

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080919\
 Data File : VX011398.D
 Acq On : 09 Aug 2019 09:37
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/12/2019 12:49:41 PM

Quant Time: Aug 11 00:08:34 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	172092	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	245765	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	233435	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	127829	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	99411	57.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.72%	
35) Dibromofluoromethane	5.49	113	87676	54.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.28%	
50) Toluene-d8	8.71	98	326610	53.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.86%	
62) 4-Bromofluorobenzene	11.13	95	124693	57.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	61294	46.116	ug/l	98
3) Chloromethane	1.32	50	63928	42.831	ug/l	99
4) Vinyl Chloride	1.40	62	70803	43.125	ug/l	100
5) Bromomethane	1.63	94	49550	42.317	ug/l	99
6) Chloroethane	1.70	64	47646	46.702	ug/l	98
7) Trichlorofluoromethane	1.92	101	134198	45.970	ug/l	96
8) Diethyl Ether	2.18	74	46179	44.301	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	76028	48.133	ug/l	98
10) Methyl Iodide	2.50	142	92070	46.234	ug/l	98
11) Tert butyl alcohol	3.04	59	79423	229.824	ug/l	98
12) 1,1-Dichloroethene	2.36	96	72975	46.607	ug/l	91
13) Acrolein	2.28	56	69472	323.601	ug/l	98
14) Allyl chloride	2.71	41	108888	52.165	ug/l	97
15) Acrylonitrile	3.13	53	200225	242.790	ug/l	99
16) Acetone	2.43	43	240033	290.984	ug/l	97
17) Carbon Disulfide	2.56	76	167923	45.702	ug/l	99
18) Methyl Acetate	2.76	43	92589	49.115	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	236826	51.325	ug/l	97
20) Methylene Chloride	2.84	84	83138	46.020	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	78367	47.315	ug/l	93
22) Diisopropyl ether	3.84	45	232989	50.786	ug/l	96
23) Vinyl Acetate	3.80	43	1007046	264.660	ug/l	99
24) 1,1-Dichloroethane	3.68	63	133580	49.379	ug/l	97
25) 2-Butanone	4.66	43	307674	262.202	ug/l	99
26) 2,2-Dichloropropane	4.57	77	113855	54.142	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	91019	47.710	ug/l	97
28) Bromochloromethane	5.00	49	60302	48.897	ug/l	97
29) Tetrahydrofuran	5.12	42	172873	240.274	ug/l	98
30) Chloroform	5.20	83	150684	51.250	ug/l	100
31) Cyclohexane	5.57	56	109392	49.015	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	131153	52.072	ug/l	98
36) 1,1-Dichloropropene	5.79	75	106061	49.428	ug/l	99
37) Ethyl Acetate	4.82	43	105381	48.961	ug/l	99
38) Carbon Tetrachloride	5.77	117	118670	54.971	ug/l	95

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Quant Time: Aug 11 00:08:34 2019
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 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)
39) Methylcyclohexane	7.46	83	121520	47.778	ug/l	99
40) Benzene	6.13	78	317109	49.524	ug/l	96
41) Methacrylonitrile	5.02	41	57997	49.340	ug/l	96
42) 1,2-Dichloroethane	6.18	62	116196	53.665	ug/l	98
43) Isopropyl Acetate	6.43	43	174137	50.605	ug/l	99
44) Trichloroethene	7.20	130	93736	48.364	ug/l	99
45) 1,2-Dichloropropane	7.51	63	81630	49.225	ug/l	97
46) Dibromomethane	7.65	93	60425	49.914	ug/l	96
47) Bromodichloromethane	7.89	83	113413	55.334	ug/l	98
48) Methyl methacrylate	7.76	41	85874	53.027	ug/l	98
49) 1,4-Dioxane	7.73	88	42332	901.661	ug/l	96
51) 4-Methyl-2-Pentanone	8.63	43	580227	261.273	ug/l	99
52) Toluene	8.78	92	214454	50.656	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	121879	51.000	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	133788	55.880	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	89861	51.625	ug/l	98
56) Ethyl methacrylate	9.17	69	133797	53.939	ug/l	98
57) 1,3-Dichloropropane	9.37	76	141703	51.476	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.30	63	379519	311.171	ug/l	99
59) 2-Hexanone	9.49	43	463748	269.601	ug/l	98
60) Dibromochloromethane	9.58	129	99471	55.817	ug/l	98
61) 1,2-Dibromoethane	9.66	107	95930	51.011	ug/l	99
64) Tetrachloroethene	9.33	164	99101	49.990	ug/l	94
65) Chlorobenzene	10.13	112	242734	48.497	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	92261	53.843	ug/l	99
67) Ethyl Benzene	10.25	91	423894	50.570	ug/l	99
68) m/p-Xylenes	10.35	106	331924	102.373	ug/l	97
69) o-Xylene	10.69	106	159550	50.084	ug/l	98
70) Styrene	10.71	104	279854	53.092	ug/l	99
71) Bromoform	10.85	173	74770	48.870	ug/l #	99
73) Isopropylbenzene	11.01	105	441703	50.523	ug/l	99
74) N-amyl acetate	10.90	43	163006	51.601	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	137766	47.286	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	118416m	50.868	ug/l	
77) Bromobenzene	11.25	156	118871	49.034	ug/l	97
78) n-propylbenzene	11.36	91	499074	51.333	ug/l	99
79) 2-Chlorotoluene	11.41	91	295095	50.924	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	376942	51.506	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	41607	47.932	ug/l	97
82) 4-Chlorotoluene	11.51	91	349578	51.763	ug/l	98
83) tert-Butylbenzene	11.77	119	367657	51.221	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	382023	52.429	ug/l	99
85) sec-Butylbenzene	11.94	105	449207	52.089	ug/l	100
86) p-Isopropyltoluene	12.06	119	416065	52.443	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	215518	50.314	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	212696	48.154	ug/l	97
89) n-Butylbenzene	12.38	91	362364	53.015	ug/l	99
90) Hexachloroethane	12.59	117	65556	55.891	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	210351	48.874	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	29895	52.962	ug/l	92

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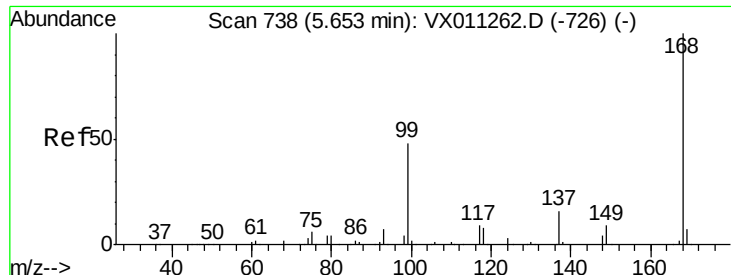
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	145588	51.007	ug/l	99
94) Hexachlorobutadiene	13.78	225	74354	51.345	ug/l	100
95) Naphthalene	13.83	128	430365	51.559	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	145509	50.145	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: VX011398.D

Acq: 09 Aug 2019 09:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 172092

Ion Ratio Lower Upper

168 100

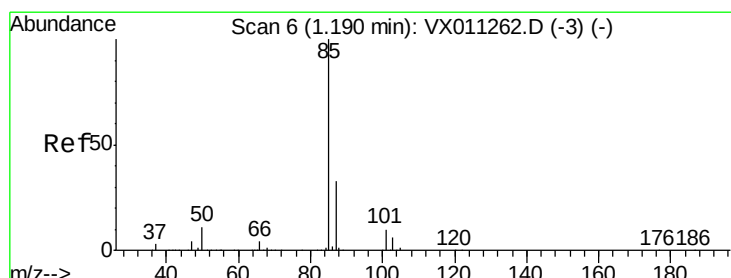
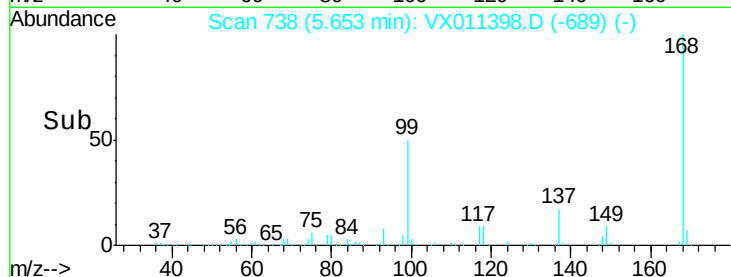
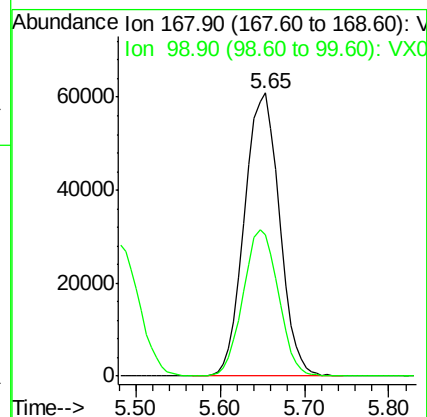
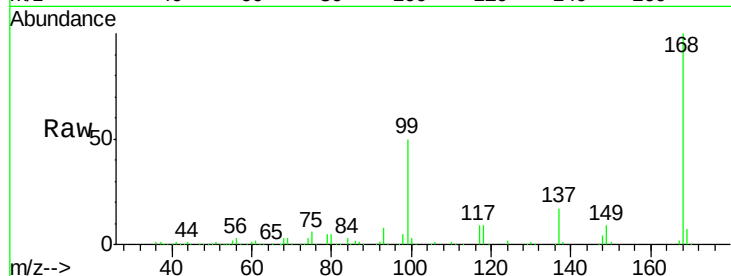
99 50.0 38.5 57.7

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 46.116 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011398.D

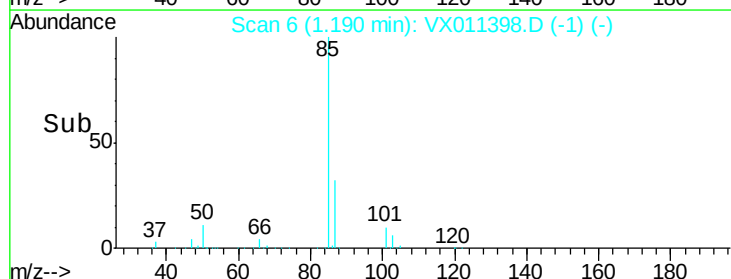
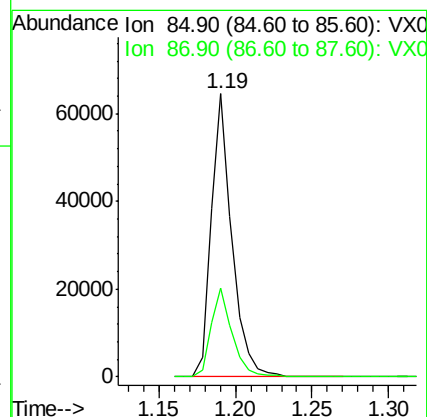
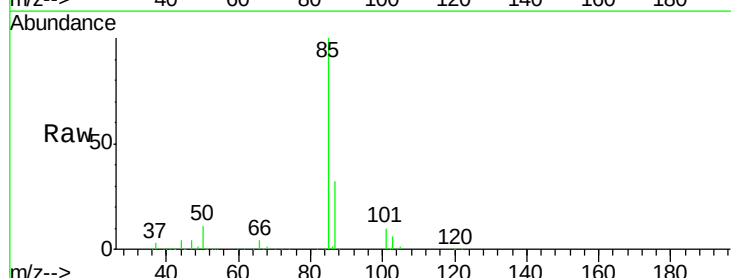
Acq: 09 Aug 2019 09:37

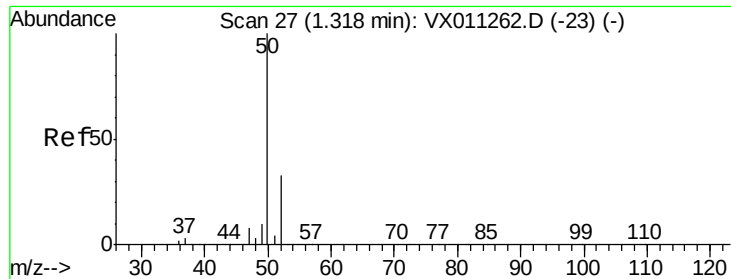
Tgt Ion: 85 Resp: 61294

Ion Ratio Lower Upper

85 100

87 31.6 16.4 49.1





#3

Chloromethane

Concen: 42.831 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011398.D

Acq: 09 Aug 2019 09:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 63928

Ion Ratio Lower Upper

50 100

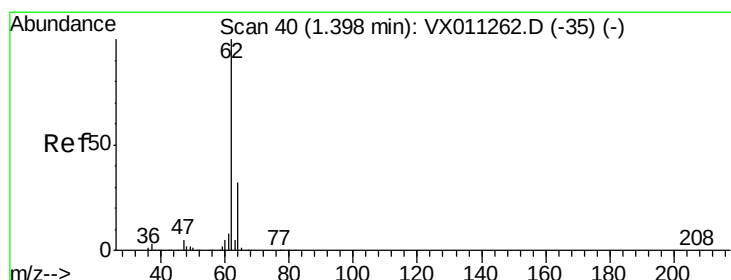
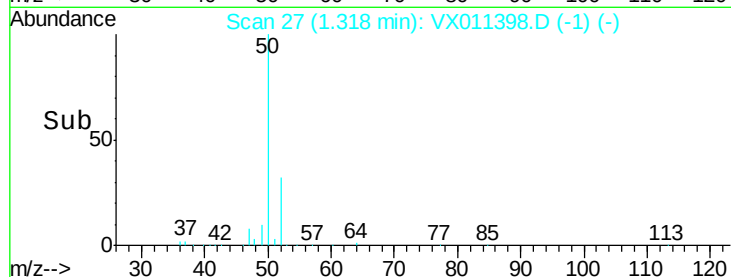
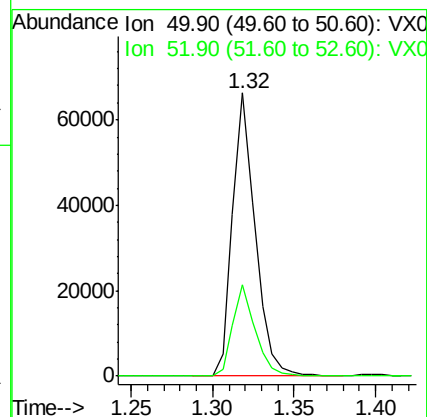
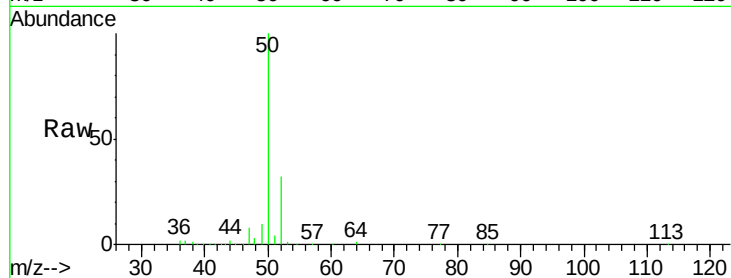
52 32.4 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 43.125 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.01 min

Lab File: VX011398.D

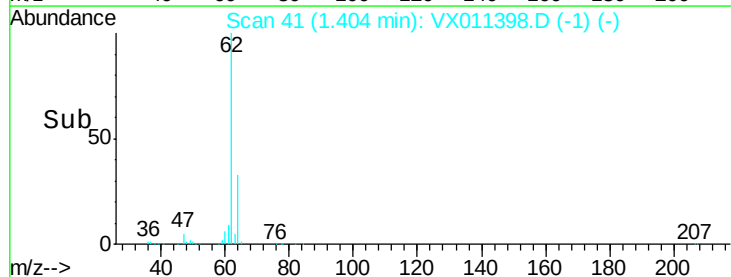
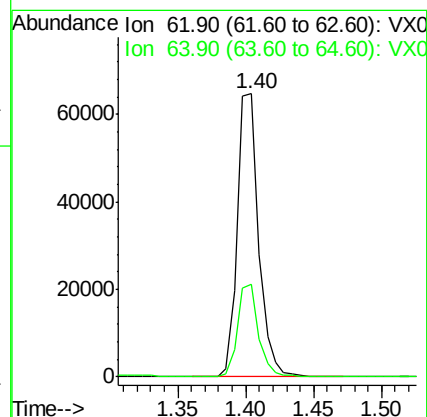
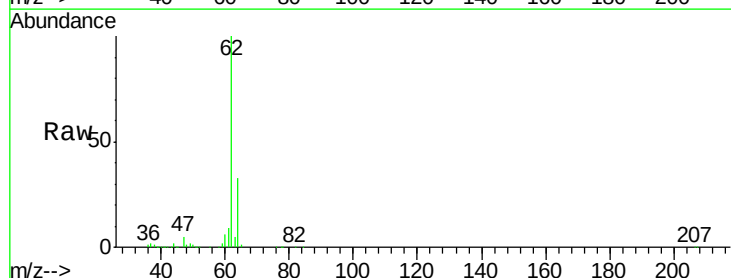
Acq: 09 Aug 2019 09:37

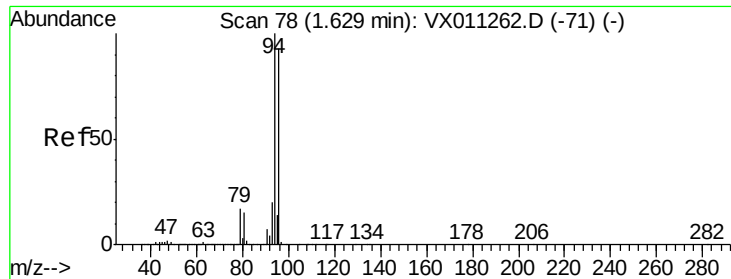
Tgt Ion: 62 Resp: 70803

Ion Ratio Lower Upper

62 100

64 32.8 26.0 39.0





#5

Bromomethane

Concen: 42.317 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011398.D

Acq: 09 Aug 2019 09:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 49550

Ion Ratio Lower Upper

94 100

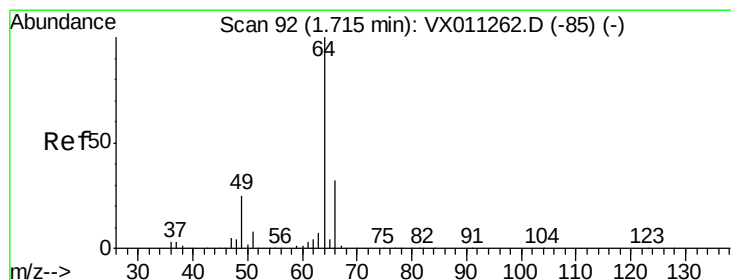
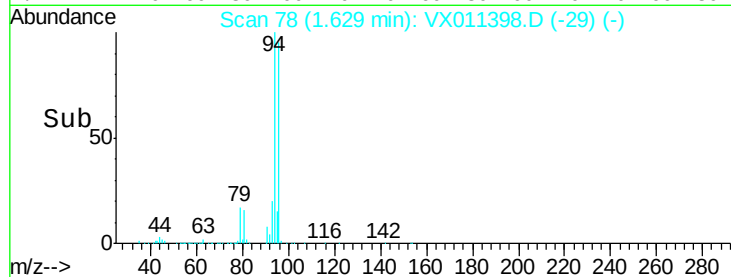
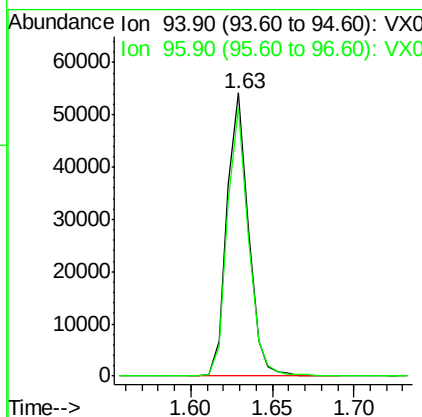
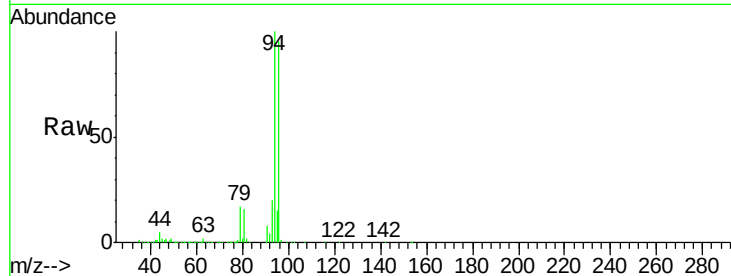
96 94.6 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 46.702 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX011398.D

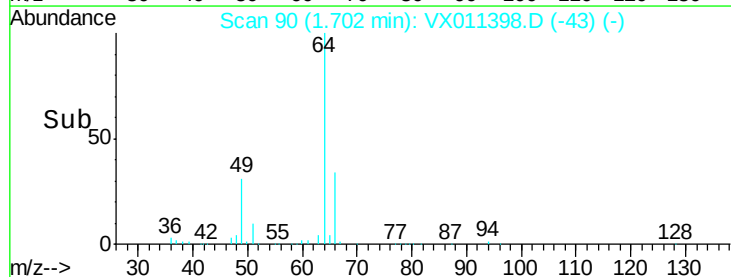
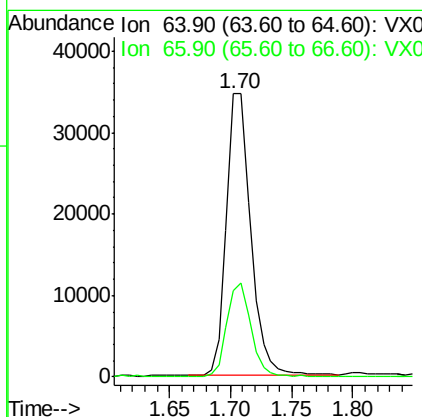
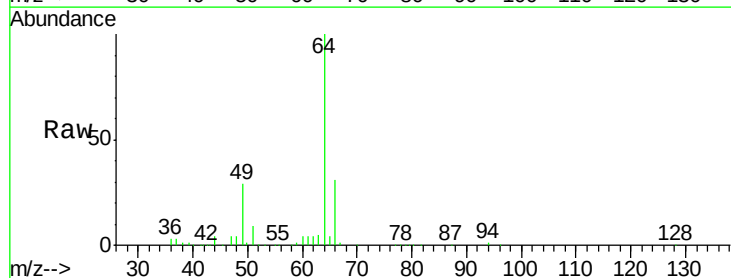
Acq: 09 Aug 2019 09:37

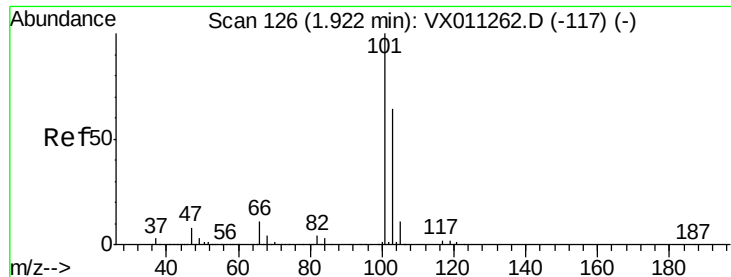
Tgt Ion: 64 Resp: 47646

Ion Ratio Lower Upper

64 100

66 30.6 25.1 37.7





#7

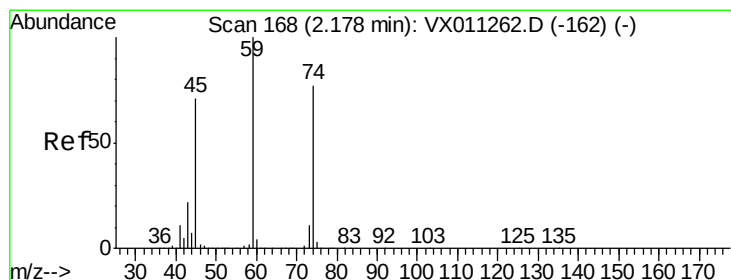
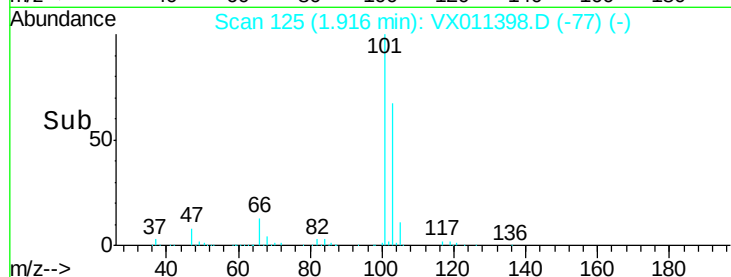
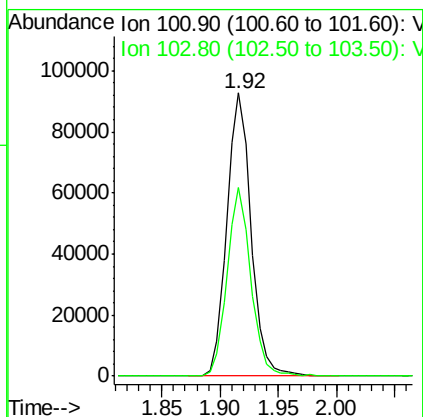
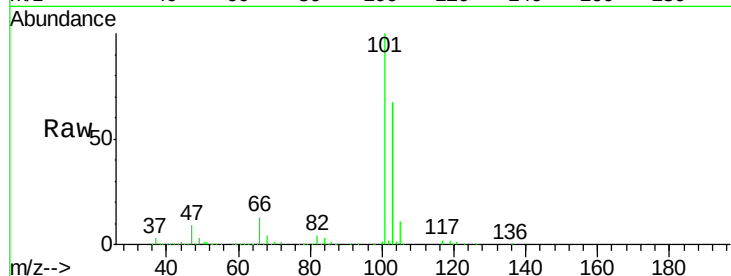
Trichlorofluoromethane
Concen: 45.970 ug/l
RT: 1.92 min Scan# 125
Delta R.T. -0.01 min
Lab File: VX011398.D
Acq: 09 Aug 2019 09:37

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.9	50.9	76.3

Manual Integrations
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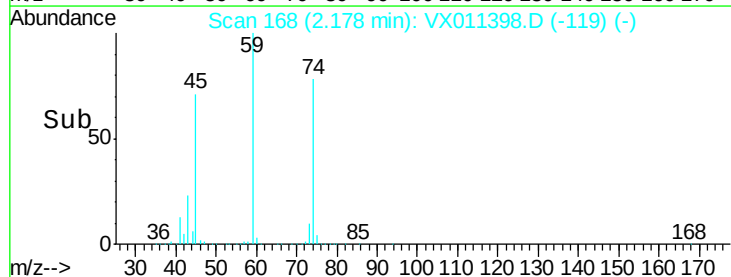
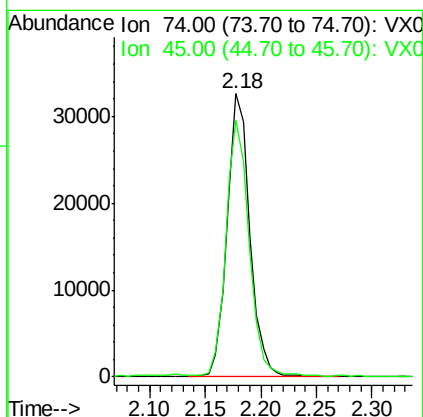
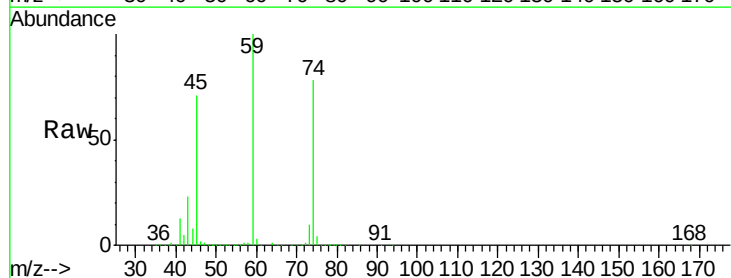
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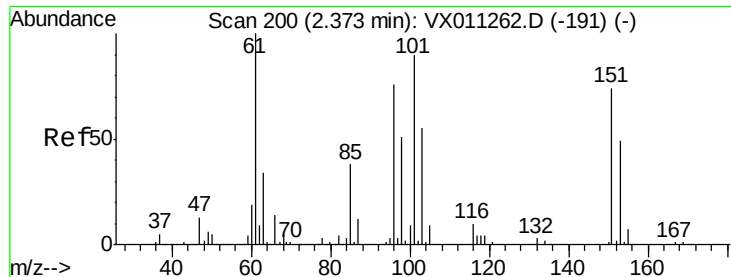


#8

Diethyl Ether
Concen: 44.301 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011398.D
Acq: 09 Aug 2019 09:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.5	46.1	138.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.133 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX011398.D

Acq: 09 Aug 2019 09:37

Instrument :

MSVOA_X

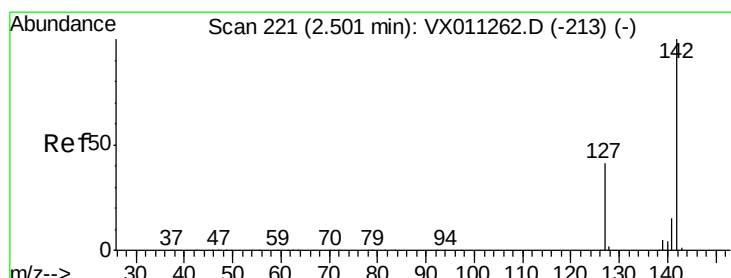
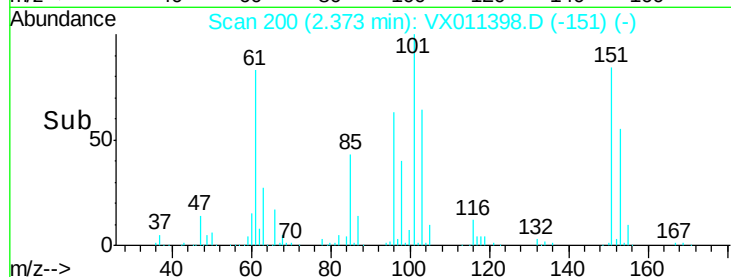
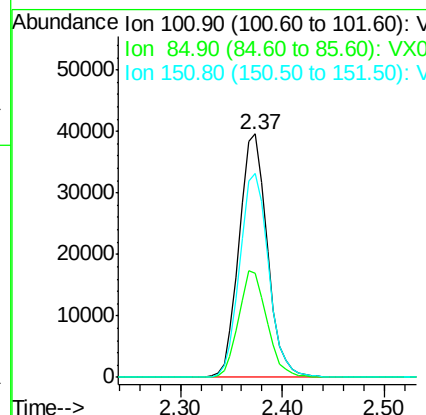
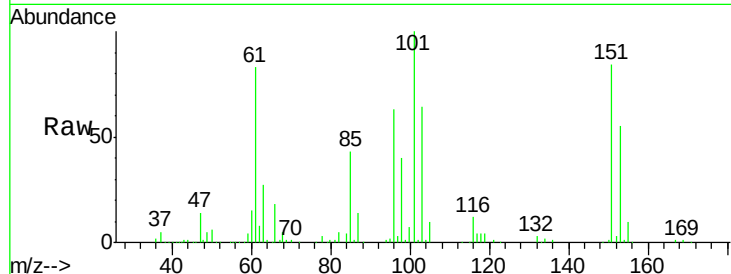
ClientSampled :

VSTDCCC050

Tot Ion:	101	Resp:	76028
Ion Ratio	Lower	Upper	
101	100		
85	44.1	33.8	50.6
151	85.6	69.5	104.3

Manual Integrations
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#10

Methyl Iodide

Concen: 46.234 ug/l

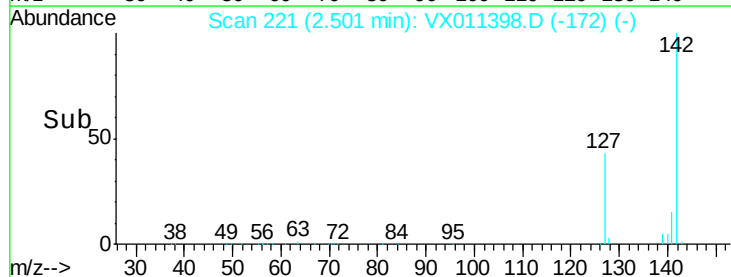
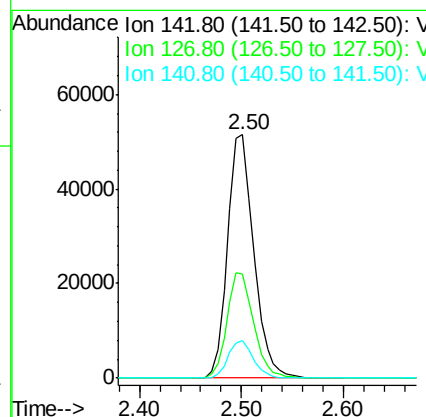
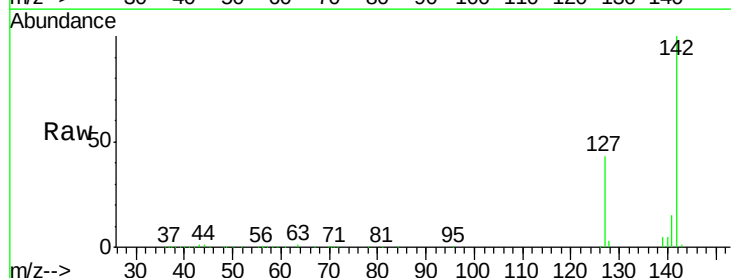
RT: 2.50 min Scan# 221

