

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120820\
 Data File : VD067904.D
 Acq On : 08 Dec 2020 09:48
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/9/2020 9:28:56 AM

Quant Time: Dec 09 04:30:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	212527	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	293411	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	266971	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	140104	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	113142	49.59	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.18%
35) Dibromofluoromethane	7.92	113	101260	51.58	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.16%
50) Toluene-d8	10.34	98	365590	51.73	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.46%
62) 4-Bromofluorobenzene	12.64	95	130633	53.46	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	106.92%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	94703	51.203	ug/l	94
3) Chloromethane	2.21	50	51010	47.788	ug/l	99
4) Vinyl Chloride	2.36	62	68914	51.263	ug/l	95
5) Bromomethane	2.77	94	66153	55.123	ug/l	97
6) Chloroethane	2.93	64	43824	50.069	ug/l	98
7) Trichlorofluoromethane	3.28	101	206808	50.273	ug/l	99
8) Diethyl Ether	3.71	74	35847	44.709	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	92947	49.550	ug/l	98
10) Methyl Iodide	4.30	142	94127	47.341	ug/l	99
11) Tert butyl alcohol	5.21	59	27516	229.961	ug/l #	82
12) 1,1-Dichloroethene	4.07	96	85479	48.537	ug/l	95
13) Acrolein	3.93	56	17066	194.645	ug/l	96
14) Allyl chloride	4.71	41	79418	48.747	ug/l	94
15) Acrylonitrile	5.42	53	67154	241.550	ug/l	99
16) Acetone	4.15	43	74077	262.748	ug/l	91
17) Carbon Disulfide	4.41	76	230126	46.802	ug/l	96
18) Methyl Acetate	4.72	43	24298	45.863	ug/l	93
19) Methyl tert-butyl Ether	5.47	73	189643	50.289	ug/l	99
20) Methylene Chloride	4.97	84	92252	50.560	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	99413	49.607	ug/l	97
22) Diisopropyl ether	6.36	45	161609	49.320	ug/l	96
23) Vinyl Acetate	6.31	43	471329	258.559	ug/l	97
24) 1,1-Dichloroethane	6.27	63	140873	49.044	ug/l	100
25) 2-Butanone	7.21	43	69250	233.529	ug/l	99
26) 2,2-Dichloropropane	7.21	77	176523	51.536	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	107234	48.922	ug/l	97
28) Bromochloromethane	7.55	49	44749	49.068	ug/l #	99
29) Tetrahydrofuran	7.56	42	38662	228.981	ug/l	96
30) Chloroform	7.71	83	187431	48.828	ug/l	98
31) Cyclohexane	7.98	56	106655	44.370	ug/l #	91
32) 1,1,1-Trichloroethane	7.90	97	203894	50.318	ug/l	99
36) 1,1-Dichloropropene	8.11	75	132755	52.265	ug/l	99
37) Ethyl Acetate	7.29	43	33119	48.379	ug/l #	82
38) Carbon Tetrachloride	8.10	117	204456	53.200	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120820\
 Data File : VD067904.D
 Acq On : 08 Dec 2020 09:48
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/9/2020 9:28:56 AM

Quant Time: Dec 09 04:30:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	151754	50.415	ug/l	98
40) Benzene	8.36	78	352231	50.679	ug/l	100
41) Methacrylonitrile	7.53	41	16089m	49.440	ug/l	
42) 1,2-Dichloroethane	8.43	62	129289	52.193	ug/l	99
43) Isopropyl Acetate	8.46	43	67408	50.044	ug/l	100
44) Trichloroethene	9.11	130	119417	49.974	ug/l	99
45) 1,2-Dichloropropane	9.39	63	70804	49.635	ug/l	94
46) Dibromomethane	9.48	93	49994	50.407	ug/l	98
47) Bromodichloromethane	9.67	83	146200	51.706	ug/l	98
48) Methyl methacrylate	9.46	41	33997	49.705	ug/l	98
49) 1,4-Dioxane	9.47	88	10644	939.207	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	157502	247.057	ug/l	99
52) Toluene	10.41	92	246459	50.719	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	127092	52.077	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	139319	52.482	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	63686	46.921	ug/l	98
56) Ethyl methacrylate	10.67	69	69205	50.113	ug/l	97
57) 1,3-Dichloropropane	10.96	76	106017	49.309	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	172449	274.426	ug/l	99
59) 2-Hexanone	10.99	43	119376	265.627	ug/l	98
60) Dibromochloromethane	11.14	129	105018	51.328	ug/l	98
61) 1,2-Dibromoethane	11.25	107	63966	47.923	ug/l	97
64) Tetrachloroethene	10.88	164	107716	49.465	ug/l	96
65) Chlorobenzene	11.67	112	280978	51.007	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	117263	52.192	ug/l	95
67) Ethyl Benzene	11.75	91	493345	52.573	ug/l	99
68) m/p-Xylenes	11.86	106	382302	103.320	ug/l	100
69) o-Xylene	12.18	106	176699	53.791	ug/l	98
70) Styrene	12.20	104	301064	52.707	ug/l	99
71) Bromoform	12.37	173	62251	52.342	ug/l #	97
73) Isopropylbenzene	12.48	105	495351	51.412	ug/l	99
74) N-amyl acetate	12.29	43	58138	48.782	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	59919	47.105	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	51015m	50.001	ug/l	
77) Bromobenzene	12.77	156	124030	51.780	ug/l	98
78) n-propylbenzene	12.83	91	544665	51.004	ug/l	99
79) 2-Chlorotoluene	12.91	91	321480	51.172	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	431867	51.771	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	19632	46.028	ug/l	91
82) 4-Chlorotoluene	13.01	91	331791	49.510	ug/l	100
83) tert-Butylbenzene	13.23	119	367482	51.768	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	426169	51.375	ug/l	99
85) sec-Butylbenzene	13.41	105	480703	50.736	ug/l	99
86) p-Isopropyltoluene	13.52	119	471024	50.726	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	224141	48.509	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	227635	49.244	ug/l	99
89) n-Butylbenzene	13.85	91	389108	50.438	ug/l	98
90) Hexachloroethane	14.12	117	84868	49.504	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	196057	48.924	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12488	47.040	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120820\
 Data File : VD067904.D
 Acq On : 08 Dec 2020 09:48
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

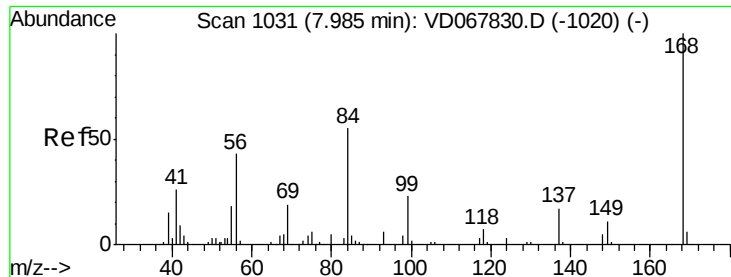
Manual Integrations
 APPROVED

MMDadoda
 12/9/2020 9:28:56 AM

Quant Time: Dec 09 04:30:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	141004	50.302	ug/l	99
94) Hexachlorobutadiene	15.27	225	93862	51.314	ug/l	98
95) Naphthalene	15.41	128	227393	49.852	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	121687	50.268	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067904.D

Acq: 08 Dec 2020 09:48

Tot Ion: 168 Resp: 212527

Ion Ratio Lower Upper

168 100

99 60.1 47.1 70.7

Instrument :

MSVOA_D

ClientSampleId :

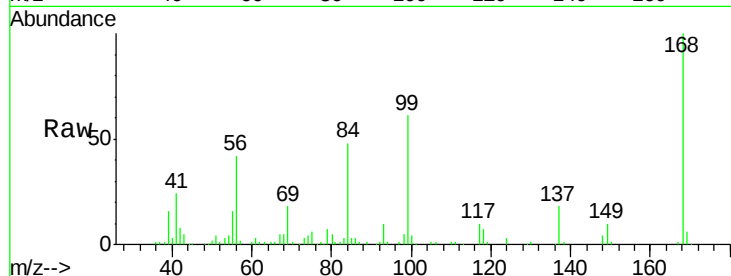
VSTDCCC050

Manual Integrations

APPROVED

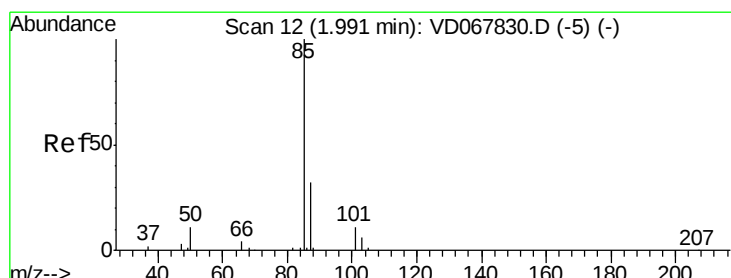
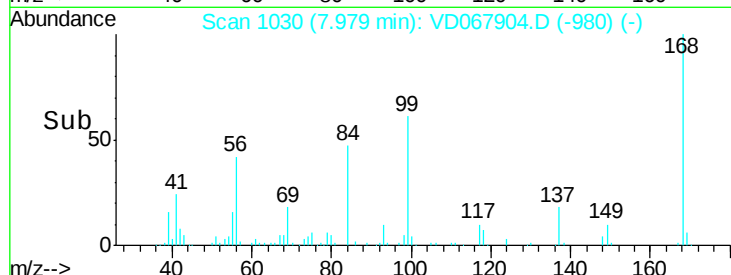
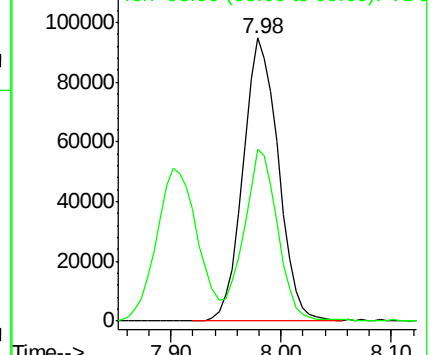
MMDadoda

12/9/2020 9:28:56 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 51.203 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD067904.D

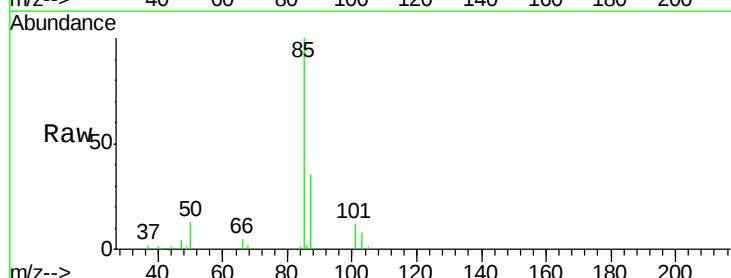
Acq: 08 Dec 2020 09:48

Tgt Ion: 85 Resp: 94703

Ion Ratio Lower Upper

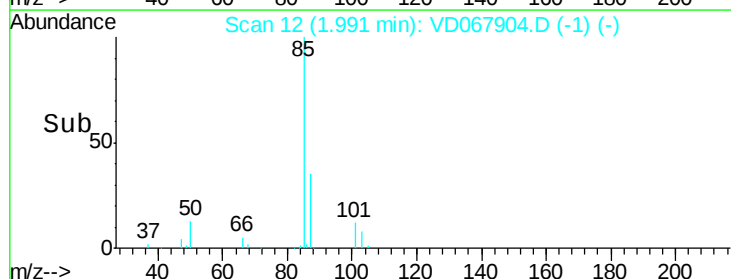
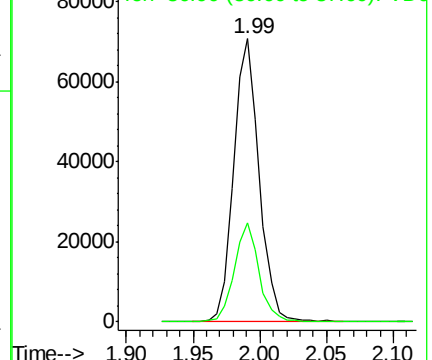
85 100

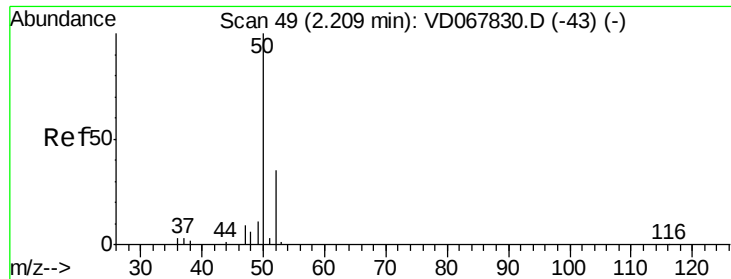
87 34.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 47.788 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067904.D

Acq: 08 Dec 2020 09:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 51010

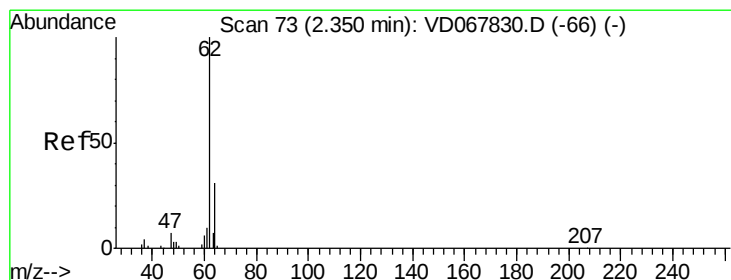
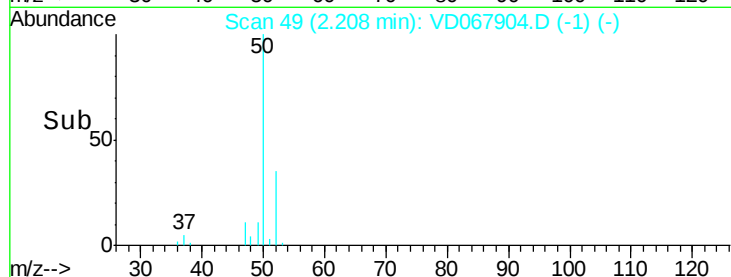
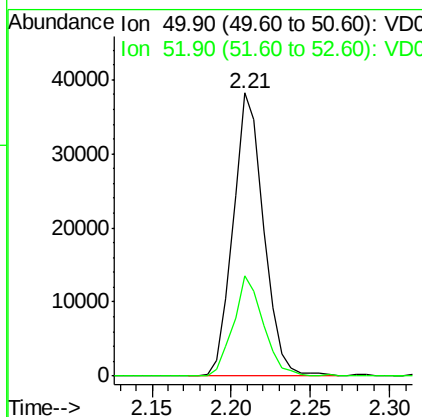
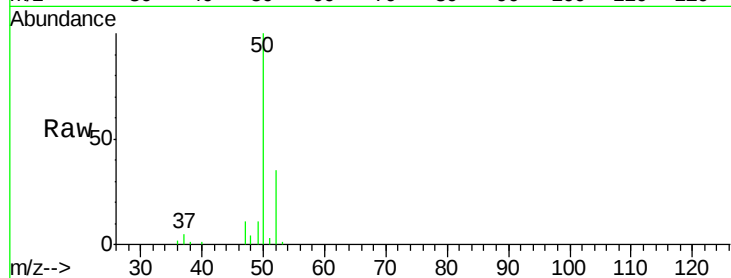
Ion Ratio Lower Upper

50 100

52 35.4 27.8 41.6

Manual Integrations
APPROVED

MMDadoda
12/9/2020 9:28:56 AM



#4

Vinyl Chloride

Concen: 51.263 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD067904.D

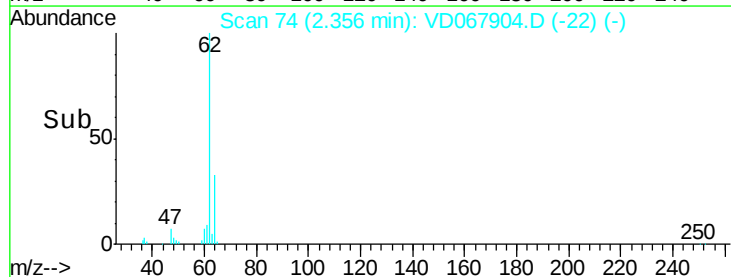
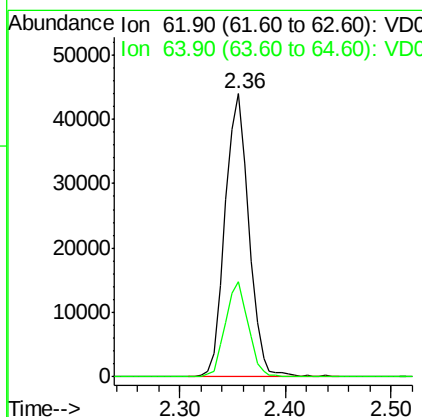
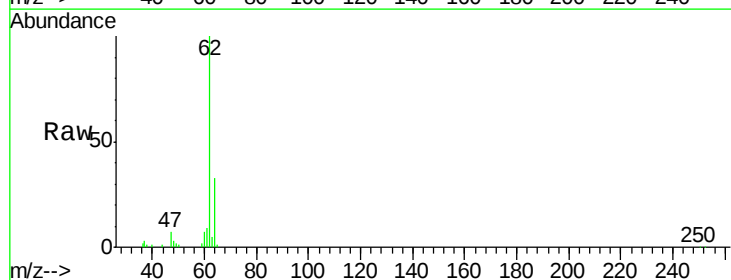
Acq: 08 Dec 2020 09:48

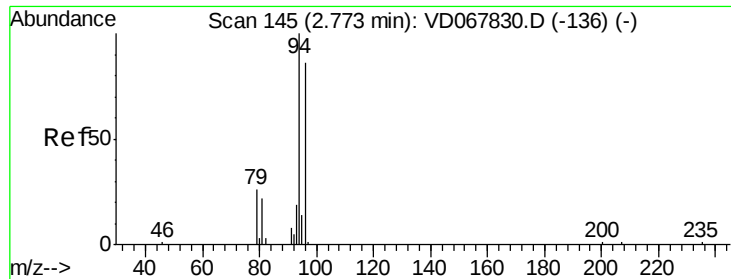
Tgt Ion: 62 Resp: 68914

Ion Ratio Lower Upper

62 100

64 33.4 24.5 36.7





#5

Bromomethane

Concen: 55.123 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067904.D

Acq: 08 Dec 2020 09:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 66153

Ion Ratio Lower Upper

94 100

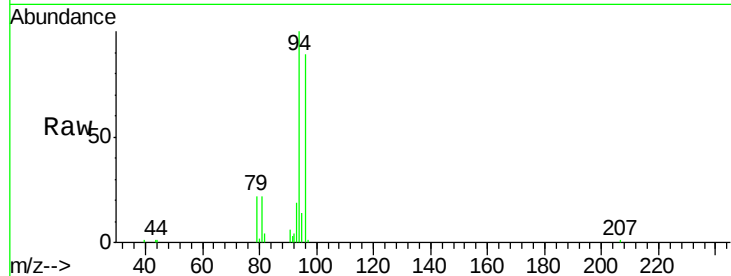
96 88.9 68.7 103.1

Manual Integrations

APPROVED

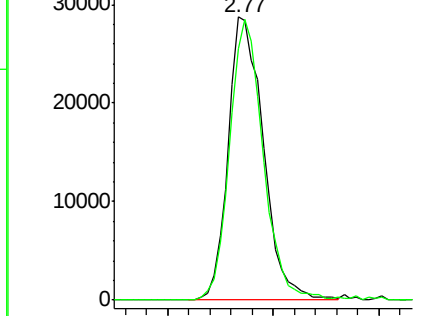
MMDadoda

12/9/2020 9:28:56 AM

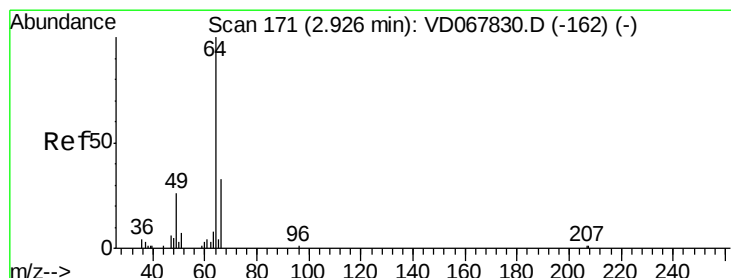
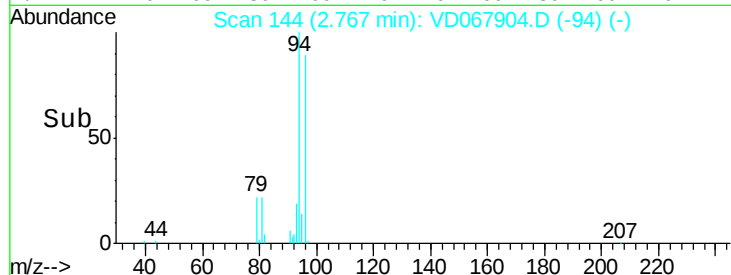


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#6

Chloroethane

Concen: 50.069 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD067904.D

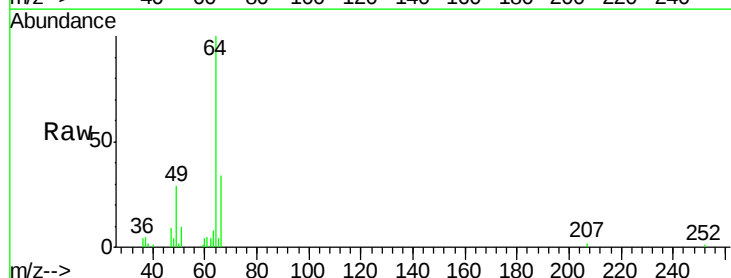
Acq: 08 Dec 2020 09:48

Tgt Ion: 64 Resp: 43824

Ion Ratio Lower Upper

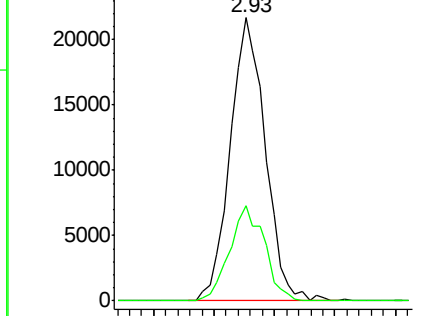
64 100

66 33.5 26.1 39.1

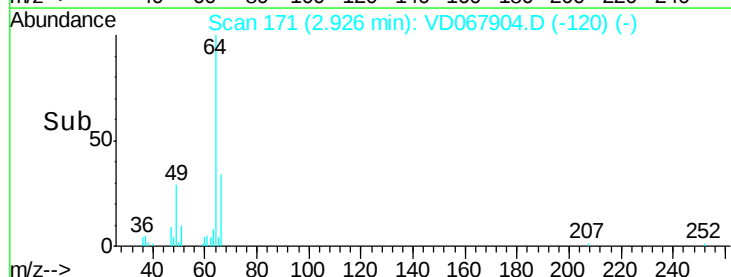


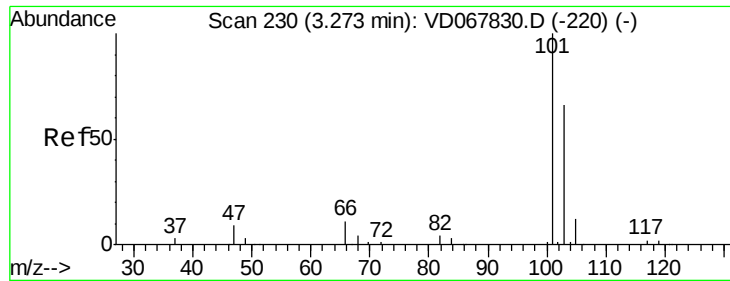
Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



Time-->





#7

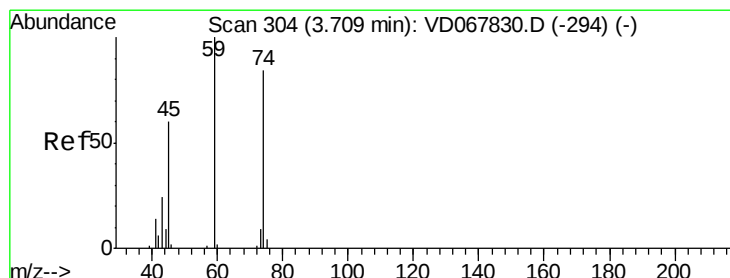
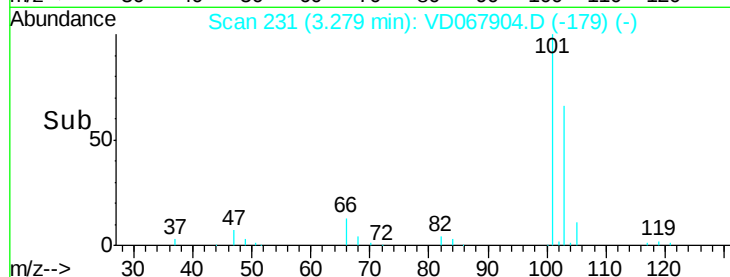
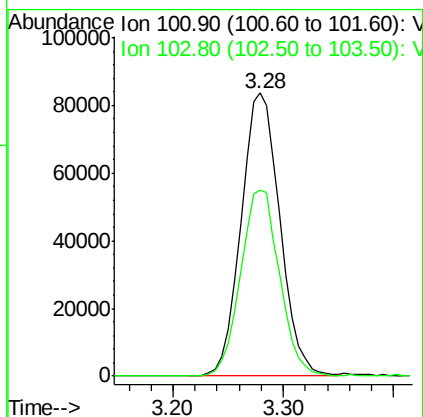
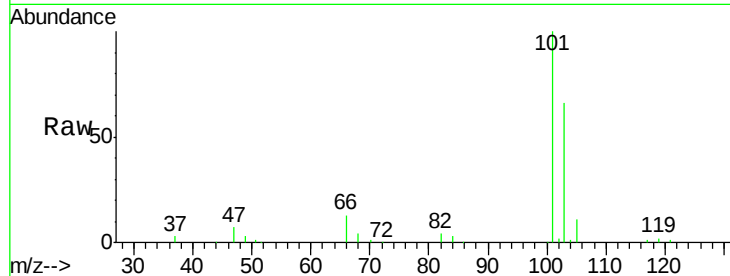
Trichlorofluoromethane
Concen: 50.273 ug/l
RT: 3.28 min Scan# 231
Delta R.T. 0.01 min
Lab File: VD067904.D
Acq: 08 Dec 2020 09:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 206808
Ion Ratio Lower Upper
101 100
103 65.8 53.0 79.6

