

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091819\
 Data File : VX012491.D
 Acq On : 18 Sep 2019 22:24
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/19/2019 1:06:12 PM

Quant Time: Sep 19 08:04:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	197698	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	329242	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	298003	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	145418	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	132525	46.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.54%	
35) Dibromofluoromethane	5.48	113	98499	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
50) Toluene-d8	8.71	98	360051	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
62) 4-Bromofluorobenzene	11.14	95	148612	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	64897	49.208	ug/l	98
3) Chloromethane	1.32	50	54918	50.528	ug/l	98
4) Vinyl Chloride	1.40	62	60973	51.904	ug/l	96
5) Bromomethane	1.62	94	21442	46.459	ug/l	90
6) Chloroethane	1.71	64	41405	45.041	ug/l	100
7) Trichlorofluoromethane	1.92	101	114558	53.197	ug/l	94
8) Diethyl Ether	2.18	74	49939	51.343	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	79246	50.861	ug/l	99
10) Methyl Iodide	2.50	142	64432	48.350	ug/l	97
11) Tert butyl alcohol	3.04	59	176644	245.741	ug/l	99
12) 1,1-Dichloroethene	2.36	96	64850	52.175	ug/l	95
13) Acrolein	2.28	56	61348	246.552	ug/l	99
14) Allyl chloride	2.72	41	148358	51.269	ug/l	99
15) Acrylonitrile	3.13	53	314496	256.141	ug/l	100
16) Acetone	2.44	43	292371	225.035	ug/l	100
17) Carbon Disulfide	2.56	76	81551	46.524	ug/l	97
18) Methyl Acetate	2.76	43	152866	51.775	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	352066	51.951	ug/l	97
20) Methylene Chloride	2.84	84	87748	51.172	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	69078	53.520	ug/l	96
22) Diisopropyl ether	3.84	45	352474	52.022	ug/l	99
23) Vinyl Acetate	3.80	43	1468417	263.462	ug/l	99
24) 1,1-Dichloroethane	3.69	63	172034	53.067	ug/l	98
25) 2-Butanone	4.66	43	461173	234.642	ug/l	98
26) 2,2-Dichloropropane	4.57	77	133239	41.791	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	101070	52.419	ug/l	95
28) Bromochloromethane	5.00	49	81092	48.521	ug/l	96
29) Tetrahydrofuran	5.11	42	282172	259.880	ug/l	99
30) Chloroform	5.20	83	189153	50.805	ug/l	99
31) Cyclohexane	5.57	56	101616	51.926	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	161884	52.024	ug/l	100
36) 1,1-Dichloropropene	5.79	75	103202	51.576	ug/l	97
37) Ethyl Acetate	4.83	43	167691	54.596	ug/l	99
38) Carbon Tetrachloride	5.78	117	131524	52.849	ug/l	100

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	101893	52.381	ug/l	97
40) Benzene	6.13	78	343044	53.912	ug/l	99
41) Methacrylonitrile	5.03	41	98738	49.925	ug/l	99
42) 1,2-Dichloroethane	6.18	62	152461	51.660	ug/l	100
43) Isopropyl Acetate	6.43	43	285680	51.821	ug/l	99
44) Trichloroethene	7.21	130	90567	54.108	ug/l	97
45) 1,2-Dichloropropane	7.51	63	101457	51.899	ug/l	100
46) Dibromomethane	7.65	93	67539	53.388	ug/l	99
47) Bromodichloromethane	7.89	83	149786	53.177	ug/l	99
48) Methyl methacrylate	7.76	41	136681	52.597	ug/l	99
49) 1,4-Dioxane	7.73	88	63690	1007.005	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	937886	259.426	ug/l	99
52) Toluene	8.78	92	222907	54.366	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	155185	53.000	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	161339	53.225	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	112204	53.118	ug/l	99
56) Ethyl methacrylate	9.17	69	176514	53.446	ug/l	99
57) 1,3-Dichloropropane	9.37	76	179404	53.231	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	455133	266.223	ug/l	100
59) 2-Hexanone	9.49	43	714464	253.313	ug/l	98
60) Dibromochloromethane	9.58	129	119838	55.695	ug/l	99
61) 1,2-Dibromoethane	9.67	107	106735	55.325	ug/l	99
64) Tetrachloroethene	9.33	164	80432	58.900	ug/l	97
65) Chlorobenzene	10.14	112	262448	53.359	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	112600	55.161	ug/l	100
67) Ethyl Benzene	10.25	91	453537	53.671	ug/l	98
68) m/p-Xylenes	10.35	106	337139	109.651	ug/l	98
69) o-Xylene	10.70	106	172233	54.470	ug/l	100
70) Styrene	10.71	104	308516	55.146	ug/l	99
71) Bromoform	10.85	173	86609	49.319	ug/l	99
73) Isopropylbenzene	11.01	105	477675	52.353	ug/l	98
74) N-amyl acetate	10.89	43	260535	53.038	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	186191	52.021	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	172568m	51.661	ug/l	
77) Bromobenzene	11.25	156	121516	54.609	ug/l	97
78) n-propylbenzene	11.35	91	543079	53.404	ug/l	98
79) 2-Chlorotoluene	11.42	91	339808	51.364	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	411264	52.852	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	54303	44.963	ug/l	97
82) 4-Chlorotoluene	11.51	91	400099	52.695	ug/l	100
83) tert-Butylbenzene	11.76	119	428710	51.416	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	427009	53.445	ug/l	100
85) sec-Butylbenzene	11.94	105	485404	52.830	ug/l	99
86) p-Isopropyltoluene	12.06	119	447882	53.086	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	222401	53.132	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	225760	52.506	ug/l	100
89) n-Butylbenzene	12.39	91	382872	50.861	ug/l	99
90) Hexachloroethane	12.59	117	82282	53.189	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	230699	52.732	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	49508	53.354	ug/l	98

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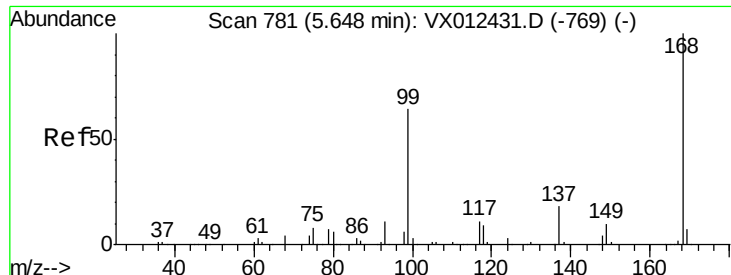
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Sep 17 15:27:10 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	156388	55.497	ug/l	99
94) Hexachlorobutadiene	13.78	225	65752	49.506	ug/l	99
95) Naphthalene	13.83	128	582363	58.080	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	162055	56.434	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012491.D

Acq: 18 Sep 2019 22:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 197698

Ion Ratio Lower Upper

168 100

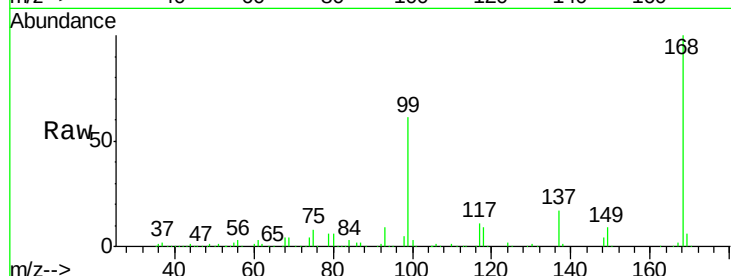
99 60.8 51.4 77.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

80000

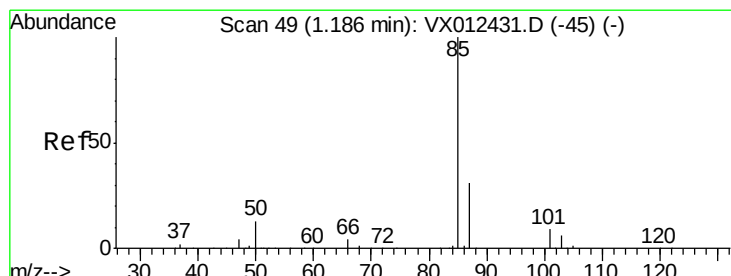
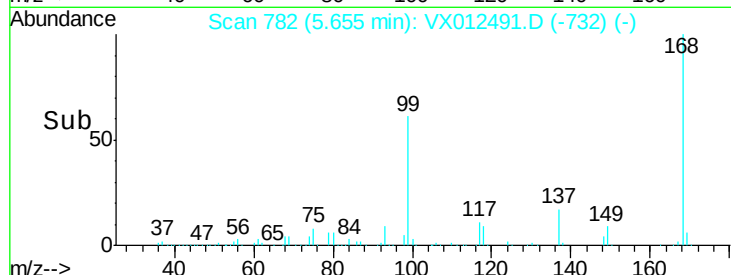
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.208 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012491.D

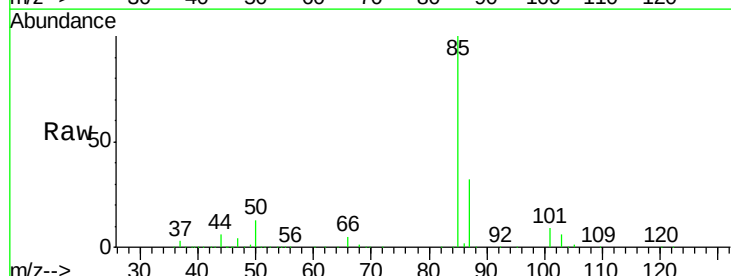
Acq: 18 Sep 2019 22:24

Tgt Ion: 85 Resp: 64897

Ion Ratio Lower Upper

85 100

87 32.3 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

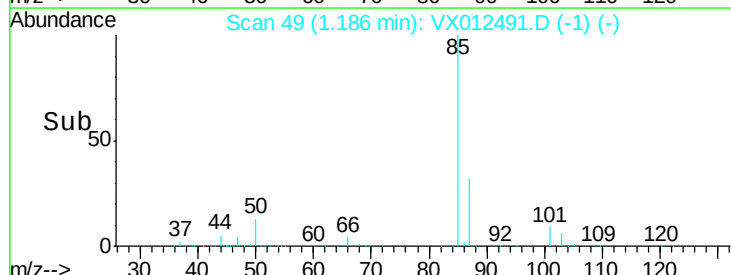
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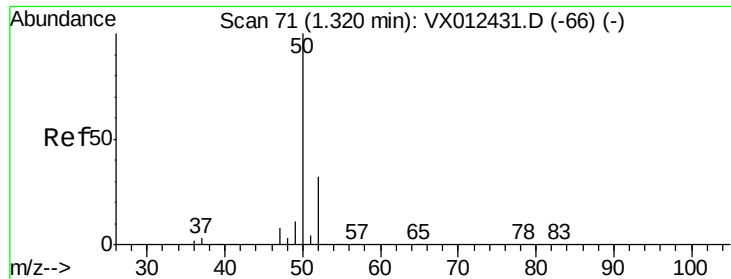
40000

20000

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Time-->





#3

Chloromethane

Concen: 50.528 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012491.D

Acq: 18 Sep 2019 22:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 54918

Ion Ratio Lower Upper

50 100

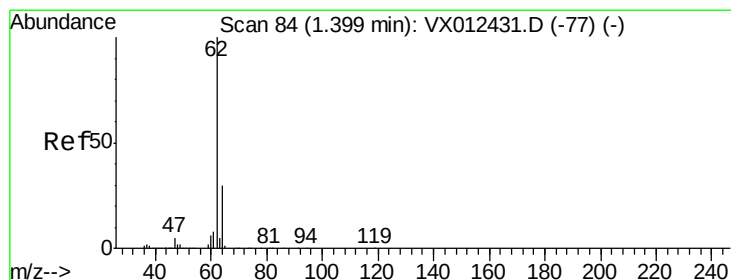
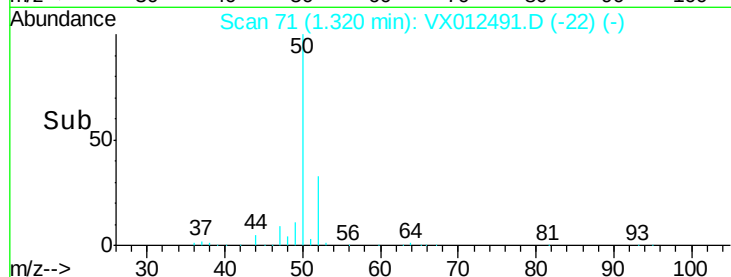
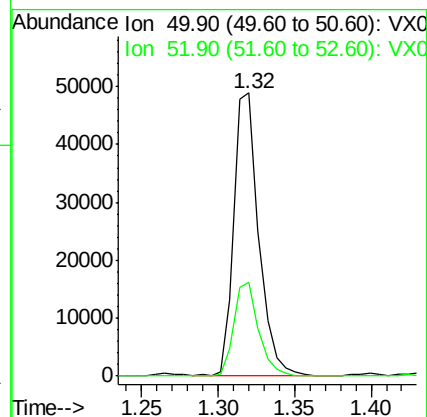
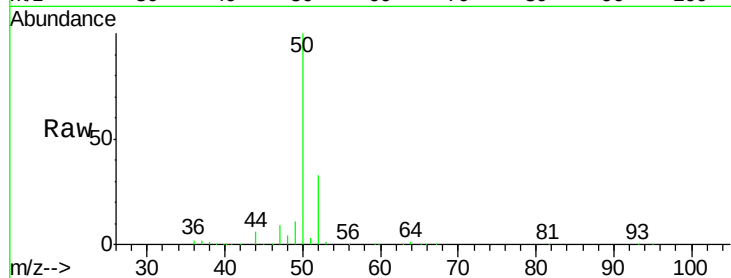
52 33.3 25.7 38.5

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#4

Vinyl Chloride

Concen: 51.904 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012491.D

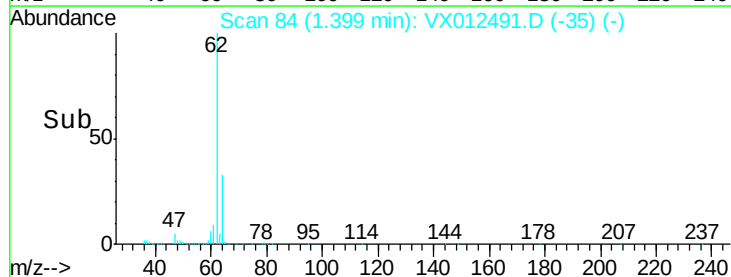
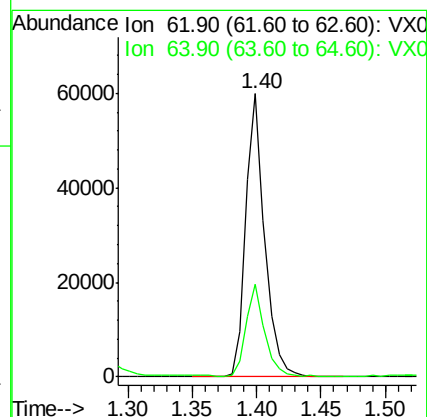
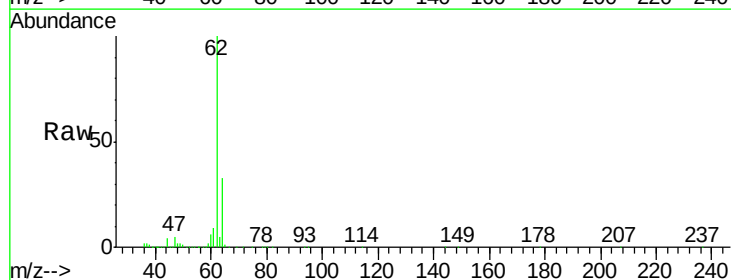
Acq: 18 Sep 2019 22:24

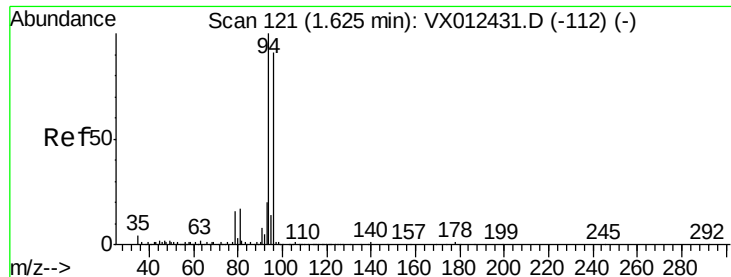
Tgt Ion: 62 Resp: 60973

Ion Ratio Lower Upper

62 100

64 32.2 24.2 36.2





#5

Bromomethane

Concen: 46.459 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012491.D

Acq: 18 Sep 2019 22:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 21442

Ion Ratio Lower Upper

94 100

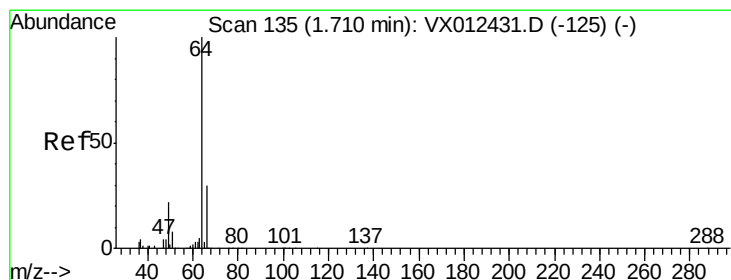
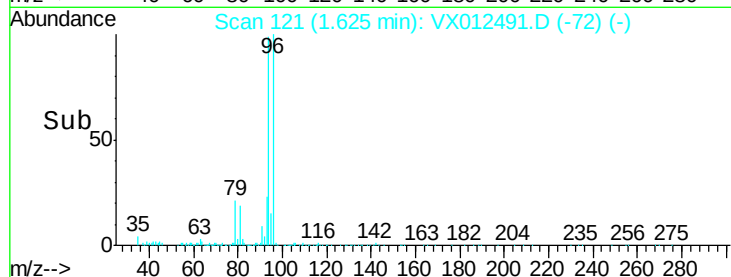
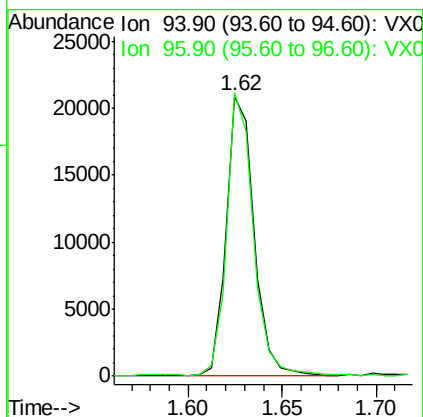
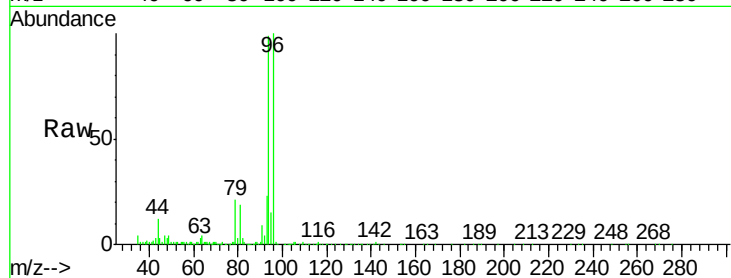
96 100.9 72.8 109.2

Manual Integrations

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#6

Chloroethane

Concen: 45.041 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX012491.D

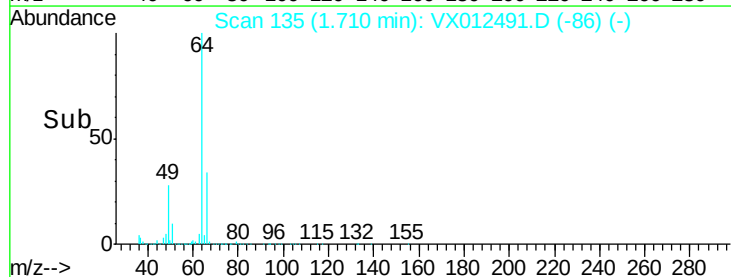
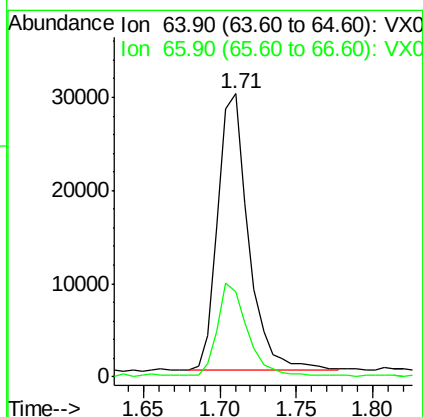
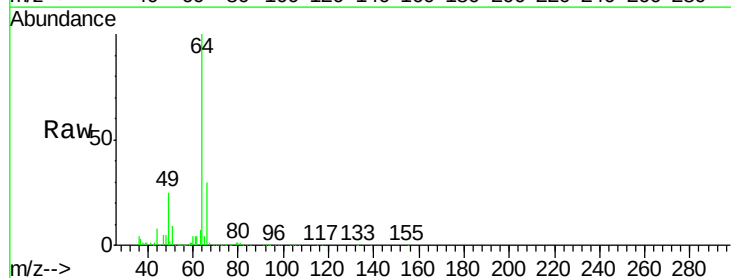
Acq: 18 Sep 2019 22:24

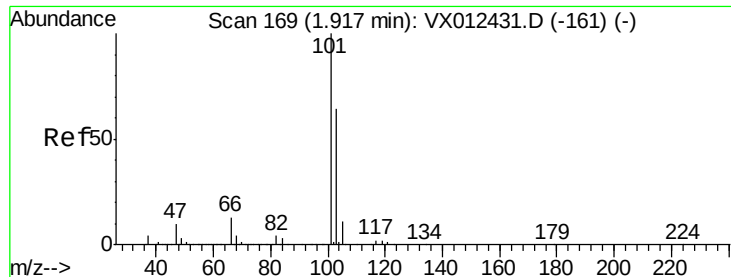
Tgt Ion: 64 Resp: 41405

Ion Ratio Lower Upper

64 100

66 30.1 24.0 36.0





#7

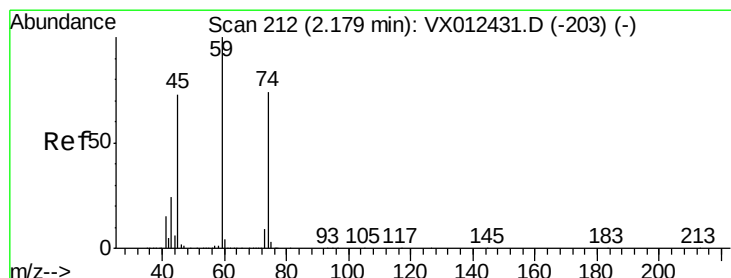
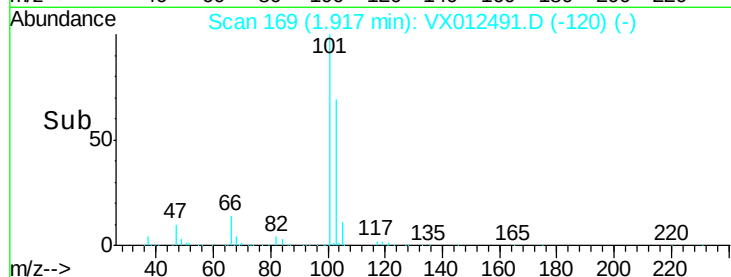
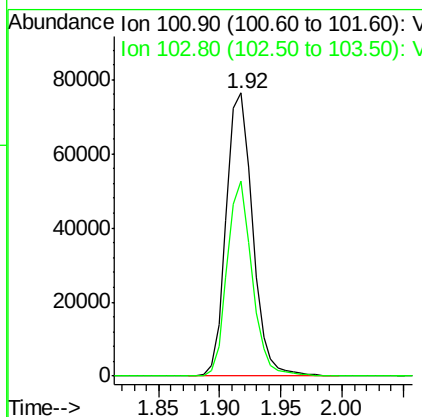
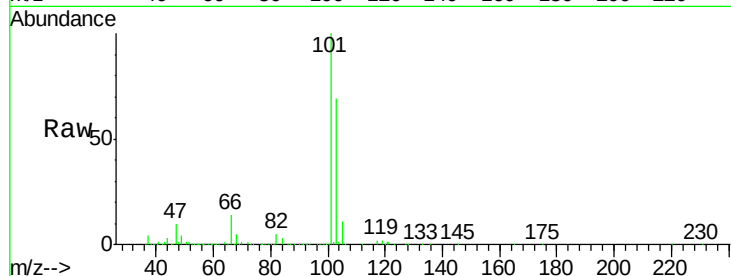
Trichlorofluoromethane
 Concen: 53.197 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX012491.D
 Acq: 18 Sep 2019 22:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.8	51.0	76.4

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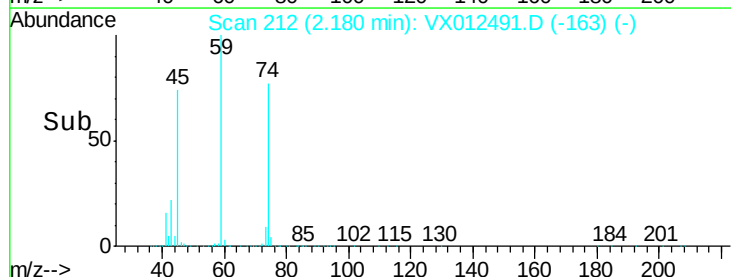
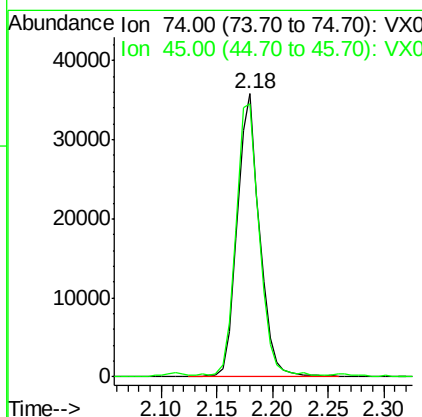
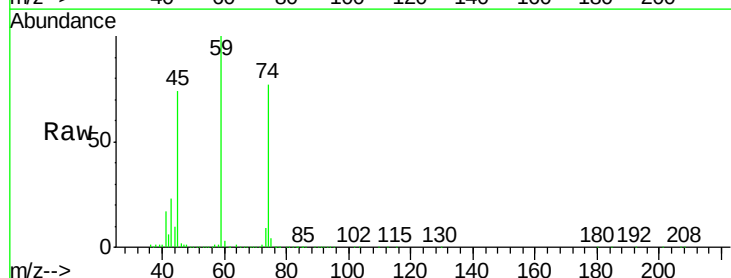
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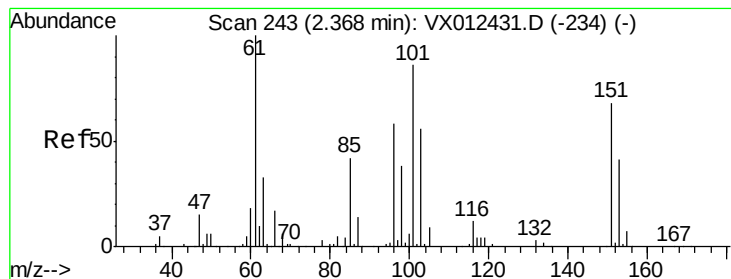


#8

Diethyl Ether
 Concen: 51.343 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX012491.D
 Acq: 18 Sep 2019 22:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.3	49.9	149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.861 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX012491.D

Acq: 18 Sep 2019 22:24

Instrument :

MSVOA_X

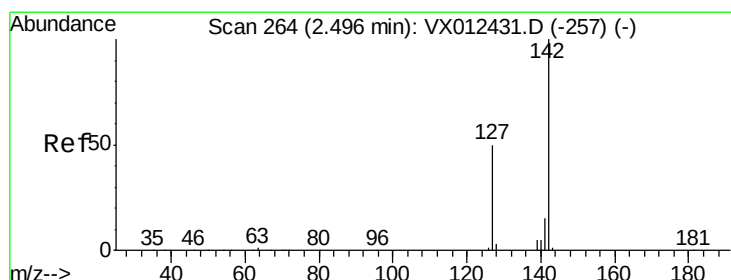
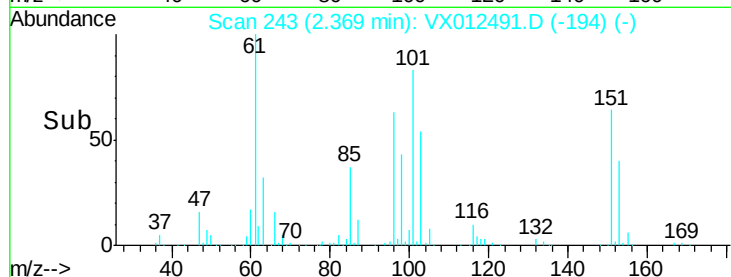
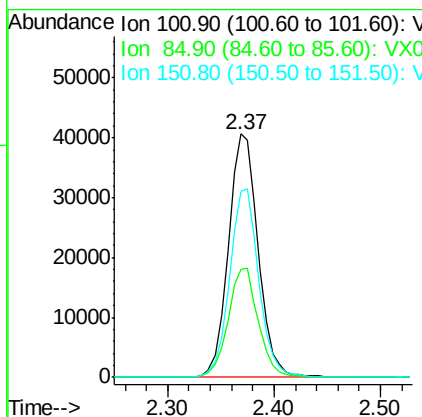
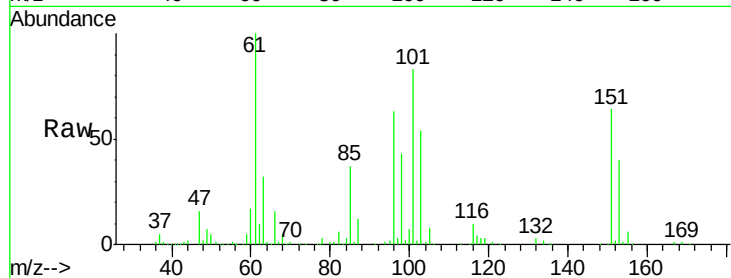
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	79246
Ion Ratio	Lower	Upper	
101	100		
85	45.6	37.3	55.9
151	76.4	61.0	91.4

Manual Integrations
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#10

Methyl Iodide

Concen: 48.350 ug/l

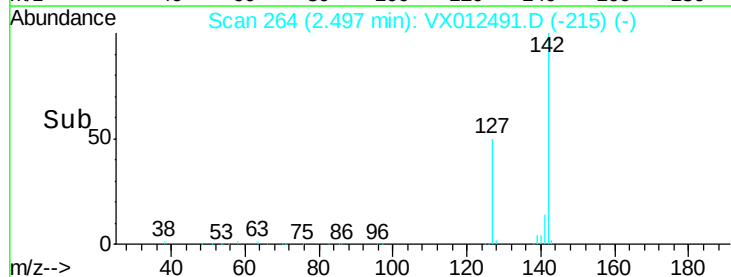
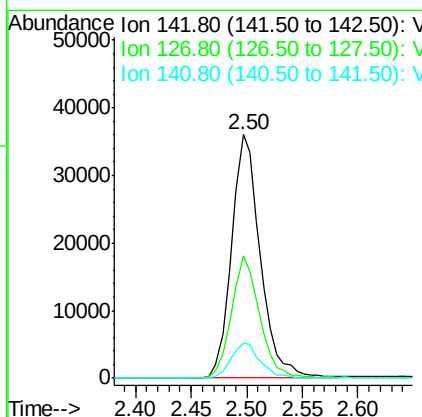
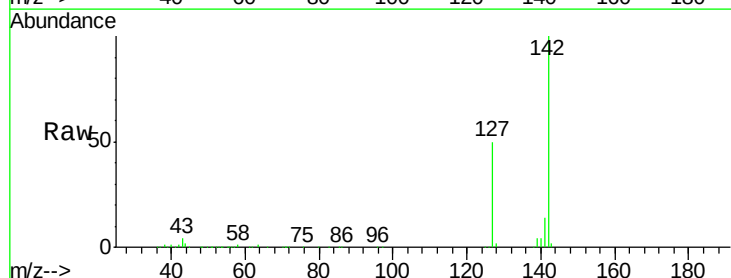
RT: 2.50 min Scan# 264

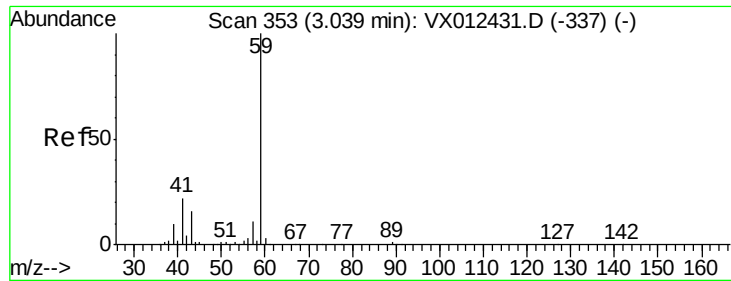
Delta R.T. 0.00 min

Lab File: VX012491.D

Acq: 18 Sep 2019 22:24

Tgt Ion:	142	Resp:	64432
Ion Ratio	Lower	Upper	
142	100		
127	48.8	40.8	61.2
141	14.6	12.1	18.1