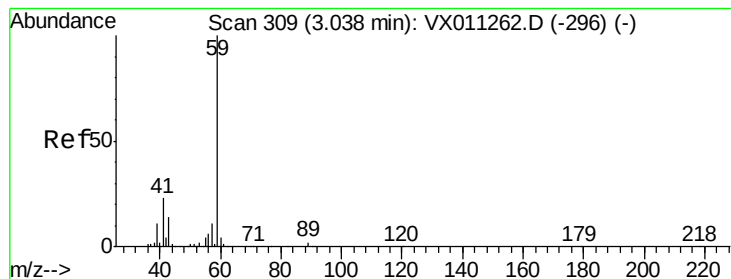
Delta R.T. 0.00 min

Lab File: VX011398.D

Acq: 09 Aug 2019 09:37

Tgt Ion:	142	Resp:	92070
Ion Ratio	Lower	Upper	
142	100		
127	44.1	33.8	50.8
141	14.7	11.4	17.2





#11

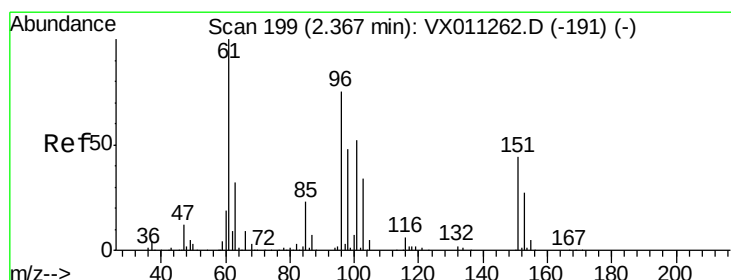
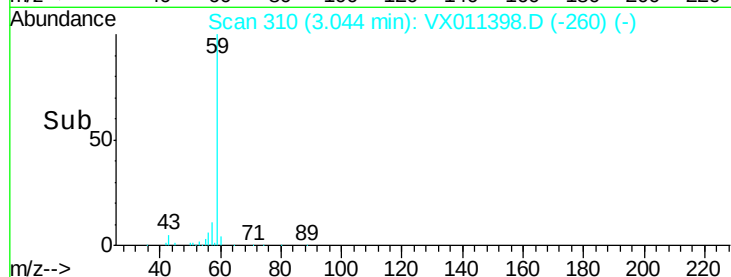
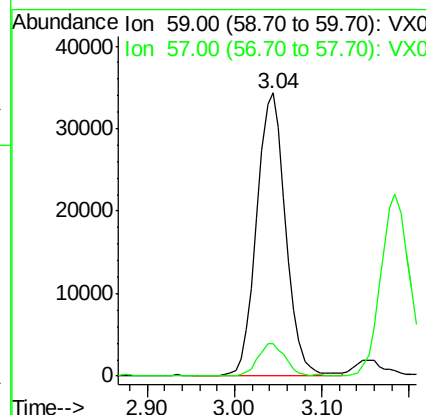
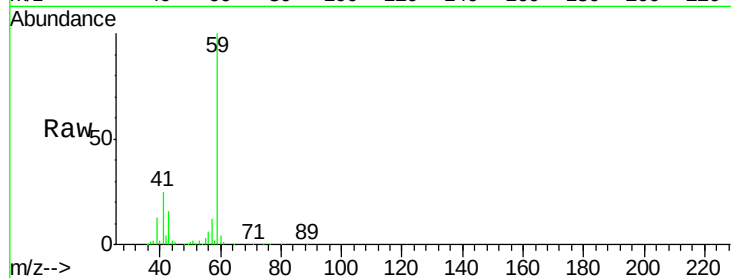
Tert butyl alcohol
Concen: 229.824 ug/l
RT: 3.04 min Scan# 310
Delta R.T. 0.01 min
Lab File: VX011398.D
Acq: 09 Aug 2019 09:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.3	12.5

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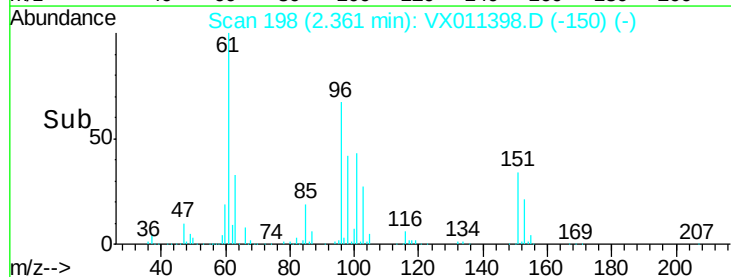
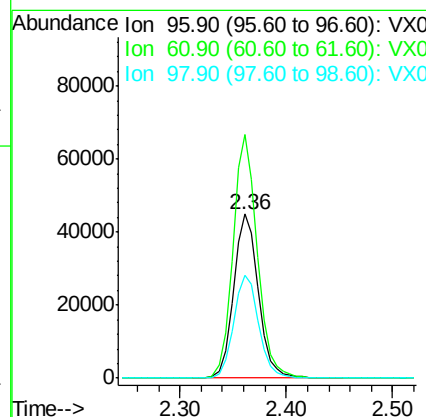
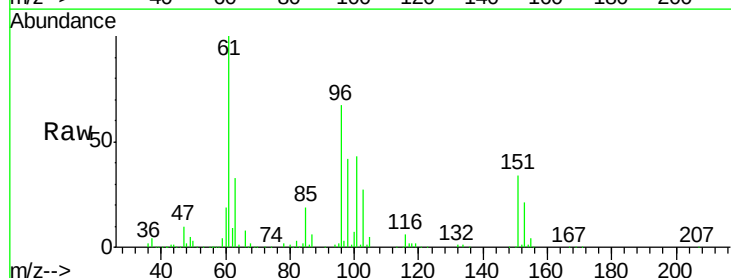
MMDadoda
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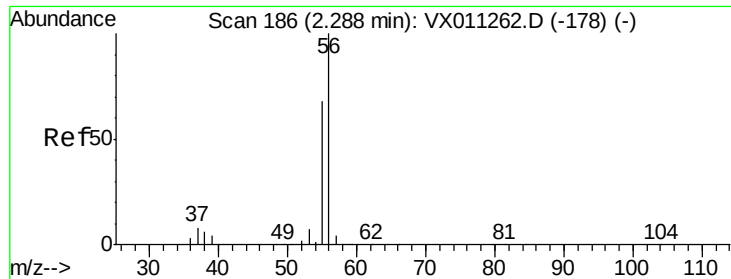


#12

1,1-Dichloroethene
Concen: 46.607 ug/l
RT: 2.36 min Scan# 198
Delta R.T. -0.01 min
Lab File: VX011398.D
Acq: 09 Aug 2019 09:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.4	106.2	159.2
98	62.5	50.6	75.8





#13

Acrolein

Concen: 323.601 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX011398.D

Acq: 09 Aug 2019 09:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 69472

Ion Ratio Lower Upper

56 100

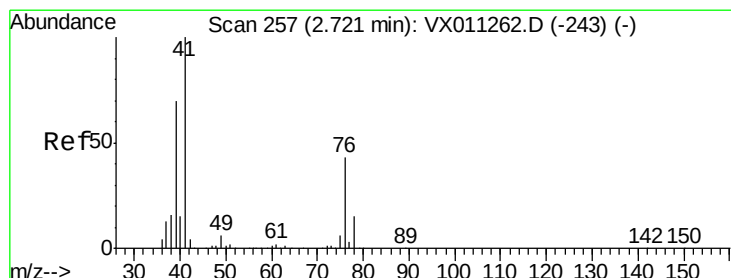
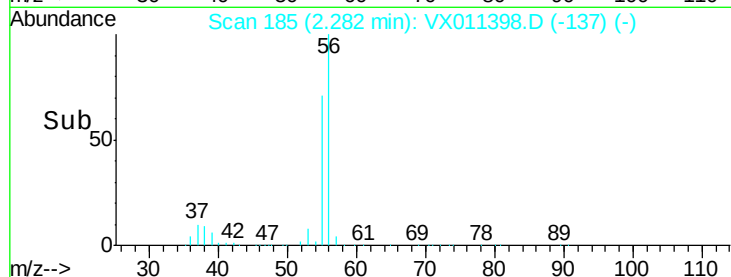
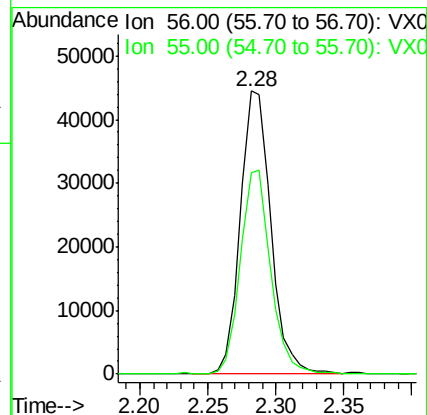
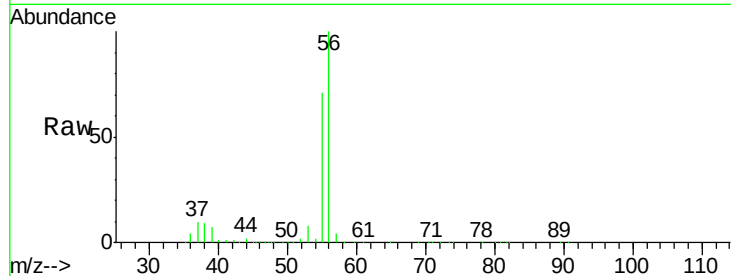
55 72.0 56.0 84.0

Manual Integrations

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#14

Allyl chloride

Concen: 52.165 ug/l

RT: 2.71 min Scan# 256

Delta R.T. -0.01 min

Lab File: VX011398.D

Acq: 09 Aug 2019 09:37

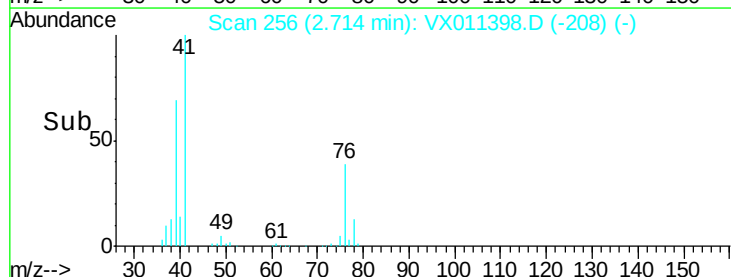
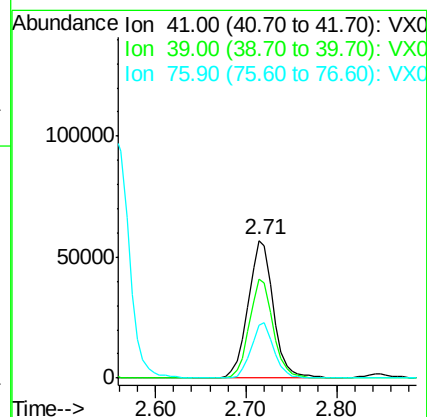
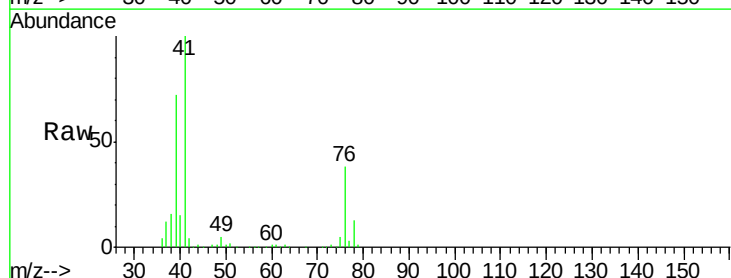
Tgt Ion: 41 Resp: 108888

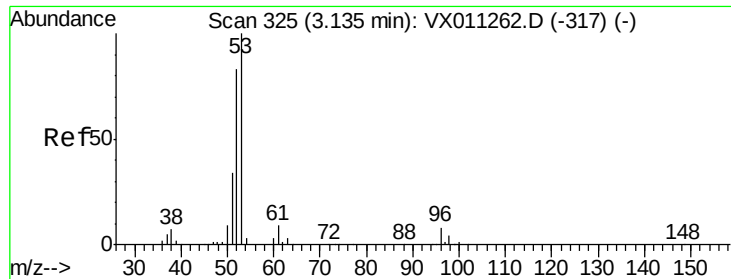
Ion Ratio Lower Upper

41 100

39 67.7 52.8 79.2

76 36.7 31.1 46.7





#15

Acrylonitrile

Concen: 242.790 ug/l

RT: 3.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX011398.D

Acq: 09 Aug 2019 09:37

Instrument :

MSVOA_X

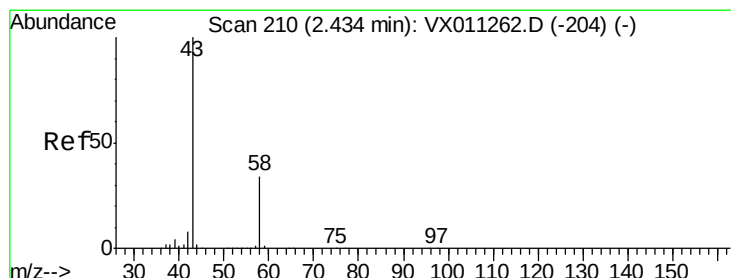
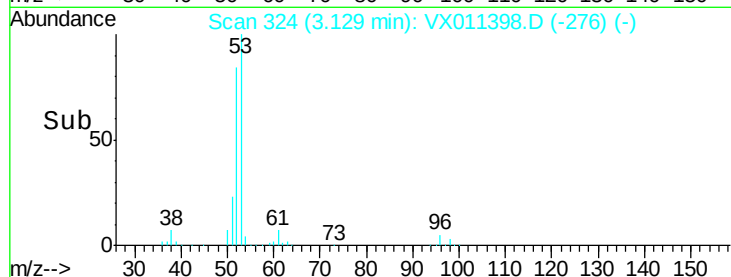
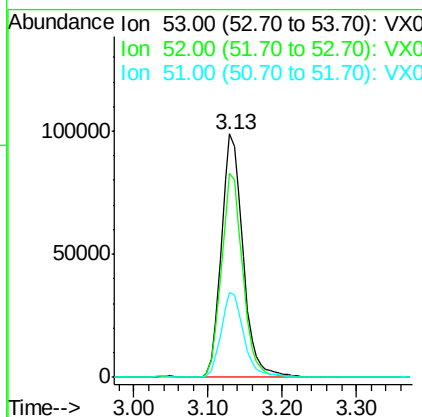
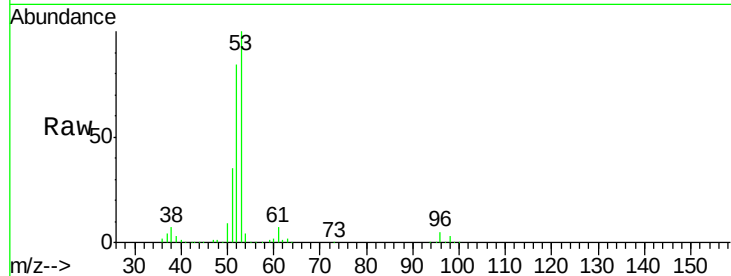
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	200225
Ion Ratio	Lower	Upper	
53	100		
52	82.4	65.5	98.3
51	36.6	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 290.984 ug/l

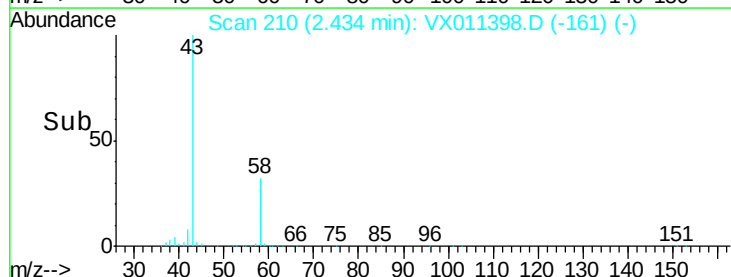
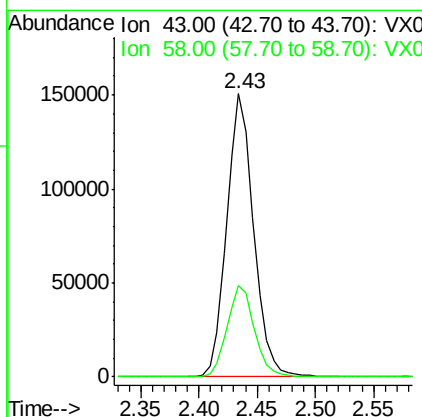
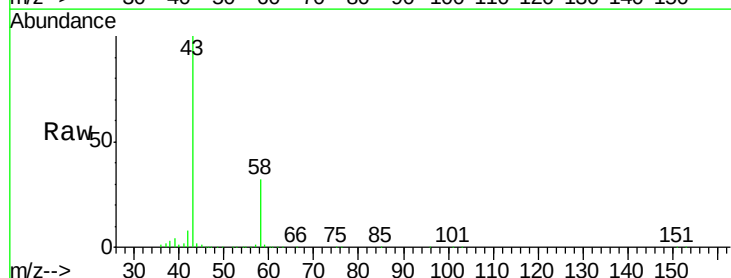
RT: 2.43 min Scan# 210

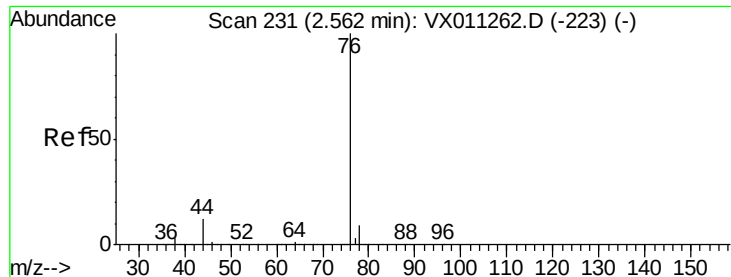
Delta R.T. 0.00 min

Lab File: VX011398.D

Acq: 09 Aug 2019 09:37

Tgt Ion:	43	Resp:	240033
Ion Ratio	Lower	Upper	
43	100		
58	32.3	27.4	41.0





#17

Carbon Disulfide

Concen: 45.702 ug/l

RT: 2.56 min Scan# 230

Delta R.T. -0.01 min

Lab File: VX011398.D

Acq: 09 Aug 2019 09:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 167923

Ion Ratio Lower Upper

76 100

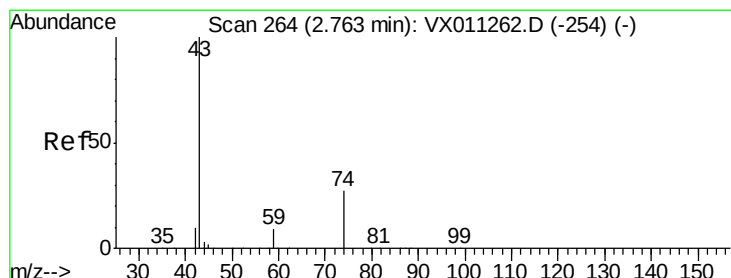
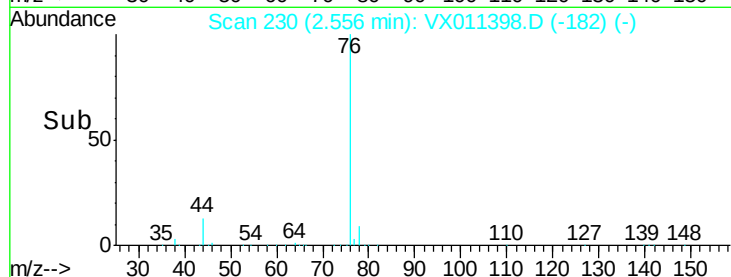
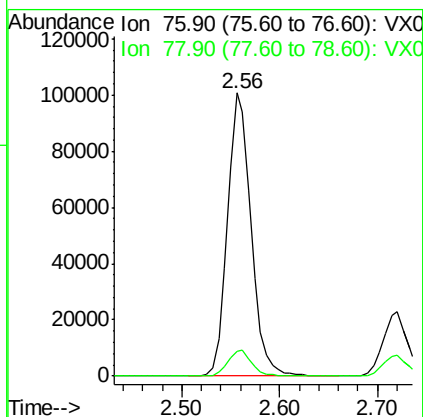
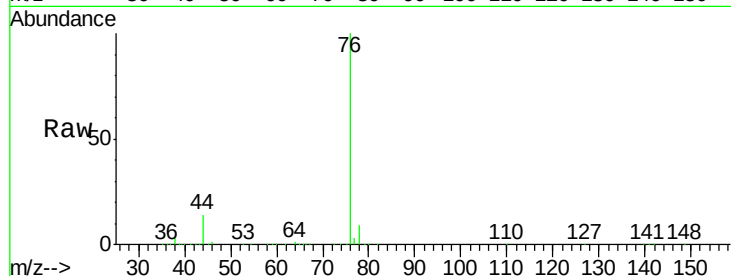
78 8.9 7.4 11.0

Manual Integrations

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#18

Methyl Acetate

Concen: 49.115 ug/l

RT: 2.76 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011398.D

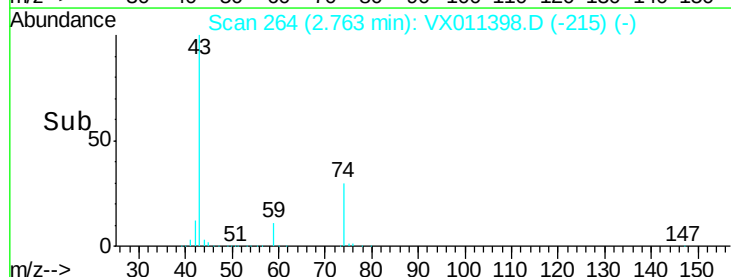
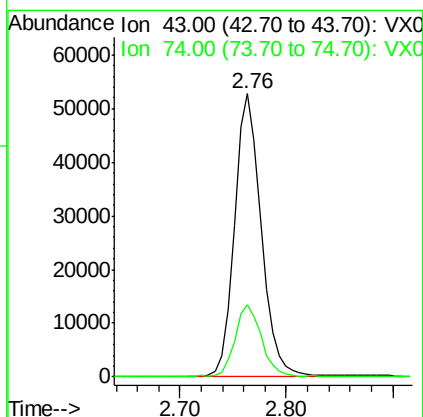
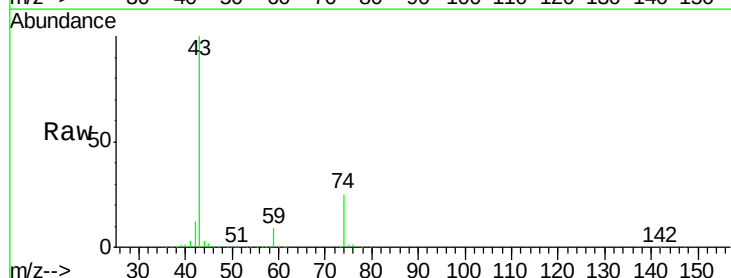
Acq: 09 Aug 2019 09:37

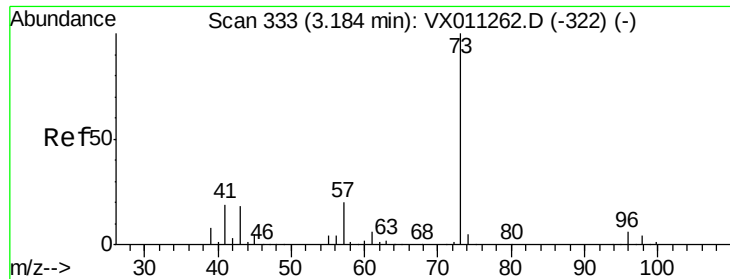
Tgt Ion: 43 Resp: 92589

Ion Ratio Lower Upper

43 100

74 26.1 21.0 31.6





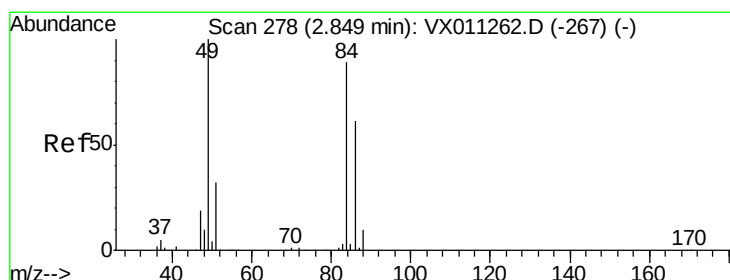
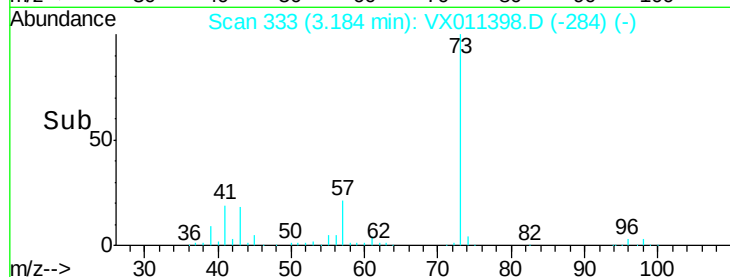
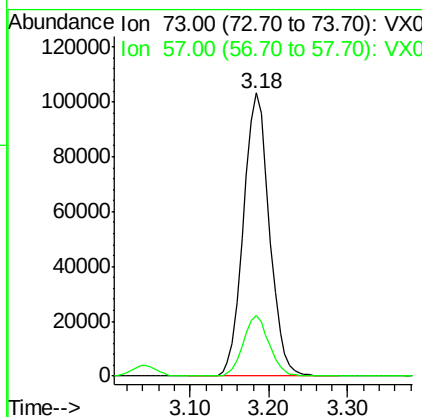
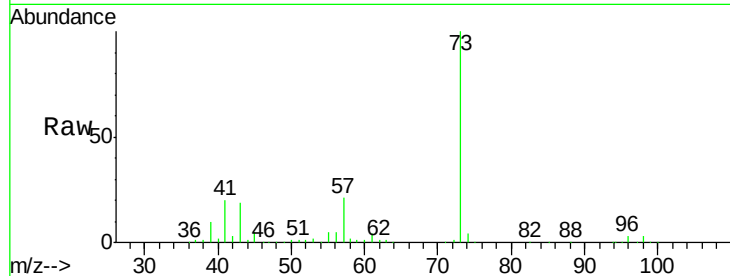
#19
Methyl tert-butyl Ether
Concen: 51.325 ug/l
RT: 3.18 min Scan# 333
Delta R.T. 0.00 min
Lab File: VX011398.D
Acq: 09 Aug 2019 09:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.4	16.2	24.2

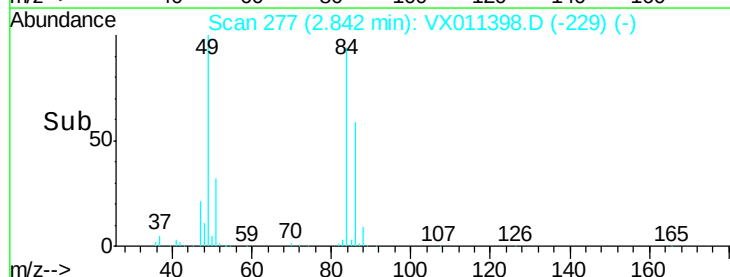
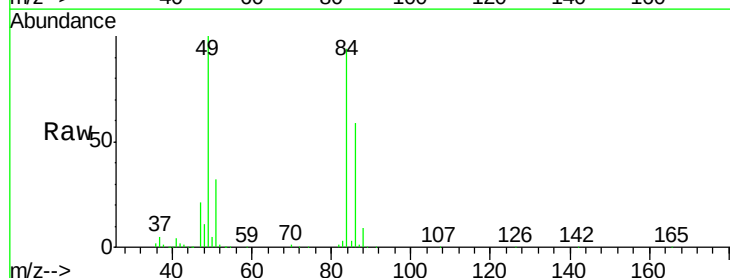
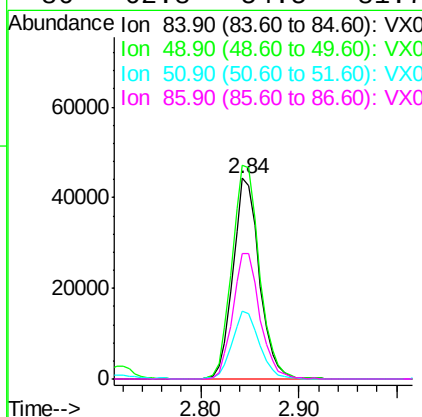
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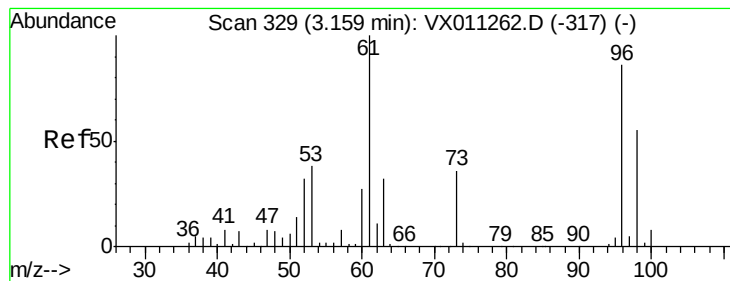
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#20
Methylene Chloride
Concen: 46.020 ug/l
RT: 2.84 min Scan# 277
Delta R.T. -0.01 min
Lab File: VX011398.D
Acq: 09 Aug 2019 09:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	106.5	89.3	133.9
51	33.8	28.3	42.5
86	62.8	54.5	81.7





#21

trans-1,2-Dichloroethene

Concen: 47.315 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.01 min

Lab File: VX011398.D

Acq: 09 Aug 2019 09:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 78367

Ion Ratio Lower Upper

96 100

61 127.5 92.8 139.2

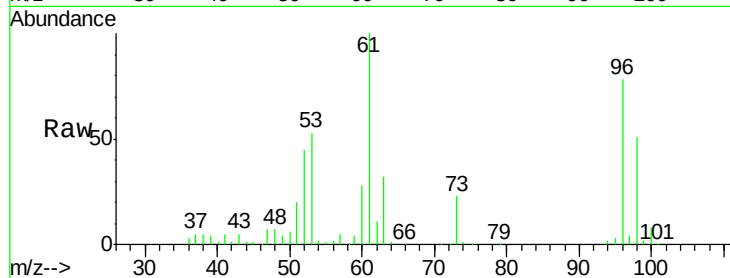
98 64.7 51.2 76.8

Manual Integrations

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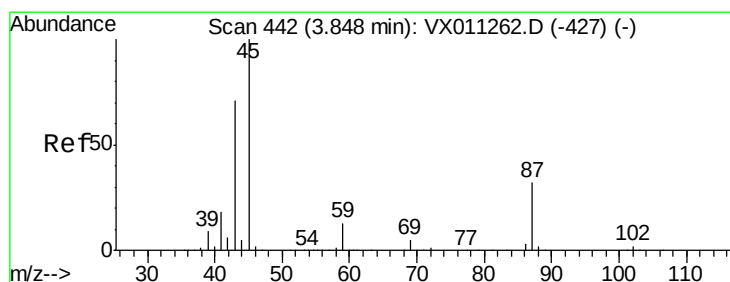
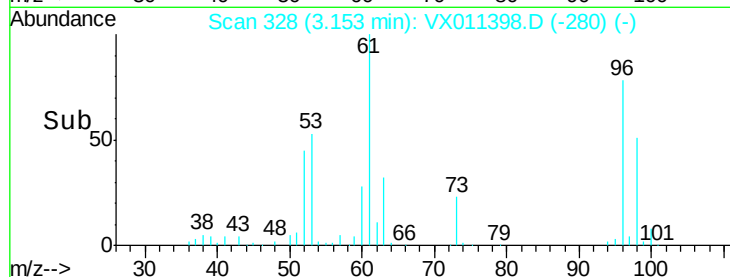
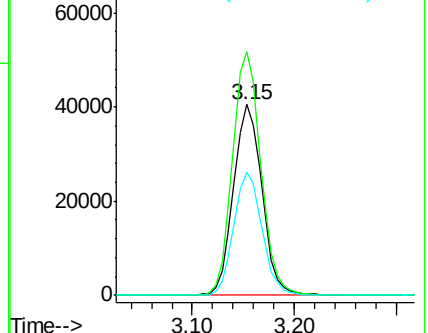
8/12/2019 12:49:41 PM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 50.786 ug/l

RT: 3.84 min Scan# 441

Delta R.T. -0.01 min

Lab File: VX011398.D

Acq: 09 Aug 2019 09:37

Tgt Ion: 45 Resp: 232989

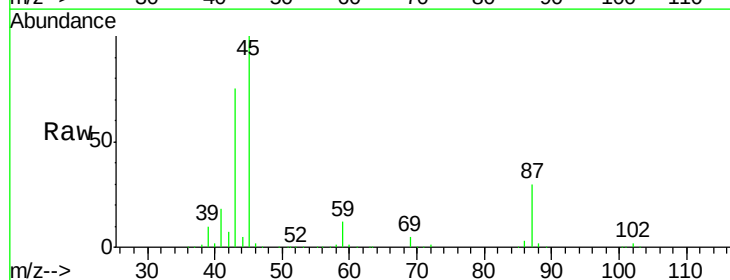
Ion Ratio Lower Upper

45 100

43 74.4 56.8 85.2

87 29.8 25.8 38.6

59 12.0 10.3 15.5

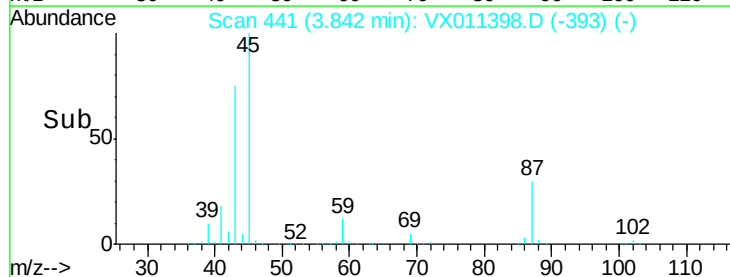
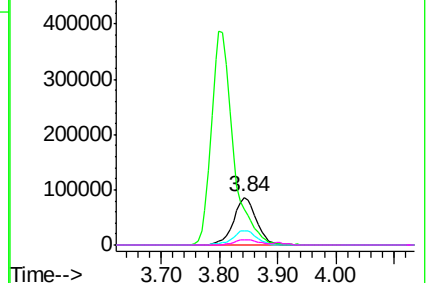