Manual Integrations
APPROVED

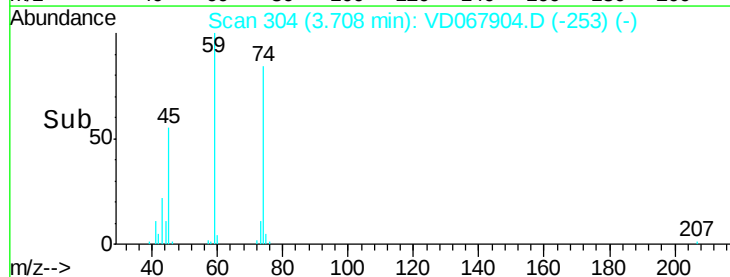
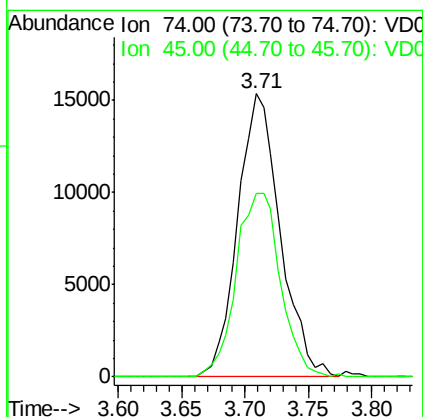
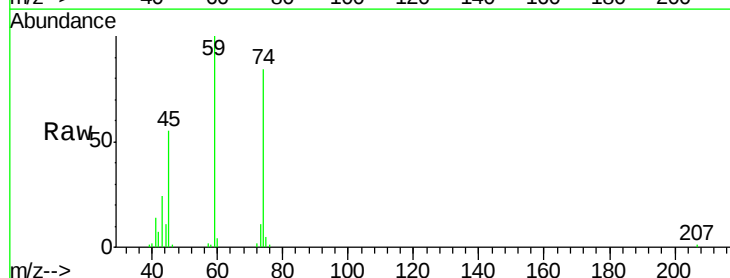
MMDadoda
12/9/2020 9:28:56 AM

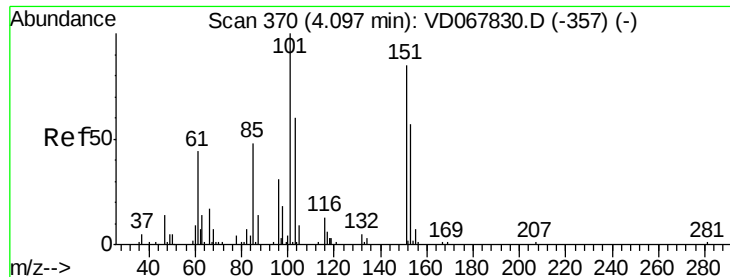


#8

Diethyl Ether
Concen: 44.709 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD067904.D
Acq: 08 Dec 2020 09:48

Tgt Ion: 74 Resp: 35847
Ion Ratio Lower Upper
74 100
45 67.4 33.9 101.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.550 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD067904.D

Acq: 08 Dec 2020 09:48

Instrument :

MSVOA_D

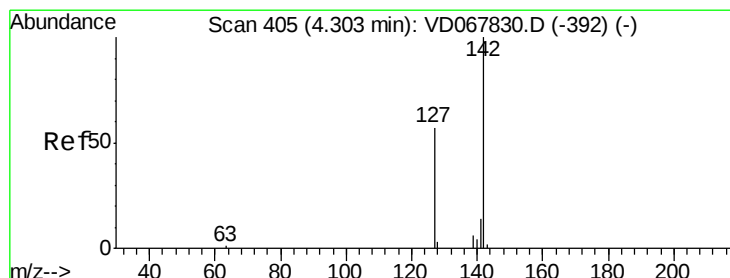
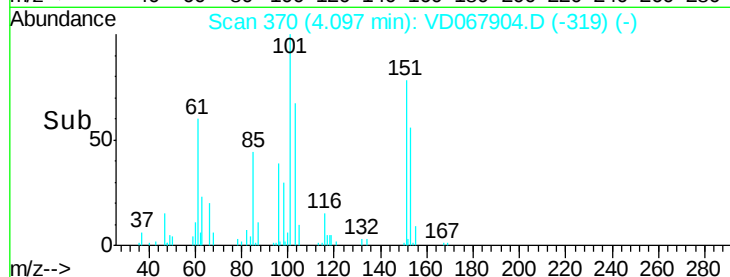
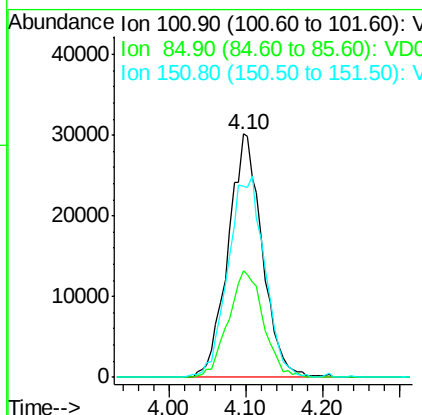
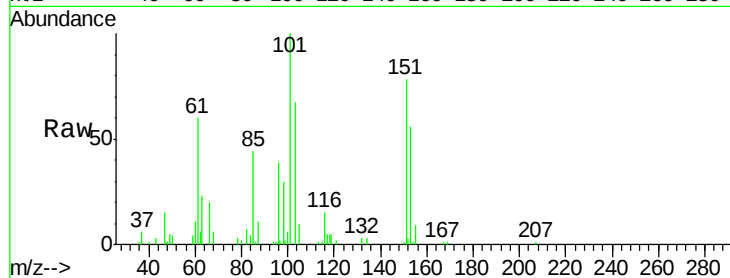
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	92947
Ion Ratio	Lower	Upper	
101	100		
85	45.1	36.2	54.4
151	89.0	69.4	104.2

Manual Integrations
APPROVED

MMDadoda
12/9/2020 9:28:56 AM



#10

Methyl Iodide

Concen: 47.341 ug/l

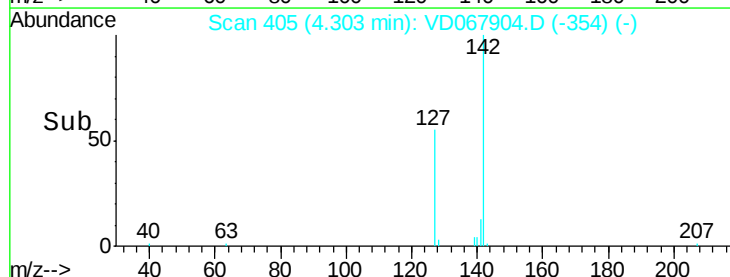
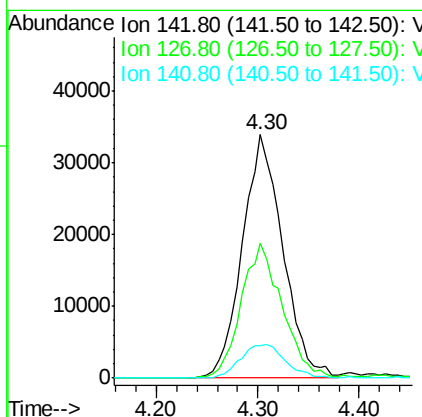
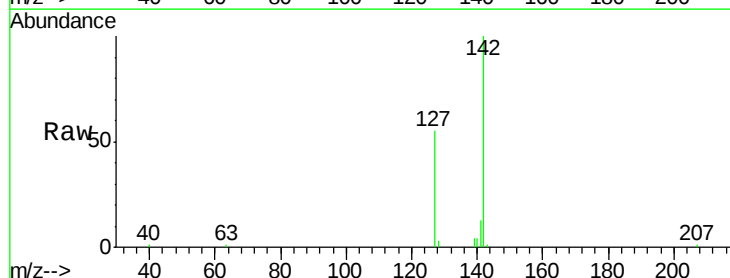
RT: 4.30 min Scan# 405

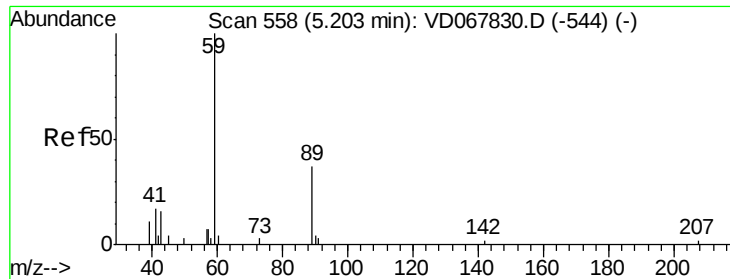
Delta R.T. -0.00 min

Lab File: VD067904.D

Acq: 08 Dec 2020 09:48

Tgt Ion:	142	Resp:	94127
Ion Ratio	Lower	Upper	
142	100		
127	56.0	43.9	65.9
141	15.4	12.2	18.2





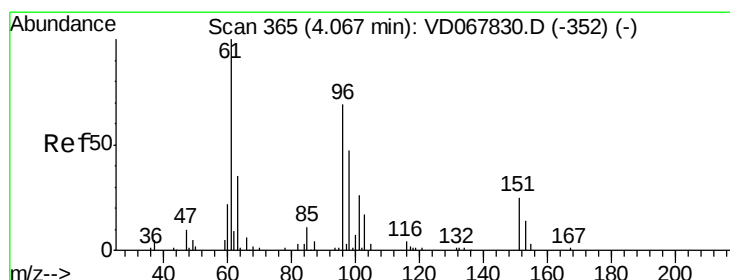
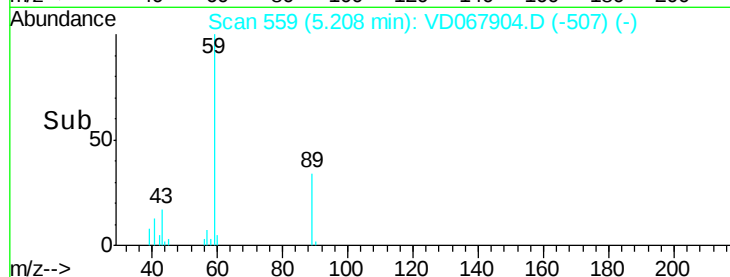
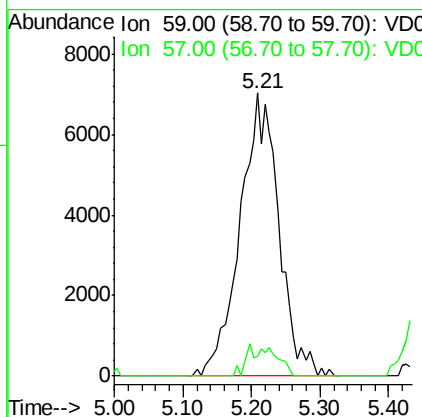
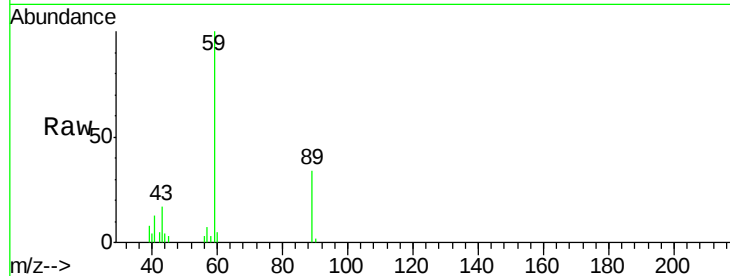
#11
Tert butyl alcohol
Concen: 229.961 ug/l
RT: 5.21 min Scan# 559
Delta R.T. 0.01 min
Lab File: VD067904.D
Acq: 08 Dec 2020 09:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 27516
Ion Ratio Lower Upper
59 100
57 3.1 7.7 11.5#

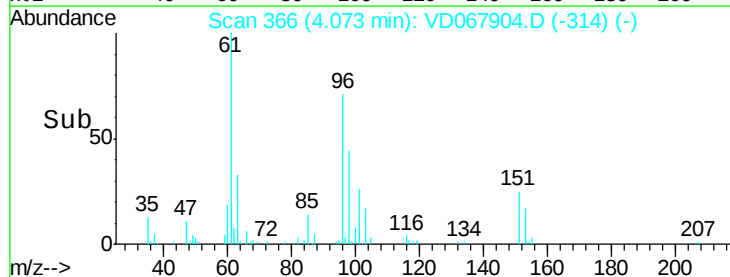
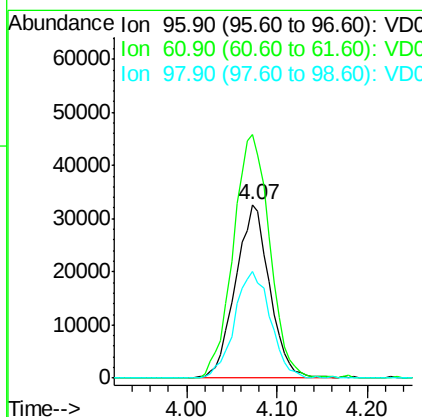
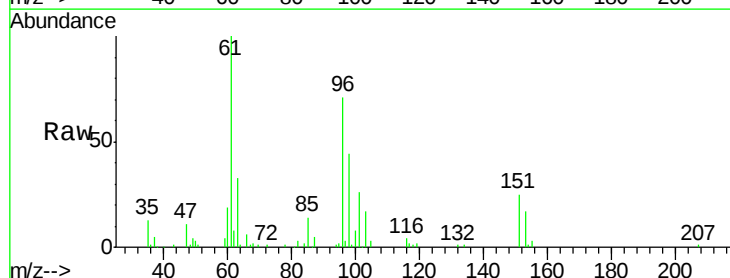
Manual Integrations
APPROVED

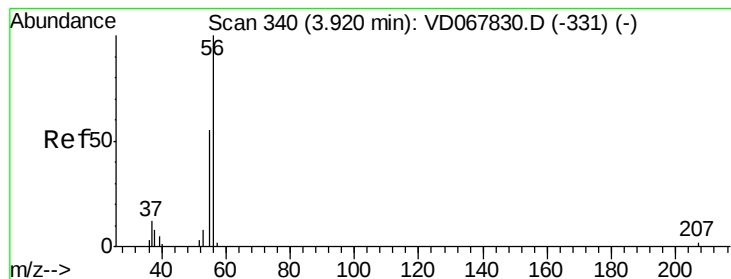
MMDadoda
12/9/2020 9:28:56 AM



#12
1,1-Dichloroethene
Concen: 48.537 ug/l
RT: 4.07 min Scan# 366
Delta R.T. 0.01 min
Lab File: VD067904.D
Acq: 08 Dec 2020 09:48

Tgt Ion: 96 Resp: 85479
Ion Ratio Lower Upper
96 100
61 140.2 116.1 174.1
98 61.4 54.6 82.0





#13

Acrolein

Concen: 194.645 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD067904.D

Acq: 08 Dec 2020 09:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 17066

Ion Ratio Lower Upper

56 100

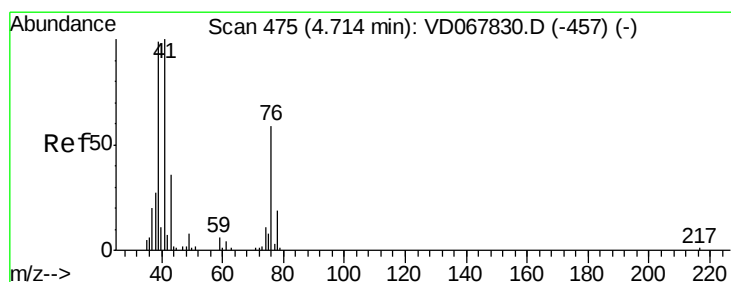
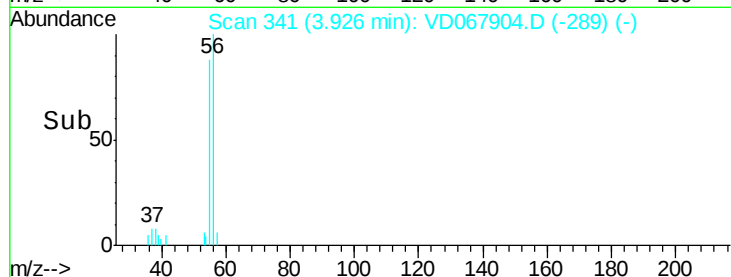
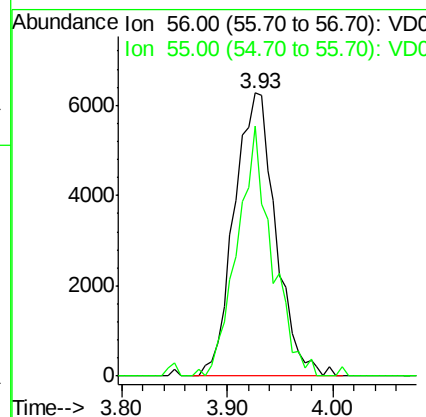
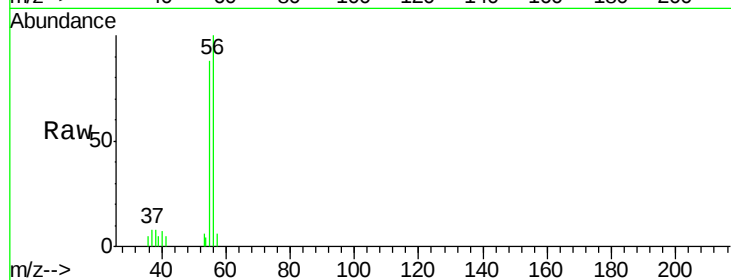
55 73.7 56.5 84.7

Manual Integrations

APPROVED

MMDadoda

12/9/2020 9:28:56 AM



#14

Allyl chloride

Concen: 48.747 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD067904.D

Acq: 08 Dec 2020 09:48

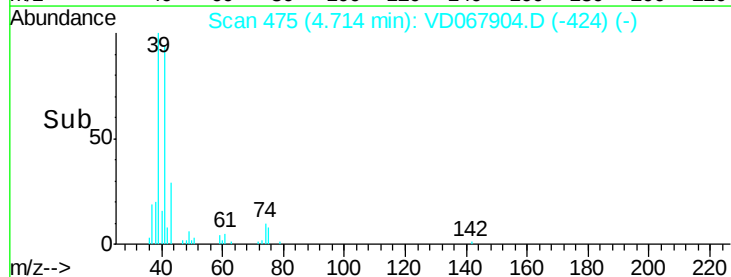
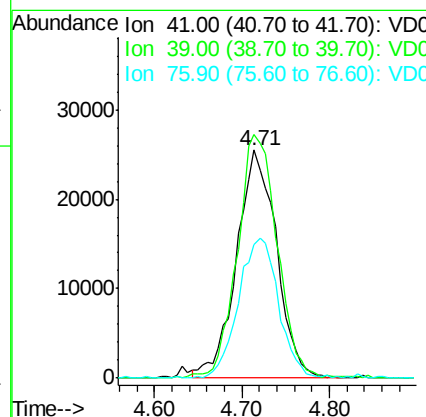
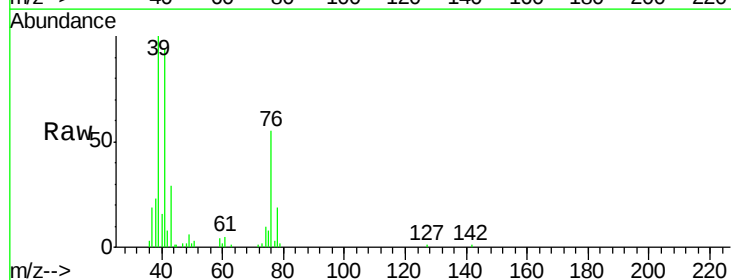
Tgt Ion: 41 Resp: 79418

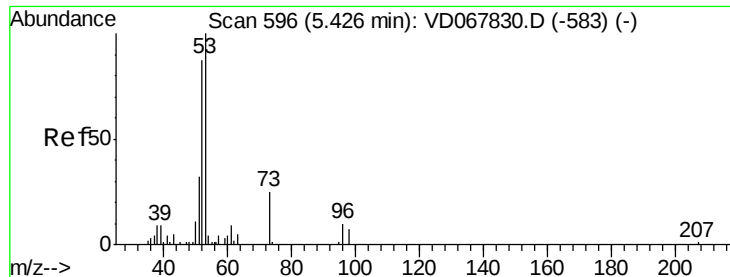
Ion Ratio Lower Upper

41 100

39 105.9 79.0 118.6

76 61.5 46.6 70.0





#15

Acrylonitrile

Concen: 241.550 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD067904.D

Acq: 08 Dec 2020 09:48

Instrument :

MSVOA_D

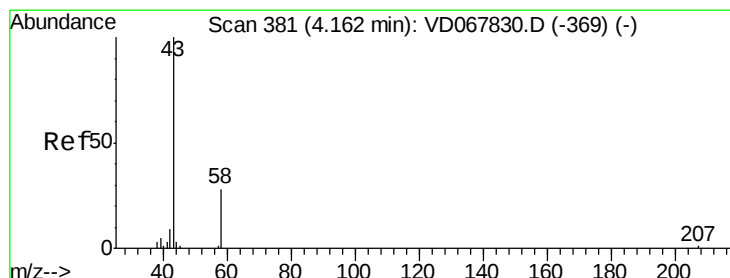
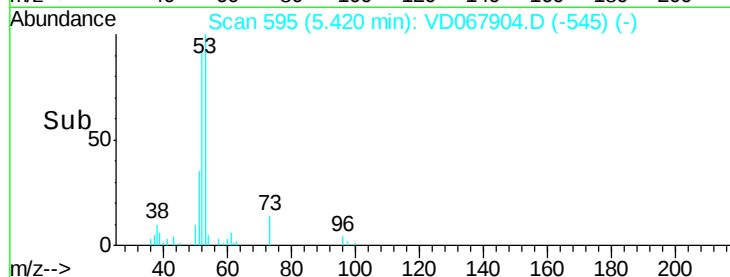
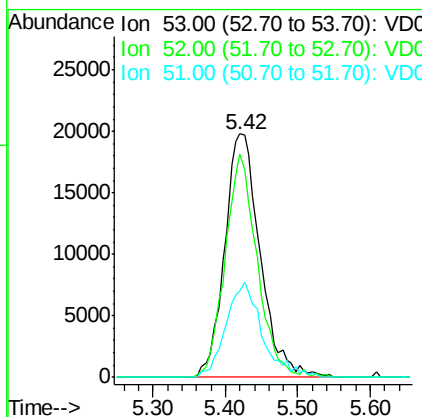
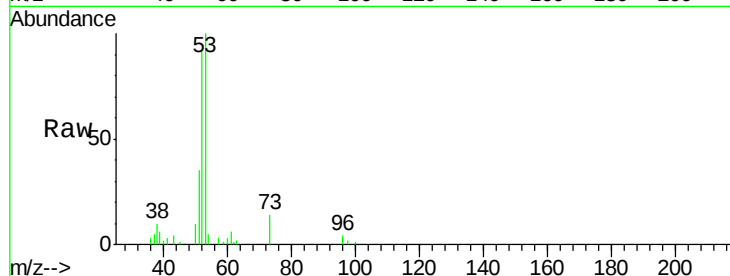
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	67154
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.2	99.2
51	39.8	31.1	46.7

Manual Integrations
APPROVED

MMDadoda
12/9/2020 9:28:56 AM



#16

Acetone

Concen: 262.748 ug/l

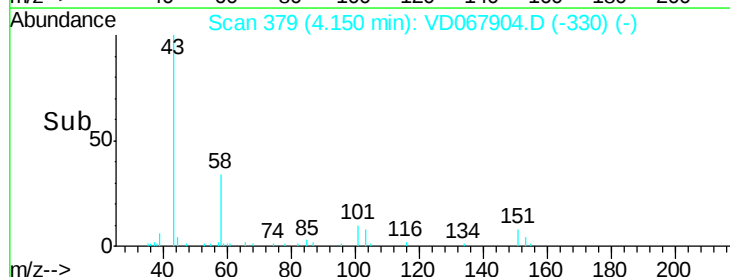
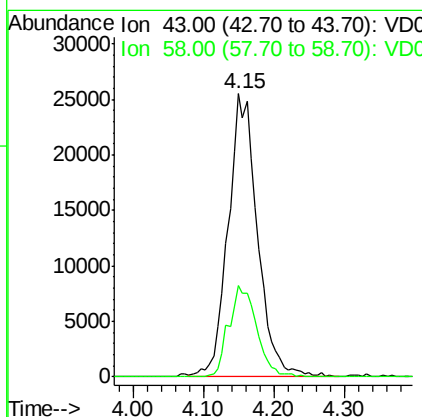
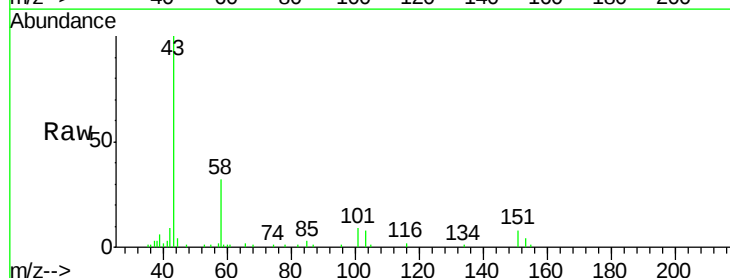
RT: 4.15 min Scan# 379