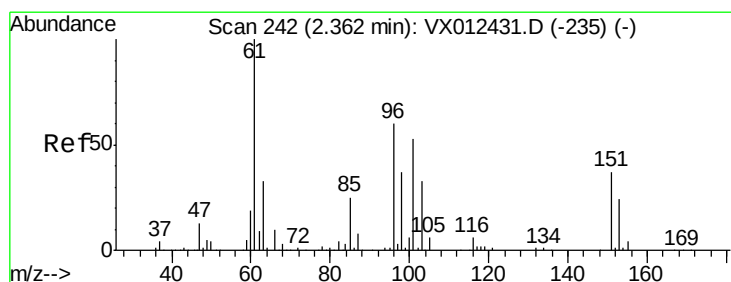
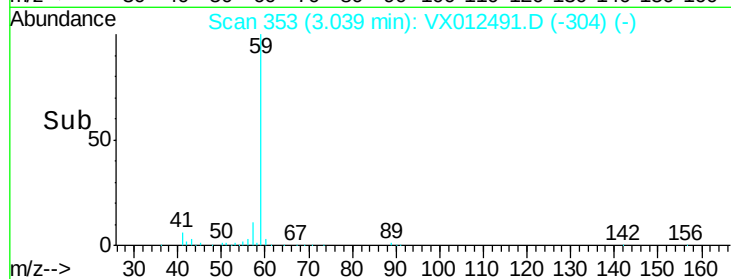
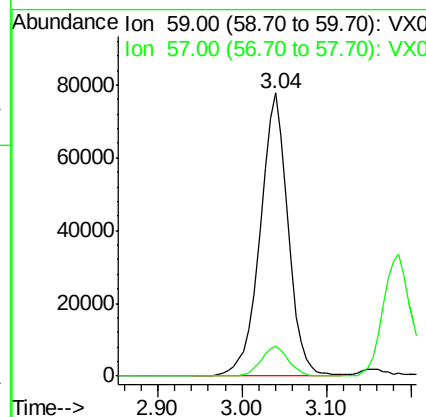
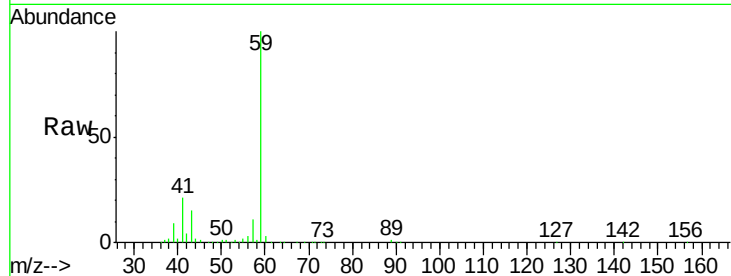
#11
Tert butyl alcohol
Concen: 245.741 ug/l
RT: 3.04 min Scan# 353
Delta R.T. 0.00 min
Lab File: VX012491.D
Acq: 18 Sep 2019 22:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 176644
Ion Ratio Lower Upper
59 100
57 10.6 8.3 12.5

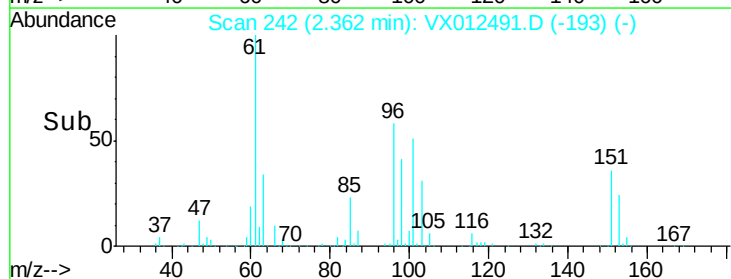
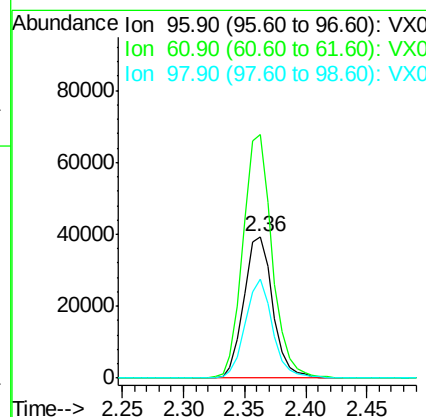
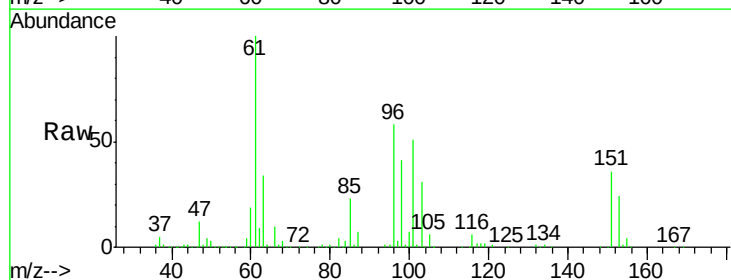
Manual Integrations
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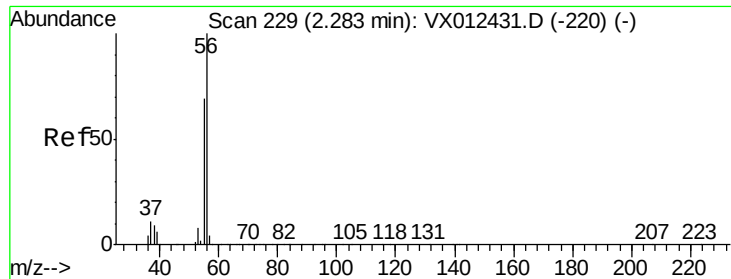
MMDadoda
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#12
1,1-Dichloroethene
Concen: 52.175 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX012491.D
Acq: 18 Sep 2019 22:24

Tgt Ion: 96 Resp: 64850
Ion Ratio Lower Upper
96 100
61 172.0 133.8 200.6
98 69.8 49.9 74.9





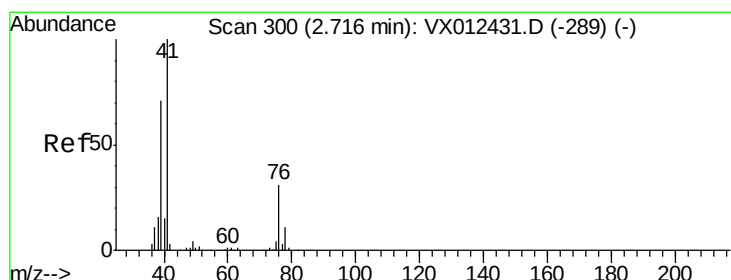
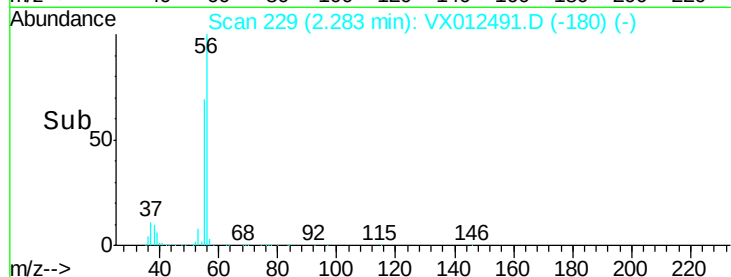
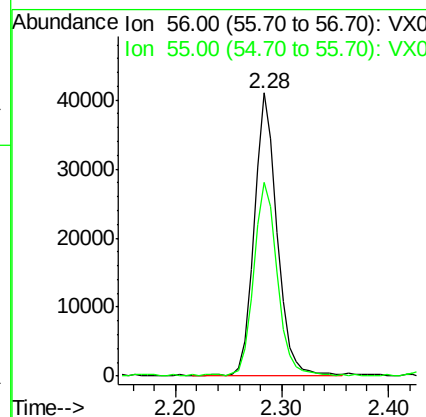
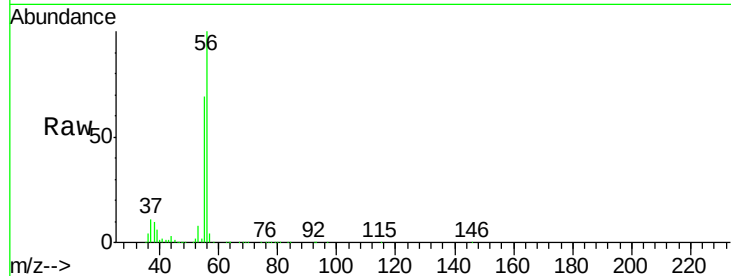
#13
Acrolein
Concen: 246.552 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX012491.D
Acq: 18 Sep 2019 22:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.8	55.8	83.8

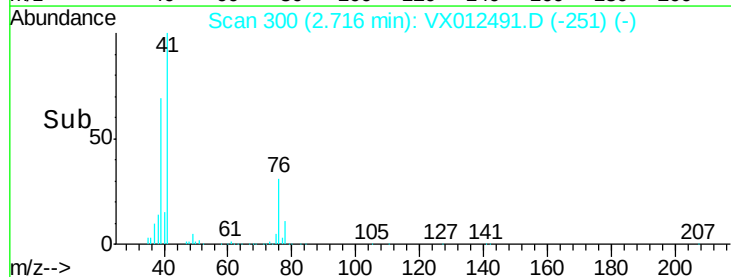
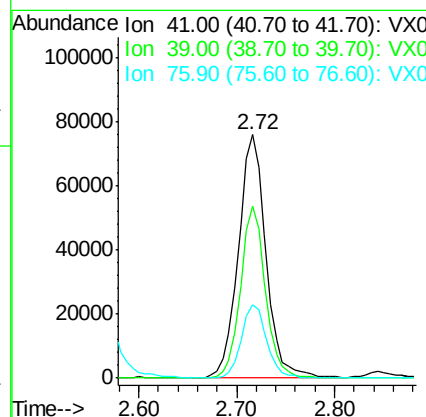
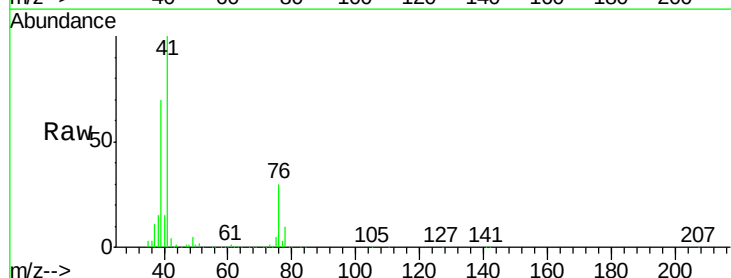
Manual Integrations
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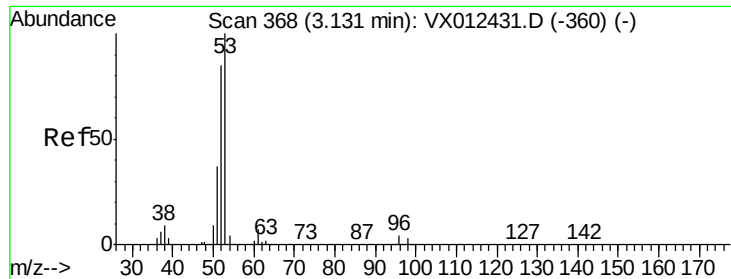
MMDadoda
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#14
Allyl chloride
Concen: 51.269 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX012491.D
Acq: 18 Sep 2019 22:24

Tgt Ion	Ratio	Lower	Upper
41	100		
39	63.5	51.3	76.9
76	28.1	22.6	33.8





#15

Acrylonitrile

Concen: 256.141 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012491.D

Acq: 18 Sep 2019 22:24

Instrument :

MSVOA_X

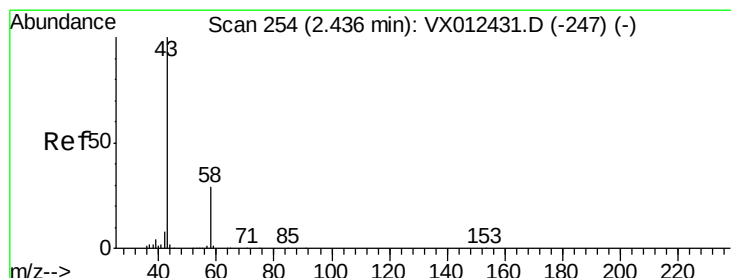
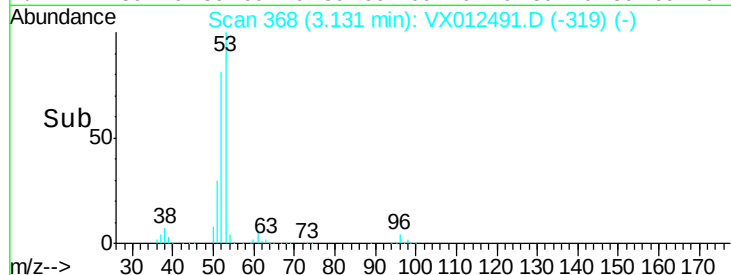
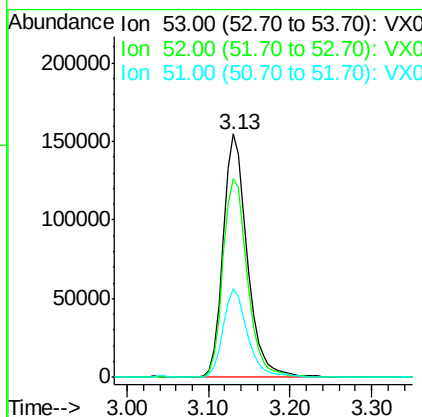
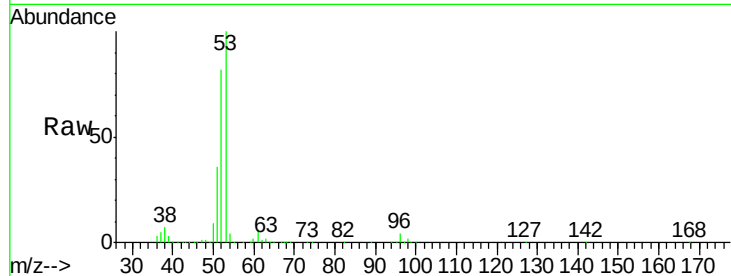
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	314496
Ion	Ratio	Lower	Upper
53	100		
52	83.6	67.0	100.4
51	36.9	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 225.035 ug/l

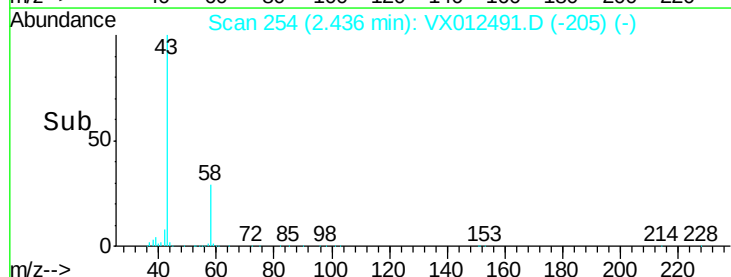
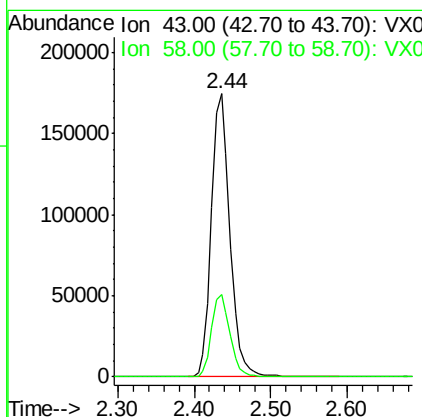
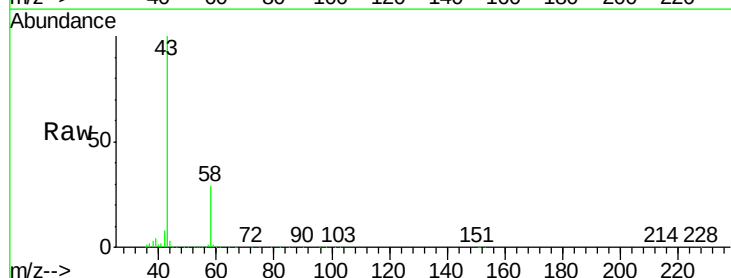
RT: 2.44 min Scan# 254

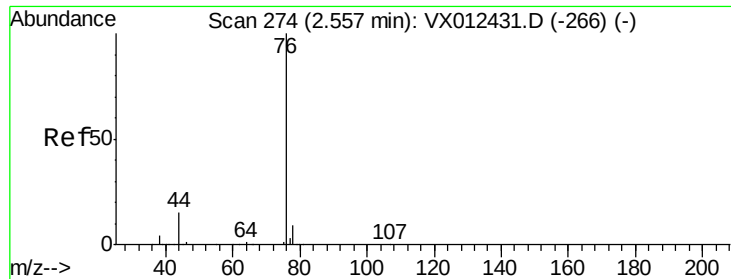
Delta R.T. 0.00 min

Lab File: VX012491.D

Acq: 18 Sep 2019 22:24

Tgt Ion:	43	Resp:	292371
Ion	Ratio	Lower	Upper
43	100		
58	29.2	23.3	34.9





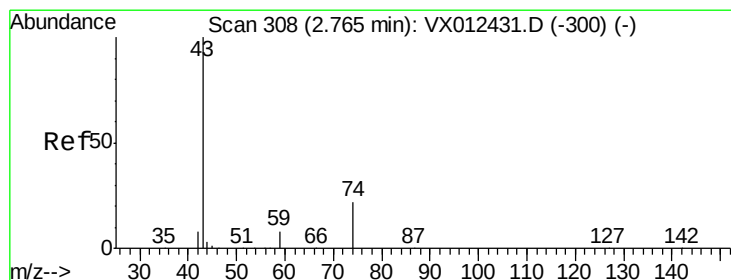
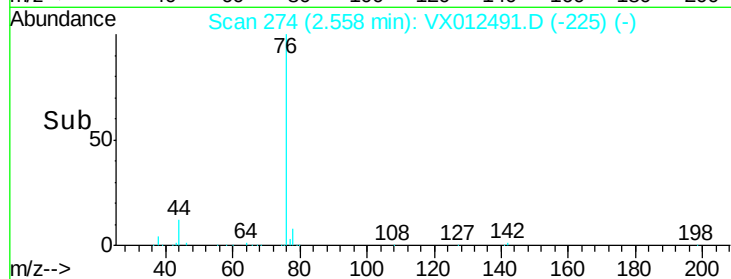
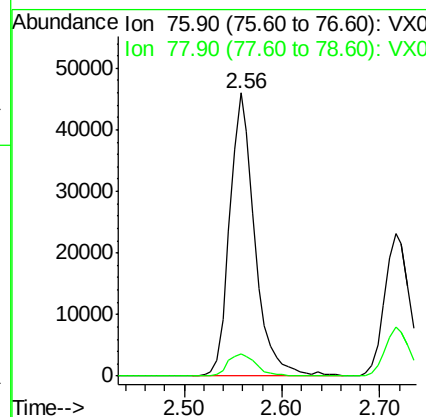
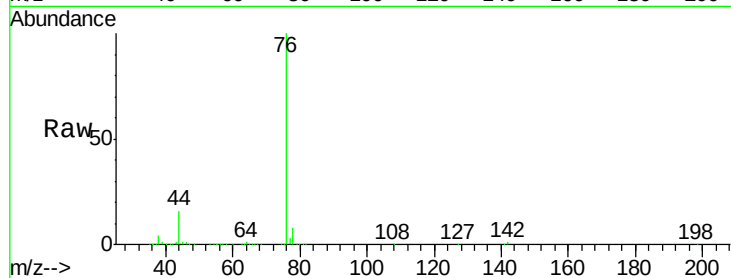
#17
Carbon Disulfide
Concen: 46.524 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX012491.D
Acq: 18 Sep 2019 22:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.0	7.3	10.9

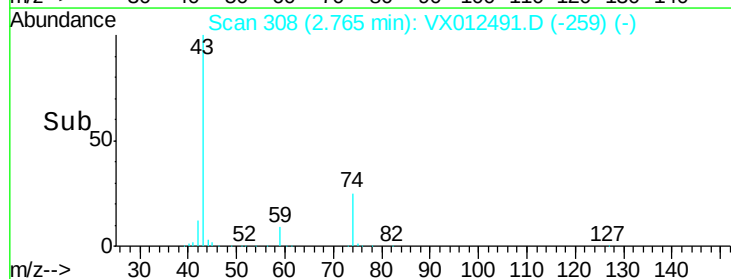
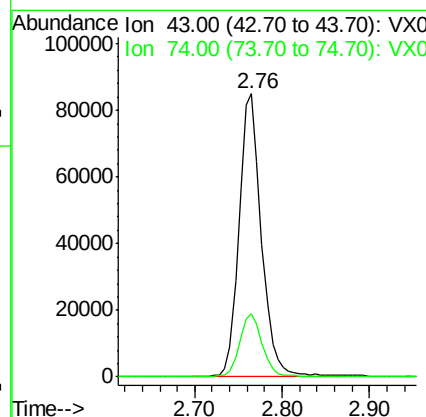
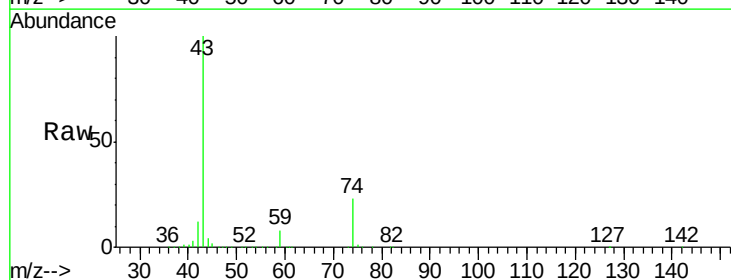
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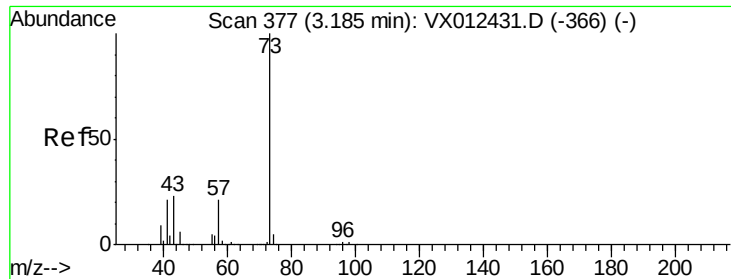
MMDadoda
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#18
Methyl Acetate
Concen: 51.775 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX012491.D
Acq: 18 Sep 2019 22:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.8	17.7	26.5





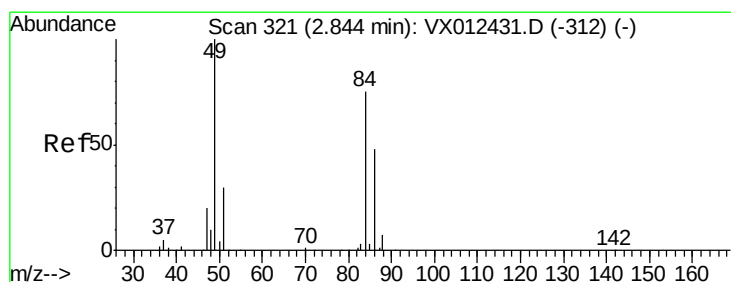
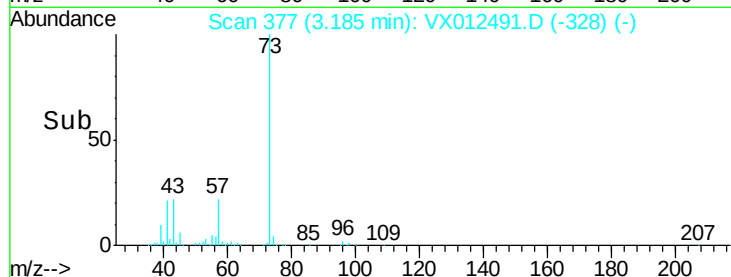
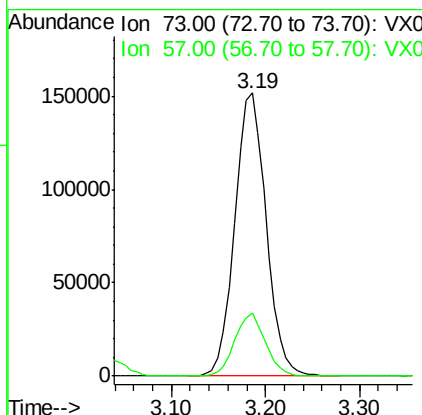
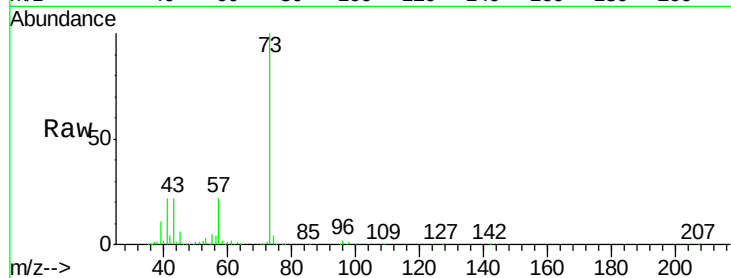
#19
Methyl tert-butyl Ether
Concen: 51.951 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX012491.D
Acq: 18 Sep 2019 22:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.2	16.8	25.2

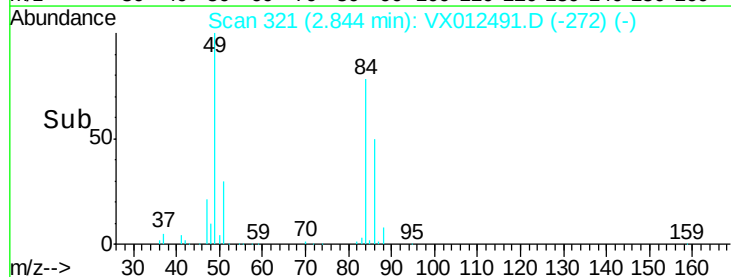
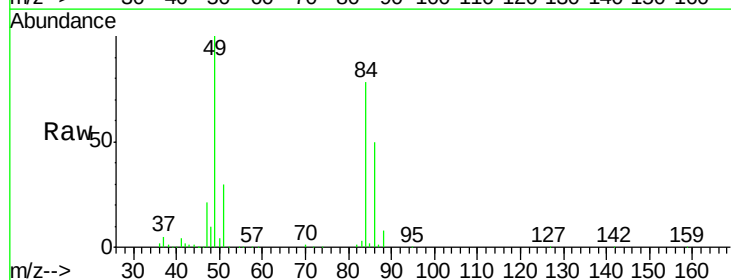
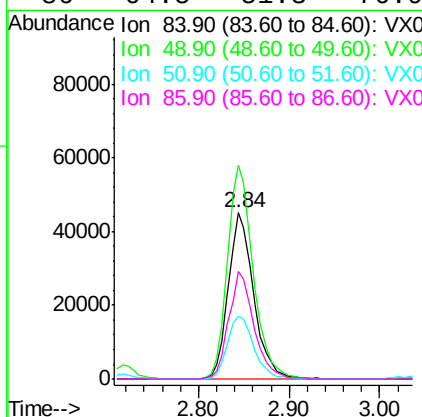
Manual Integrations
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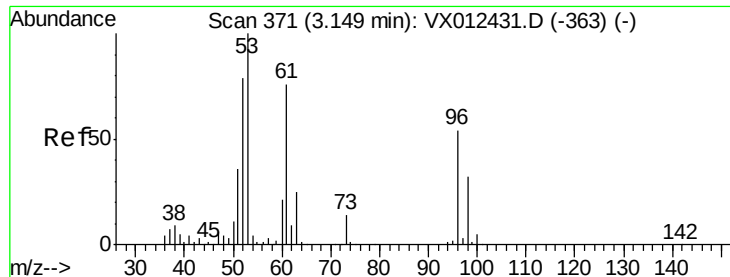
MMDadoda
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#20
Methylene Chloride
Concen: 51.172 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012491.D
Acq: 18 Sep 2019 22:24

Tgt Ion	Ratio	Lower	Upper
84	100		
49	128.4	106.8	160.2
51	38.1	32.3	48.5
86	64.5	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 53.520 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012491.D

Acq: 18 Sep 2019 22:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 69078

Ion Ratio Lower Upper

96 100

61 136.5 112.0 168.0

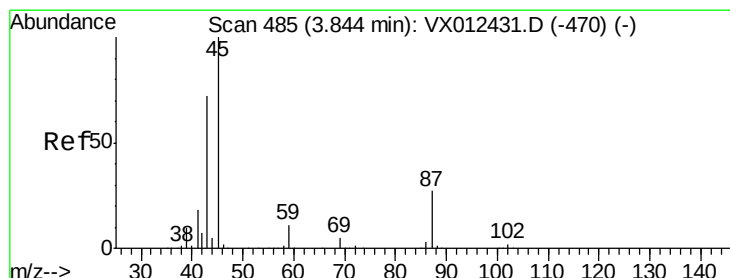
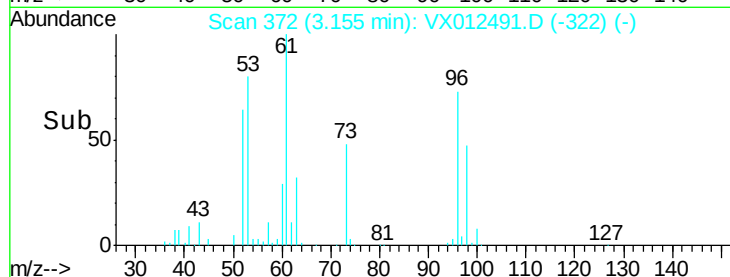
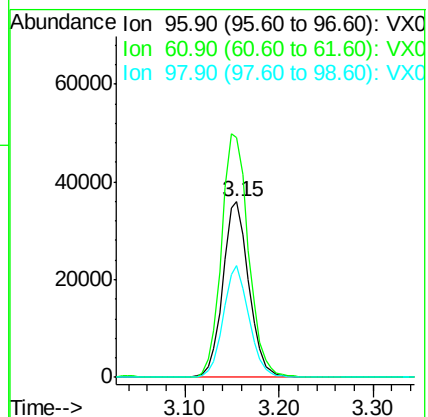
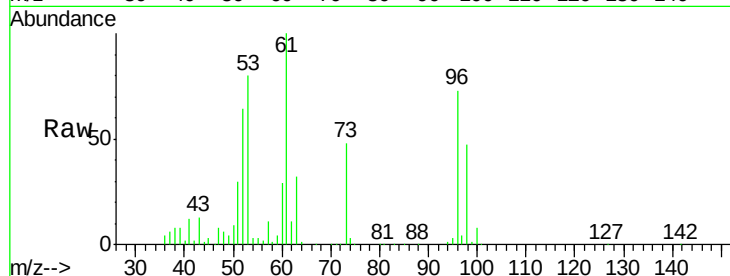
98 64.0 47.8 71.8

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#22

Diisopropyl ether

Concen: 52.022 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX012491.D

Acq: 18 Sep 2019 22:24

Tgt Ion: 45 Resp: 352474

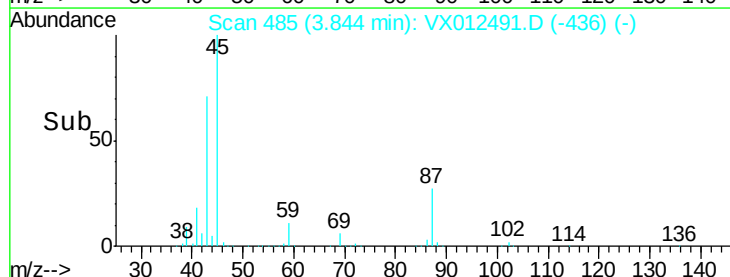
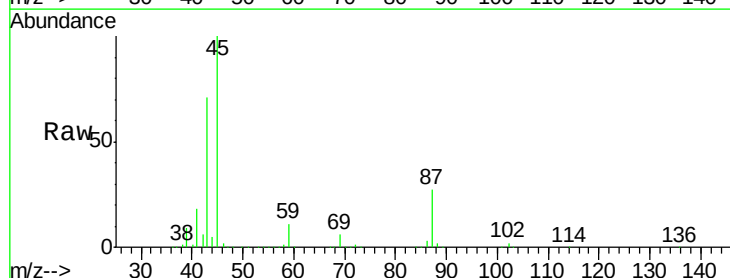
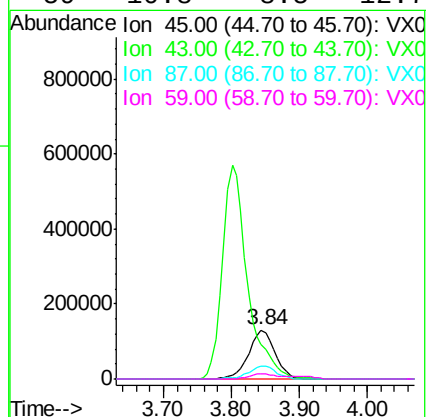
Ion Ratio Lower Upper