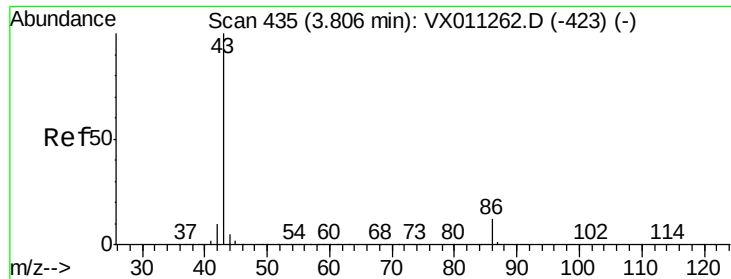
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 264.660 ug/l

RT: 3.80 min Scan# 434

Delta R.T. -0.01 min

Lab File: VX011398.D

Acq: 09 Aug 2019 09:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1007046

Ion Ratio Lower Upper

43 100

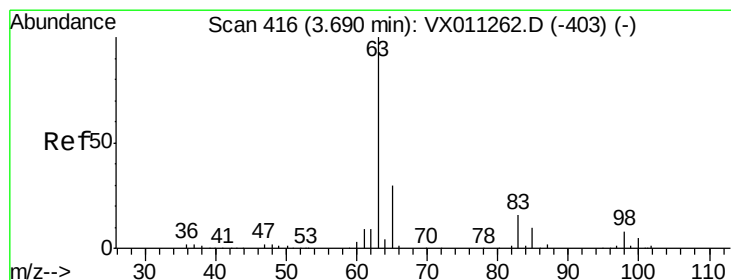
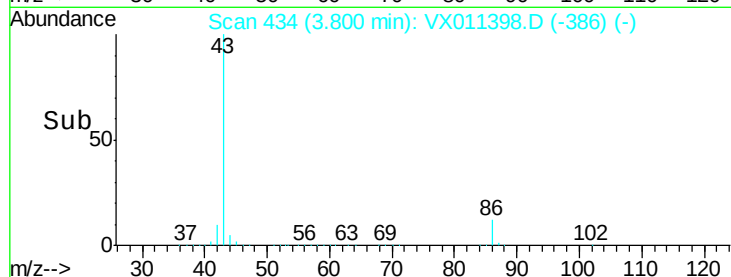
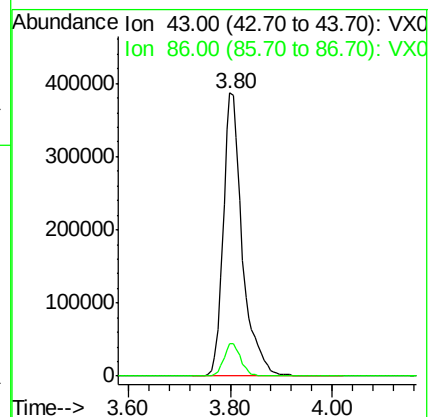
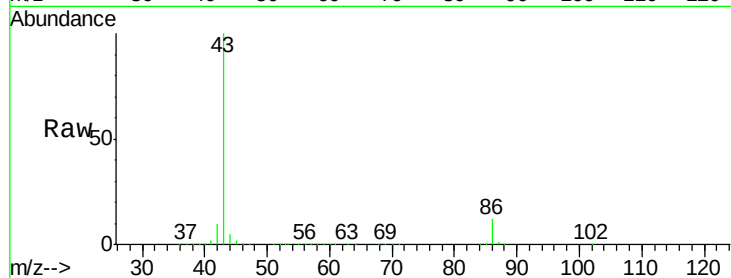
86 11.6 9.6 14.4

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#24

1,1-Dichloroethane

Concen: 49.379 ug/l

RT: 3.68 min Scan# 415

Delta R.T. -0.01 min

Lab File: VX011398.D

Acq: 09 Aug 2019 09:37

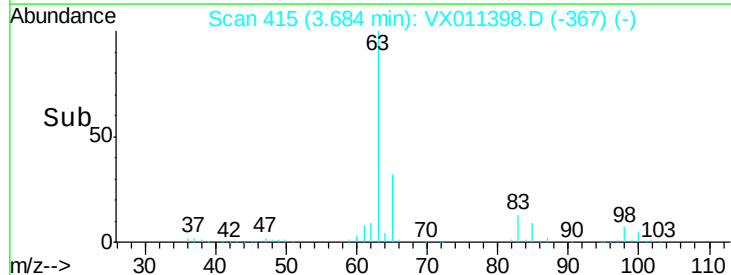
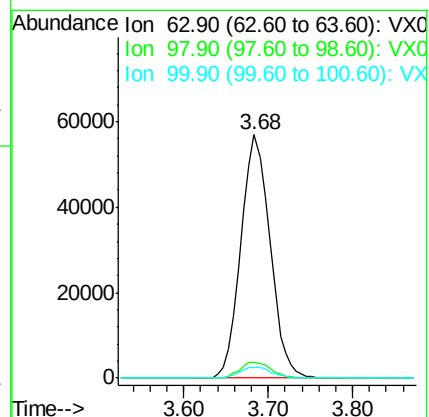
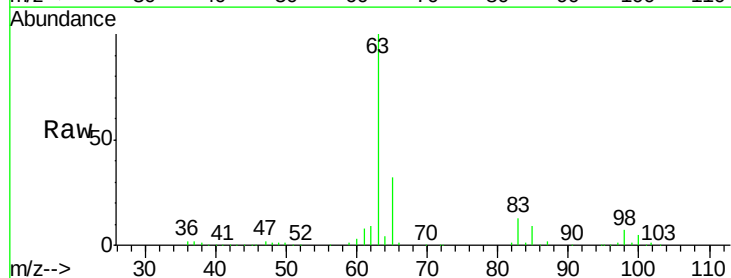
Tgt Ion: 63 Resp: 133580

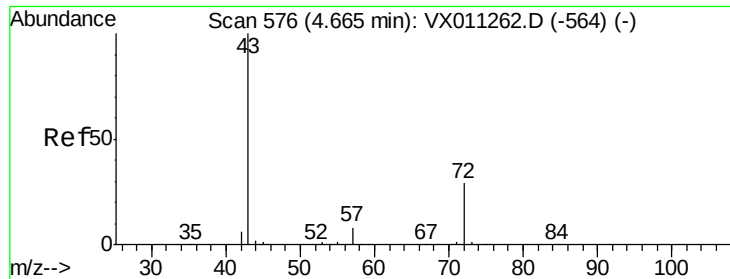
Ion Ratio Lower Upper

63 100

98 6.6 3.9 11.5

100 4.6 2.7 8.1





#25

2-Butanone

Concen: 262.202 ug/l

RT: 4.66 min Scan# 575

Delta R.T. -0.01 min

Lab File: VX011398.D

Acq: 09 Aug 2019 09:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 307674

Ion Ratio Lower Upper

43 100

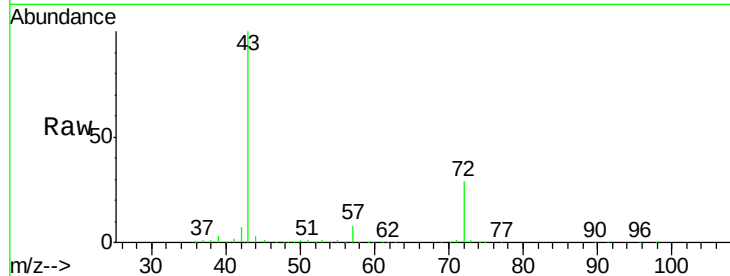
72 28.5 23.2 34.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

120000

100000

80000

60000

40000

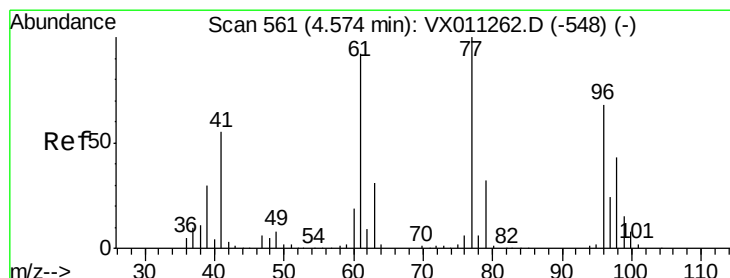
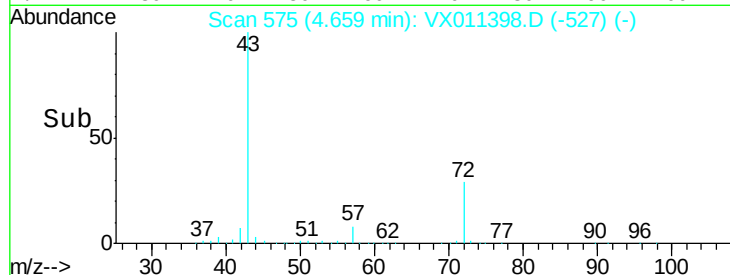
20000

0

4.66

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 54.142 ug/l

RT: 4.57 min Scan# 560

Delta R.T. -0.01 min

Lab File: VX011398.D

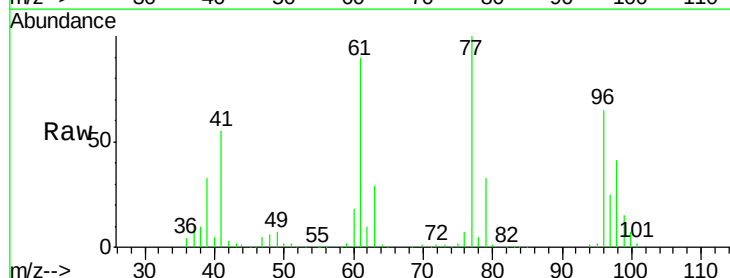
Acq: 09 Aug 2019 09:37

Tgt Ion: 77 Resp: 113855

Ion Ratio Lower Upper

77 100

97 24.7 12.8 38.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

20000

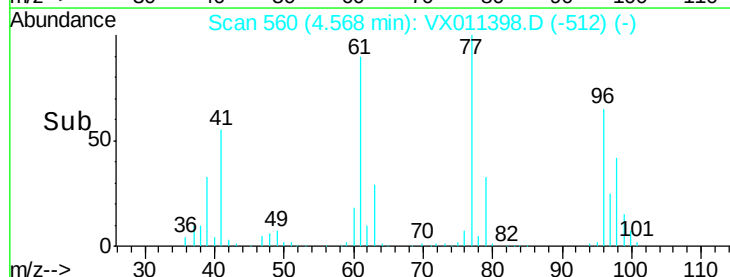
10000

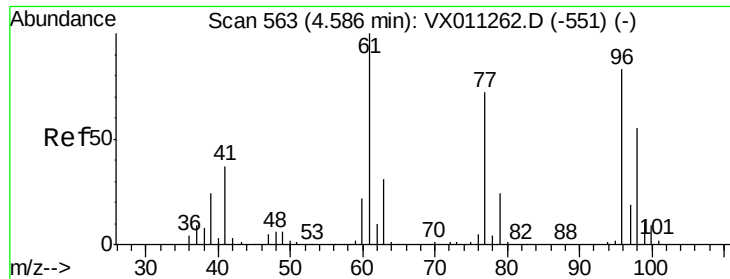
0

4.57

4.40 4.50 4.60 4.70

Time-->





#27

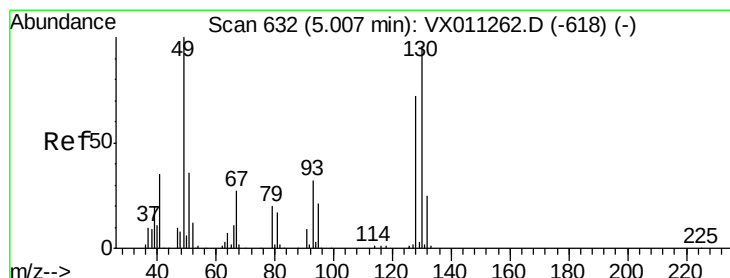
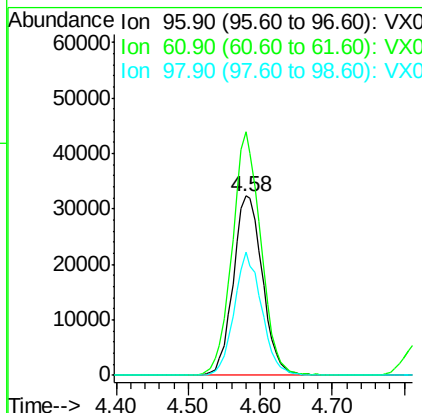
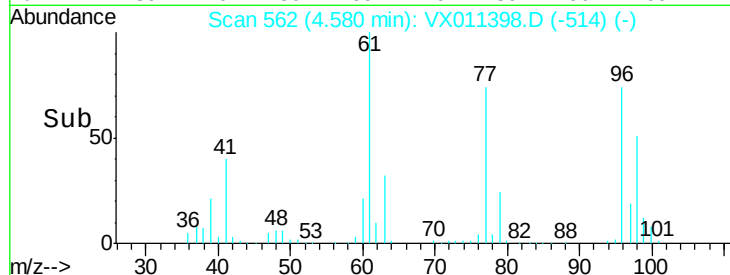
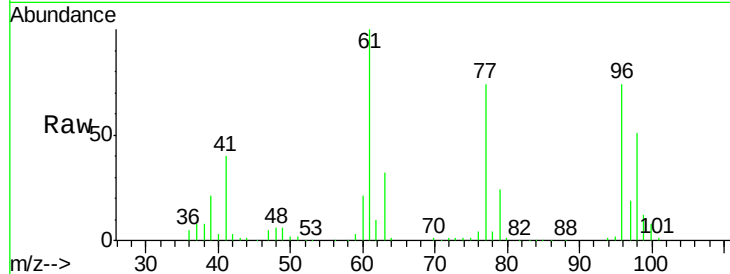
cis-1,2-Dichloroethene
Concen: 47.710 ug/l
RT: 4.58 min Scan# 562
Delta R.T. -0.01 min
Lab File: VX011398.D
Acq: 09 Aug 2019 09:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	91019		
61	133.4	0.0	260.2	
98	64.4	0.0	133.2	

Manual Integrations
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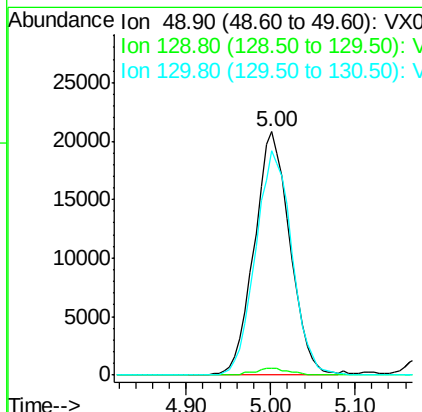
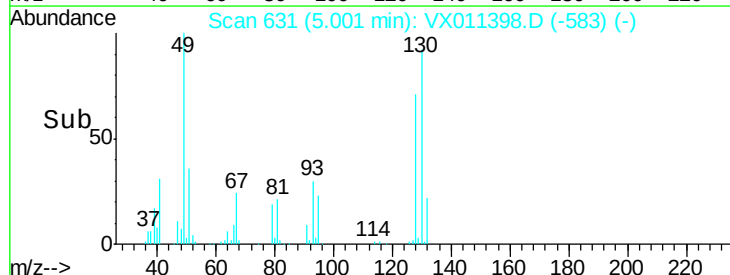
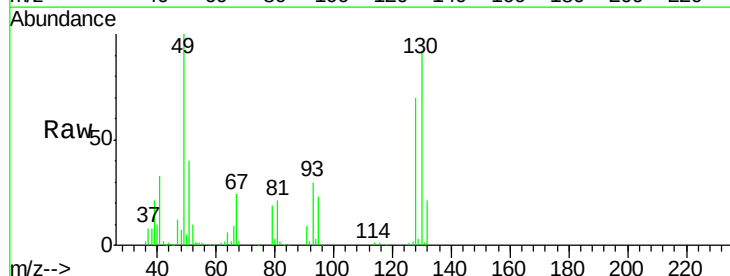
MMDadoda
8/12/2019 12:49:41 PM

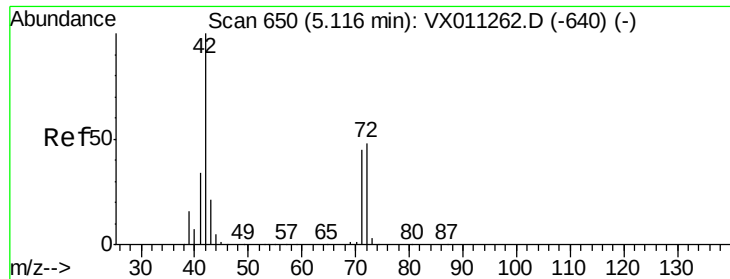


#28

Bromochloromethane
Concen: 48.897 ug/l
RT: 5.00 min Scan# 631
Delta R.T. -0.01 min
Lab File: VX011398.D
Acq: 09 Aug 2019 09:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	60302		
129	2.7	0.0	5.8	
130	94.3	77.9	116.9	





#29

Tetrahydrofuran

Concen: 240.274 ug/l

RT: 5.12 min Scan# 650

Delta R.T. 0.00 min

Lab File: VX011398.D

Acq: 09 Aug 2019 09:37

Instrument :

MSVOA_X

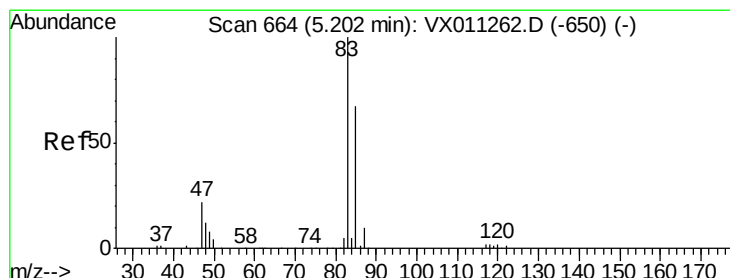
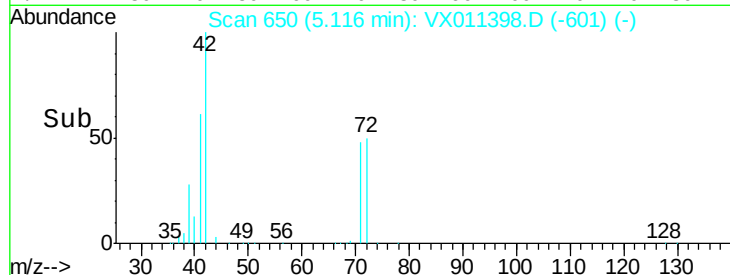
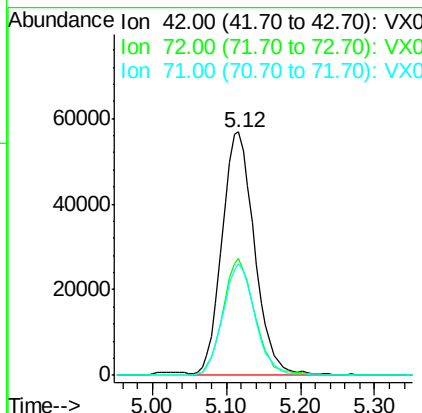
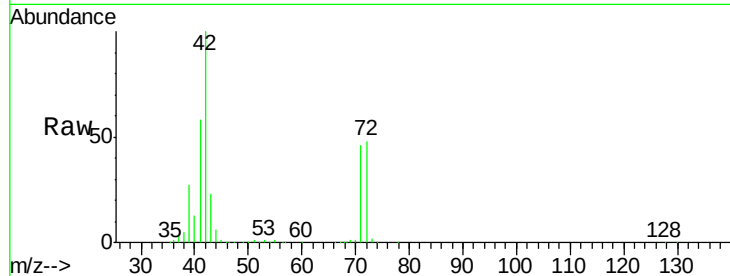
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	172873
Ion	Ratio	Lower	Upper
42	100		
72	47.7	39.9	59.9
71	45.5	36.9	55.3

Manual Integrations
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#30

Chloroform

Concen: 51.250 ug/l

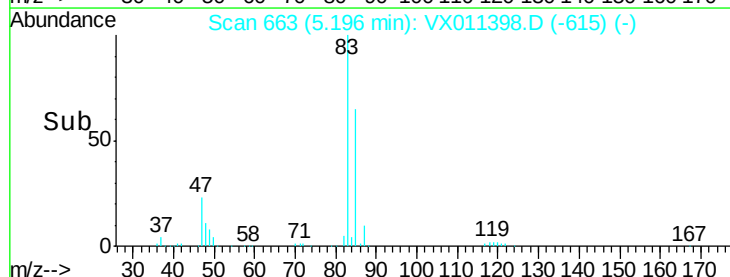
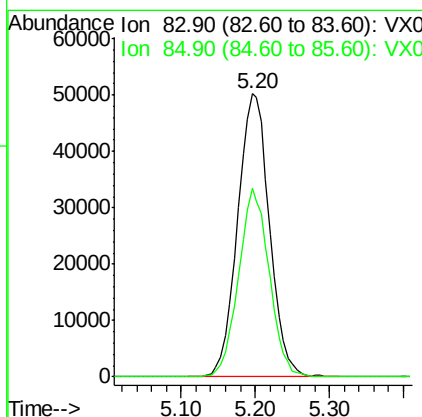
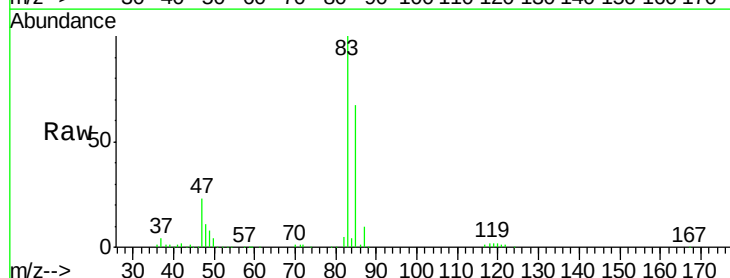
RT: 5.20 min Scan# 663

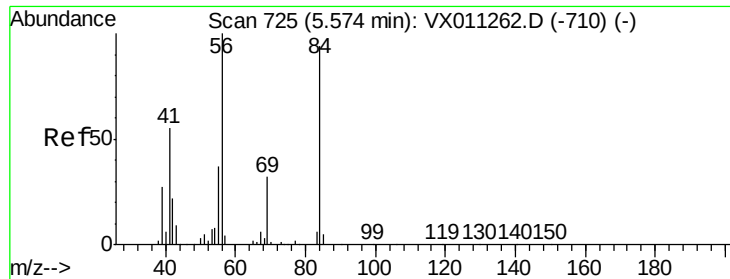
Delta R.T. -0.01 min

Lab File: VX011398.D

Acq: 09 Aug 2019 09:37

Tgt Ion:	83	Resp:	150684
Ion	Ratio	Lower	Upper
83	100		
85	66.7	53.4	80.0





#31

Cyclohexane

Concen: 49.015 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX011398.D

Acq: 09 Aug 2019 09:37

Instrument :

MSVOA_X

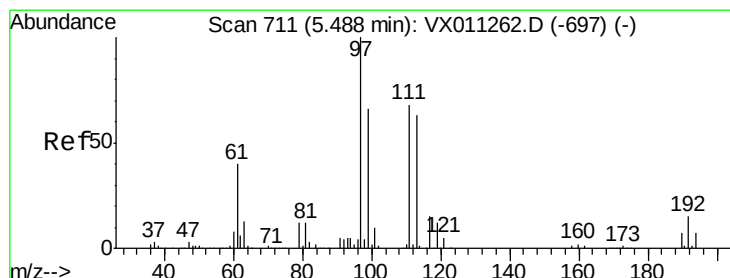
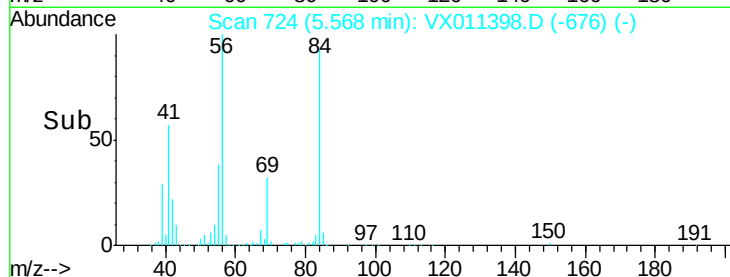
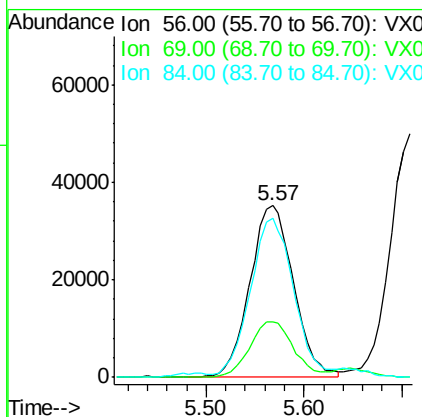
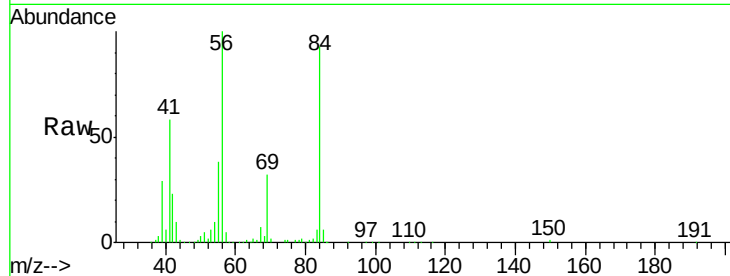
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	109392
Ion	Ratio	Lower	Upper
56	100		
69	32.4	25.5	38.3
84	91.0	75.0	112.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 52.072 ug/l

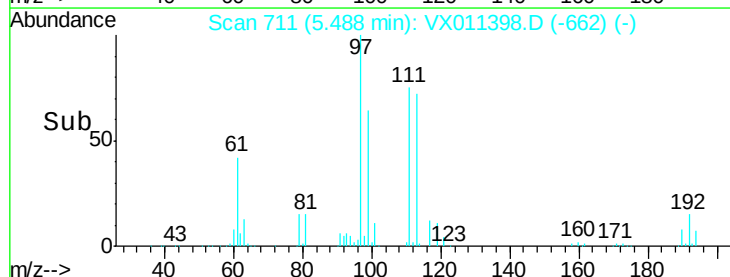
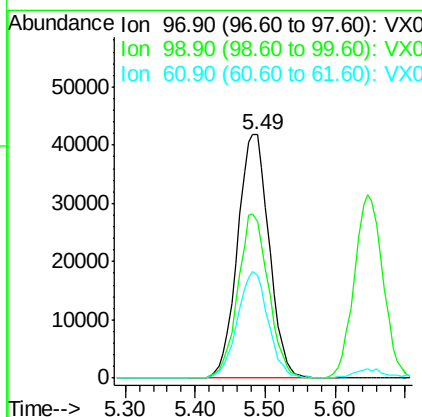
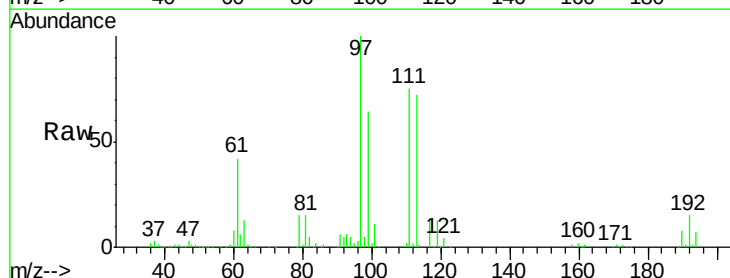
RT: 5.49 min Scan# 711

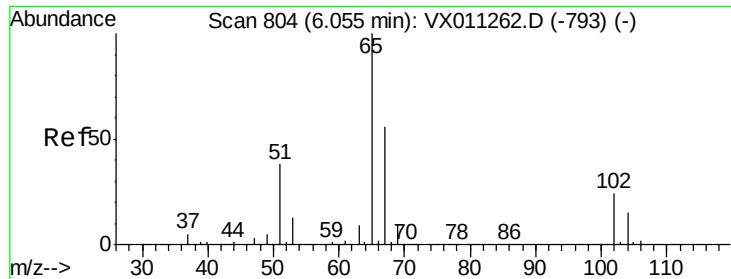
Delta R.T. 0.00 min

Lab File: VX011398.D

Acq: 09 Aug 2019 09:37

Tgt Ion:	97	Resp:	131153
Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.6	77.4
61	42.8	32.3	48.5





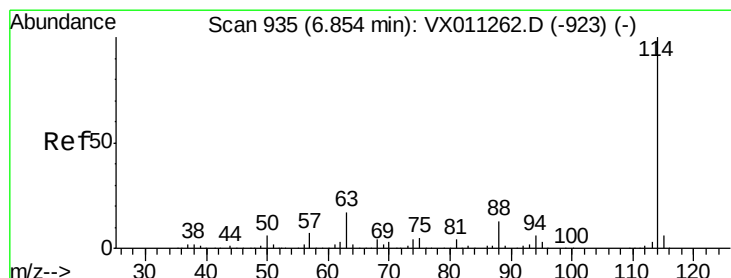
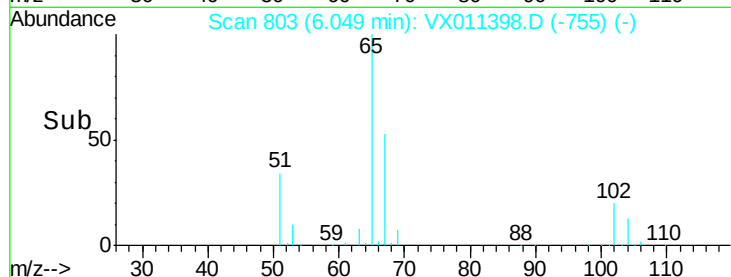
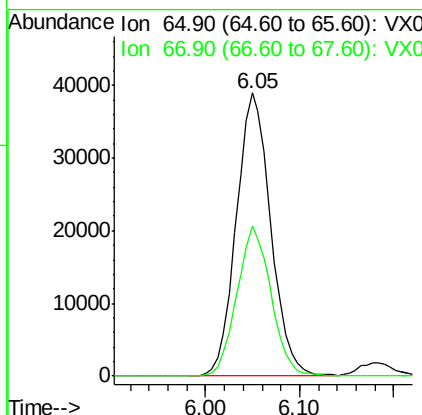
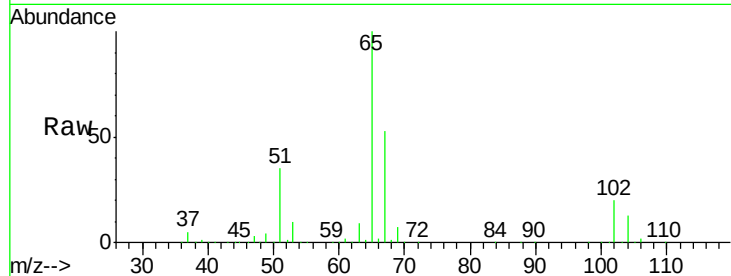
#33
 1,2-Dichloroethane-d4
 Concen: 57.362 ug/l
 RT: 6.05 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: VX011398.D
 Acq: 09 Aug 2019 09:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 99411
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 110.6

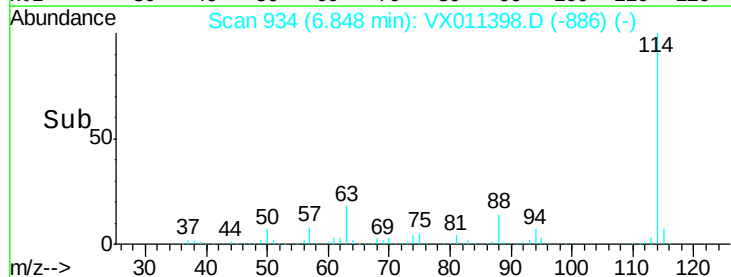
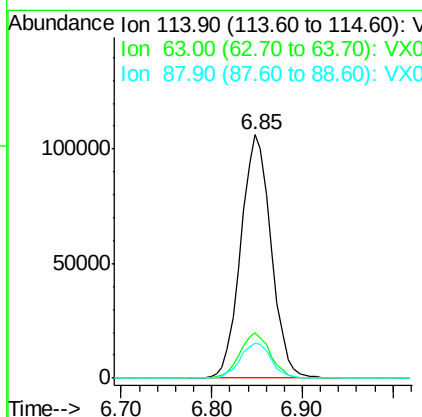
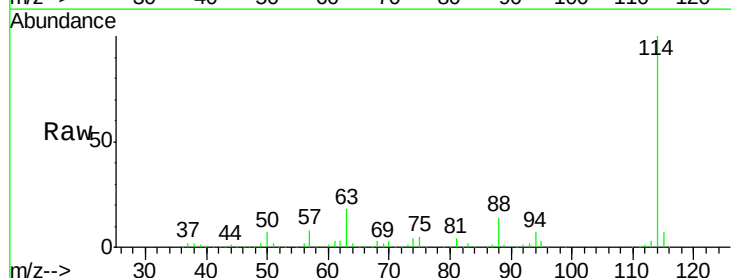
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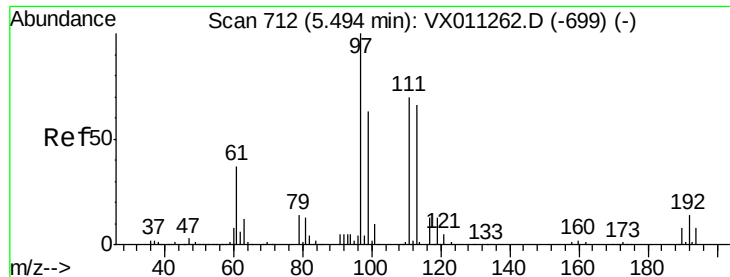
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 934
 Delta R.T. -0.01 min
 Lab File: VX011398.D
 Acq: 09 Aug 2019 09:37

