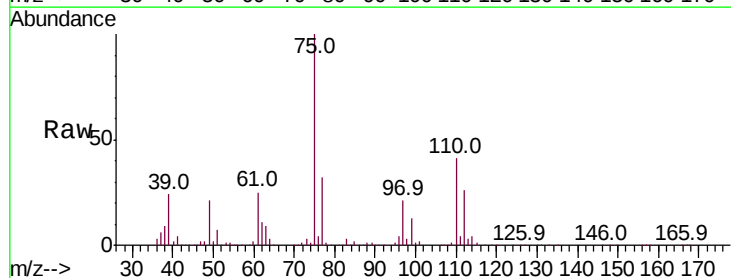
RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX011289.D

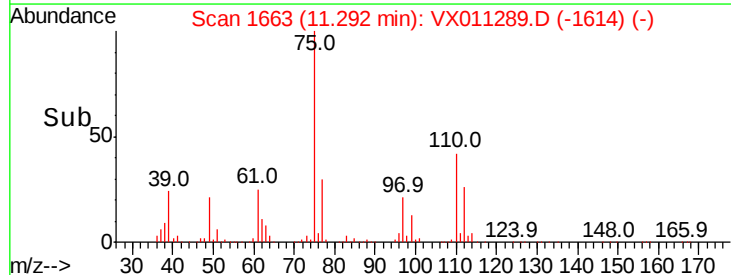
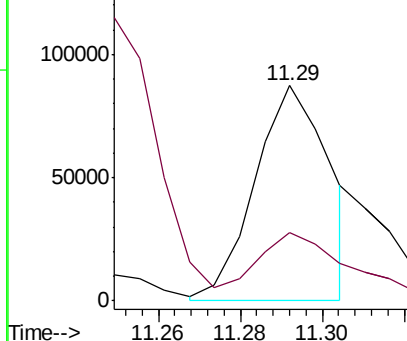
Acq: 02 Aug 2019 03:31

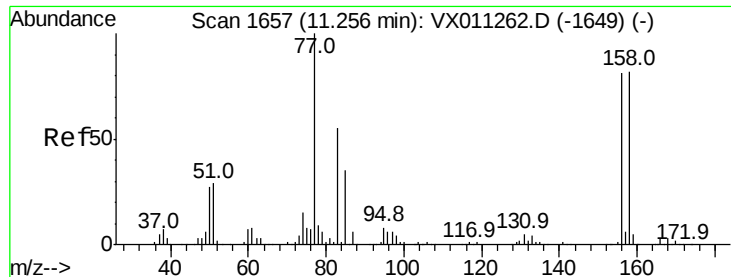
Tgt Ion:	75	Resp:	110246
Ion Ratio	Lower	Upper	
75	100		
77	40.2	21.1	63.4



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 53.007 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011289.D

Acq: 02 Aug 2019 03:31

Instrument :

MSVOA_X

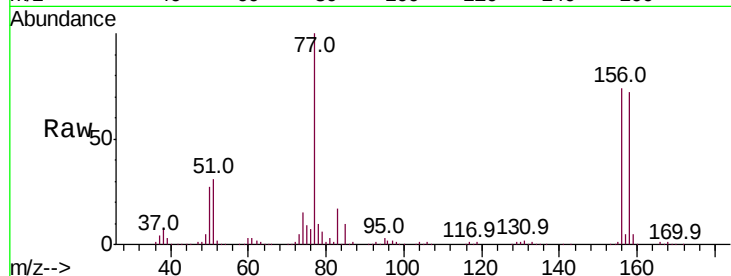
ClientSampleId :

VSTDCCC050EC

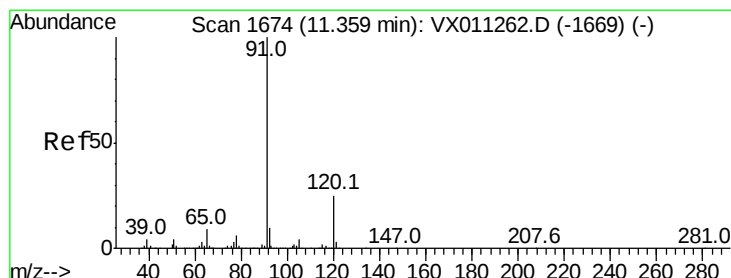
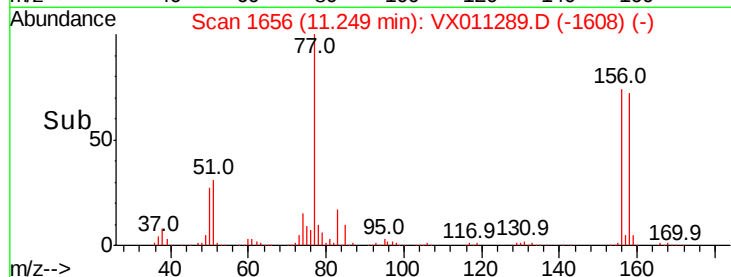
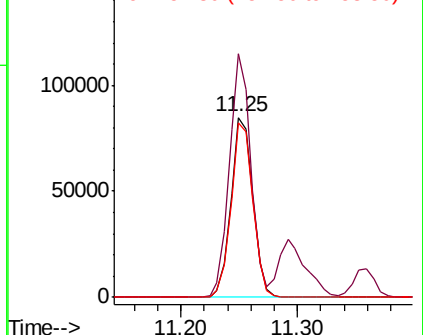
Tot Ion:	156	Resp:	111110
Ion	Ratio	Lower	Upper
156	100		
77	132.4	66.2	198.6
158	96.8	49.1	147.3

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.259 ug/l

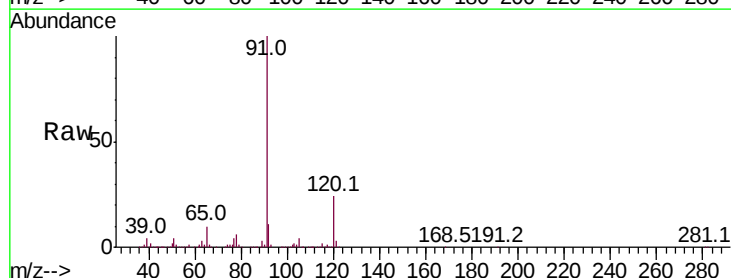
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

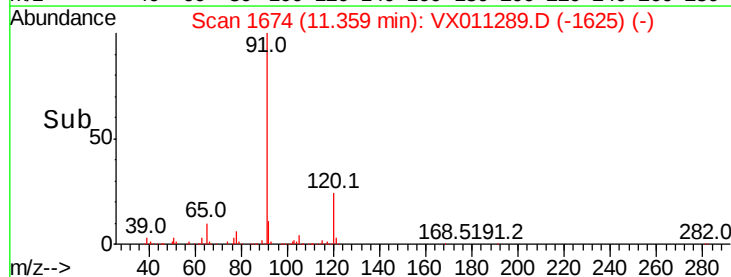
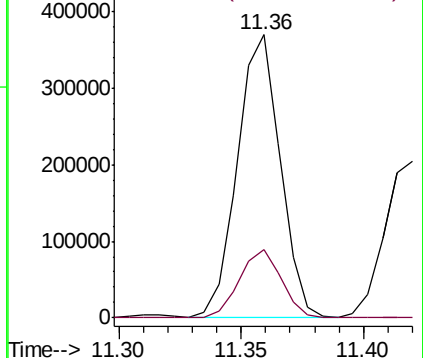
Lab File: VX011289.D