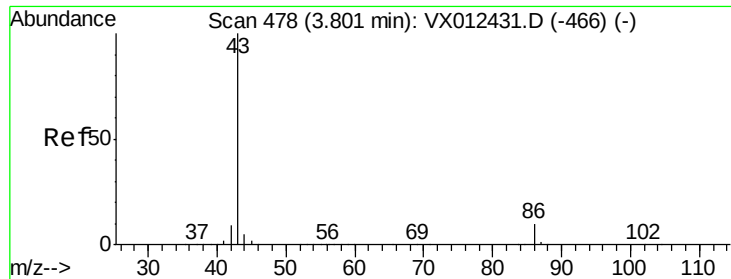
45 100

43 71.4 57.8 86.8

87 26.8 21.3 31.9

59 10.8 8.5 12.7





#23

Vinyl Acetate

Concen: 263.462 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012491.D

Acq: 18 Sep 2019 22:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1468417

Ion Ratio Lower Upper

43 100

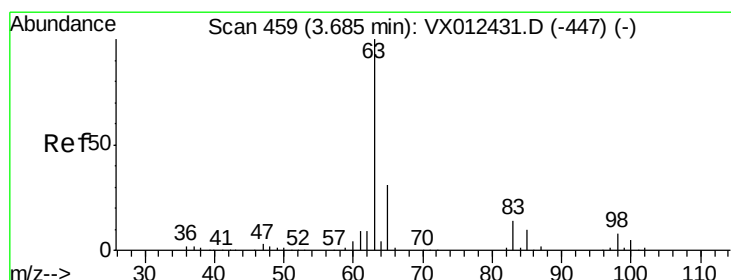
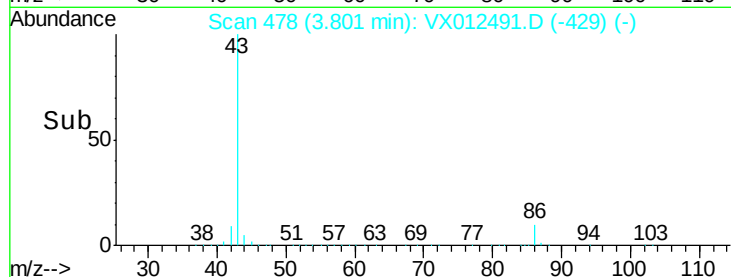
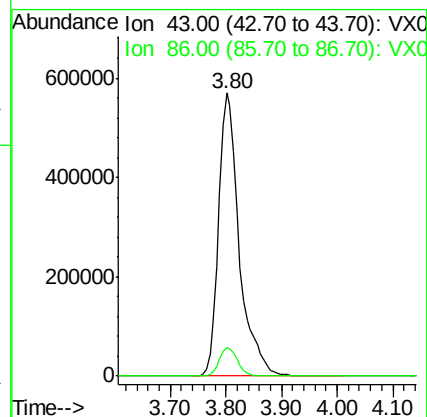
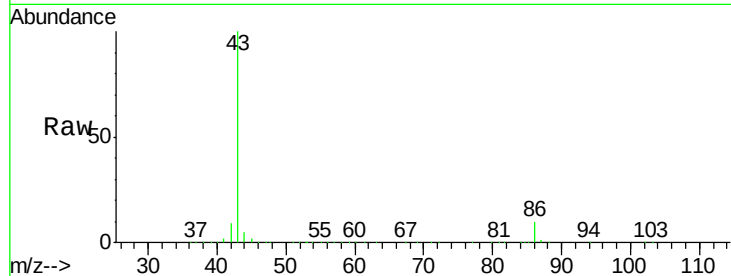
86 10.3 7.8 11.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 53.067 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012491.D

Acq: 18 Sep 2019 22:24

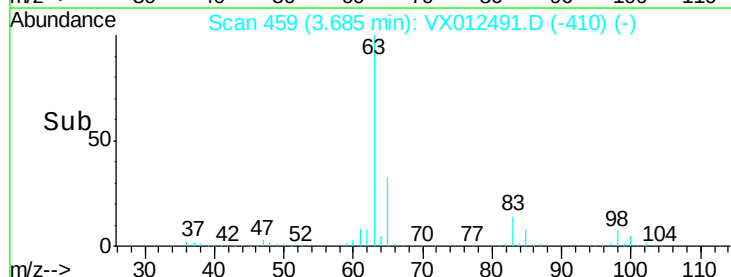
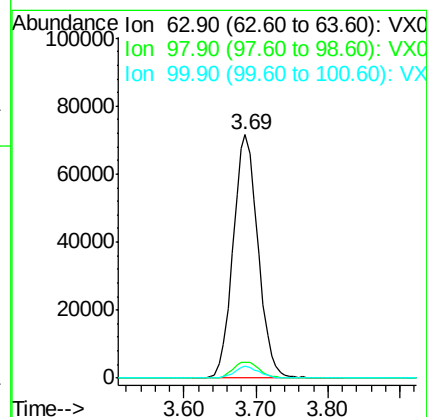
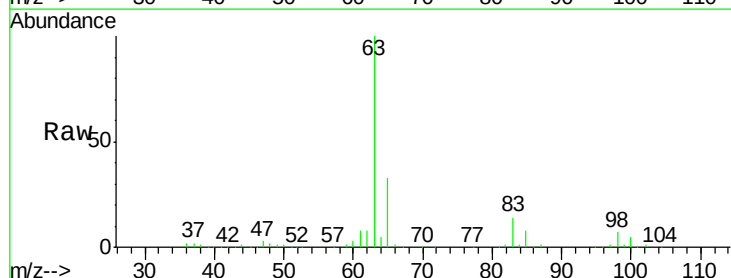
Tgt Ion: 63 Resp: 172034

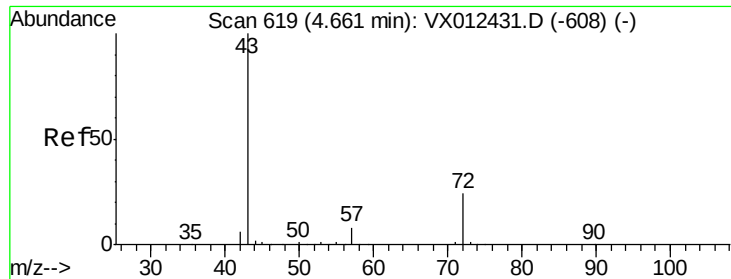
Ion Ratio Lower Upper

63 100

98 6.6 3.9 11.7

100 4.9 2.3 6.9





#25

2-Butanone

Concen: 234.642 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX012491.D

Acq: 18 Sep 2019 22:24

Tot Ion: 43 Resp: 461173

Ion Ratio Lower Upper

43 100

72 25.2 19.2 28.8

Instrument :

MSVOA_X

ClientSampleId :

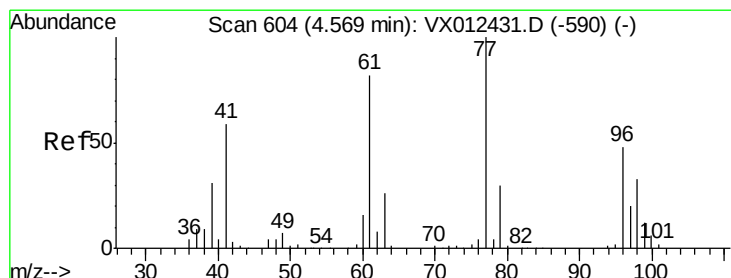
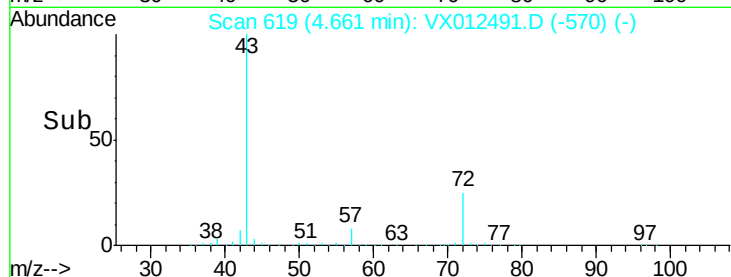
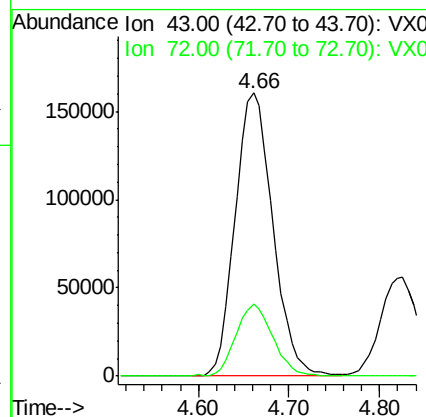
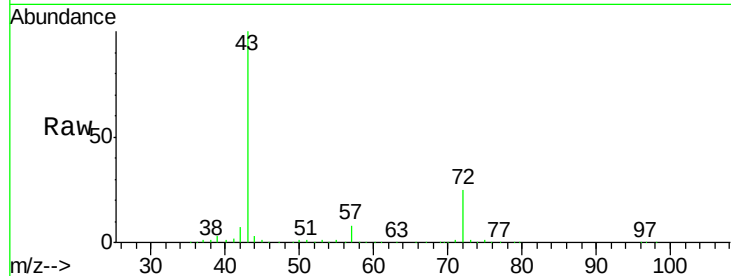
VSTDCCC050

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#26

2,2-Dichloropropane

Concen: 41.791 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX012491.D

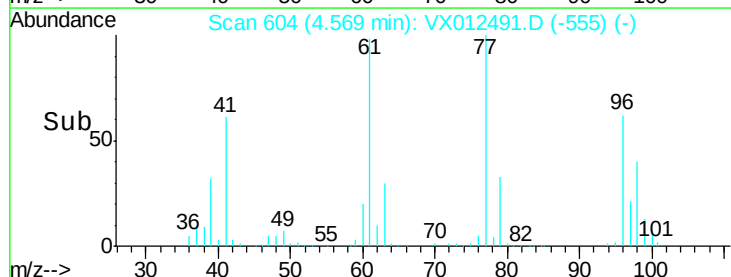
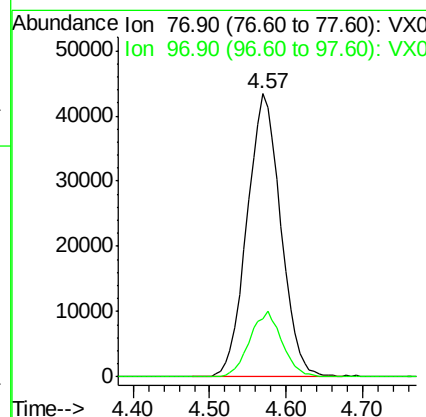
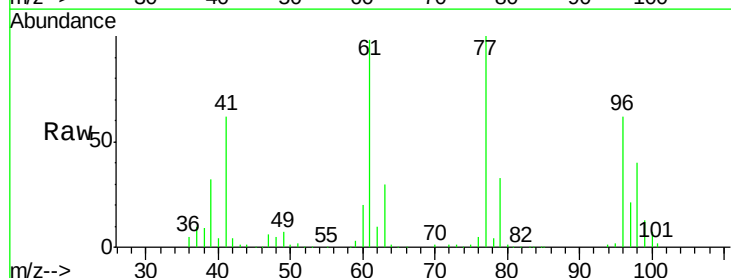
Acq: 18 Sep 2019 22:24

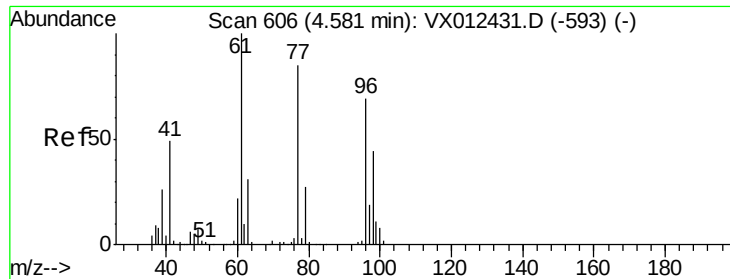
Tgt Ion: 77 Resp: 133239

Ion Ratio Lower Upper

77 100

97 22.4 10.5 31.6





#27

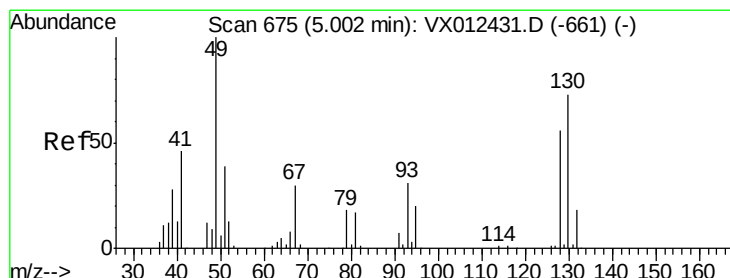
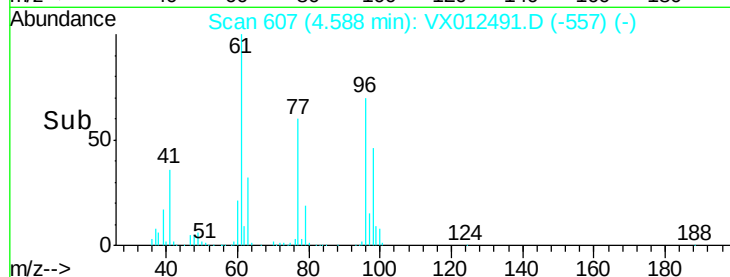
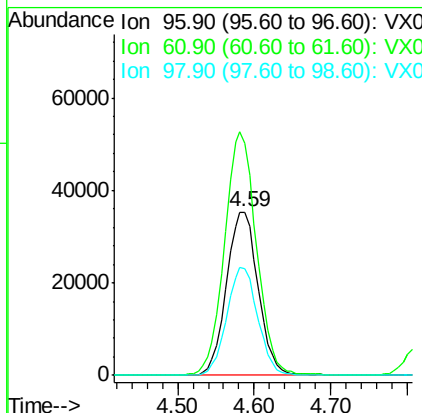
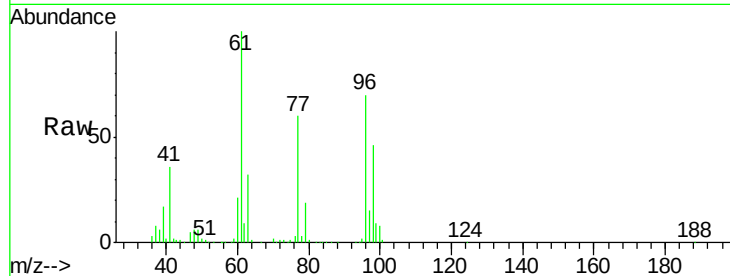
cis-1,2-Dichloroethene
Concen: 52.419 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX012491.D
Acq: 18 Sep 2019 22:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	150.2	0.0	319.4	
98	64.7	0.0	130.6	

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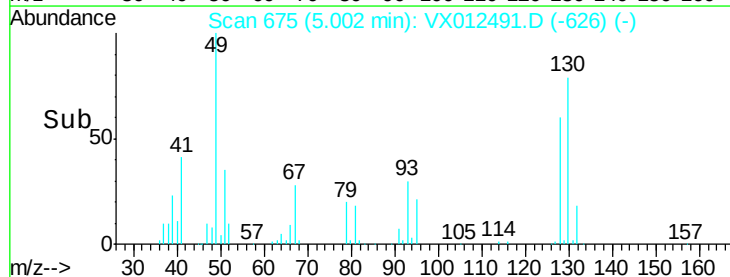
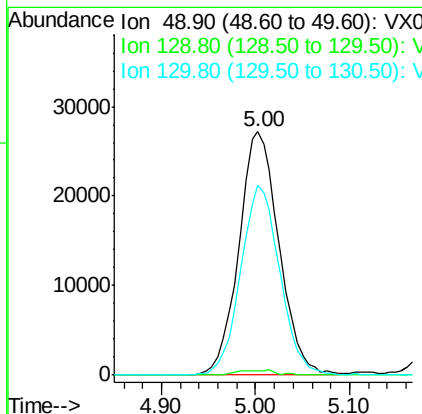
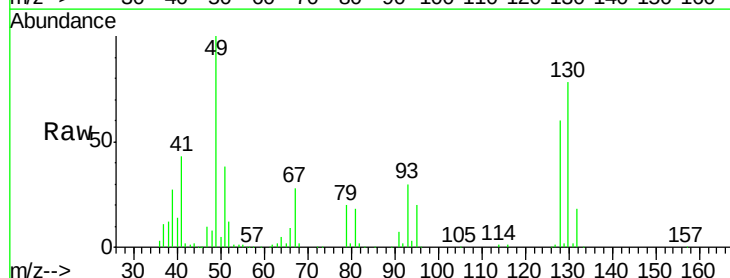
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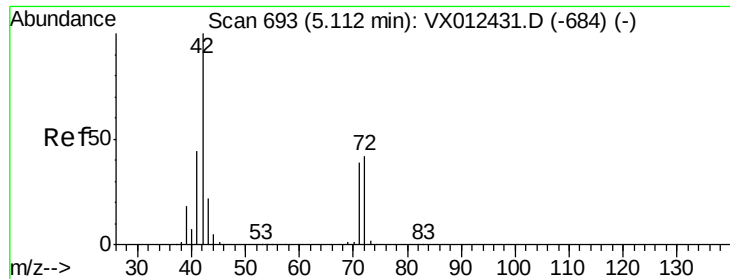


#28

Bromochloromethane
Concen: 48.521 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX012491.D
Acq: 18 Sep 2019 22:24

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	3.8	
130	76.1	58.2	87.4	





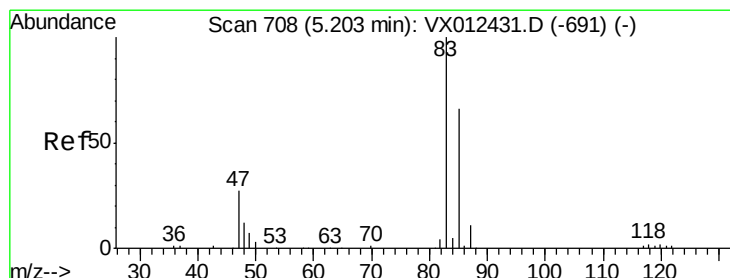
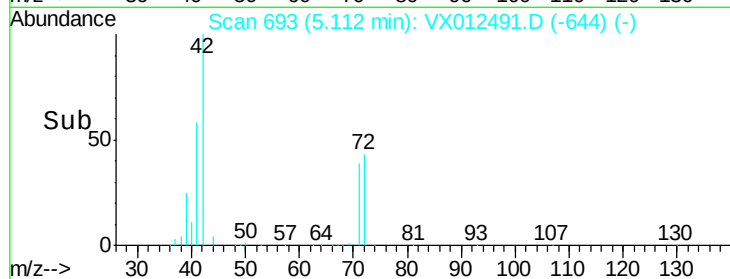
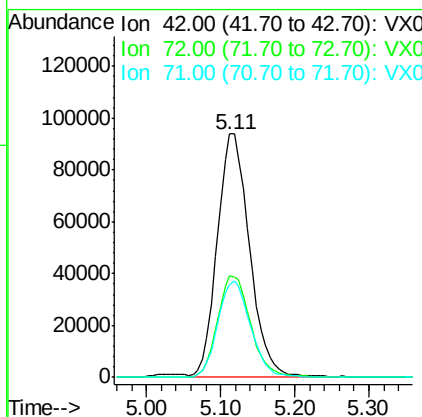
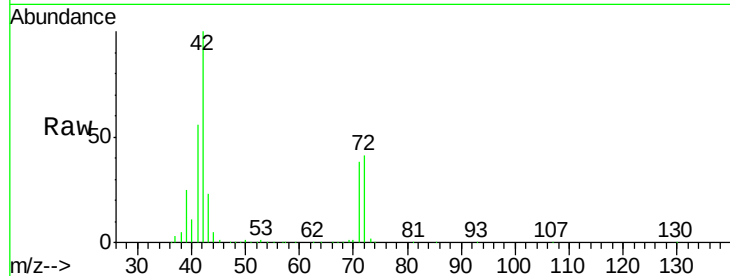
#29
Tetrahydrofuran
Concen: 259.880 ug/l
RT: 5.11 min Scan# 693
Delta R.T. 0.00 min
Lab File: VX012491.D
Acq: 18 Sep 2019 22:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.2	34.0	51.0
71	40.2	31.5	47.3

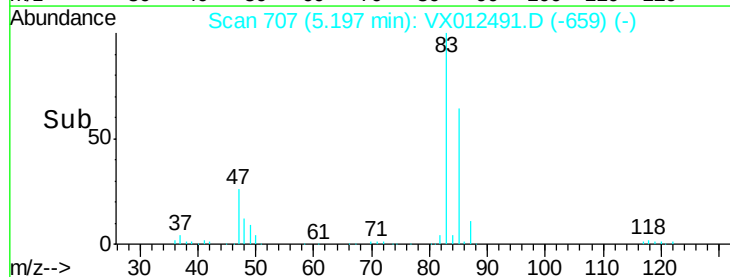
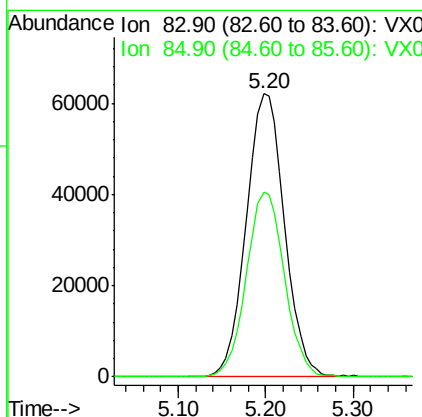
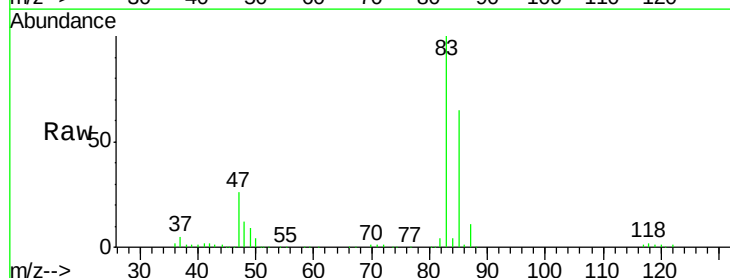
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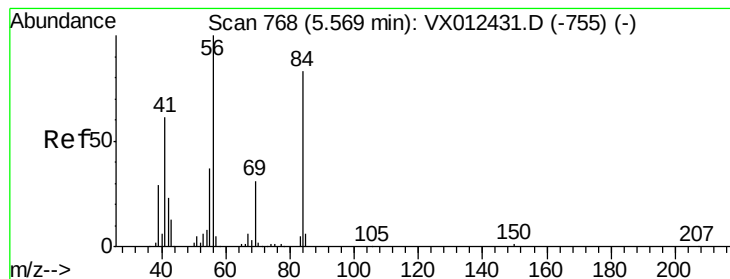
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#30
Chloroform
Concen: 50.805 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX012491.D
Acq: 18 Sep 2019 22:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	53.0	79.4





#31

Cyclohexane

Concen: 51.926 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX012491.D

Acq: 18 Sep 2019 22:24

Instrument :

MSVOA_X

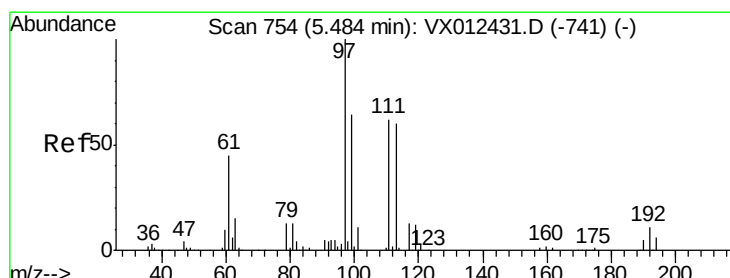
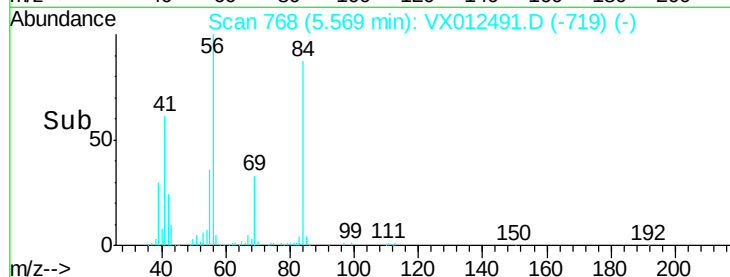
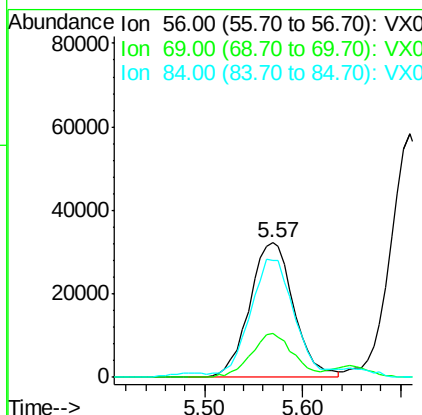
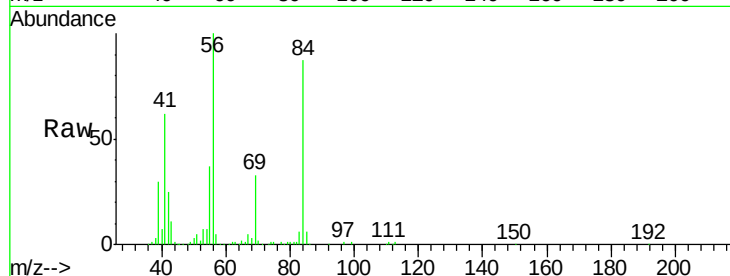
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.1	25.0	37.6
84	84.2	66.4	99.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 52.024 ug/l

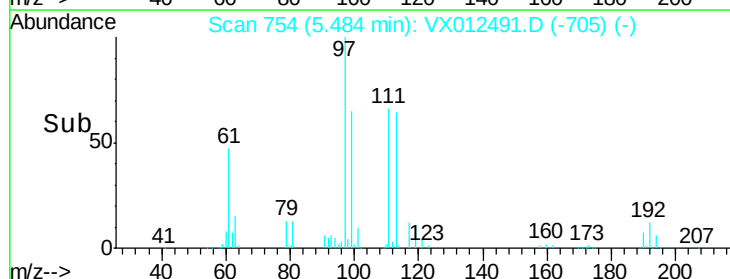
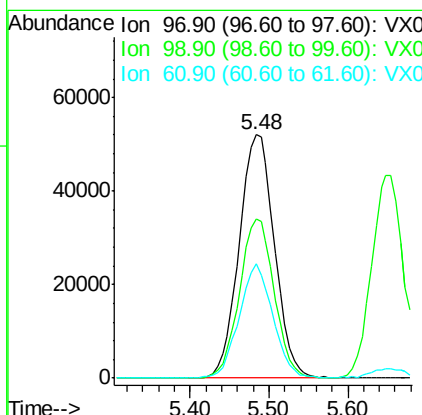
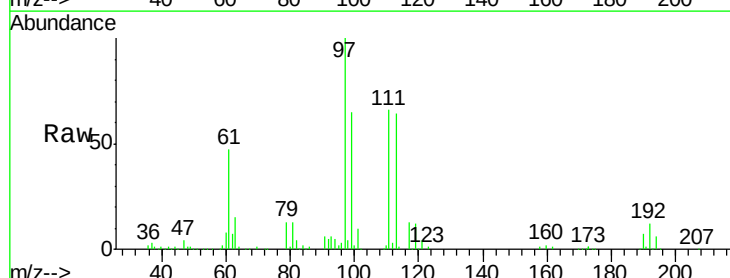
RT: 5.48 min Scan# 754

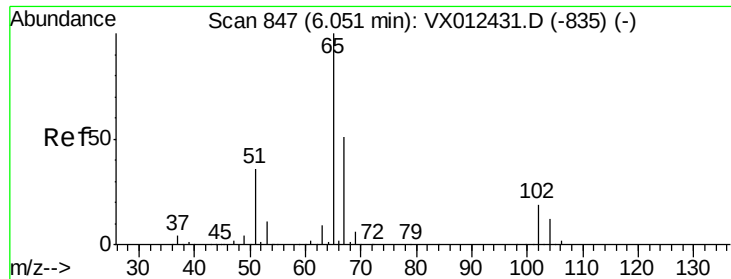
Delta R.T. 0.00 min

Lab File: VX012491.D

Acq: 18 Sep 2019 22:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.3	76.9
61	44.9	36.1	54.1





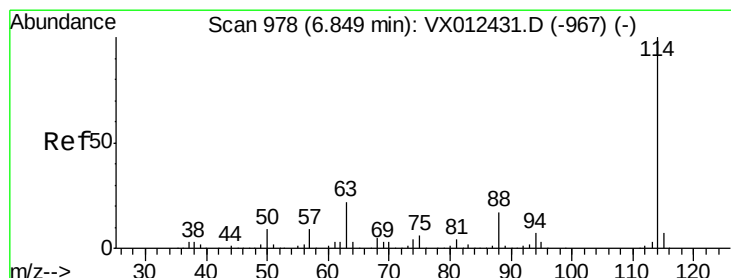
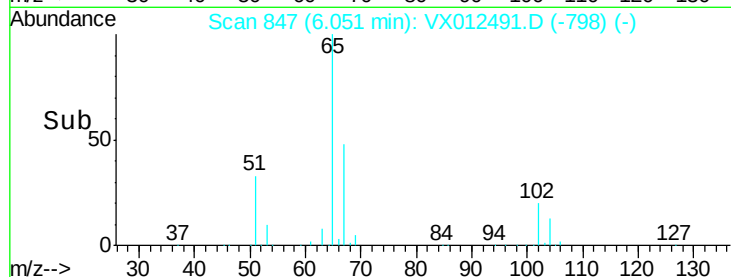
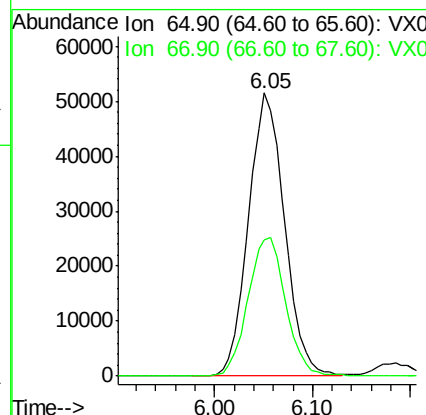
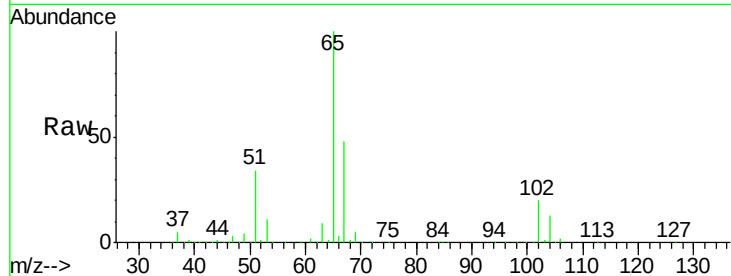
#33
 1,2-Dichloroethane-d4
 Concen: 46.772 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012491.D
 Acq: 18 Sep 2019 22:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	132525		
67	51.1	0.0	101.2	

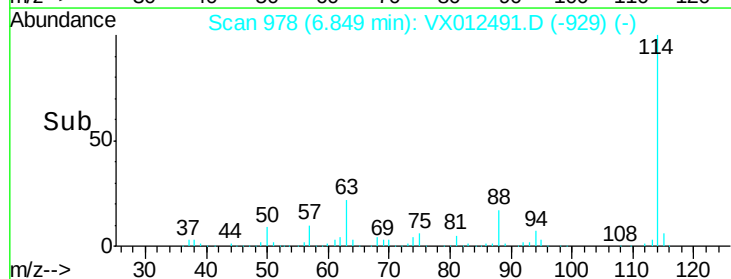
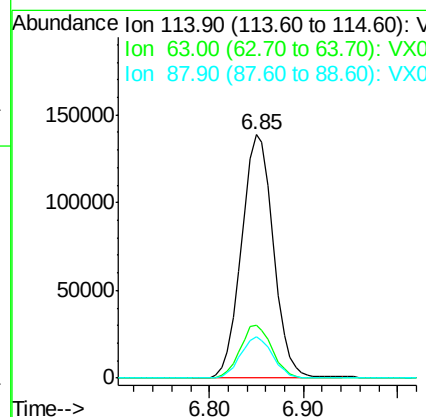
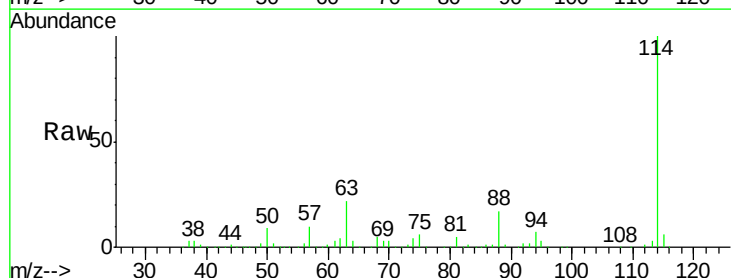
Manual Integrations
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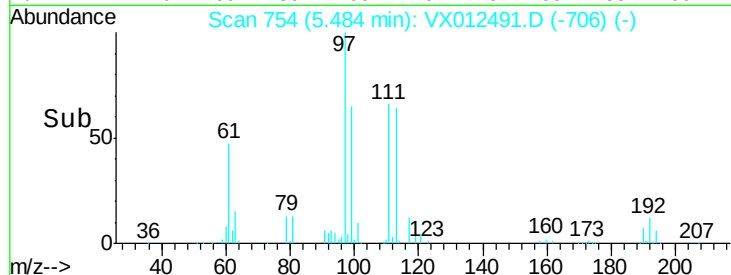
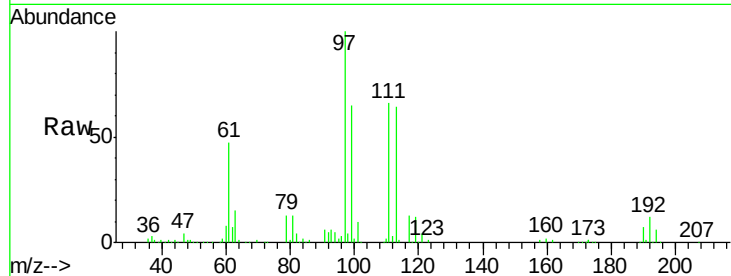
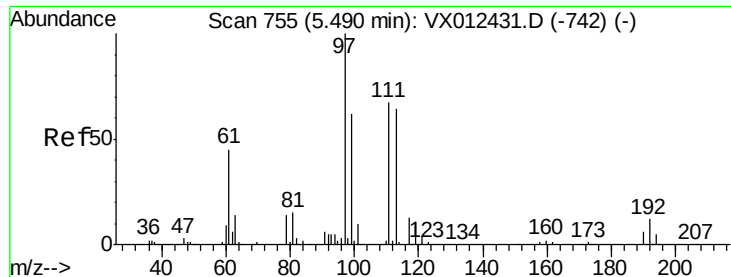
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012491.D
 Acq: 18 Sep 2019 22:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	329242		
63	21.6	0.0	43.2	
88	17.0	0.0	33.2	