Tgt Ion: 114 Resp: 245765
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 34.0
 88 14.2 0.0 26.4





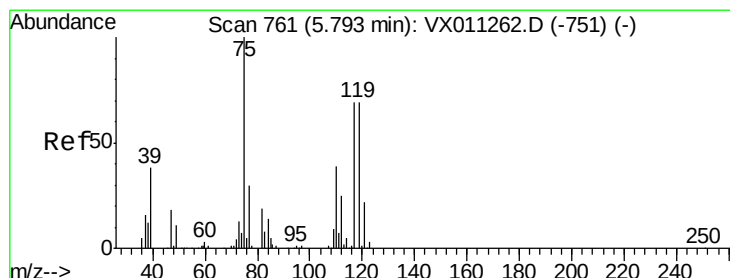
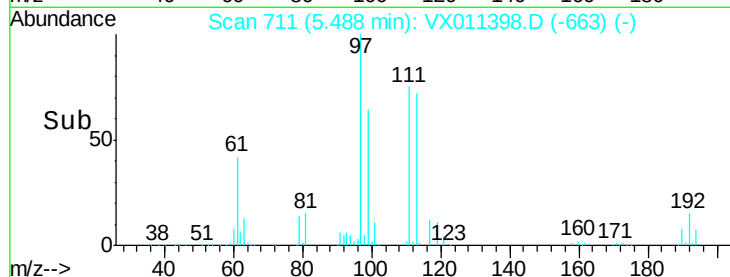
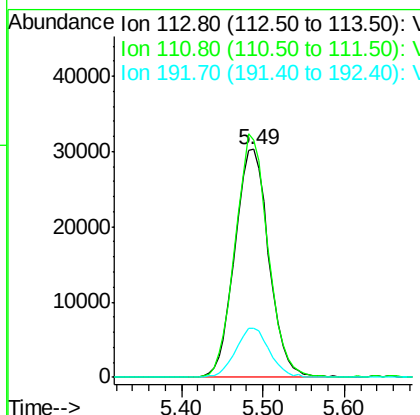
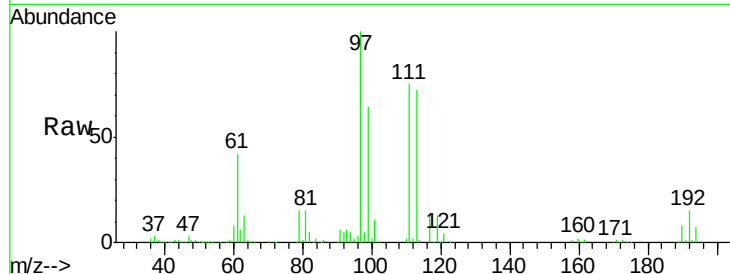
#35
 Dibromofluoromethane
 Concen: 54.642 ug/l
 RT: 5.49 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VX011398.D
 Acq: 09 Aug 2019 09:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	87676		
111	103.0		81.9	122.9
192	21.5		17.8	26.8

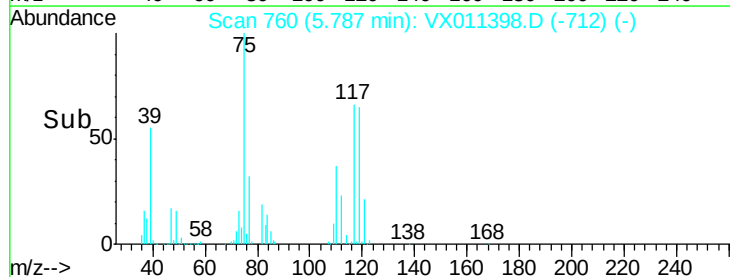
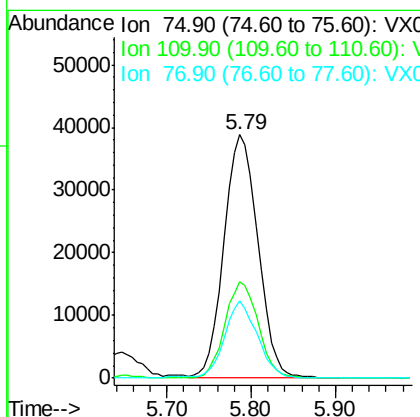
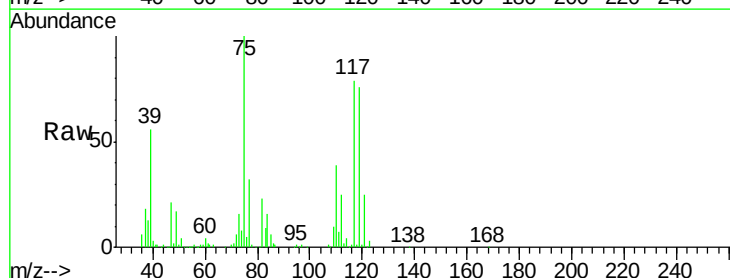
Manual Integrations
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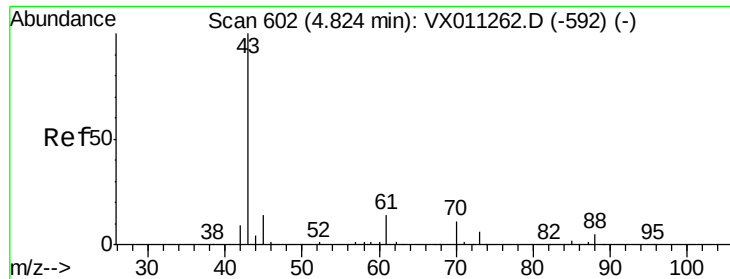
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#36
 1,1-Dichloropropene
 Concen: 49.428 ug/l
 RT: 5.79 min Scan# 760
 Delta R.T. -0.01 min
 Lab File: VX011398.D
 Acq: 09 Aug 2019 09:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	106061		
110	39.1		20.0	59.9
77	31.4		24.8	37.2





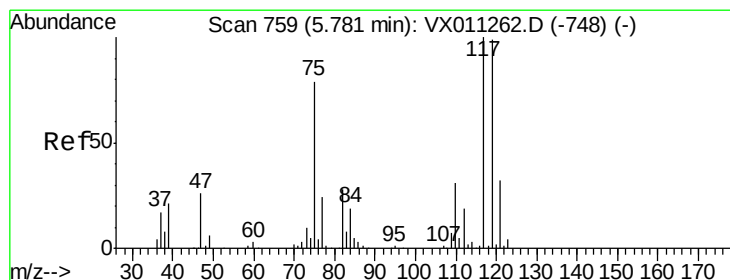
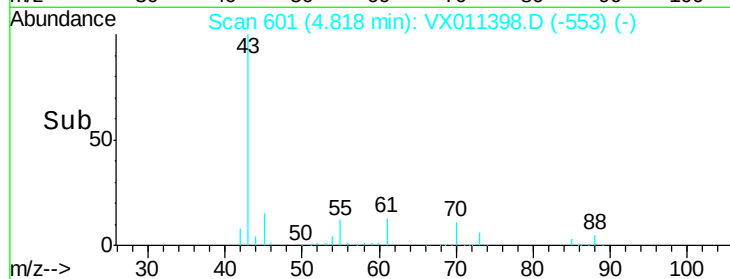
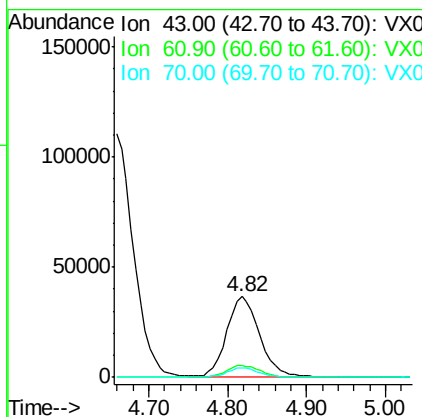
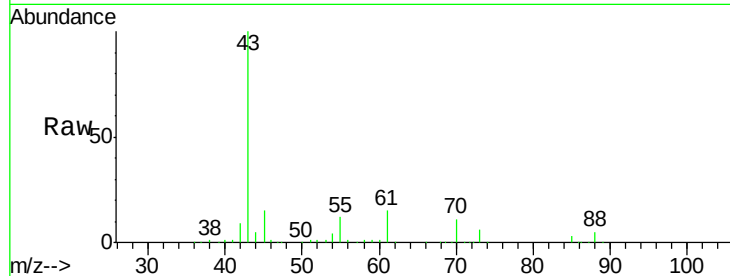
#37
Ethyl Acetate
Concen: 48.961 ug/l
RT: 4.82 min Scan# 601
Delta R.T. -0.01 min
Lab File: VX011398.D
Acq: 09 Aug 2019 09:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	105381
Ion	Ratio	Lower	Upper
43	100		
61	15.6	12.6	18.8
70	11.7	9.1	13.7

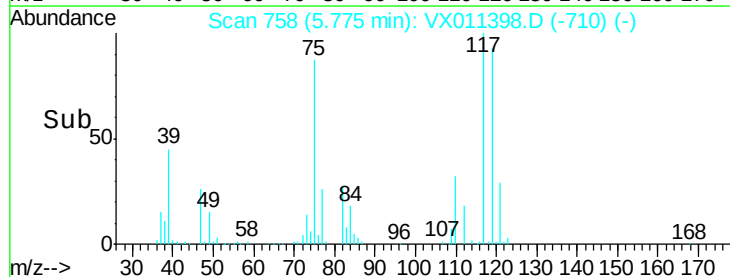
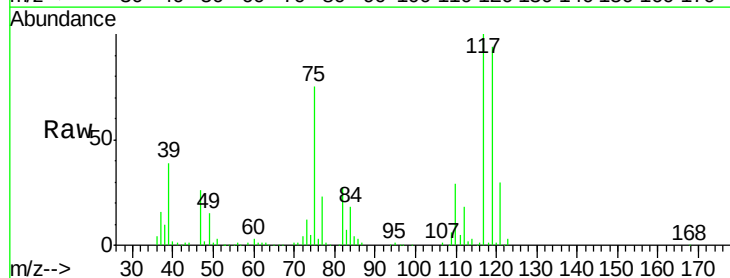
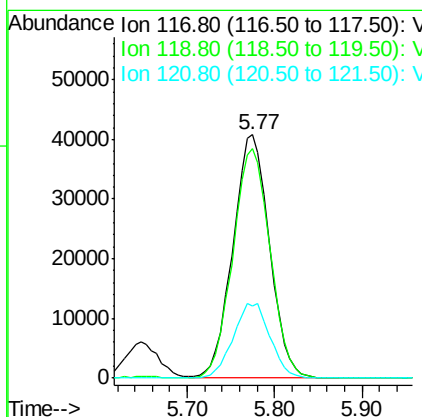
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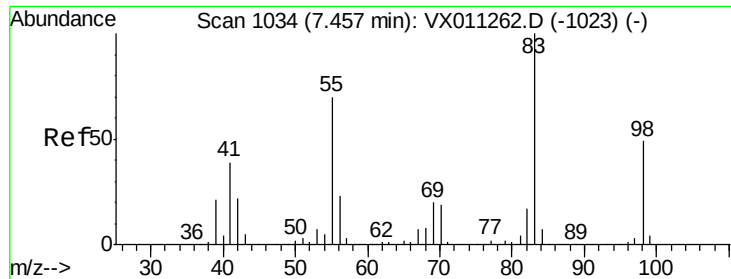
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#38
Carbon Tetrachloride
Concen: 54.971 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX011398.D
Acq: 09 Aug 2019 09:37

Tgt Ion:	117	Resp:	118670
Ion	Ratio	Lower	Upper
117	100		
119	94.1	79.0	118.4
121	29.6	25.9	38.9





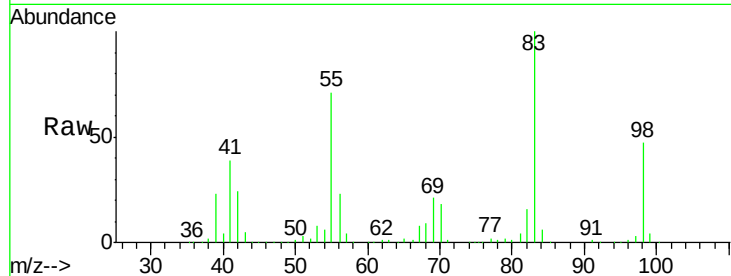
#39
Methylvlcyclohexane
Concen: 47.778 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011398.D
Acq: 09 Aug 2019 09:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

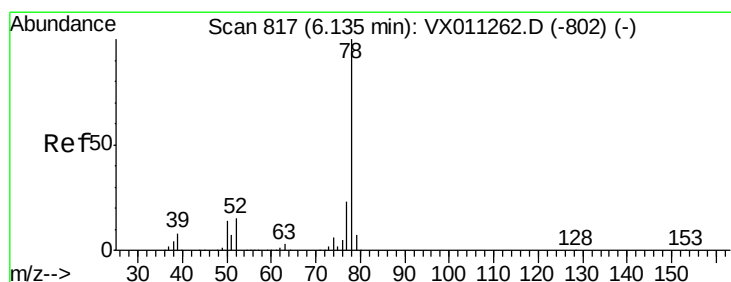
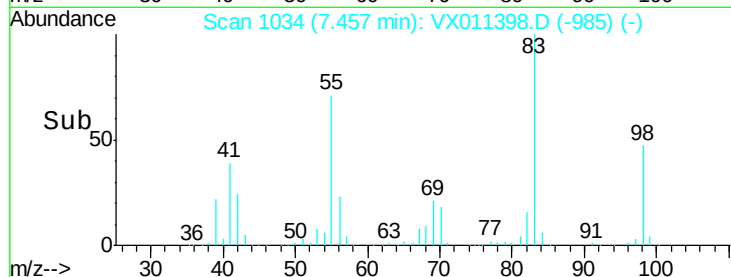
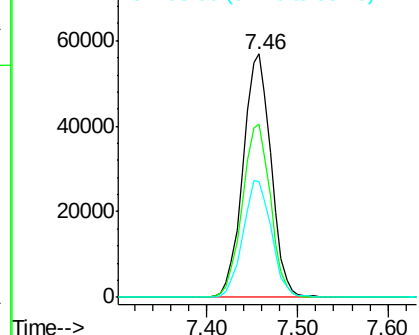
Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	70.8	56.1	84.1	
98	47.5	39.0	58.4	

Manual Integrations
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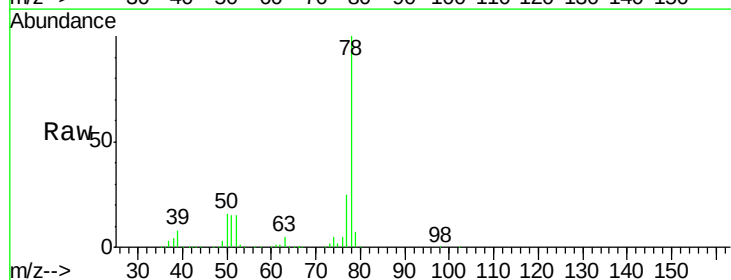


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

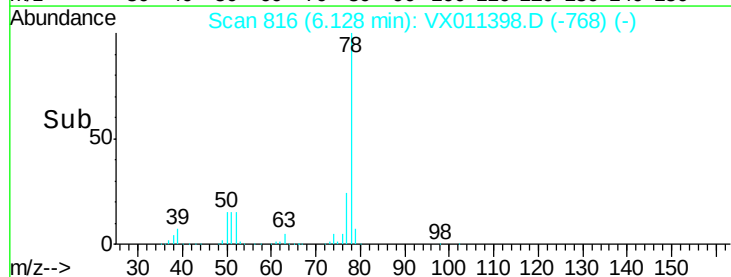
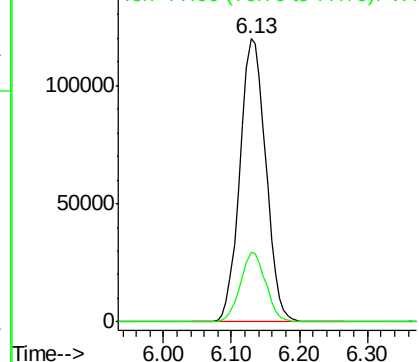


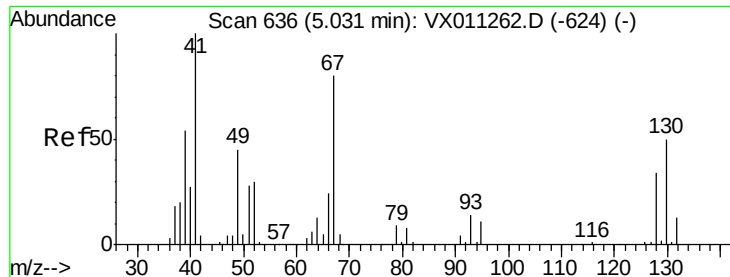
#40
Benzene
Concen: 49.524 ug/l
RT: 6.13 min Scan# 816
Delta R.T. -0.01 min
Lab File: VX011398.D
Acq: 09 Aug 2019 09:37

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.5	18.2	27.2	



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 49.340 ug/l

RT: 5.02 min Scan# 635

Delta R.T. -0.01 min

Lab File: VX011398.D

Acq: 09 Aug 2019 09:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 57997

Ion Ratio Lower Upper

41 100

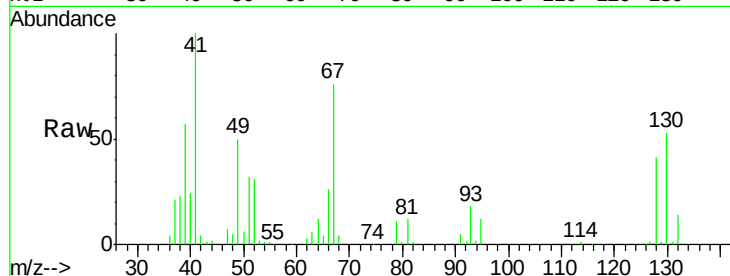
39 58.8 43.0 64.6

67 79.8 65.1 97.7

52 32.7 24.8 37.2

Manual Integrations
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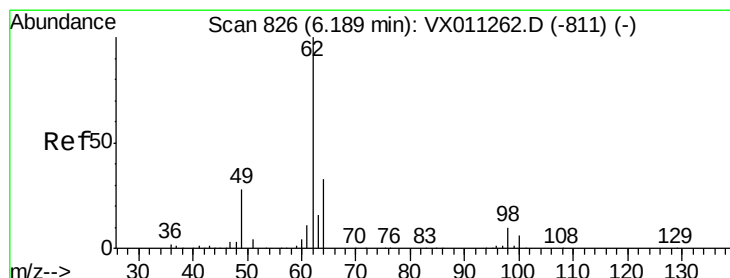
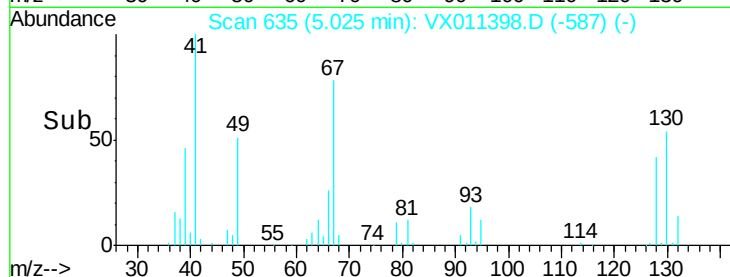
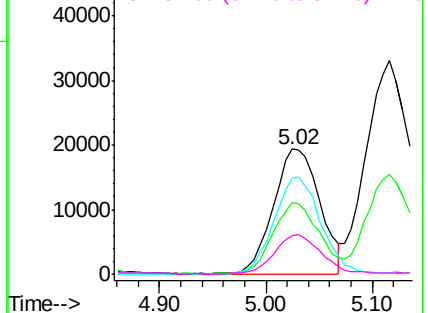
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 53.665 ug/l

RT: 6.18 min Scan# 825

Delta R.T. -0.01 min

Lab File: VX011398.D

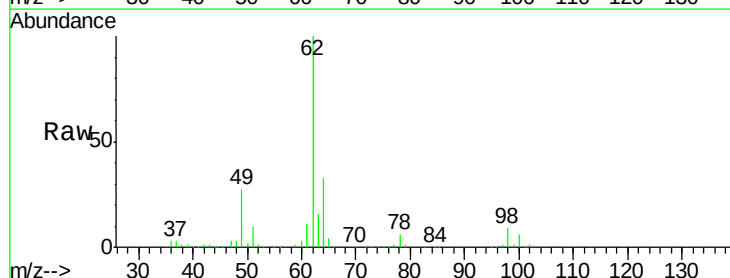
Acq: 09 Aug 2019 09:37

Tgt Ion: 62 Resp: 116196

Ion Ratio Lower Upper

62 100

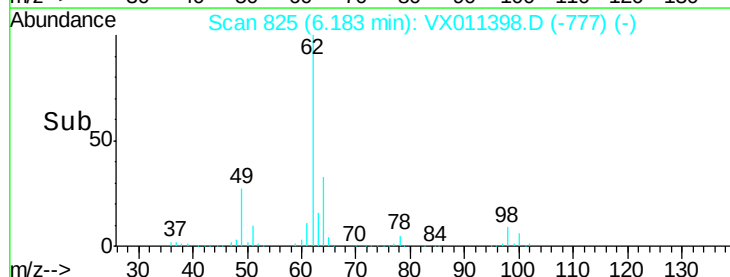
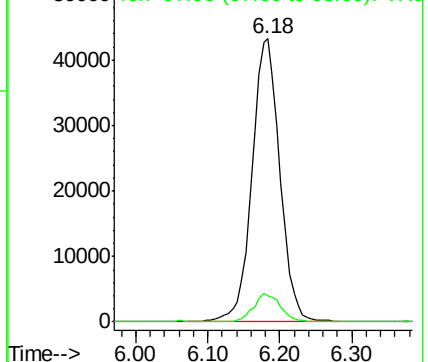
98 9.7 0.0 20.6

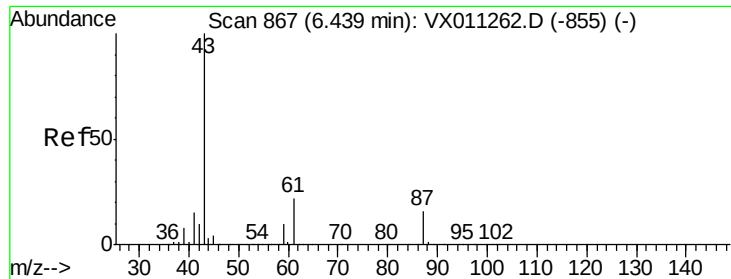


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





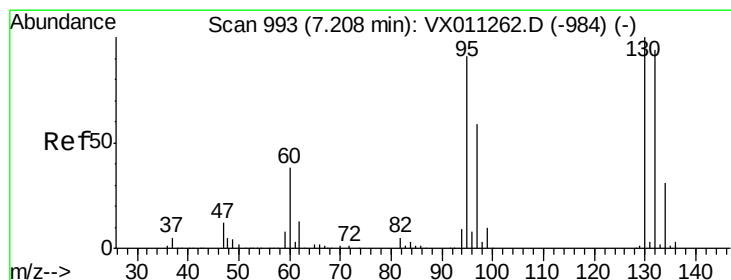
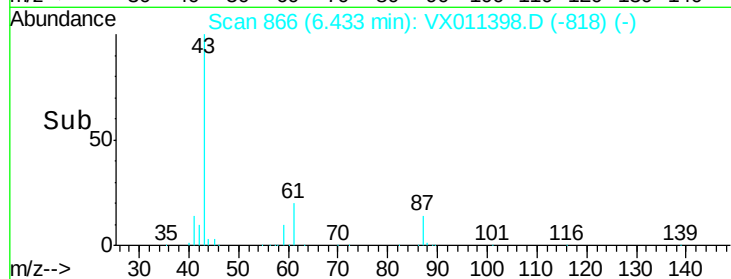
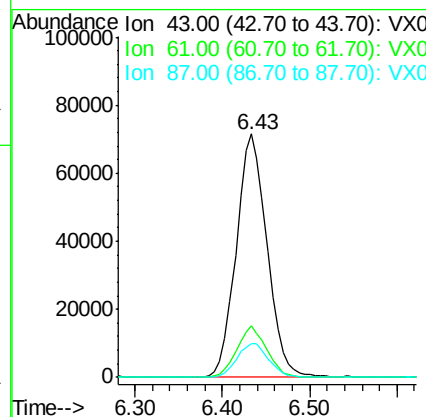
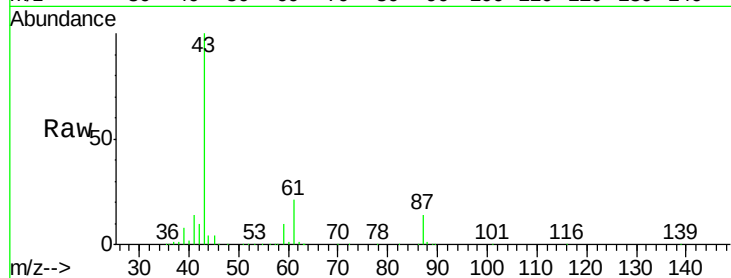
#43
Isopropyl Acetate
Concen: 50.605 ug/l
RT: 6.43 min Scan# 866
Delta R.T. -0.01 min
Lab File: VX011398.D
Acq: 09 Aug 2019 09:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.5	24.7
87	14.6	12.1	18.1

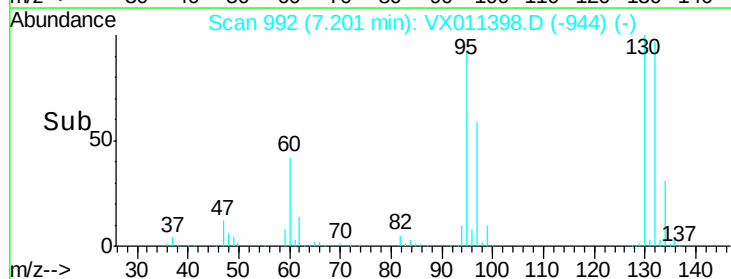
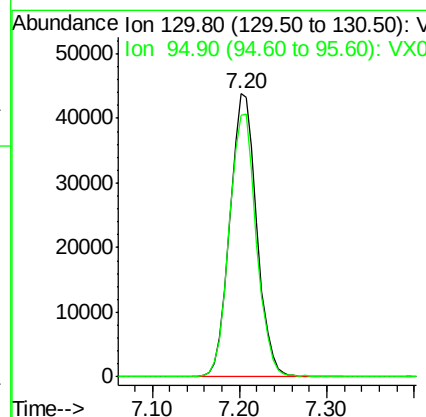
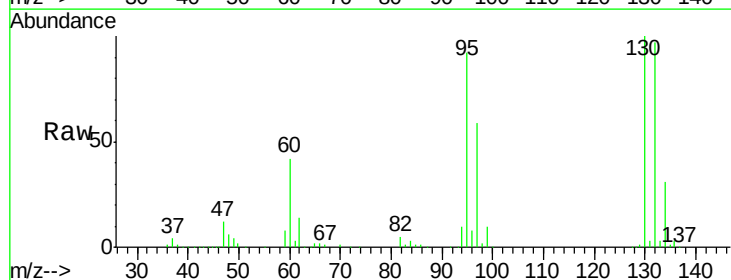
Manual Integrations
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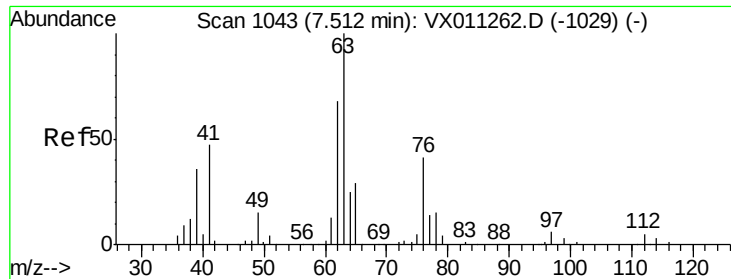
MMDadoda
8/12/2019 12:49:41 PM



#44
Trichloroethene
Concen: 48.364 ug/l
RT: 7.20 min Scan# 992
Delta R.T. -0.01 min
Lab File: VX011398.D
Acq: 09 Aug 2019 09:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.3	0.0	182.6





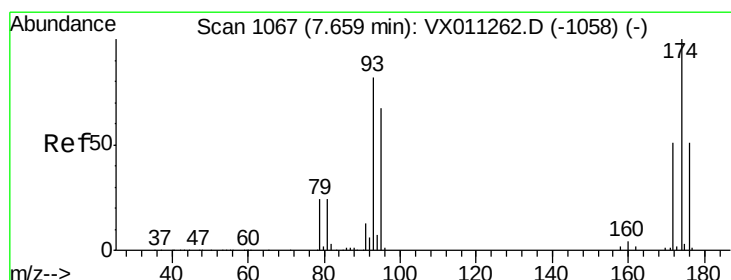
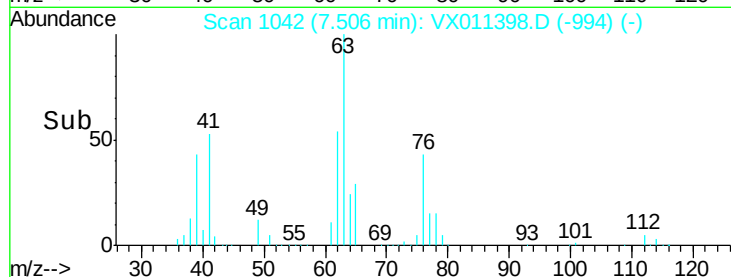
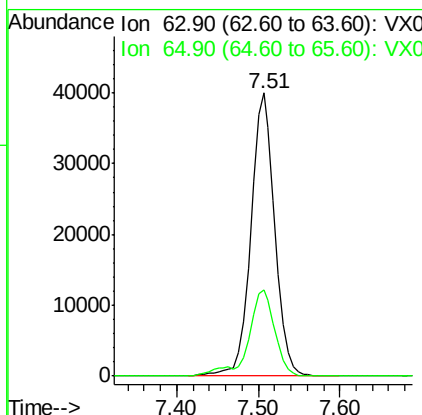
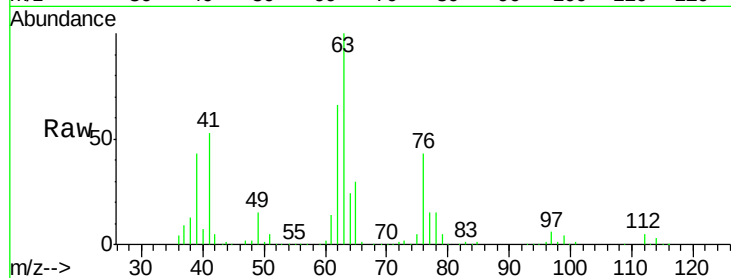
#45
 1,2-Dichloropropane
 Concen: 49.225 ug/l
 RT: 7.51 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: VX011398.D
 Acq: 09 Aug 2019 09:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 81630
 Ion Ratio Lower Upper
 63 100
 65 30.5 23.3 34.9

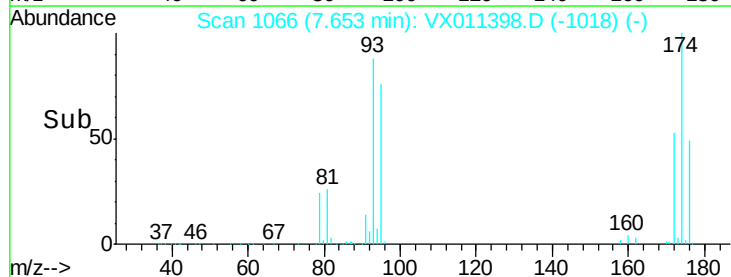
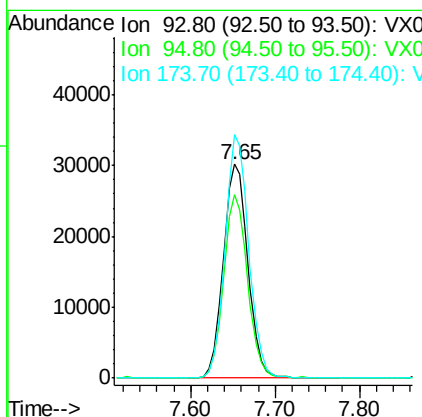
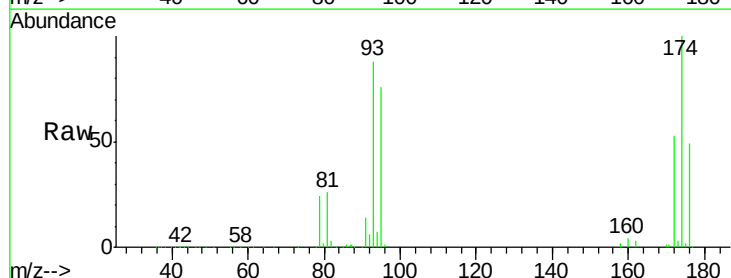
Manual Integrations
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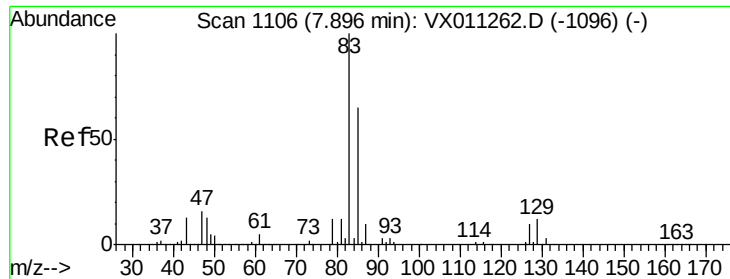
MMDadoda
 8/12/2019 12:49:41 PM



#46
 Dibromomethane
 Concen: 49.914 ug/l
 RT: 7.65 min Scan# 1066
 Delta R.T. -0.01 min
 Lab File: VX011398.D
 Acq: 09 Aug 2019 09:37