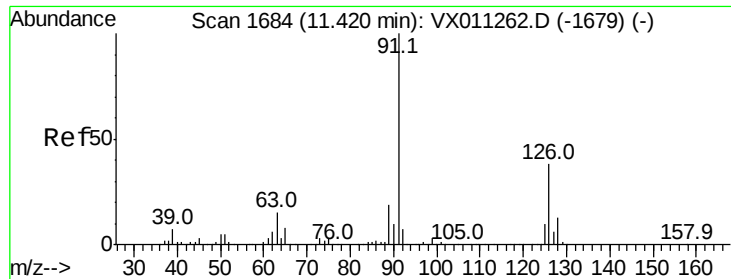
Acq: 02 Aug 2019 03:31

Tgt Ion:	91	Resp:	447713
Ion	Ratio	Lower	Upper
91	100		
120	24.1	12.4	37.0



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





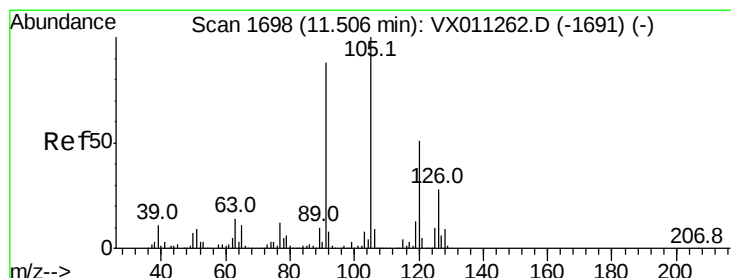
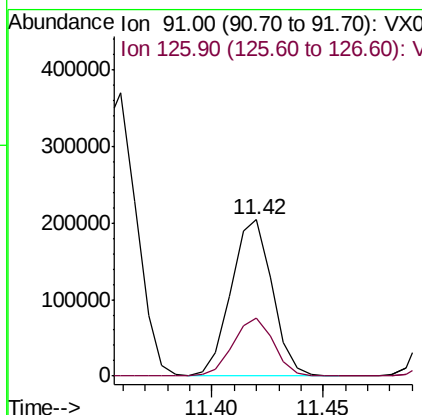
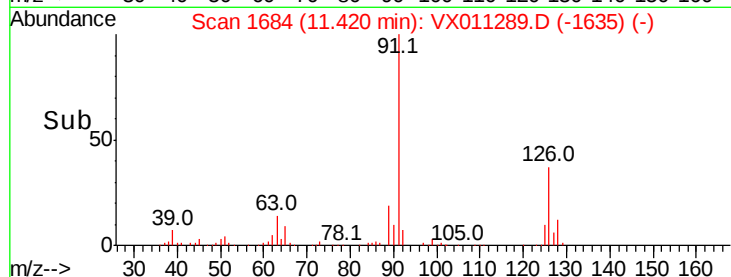
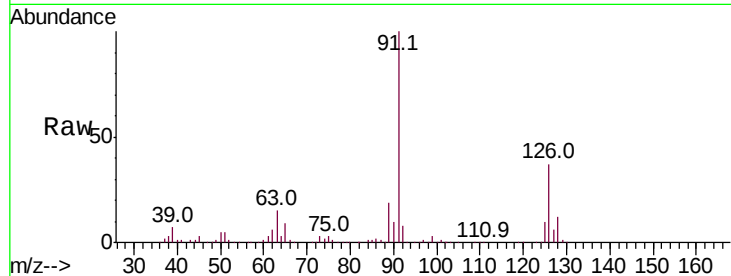
#79
 2-Chlorotoluene
 Concen: 52.341 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX011289.D
 Acq: 02 Aug 2019 03:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
126	36.8	18.5	55.5

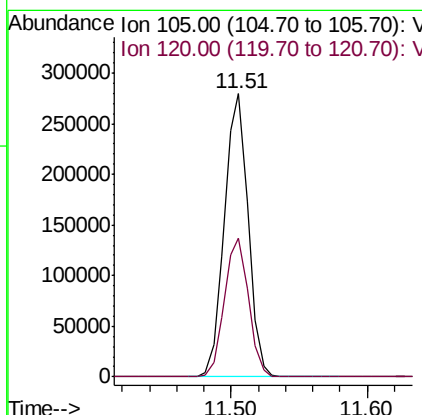
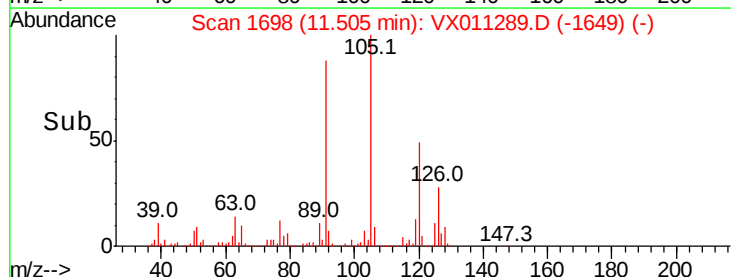
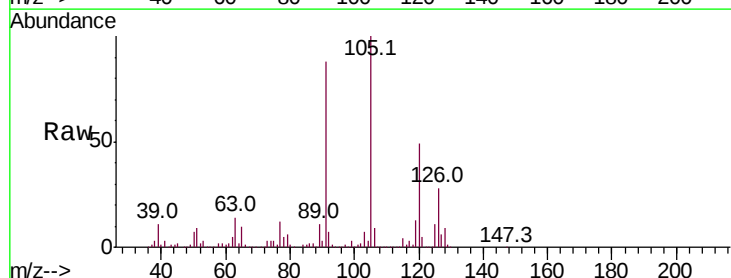
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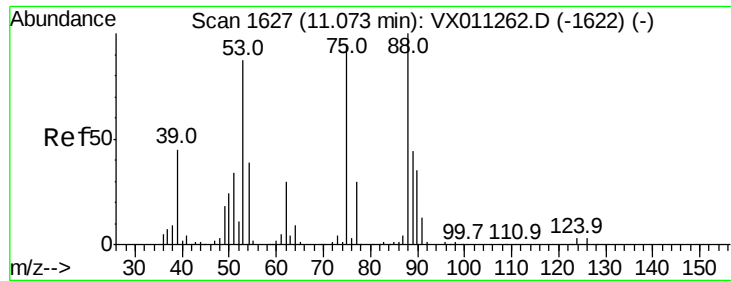
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#80
 1,3,5-Trimethylbenzene
 Concen: 53.329 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX011289.D
 Acq: 02 Aug 2019 03:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.7	25.1	75.2