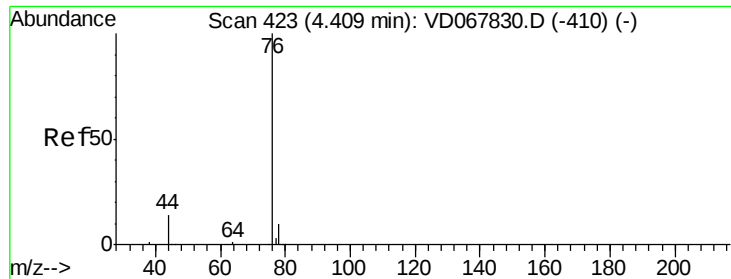
Delta R.T. -0.01 min

Lab File: VD067904.D

Acq: 08 Dec 2020 09:48

Tgt Ion:	43	Resp:	74077
Ion	Ratio	Lower	Upper
43	100		
58	32.1	21.9	32.9





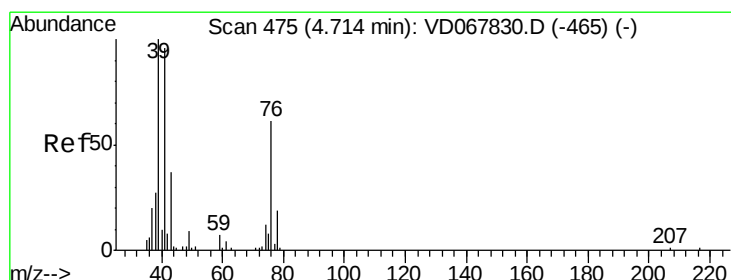
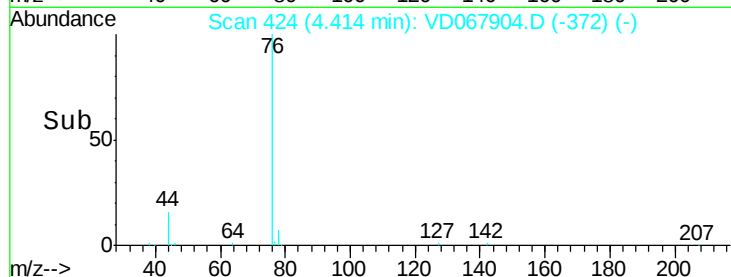
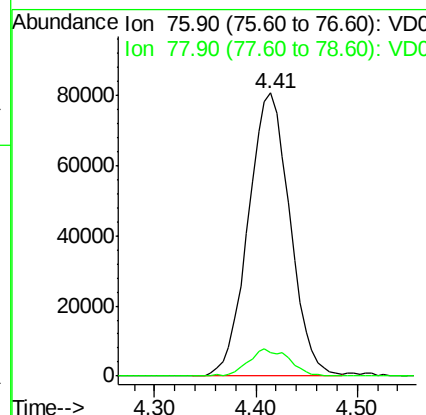
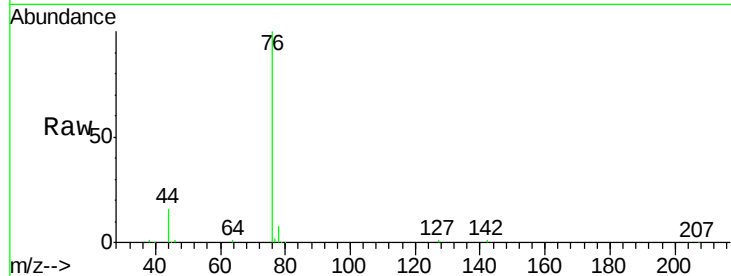
#17
Carbon Disulfide
Concen: 46.802 ug/l
RT: 4.41 min Scan# 424
Delta R.T. 0.01 min
Lab File: VD067904.D
Acq: 08 Dec 2020 09:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.8	11.6

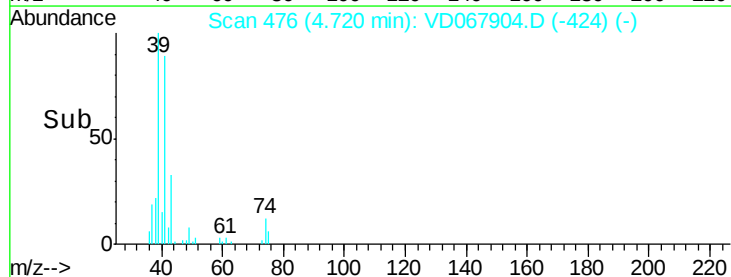
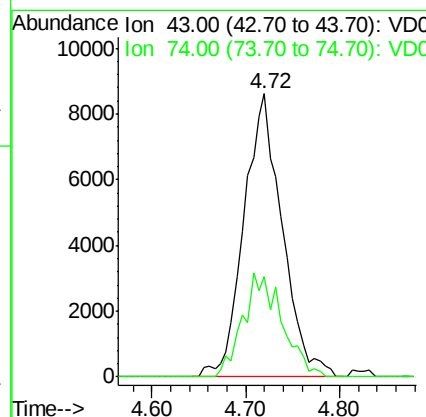
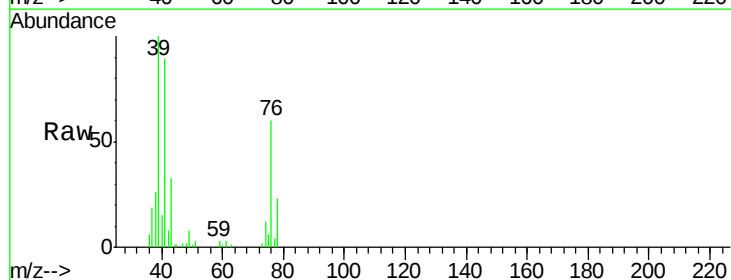
Manual Integrations
APPROVED

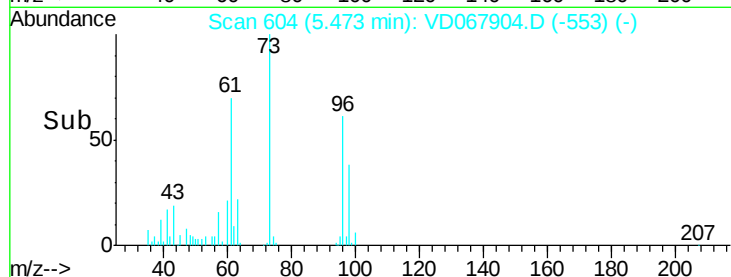
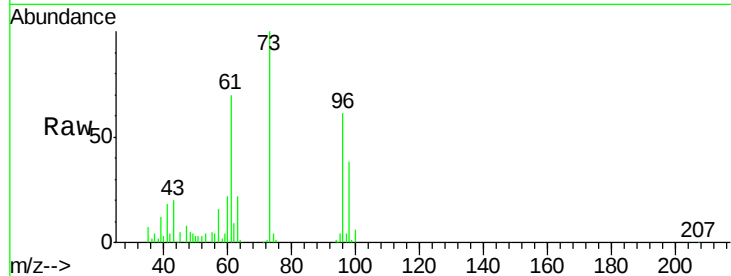
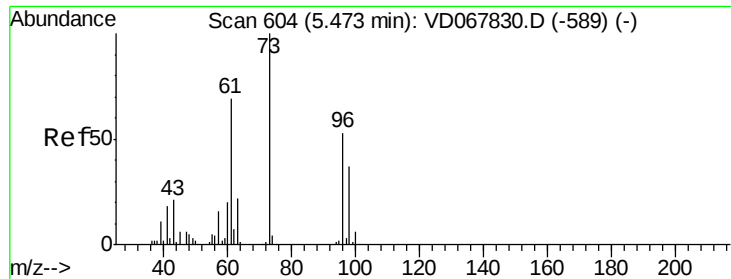
MMDadoda
12/9/2020 9:28:56 AM



#18
Methyl Acetate
Concen: 45.863 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD067904.D
Acq: 08 Dec 2020 09:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	37.6	27.0	40.4





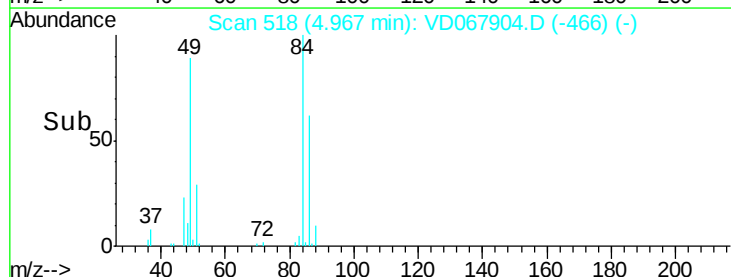
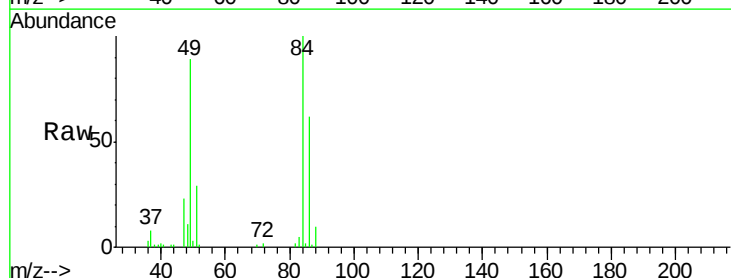
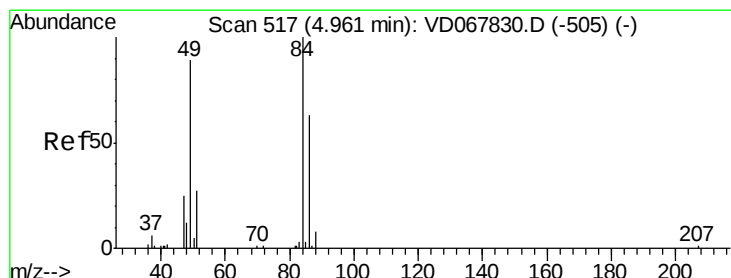
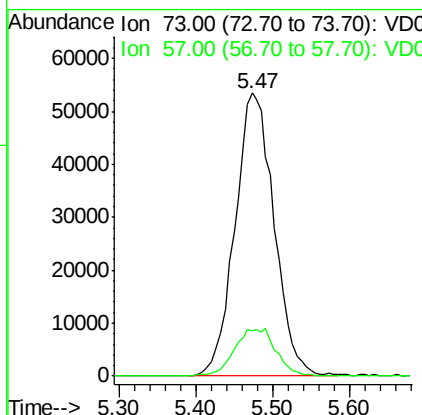
#19
Methyl tert-butyl Ether
Concen: 50.289 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.00 min
Lab File: VD067904.D
Acq: 08 Dec 2020 09:48

Tot Ion: 73 Resp: 189643
Ion Ratio Lower Upper
73 100
57 15.9 13.2 19.8

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

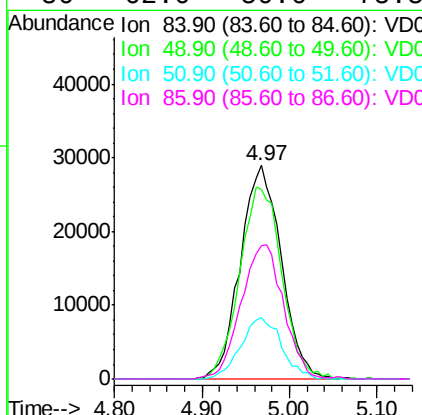
Manual Integrations
APPROVED

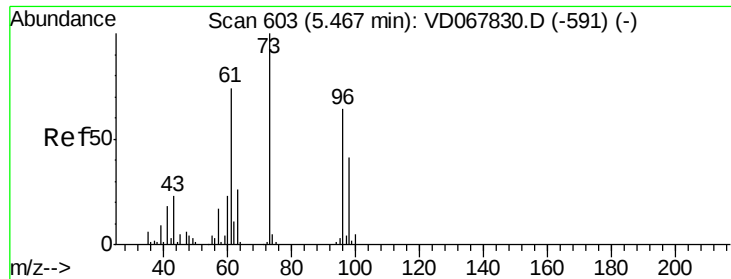
MMDadoda
12/9/2020 9:28:56 AM



#20
Methylene Chloride
Concen: 50.560 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067904.D
Acq: 08 Dec 2020 09:48

Tgt Ion: 84 Resp: 92252
Ion Ratio Lower Upper
84 100
49 89.0 71.4 107.0
51 28.6 21.8 32.8
86 62.0 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 49.607 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD067904.D

Acq: 08 Dec 2020 09:48

Instrument :

MSVOA_D

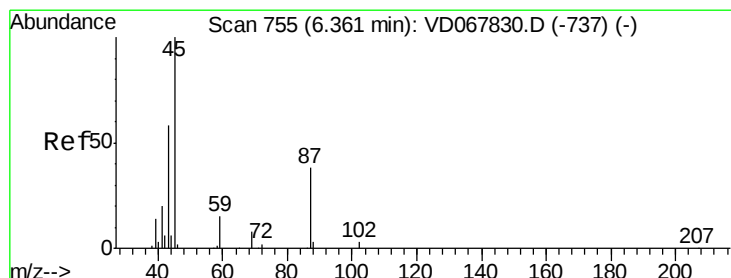
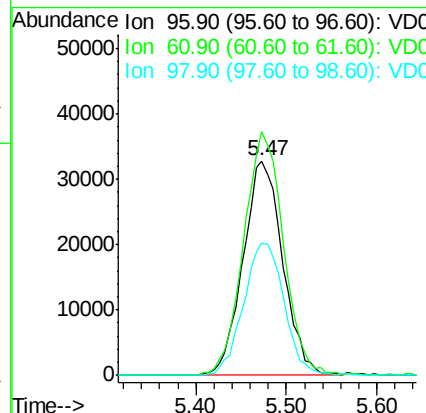
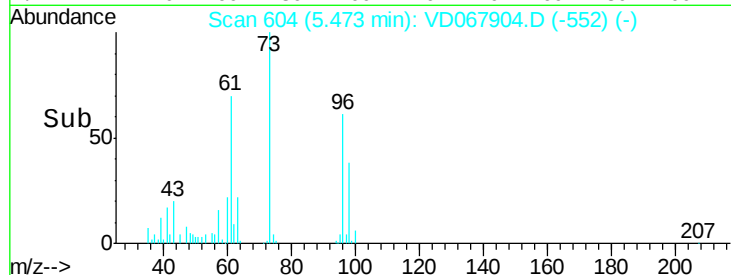
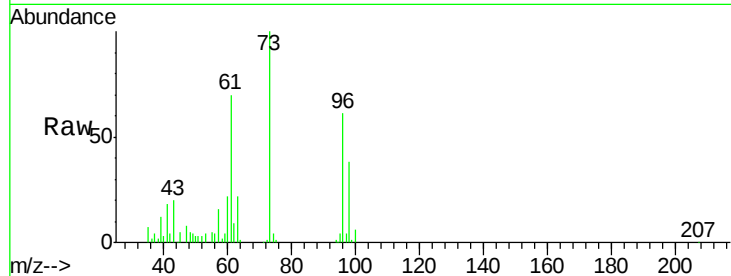
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	99413
Ion	Ratio	Lower	Upper
96	100		
61	113.5	93.1	139.7
98	61.8	52.2	78.2

Manual Integrations
APPROVED

MMDadoda
12/9/2020 9:28:56 AM



#22

Diisopropyl ether

Concen: 49.320 ug/l

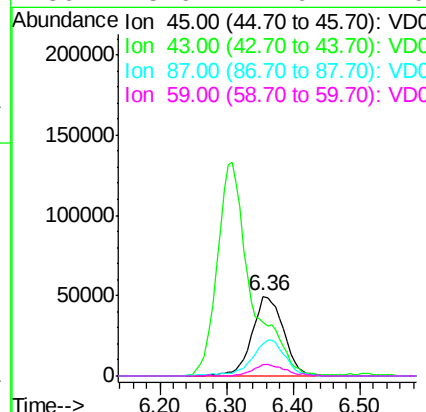
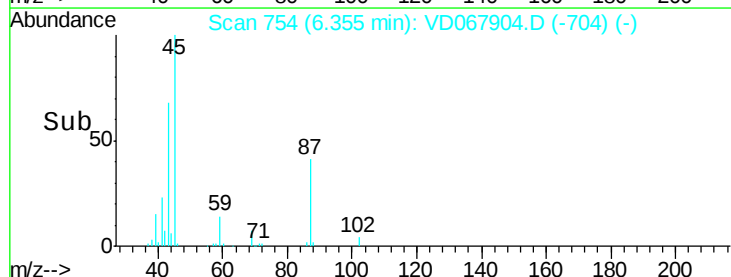
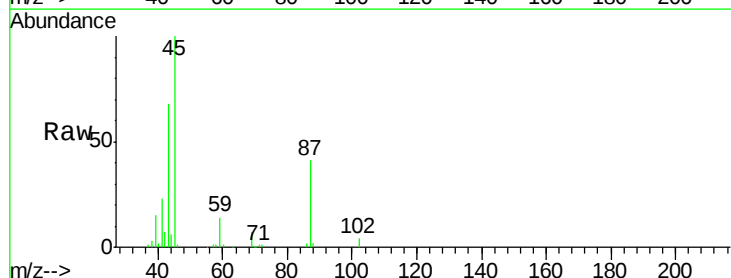
RT: 6.36 min Scan# 754

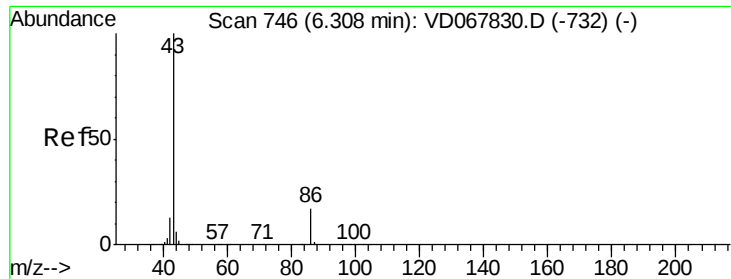
Delta R.T. -0.01 min

Lab File: VD067904.D

Acq: 08 Dec 2020 09:48

Tgt Ion:	45	Resp:	161609
Ion	Ratio	Lower	Upper
45	100		
43	66.8	49.8	74.6
87	40.5	32.1	48.1
59	13.9	11.9	17.9





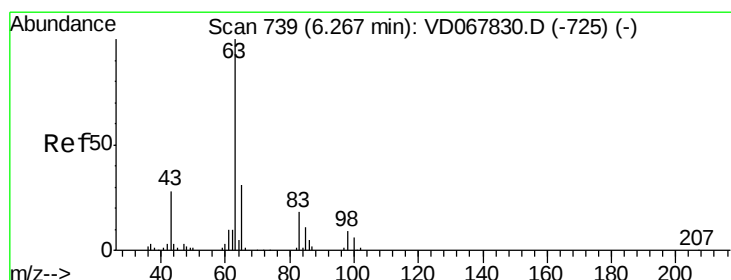
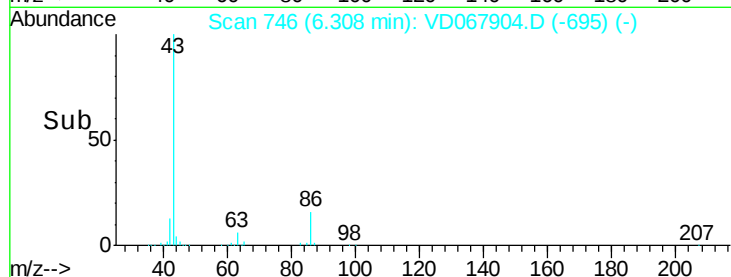
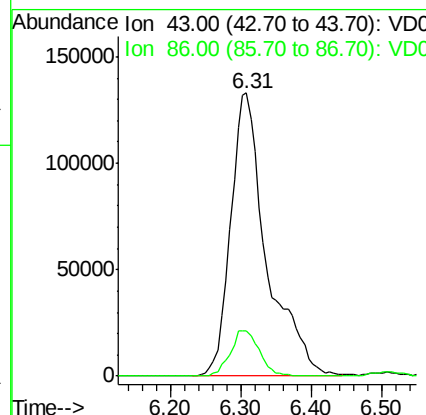
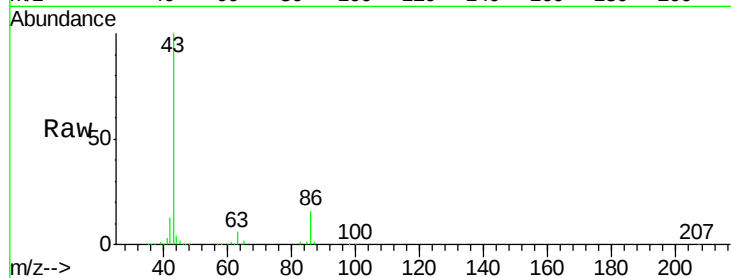
#23
 Vinyl Acetate
 Concen: 258.559 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. -0.00 min
 Lab File: VD067904.D
 Acq: 08 Dec 2020 09:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 471329
 Ion Ratio Lower Upper
 43 100
 86 16.0 13.8 20.6

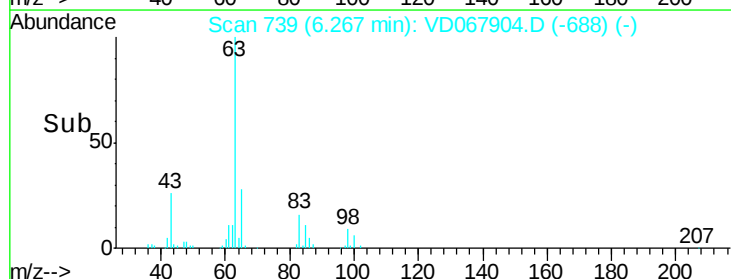
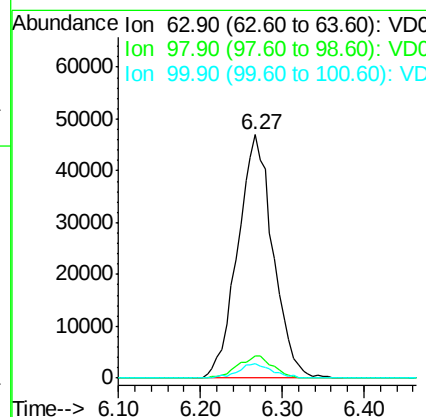
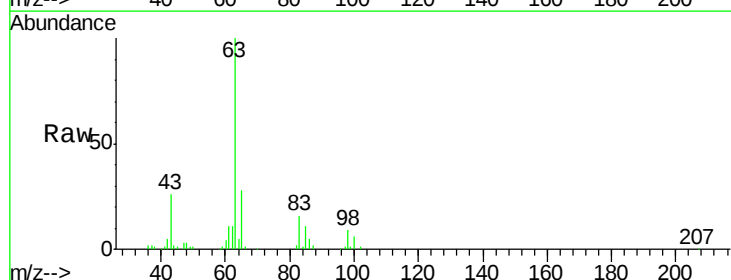
Manual Integrations
 APPROVED

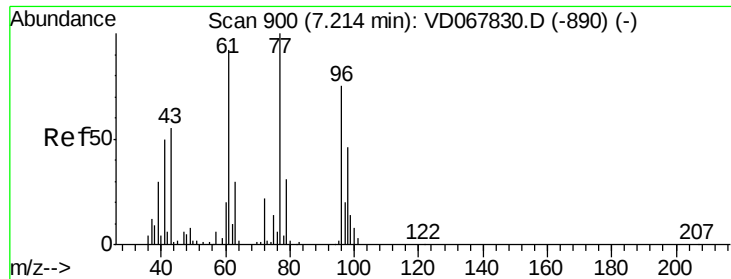
MMDadoda
 12/9/2020 9:28:56 AM



#24
 1,1-Dichloroethane
 Concen: 49.044 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. -0.00 min
 Lab File: VD067904.D
 Acq: 08 Dec 2020 09:48

Tgt Ion: 63 Resp: 140873
 Ion Ratio Lower Upper
 63 100
 98 8.9 4.5 13.5
 100 6.2 3.0 9.2





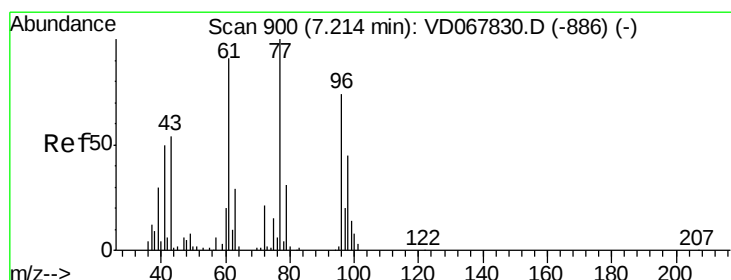
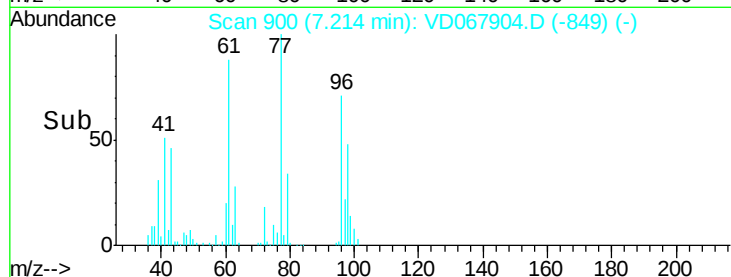
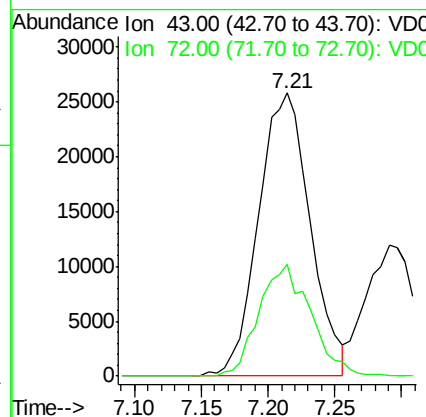
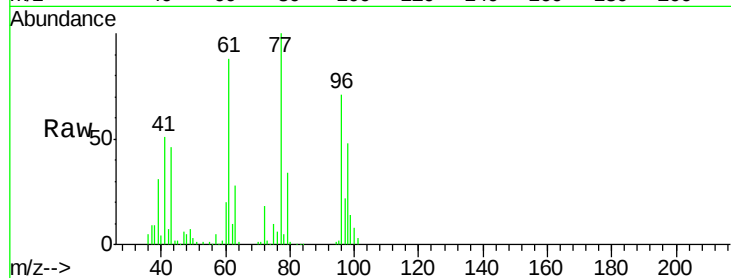
#25
2-Butanone
Concen: 233.529 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD067904.D
Acq: 08 Dec 2020 09:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 69250
Ion Ratio Lower Upper
43 100
72 39.4 31.3 46.9