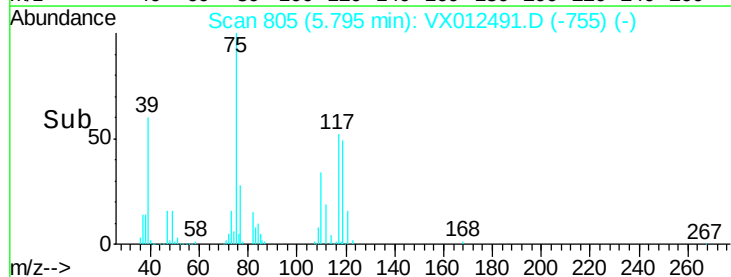
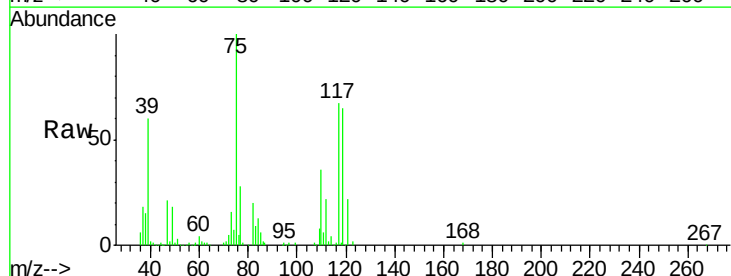
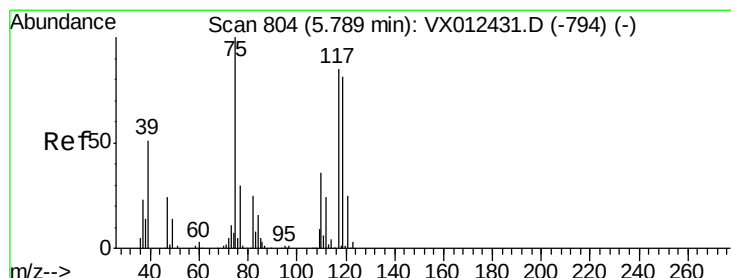
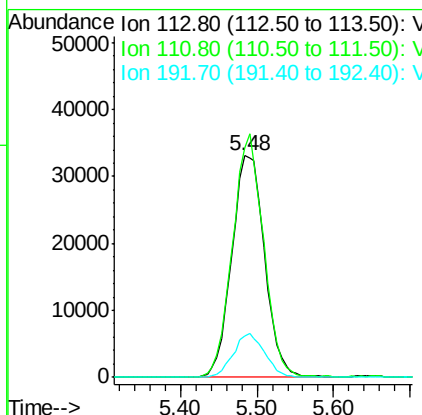
#35
Dibromofluoromethane
Concen: 49.428 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX012491.D
Acq: 18 Sep 2019 22:24

Tot Ion	Ratio	Resp	Lower	Upper
113	100	98499		
111	103.6	83.4	125.2	
192	18.9	14.4	21.6	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

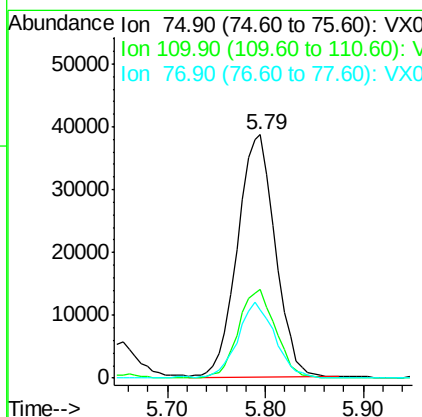
Manual Integrations
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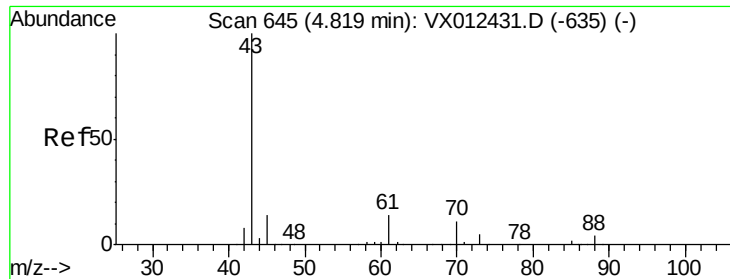
MMDadoda
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#36
1,1-Dichloropropene
Concen: 51.576 ug/l
RT: 5.79 min Scan# 805
Delta R.T. 0.01 min
Lab File: VX012491.D
Acq: 18 Sep 2019 22:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	103202		
110	36.2	16.7	50.0	
77	31.0	24.2	36.2	





#37

Ethyl Acetate

Concen: 54.596 ug/l

RT: 4.83 min Scan# 646

Delta R.T. 0.01 min

Lab File: VX012491.D

Acq: 18 Sep 2019 22:24

Instrument :

MSVOA_X

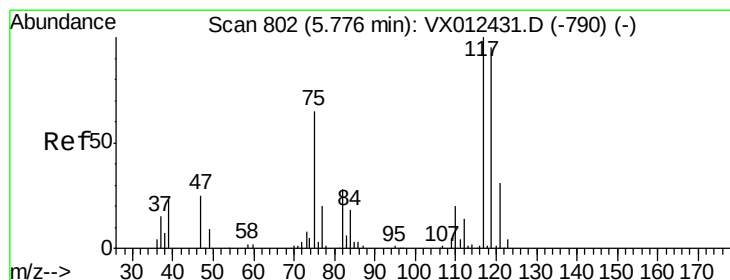
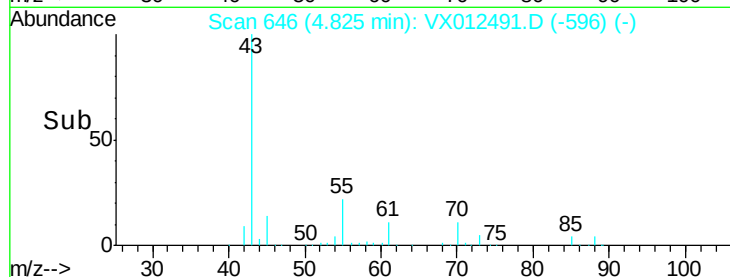
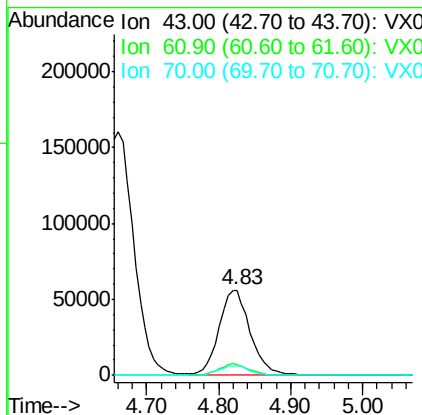
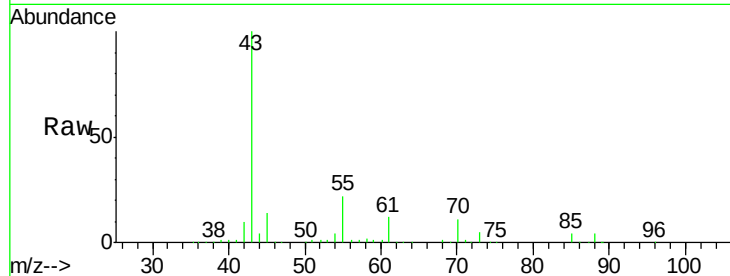
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	167691
Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.2	15.4
70	11.3	8.7	13.1

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 52.849 ug/l

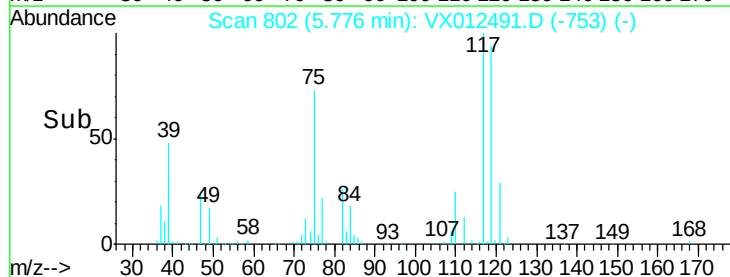
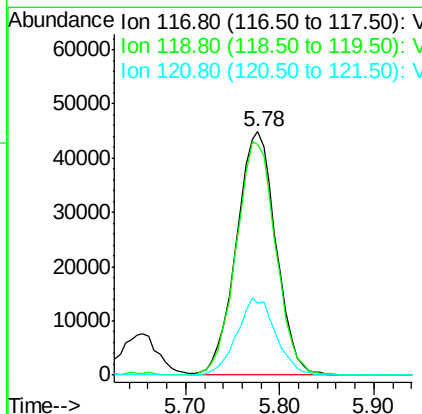
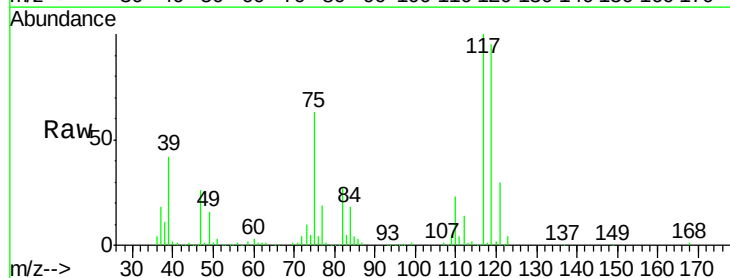
RT: 5.78 min Scan# 802

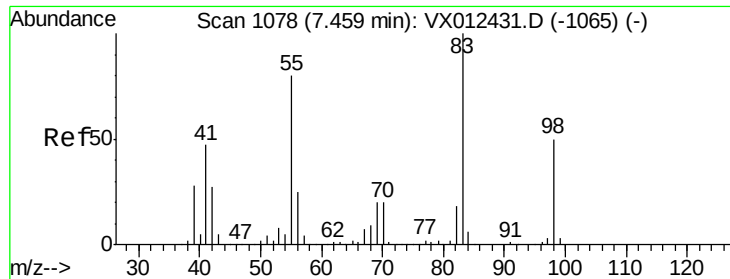
Delta R.T. 0.00 min

Lab File: VX012491.D

Acq: 18 Sep 2019 22:24

Tgt Ion:	117	Resp:	131524
Ion	Ratio	Lower	Upper
117	100		
119	94.5	75.7	113.5
121	29.9	24.2	36.4





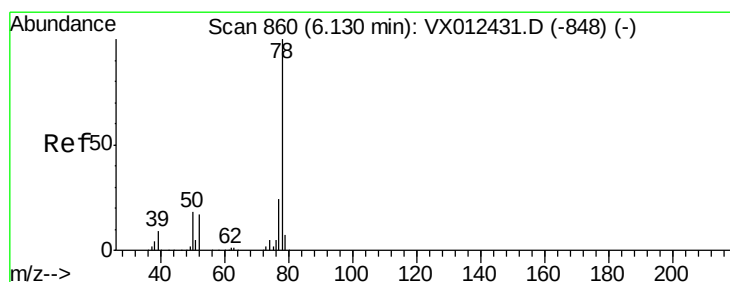
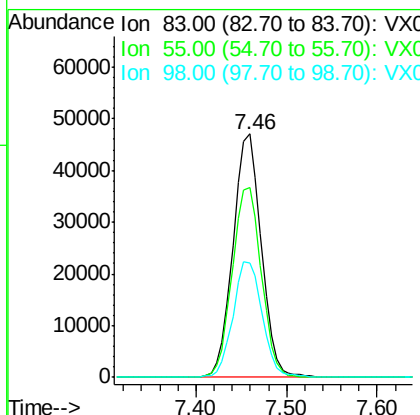
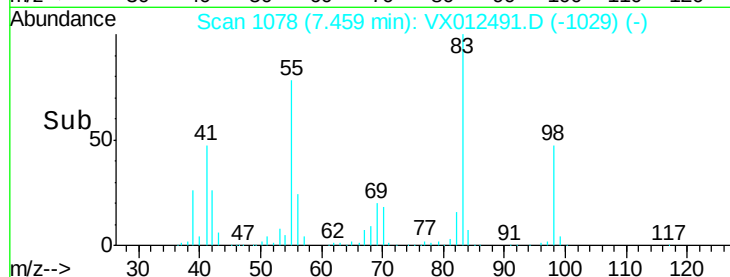
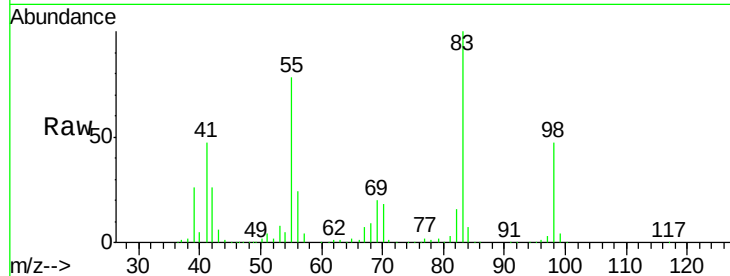
#39
Methylvlcyclohexane
Concen: 52.381 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX012491.D
Acq: 18 Sep 2019 22:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	101893		
55	78.2	64.4	96.6	
98	46.9	40.1	60.1	

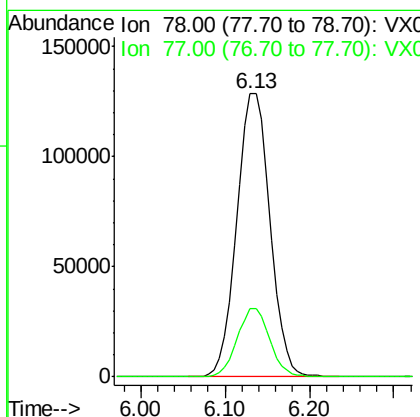
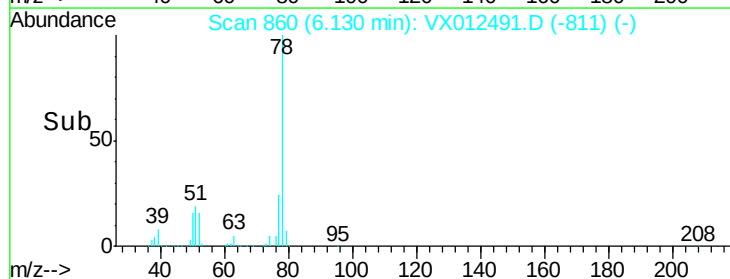
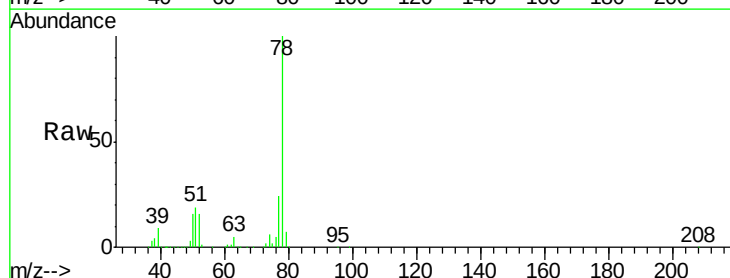
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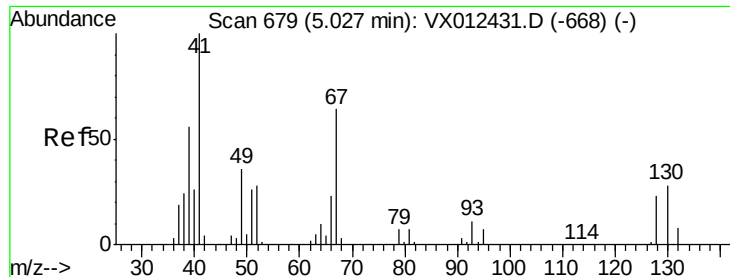
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#40
Benzene
Concen: 53.912 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX012491.D
Acq: 18 Sep 2019 22:24

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	343044		
77	24.4	19.2	28.8	





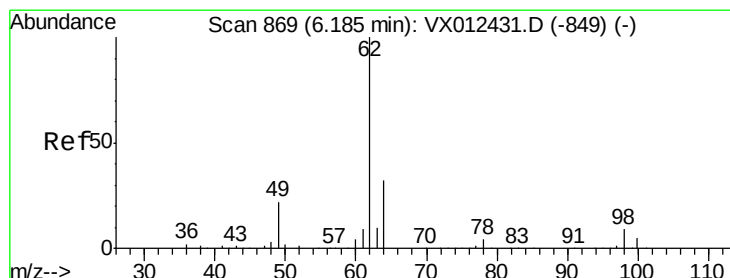
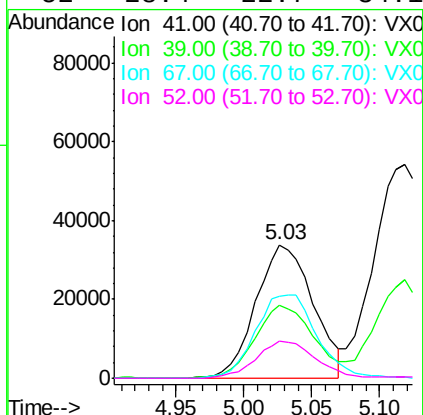
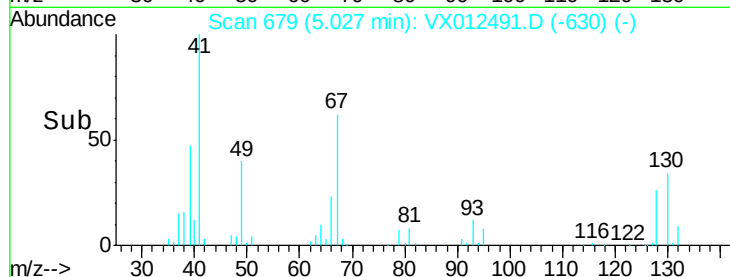
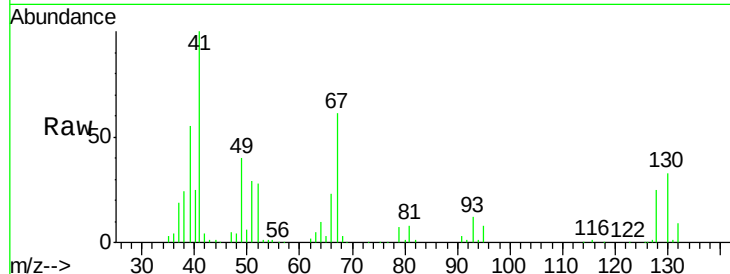
#41
Methacrylonitrile
Concen: 49.925 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX012491.D
Acq: 18 Sep 2019 22:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.2	46.0	69.0	
67	67.6	52.2	78.2	
52	28.4	22.7	34.1	

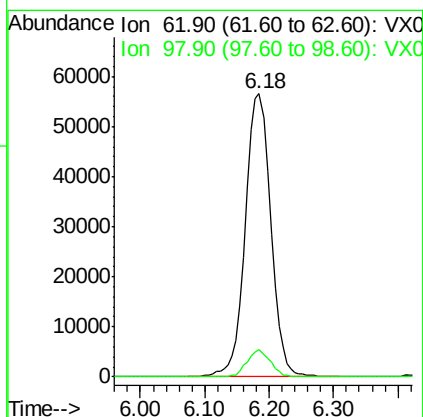
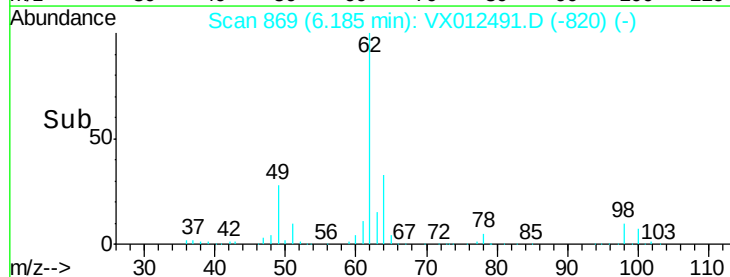
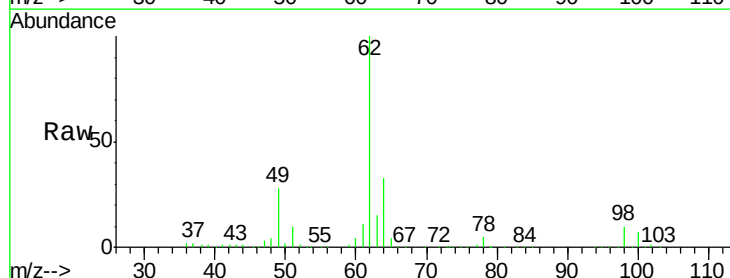
Manual Integrations
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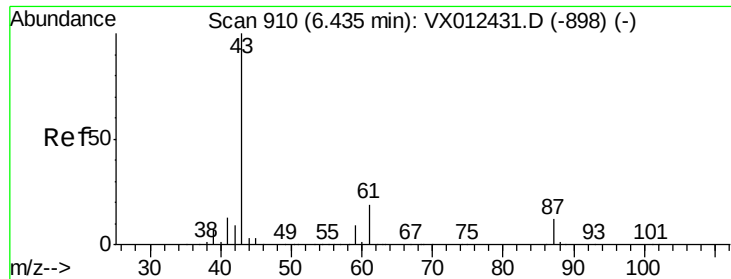
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#42
1,2-Dichloroethane
Concen: 51.660 ug/l
RT: 6.18 min Scan# 869
Delta R.T. 0.00 min
Lab File: VX012491.D
Acq: 18 Sep 2019 22:24

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.0	0.0	17.8	





#43

Isopropyl Acetate

Concen: 51.821 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX012491.D

Acq: 18 Sep 2019 22:24

Instrument :

MSVOA_X

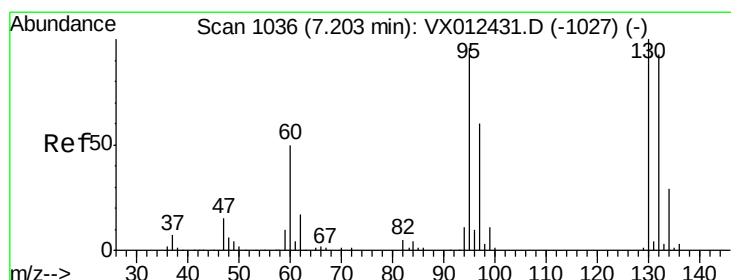
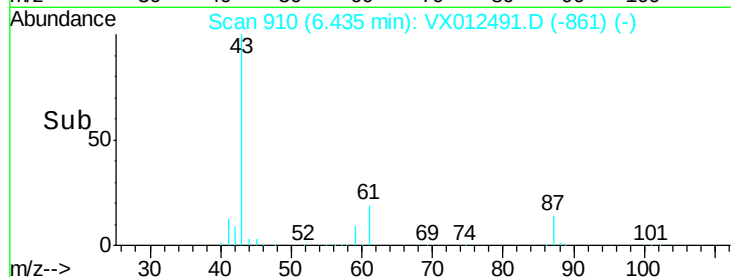
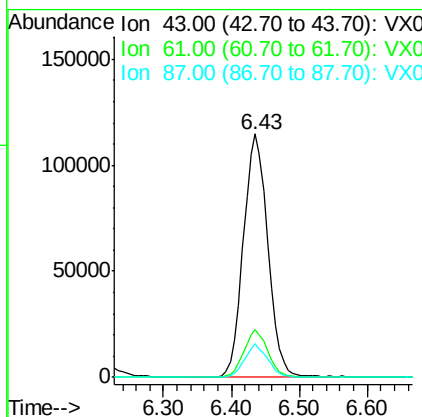
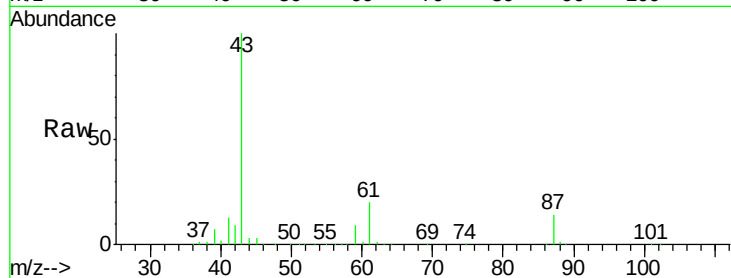
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	285680
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.4	23.0
87	13.0	9.8	14.8

Manual Integrations
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#44

Trichloroethene

Concen: 54.108 ug/l

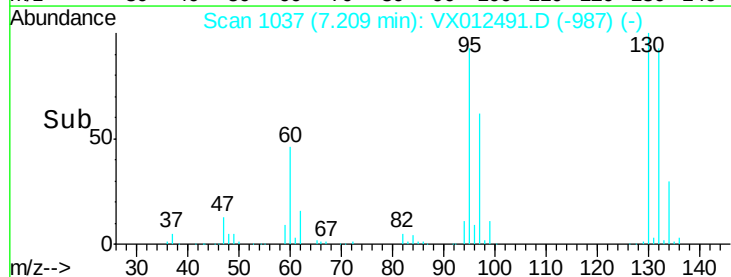
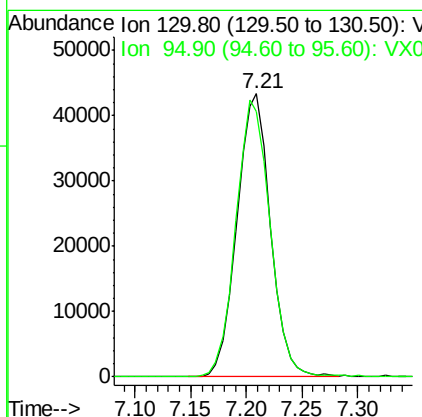
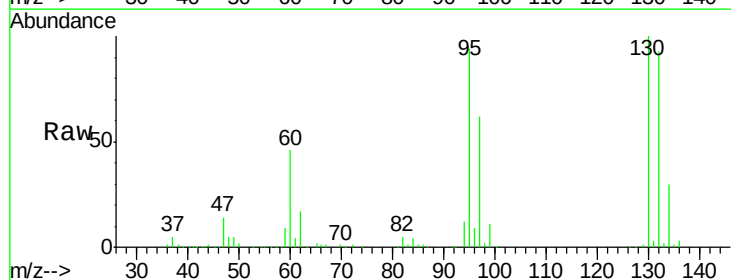
RT: 7.21 min Scan# 1037

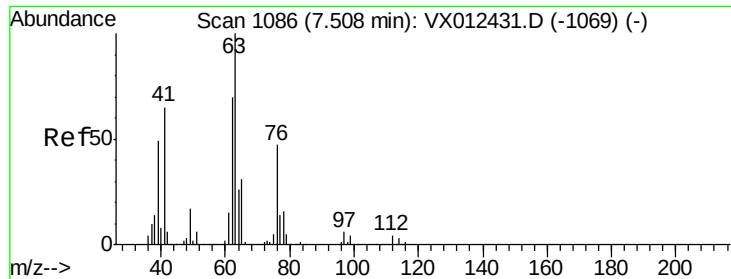
Delta R.T. 0.01 min

Lab File: VX012491.D

Acq: 18 Sep 2019 22:24

Tgt Ion:	130	Resp:	90567
Ion	Ratio	Lower	Upper
130	100		
95	93.6	0.0	193.0





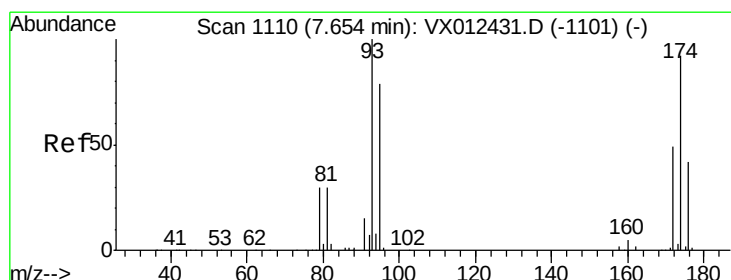
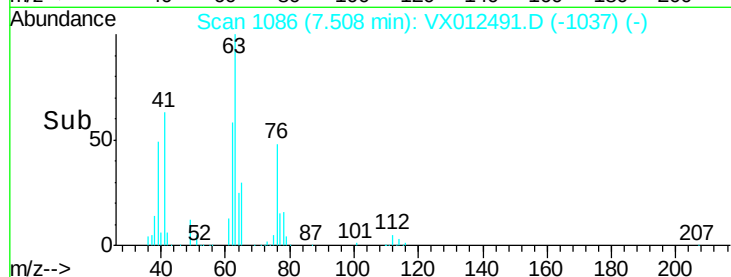
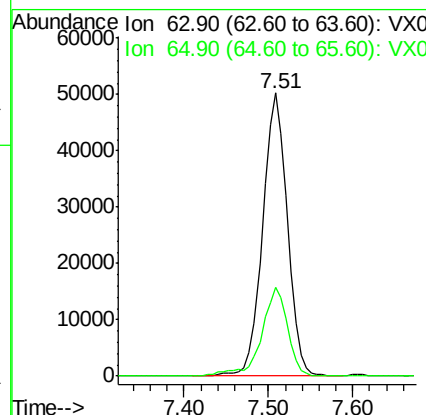
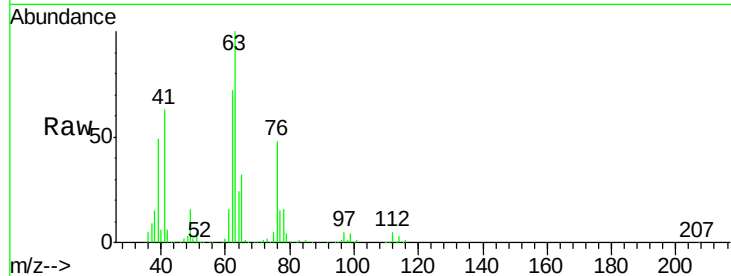
#45
 1,2-Dichloropropane
 Concen: 51.899 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX012491.D
 Acq: 18 Sep 2019 22:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 101457
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.0 37.6

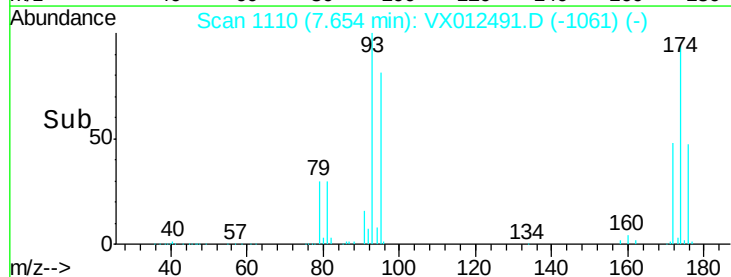
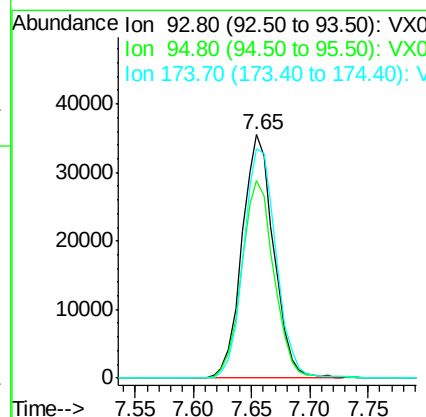
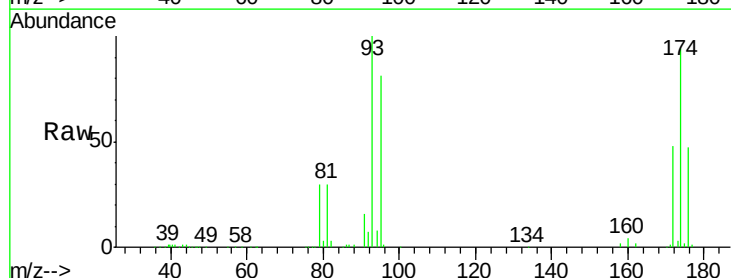
Manual Integrations
 APPROVED

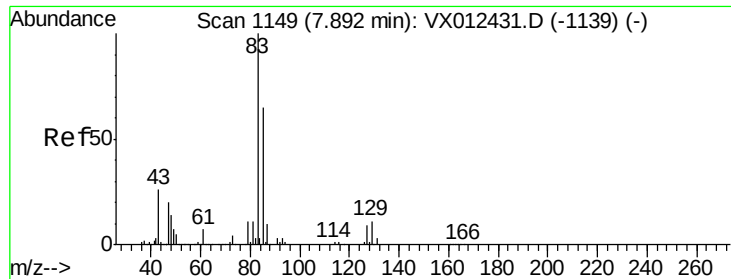
MMDadoda
 9/19/2019 1:06:12 PM



#46
 Dibromomethane
 Concen: 53.388 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX012491.D
 Acq: 18 Sep 2019 22:24

Tgt Ion: 93 Resp: 67539
 Ion Ratio Lower Upper
 93 100
 95 82.1 66.6 100.0
 174 97.2 77.4 116.0





#47

Bromodichloromethane

Concen: 53.177 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX012491.D

Acq: 18 Sep 2019 22:24

Instrument :