Tgt Ion: 93 Resp: 60425
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.4 99.6
 174 109.5 93.4 140.2





#47

Bromodichloromethane

Concen: 55.334 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX011398.D

Acq: 09 Aug 2019 09:37

Instrument :

MSVOA_X

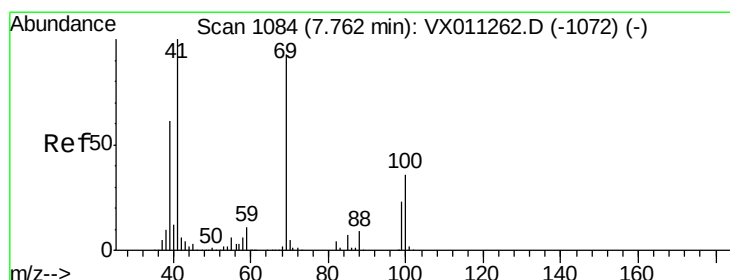
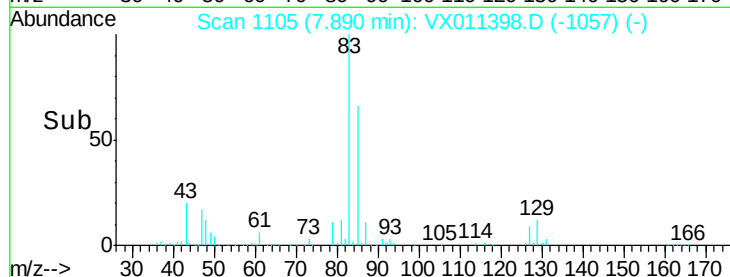
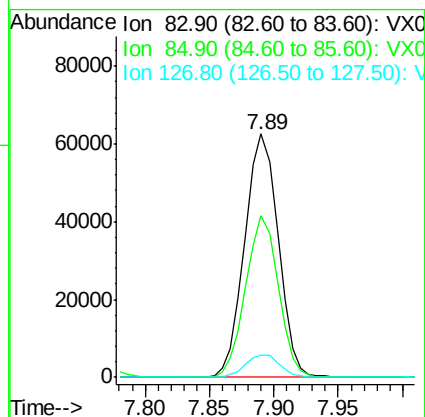
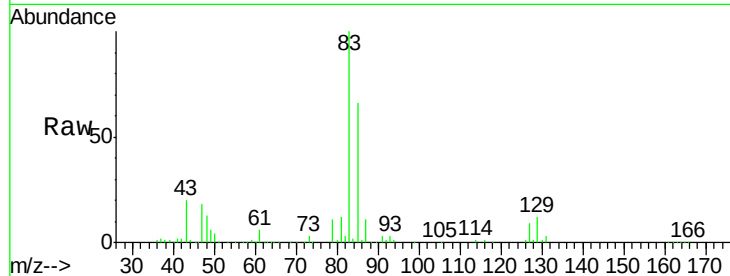
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	113413
Ion	Ratio	Lower	Upper
83	100		
85	66.4	52.2	78.2
127	8.9	7.8	11.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.027 ug/l

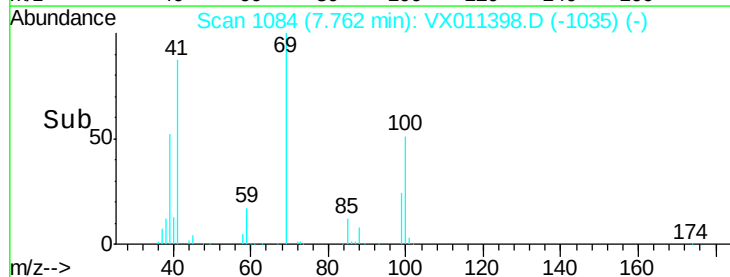
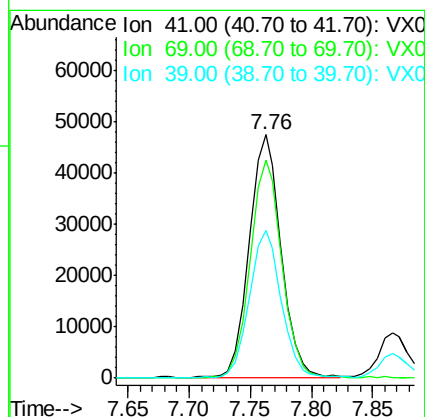
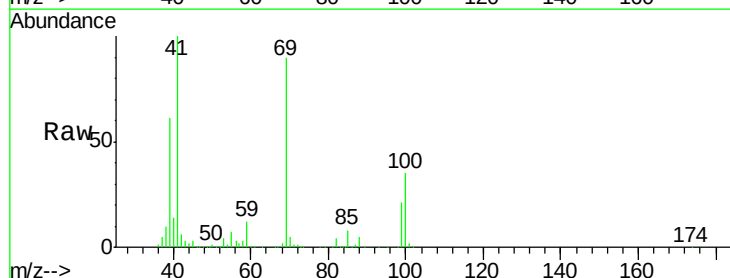
RT: 7.76 min Scan# 1084

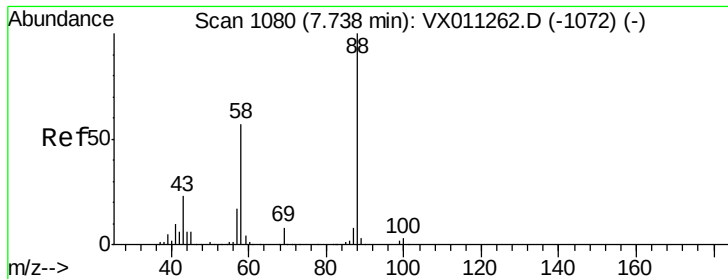
Delta R.T. 0.00 min

Lab File: VX011398.D

Acq: 09 Aug 2019 09:37

Tgt Ion:	41	Resp:	85874
Ion	Ratio	Lower	Upper
41	100		
69	89.5	74.5	111.7
39	60.3	48.6	72.8





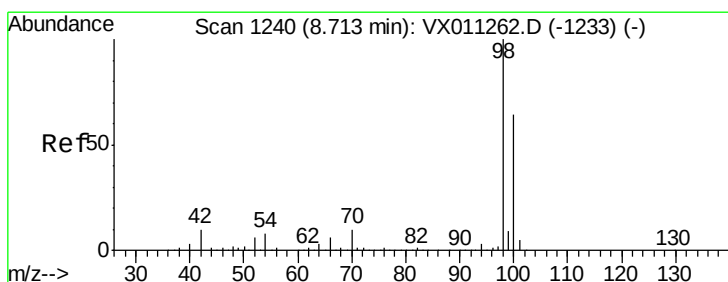
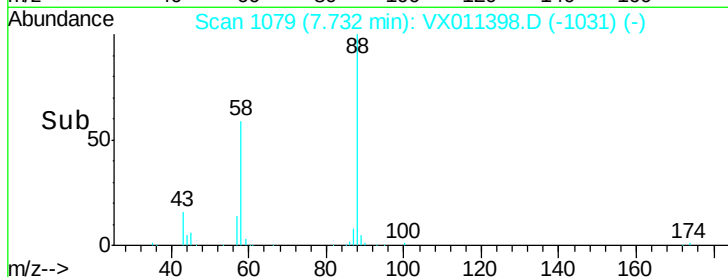
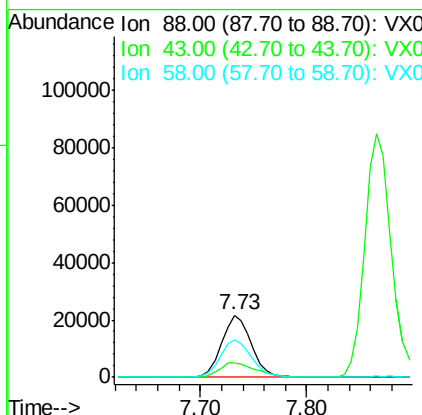
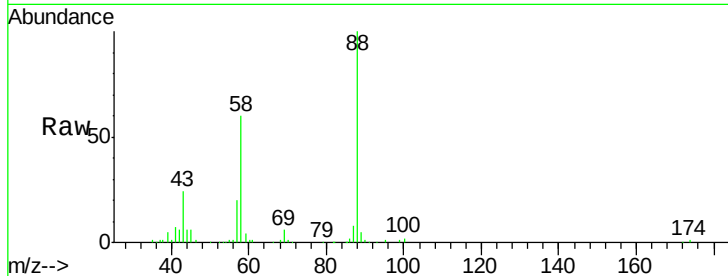
#49
1,4-Dioxane
Concen: 901.661 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX011398.D
Acq: 09 Aug 2019 09:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.1	22.2	33.2
58	64.4	47.8	71.8

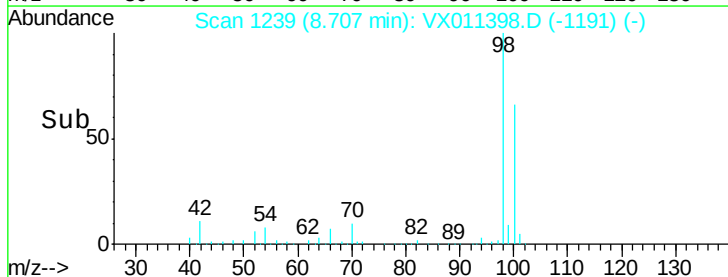
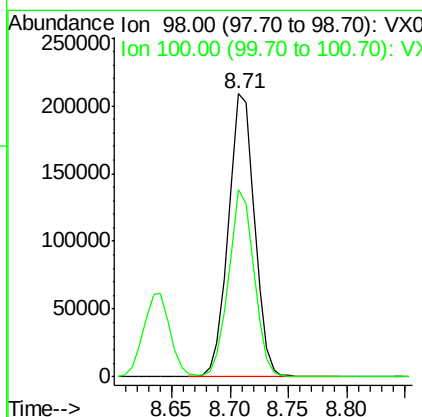
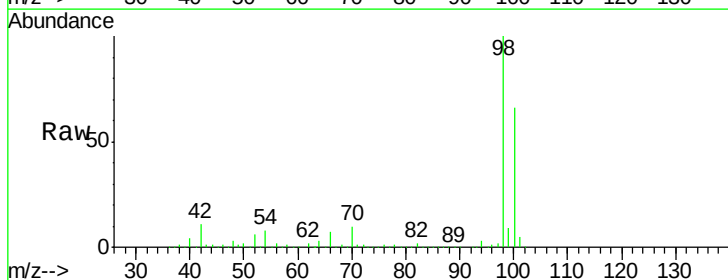
Manual Integrations
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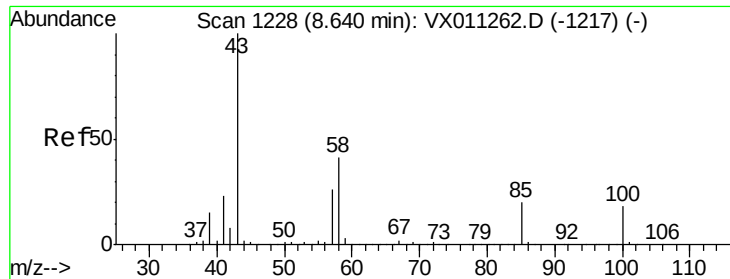
MMDadoda
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#50
Toluene-d8
Concen: 53.926 ug/l
RT: 8.71 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VX011398.D
Acq: 09 Aug 2019 09:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.7	77.5





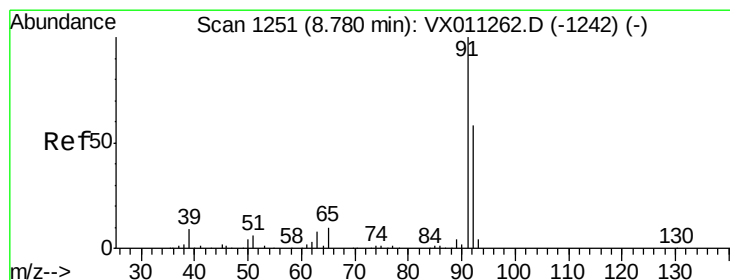
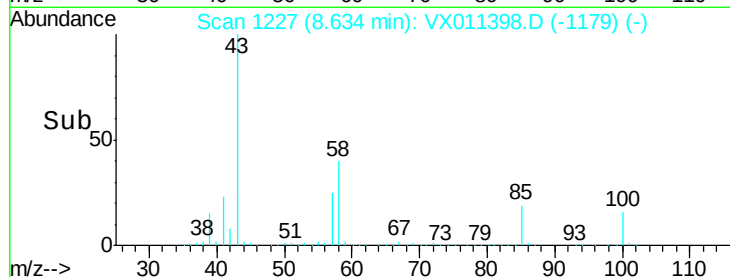
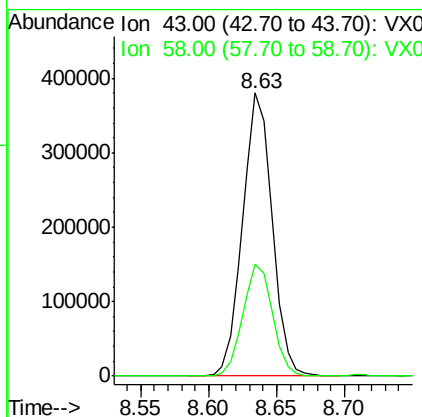
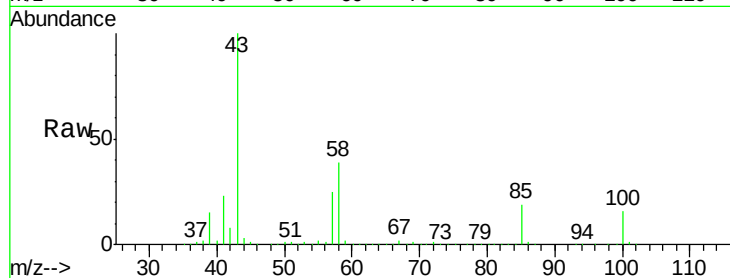
#51
4-Methyl-2-Pentanone
Concen: 261.273 ug/l
RT: 8.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VX011398.D
Acq: 09 Aug 2019 09:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	43	58	Resp	Lower	Upper
43	100				
58	39.8		32.3	48.5	

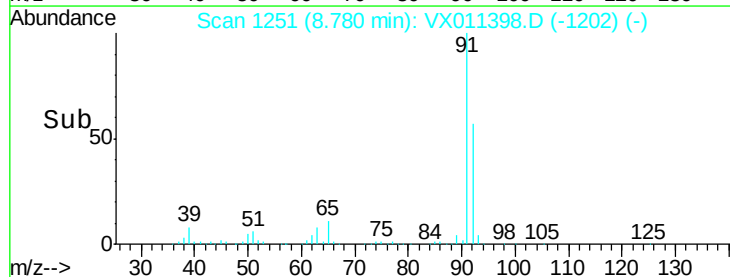
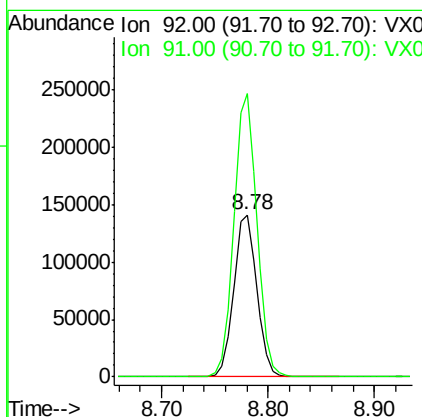
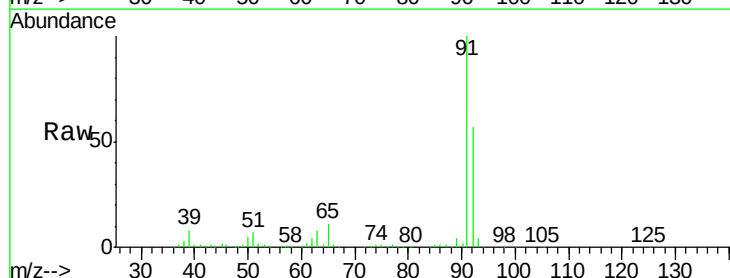
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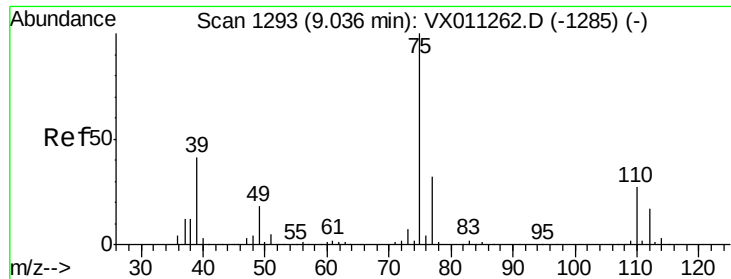
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#52
Toluene
Concen: 50.656 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VX011398.D
Acq: 09 Aug 2019 09:37

Tgt Ion	92	91	Resp	Lower	Upper
92	100				
91	174.2		139.4	209.0	





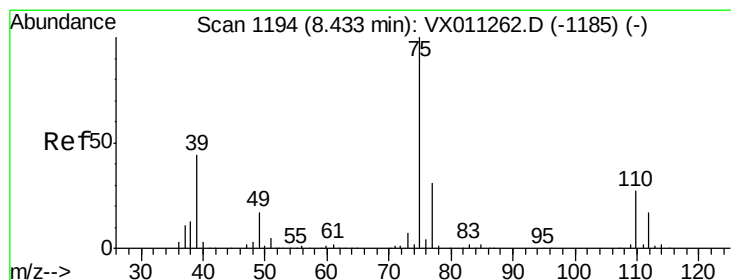
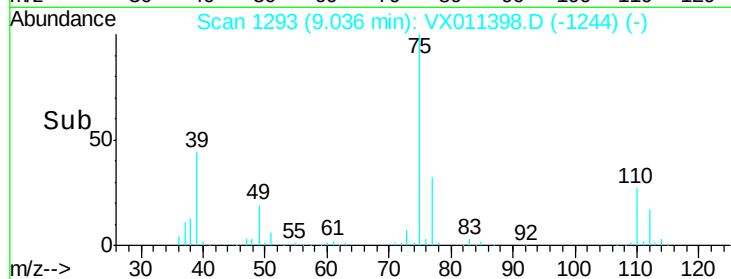
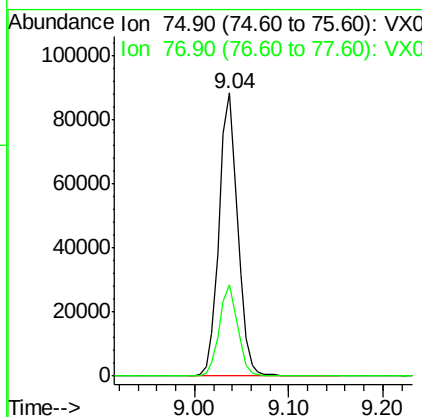
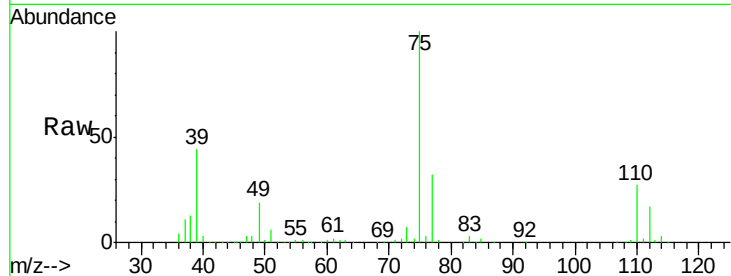
#53
 t-1,3-Dichloropropene
 Concen: 51.000 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. 0.00 min
 Lab File: VX011398.D
 Acq: 09 Aug 2019 09:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 121879
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.4 38.0

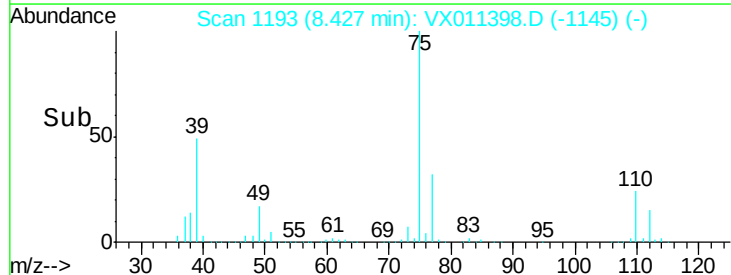
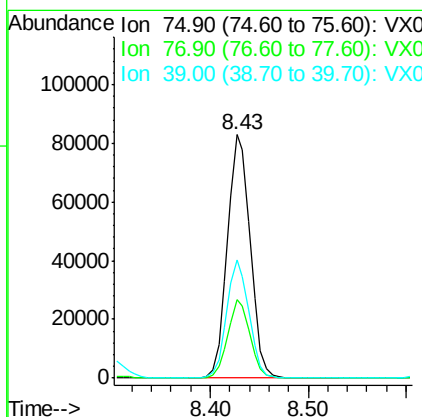
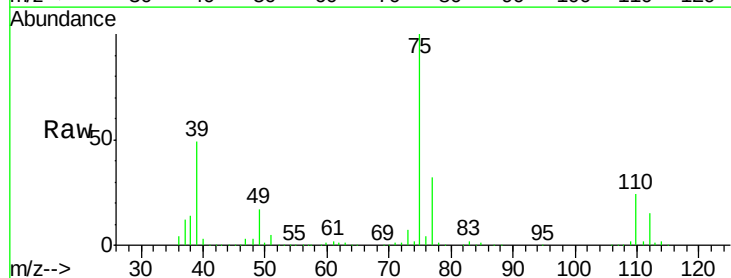
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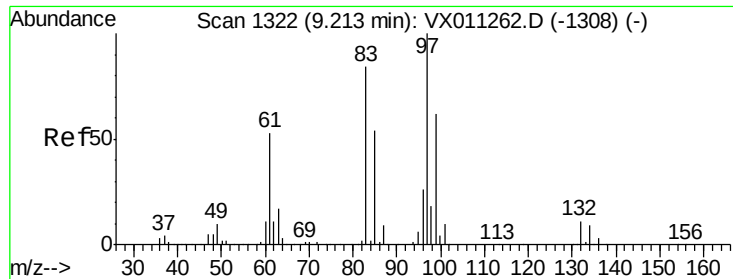
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 8/12/2019 12:49:41 PM



#54
 cis-1,3-Dichloropropene
 Concen: 55.880 ug/l
 RT: 8.43 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: VX011398.D
 Acq: 09 Aug 2019 09:37

Tgt Ion: 75 Resp: 133788
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.0 37.6
 39 48.6 35.3 52.9





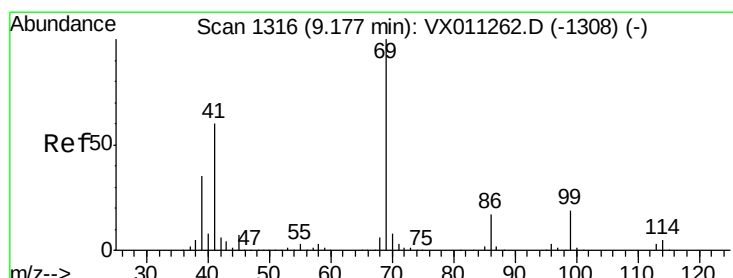
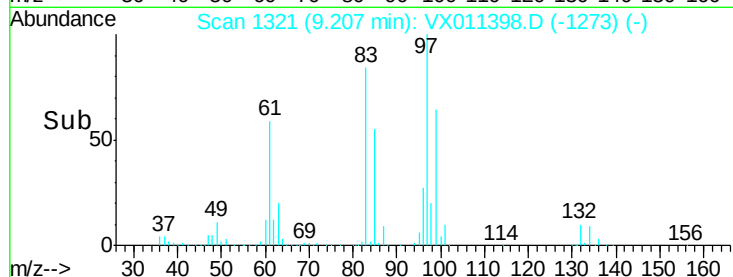
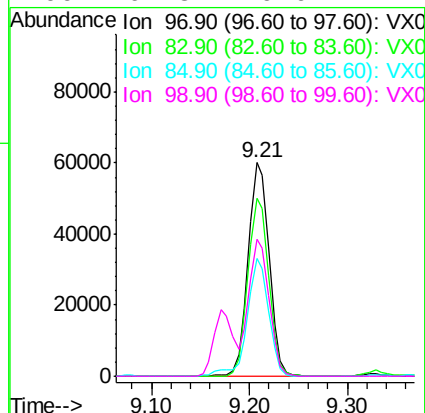
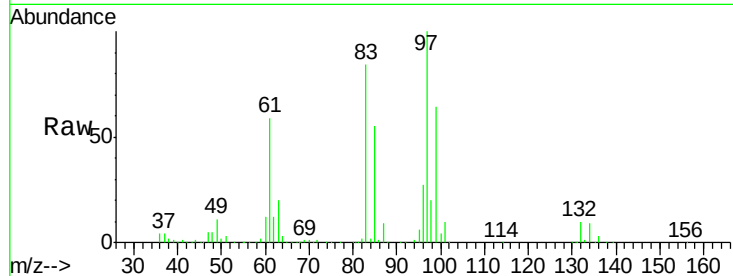
#55
 1,1,2-Trichloroethane
 Concen: 51.625 ug/l
 RT: 9.21 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VX011398.D
 Acq: 09 Aug 2019 09:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	89861
Ion	Ratio	Lower	Upper
97	100		
83	83.5	67.6	101.4
85	55.2	43.4	65.0
99	64.3	49.6	74.4

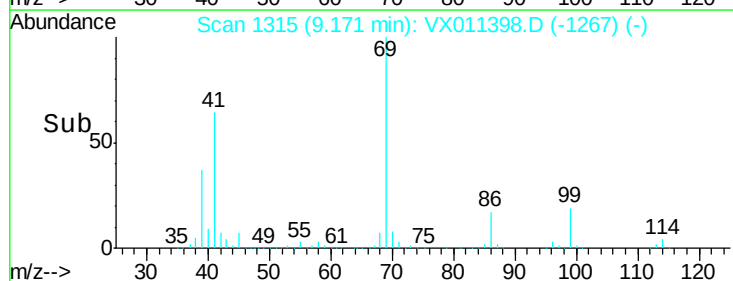
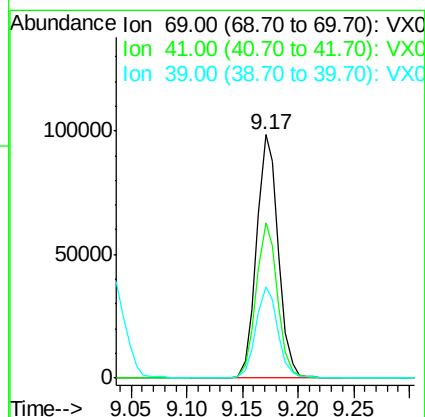
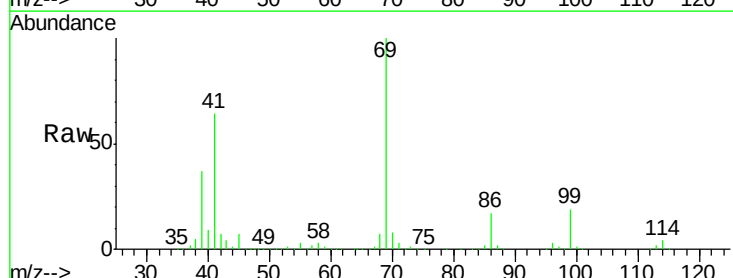
Manual Integrations
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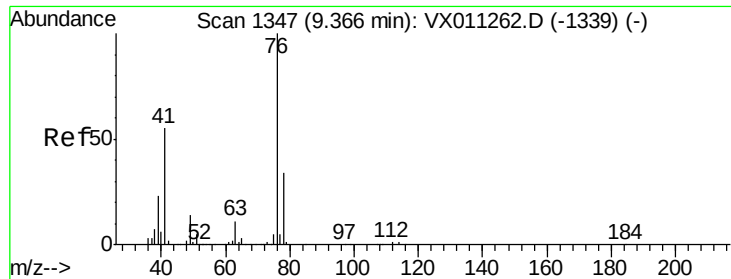
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#56
 Ethyl methacrylate
 Concen: 53.939 ug/l
 RT: 9.17 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VX011398.D
 Acq: 09 Aug 2019 09:37

Tgt Ion:	69	Resp:	133797
Ion	Ratio	Lower	Upper
69	100		
41	62.8	48.6	73.0
39	37.6	29.4	44.2





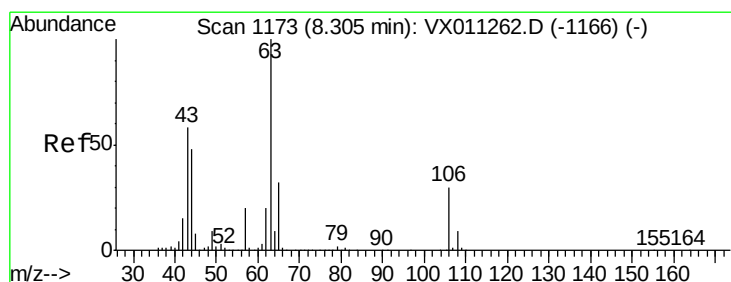
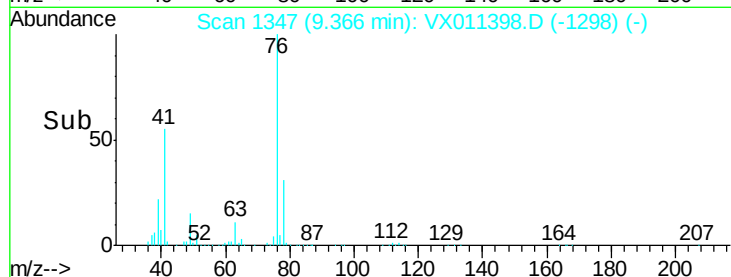
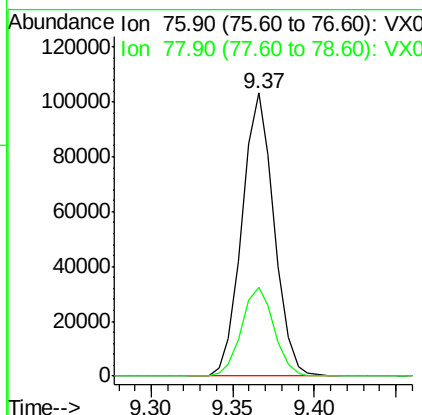
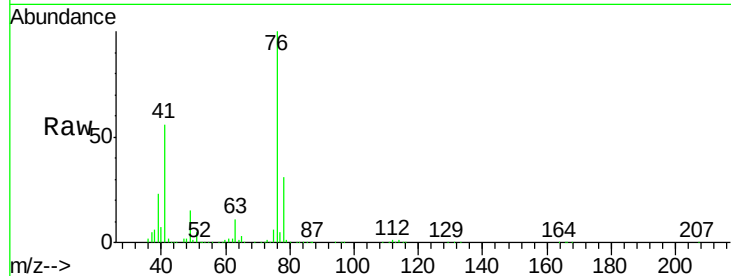
#57
 1,3-Dichloropropane
 Concen: 51.476 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VX011398.D
 Acq: 09 Aug 2019 09:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 141703
 Ion Ratio Lower Upper
 76 100
 78 31.8 26.6 40.0

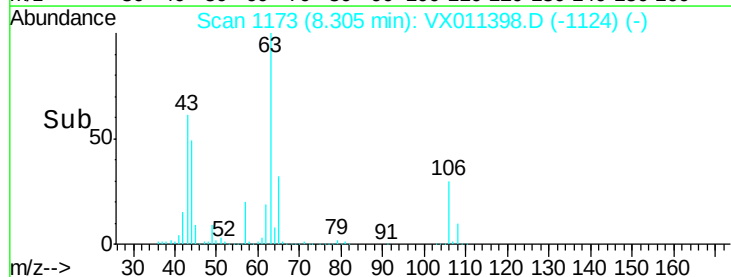
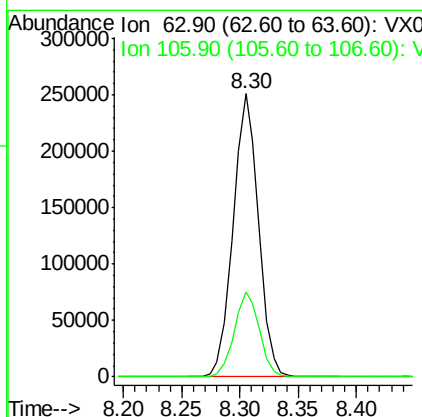
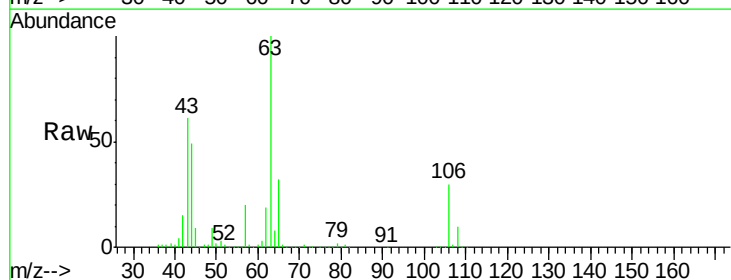
Manual Integrations
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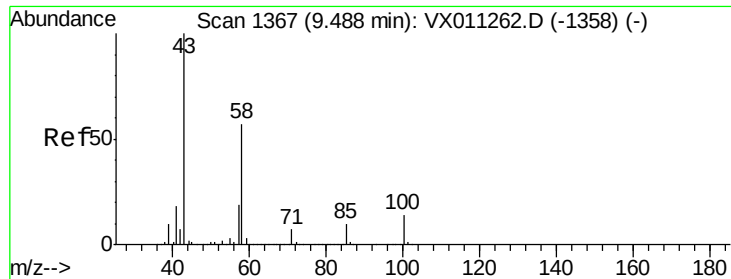
MMDadoda
 8/12/2019 12:49:41 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 311.171 ug/l
 RT: 8.30 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VX011398.D
 Acq: 09 Aug 2019 09:37