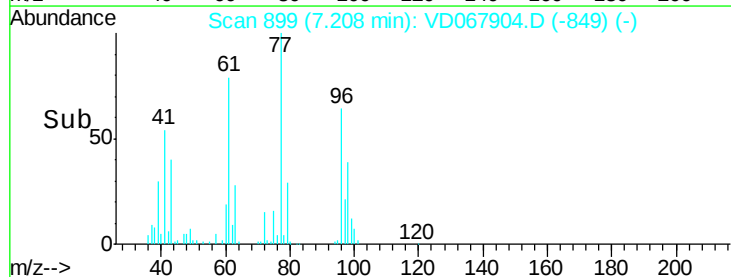
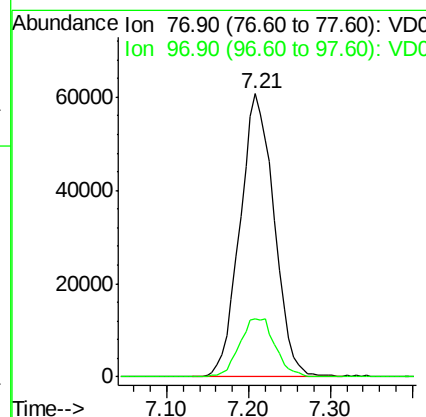
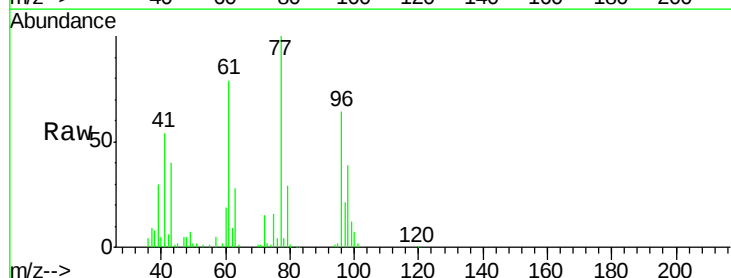
Manual Integrations
APPROVED

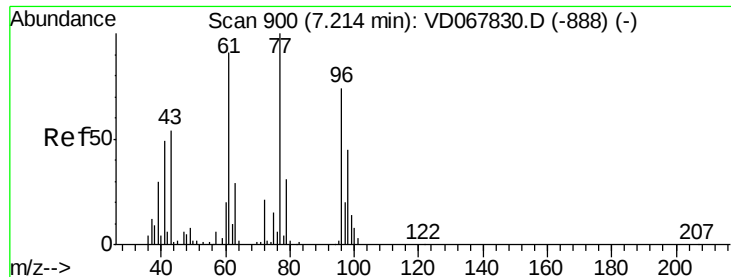
MMDadoda
12/9/2020 9:28:56 AM



#26
2,2-Dichloropropane
Concen: 51.536 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067904.D
Acq: 08 Dec 2020 09:48

Tgt Ion: 77 Resp: 176523
Ion Ratio Lower Upper
77 100
97 21.4 11.1 33.1





#27

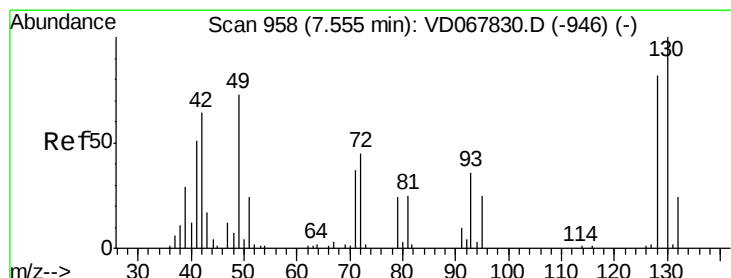
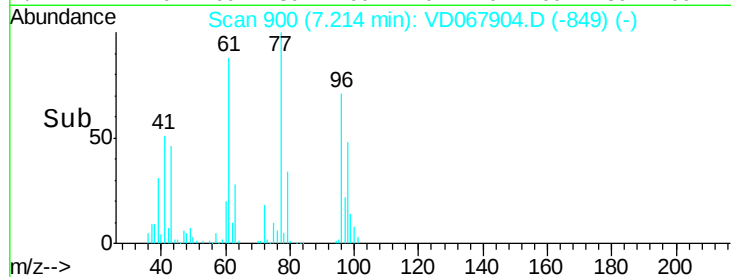
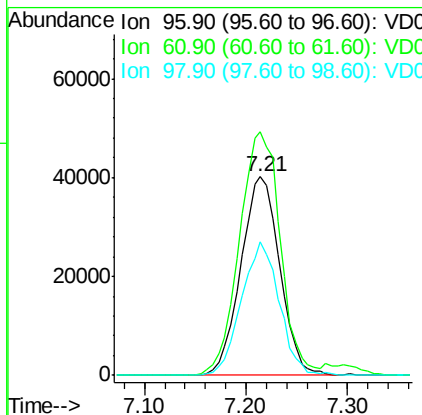
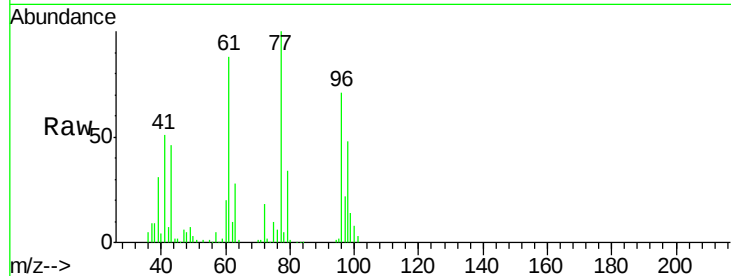
cis-1,2-Dichloroethene
Concen: 48.922 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD067904.D
Acq: 08 Dec 2020 09:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	128.9	0.0	248.4		
98	65.4	0.0	127.4		

Manual Integrations
APPROVED

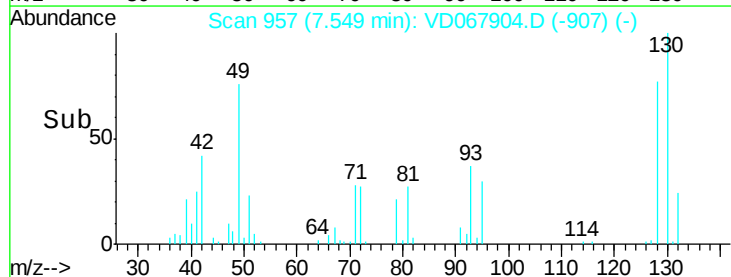
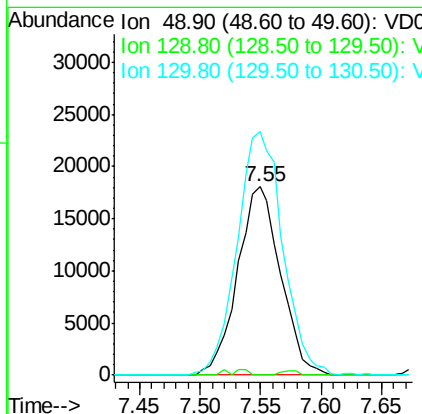
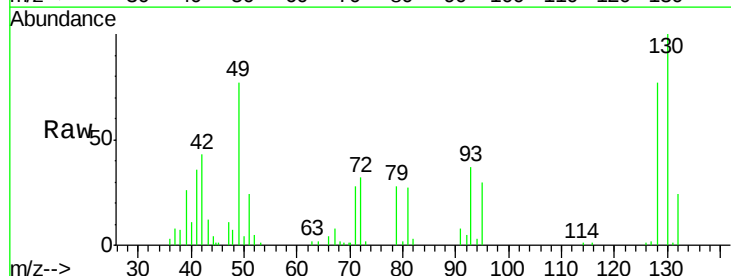
MMDadoda
12/9/2020 9:28:56 AM

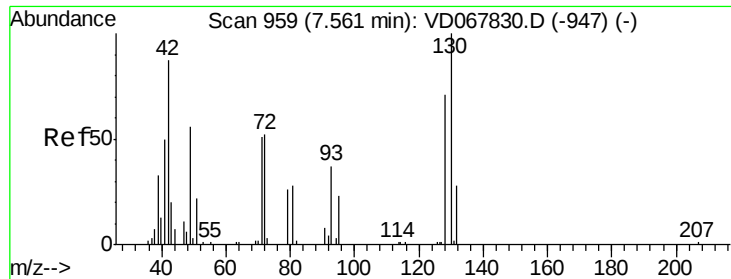


#28

Bromochloromethane
Concen: 49.068 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.01 min
Lab File: VD067904.D
Acq: 08 Dec 2020 09:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100				
129	0.0	0.0	3.4		
130	137.0	110.2	165.2		





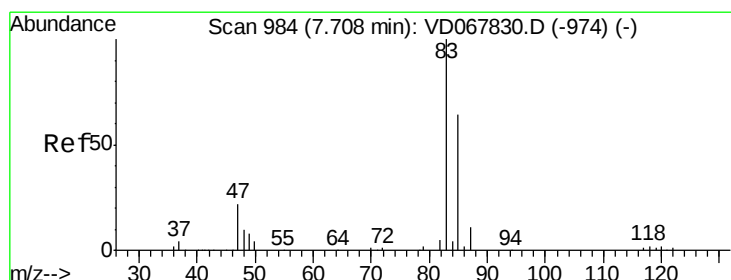
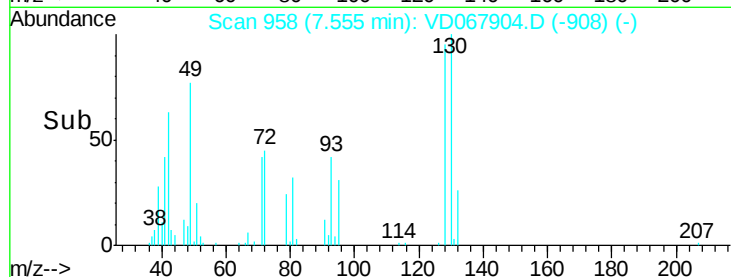
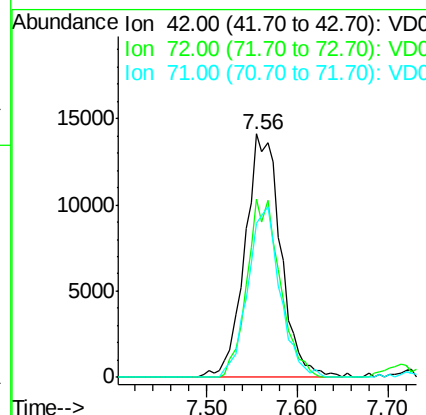
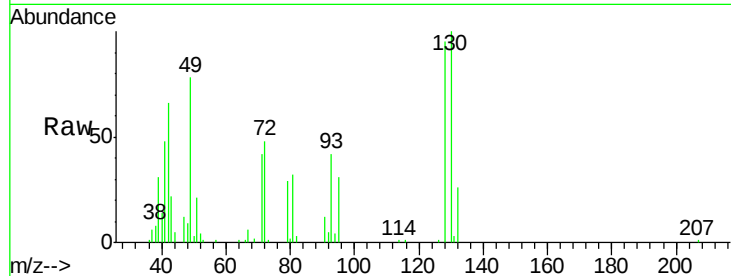
#29
Tetrahydrofuran
Concen: 228.981 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD067904.D
Acq: 08 Dec 2020 09:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	67.8	51.9	77.9
71	63.0	48.2	72.4

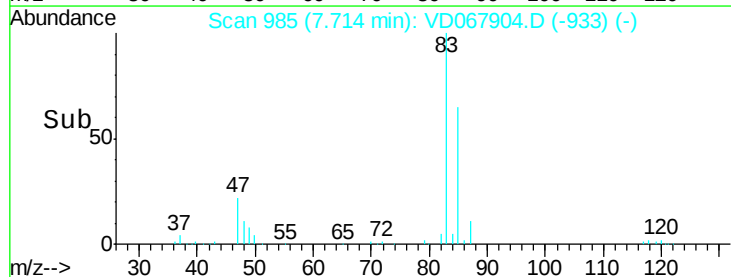
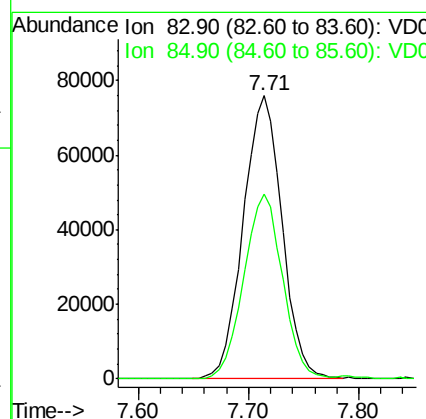
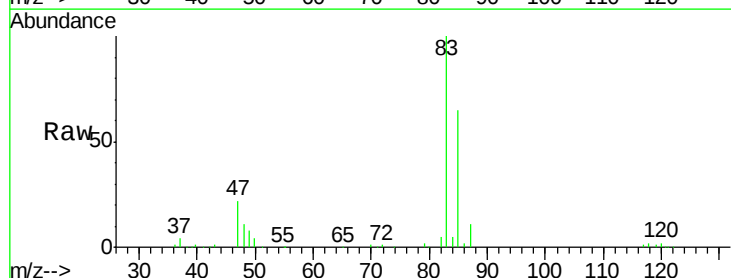
Manual Integrations
APPROVED

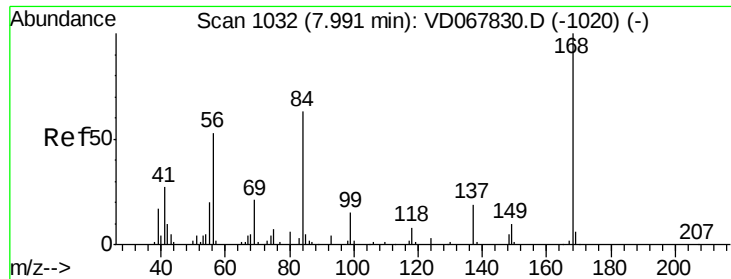
MMDadoda
12/9/2020 9:28:56 AM



#30
Chloroform
Concen: 48.828 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD067904.D
Acq: 08 Dec 2020 09:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.0	76.4





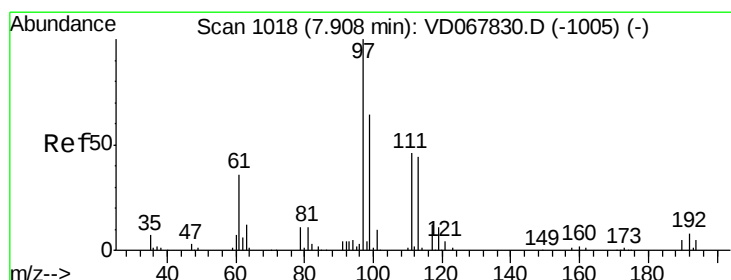
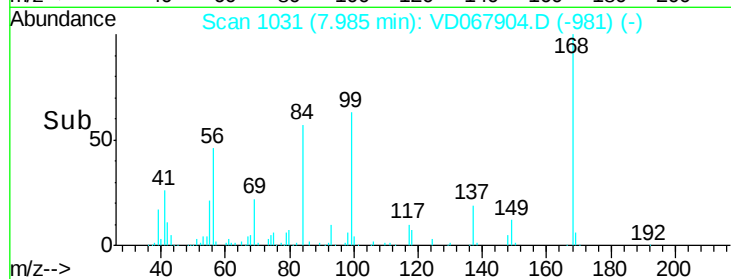
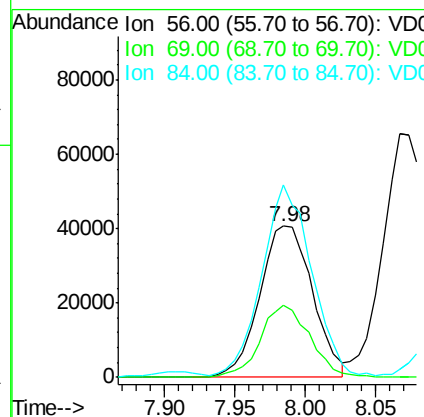
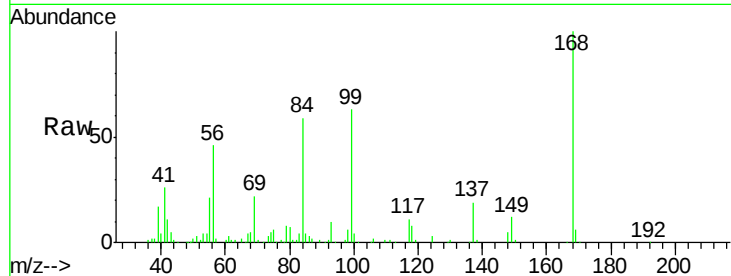
#31
Cyclohexane
Concen: 44.370 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067904.D
Acq: 08 Dec 2020 09:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	48.2	32.1	48.1#
84	124.7	93.2	139.8

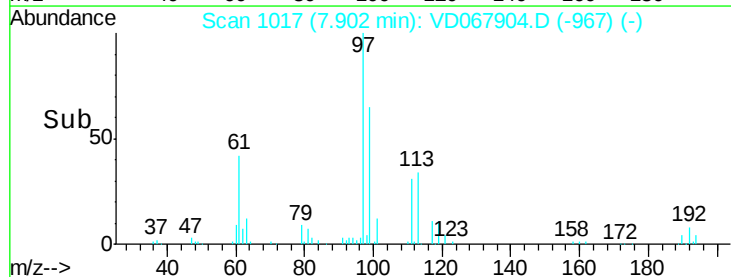
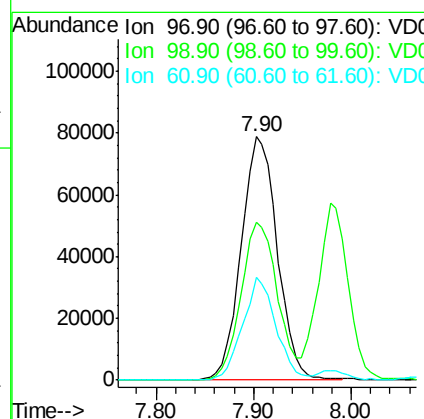
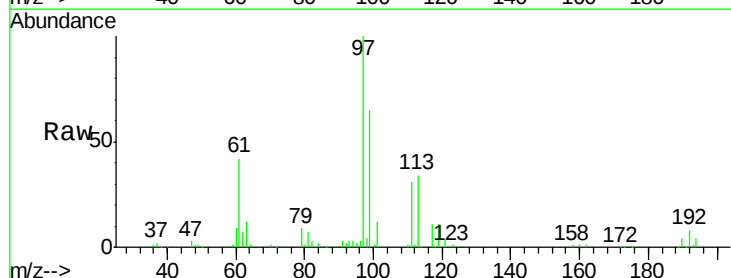
Manual Integrations
APPROVED

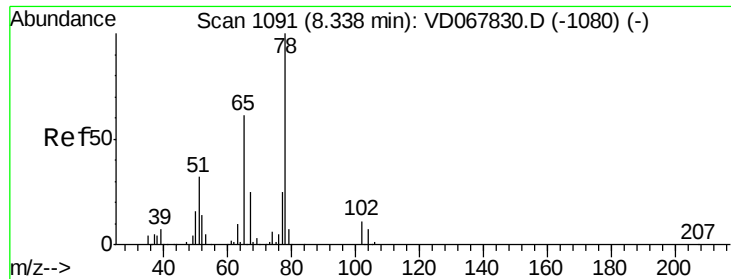
MMDadoda
12/9/2020 9:28:56 AM



#32
1,1,1-Trichloroethane
Concen: 50.318 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD067904.D
Acq: 08 Dec 2020 09:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.4	77.2
61	39.0	30.8	46.2





#33

1,2-Dichloroethane-d4

Concen: 49.590 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067904.D

Acq: 08 Dec 2020 09:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 113142

Ion Ratio Lower Upper

65 100

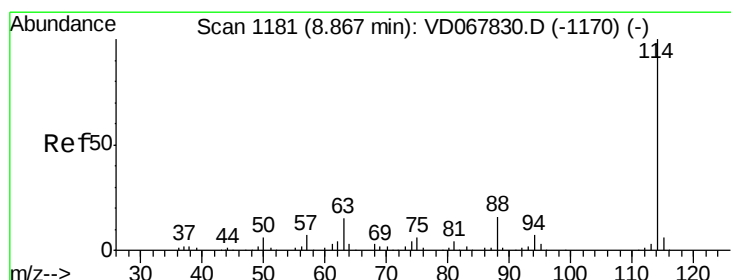
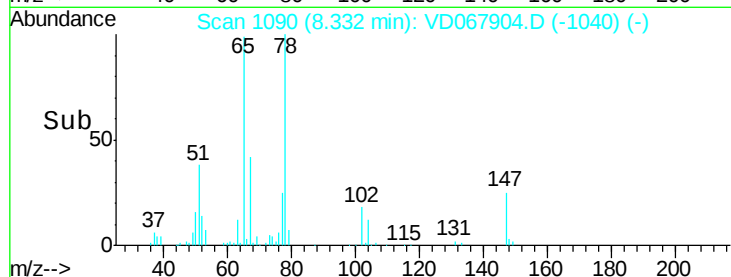
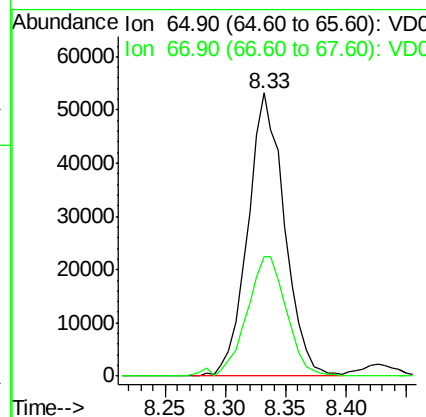
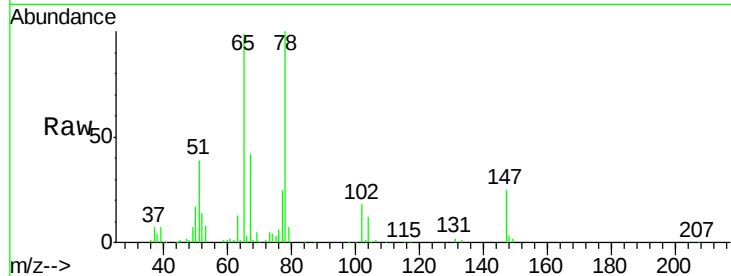
67 44.9 0.0 92.0

Manual Integrations

APPROVED

MMDadoda

12/9/2020 9:28:56 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD067904.D

Acq: 08 Dec 2020 09:48

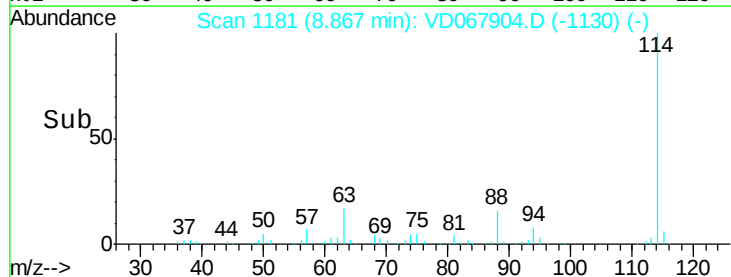
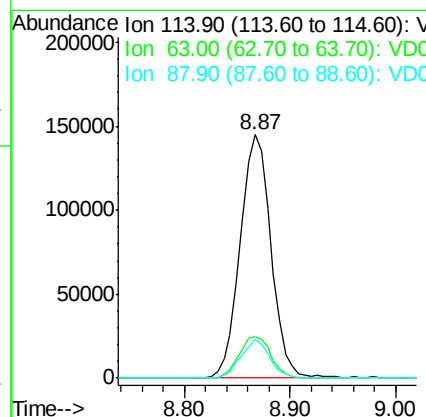
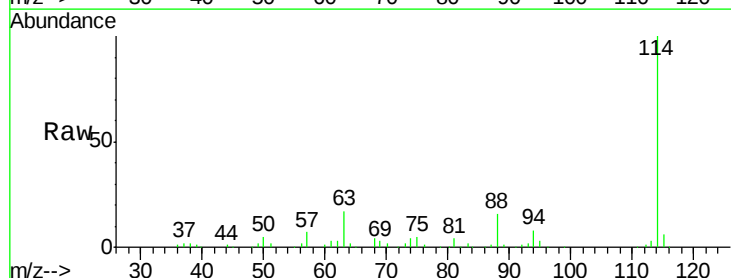
Tgt Ion: 114 Resp: 293411