MSVOA_X

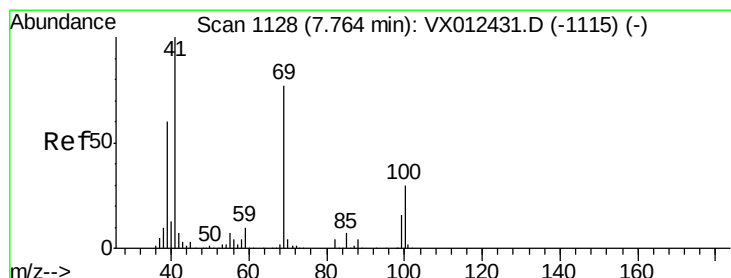
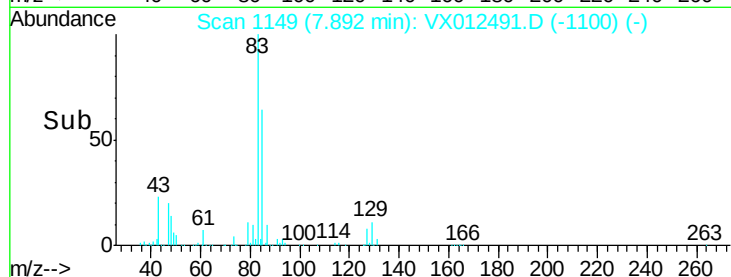
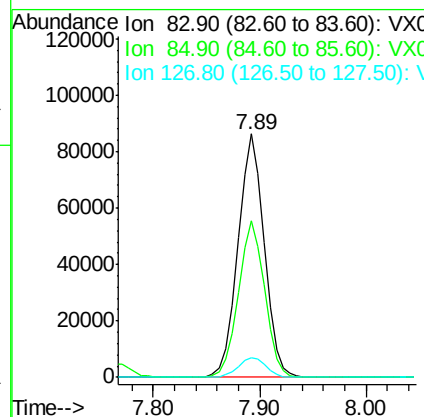
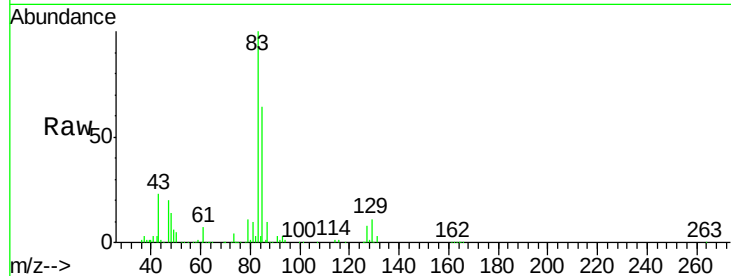
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	149786
Ion Ratio		Lower	Upper
83	100		
85	64.4	51.8	77.6
127	8.1	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.597 ug/l

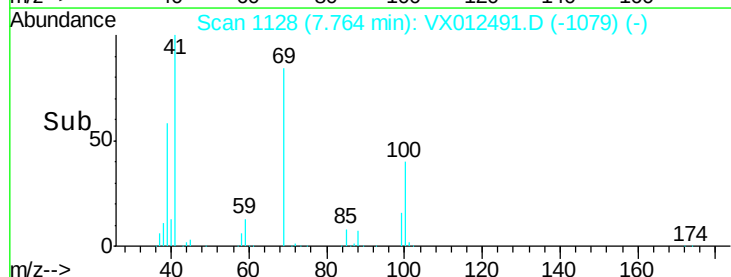
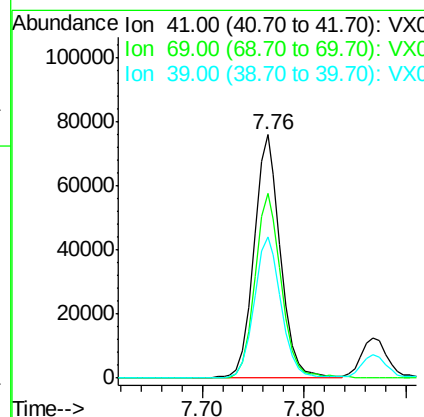
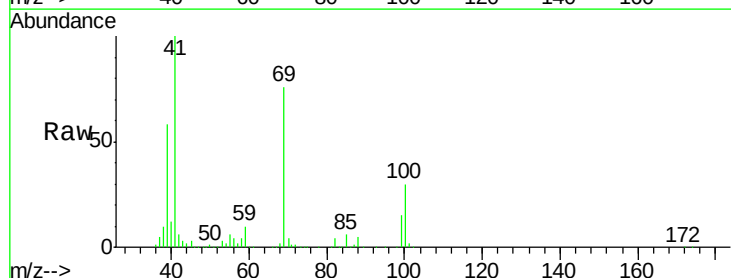
RT: 7.76 min Scan# 1128

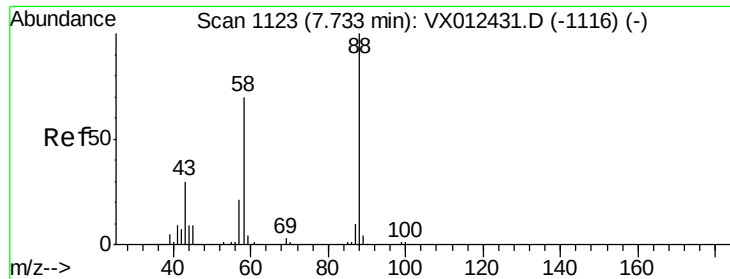
Delta R.T. 0.00 min

Lab File: VX012491.D

Acq: 18 Sep 2019 22:24

Tgt Ion:	41	Resp:	136681
Ion Ratio		Lower	Upper
41	100		
69	76.0	59.9	89.9
39	59.1	47.8	71.6





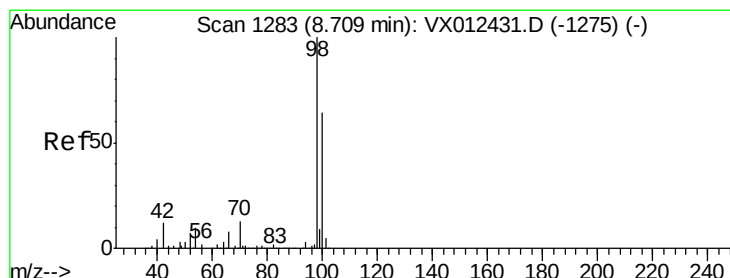
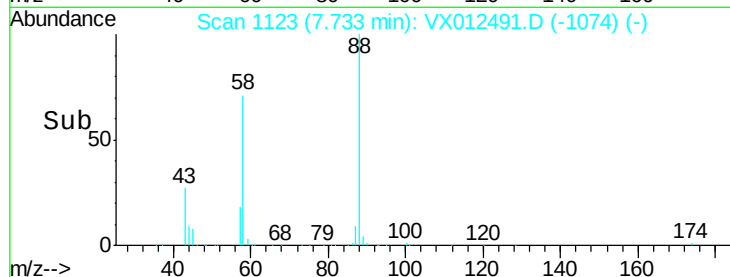
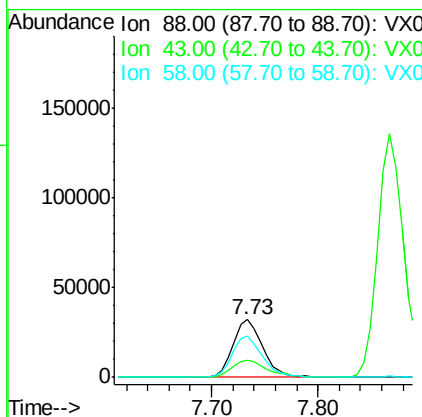
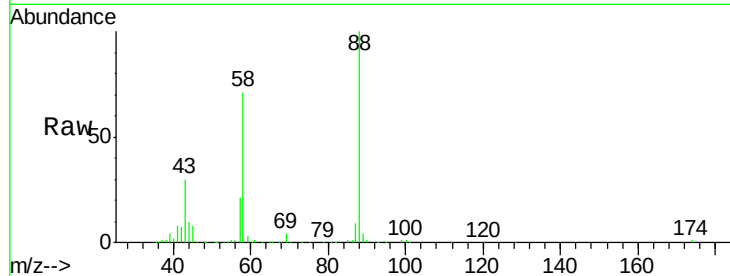
#49
1,4-Dioxane
Concen: 1007.005 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX012491.D
Acq: 18 Sep 2019 22:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.8	29.4	44.0
58	73.4	57.5	86.3

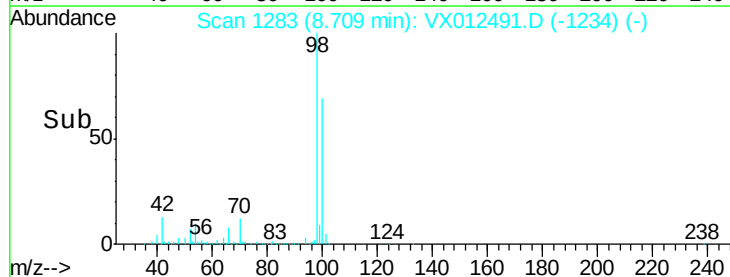
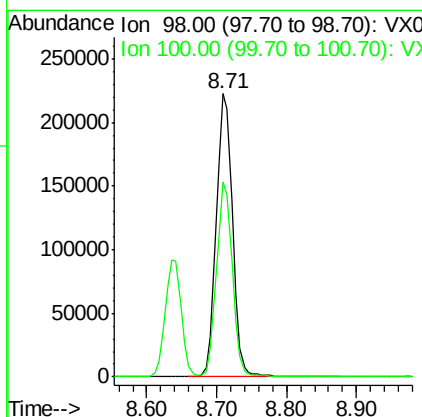
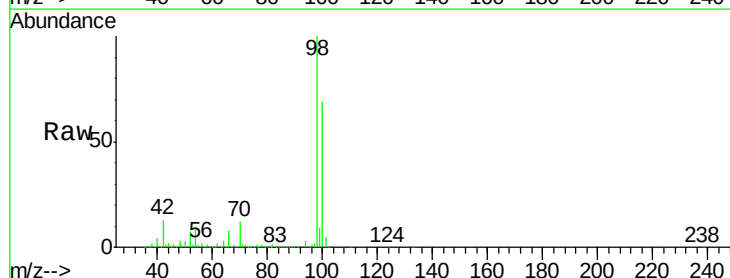
Manual Integrations
APPROVED

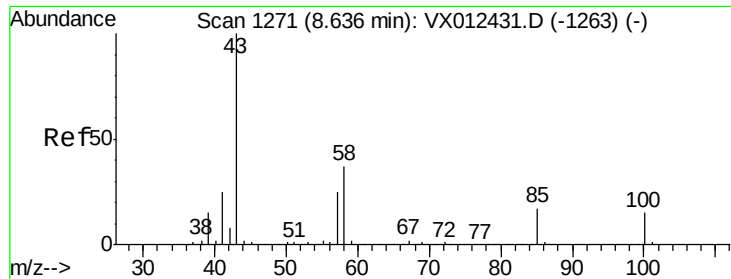
MMDadoda
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#50
Toluene-d8
Concen: 48.813 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012491.D
Acq: 18 Sep 2019 22:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 259.426 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012491.D

Acq: 18 Sep 2019 22:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 937886

Ion Ratio Lower Upper

43 100

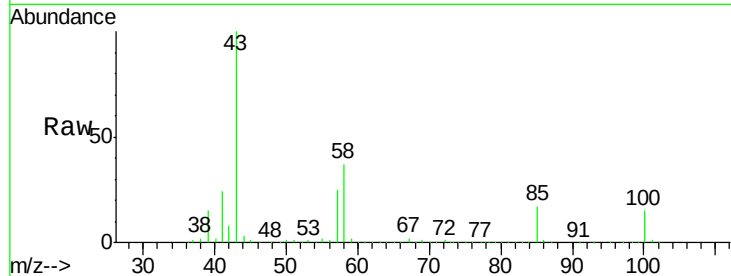
58 38.0 29.8 44.6

Manual Integrations

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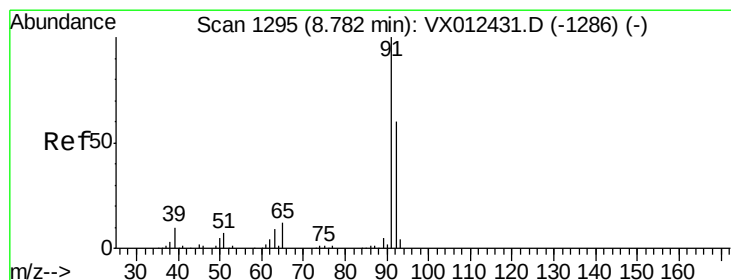
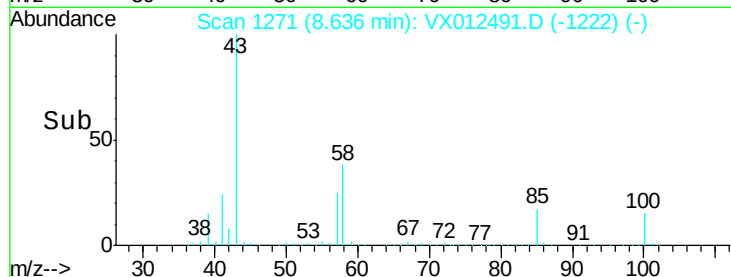
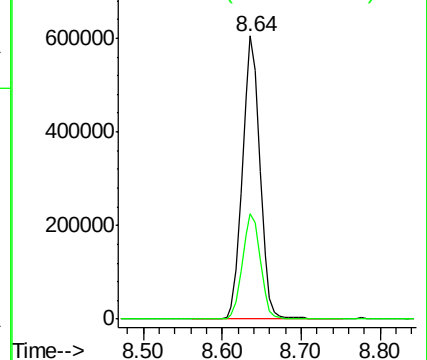
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 54.366 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX012491.D

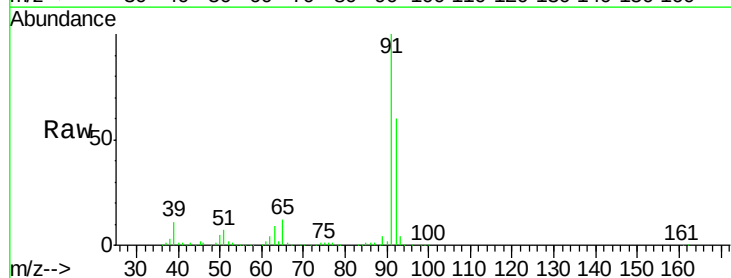
Acq: 18 Sep 2019 22:24

Tgt Ion: 92 Resp: 222907

Ion Ratio Lower Upper

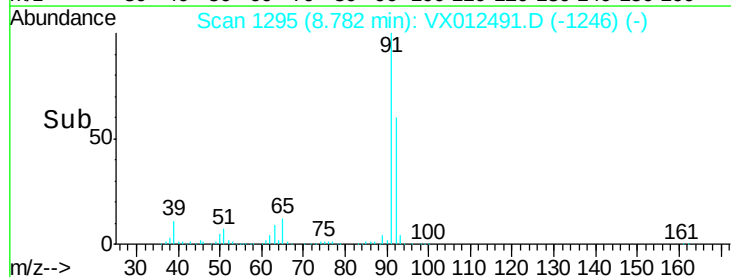
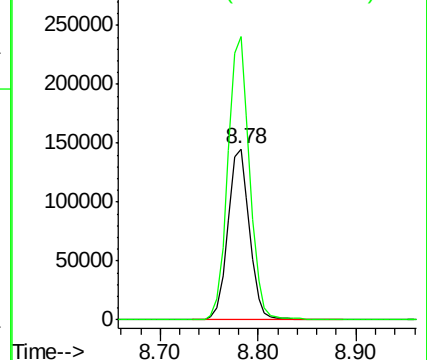
92 100

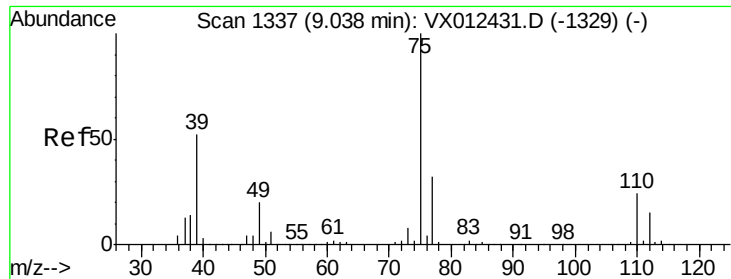
91 166.2 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





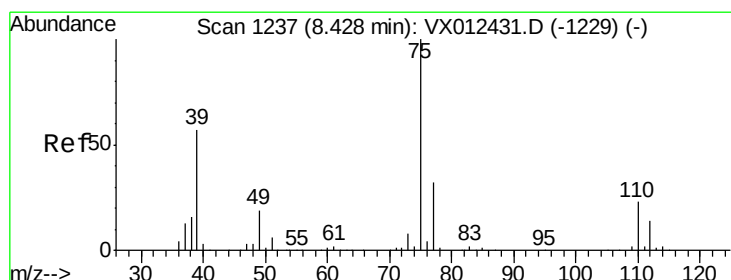
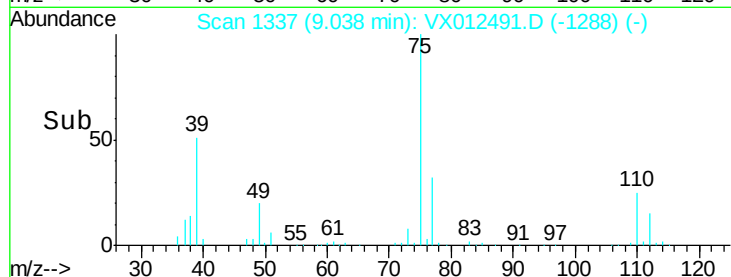
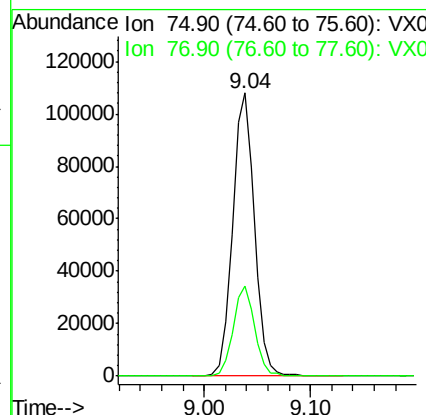
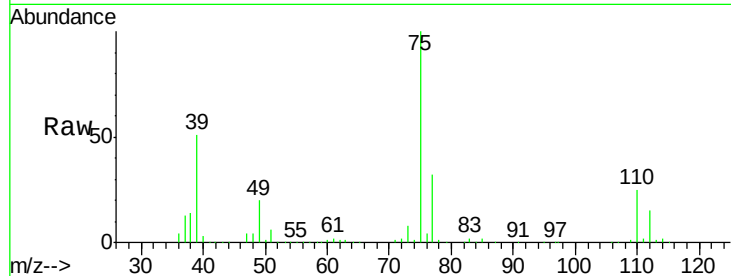
#53
t-1,3-Dichloropropene
Concen: 53.000 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX012491.D
Acq: 18 Sep 2019 22:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 155185
Ion Ratio Lower Upper
75 100
77 31.6 25.2 37.8

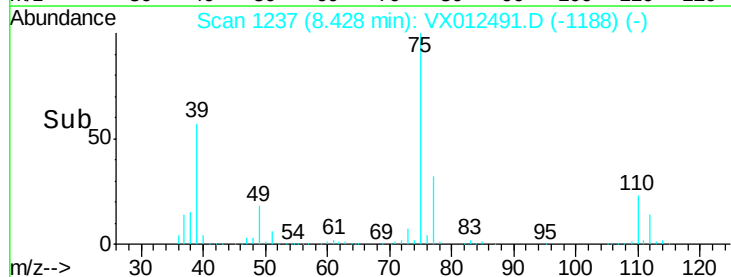
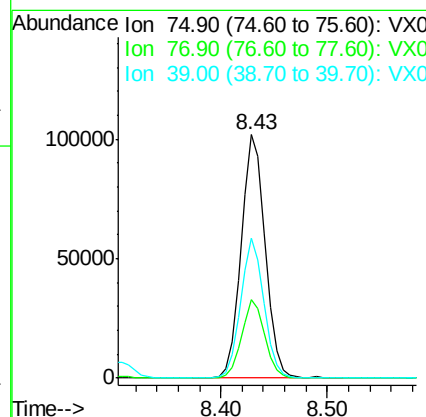
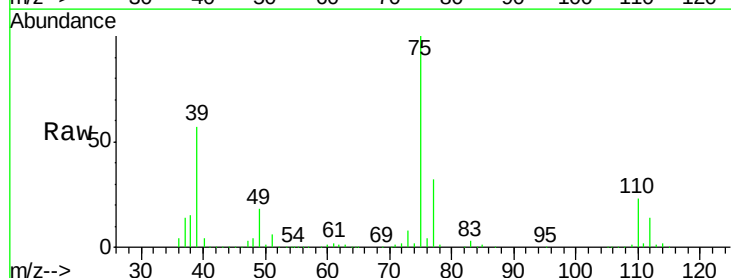
Manual Integrations
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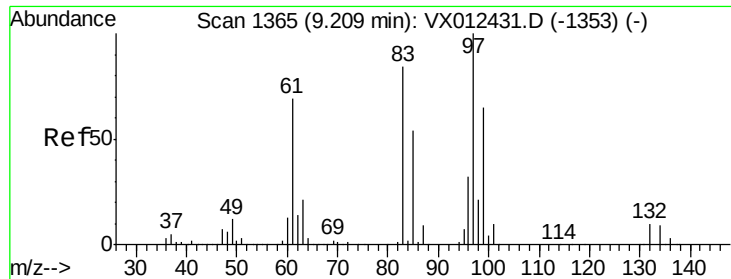
MMDadoda
9/19/2019 1:06:12 PM



#54
cis-1,3-Dichloropropene
Concen: 53.225 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX012491.D
Acq: 18 Sep 2019 22:24

Tgt Ion: 75 Resp: 161339
Ion Ratio Lower Upper
75 100
77 32.2 25.8 38.8
39 57.3 45.5 68.3





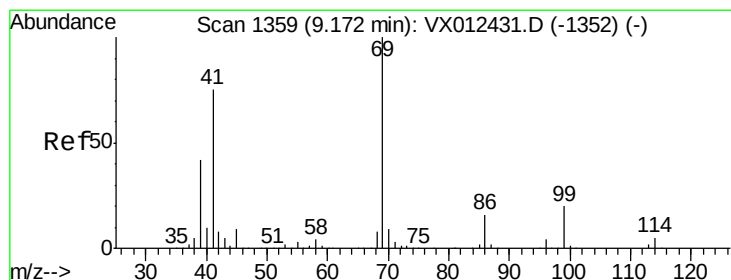
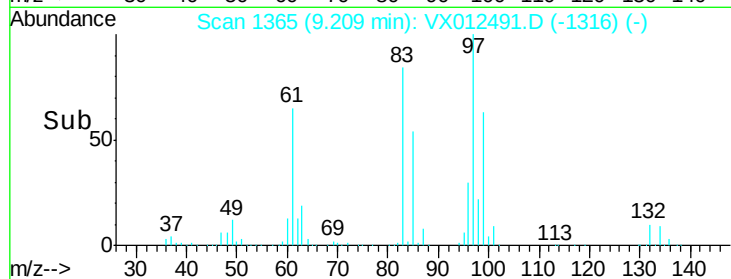
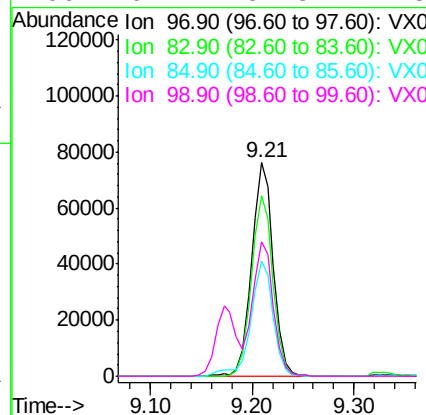
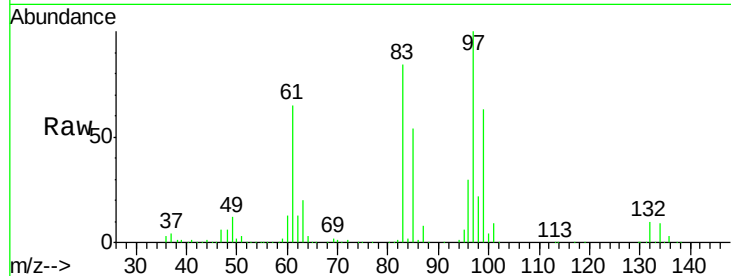
#55
 1,1,2-Trichloroethane
 Concen: 53.118 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012491.D
 Acq: 18 Sep 2019 22:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		112204		
83	84.4	67.4	101.2		
85	54.1	43.5	65.3		
99	62.7	51.8	77.8		

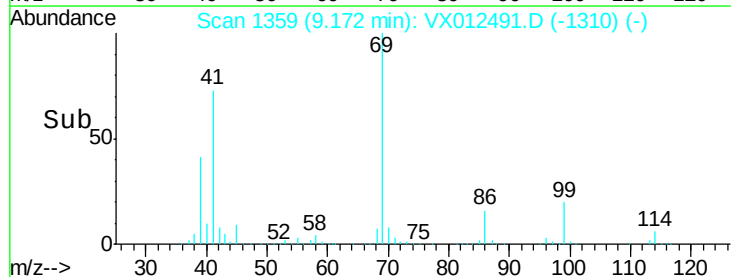
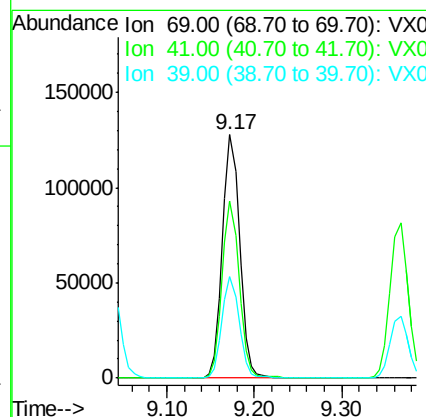
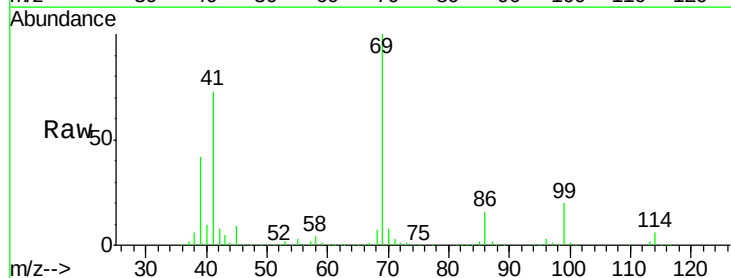
Manual Integrations
 APPROVED

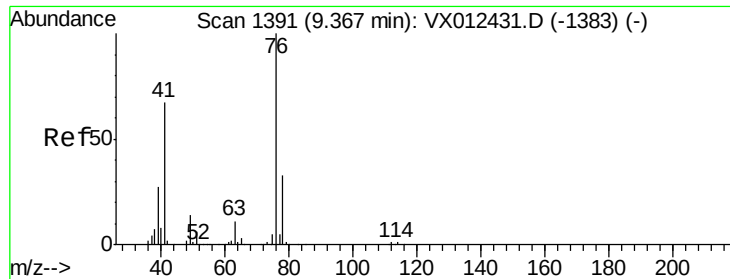
MMDadoda
 9/19/2019 1:06:12 PM



#56
 Ethyl methacrylate
 Concen: 53.446 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012491.D
 Acq: 18 Sep 2019 22:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		176514		
41	71.8	58.4	87.6		
39	41.0	33.4	50.0		





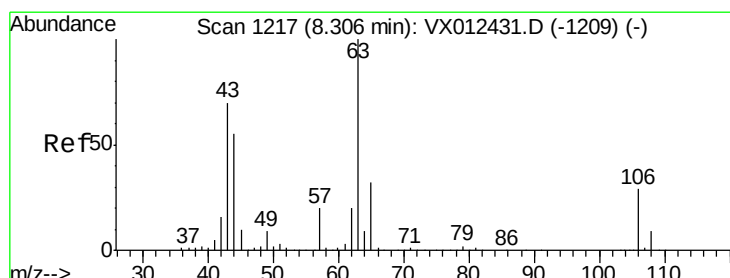
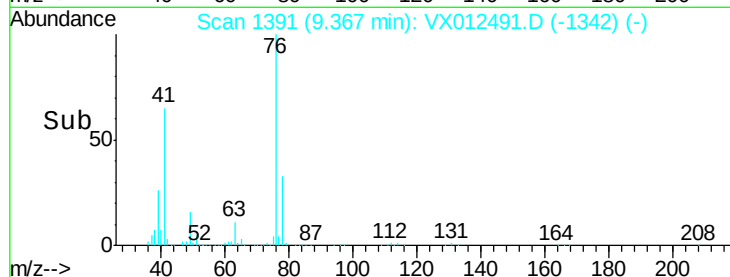
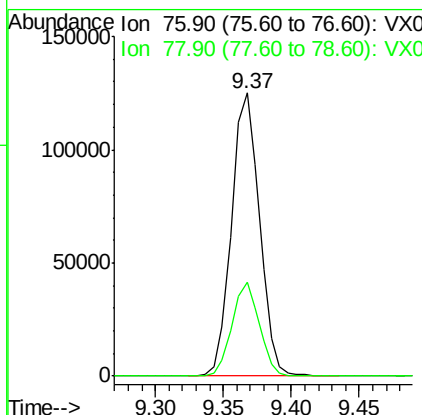
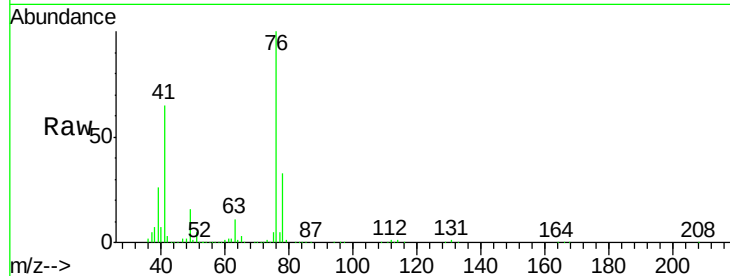
#57
 1,3-Dichloropropane
 Concen: 53.231 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX012491.D
 Acq: 18 Sep 2019 22:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.2	39.2

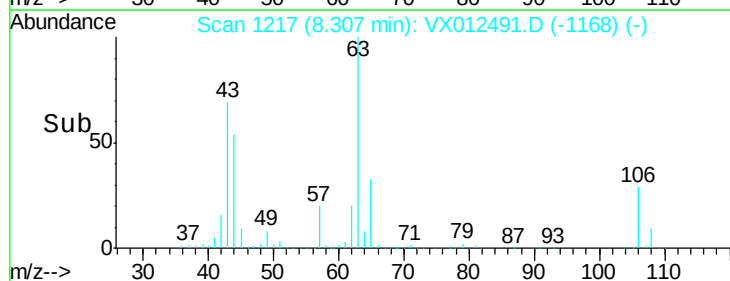
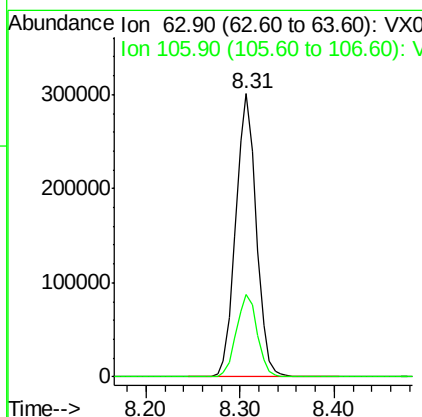
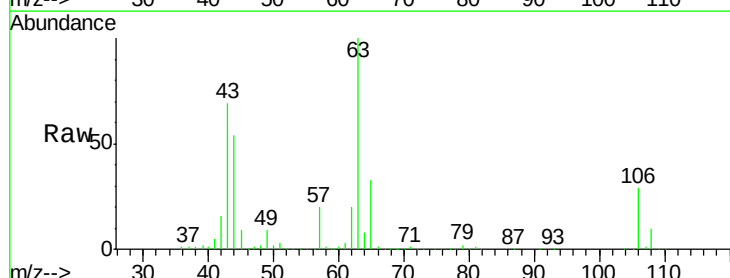
Manual Integrations
 APPROVED

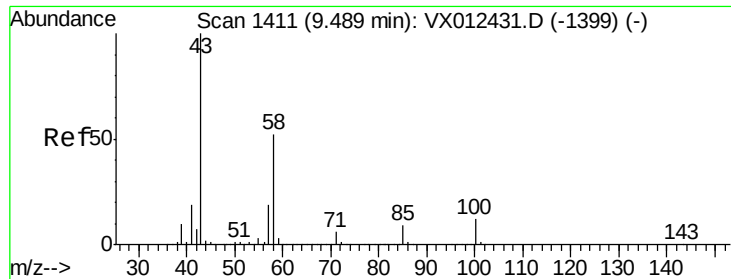
MMDadoda
 9/19/2019 1:06:12 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 266.223 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VX012491.D
 Acq: 18 Sep 2019 22:24