Tgt Ion: 63 Resp: 379519
 Ion Ratio Lower Upper
 63 100
 106 29.8 24.4 36.6





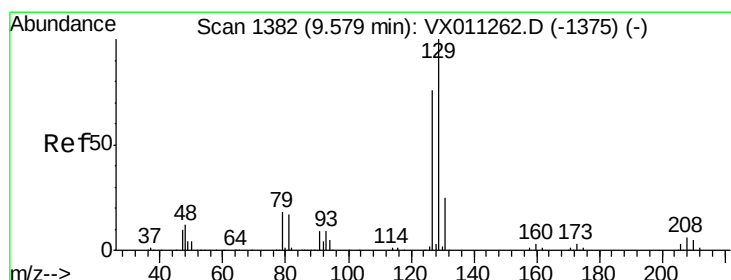
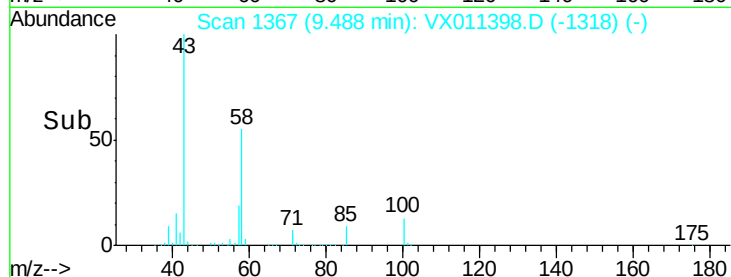
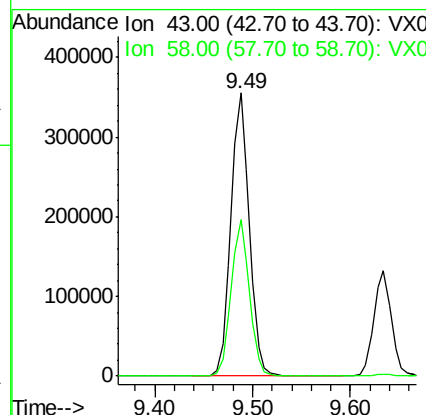
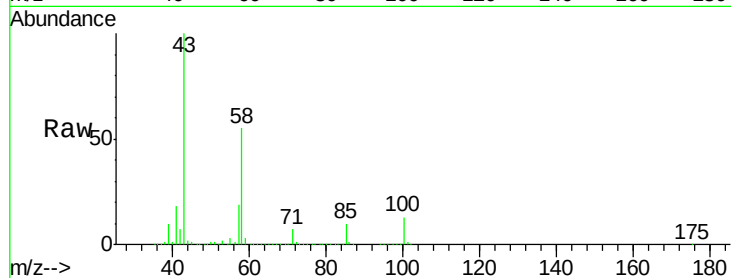
#59
2-Hexanone
Concen: 269.601 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011398.D
Acq: 09 Aug 2019 09:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 463748
Ion Ratio Lower Upper
43 100
58 55.0 28.2 84.6

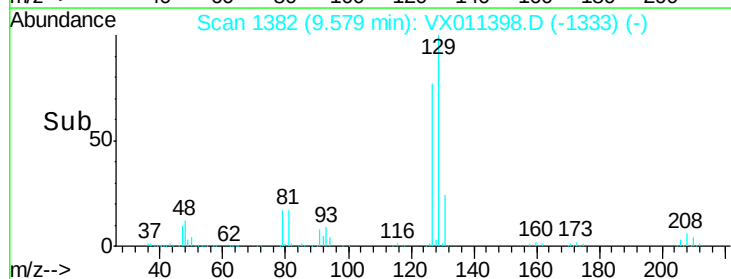
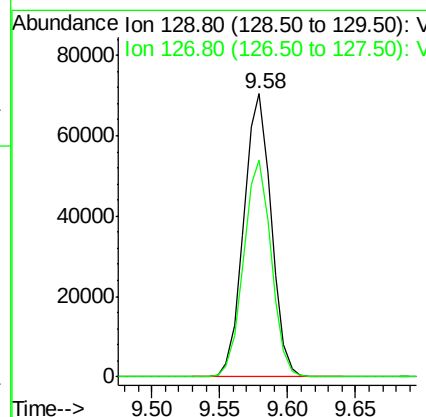
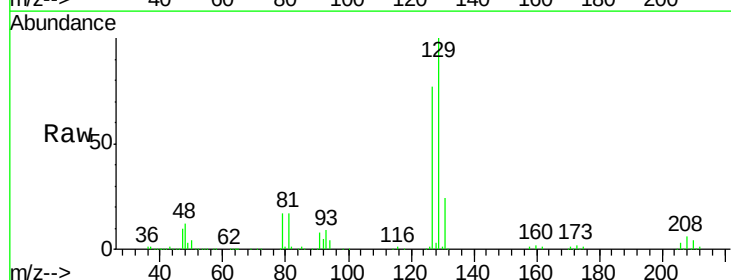
Manual Integrations
APPROVED

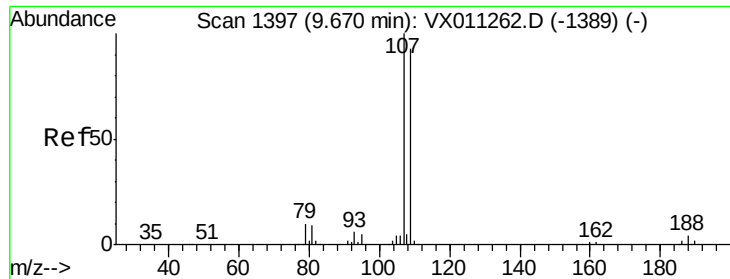
MMDadoda
8/12/2019 12:49:41 PM



#60
Dibromochloromethane
Concen: 55.817 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011398.D
Acq: 09 Aug 2019 09:37

Tgt Ion: 129 Resp: 99471
Ion Ratio Lower Upper
129 100
127 77.0 39.2 117.6





#61

1,2-Dibromoethane

Concen: 51.011 ug/l

RT: 9.66 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VX011398.D

Acq: 09 Aug 2019 09:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 95930

Ion Ratio Lower Upper

107 100

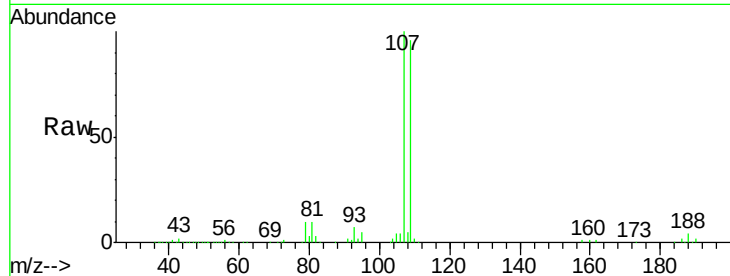
109 94.9 76.6 114.8

Manual Integrations

APPROVED

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.66

80000

60000

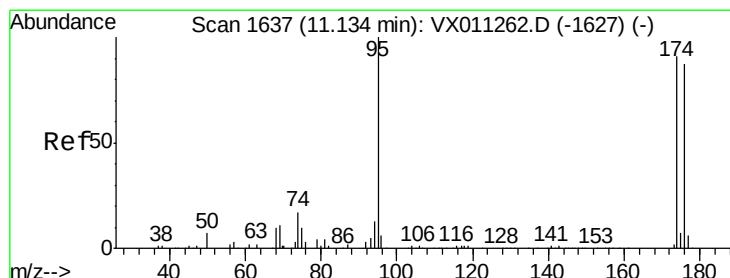
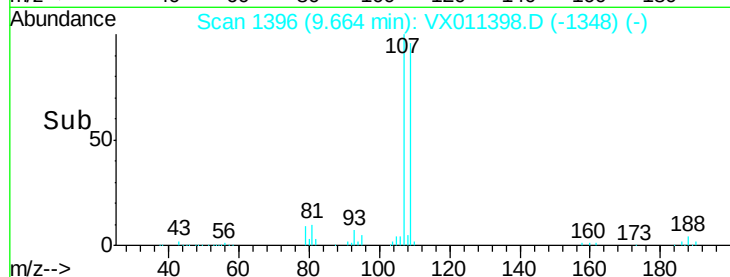
40000

20000

0

9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 57.664 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011398.D

Acq: 09 Aug 2019 09:37

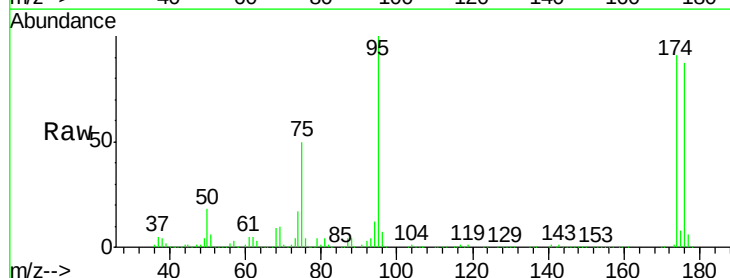
Tgt Ion: 95 Resp: 124693

Ion Ratio Lower Upper

95 100

174 91.1 0.0 191.2

176 87.4 0.0 184.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

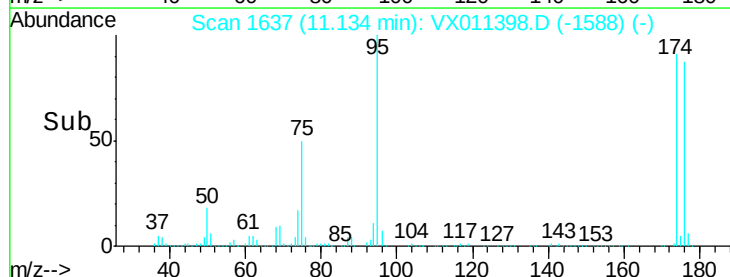
100000

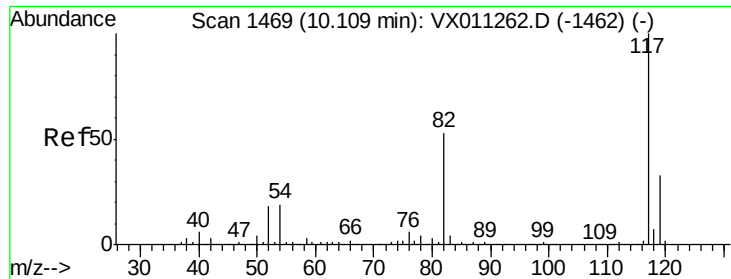
50000

0

11.10 11.20

Time-->





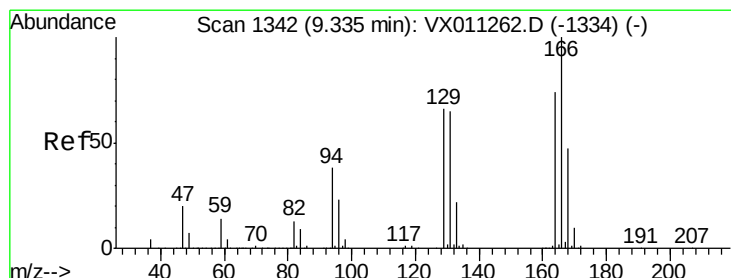
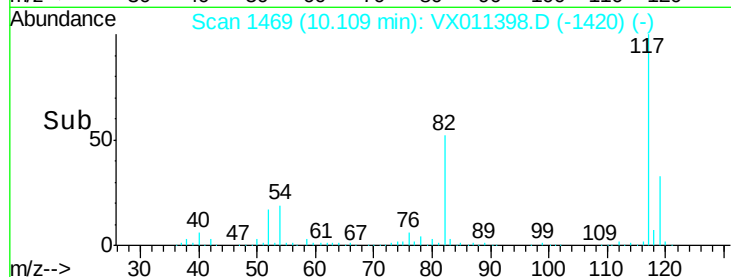
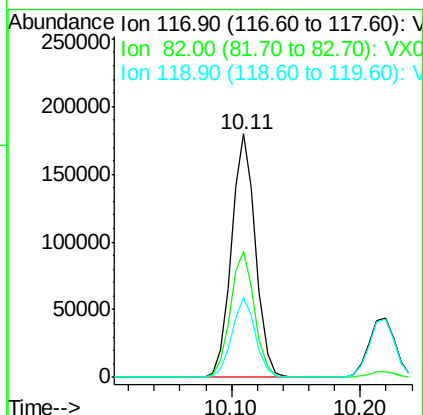
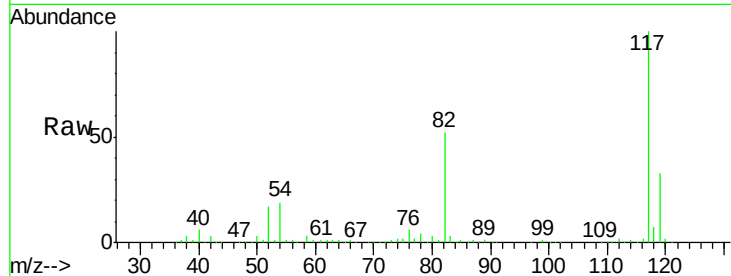
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011398.D
Acq: 09 Aug 2019 09:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	42.2	63.2
119	32.9	26.6	39.8

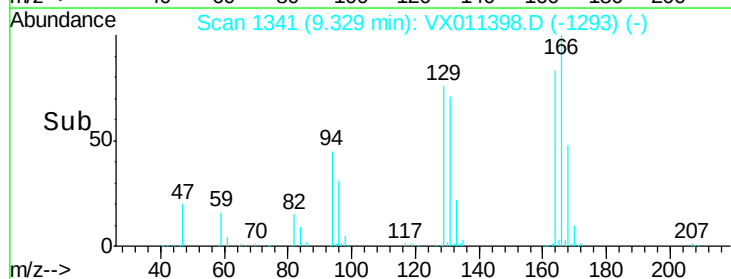
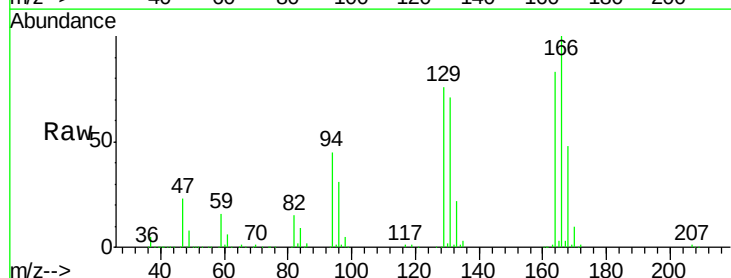
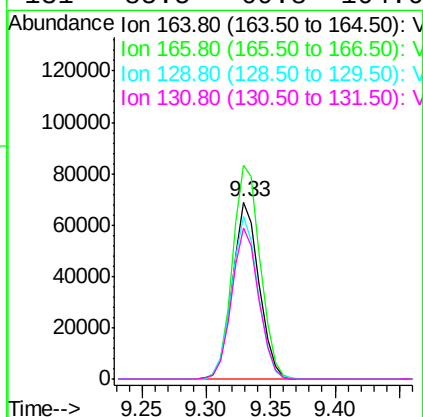
Manual Integrations
APPROVED

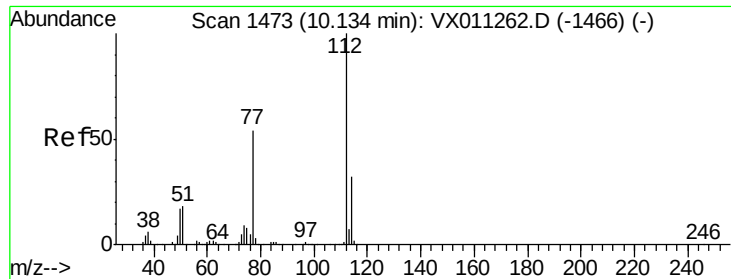
MMDadoda
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#64
Tetrachloroethene
Concen: 49.990 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX011398.D
Acq: 09 Aug 2019 09:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.9	107.5	161.3
129	91.8	71.0	106.4
131	85.5	69.8	104.6





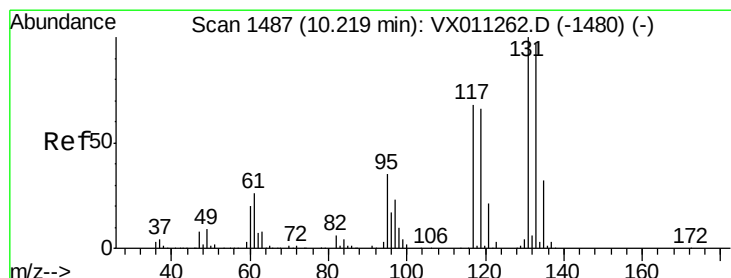
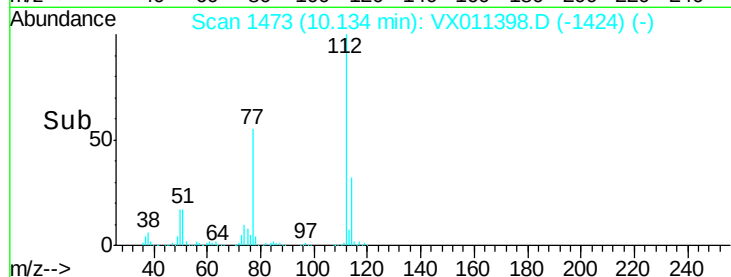
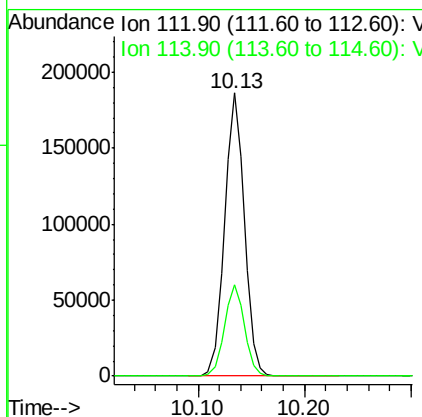
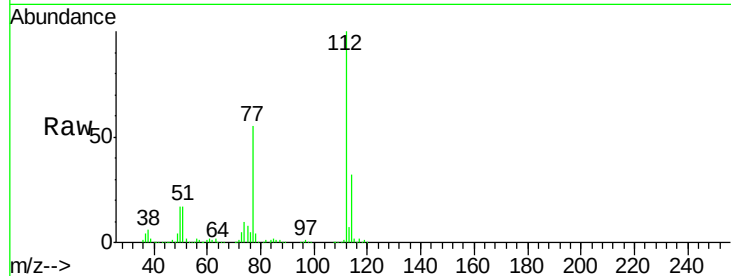
#65
Chlorobenzene
Concen: 48.497 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011398.D
Acq: 09 Aug 2019 09:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.9	38.9

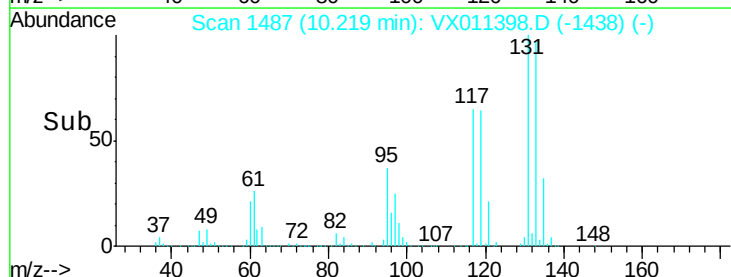
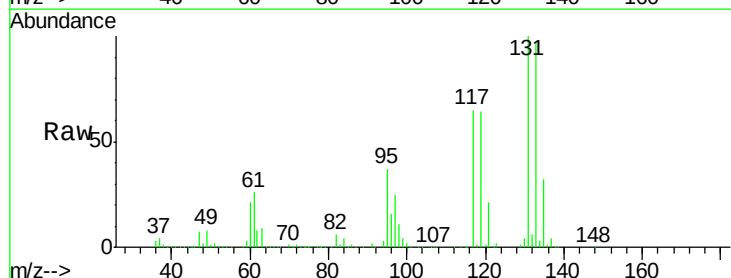
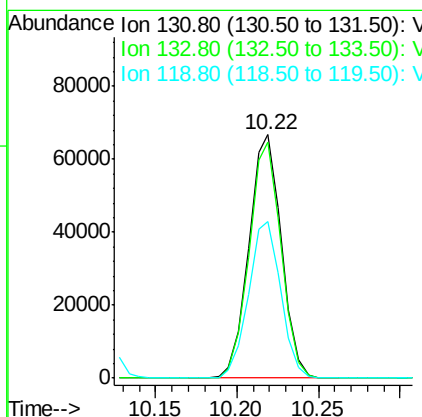
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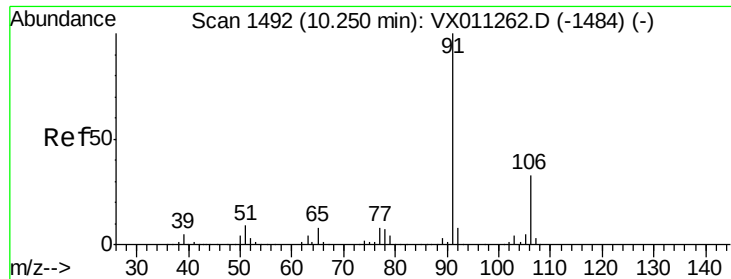
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.843 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX011398.D
Acq: 09 Aug 2019 09:37

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.7	143.1
119	64.3	32.8	98.3





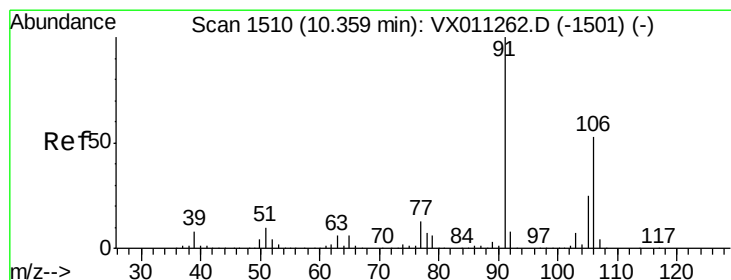
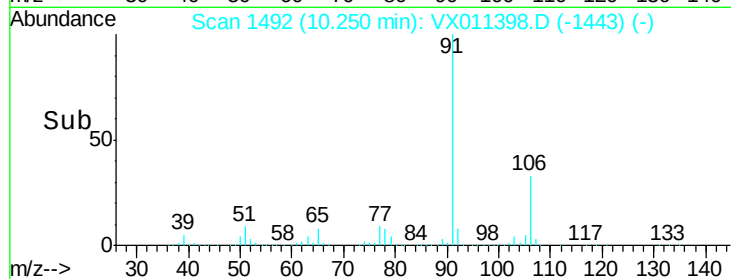
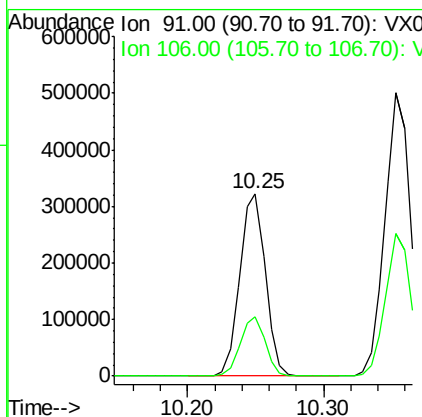
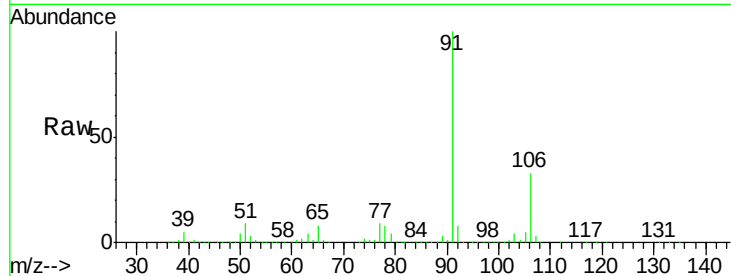
#67
Ethyl Benzene
Concen: 50.570 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011398.D
Acq: 09 Aug 2019 09:37

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 423894
Ion Ratio Lower Upper
91 100
106 32.5 26.2 39.4

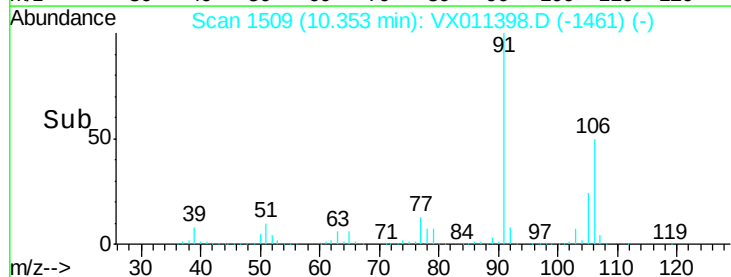
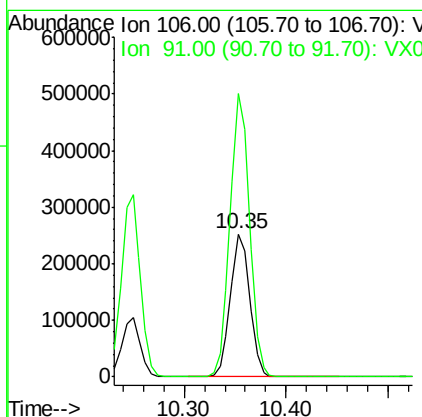
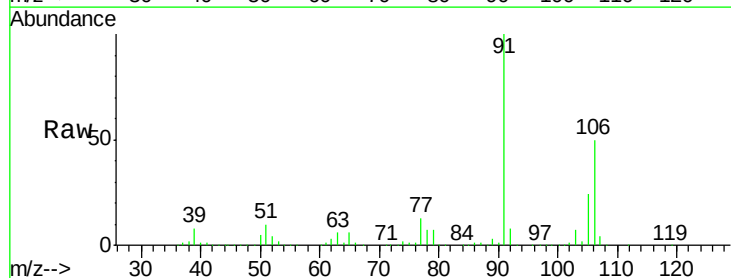
Manual Integrations
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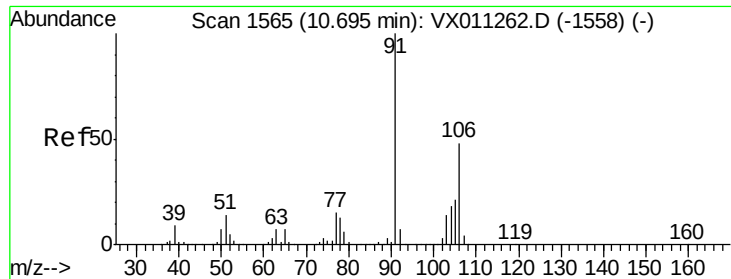
MMDadoda
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#68
m/p-Xylenes
Concen: 102.373 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX011398.D
Acq: 09 Aug 2019 09:37

Tgt Ion: 106 Resp: 331924
Ion Ratio Lower Upper
106 100
91 198.7 155.9 233.9





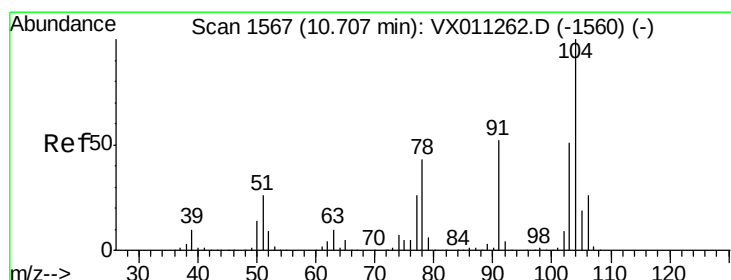
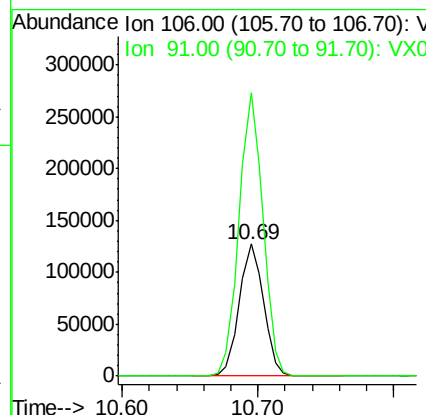
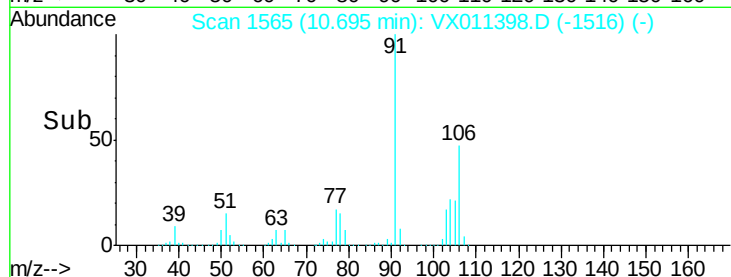
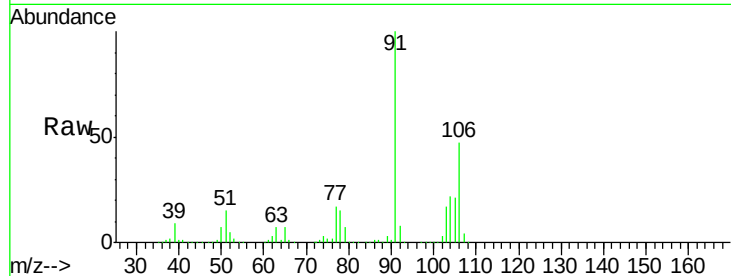
#69
o-Xylene
Concen: 50.084 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011398.D
Acq: 09 Aug 2019 09:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	210.1	103.8	159550	311.3	

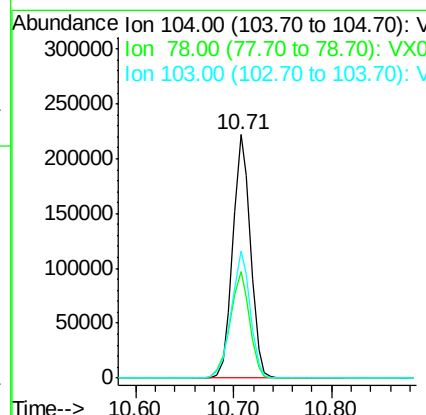
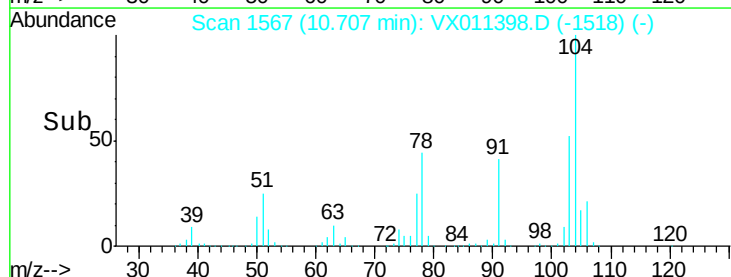
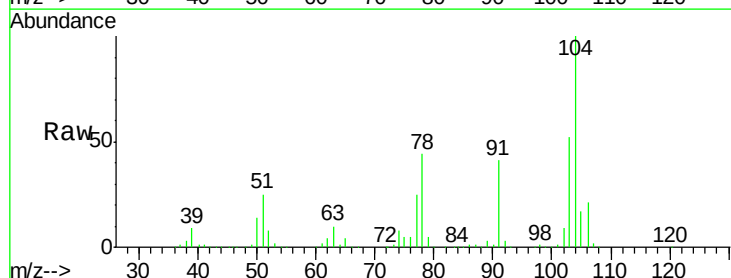
Manual Integrations
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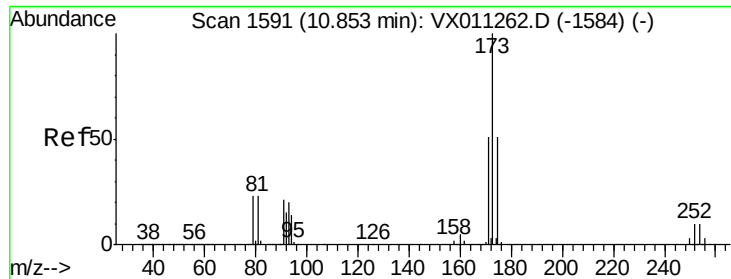
MMDadoda
8/12/2019 12:49:41 PM



#70
Styrene
Concen: 53.092 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011398.D
Acq: 09 Aug 2019 09:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	48.0	36.9	279854	55.3	
103	55.5	44.4		66.6	





#71

Bromoform

Concen: 48.870 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011398.D

Acq: 09 Aug 2019 09:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 74770

Ion Ratio Lower Upper

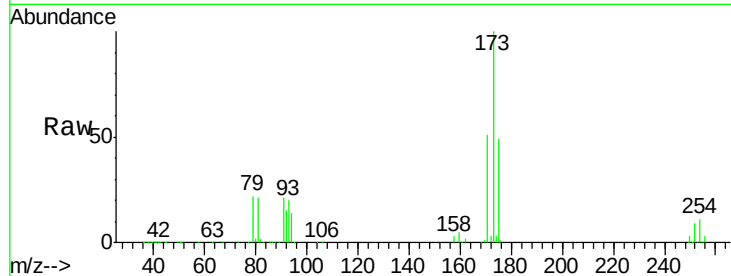
173 100

175 49.6 24.4 73.4

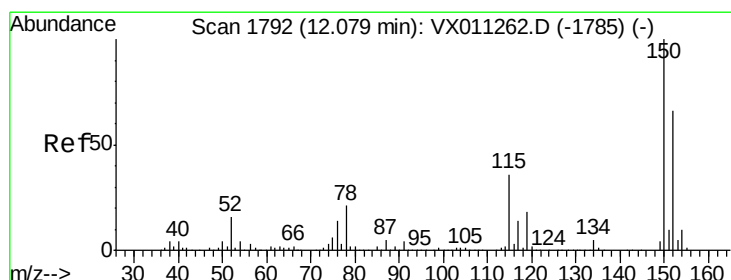
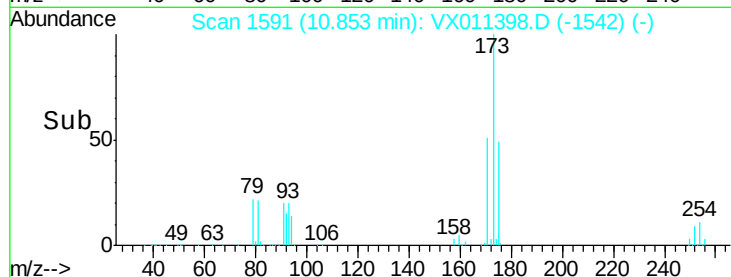
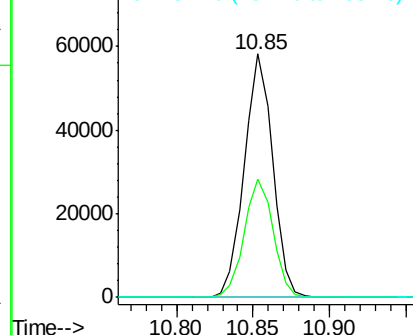
254 0.0 0.2 0.2#