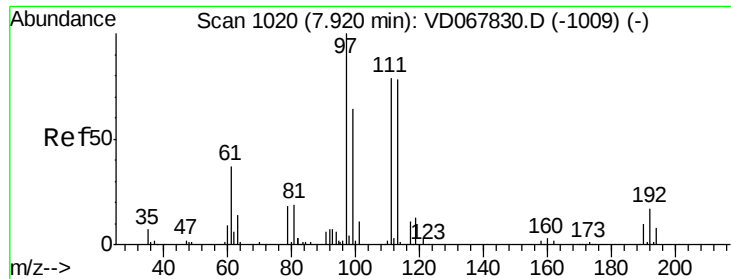
Ion Ratio Lower Upper

114 100

63 17.2 0.0 30.8

88 15.9 0.0 31.8





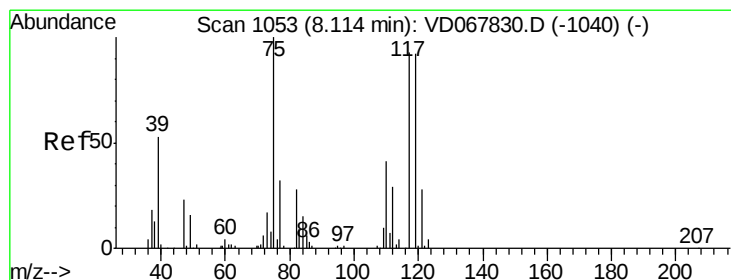
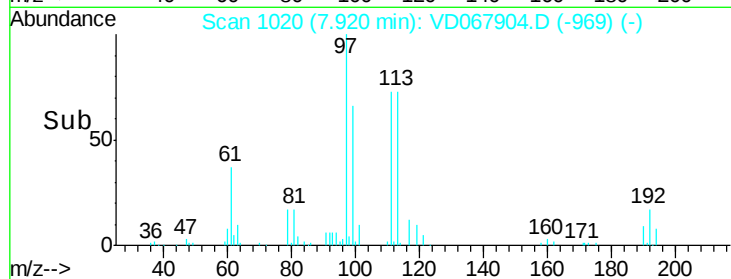
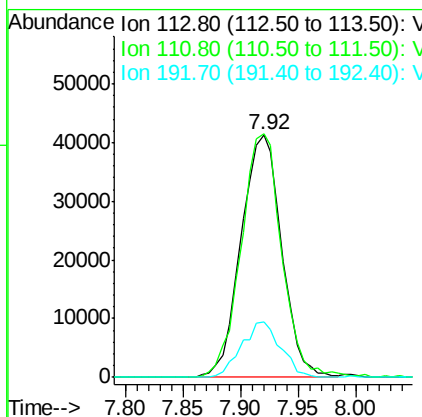
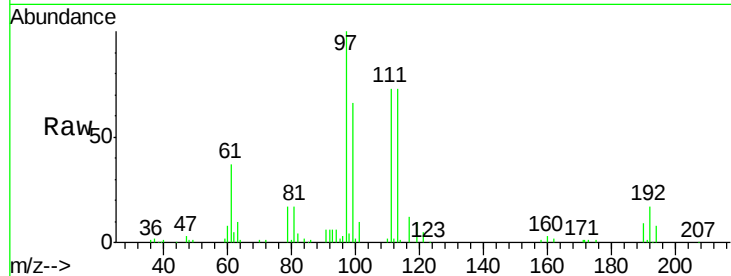
#35
 Dibromofluoromethane
 Concen: 51.575 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067904.D
 Acq: 08 Dec 2020 09:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	101260		
111	100.5	81.2	121.8	
192	21.8	16.8	25.2	

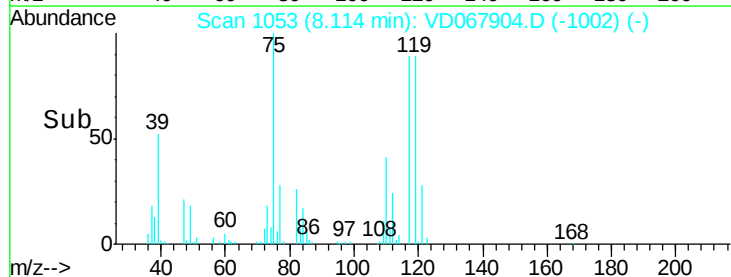
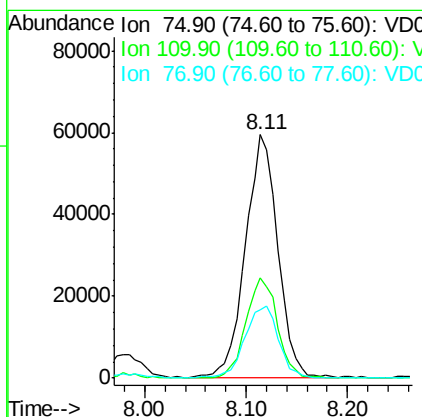
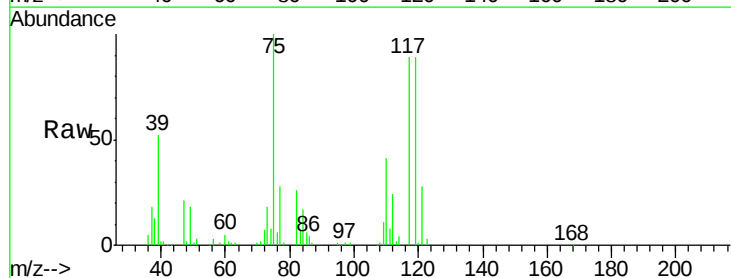
Manual Integrations
 APPROVED

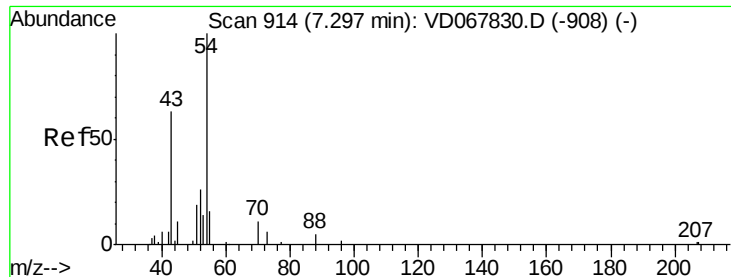
MMDadoda
 12/9/2020 9:28:56 AM



#36
 1,1-Dichloropropene
 Concen: 52.265 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD067904.D
 Acq: 08 Dec 2020 09:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	132755		
110	39.9	20.3	61.0	
77	30.9	24.7	37.1	





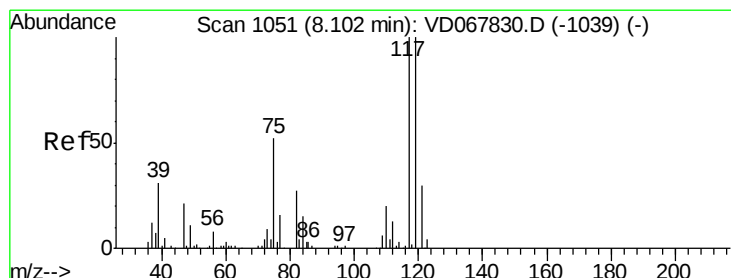
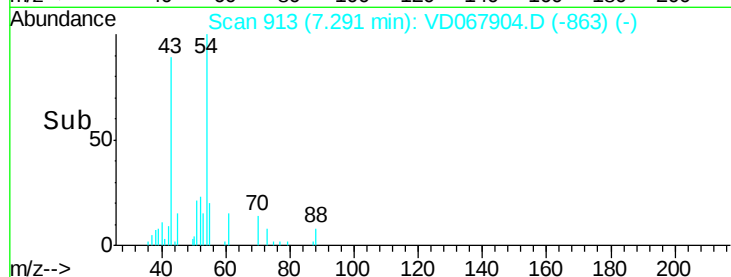
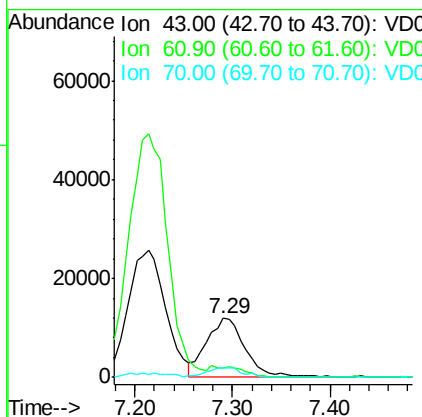
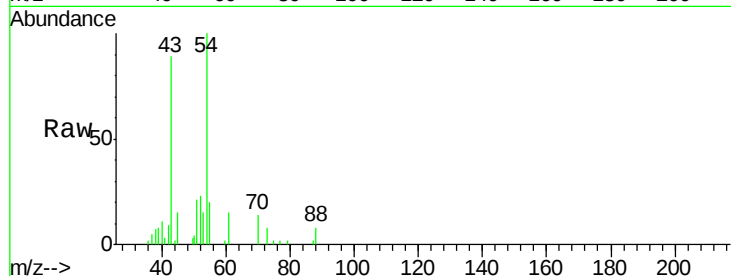
#37
Ethyl Acetate
Concen: 48.379 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067904.D
Acq: 08 Dec 2020 09:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.4	17.2#
70	15.1	11.5	17.3

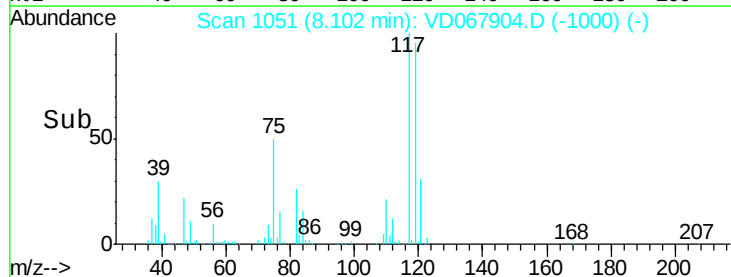
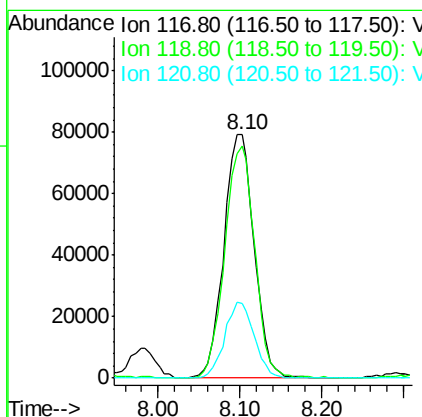
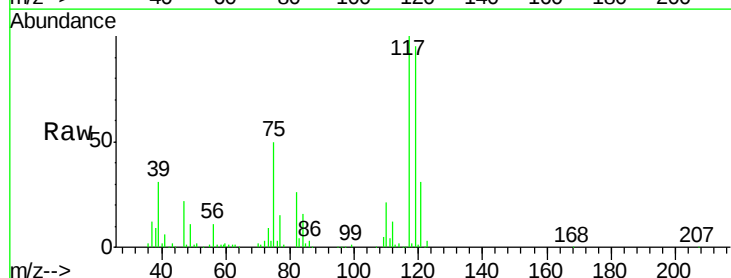
Manual Integrations
APPROVED

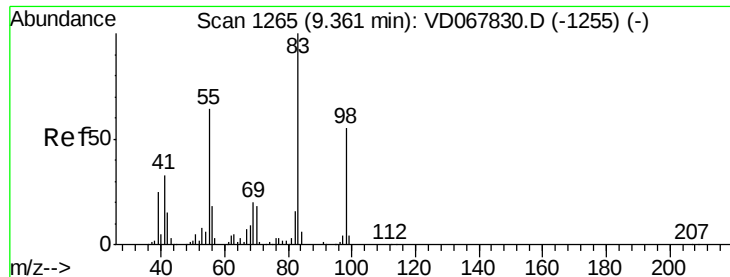
MMDadoda
12/9/2020 9:28:56 AM



#38
Carbon Tetrachloride
Concen: 53.200 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VD067904.D
Acq: 08 Dec 2020 09:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	79.7	119.5
121	30.9	23.8	35.6





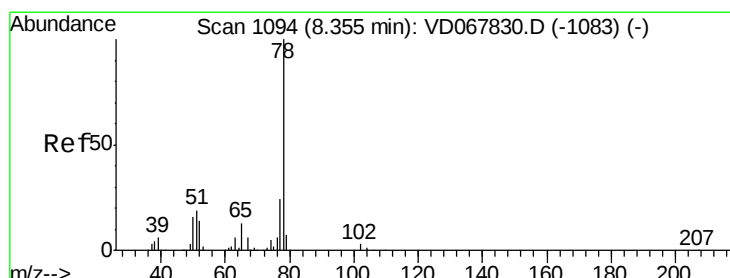
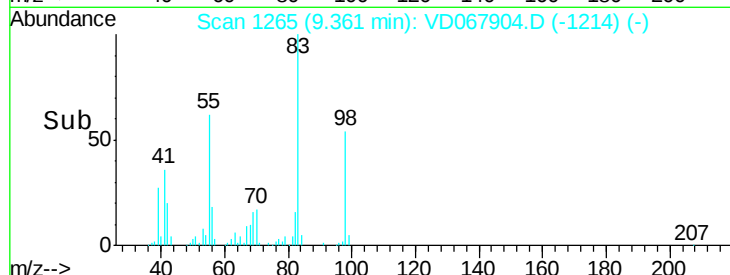
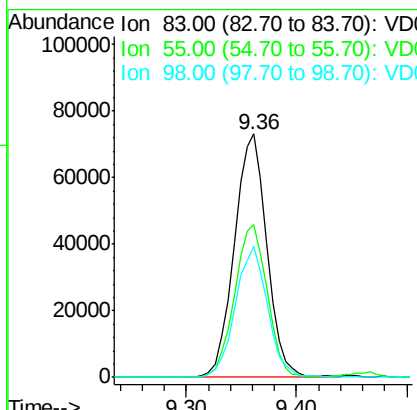
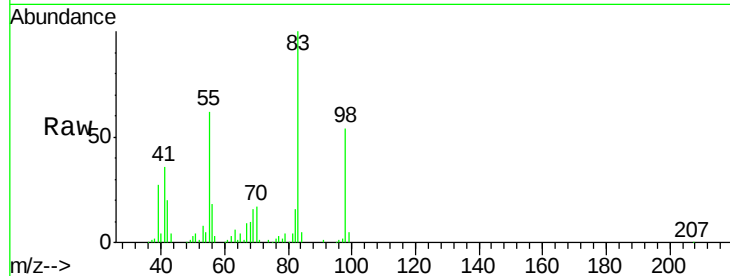
#39
Methvlcvclohexane
Concen: 50.415 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VD067904.D
Acq: 08 Dec 2020 09:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	62.5	51.6	77.4
98	53.9	44.3	66.5

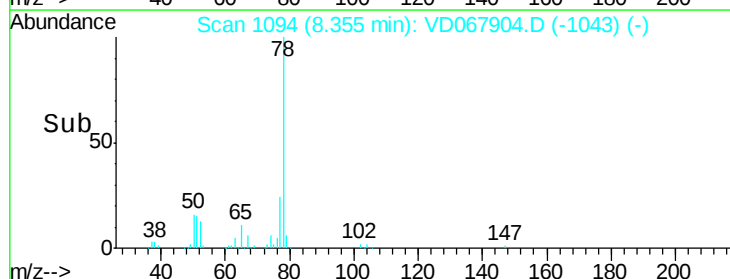
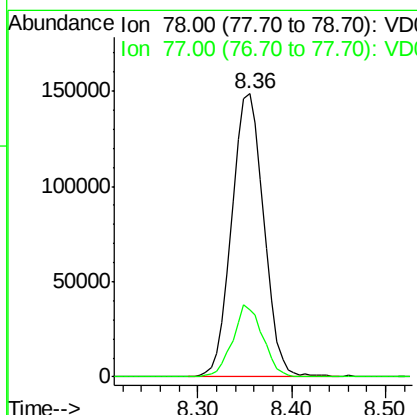
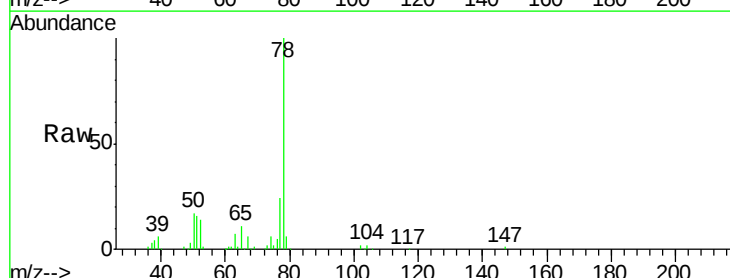
Manual Integrations
APPROVED

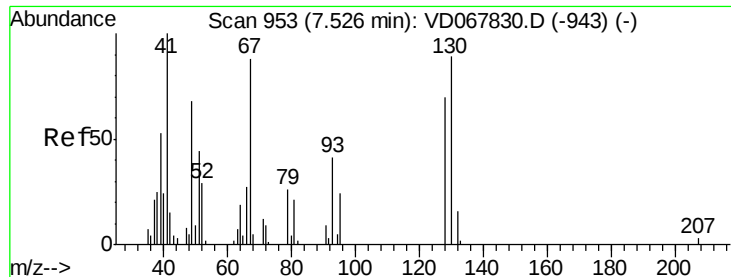
MMDadoda
12/9/2020 9:28:56 AM



#40
Benzene
Concen: 50.679 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD067904.D
Acq: 08 Dec 2020 09:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7





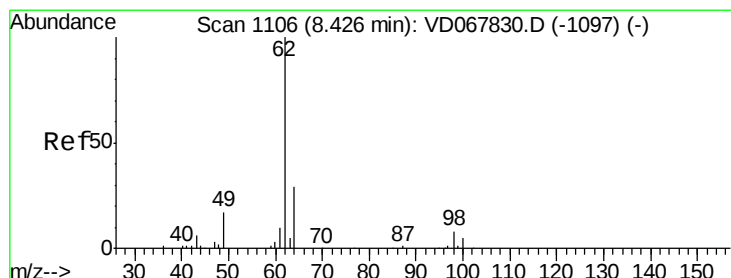
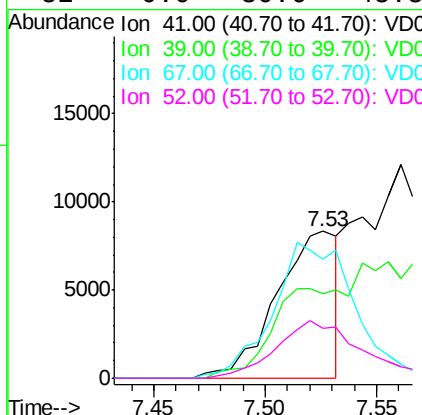
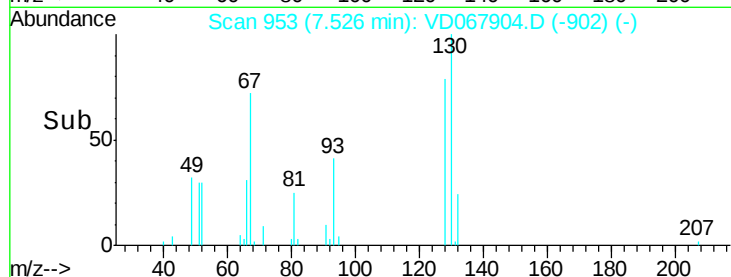
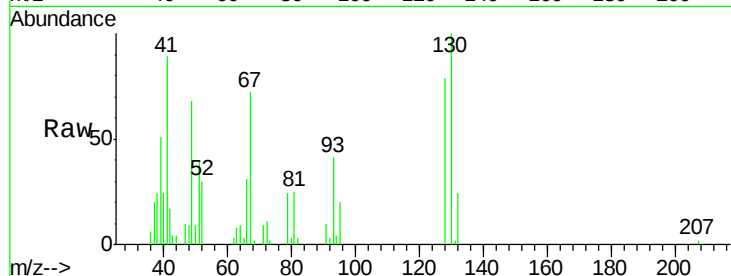
#41
Methacrylonitrile
Concen: 49.440 ug/l m
RT: 7.53 min Scan# 953
Delta R.T. -0.00 min
Lab File: VD067904.D
Acq: 08 Dec 2020 09:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	16089
Ion	Ratio	Lower	Upper
41	100		
39	111.2	42.1	63.1#
67	0.0	82.4	123.6#
52	0.0	30.6	45.8#

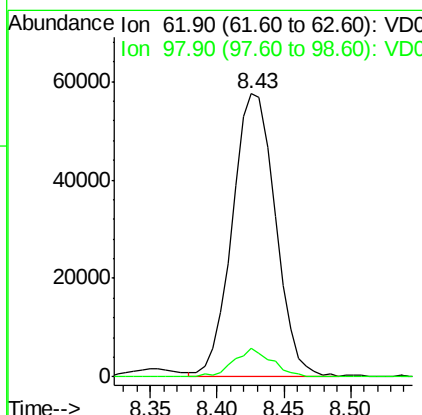
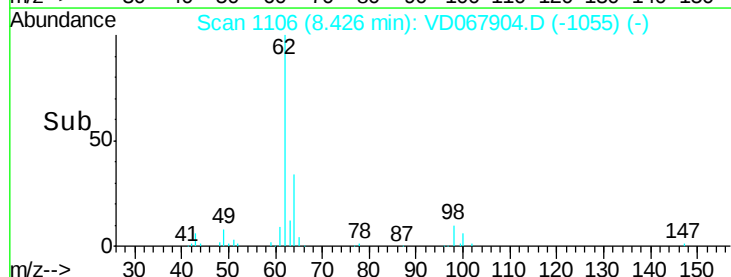
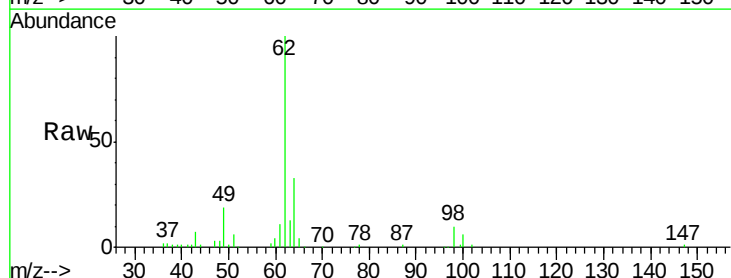
Manual Integrations
APPROVED

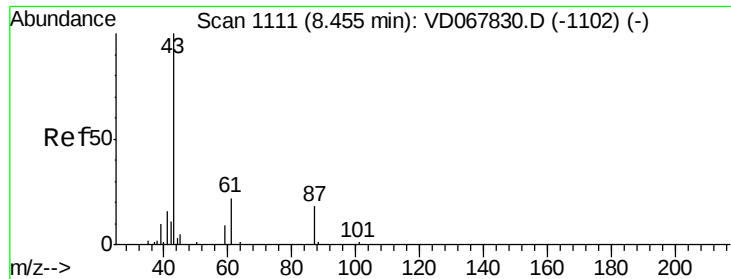
MMDadoda
12/9/2020 9:28:56 AM



#42
1,2-Dichloroethane
Concen: 52.193 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD067904.D
Acq: 08 Dec 2020 09:48

Tgt Ion	62	Resp	129289
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.2





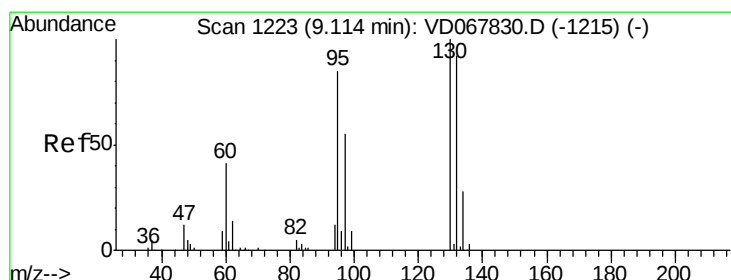
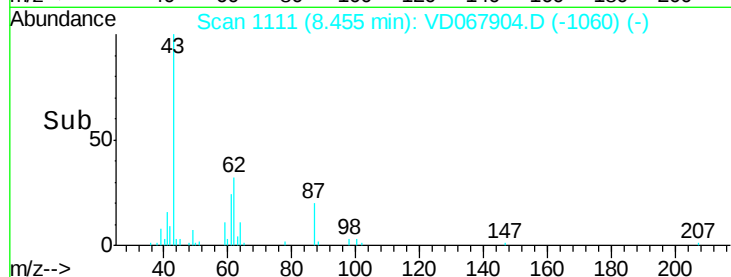
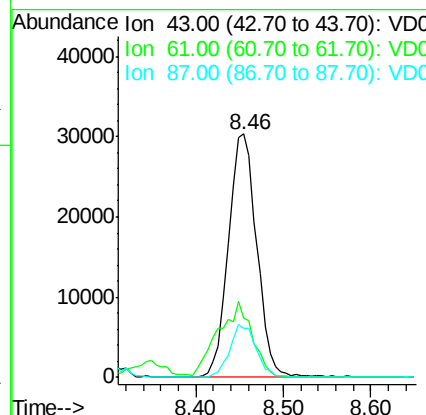
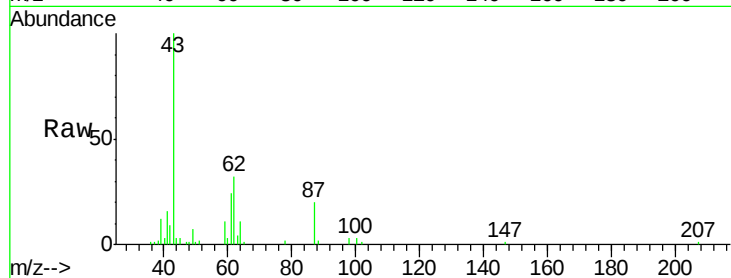
#43
Isopropyl Acetate
Concen: 50.044 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD067904.D
Acq: 08 Dec 2020 09:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	37.9	30.4	45.6
87	20.1	16.2	24.2

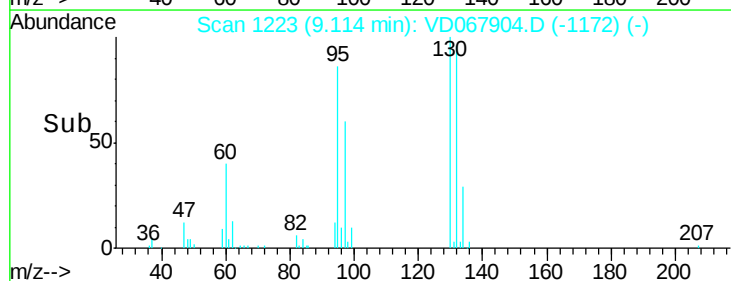
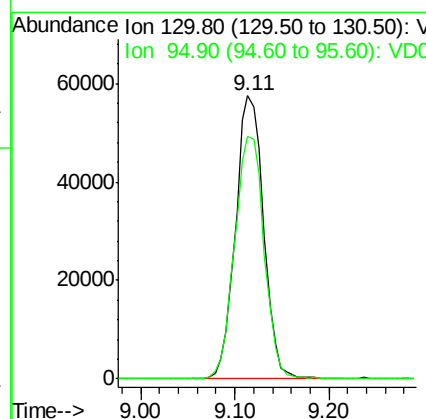
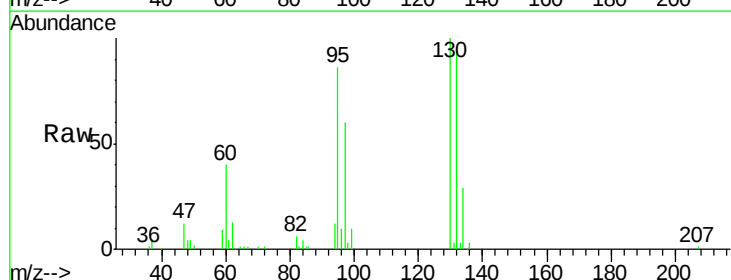
Manual Integrations
APPROVED