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.8	23.8	35.6





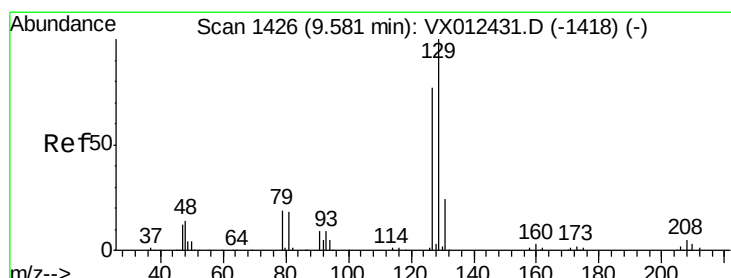
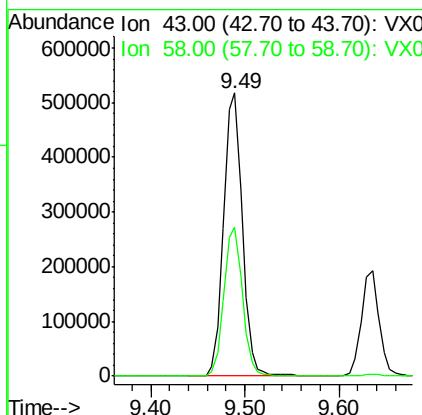
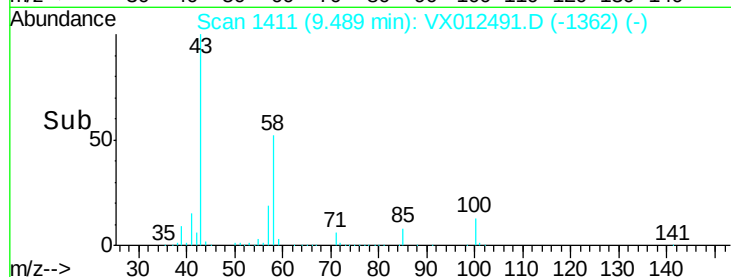
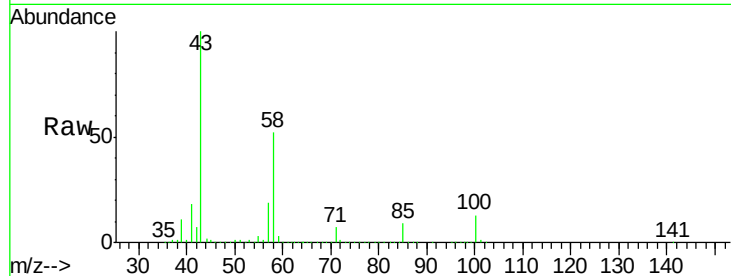
#59
2-Hexanone
Concen: 253.313 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.00 min
Lab File: VX012491.D
Acq: 18 Sep 2019 22:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 714464
Ion Ratio Lower Upper
43 100
58 52.5 25.7 77.1

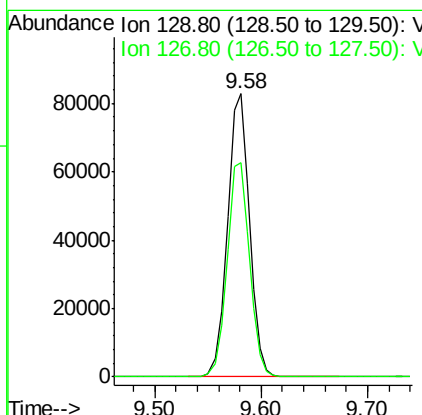
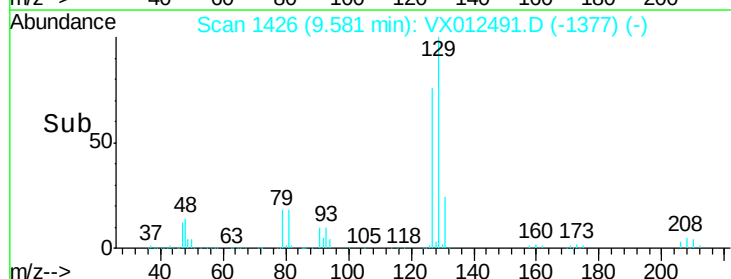
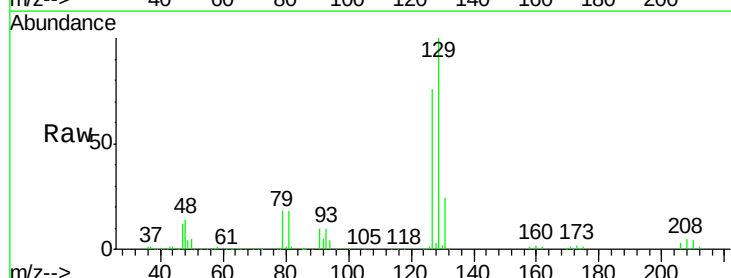
Manual Integrations
APPROVED

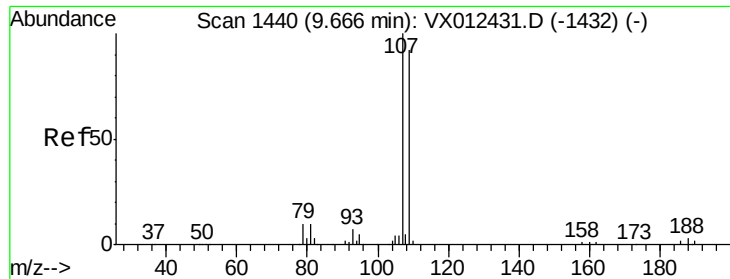
MMDadoda
9/19/2019 1:06:12 PM



#60
Dibromochloromethane
Concen: 55.695 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX012491.D
Acq: 18 Sep 2019 22:24

Tgt Ion: 129 Resp: 119838
Ion Ratio Lower Upper
129 100
127 77.2 38.9 116.6





#61

1,2-Dibromoethane

Concen: 55.325 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012491.D

Acq: 18 Sep 2019 22:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 106735

Ion Ratio Lower Upper

107 100

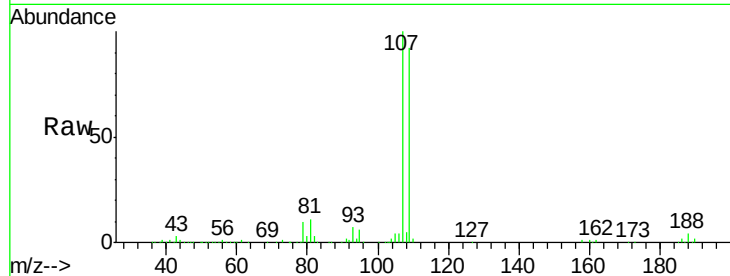
109 94.0 74.7 112.1

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

60000

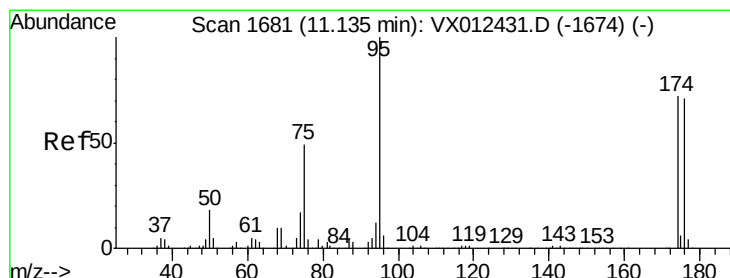
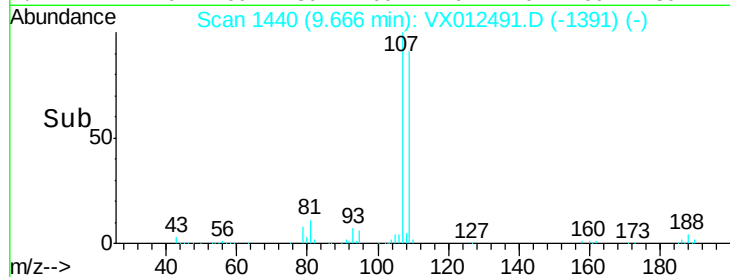
40000

20000

0

Time-->

9.60 9.70 9.80



#62

4-Bromofluorobenzene

Concen: 48.525 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012491.D

Acq: 18 Sep 2019 22:24

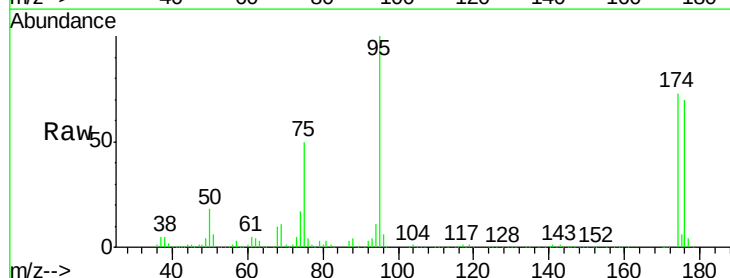
Tgt Ion: 95 Resp: 148612

Ion Ratio Lower Upper

95 100

174 71.6 0.0 140.0

176 68.9 0.0 135.4



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

150000

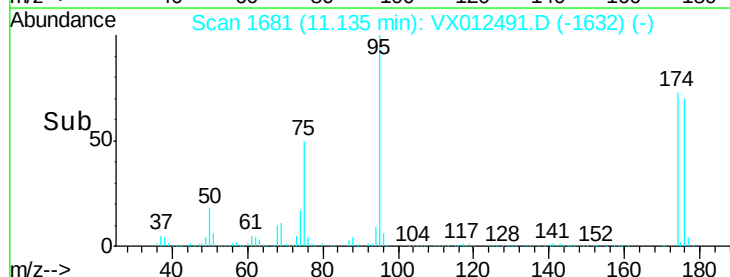
100000

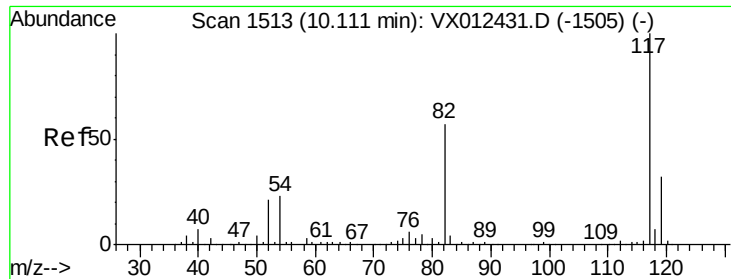
50000

0

Time-->

11.10 11.20





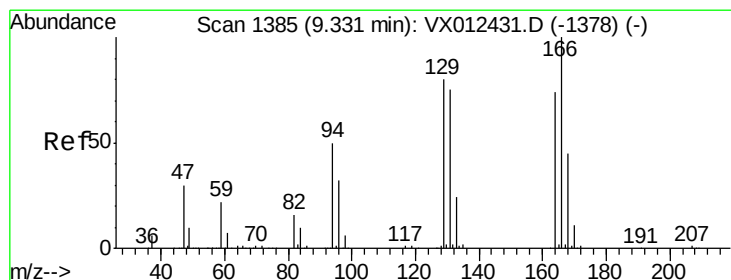
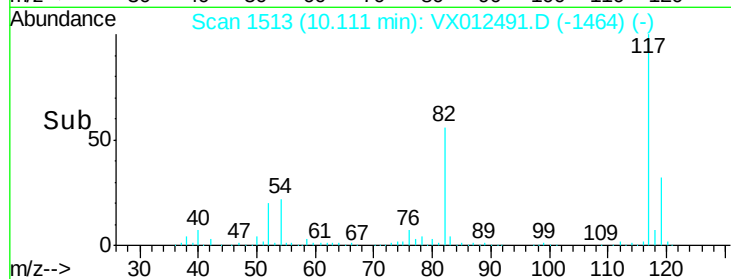
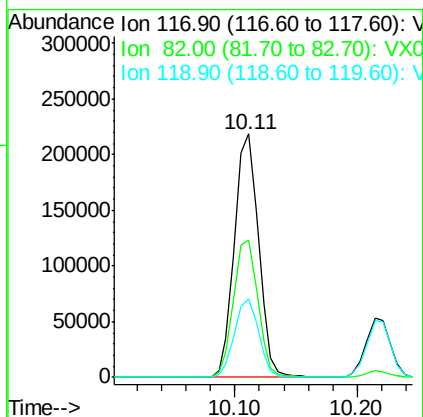
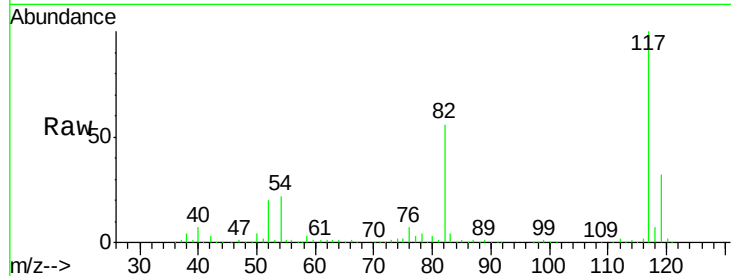
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012491.D
Acq: 18 Sep 2019 22:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	45.9	68.9
119	32.4	25.3	37.9

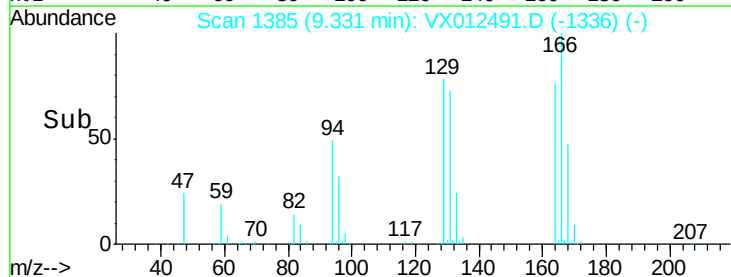
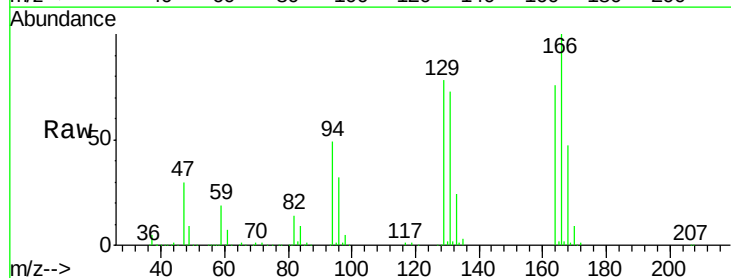
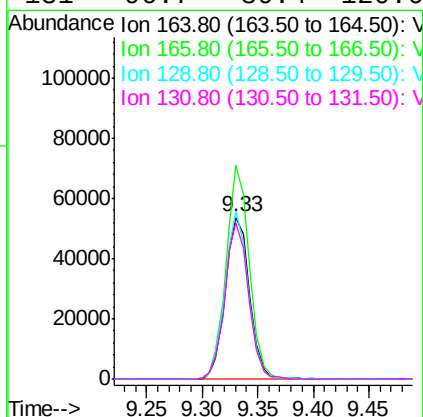
Manual Integrations
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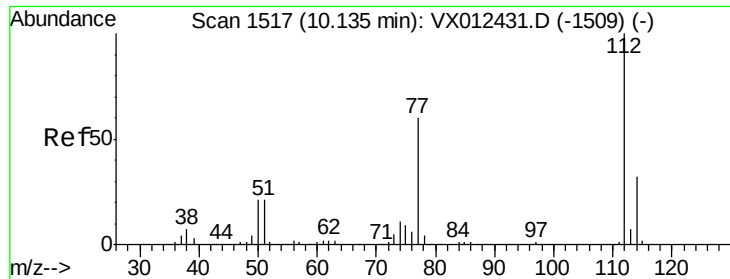
MMDadoda
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#64
Tetrachloroethene
Concen: 58.900 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012491.D
Acq: 18 Sep 2019 22:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.1	107.8	161.6
129	103.5	86.2	129.2
131	96.7	80.4	120.6





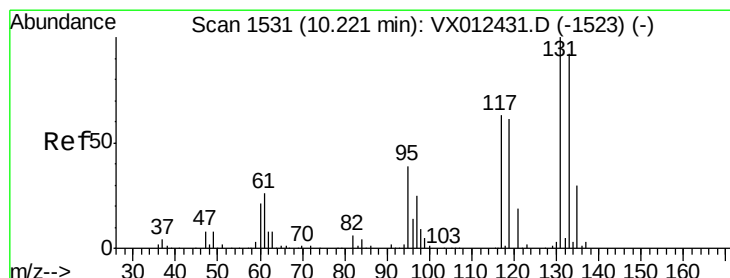
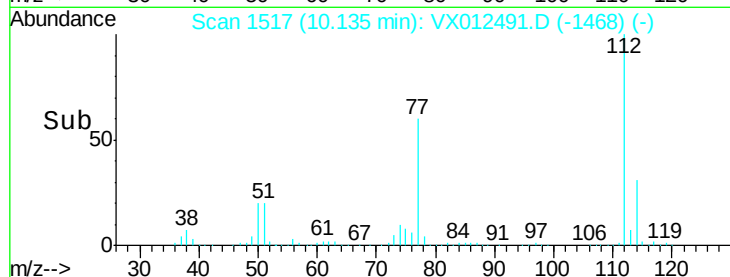
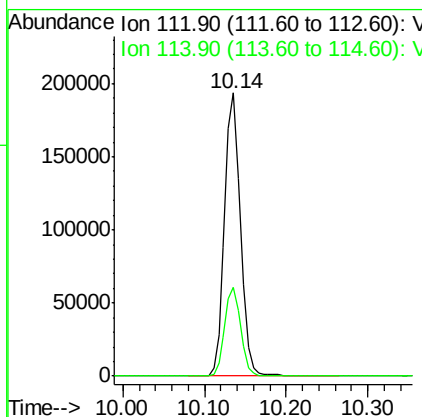
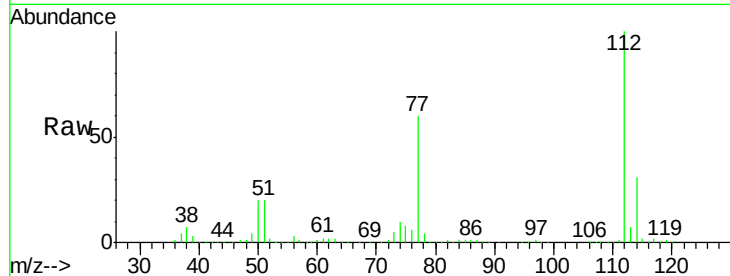
#65
Chlorobenzene
Concen: 53.359 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX012491.D
Acq: 18 Sep 2019 22:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 262448
Ion Ratio Lower Upper
112 100
114 31.5 25.4 38.0

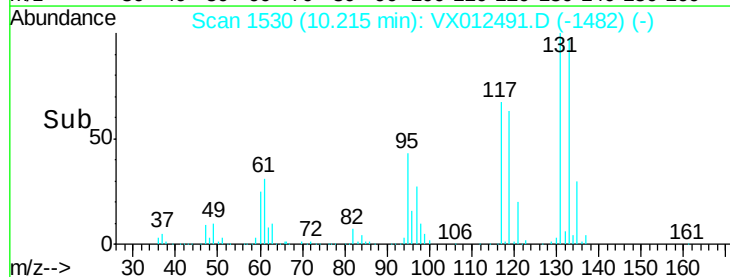
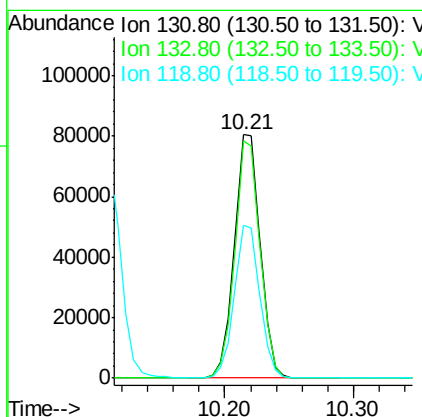
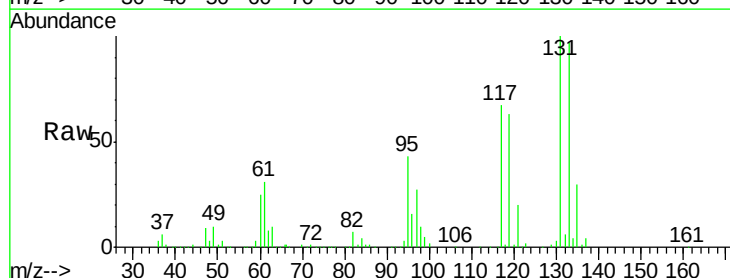
Manual Integrations
APPROVED

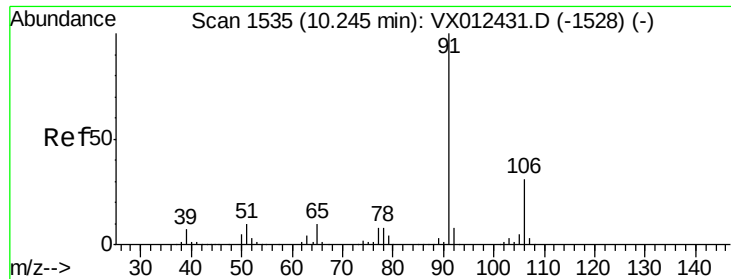
MMDadoda
9/19/2019 1:06:12 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 55.161 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VX012491.D
Acq: 18 Sep 2019 22:24

Tgt Ion:131 Resp: 112600
Ion Ratio Lower Upper
131 100
133 95.0 47.6 142.9
119 62.3 31.3 93.8





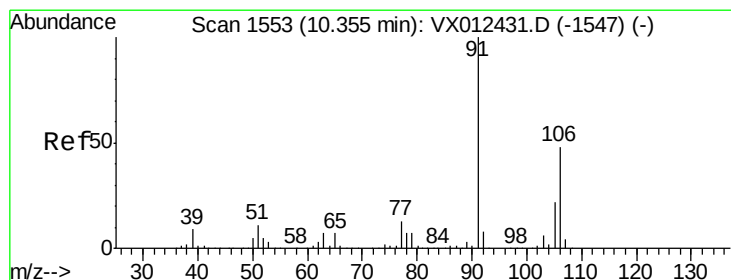
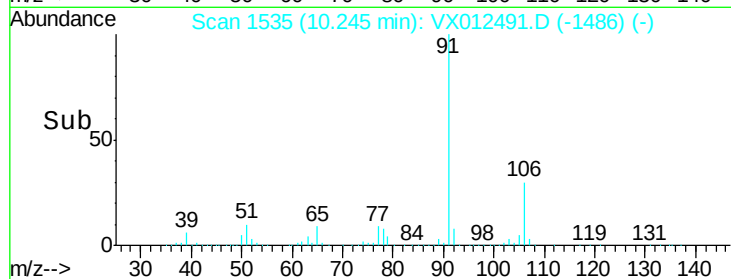
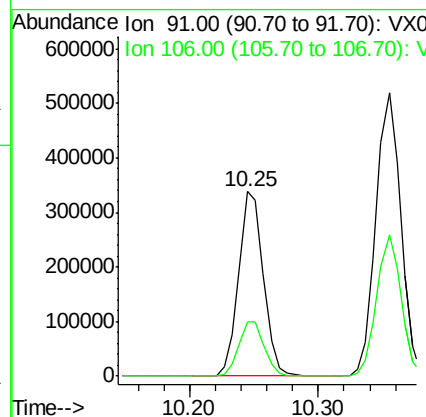
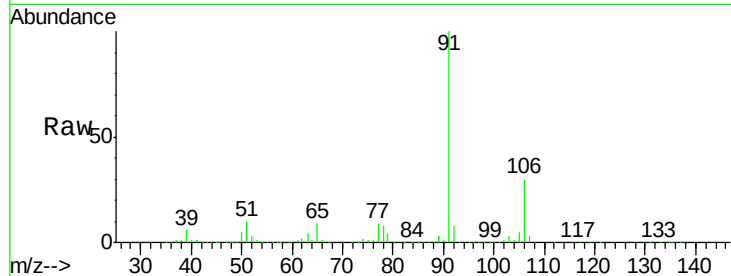
#67
Ethyl Benzene
Concen: 53.671 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX012491.D
Acq: 18 Sep 2019 22:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 453537
Ion Ratio Lower Upper
91 100
106 29.8 24.6 37.0

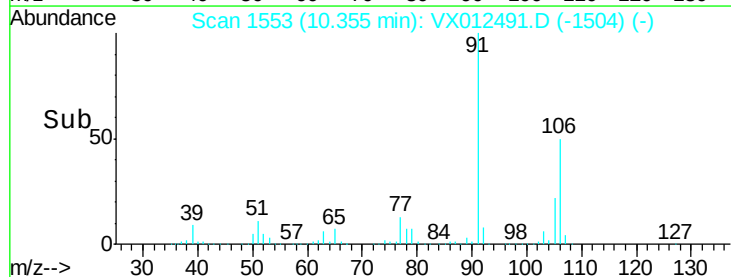
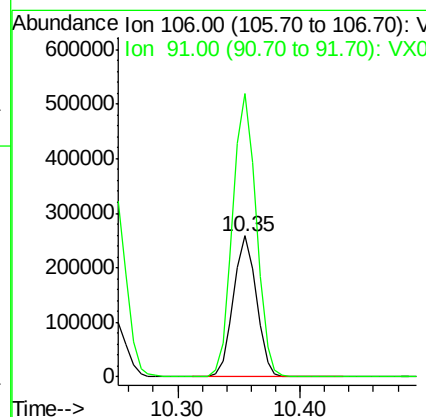
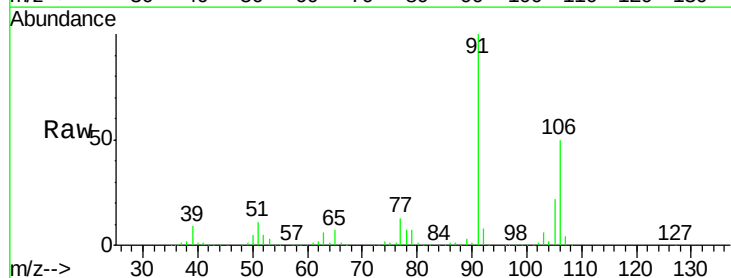
Manual Integrations
APPROVED

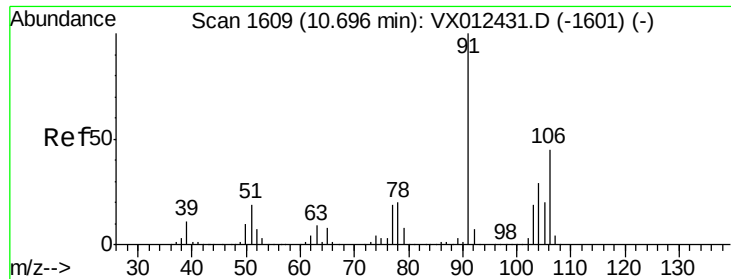
MMDadoda
9/19/2019 1:06:12 PM



#68
m/p-Xylenes
Concen: 109.651 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012491.D
Acq: 18 Sep 2019 22:24

Tgt Ion: 106 Resp: 337139
Ion Ratio Lower Upper
106 100
91 204.8 166.6 250.0





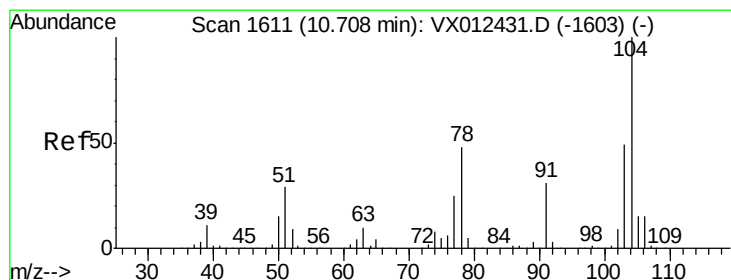
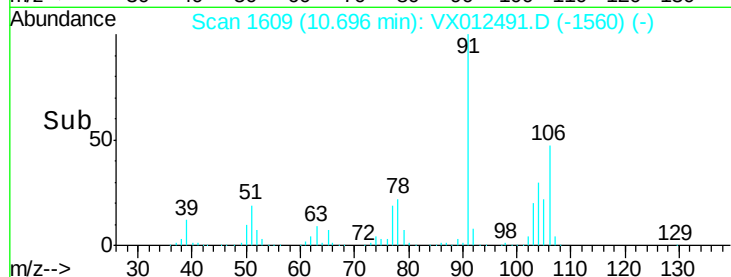
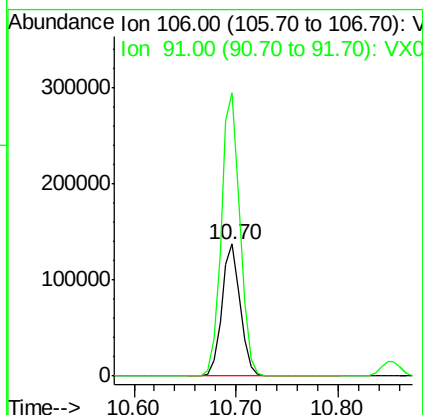
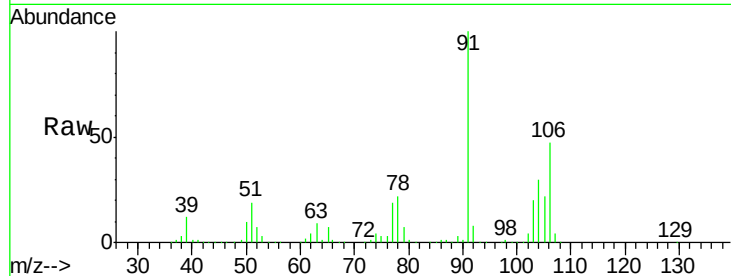
#69
o-Xylene
Concen: 54.470 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012491.D
Acq: 18 Sep 2019 22:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	218.1	109.4	328.2

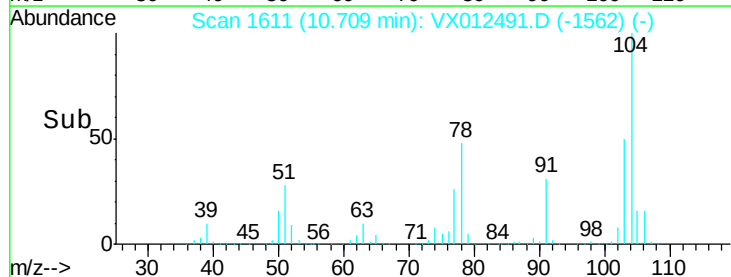
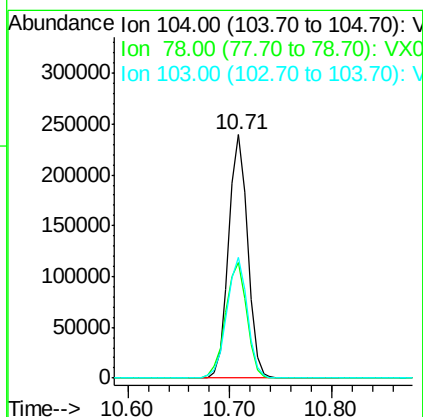
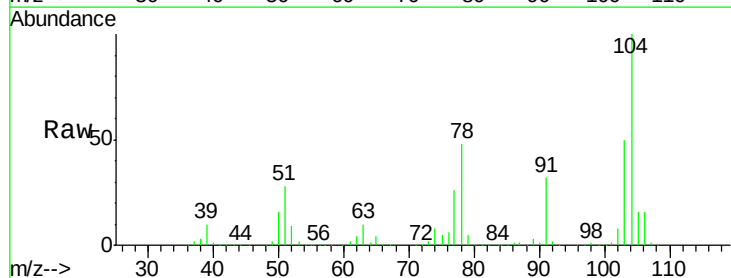
Manual Integrations
APPROVED

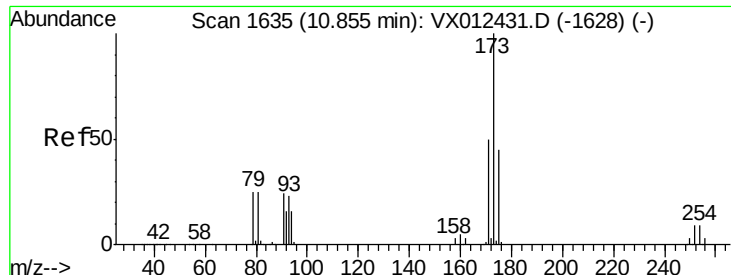
MMDadoda
9/19/2019 1:06:12 PM



#70
Styrene
Concen: 55.146 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012491.D
Acq: 18 Sep 2019 22:24

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.2	43.4	65.2
103	53.8	43.3	64.9





#71

Bromoform

Concen: 49.319 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012491.D

Acq: 18 Sep 2019 22:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 86609

Ion Ratio Lower Upper

173 100

175 48.1 23.7 71.1

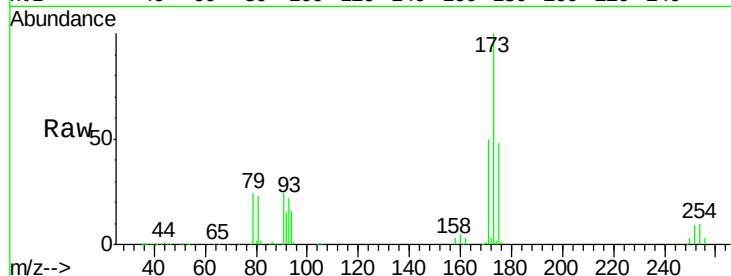
254 0.1 0.1 0.1

Manual Integrations

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MMDadoda

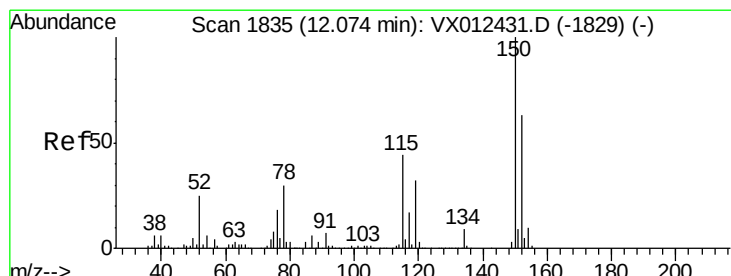
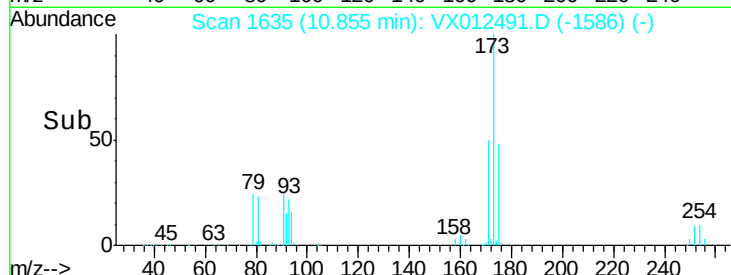
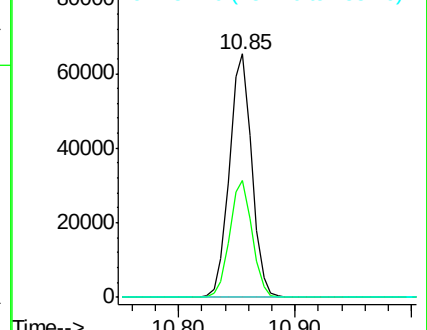
9/19/2019 1:06:12 PM