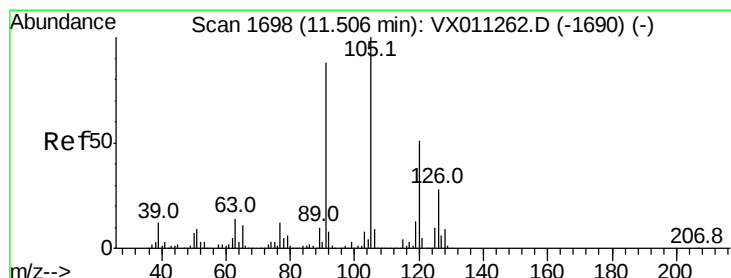
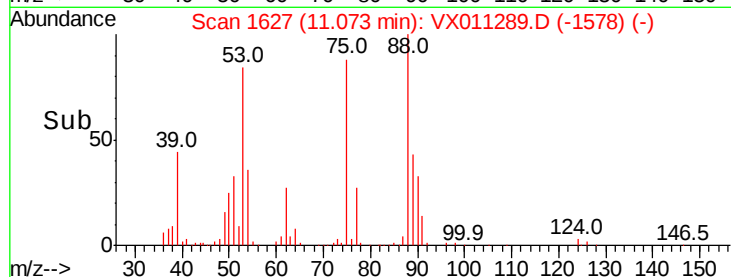
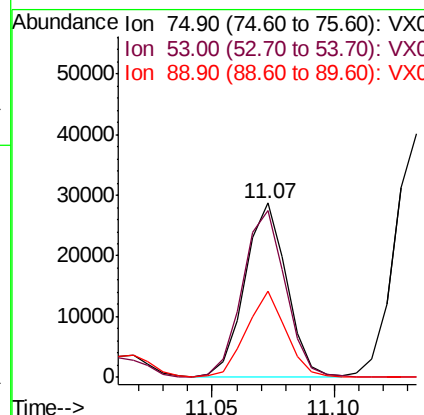
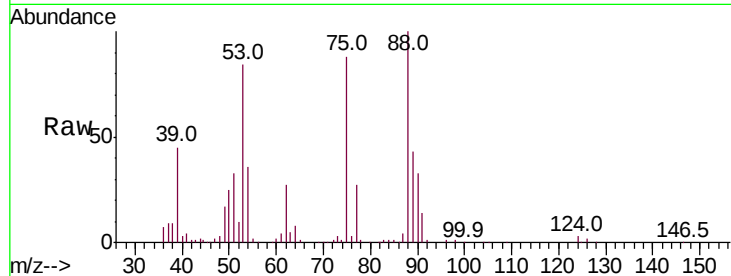
#81
trans-1,4-Dichloro-2-butene
Concen: 45.605 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011289.D
Acq: 02 Aug 2019 03:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.7	78.2	117.4
89	47.3	37.9	56.9

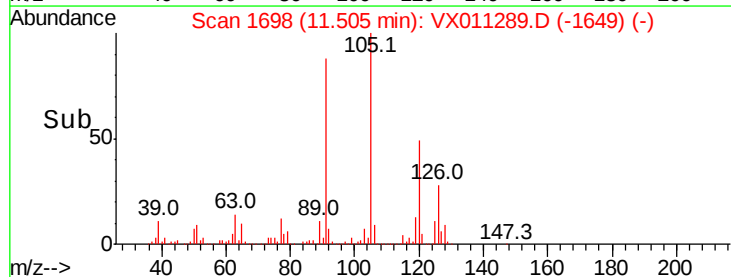
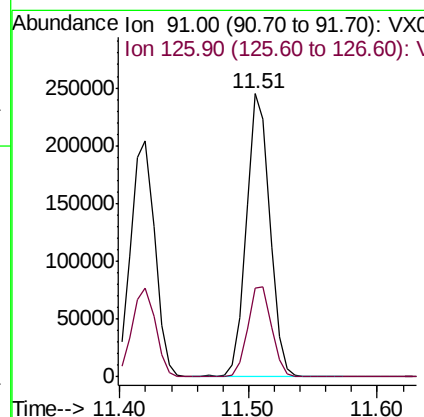
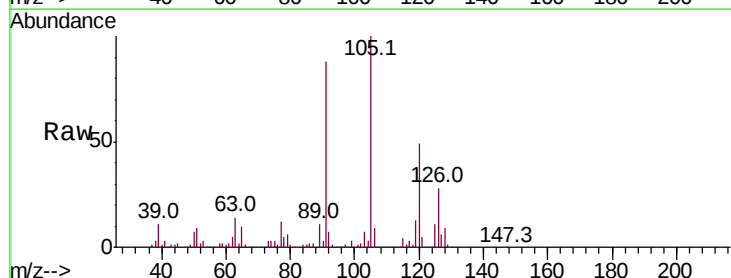
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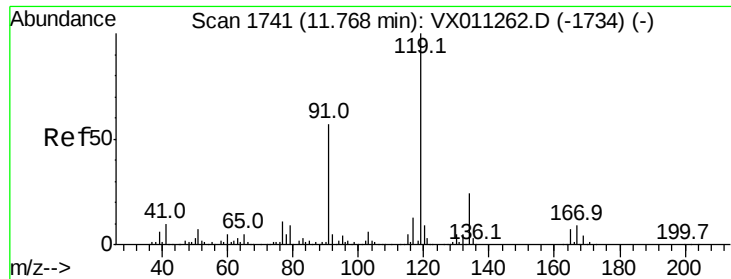
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#82
4-Chlorotoluene
Concen: 52.475 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX011289.D
Acq: 02 Aug 2019 03:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.2





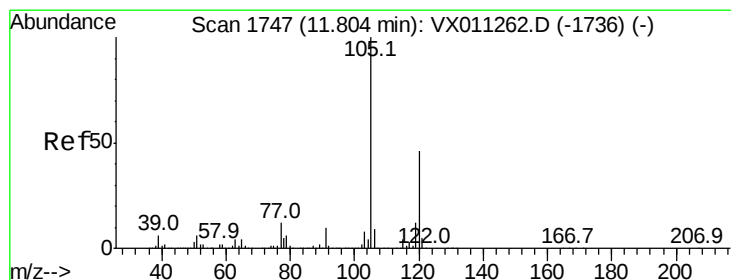
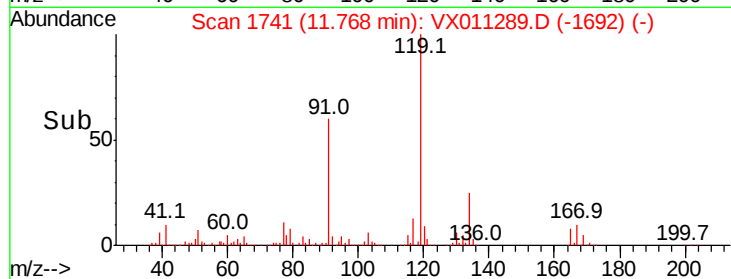
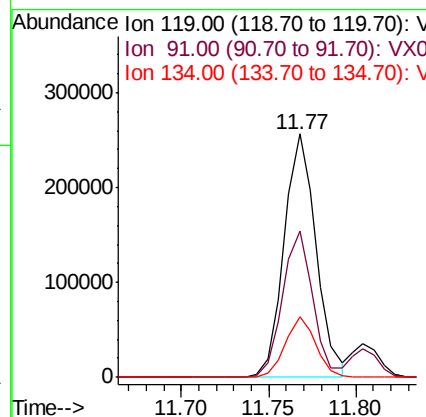
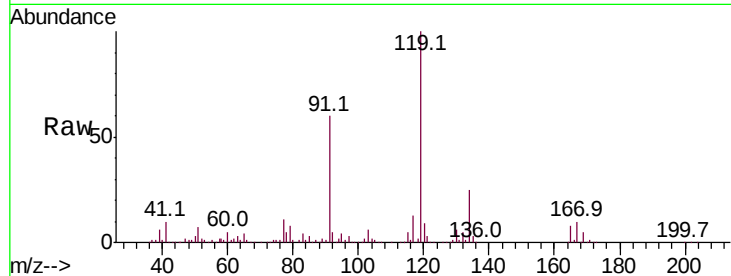
#83
tert-Butylbenzene
Concen: 52.710 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX011289.D
Acq: 02 Aug 2019 03:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	327131		
91	57.3	28.0	84.0	
134	23.9	11.9	35.5	