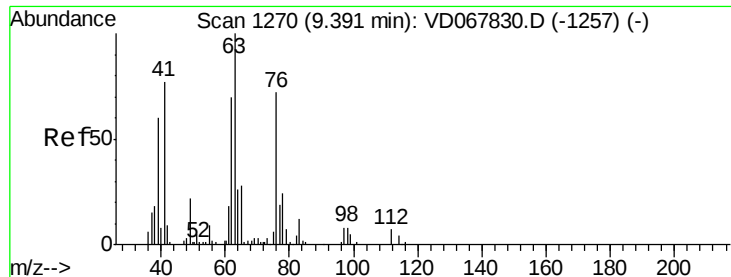
MMDadoda
12/9/2020 9:28:56 AM



#44
Trichloroethene
Concen: 49.974 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD067904.D
Acq: 08 Dec 2020 09:48

Tgt Ion	Ratio	Lower	Upper
130	100		
95	85.8	0.0	170.2





#45

1,2-Dichloropropane

Concen: 49.635 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD067904.D

Acq: 08 Dec 2020 09:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 70804

Ion Ratio Lower Upper

63 100

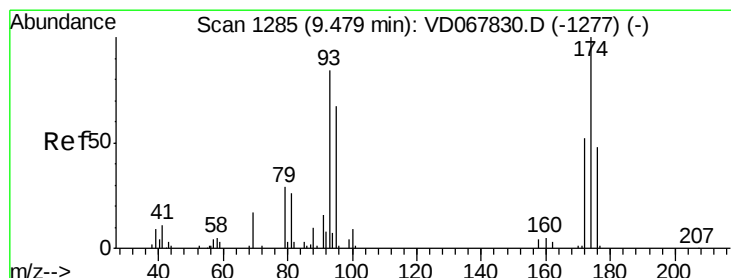
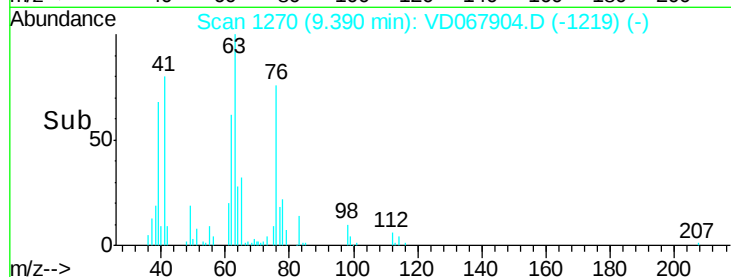
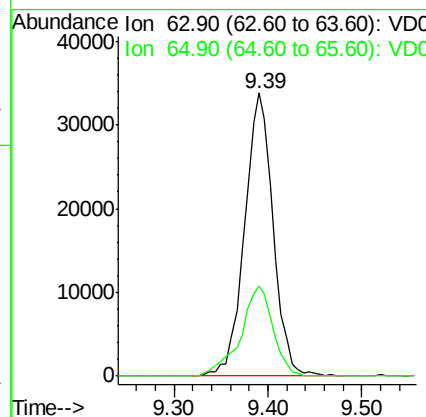
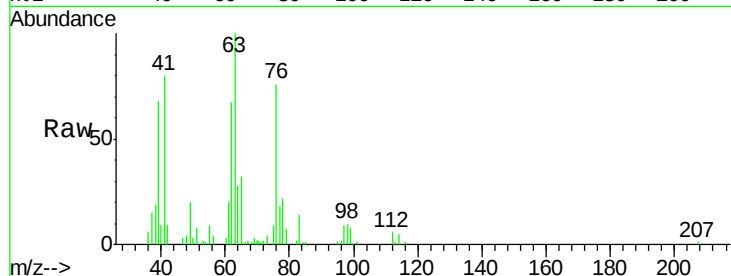
65 31.7 22.8 34.2

Manual Integrations

APPROVED

MMDadoda

12/9/2020 9:28:56 AM



#46

Dibromomethane

Concen: 50.407 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD067904.D

Acq: 08 Dec 2020 09:48

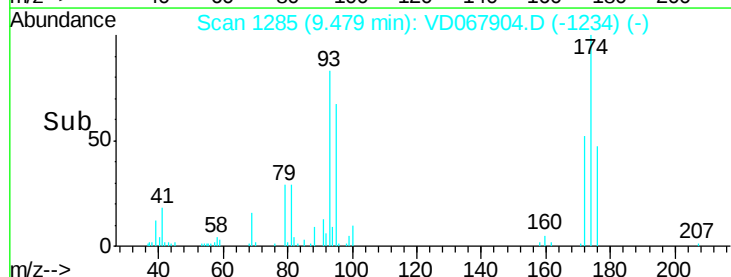
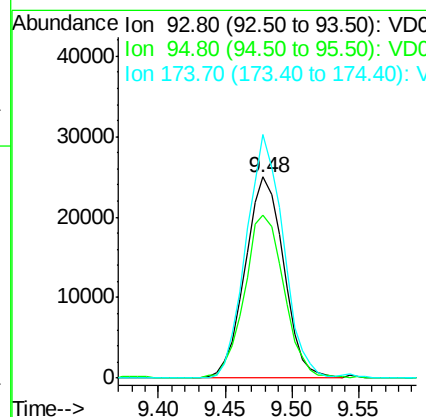
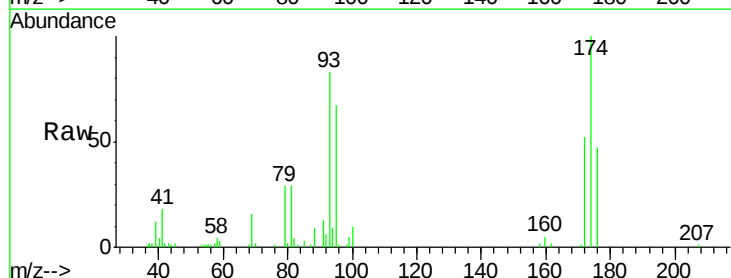
Tgt Ion: 93 Resp: 49994

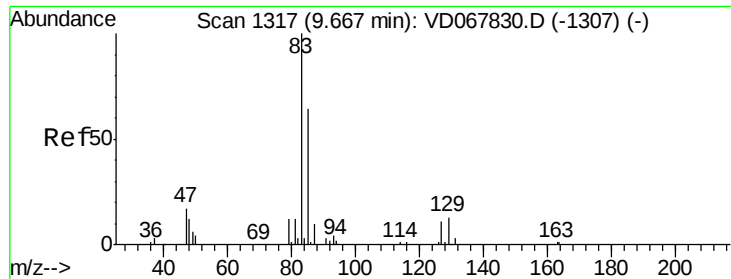
Ion Ratio Lower Upper

93 100

95 83.0 64.2 96.4

174 116.5 91.5 137.3





#47

Bromodichloromethane

Concen: 51.706 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD067904.D

Acq: 08 Dec 2020 09:48

Instrument :

MSVOA_D

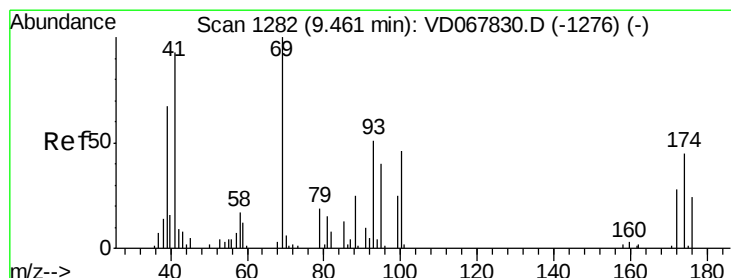
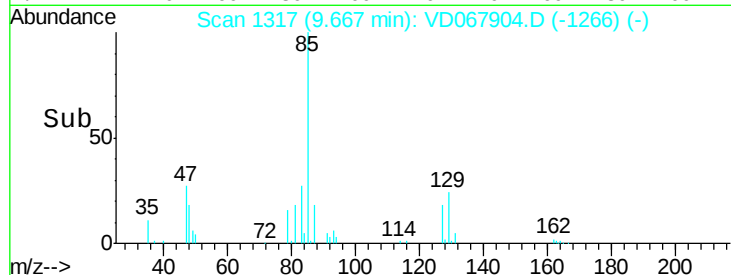
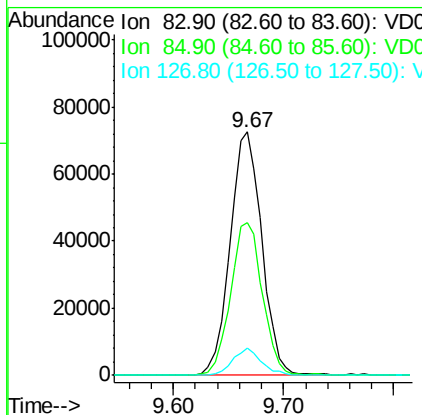
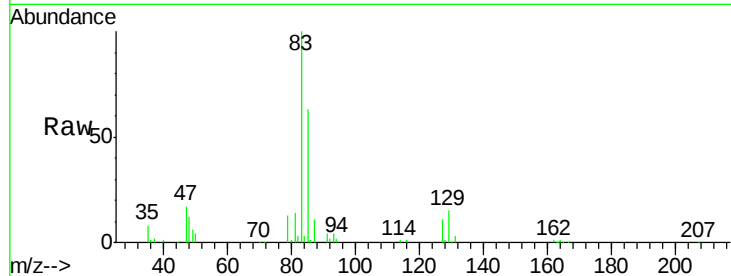
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	146200
Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.4	77.0
127	11.0	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
12/9/2020 9:28:56 AM



#48

Methyl methacrylate

Concen: 49.705 ug/l

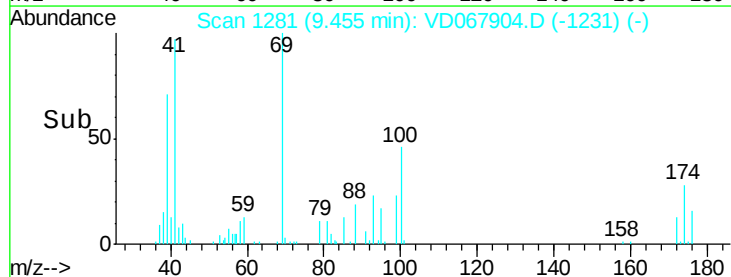
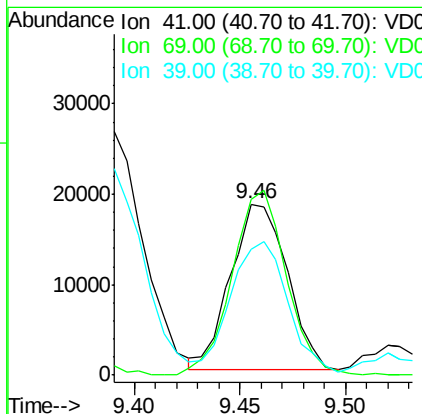
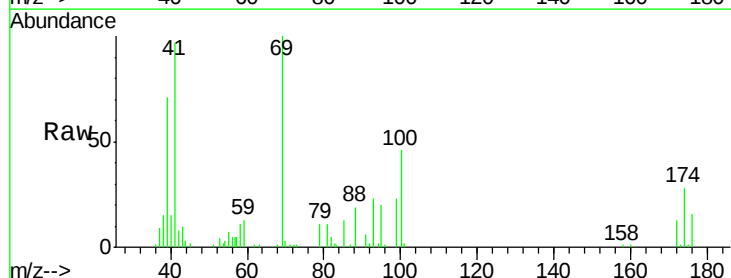
RT: 9.46 min Scan# 1281

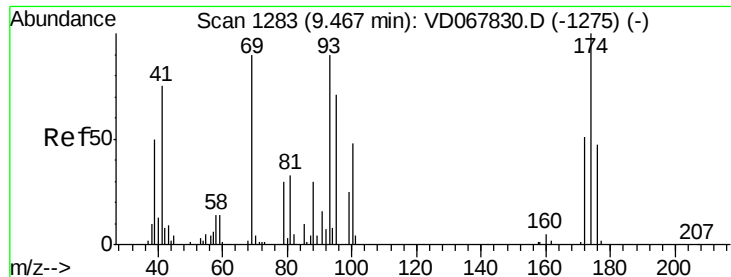
Delta R.T. -0.01 min

Lab File: VD067904.D

Acq: 08 Dec 2020 09:48

Tgt Ion:	41	Resp:	33997
Ion	Ratio	Lower	Upper
41	100		
69	107.9	87.6	131.4
39	78.8	61.2	91.8





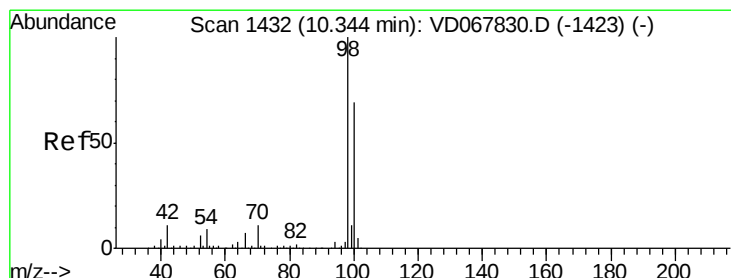
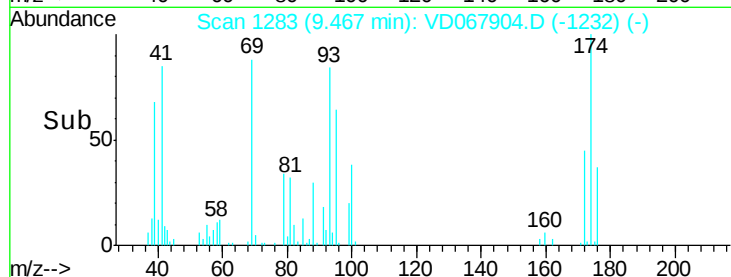
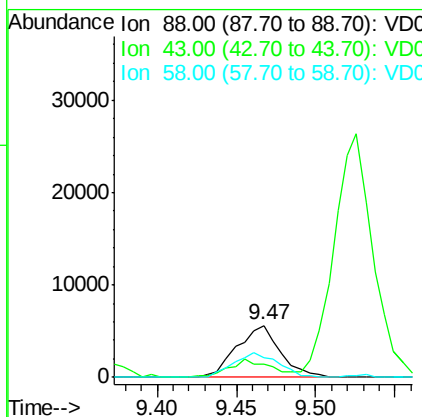
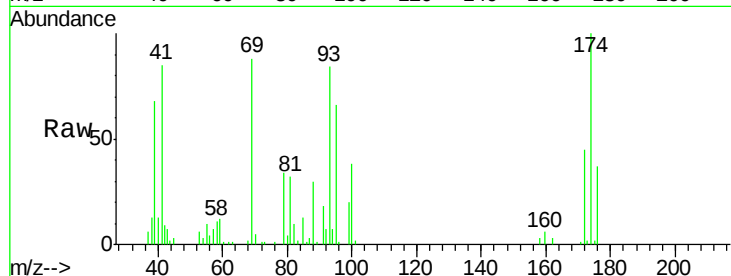
#49
1,4-Dioxane
Concen: 939.207 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD067904.D
Acq: 08 Dec 2020 09:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.3	30.1	45.1
58	48.9	42.4	63.6

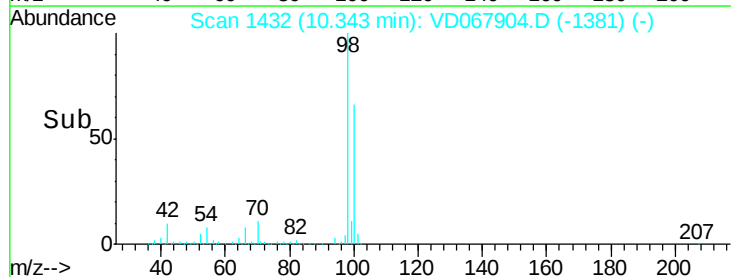
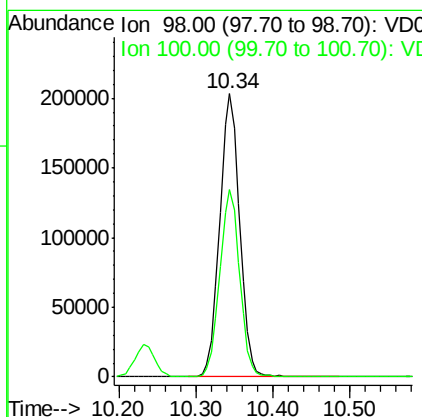
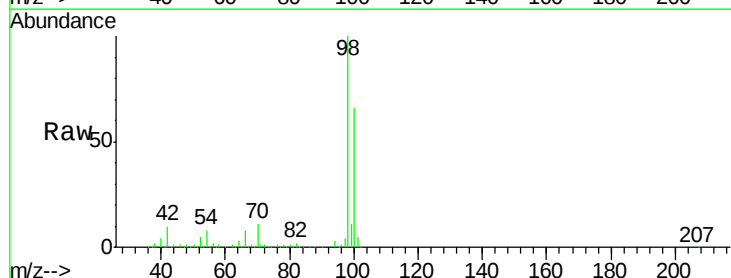
Manual Integrations
APPROVED

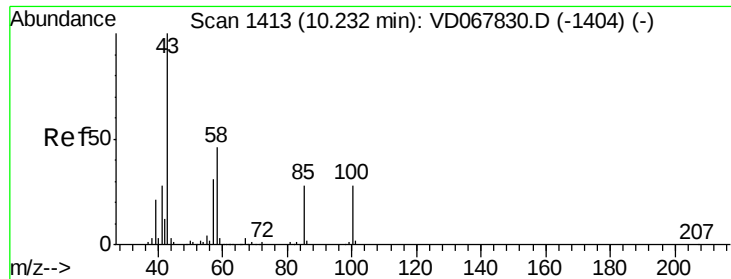
MMDadoda
12/9/2020 9:28:56 AM



#50
Toluene-d8
Concen: 51.727 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067904.D
Acq: 08 Dec 2020 09:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 247.057 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD067904.D

Acq: 08 Dec 2020 09:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 157502

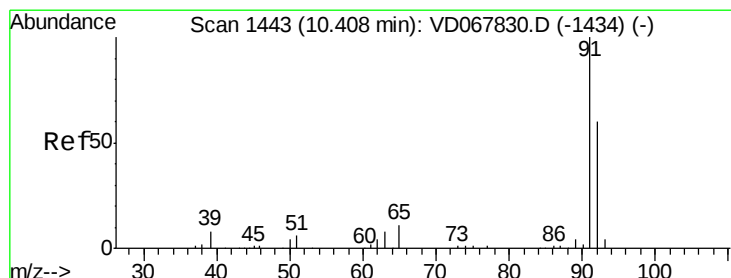
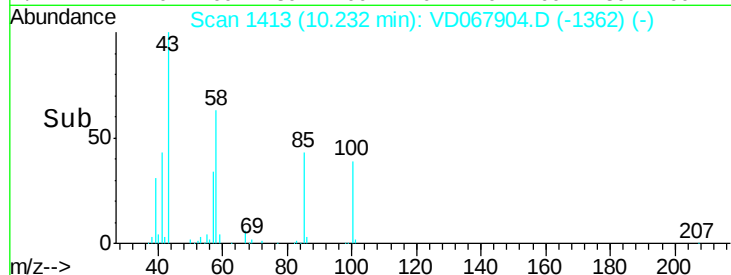
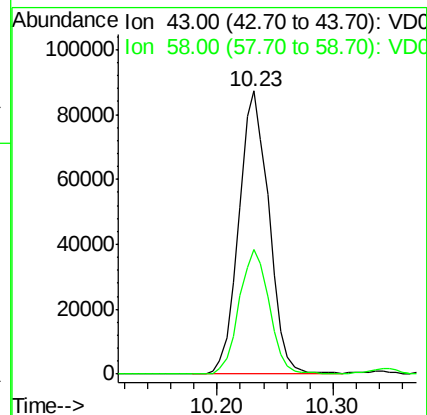
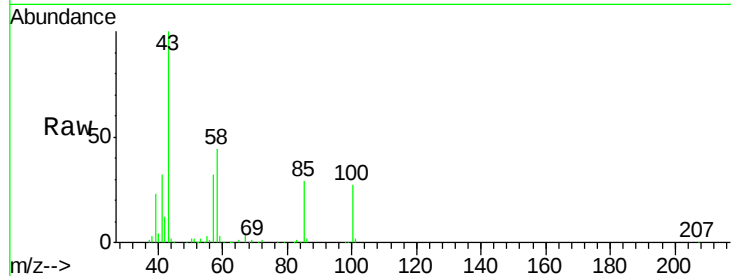
Ion Ratio Lower Upper

43 100

58 44.1 35.7 53.5

Manual Integrations
APPROVED

MMDadoda
12/9/2020 9:28:56 AM



#52

Toluene

Concen: 50.719 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD067904.D

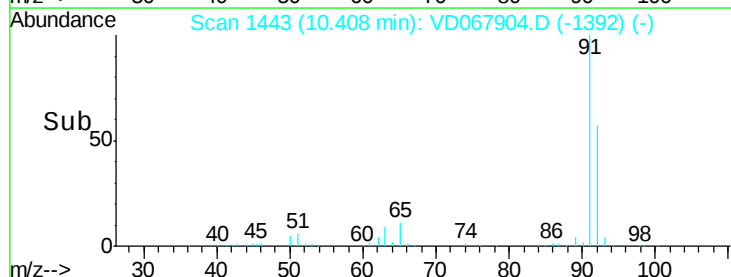
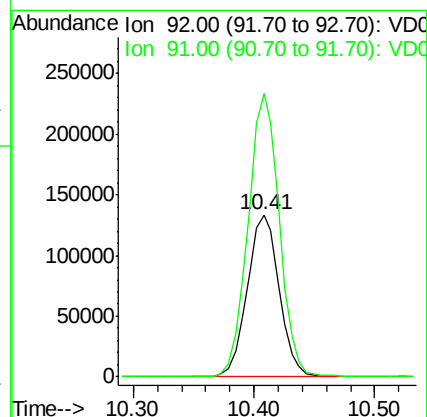
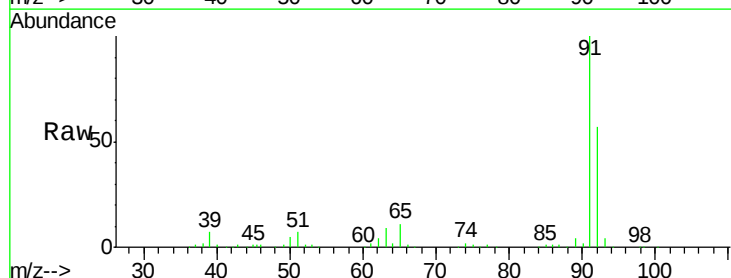
Acq: 08 Dec 2020 09:48

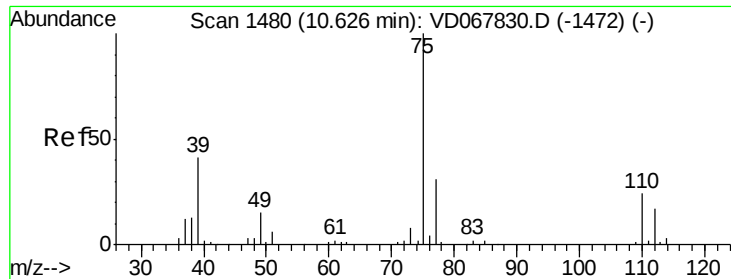
Tgt Ion: 92 Resp: 246459

Ion Ratio Lower Upper

92 100

91 171.9 134.2 201.2





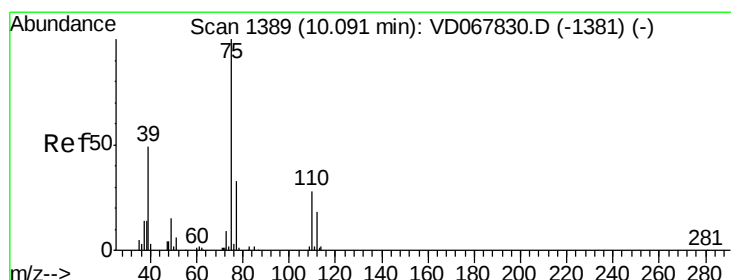
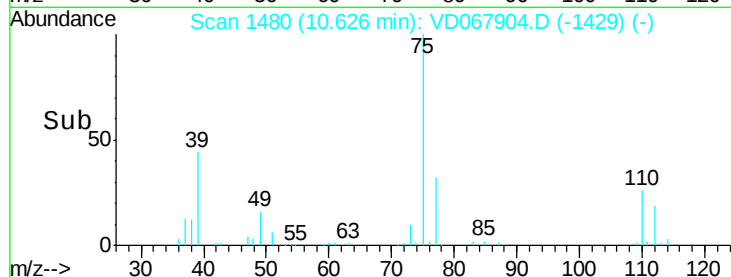
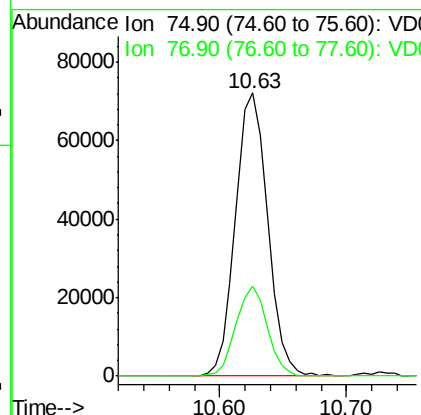
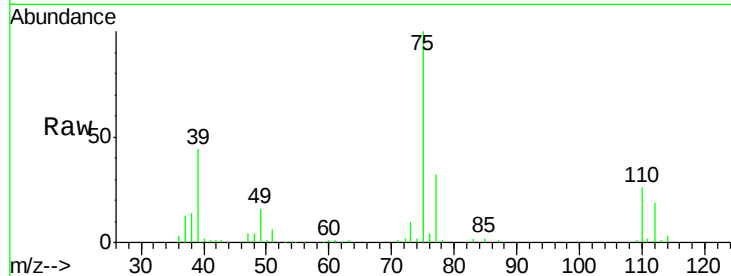
#53
 t-1,3-Dichloropropene
 Concen: 52.077 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VD067904.D
 Acq: 08 Dec 2020 09:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 127092
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.0 37.4