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# 1835

Delta R.T. 0.00 min

Lab File: VX012491.D

Acq: 18 Sep 2019 22:24

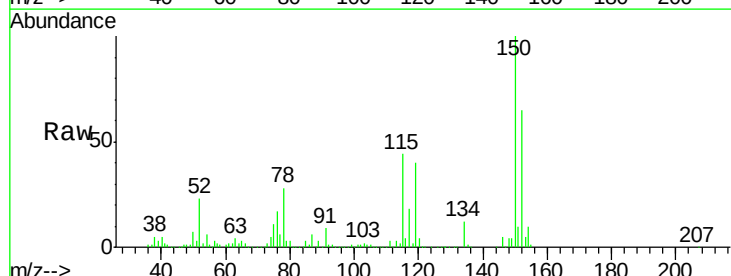
Tgt Ion:152 Resp: 145418

Ion Ratio Lower Upper

152 100

115 86.0 44.1 132.3

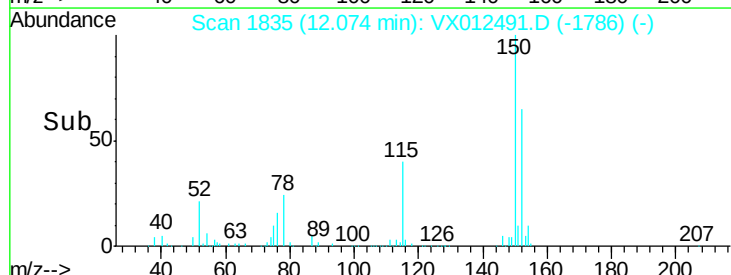
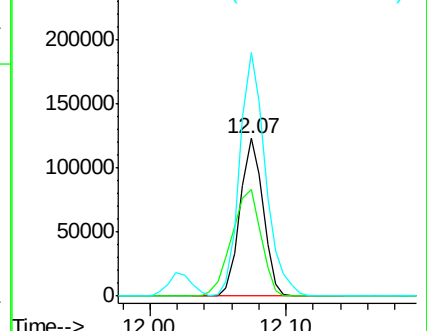
150 172.7 0.0 343.8

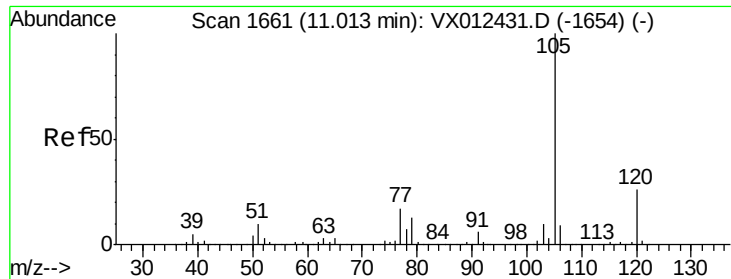


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





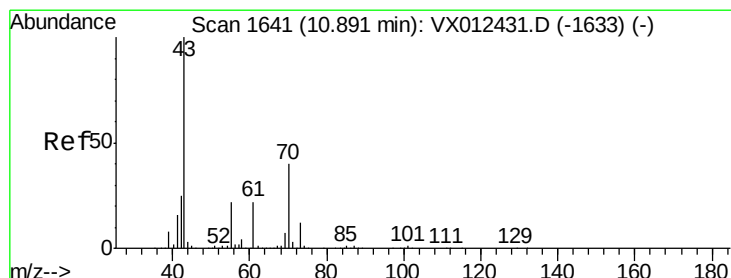
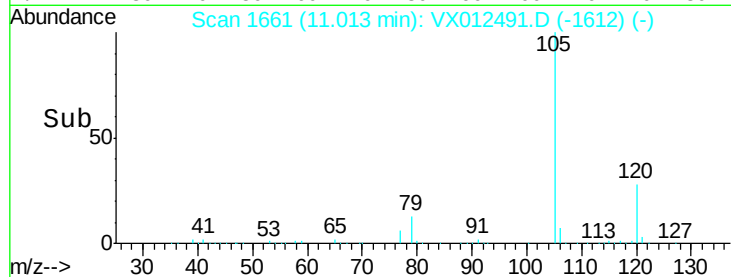
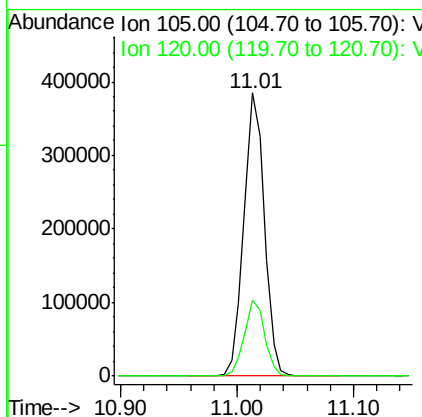
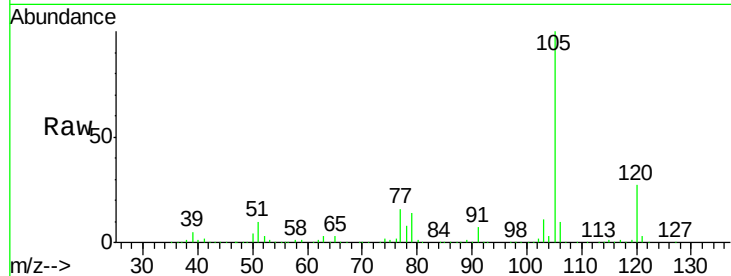
#73
Isopropylbenzene
Concen: 52.353 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX012491.D
Acq: 18 Sep 2019 22:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
105	105	100		
120	120	26.6	12.9	38.7

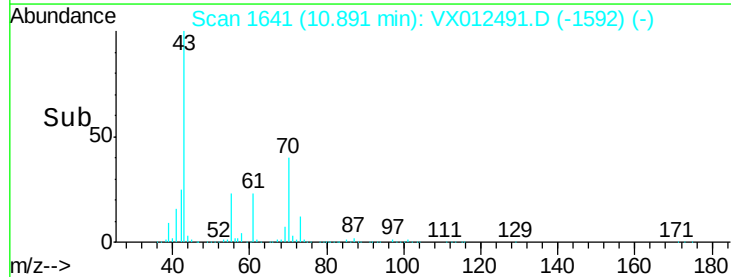
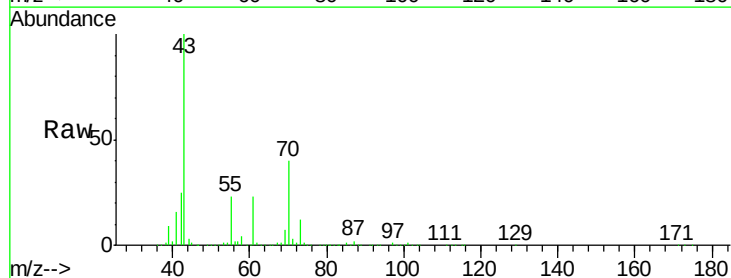
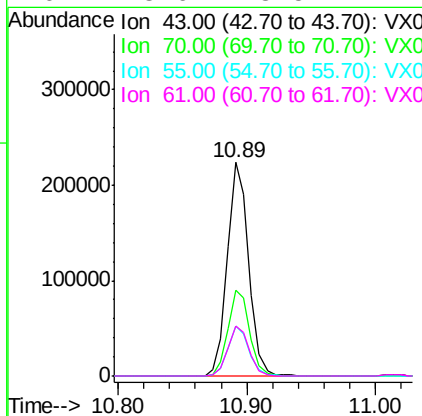
Manual Integrations
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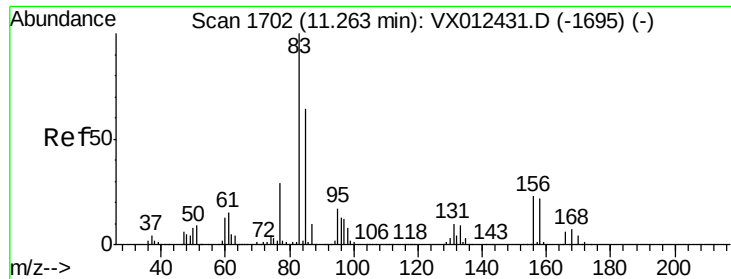
MMDadoda
9/19/2019 1:06:12 PM



#74
N-ethyl acetate
Concen: 53.038 ug/l
RT: 10.89 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VX012491.D
Acq: 18 Sep 2019 22:24

Tgt Ion	Ion	Ratio	Lower	Upper
43	43	100		
70	70	40.8	32.4	48.6
55	55	23.5	18.2	27.4
61	61	23.6	18.5	27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 52.021 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012491.D

Acq: 18 Sep 2019 22:24

Instrument :

MSVOA_X

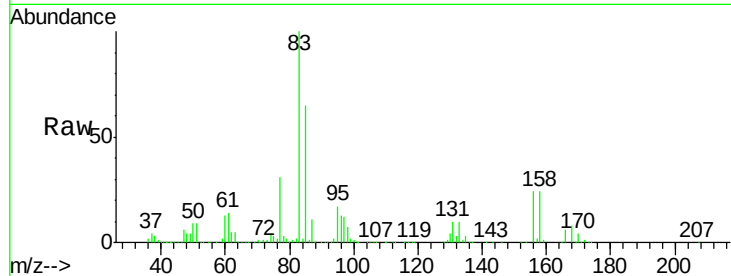
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	186191
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.2	15.6
85	64.1	32.0	96.0

Manual Integrations
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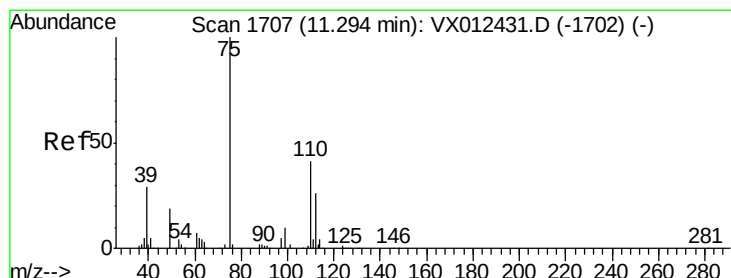
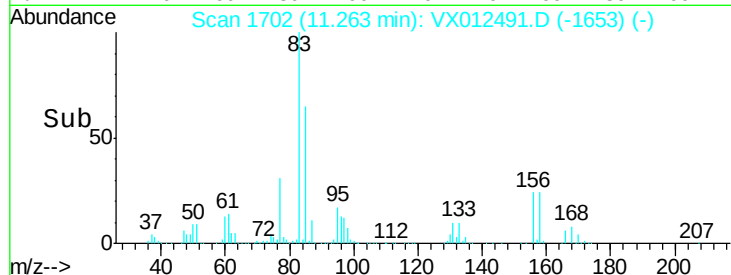
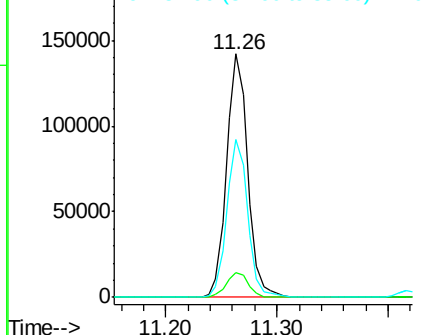
MMDadoda
9/19/2019 1:06:12 PM



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: 51.661 ug/l m

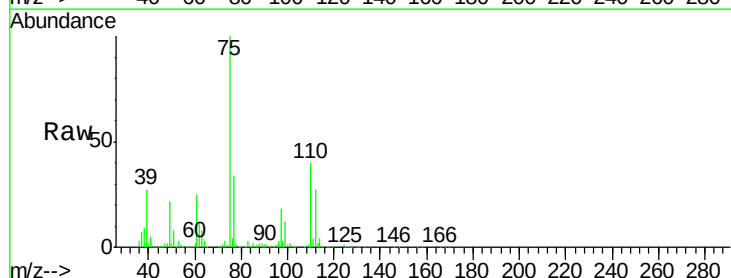
RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX012491.D

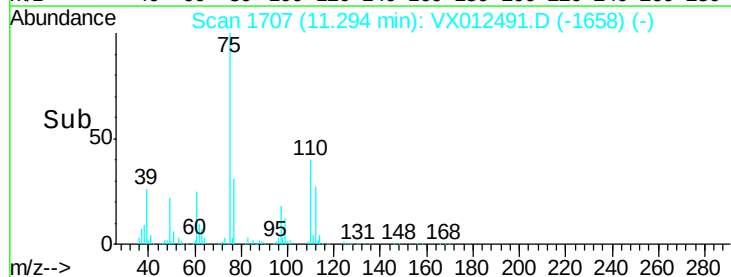
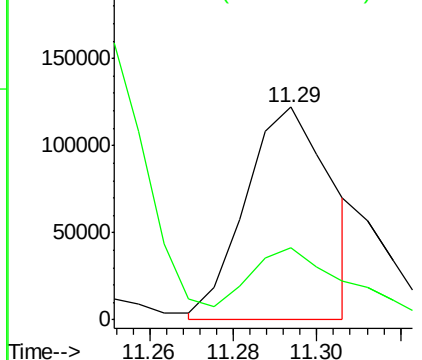
Acq: 18 Sep 2019 22:24

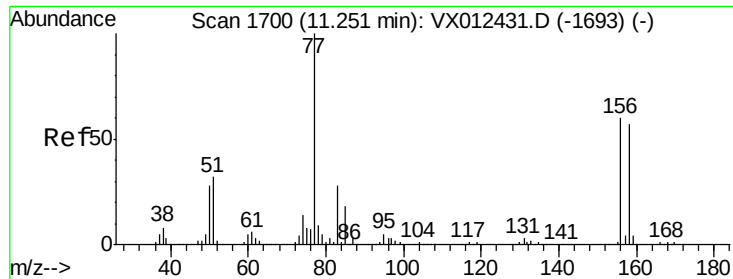
Tgt Ion:	75	Resp:	172568
Ion Ratio	Lower	Upper	
75	100		
77	39.0	19.7	59.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 54.609 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012491.D

Acq: 18 Sep 2019 22:24

Instrument :

MSVOA_X

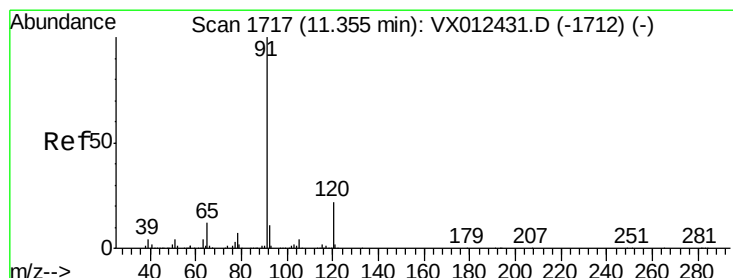
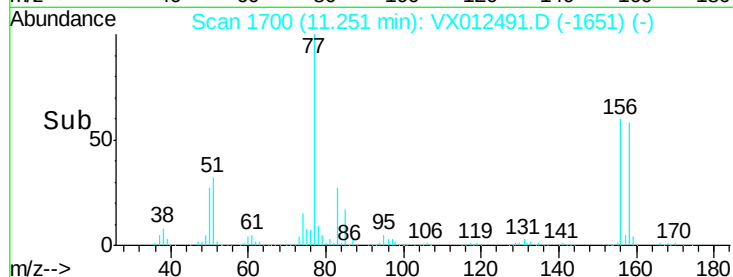
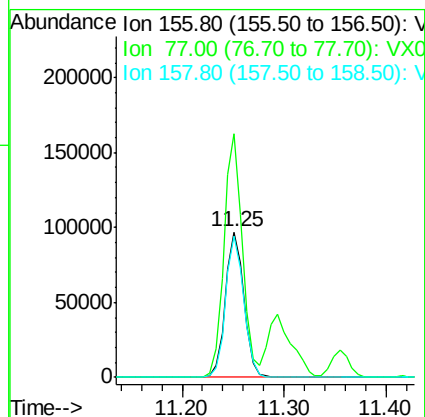
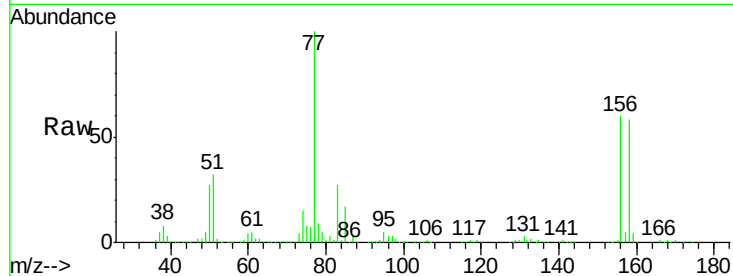
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	121516
Ion Ratio	Lower	Upper	
156	100		
77	168.0	87.3	261.8
158	96.3	48.5	145.6

Manual Integrations
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#78

n-propylbenzene

Concen: 53.404 ug/l

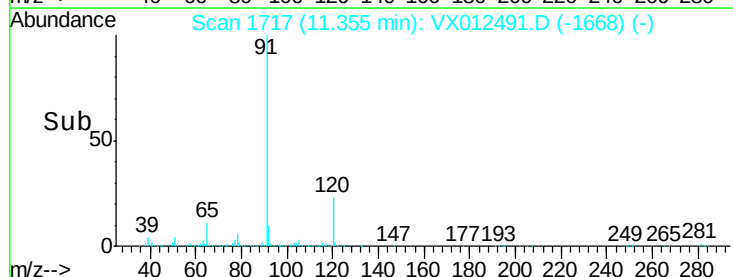
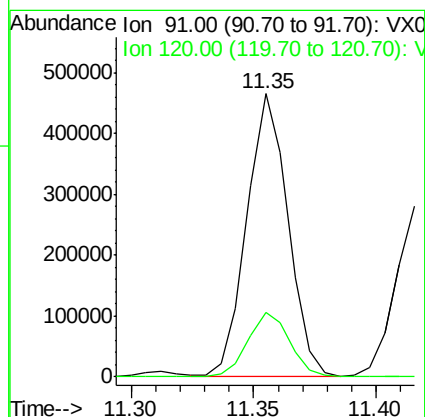
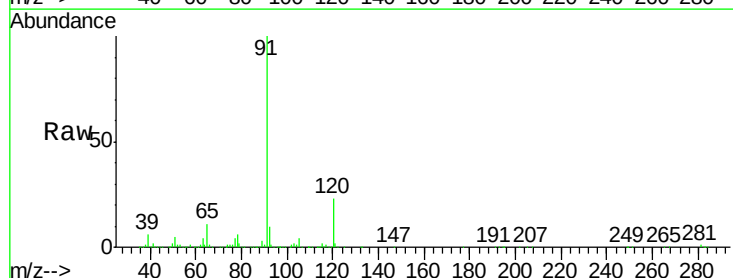
RT: 11.35 min Scan# 1717

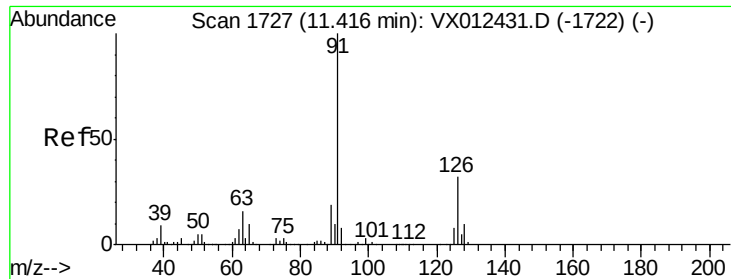
Delta R.T. 0.00 min

Lab File: VX012491.D

Acq: 18 Sep 2019 22:24

Tgt Ion:	91	Resp:	543079
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.3	33.8





#79

2-Chlorotoluene

Concen: 51.364 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX012491.D

Acq: 18 Sep 2019 22:24

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 339808

Ion Ratio Lower Upper

91 100

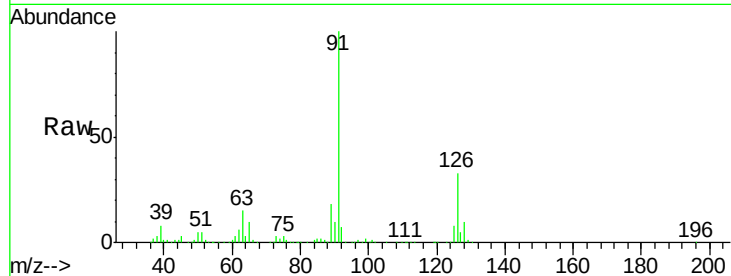
126 33.6 16.4 49.4

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Abundance Ion 91.00 (90.70 to 91.70): VX012431.D (-1722) (-)

Ion 125.90 (125.60 to 126.60): VX012431.D (-1722) (-)

500000

400000

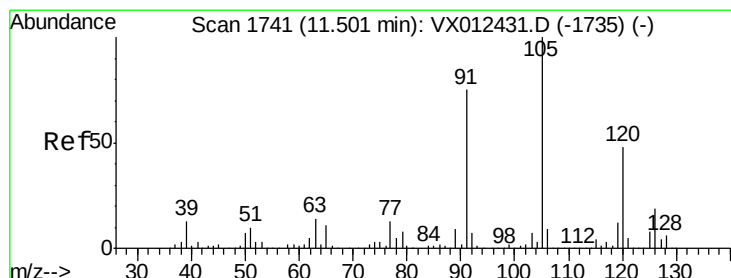
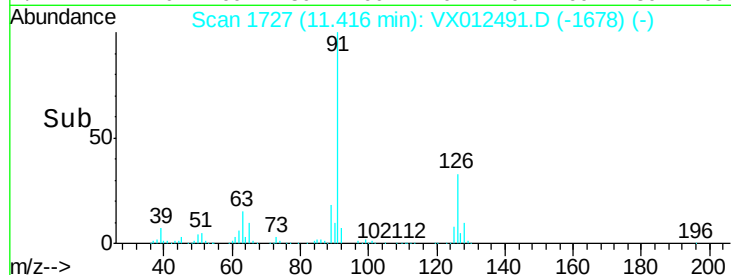
300000

200000

100000

0

Time--> 11.35 11.40 11.45



#80

1,3,5-Trimethylbenzene

Concen: 52.852 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX012491.D

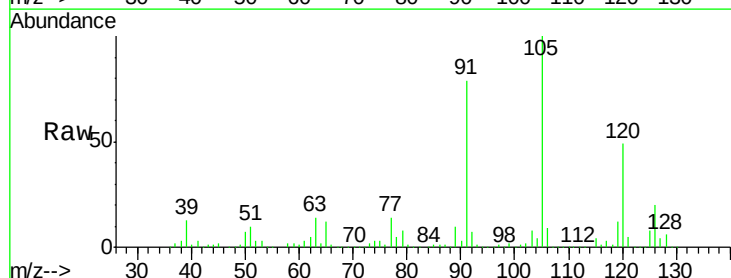
Acq: 18 Sep 2019 22:24

Tgt Ion: 105 Resp: 411264

Ion Ratio Lower Upper

105 100

120 48.5 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VX012431.D (-1735) (-)

Ion 120.00 (119.70 to 120.70): VX012431.D (-1735) (-)

400000

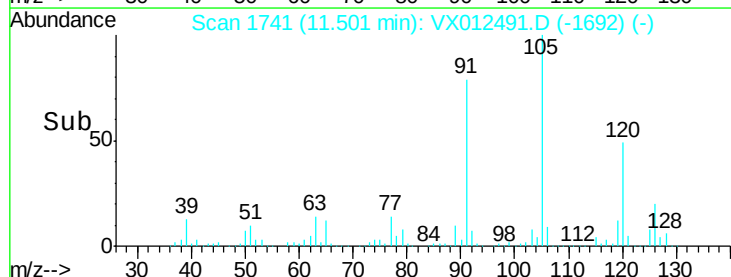
300000

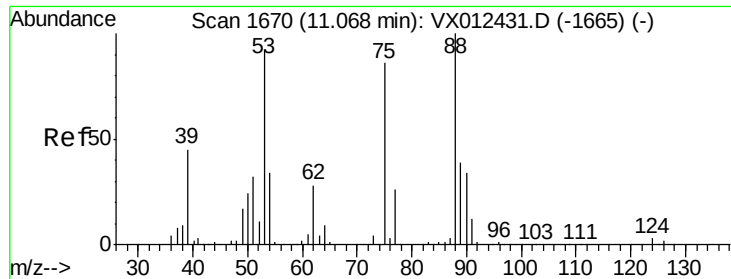
200000

100000

0

Time--> 11.45 11.50 11.55 11.60





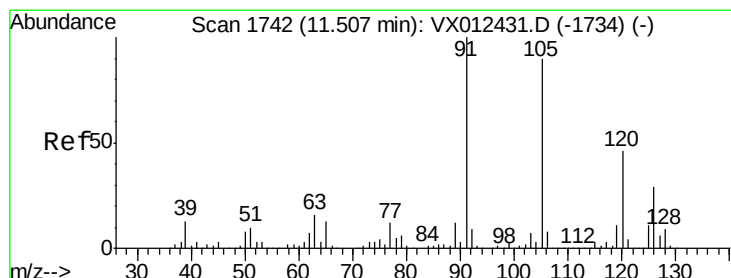
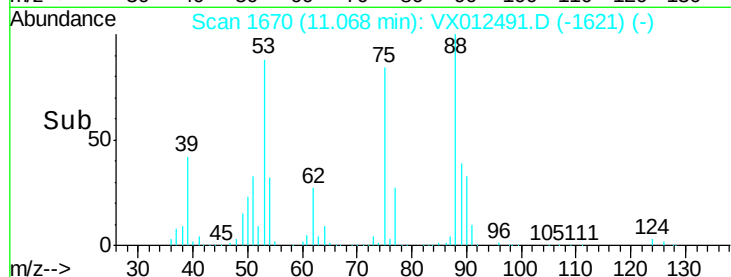
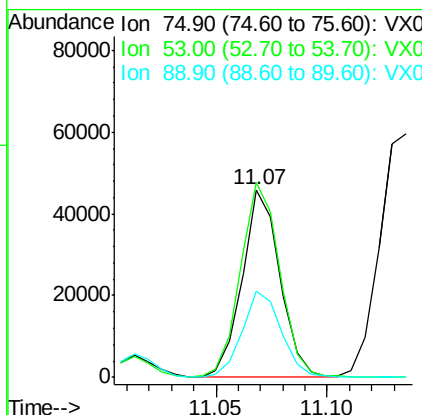
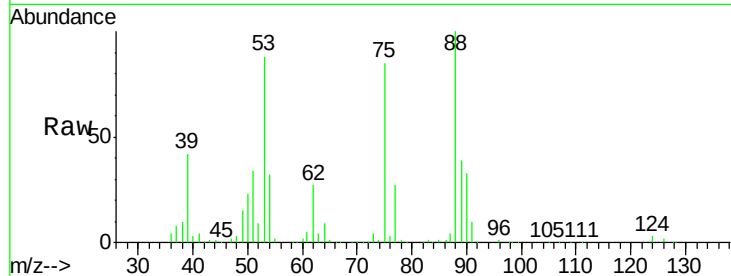
#81
trans-1,4-Dichloro-2-butene
Concen: 44.963 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX012491.D
Acq: 18 Sep 2019 22:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 54303
Ion Ratio Lower Upper
75 100
53 107.9 83.6 125.4
89 47.8 36.3 54.5

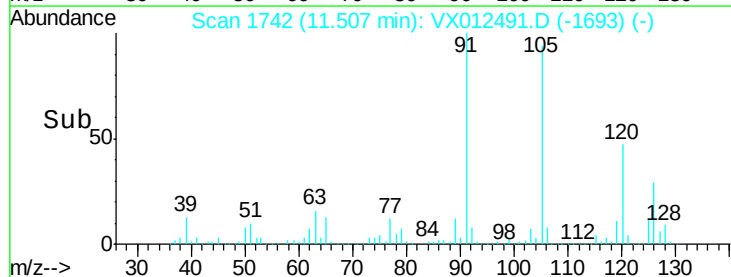
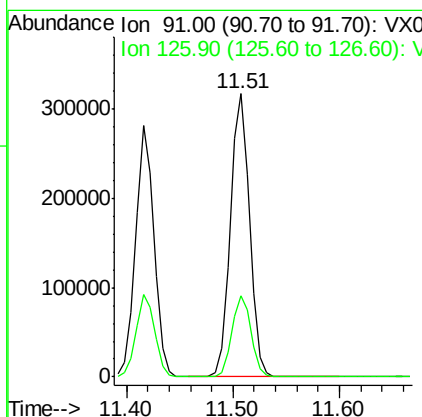
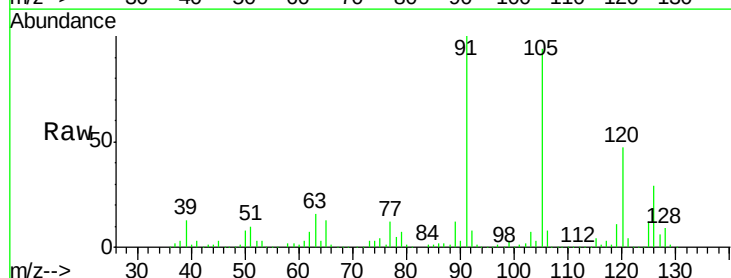
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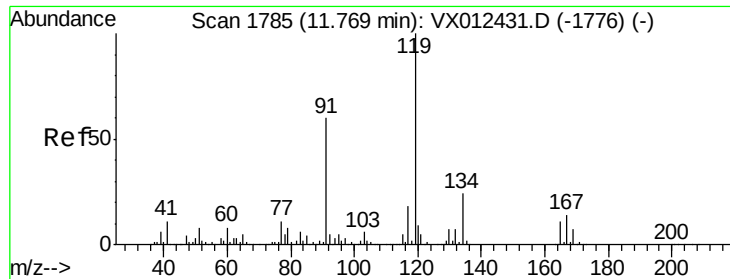
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#82
4-Chlorotoluene
Concen: 52.695 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX012491.D
Acq: 18 Sep 2019 22:24

Tgt Ion: 91 Resp: 400099
Ion Ratio Lower Upper
91 100
126 28.6 14.4 43.0





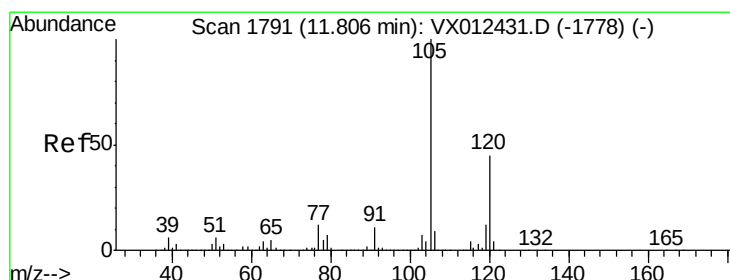
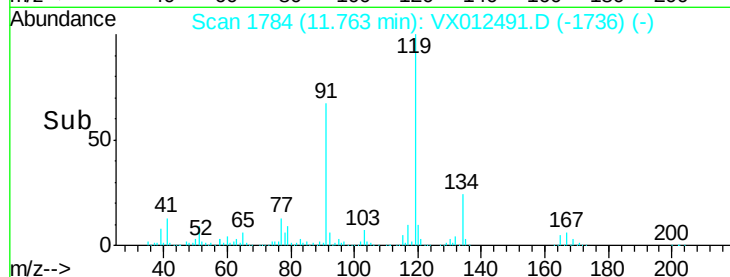
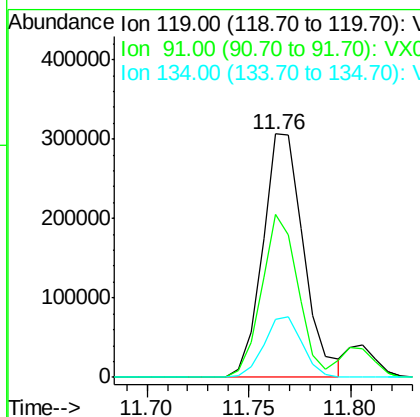
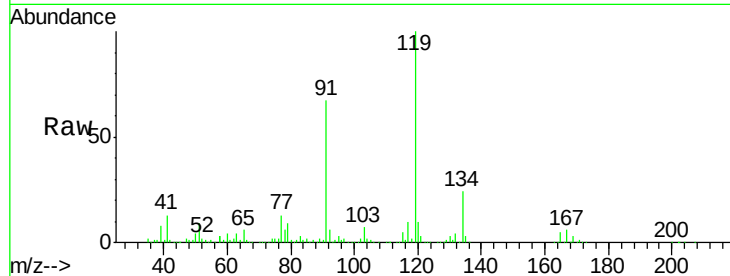
#83
 tert-Butylbenzene
 Concen: 51.416 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: VX012491.D
 Acq: 18 Sep 2019 22:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	428710		
91	59.8	30.0	90.0	
134	23.3	11.3	33.9	