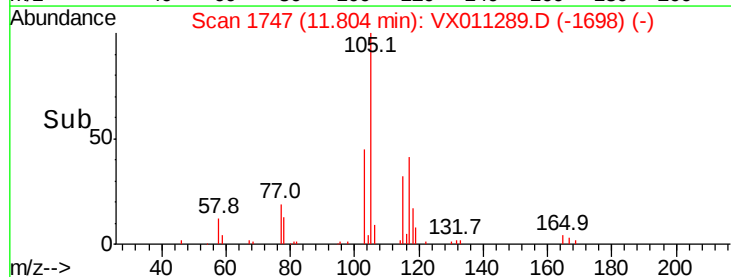
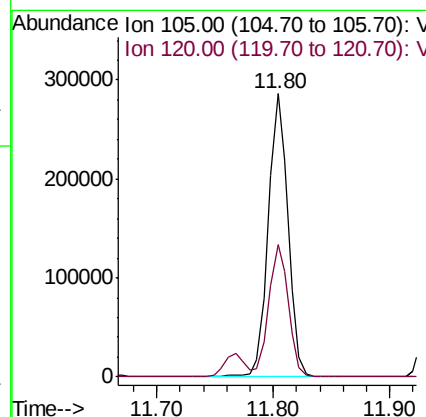
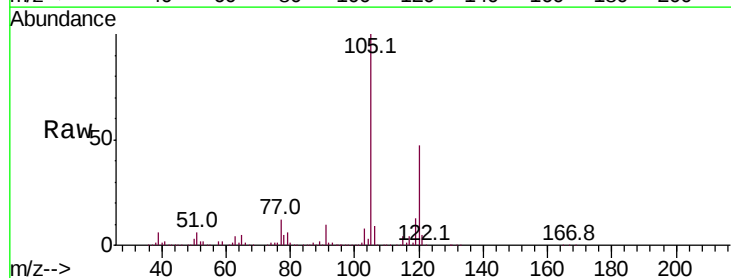
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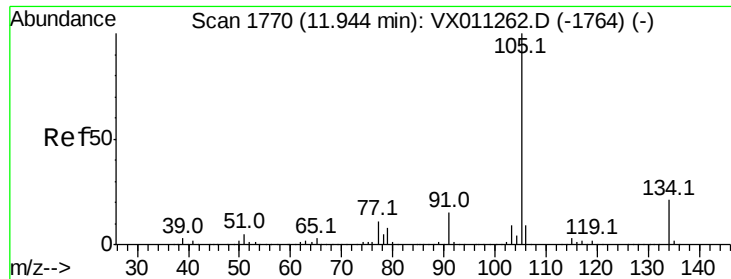
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#84
1,2,4-Trimethylbenzene
Concen: 53.889 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX011289.D
Acq: 02 Aug 2019 03:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	339512		
120	46.4	23.0	69.0	





#85

sec-Butylbenzene

Concen: 52.454 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011289.D

Acq: 02 Aug 2019 03:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 391126

Ion Ratio Lower Upper

105 100

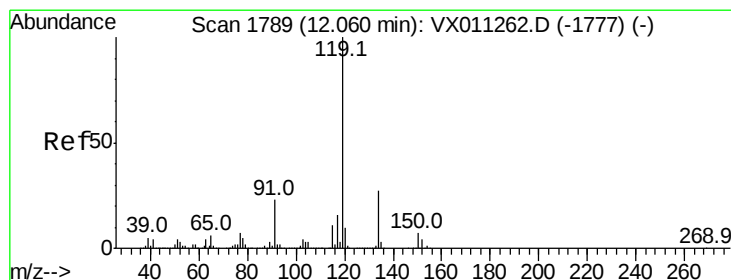
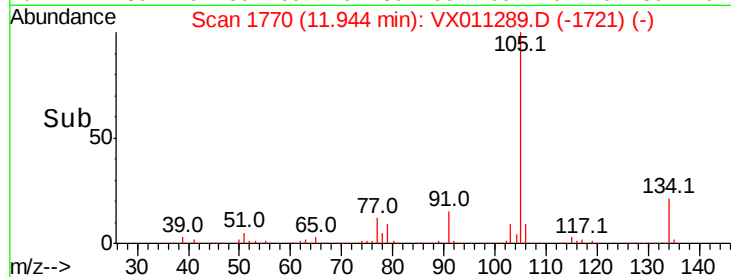
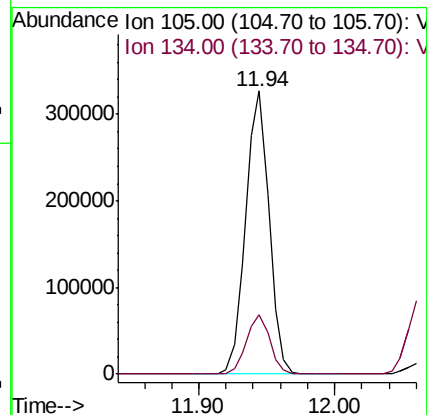
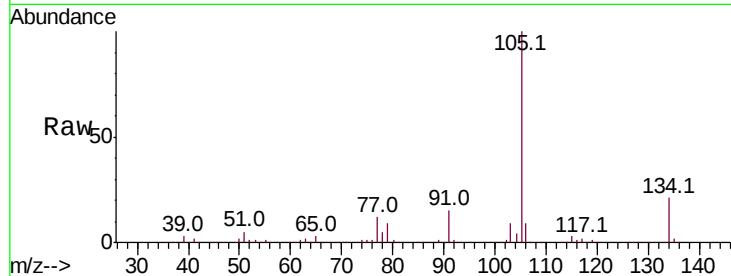
134 21.0 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 53.831 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX011289.D