Manual Integrations
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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: 12.07 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX011398.D

Acq: 09 Aug 2019 09:37

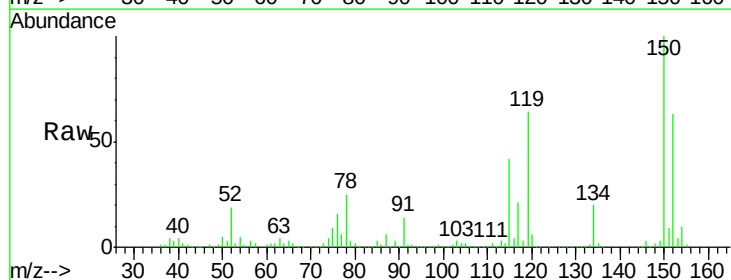
Tgt Ion:152 Resp: 127829

Ion Ratio Lower Upper

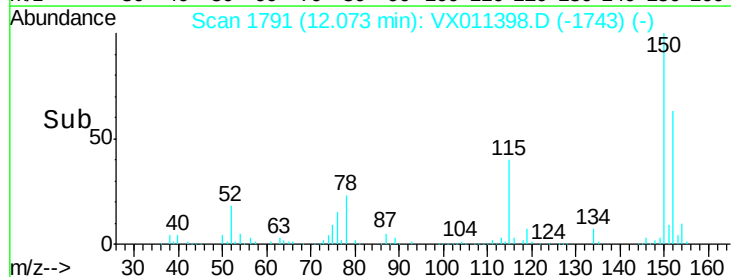
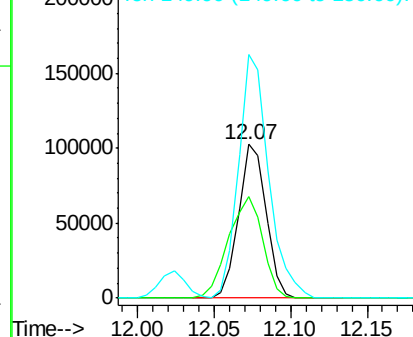
152 100

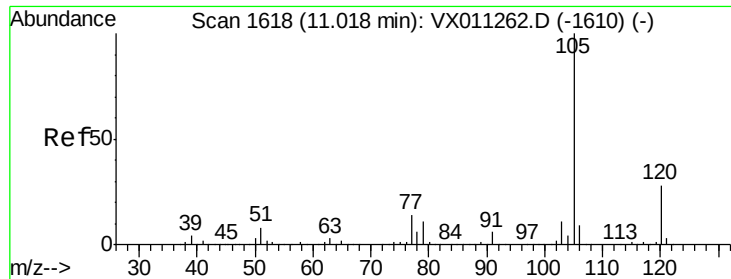
115 82.1 40.0 119.9

150 173.5 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: 50.523 ug/l

RT: 11.01 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VX011398.D

Acq: 09 Aug 2019 09:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 441703

Ion Ratio Lower Upper

105 100

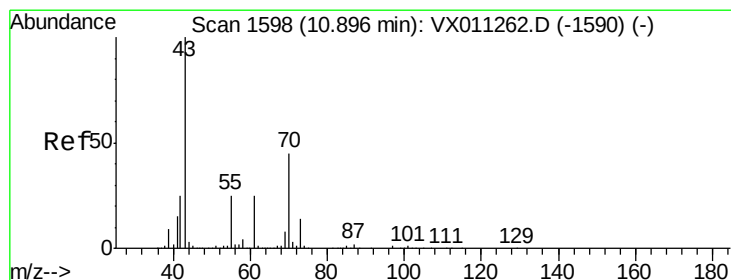
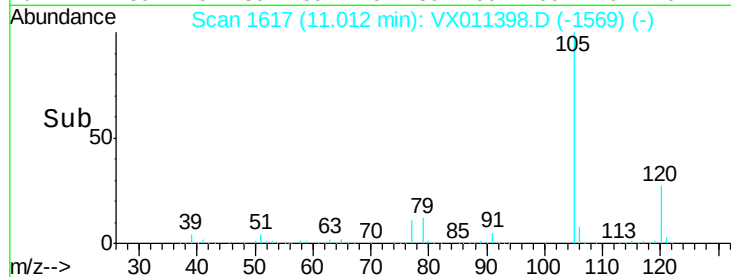
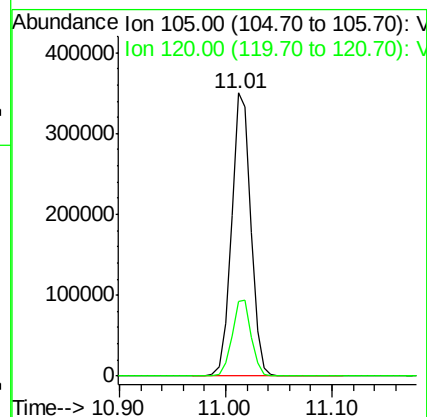
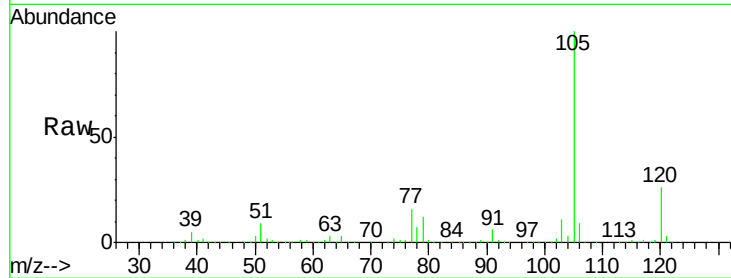
120 26.9 13.7 41.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 51.601 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011398.D

Acq: 09 Aug 2019 09:37

Tgt Ion: 43 Resp: 163006

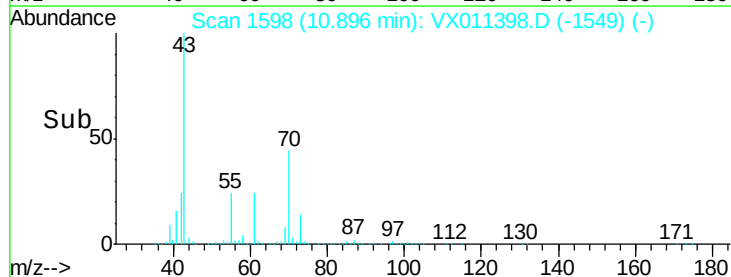
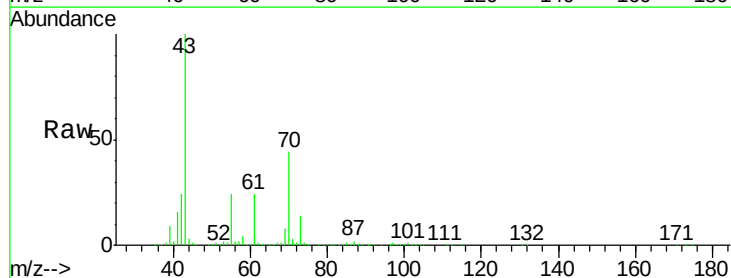
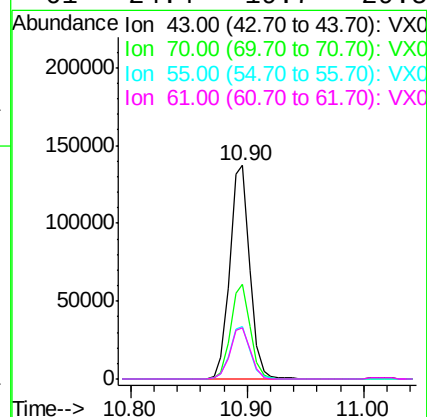
Ion Ratio Lower Upper

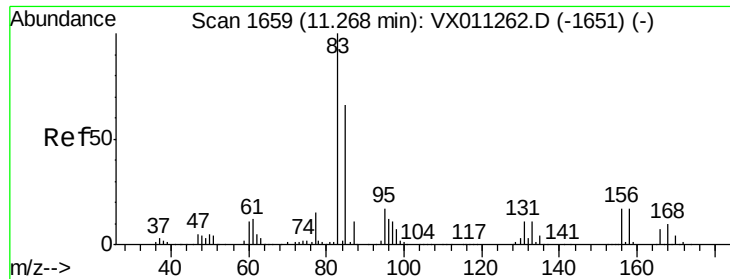
43 100

70 43.4 35.9 53.9

55 24.8 19.8 29.6

61 24.4 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 47.286 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011398.D

Acq: 09 Aug 2019 09:37

Instrument :

MSVOA_X

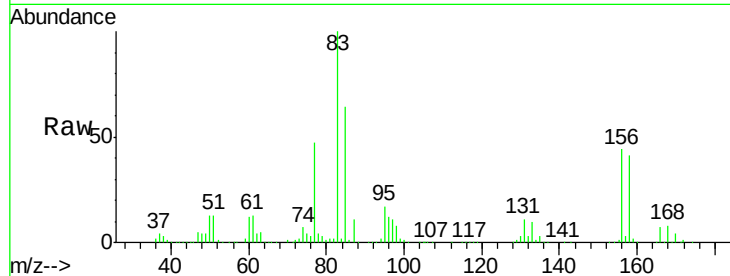
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	137766
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.6	16.8
85	64.7	32.1	96.5

Manual Integrations
APPROVED

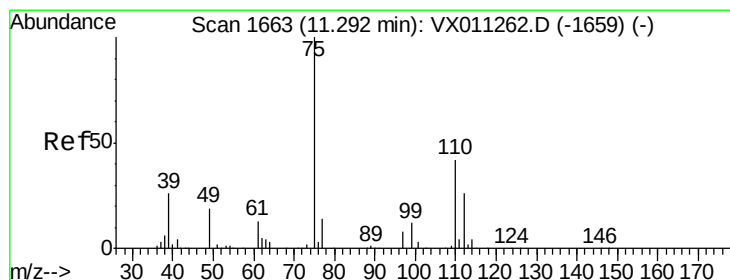
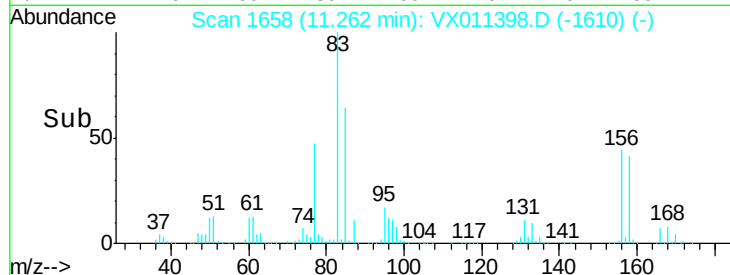
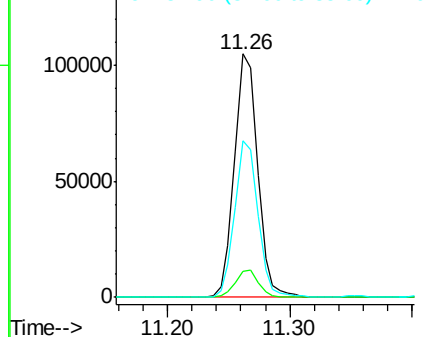
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 50.868 ug/l m

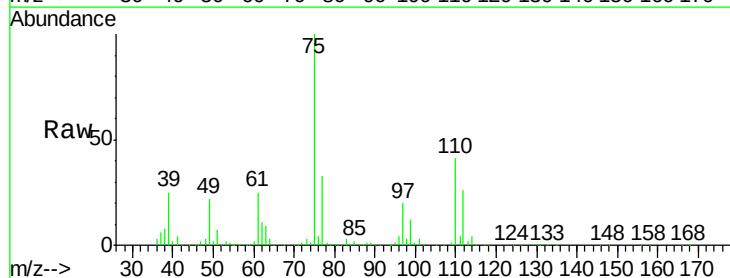
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX011398.D

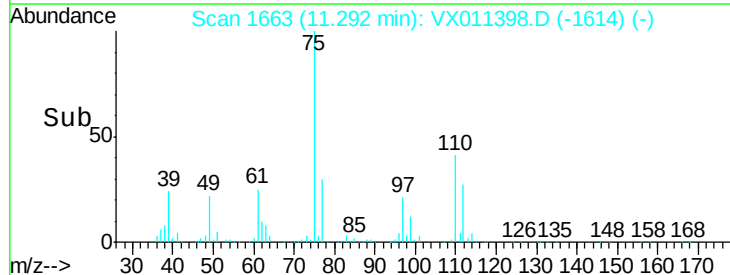
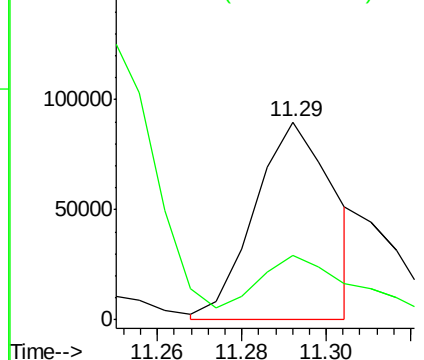
Acq: 09 Aug 2019 09:37

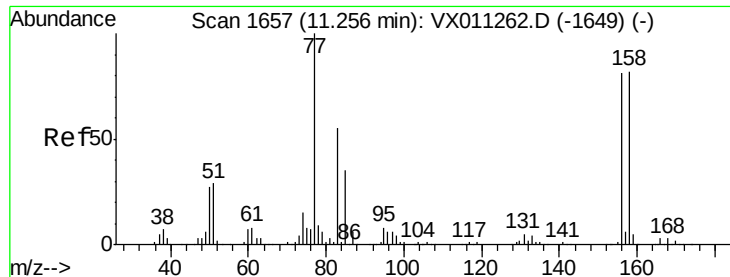
Tgt Ion:	75	Resp:	118416
Ion Ratio	Lower	Upper	
75	100		
77	41.1	21.1	63.4



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 49.034 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011398.D

Acq: 09 Aug 2019 09:37

Instrument :

MSVOA_X

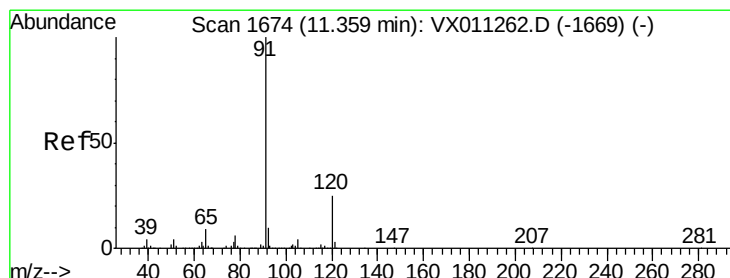
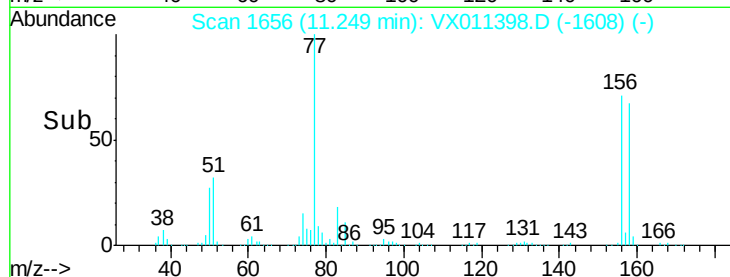
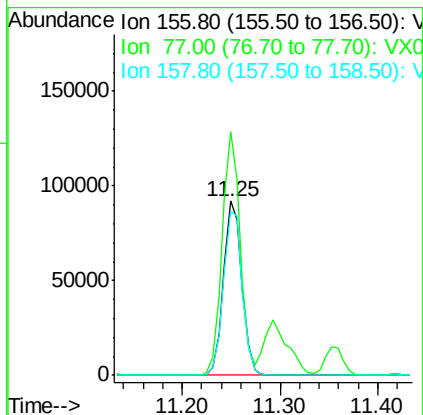
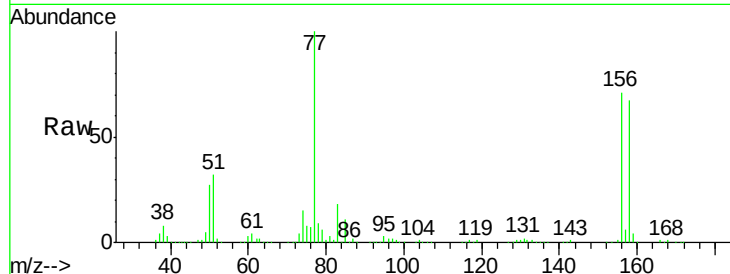
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	118871
Ion	Ratio	Lower	Upper
156	100		
77	138.1	66.2	198.6
158	96.8	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 51.333 ug/l

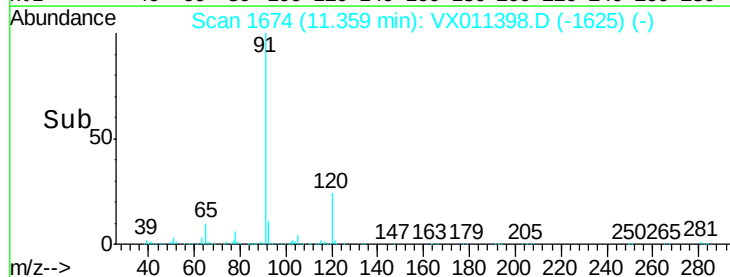
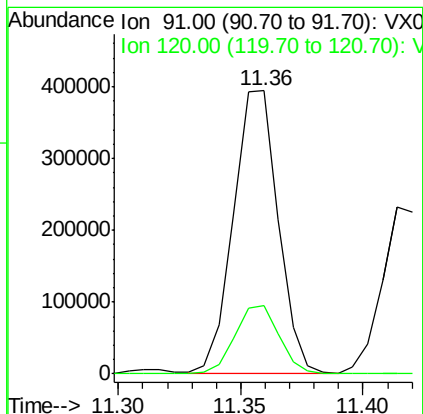
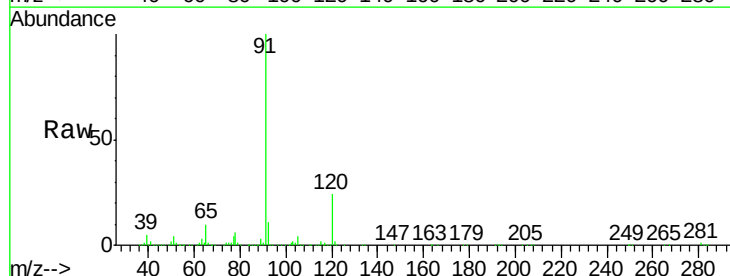
RT: 11.36 min Scan# 1674

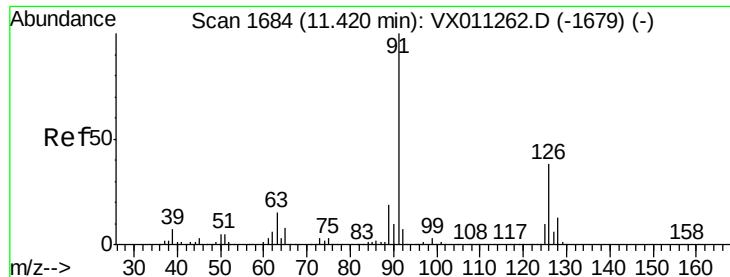
Delta R.T. 0.00 min

Lab File: VX011398.D

Acq: 09 Aug 2019 09:37

Tgt Ion:	91	Resp:	499074
Ion	Ratio	Lower	Upper
91	100		
120	24.2	12.4	37.0





#79

2-Chlorotoluene

Concen: 50.924 ug/l

RT: 11.41 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VX011398.D

Acq: 09 Aug 2019 09:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 295095

Ion Ratio Lower Upper

91 100

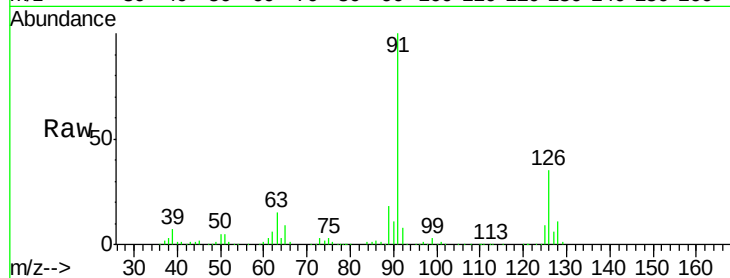
126 35.9 18.5 55.5

Manual Integrations

APPROVED

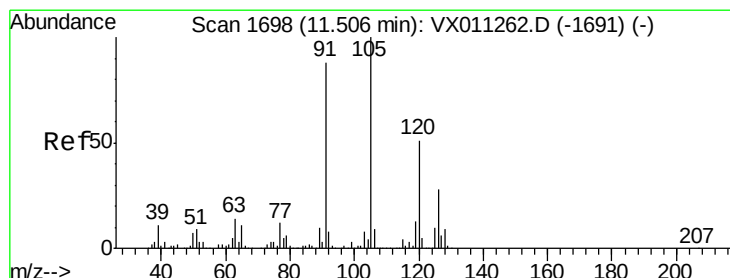
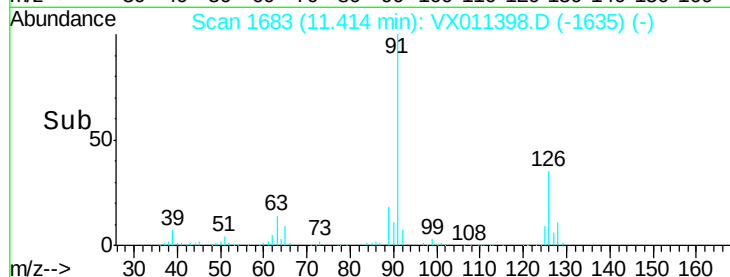
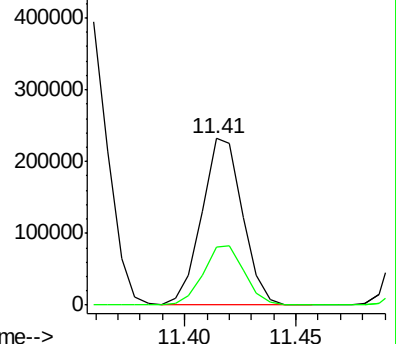
MMDadoda

8/12/2019 12:49:41 PM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 51.506 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011398.D

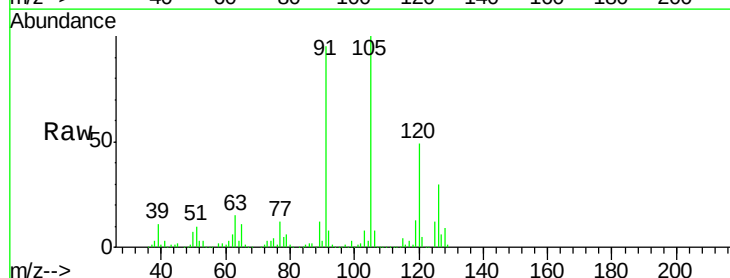
Acq: 09 Aug 2019 09:37

Tgt Ion:105 Resp: 376942

Ion Ratio Lower Upper

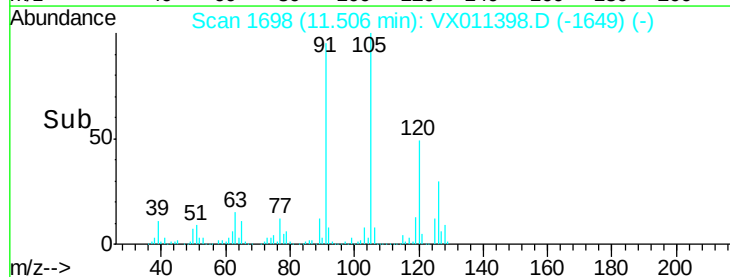
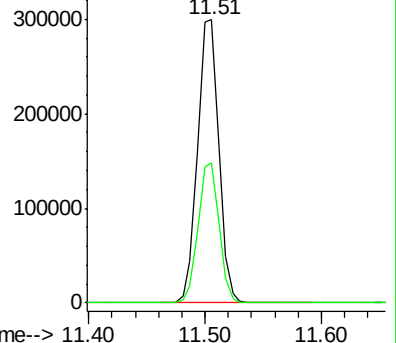
105 100

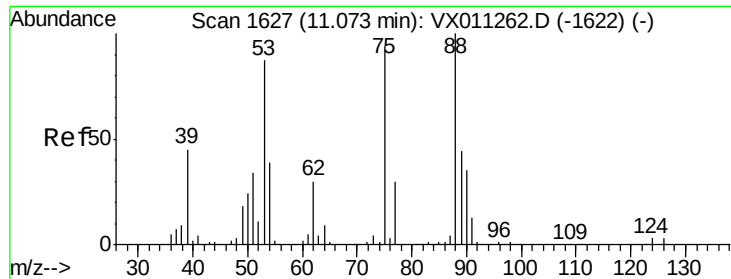
120 49.0 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





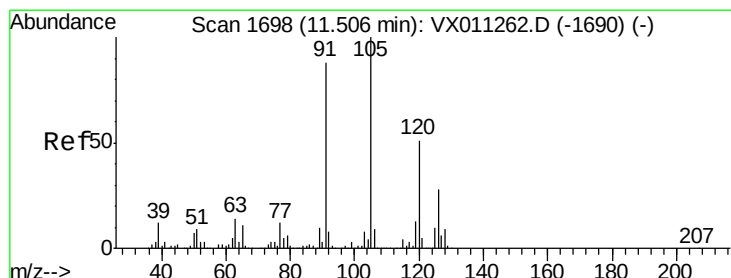
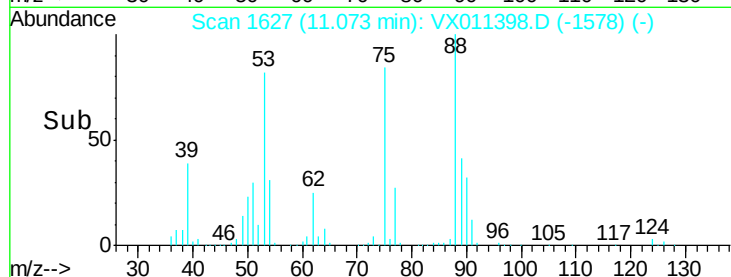
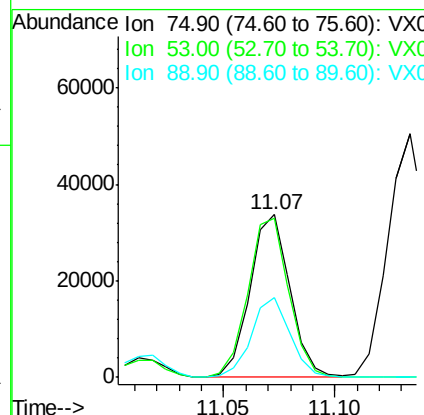
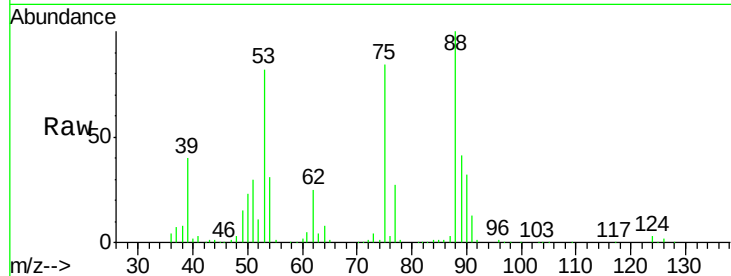
#81
trans-1,4-Dichloro-2-butene
Concen: 47.932 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011398.D
Acq: 09 Aug 2019 09:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.1	78.2	117.4
89	48.4	37.9	56.9

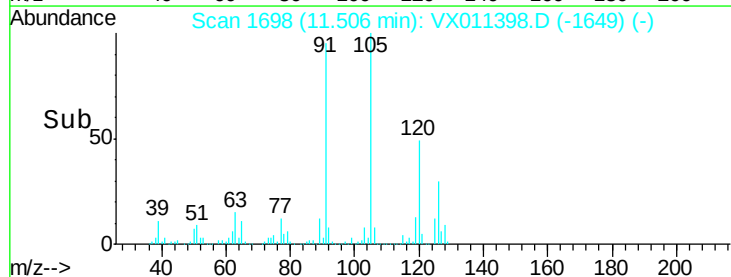
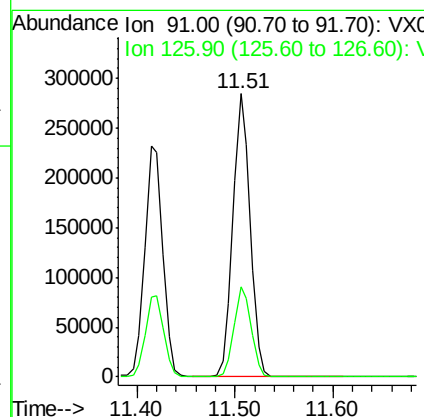
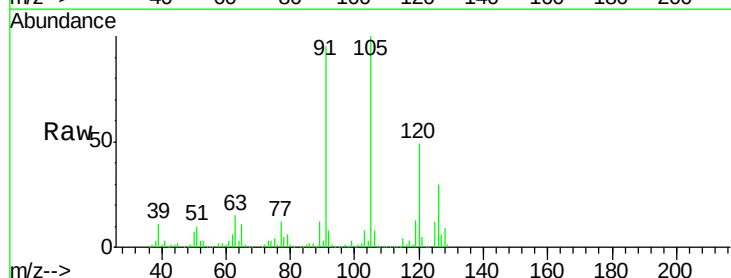
Manual Integrations
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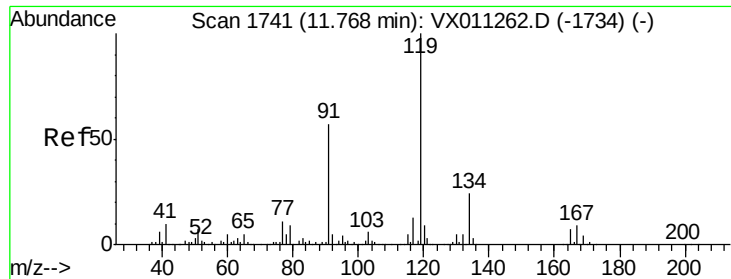
MMDadoda
8/12/2019 12:49:41 PM



#82
4-Chlorotoluene
Concen: 51.763 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011398.D
Acq: 09 Aug 2019 09:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	16.4	49.2





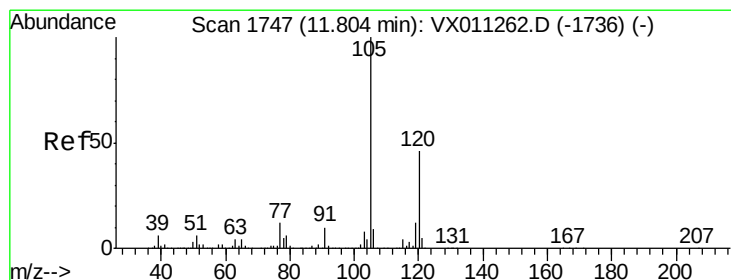
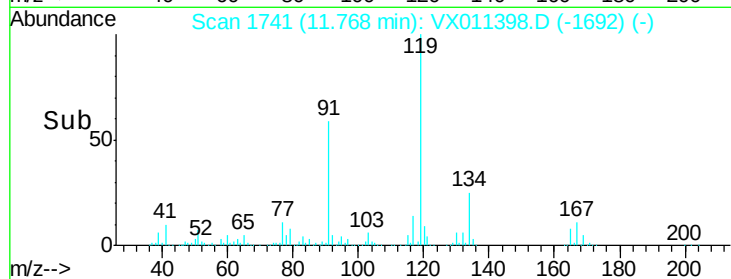
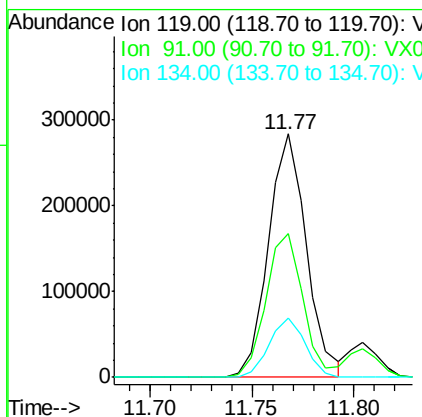
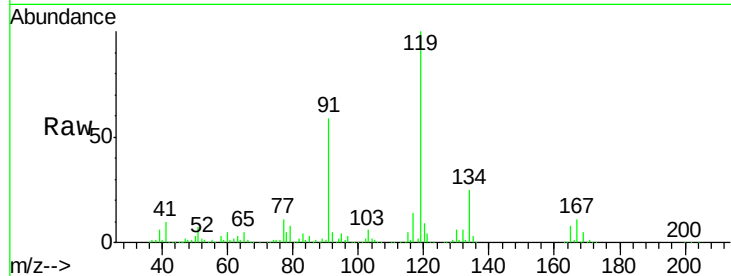
#83
 tert-Butylbenzene
 Concen: 51.221 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011398.D
 Acq: 09 Aug 2019 09:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	367657		
91	56.9	28.0	84.0	
134	23.5	11.9	35.5	