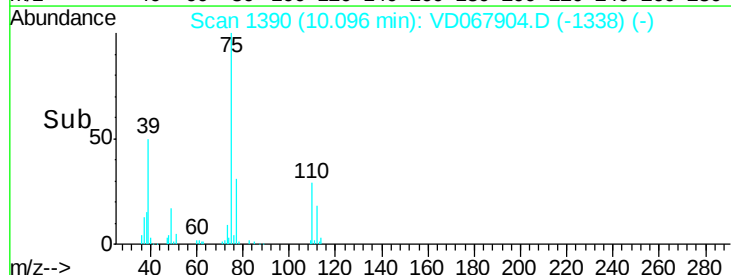
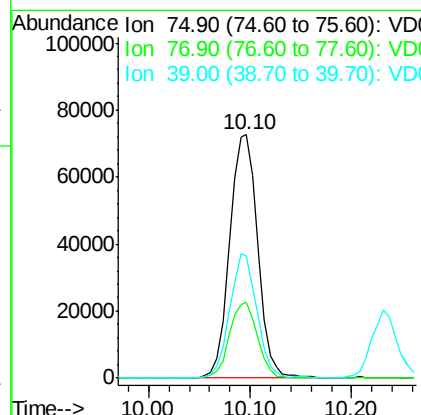
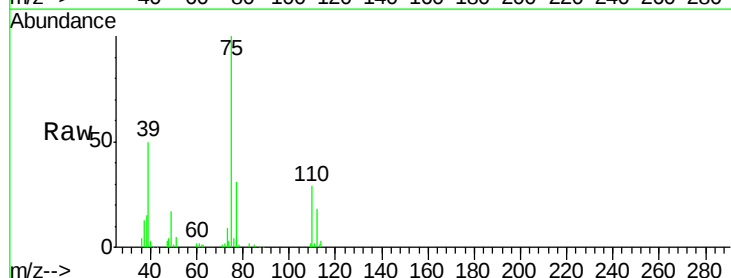
Manual Integrations
 APPROVED

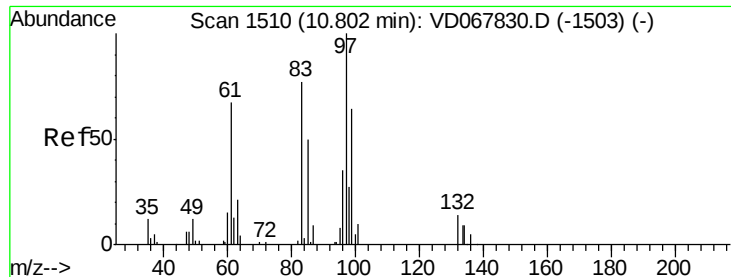
MMDadoda
 12/9/2020 9:28:56 AM



#54
 cis-1,3-Dichloropropene
 Concen: 52.482 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: VD067904.D
 Acq: 08 Dec 2020 09:48

Tgt Ion: 75 Resp: 139319
 Ion Ratio Lower Upper
 75 100
 77 31.4 26.2 39.2
 39 50.0 39.0 58.4





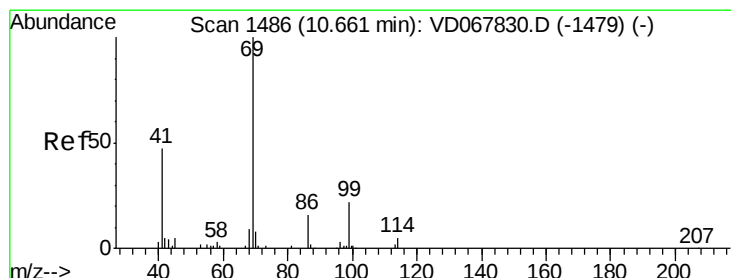
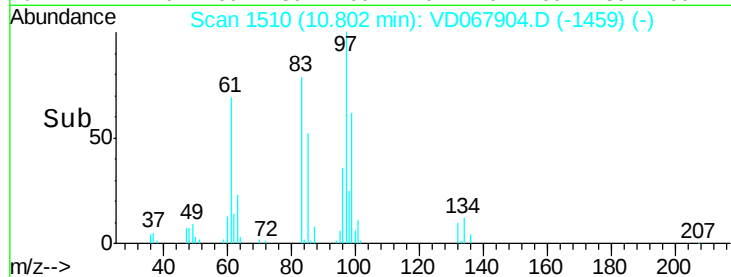
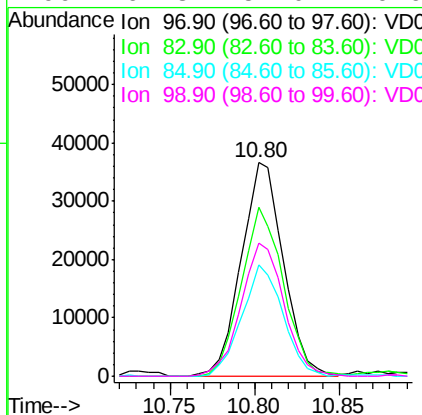
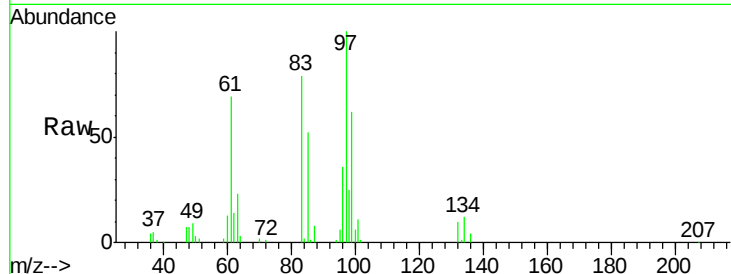
#55
 1,1,2-Trichloroethane
 Concen: 46.921 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD067904.D
 Acq: 08 Dec 2020 09:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	97	Resp	63686
Ion	Ratio	Lower	Upper
97	100		
83	79.0	61.9	92.9
85	52.2	40.2	60.4
99	62.3	51.0	76.6

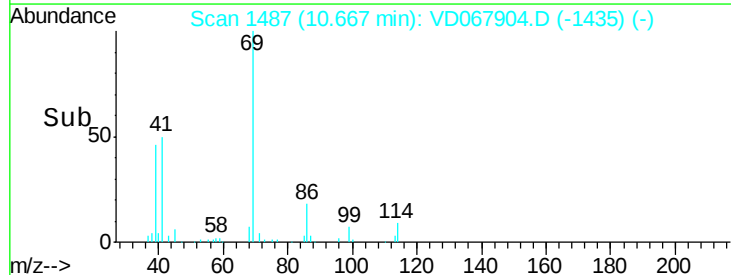
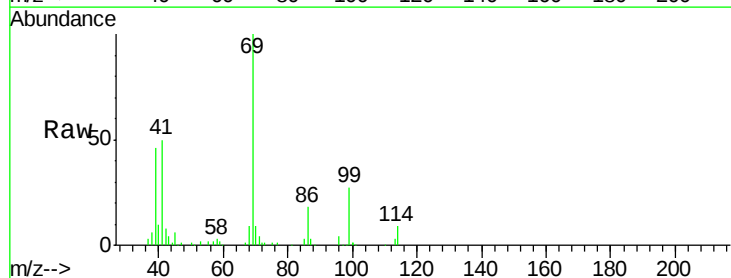
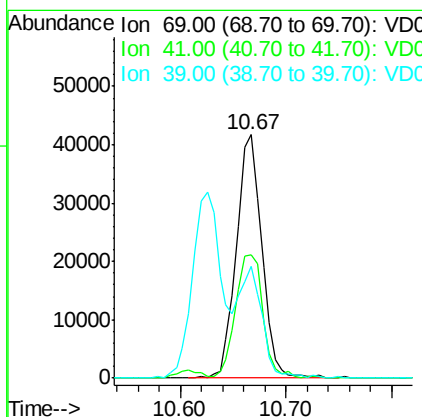
Manual Integrations
 APPROVED

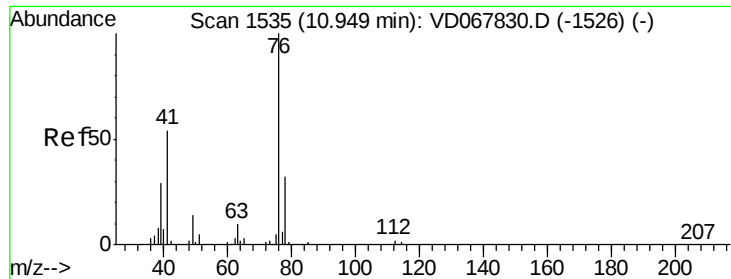
MMDadoda
 12/9/2020 9:28:56 AM



#56
 Ethyl methacrylate
 Concen: 50.113 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD067904.D
 Acq: 08 Dec 2020 09:48

Tgt Ion	69	Resp	69205
Ion	Ratio	Lower	Upper
69	100		
41	53.9	42.8	64.2
39	41.3	30.5	45.7





#57

1,3-Dichloropropane

Concen: 49.309 ug/l

RT: 10.96 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VD067904.D

Acq: 08 Dec 2020 09:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 106017

Ion Ratio Lower Upper

76 100

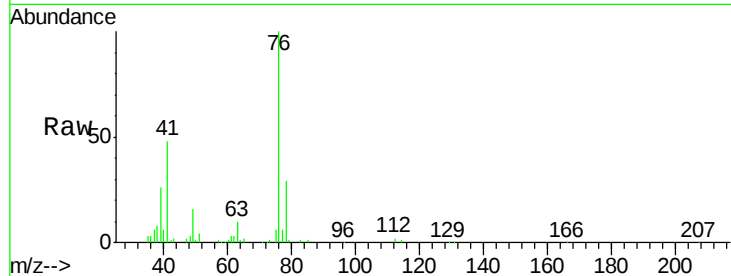
78 31.9 26.6 39.8

Manual Integrations

APPROVED

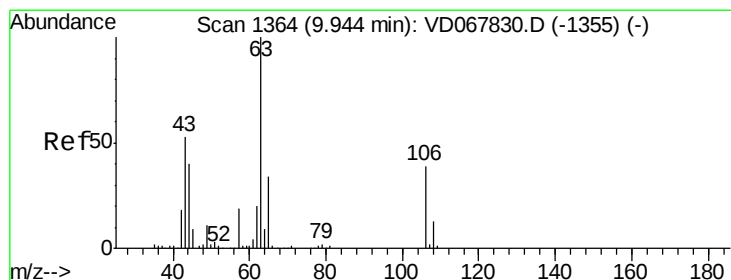
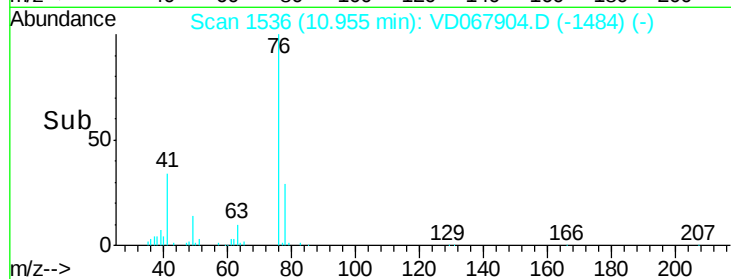
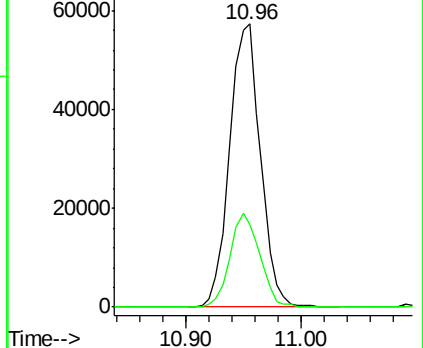
MMDadoda

12/9/2020 9:28:56 AM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 274.426 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD067904.D

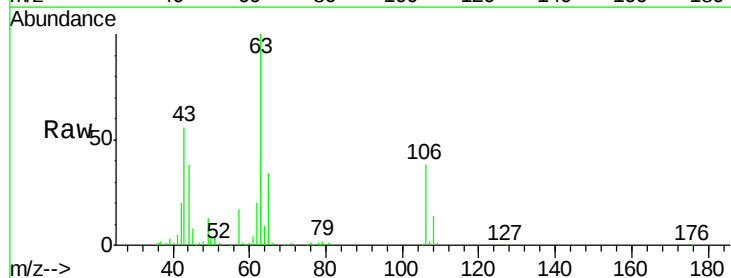
Acq: 08 Dec 2020 09:48

Tgt Ion: 63 Resp: 172449

Ion Ratio Lower Upper

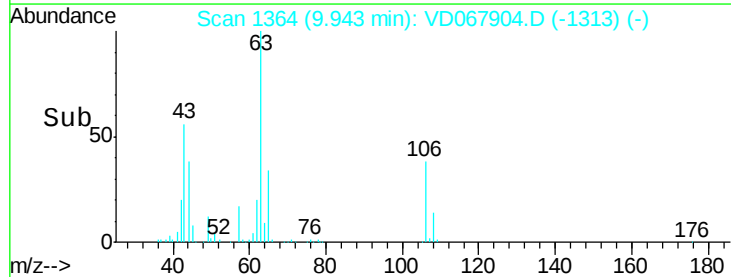
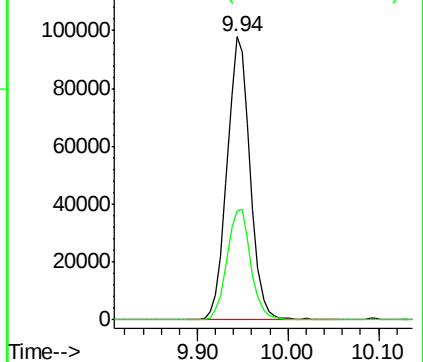
63 100

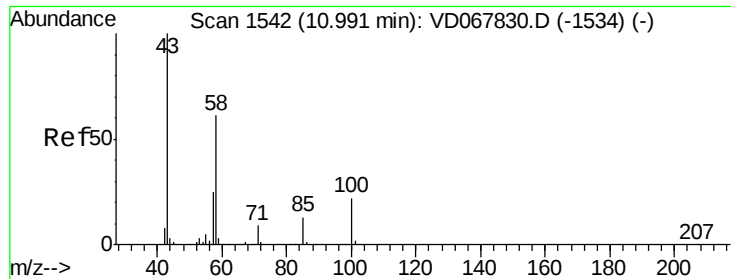
106 40.5 32.0 48.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





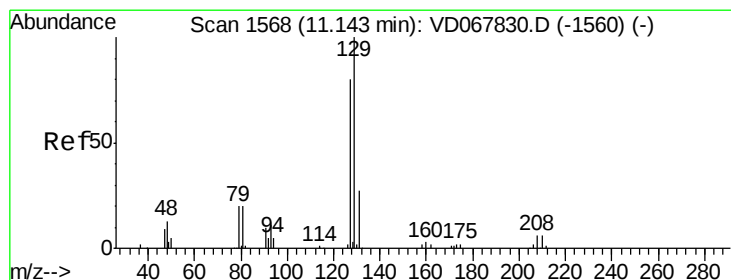
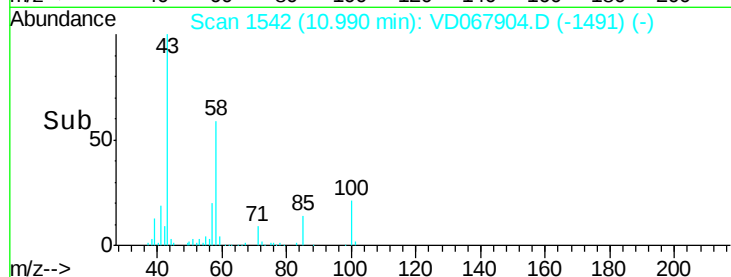
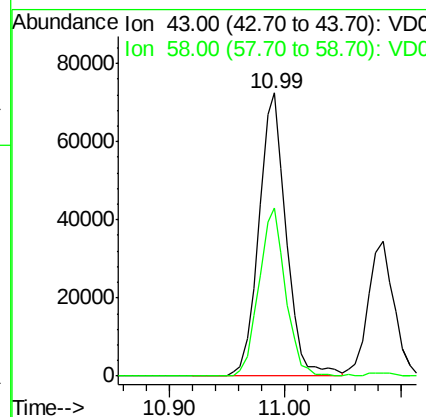
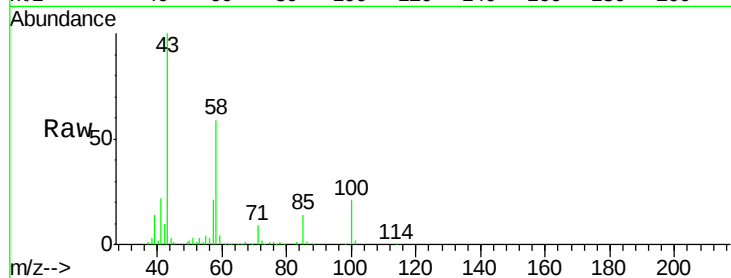
#59
2-Hexanone
Concen: 265.627 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD067904.D
Acq: 08 Dec 2020 09:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 119376
Ion Ratio Lower Upper
43 100
58 58.0 29.9 89.7

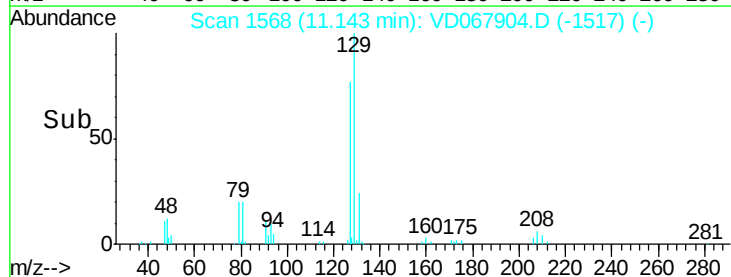
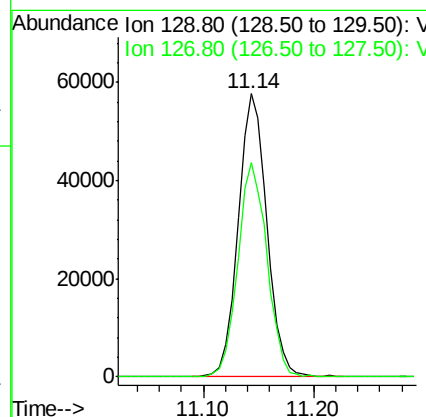
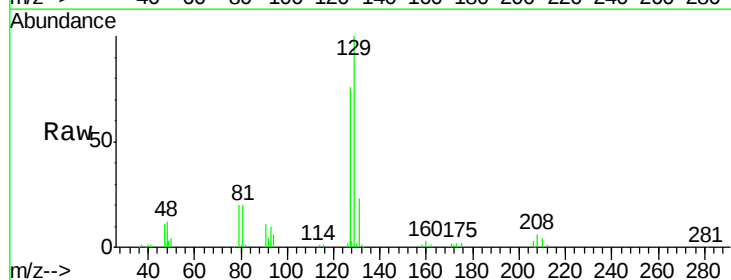
Manual Integrations
APPROVED

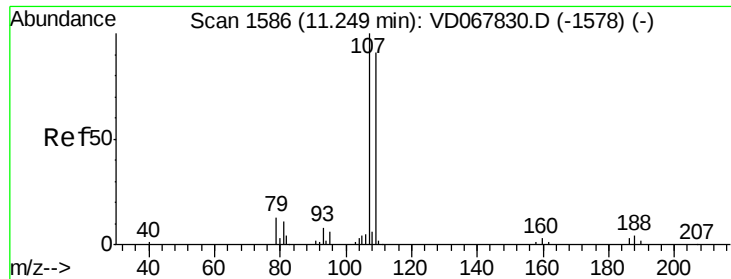
MMDadoda
12/9/2020 9:28:56 AM



#60
Dibromochloromethane
Concen: 51.328 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD067904.D
Acq: 08 Dec 2020 09:48

Tgt Ion: 129 Resp: 105018
Ion Ratio Lower Upper
129 100
127 77.0 39.2 117.6





#61

1,2-Dibromoethane

Concen: 47.923 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD067904.D

Acq: 08 Dec 2020 09:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 63966

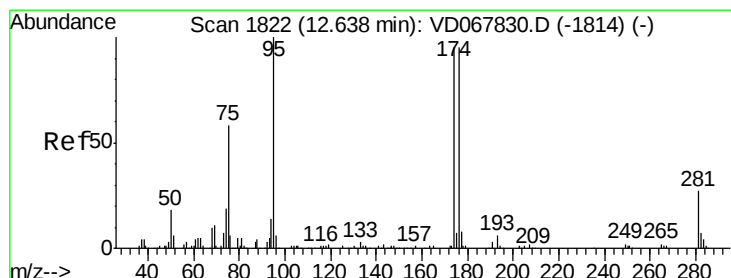
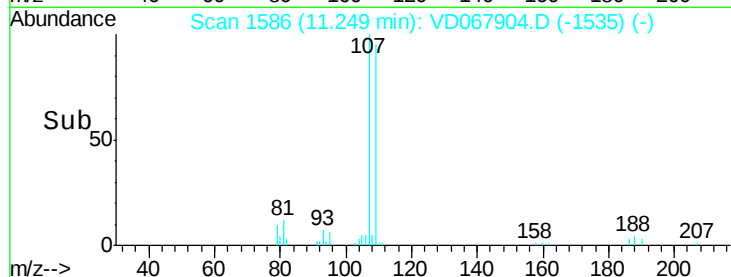
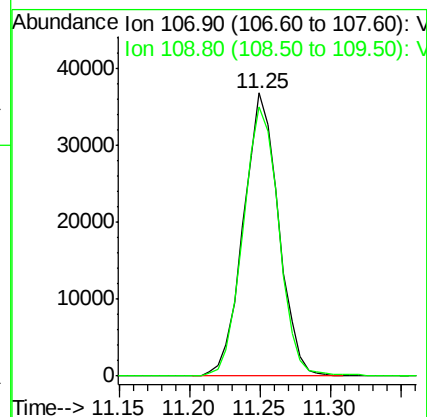
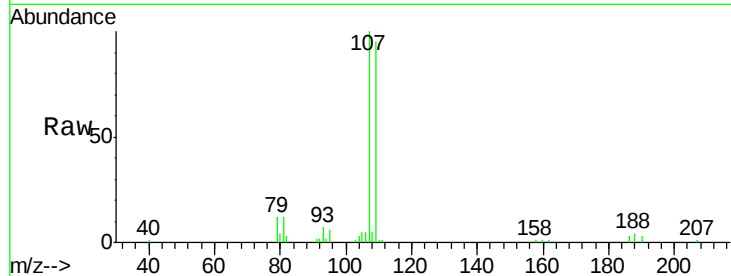
Ion Ratio Lower Upper

107 100

109 97.5 75.9 113.9

Manual Integrations
APPROVED

MMDadoda
12/9/2020 9:28:56 AM



#62

4-Bromofluorobenzene

Concen: 53.462 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067904.D

Acq: 08 Dec 2020 09:48

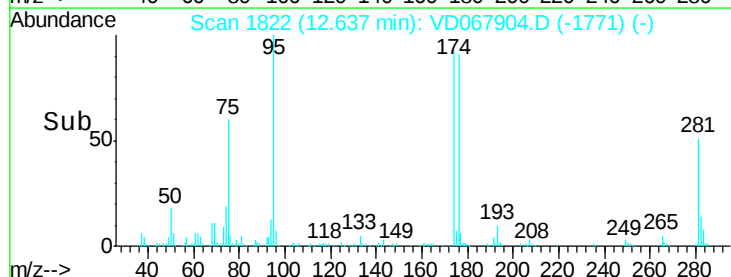
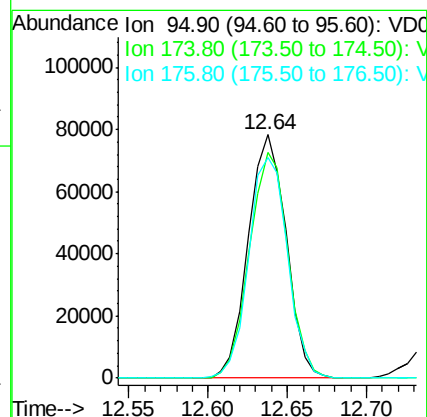
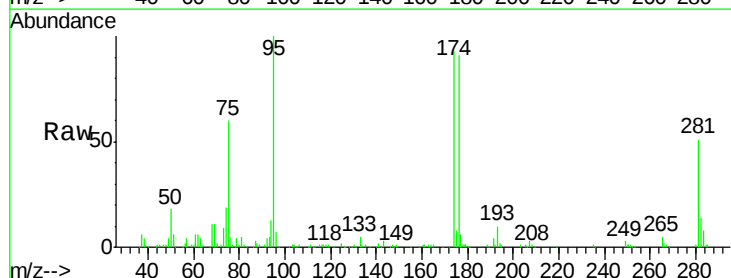
Tgt Ion: 95 Resp: 130633