Acq: 02 Aug 2019 03:31

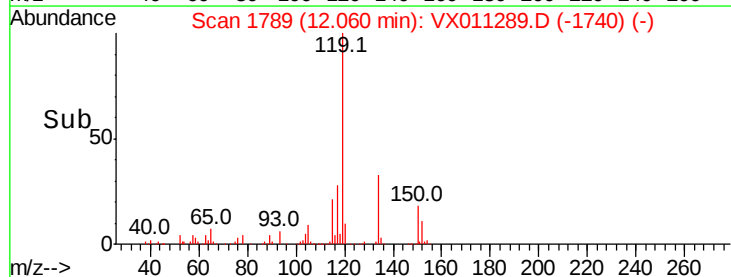
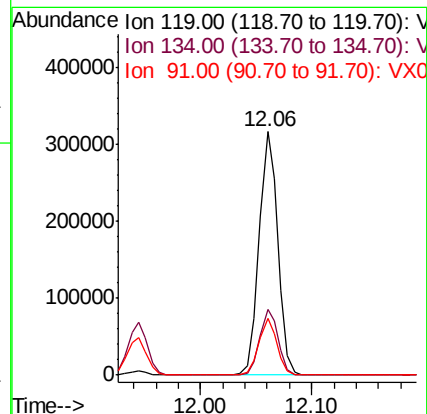
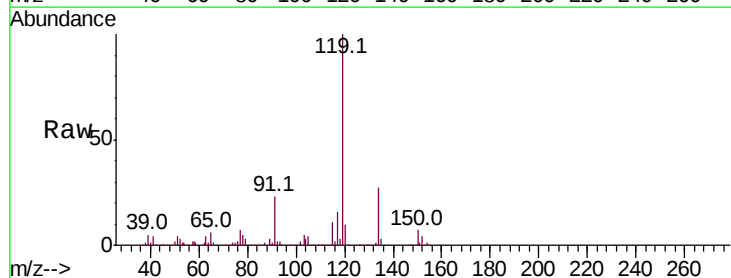
Tgt Ion:119 Resp: 369268

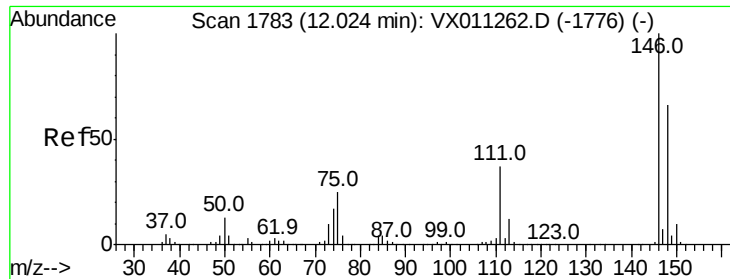
Ion Ratio Lower Upper

119 100

134 26.8 13.7 41.0

91 22.7 11.4 34.2





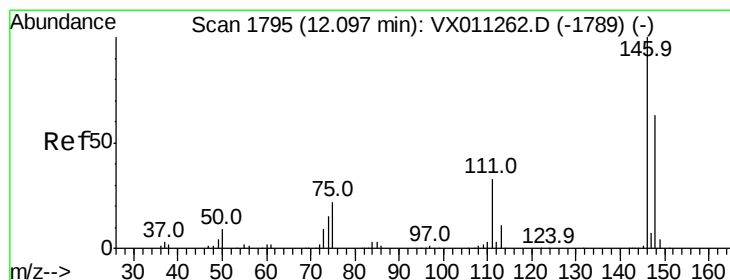
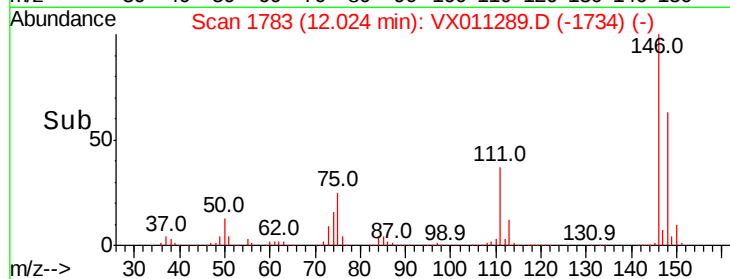
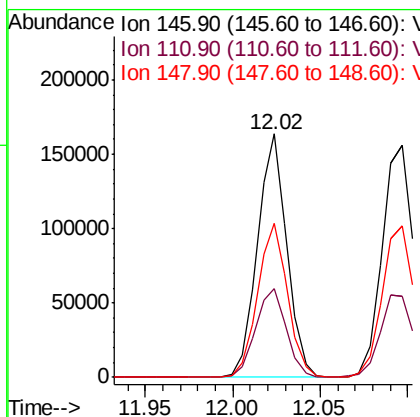
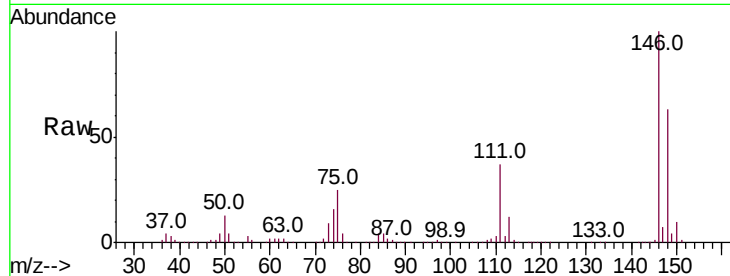
#87
 1,3-Dichlorobenzene
 Concen: 52.112 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX011289.D
 Acq: 02 Aug 2019 03:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.6	55.8
148	64.4	32.5	97.5

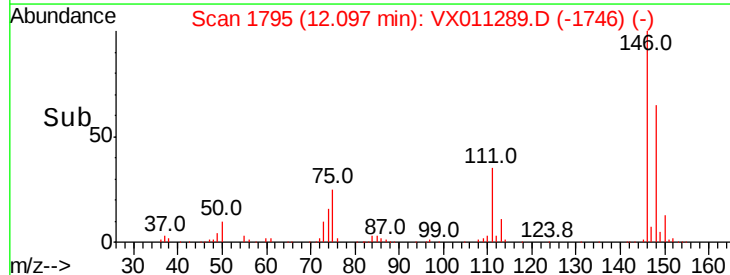
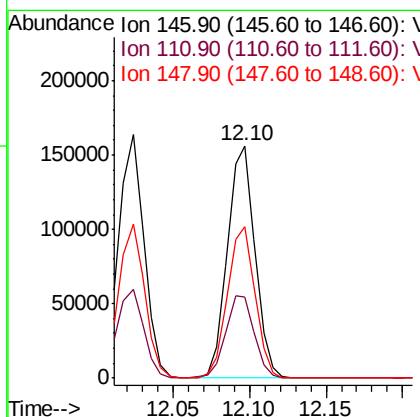
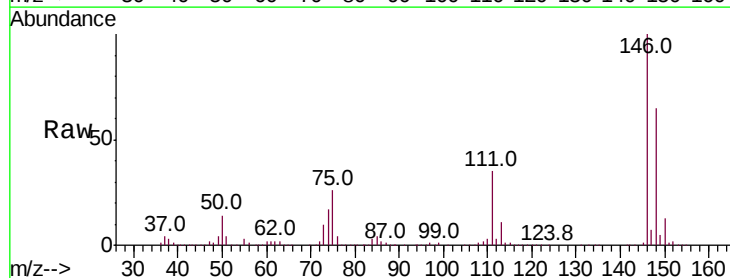
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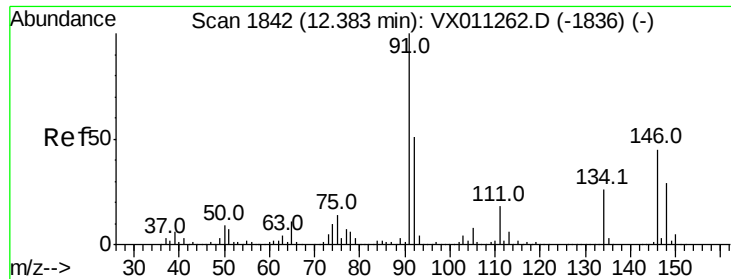
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#88
 1,4-Dichlorobenzene
 Concen: 51.072 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX011289.D
 Acq: 02 Aug 2019 03:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	17.8	53.4
148	65.2	31.8	95.3