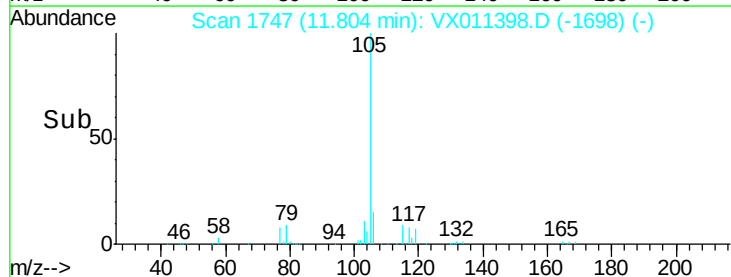
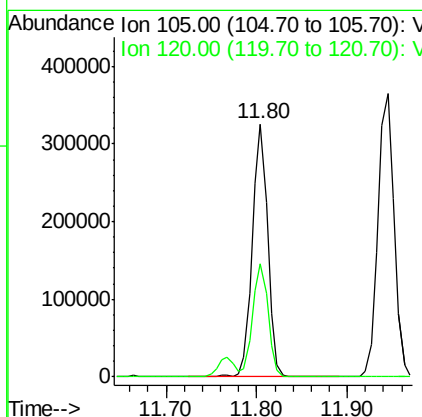
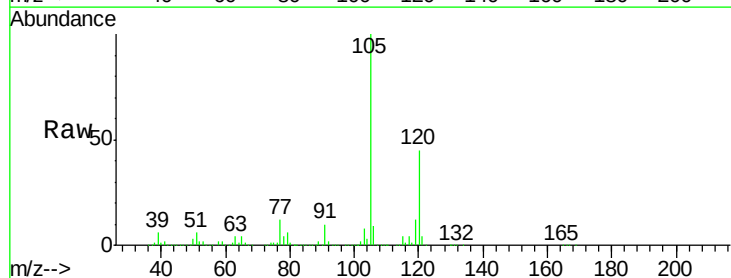
Manual Integrations
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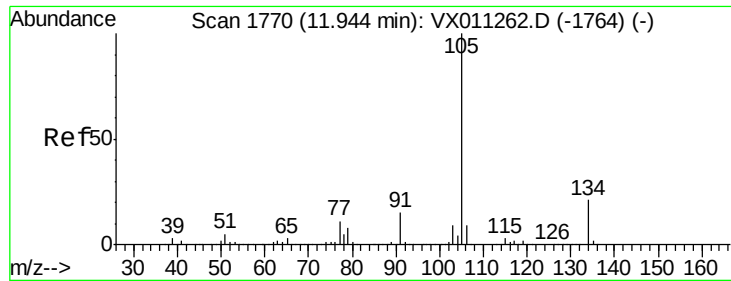
MMDadoda
 8/12/2019 12:49:41 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 52.429 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011398.D
 Acq: 09 Aug 2019 09:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	382023		
120	45.3	23.0	69.0	





#85

sec-Butylbenzene

Concen: 52.089 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011398.D

Acq: 09 Aug 2019 09:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 449207

Ion Ratio Lower Upper

105 100

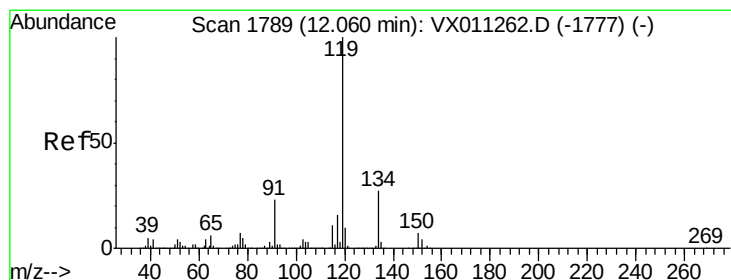
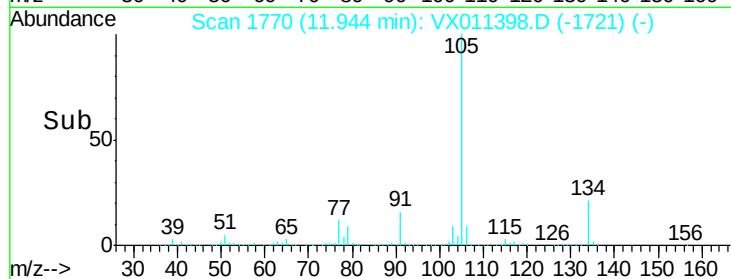
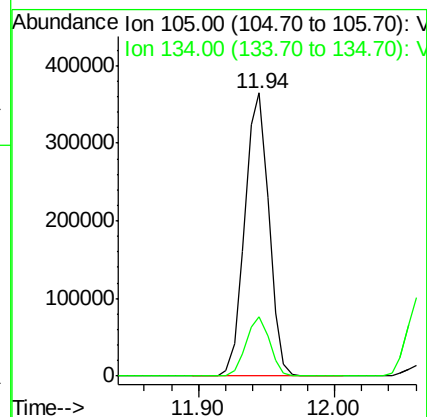
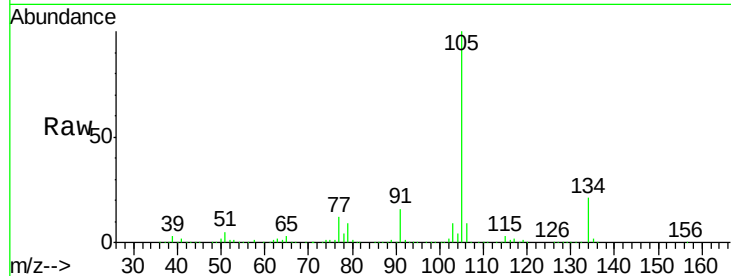
134 20.7 10.4 31.4

Manual Integrations

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8/12/2019 12:49:41 PM



#86

p-Isopropyltoluene

Concen: 52.443 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011398.D

Acq: 09 Aug 2019 09:37

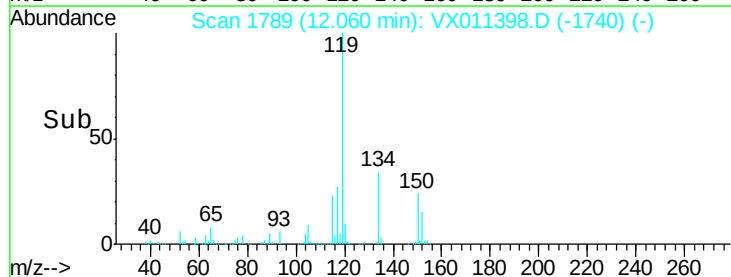
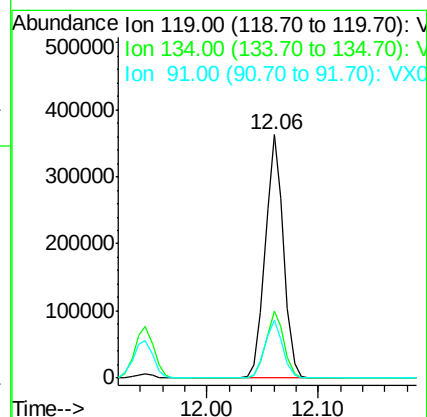
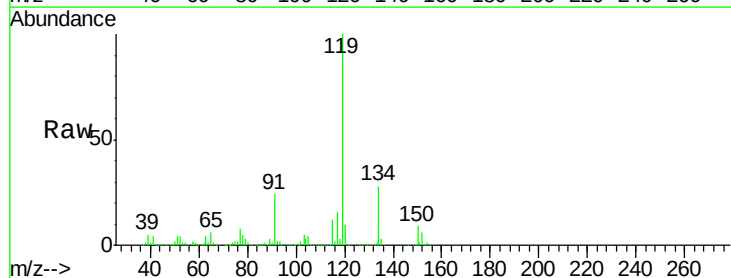
Tgt Ion:119 Resp: 416065

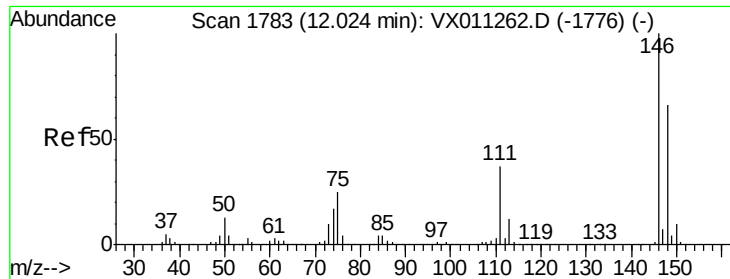
Ion Ratio Lower Upper

119 100

134 27.5 13.7 41.0

91 23.5 11.4 34.2





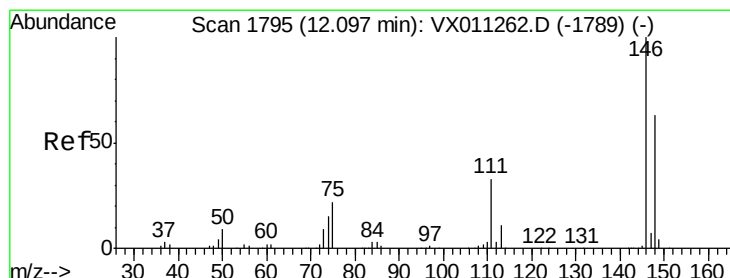
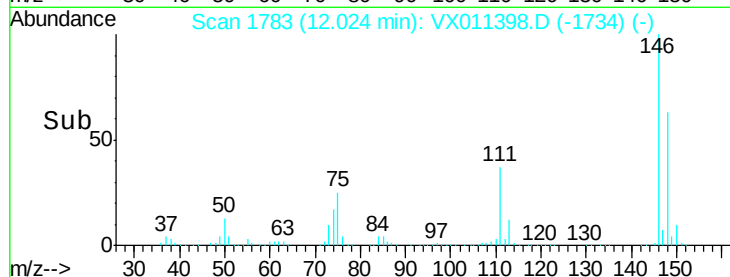
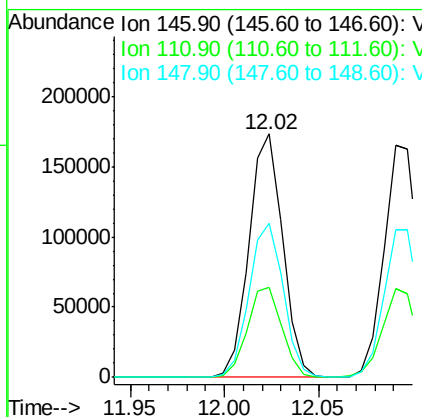
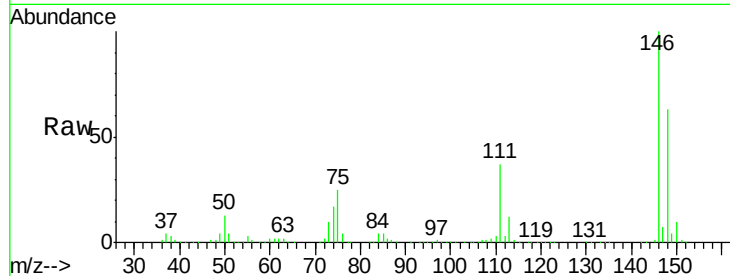
#87
 1,3-Dichlorobenzene
 Concen: 50.314 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011398.D
 Acq: 09 Aug 2019 09:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.6	55.8
148	64.0	32.5	97.5

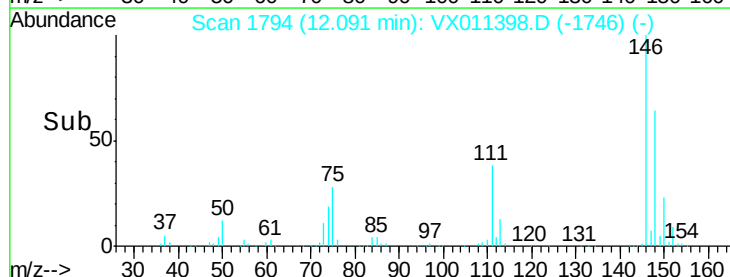
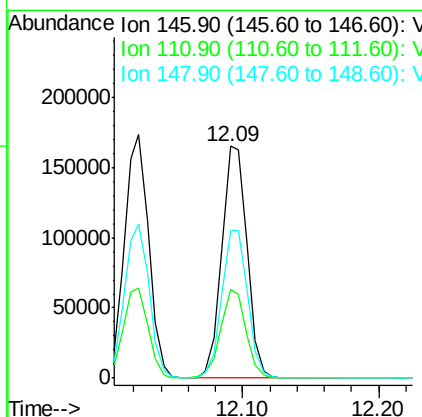
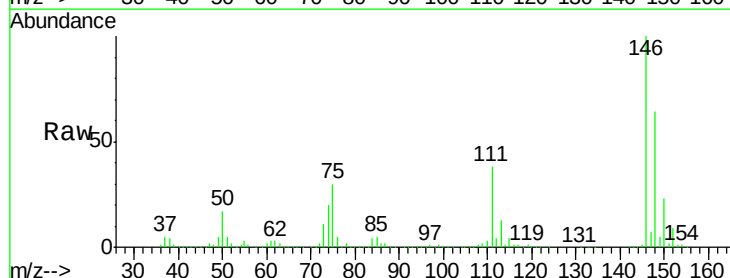
Manual Integrations
 APPROVED

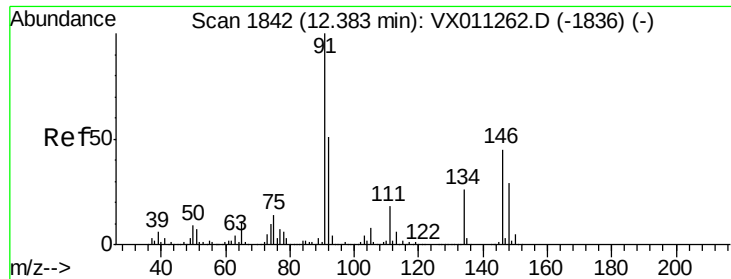
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 8/12/2019 12:49:41 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.154 ug/l
 RT: 12.09 min Scan# 1794
 Delta R.T. -0.01 min
 Lab File: VX011398.D
 Acq: 09 Aug 2019 09:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	17.8	53.4
148	65.1	31.8	95.3





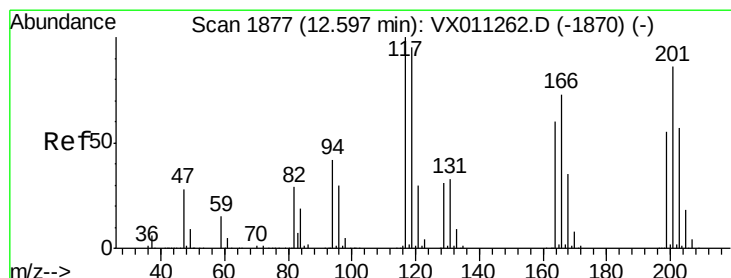
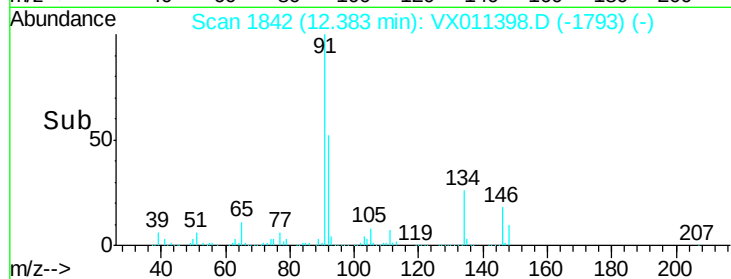
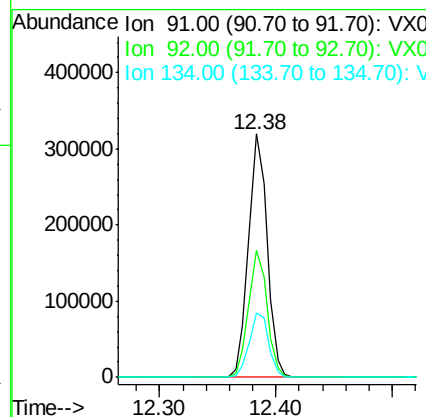
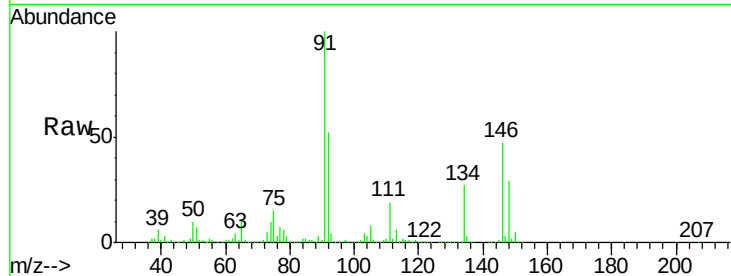
#89
n-Butylbenzene
Concen: 53.015 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011398.D
Acq: 09 Aug 2019 09:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	25.8	77.3
134	27.5	13.7	41.0

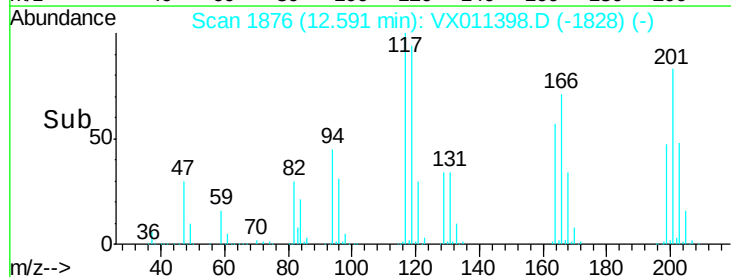
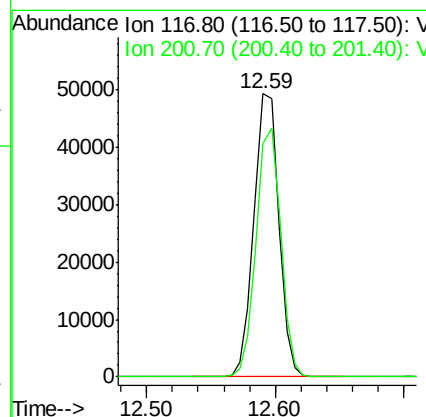
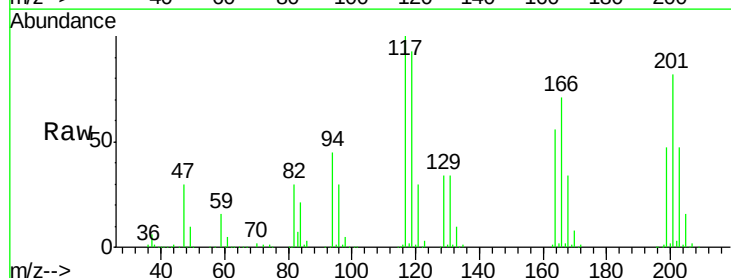
Manual Integrations
APPROVED

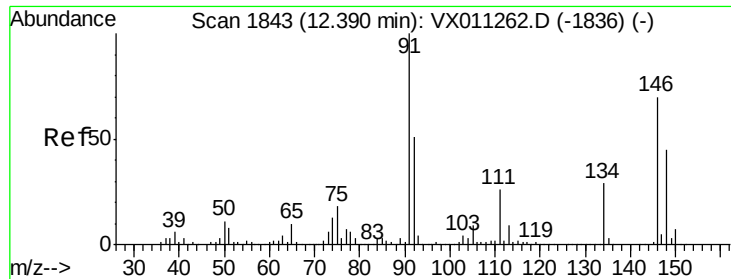
MMDadoda
8/12/2019 12:49:41 PM



#90
Hexachloroethane
Concen: 55.891 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX011398.D
Acq: 09 Aug 2019 09:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.8	41.8	125.4





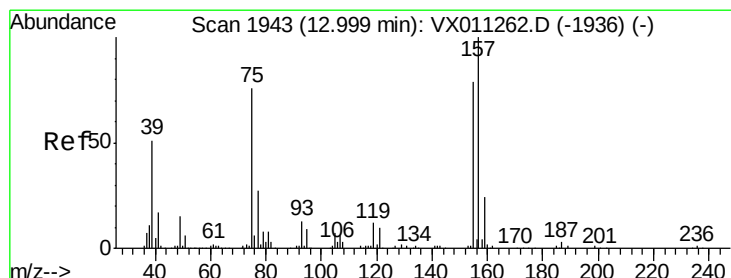
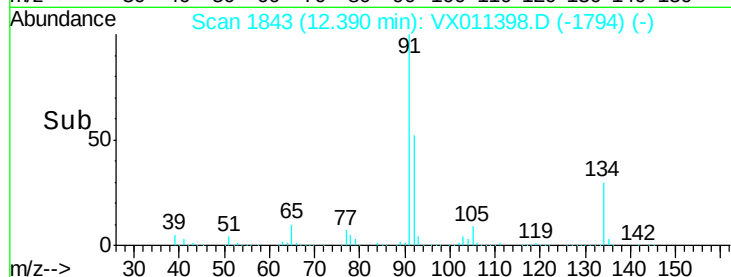
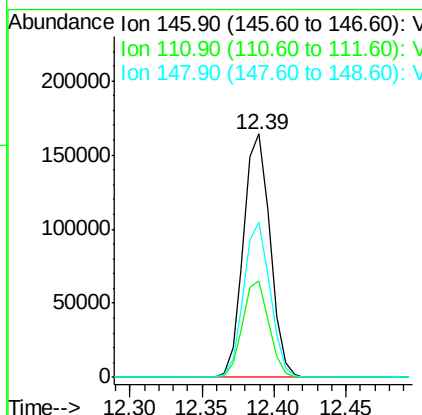
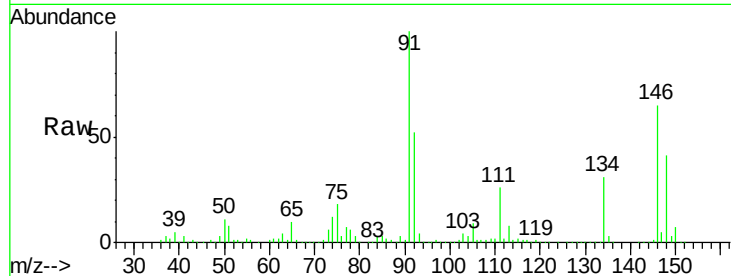
#91
 1,2-Dichlorobenzene
 Concen: 48.874 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011398.D
 Acq: 09 Aug 2019 09:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	210351		
111	39.4	19.1	57.1	
148	63.3	32.3	96.8	

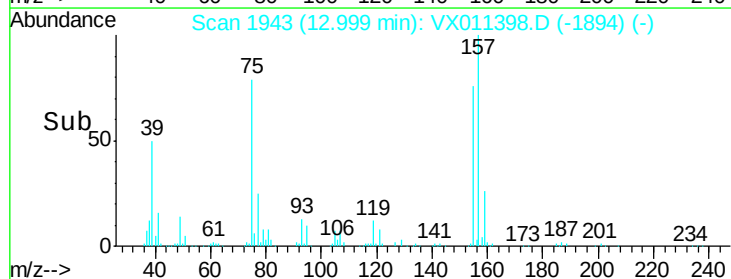
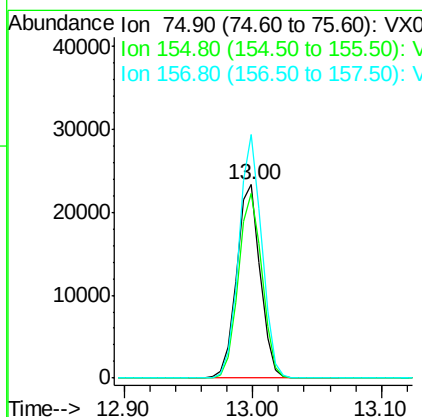
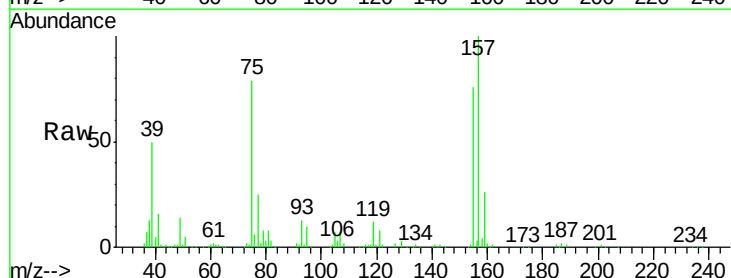
Manual Integrations
 APPROVED

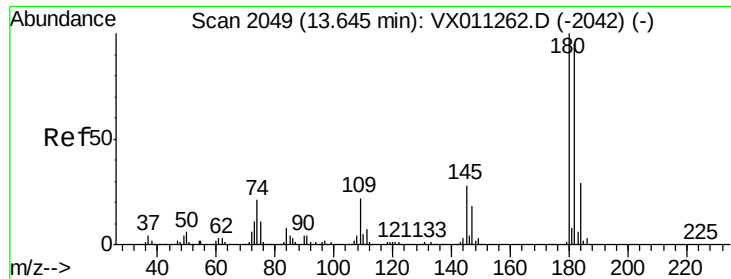
MMDadoda
 8/12/2019 12:49:41 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.962 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX011398.D
 Acq: 09 Aug 2019 09:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	29895		
155	94.7	51.9	155.8	
157	120.3	64.3	192.7	





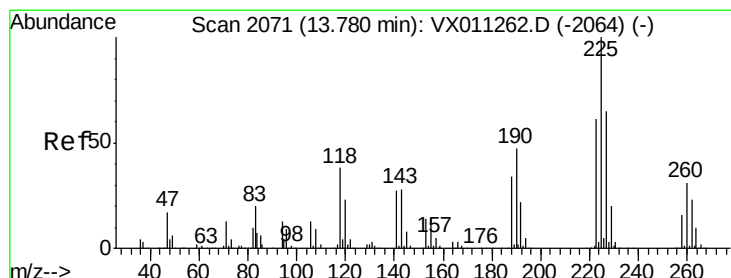
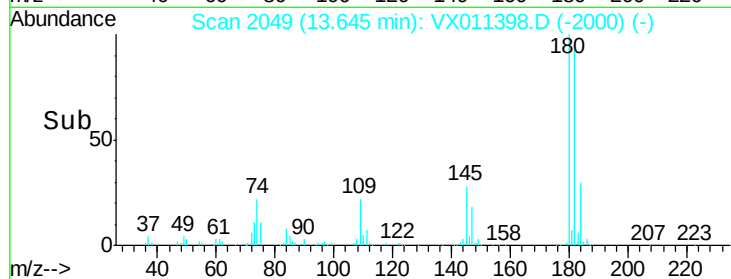
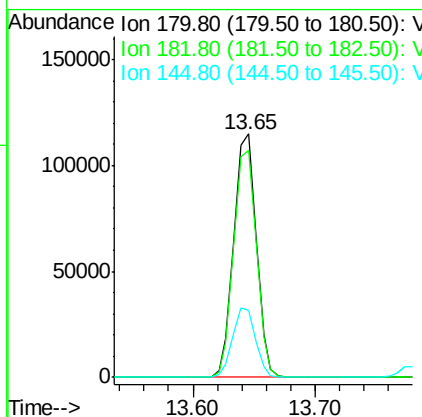
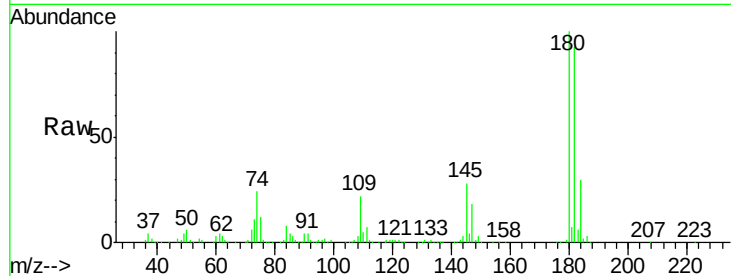
#93
 1,2,4-Trichlorobenzene
 Concen: 51.007 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX011398.D
 Acq: 09 Aug 2019 09:37

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	145588		
182	95.0	47.8	143.4	
145	28.9	14.8	44.3	

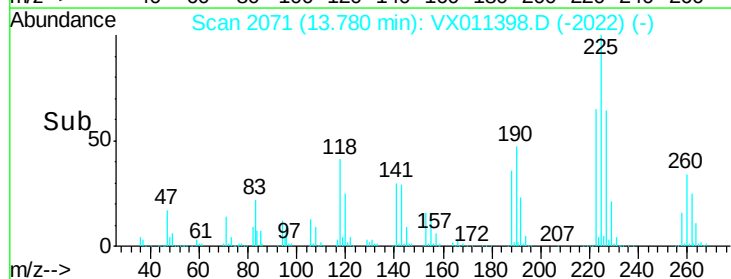
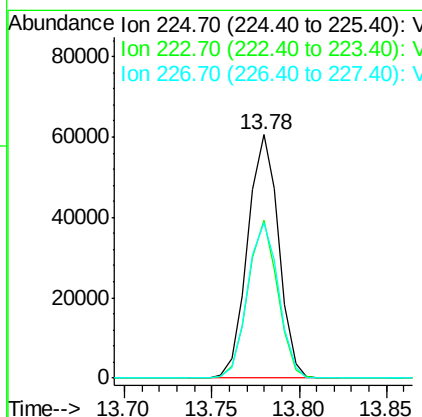
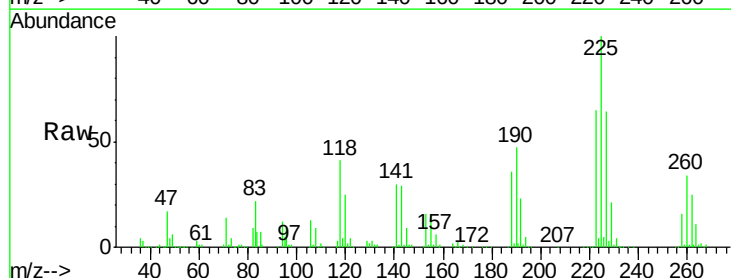
Manual Integrations
 APPROVED

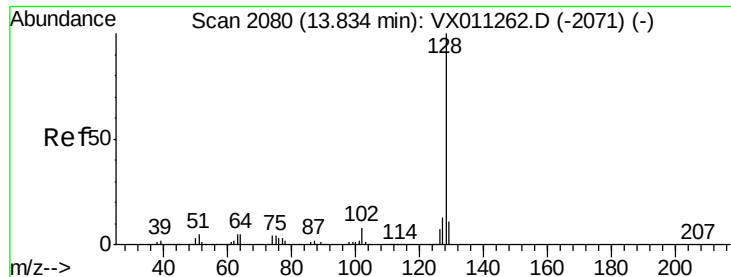
MMDadoda
 8/12/2019 12:49:41 PM



#94
 Hexachlorobutadiene
 Concen: 51.345 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011398.D
 Acq: 09 Aug 2019 09:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	74354		
223	62.3	31.0	93.0	
227	64.1	32.2	96.6	





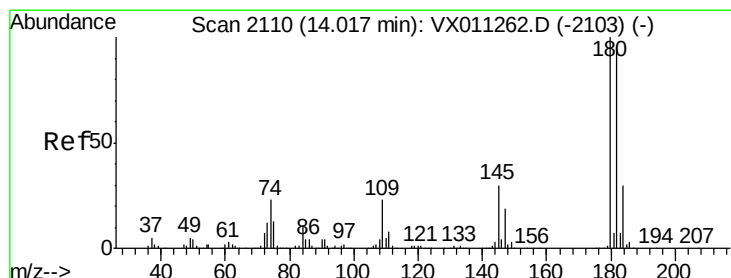
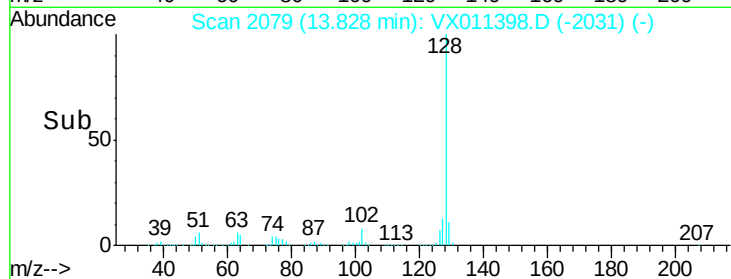
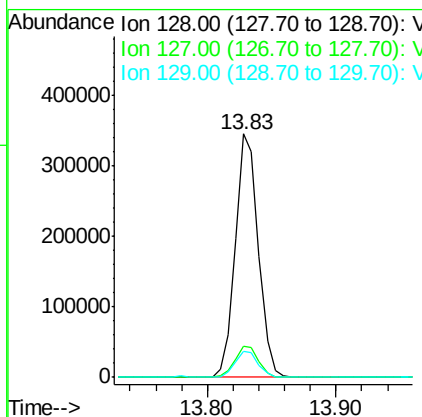
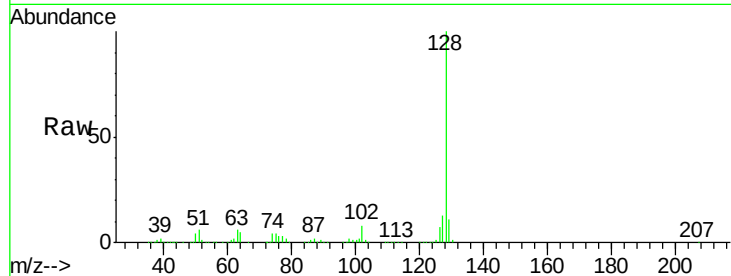
#95
Naphthalene
Concen: 51.559 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX011398.D
Acq: 09 Aug 2019 09:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	128	Resp:	430365
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	11.0	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
8/12/2019 12:49:41 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.145 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX011398.D
Acq: 09 Aug 2019 09:37

Tgt Ion:	180	Resp:	145509
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.4	142.3
145	30.8	15.2	45.6