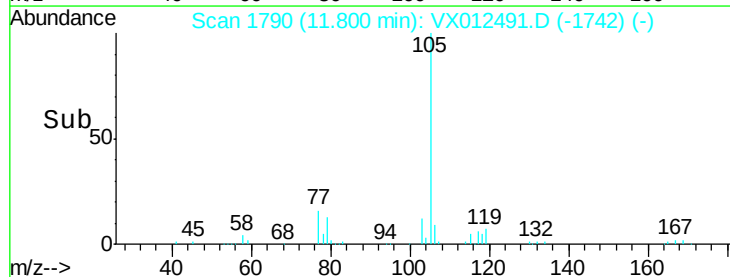
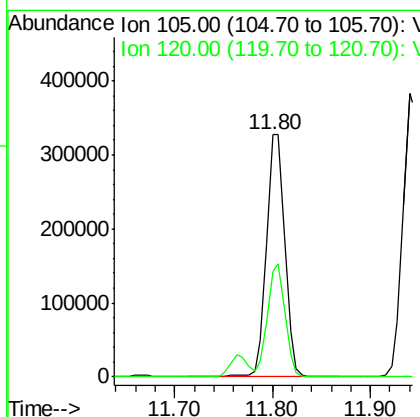
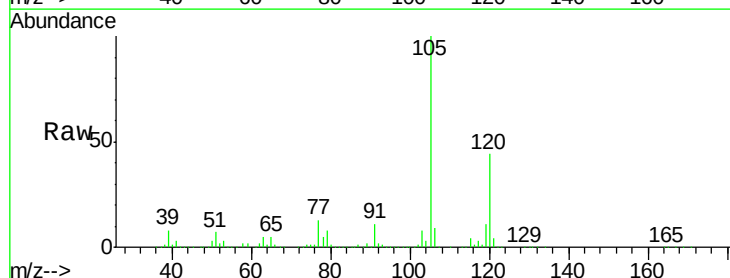
Manual Integrations
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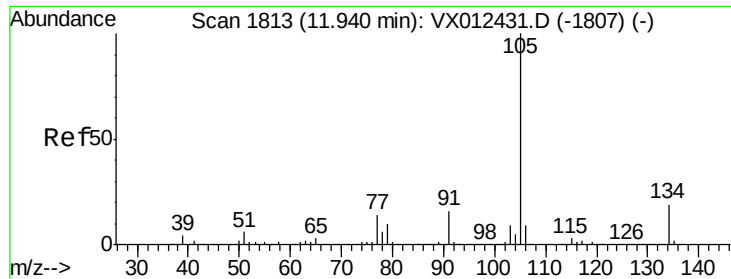
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.445 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: VX012491.D
 Acq: 18 Sep 2019 22:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	427009		
120	44.5	22.2	66.6	





#85

sec-Butylbenzene

Concen: 52.830 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012491.D

Acq: 18 Sep 2019 22:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 485404

Ion Ratio Lower Upper

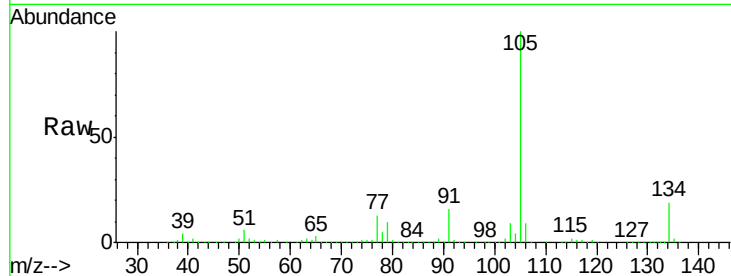
105 100

134 20.1 9.8 29.4

Manual Integrations
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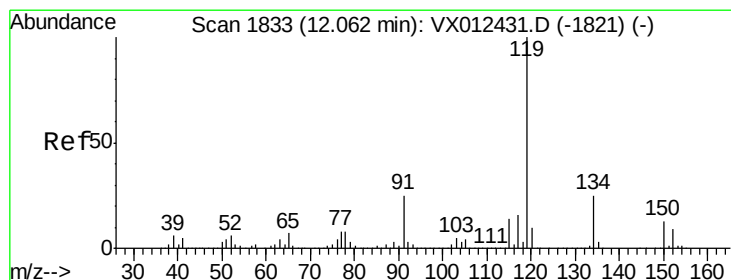
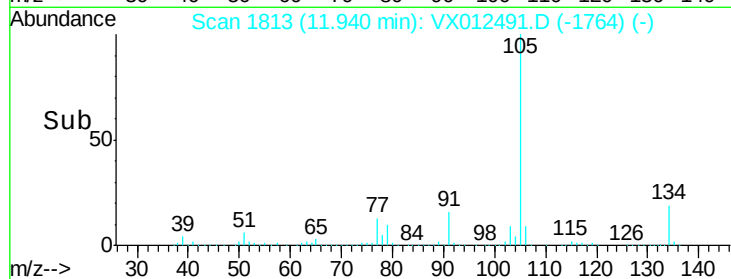
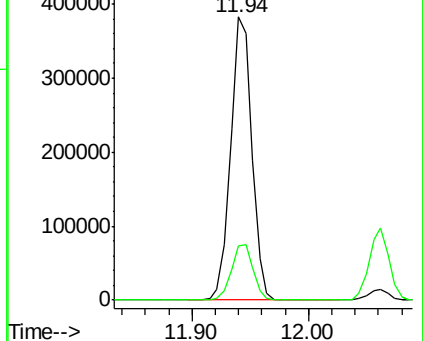
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.086 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012491.D

Acq: 18 Sep 2019 22:24

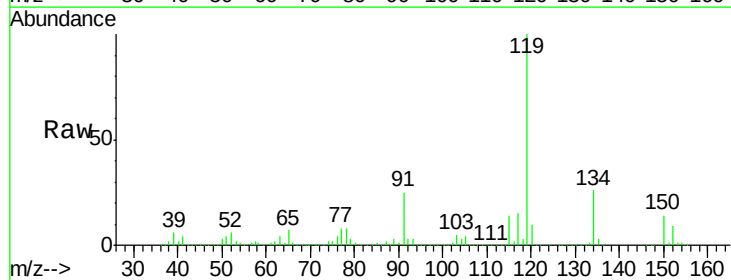
Tgt Ion:119 Resp: 447882

Ion Ratio Lower Upper

119 100

134 25.8 12.7 38.1

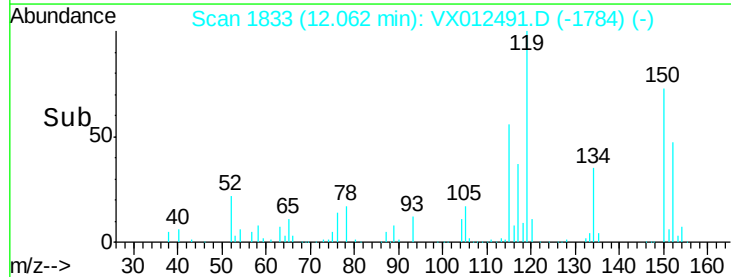
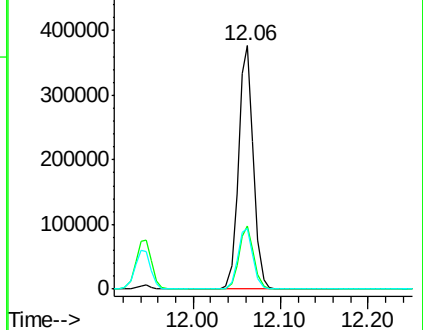
91 25.6 12.8 38.4

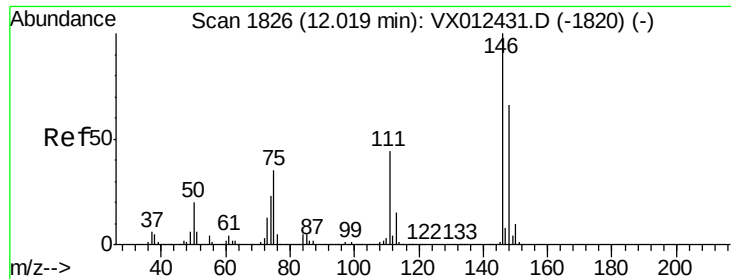


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





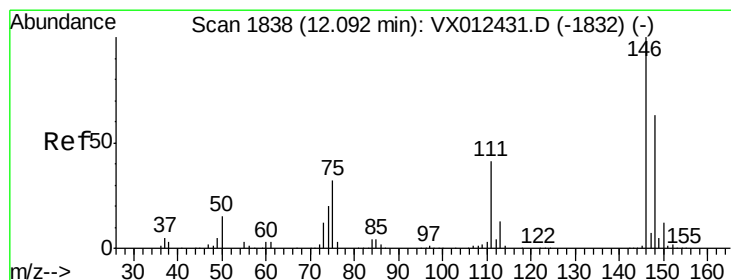
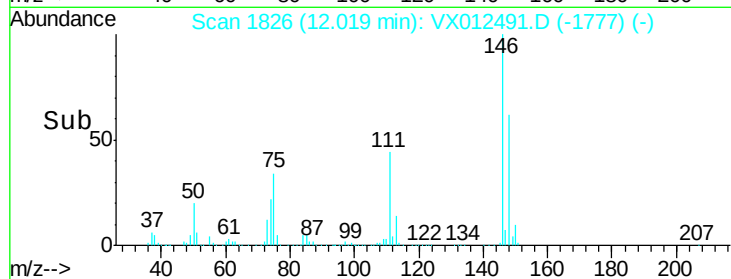
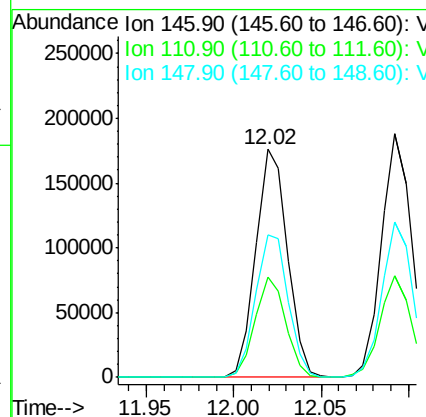
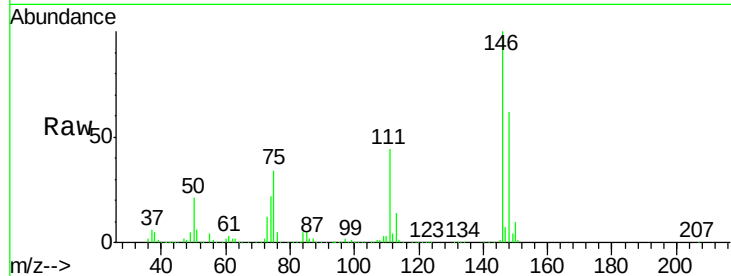
#87
 1,3-Dichlorobenzene
 Concen: 53.132 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012491.D
 Acq: 18 Sep 2019 22:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.3	64.0
148	64.5	32.4	97.2

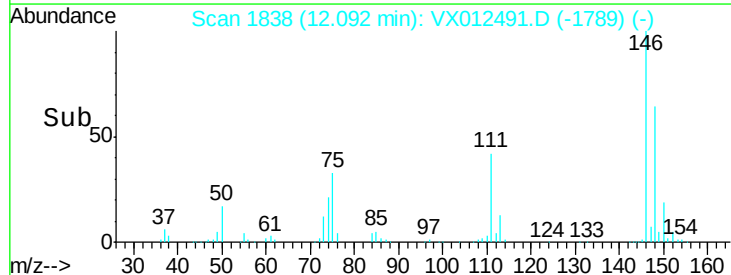
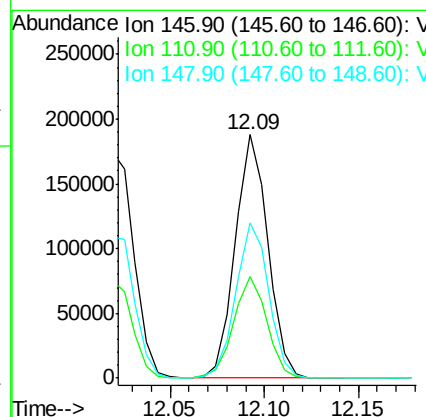
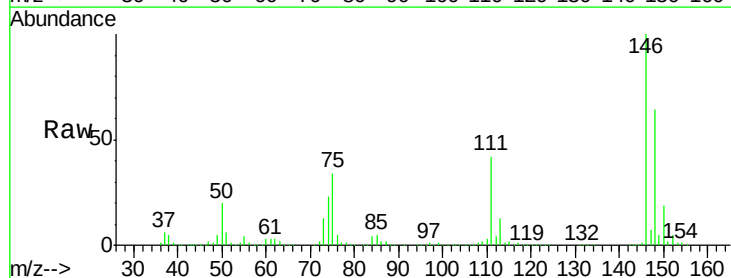
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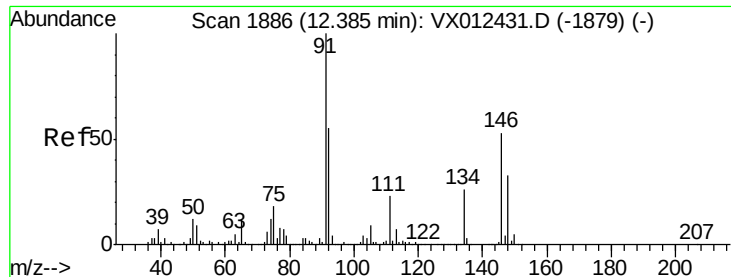
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#88
 1,4-Dichlorobenzene
 Concen: 52.506 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012491.D
 Acq: 18 Sep 2019 22:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.1	63.3
148	64.2	32.1	96.5





#89

n-Butylbenzene

Concen: 50.861 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012491.D

Acq: 18 Sep 2019 22:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 382872

Ion Ratio Lower Upper

91 100

92 54.7 27.7 83.0

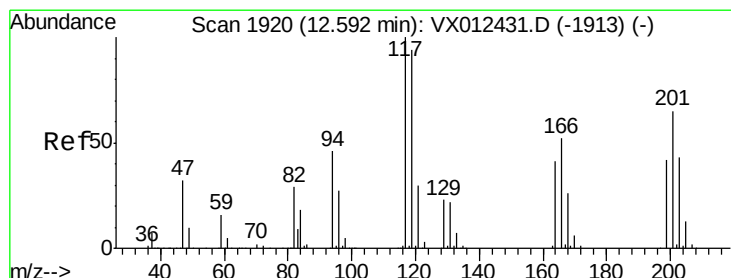
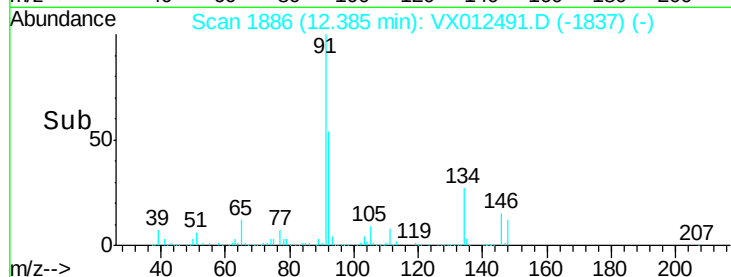
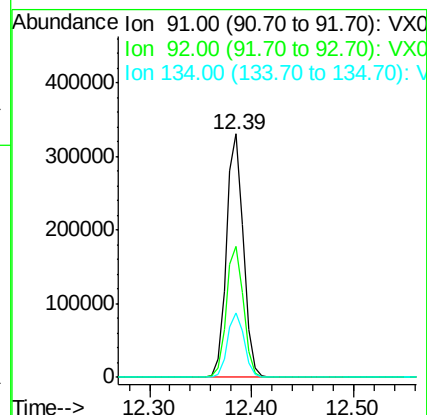
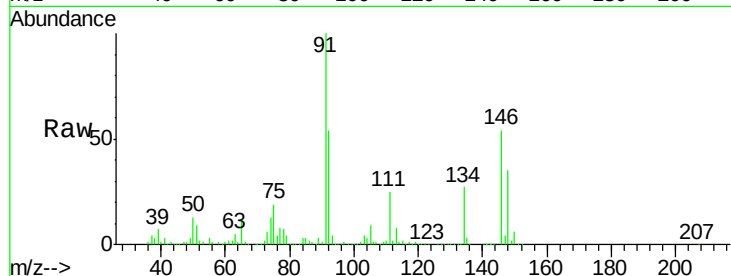
134 26.3 12.9 38.6

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#90

Hexachloroethane

Concen: 53.189 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX012491.D

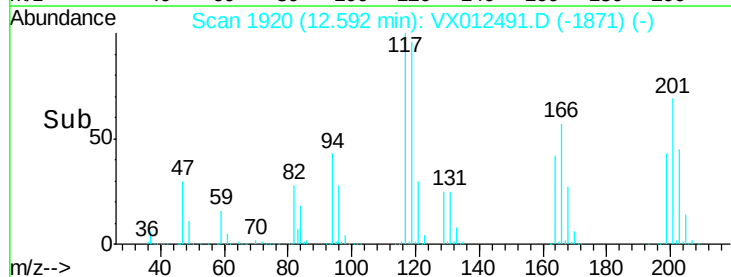
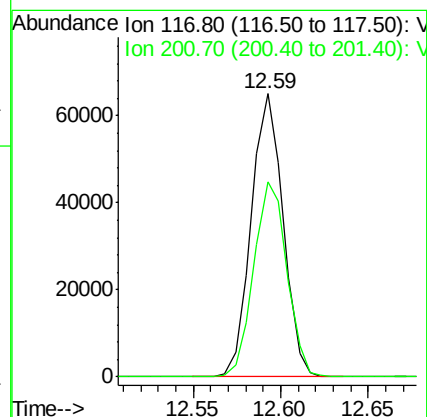
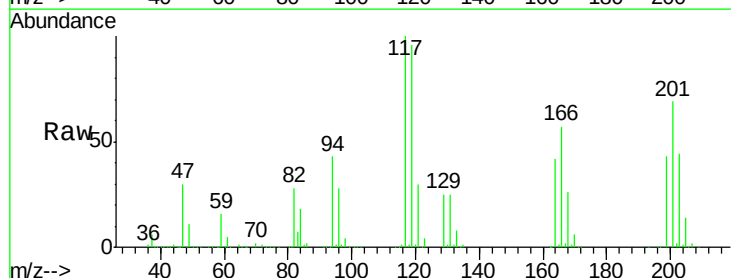
Acq: 18 Sep 2019 22:24

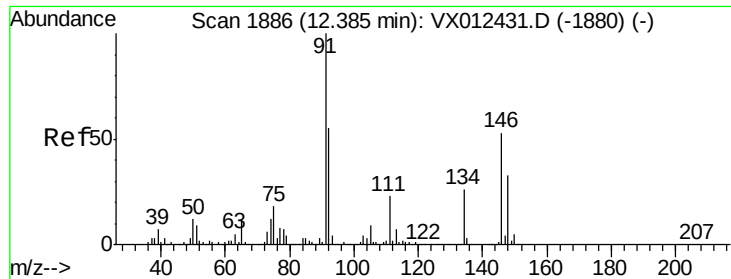
Tgt Ion: 117 Resp: 82282

Ion Ratio Lower Upper

117 100

201 71.9 33.3 99.8





#91

1,2-Dichlorobenzene

Concen: 52.732 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012491.D

Acq: 18 Sep 2019 22:24

Instrument :

MSVOA_X

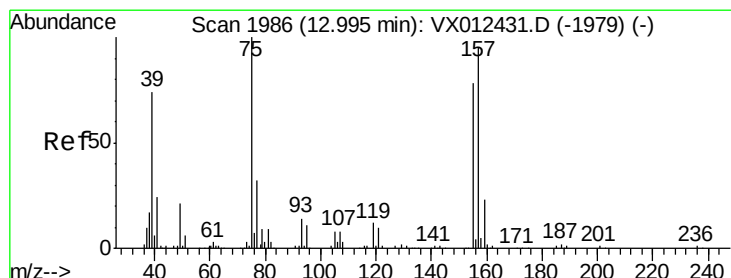
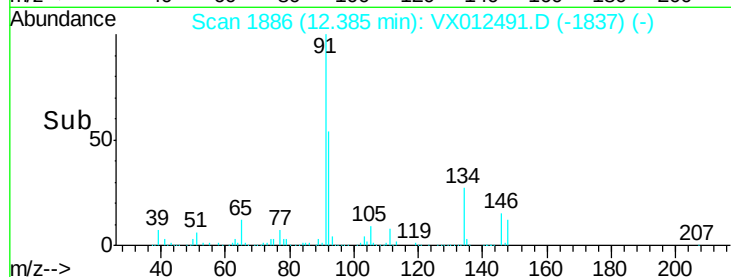
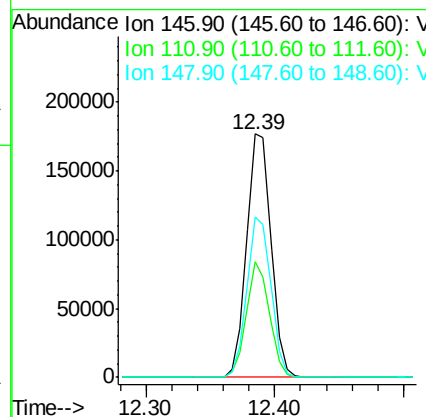
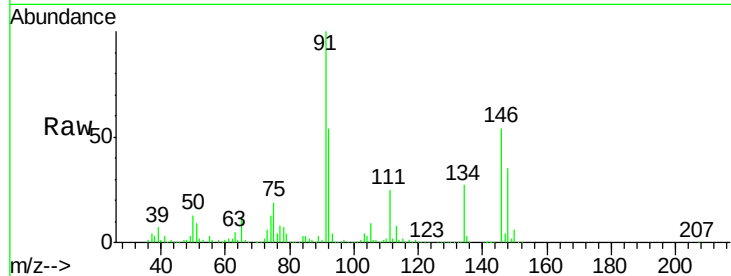
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	230699
Ion Ratio	Lower	Upper	
146	100		
111	44.9	22.1	66.1
148	65.0	31.3	93.9

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#92

1,2-Dibromo-3-Chloropropane

Concen: 53.354 ug/l

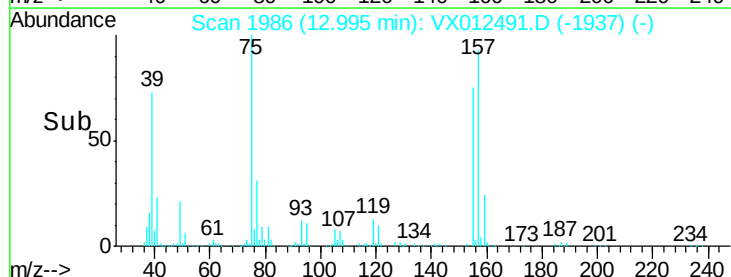
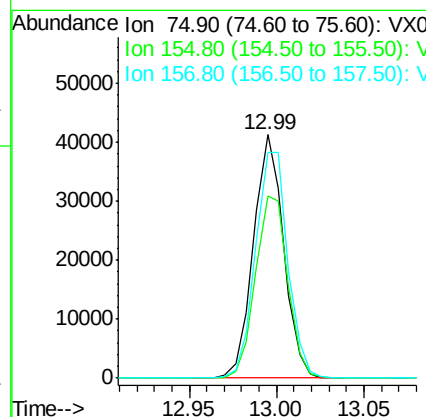
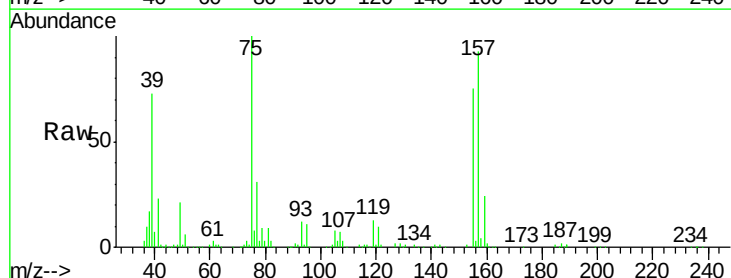
RT: 12.99 min Scan# 1986

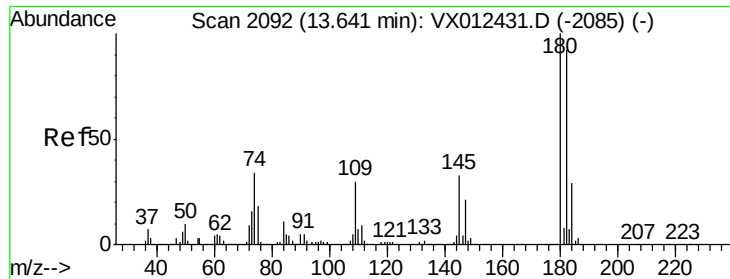
Delta R.T. 0.00 min

Lab File: VX012491.D

Acq: 18 Sep 2019 22:24

Tgt Ion:	75	Resp:	49508
Ion Ratio	Lower	Upper	
75	100		
155	79.8	38.6	115.8
157	99.8	50.6	151.9





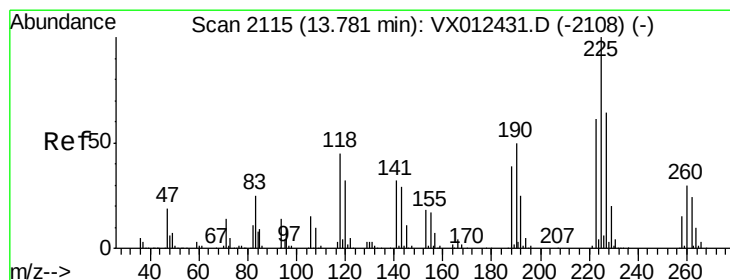
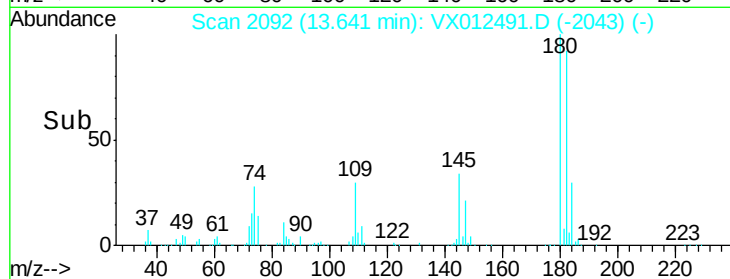
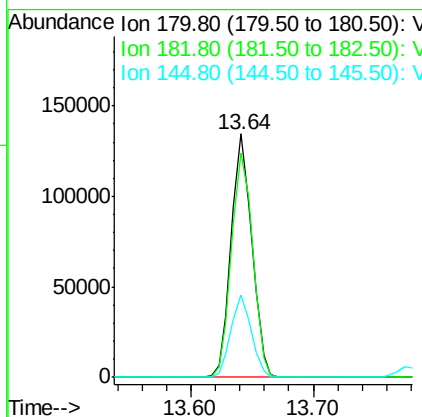
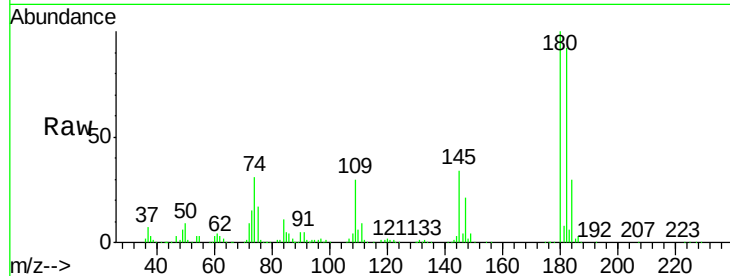
#93
 1,2,4-Trichlorobenzene
 Concen: 55.497 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012491.D
 Acq: 18 Sep 2019 22:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	156388		
182	95.0	47.0	141.0	
145	33.5	16.8	50.4	

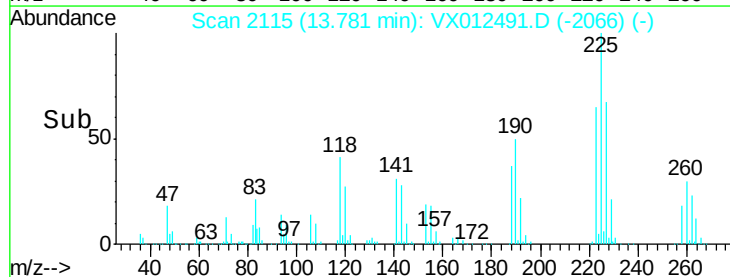
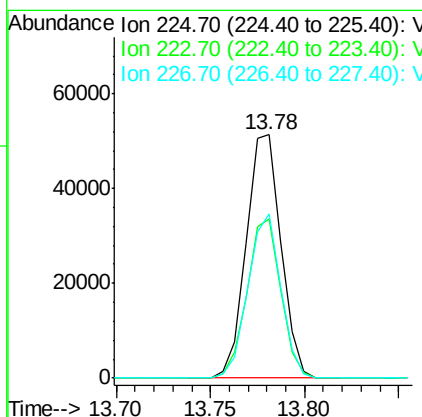
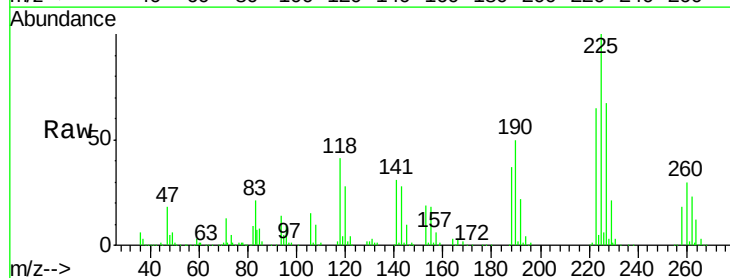
Manual Integrations
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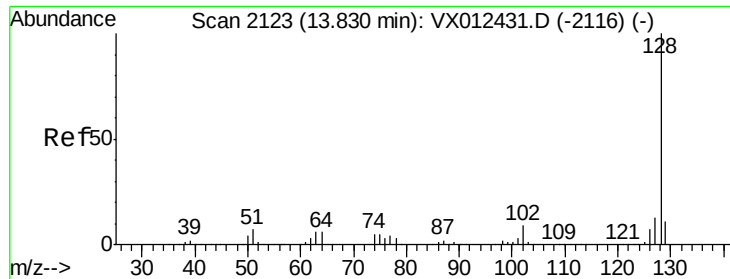
MMDadoda
 9/19/2019 1:06:12 PM



#94
 Hexachlorobutadiene
 Concen: 49.506 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VX012491.D
 Acq: 18 Sep 2019 22:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	65752		
223	63.3	32.0	96.2	
227	63.7	31.9	95.5	





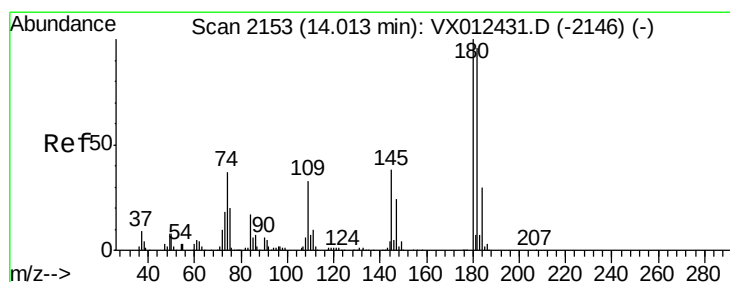
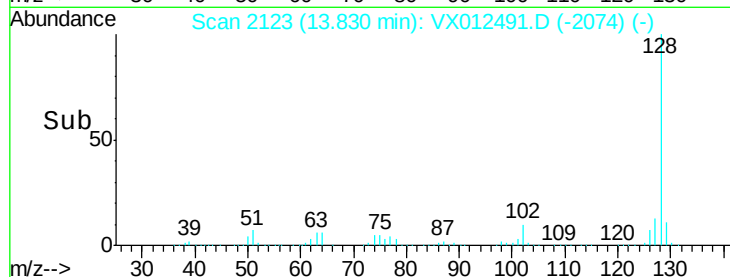
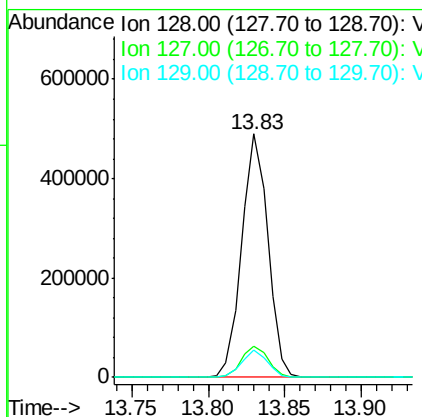
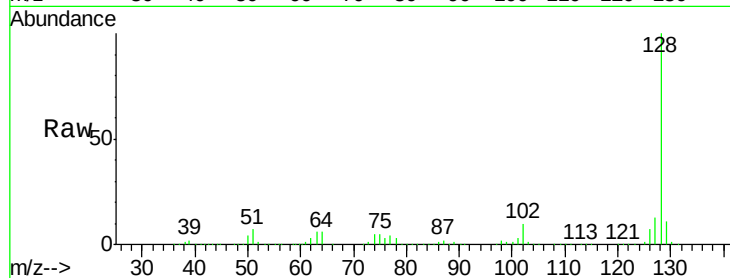
#95
Naphthalene
Concen: 58.080 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012491.D
Acq: 18 Sep 2019 22:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	582363		
127	13.1		10.2	15.4
129	10.9		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/19/2019 1:06:12 PM



#96
1,2,3-Trichlorobenzene
Concen: 56.434 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX012491.D
Acq: 18 Sep 2019 22:24

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	162055		
182	96.1		47.1	141.3
145	34.7		18.0	54.0