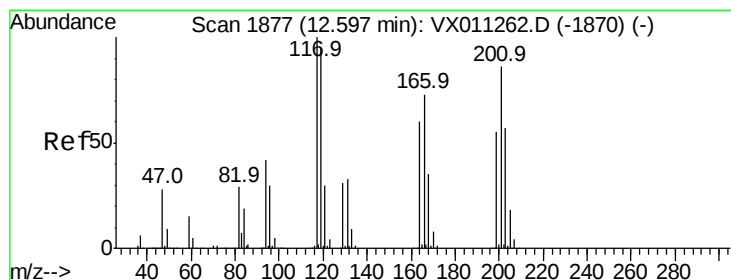
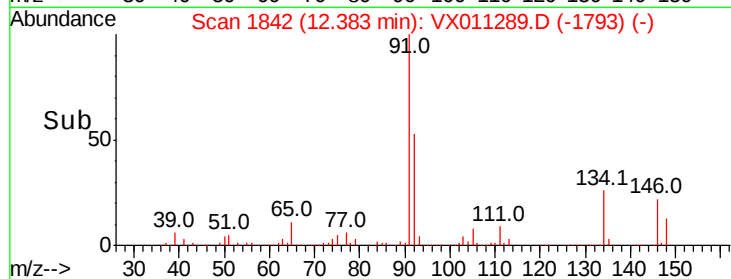
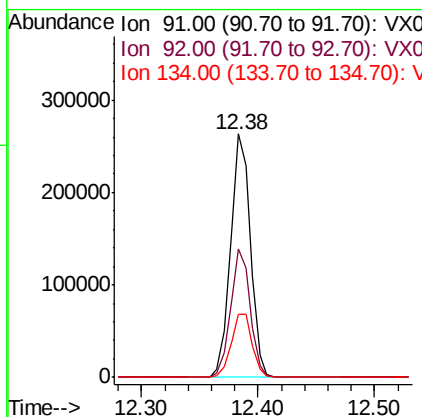
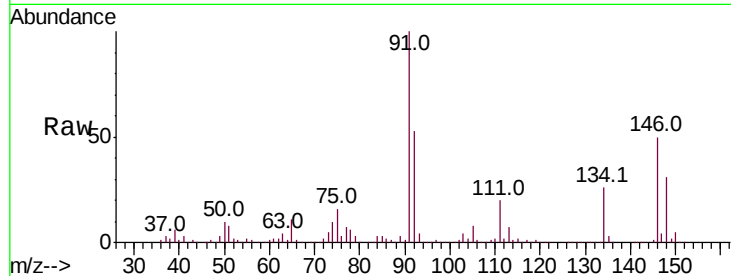
#89
n-Butylbenzene
Concen: 52.879 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX011289.D
Acq: 02 Aug 2019 03:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	51.9	25.8	77.3	
134	27.5	13.7	41.0	

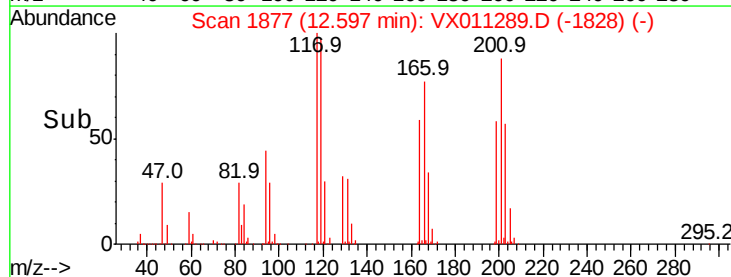
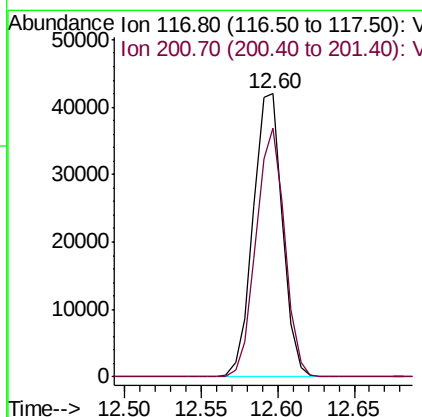
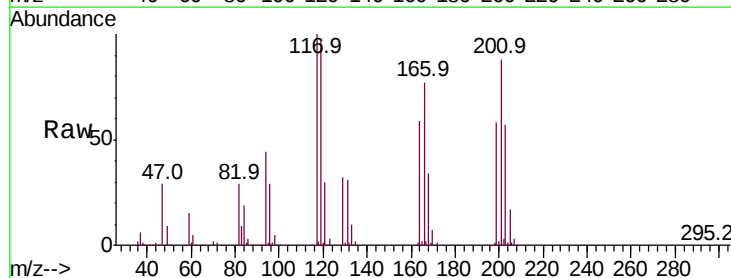
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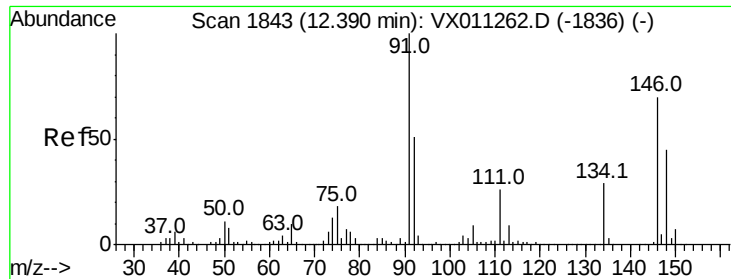
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#90
Hexachloroethane
Concen: 55.267 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX011289.D
Acq: 02 Aug 2019 03:31

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	85.9	41.8	125.4	





#91

1,2-Dichlorobenzene

Concen: 52.222 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX011289.D

Acq: 02 Aug 2019 03:31

Instrument :

MSVOA_X

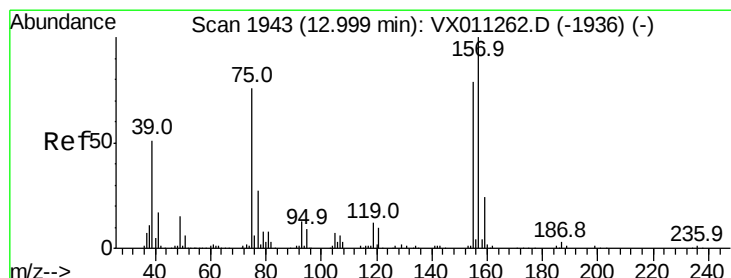
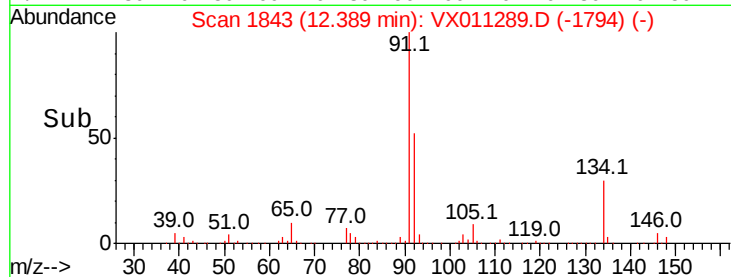
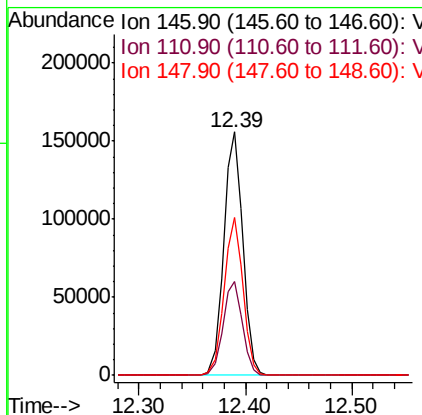
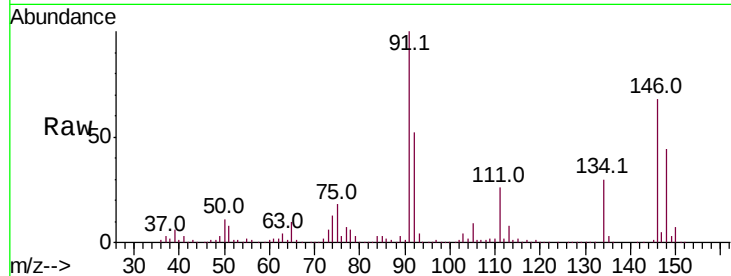
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	194336
Ion Ratio	Lower	Upper	
146	100		
111	39.0	19.1	57.1
148	64.2	32.3	96.8

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 57.044 ug/l

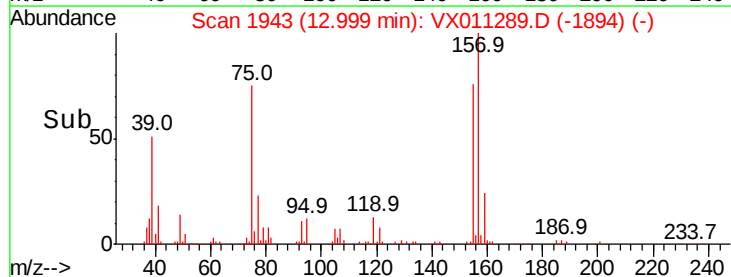
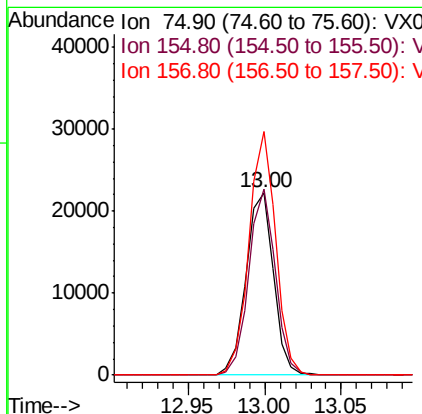
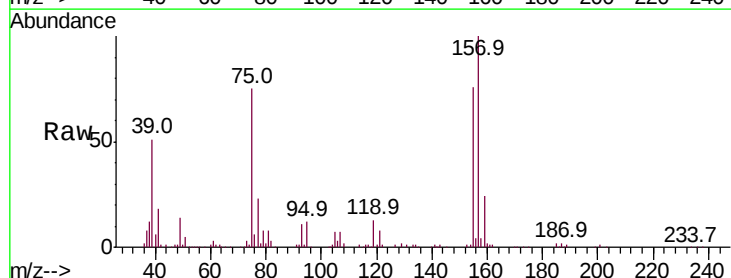
RT: 13.00 min Scan# 1943

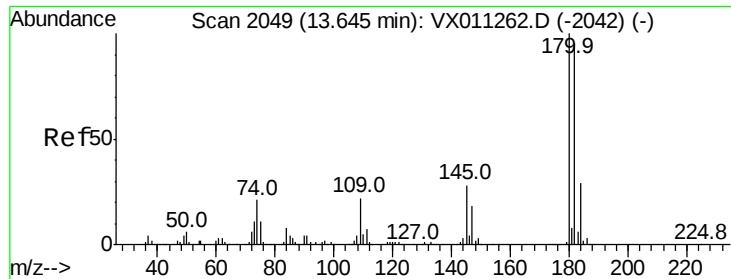
Delta R.T. -0.00 min

Lab File: VX011289.D

Acq: 02 Aug 2019 03:31

Tgt Ion:	75	Resp:	27841
Ion Ratio	Lower	Upper	
75	100		
155	98.5	51.9	155.8
157	129.1	64.3	192.7





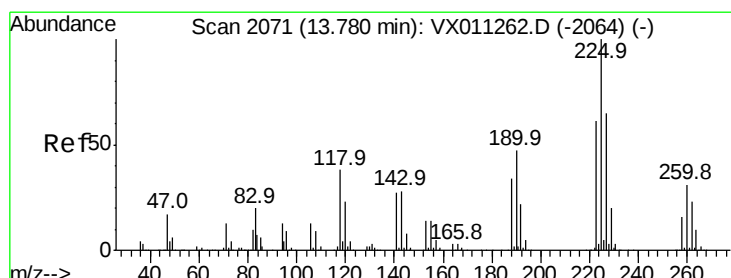
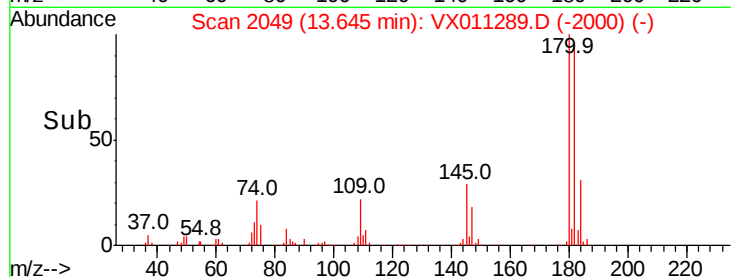
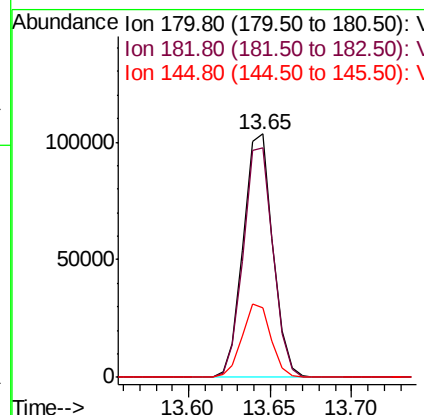
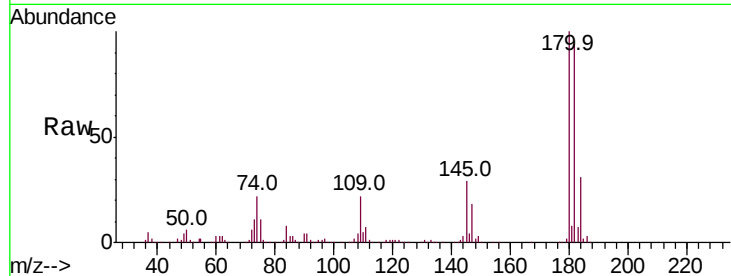
#93
 1,2,4-Trichlorobenzene
 Concen: 53.045 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX011289.D
 Acq: 02 Aug 2019 03:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	130912		
182	95.3	47.8	143.4	
145	29.5	14.8	44.3	

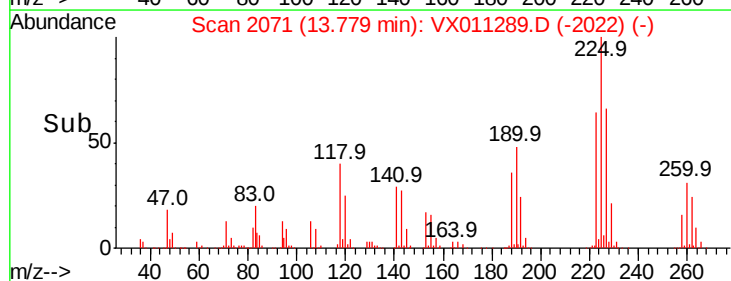
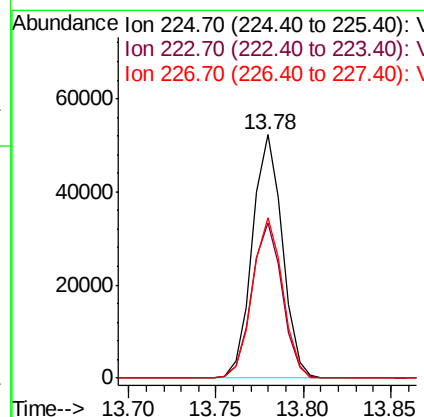
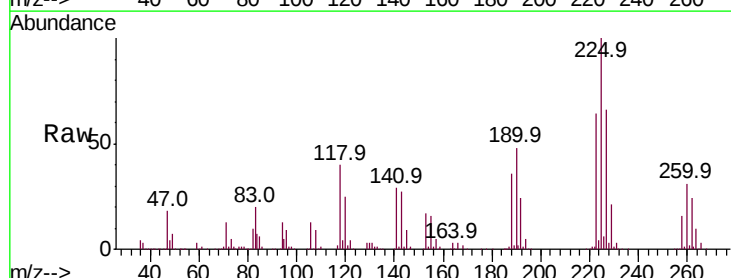
Manual Integrations
 APPROVED

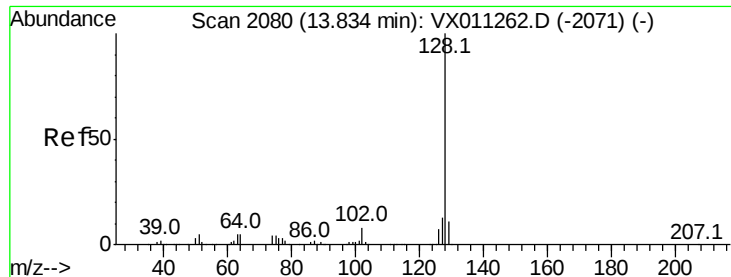
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#94
 Hexachlorobutadiene
 Concen: 49.691 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX011289.D
 Acq: 02 Aug 2019 03:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	62219		
223	64.6	31.0	93.0	
227	66.2	32.2	96.6	





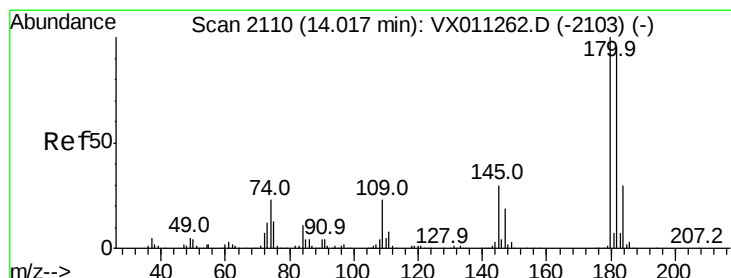
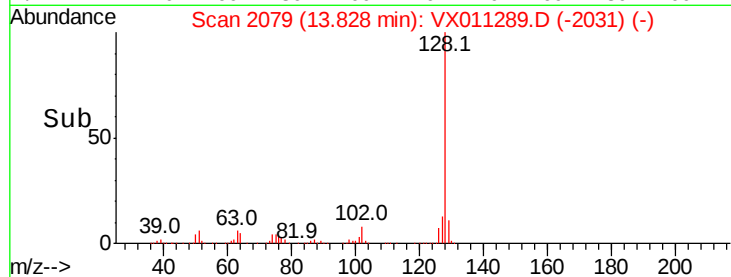
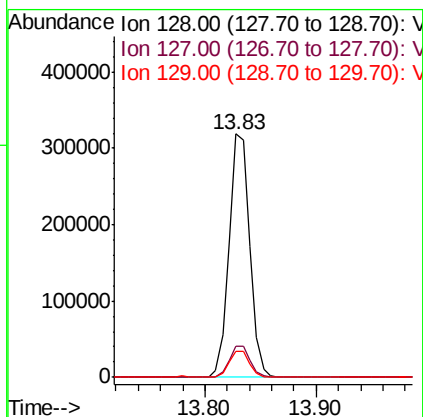
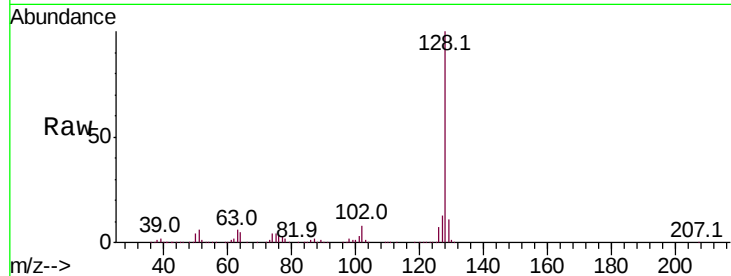
#95
Naphthalene
Concen: 56.469 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX011289.D
Acq: 02 Aug 2019 03:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.9	8.9	13.3

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 52.391 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX011289.D
Acq: 02 Aug 2019 03:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.4	142.3
145	30.5	15.2	45.6