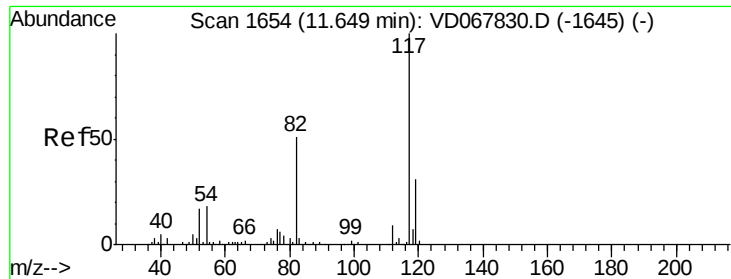
Ion Ratio Lower Upper

95 100

174 93.7 0.0 186.0

176 92.5 0.0 184.2





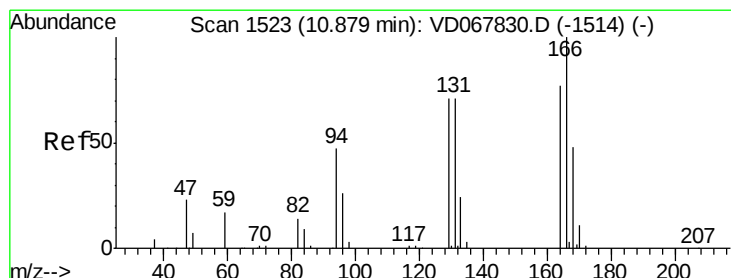
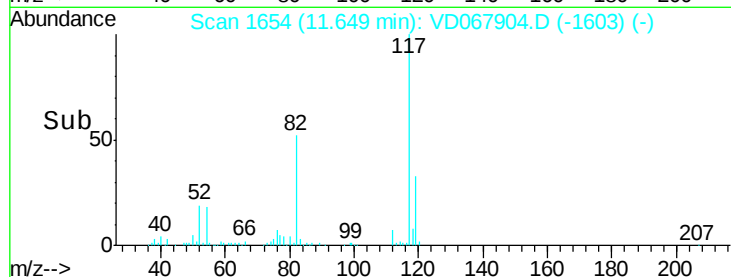
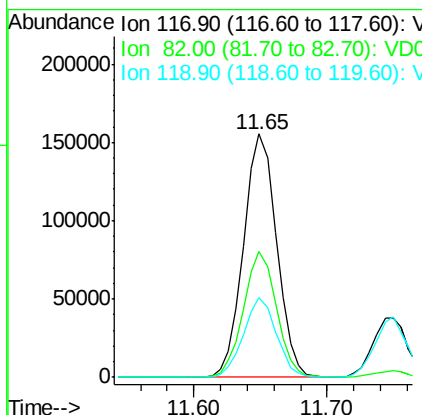
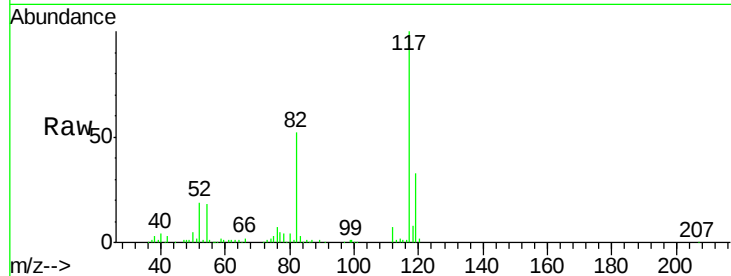
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067904.D
Acq: 08 Dec 2020 09:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.5	40.6	60.8
119	33.0	25.1	37.7

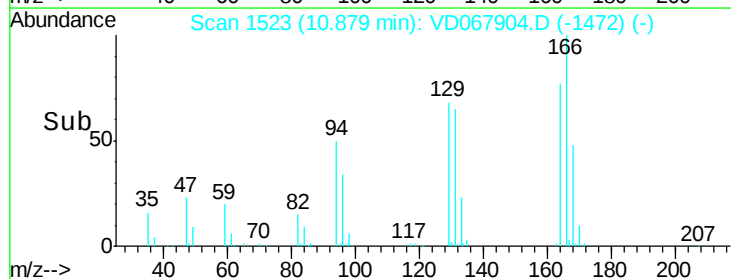
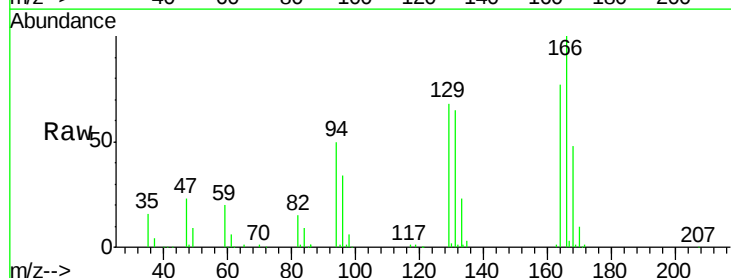
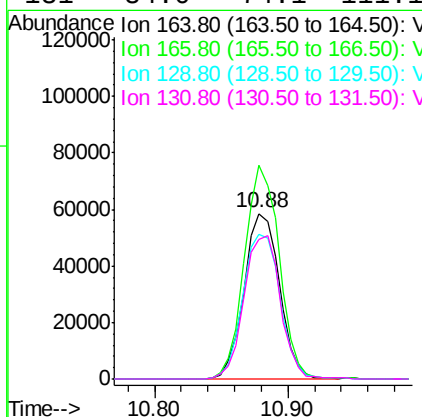
Manual Integrations
APPROVED

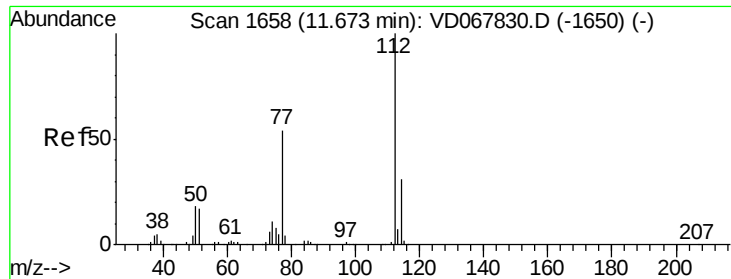
MMDadoda
12/9/2020 9:28:56 AM



#64
Tetrachloroethene
Concen: 49.465 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD067904.D
Acq: 08 Dec 2020 09:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.1	103.8	155.6
129	87.2	73.3	109.9
131	84.0	74.1	111.1





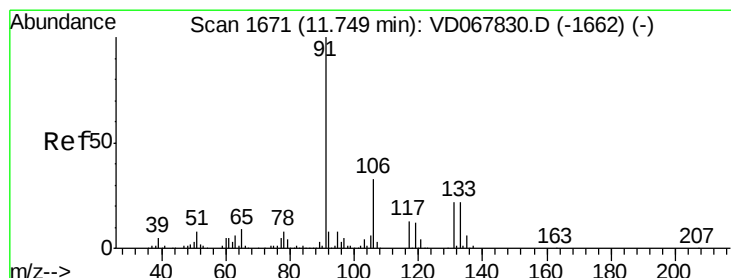
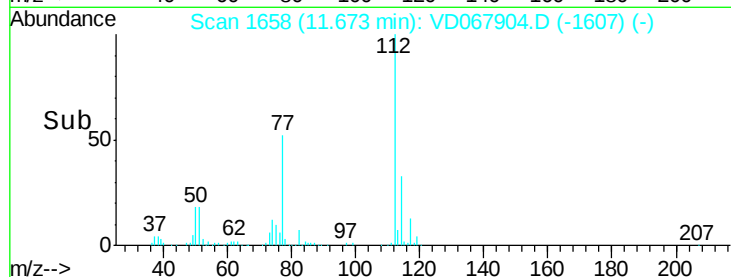
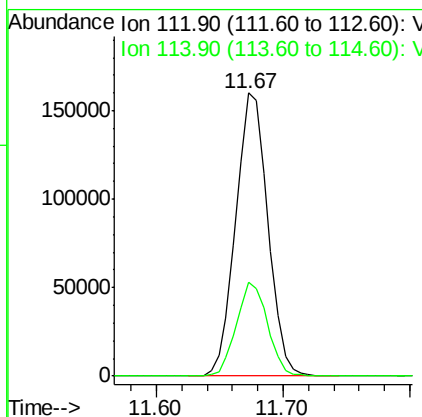
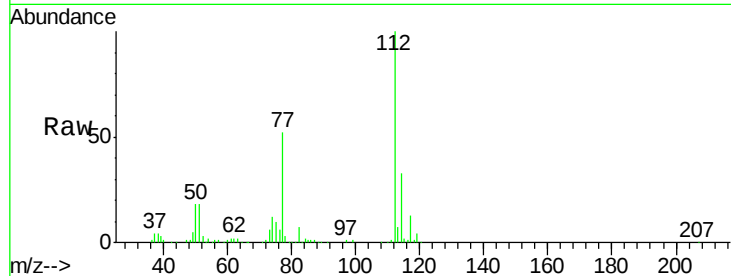
#65
Chlorobenzene
Concen: 51.007 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD067904.D
Acq: 08 Dec 2020 09:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 280978
Ion Ratio Lower Upper
112 100
114 33.3 25.0 37.4

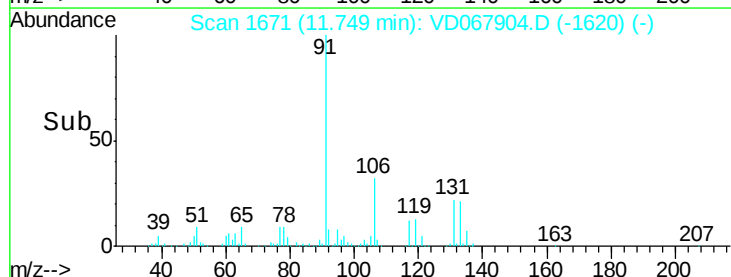
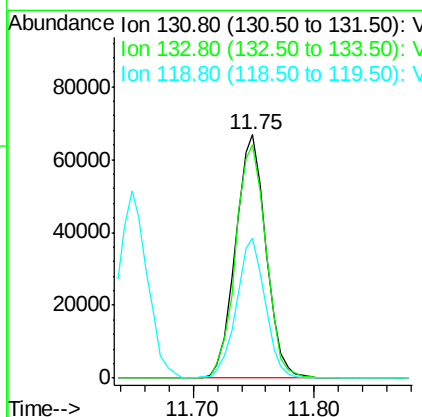
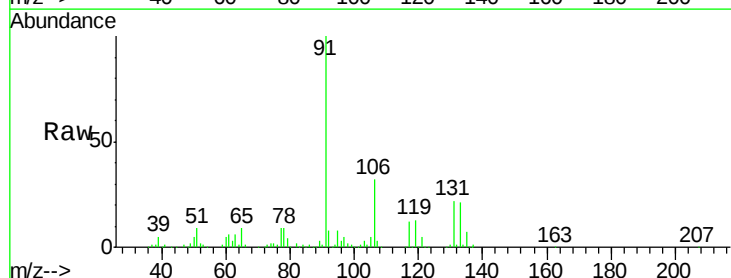
Manual Integrations
APPROVED

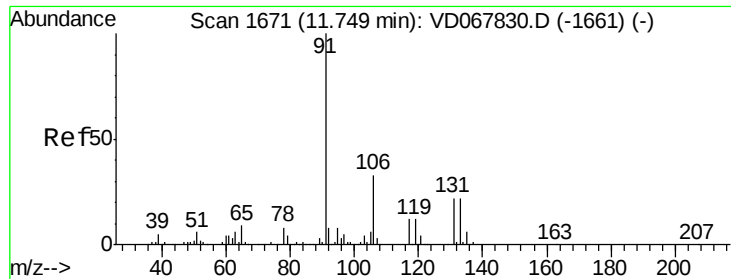
MMDadoda
12/9/2020 9:28:56 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.192 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067904.D
Acq: 08 Dec 2020 09:48

Tgt Ion:131 Resp: 117263
Ion Ratio Lower Upper
131 100
133 96.2 49.9 149.7
119 54.5 29.6 88.9





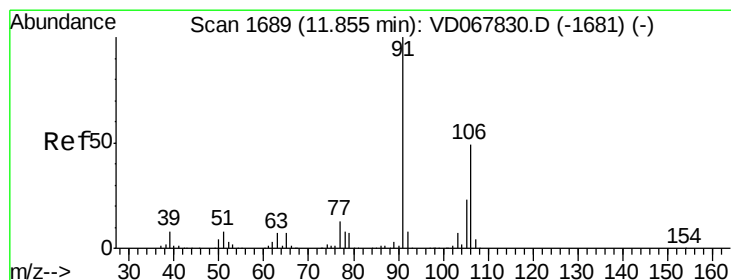
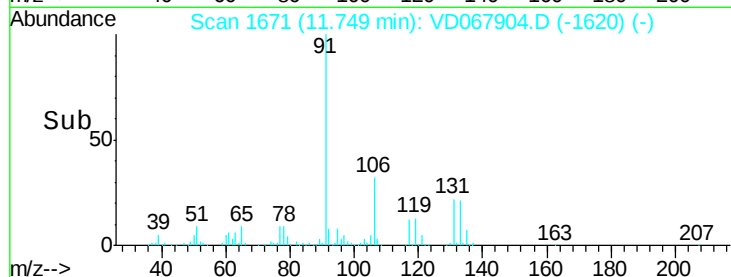
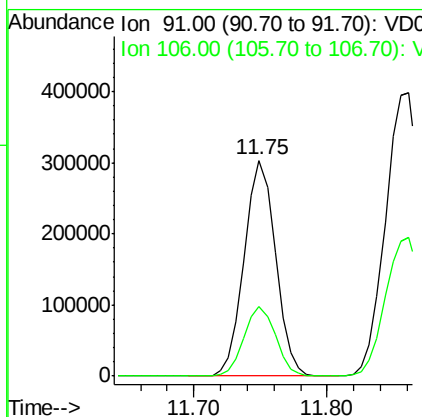
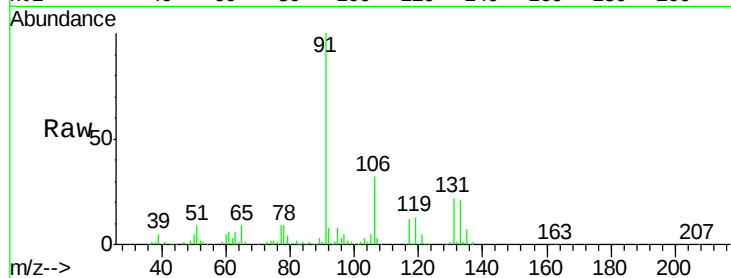
#67
Ethyl Benzene
Concen: 52.573 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067904.D
Acq: 08 Dec 2020 09:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 493345
Ion Ratio Lower Upper
91 100
106 32.3 26.2 39.2

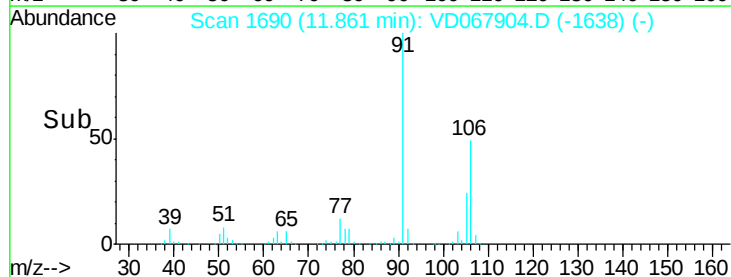
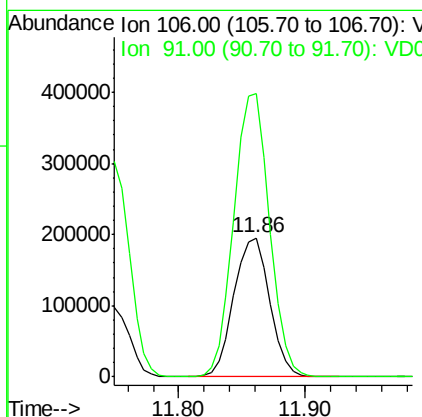
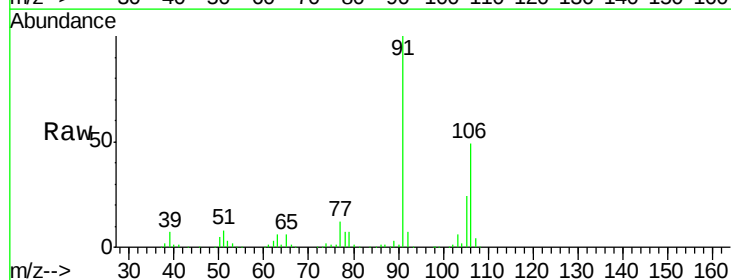
Manual Integrations
APPROVED

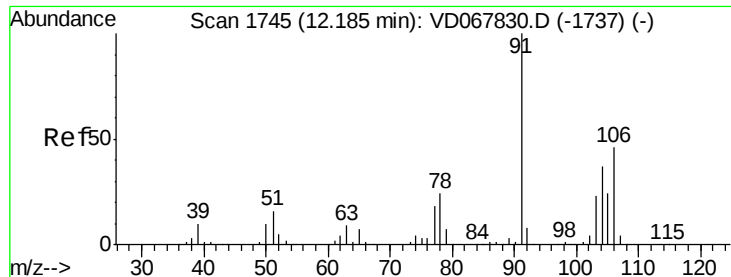
MMDadoda
12/9/2020 9:28:56 AM



#68
m/p-Xylenes
Concen: 103.320 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD067904.D
Acq: 08 Dec 2020 09:48

Tgt Ion: 106 Resp: 382302
Ion Ratio Lower Upper
106 100
91 203.0 162.8 244.2





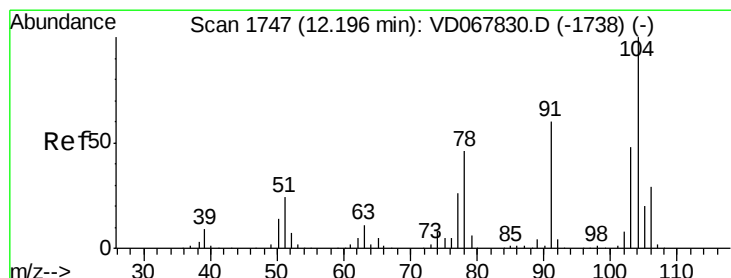
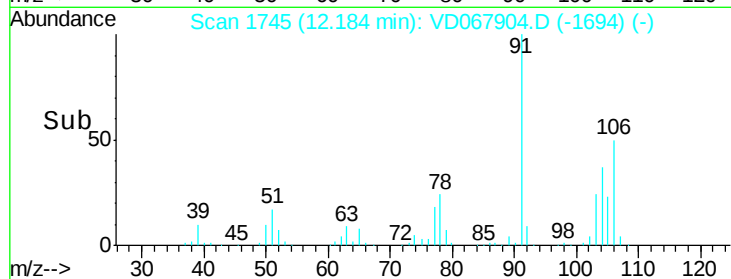
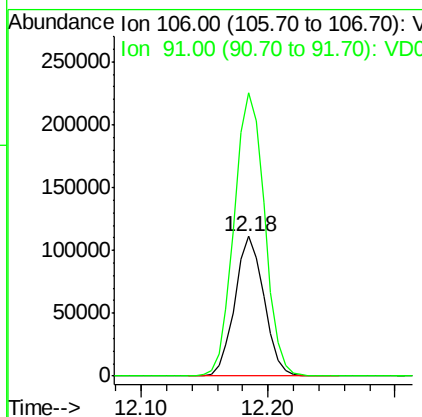
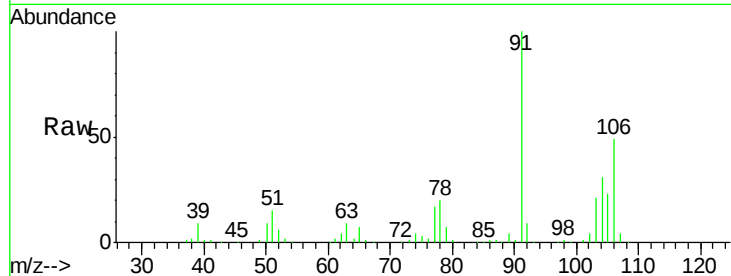
#69
o-Xylene
Concen: 53.791 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067904.D
Acq: 08 Dec 2020 09:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	211.5	107.5	322.5	

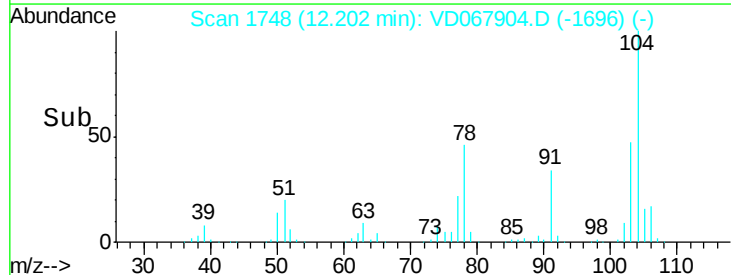
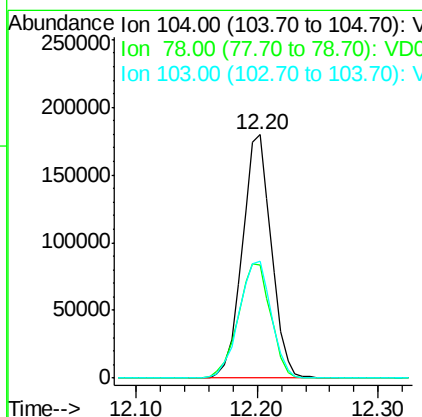
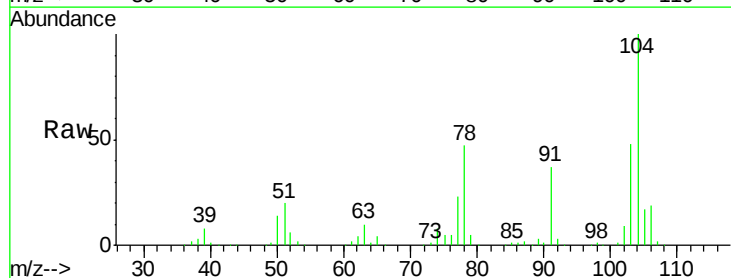
Manual Integrations
APPROVED

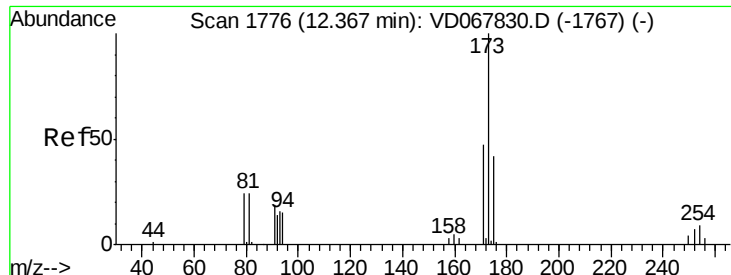
MMDadoda
12/9/2020 9:28:56 AM



#70
Styrene
Concen: 52.707 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD067904.D
Acq: 08 Dec 2020 09:48

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	52.8	41.6	62.4	
103	53.2	43.2	64.8	





#71

Bromoform

Concen: 52.342 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD067904.D

Acq: 08 Dec 2020 09:48

Instrument :

MSVOA_D

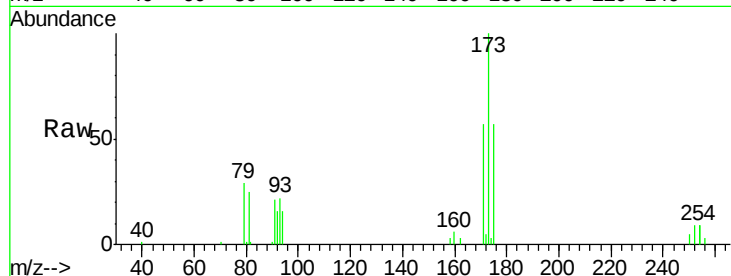
ClientSampleId :

VSTDCCC050

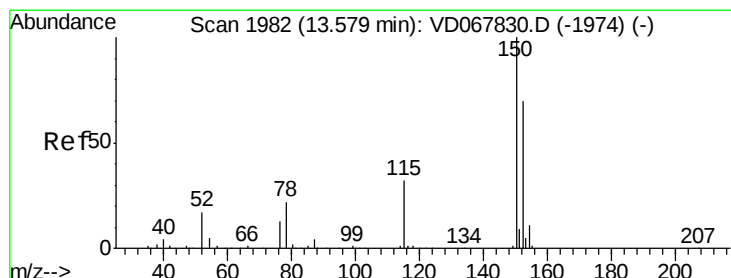
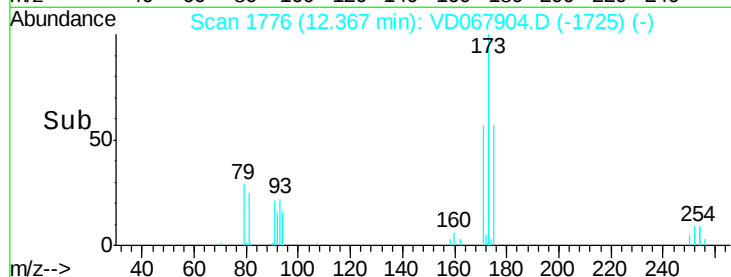
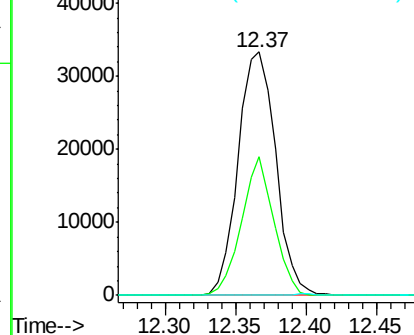
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	23.4	70.3
254	0.0	0.1	0.1

Manual Integrations
APPROVED

MMDadoda
12/9/2020 9:28:56 AM



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

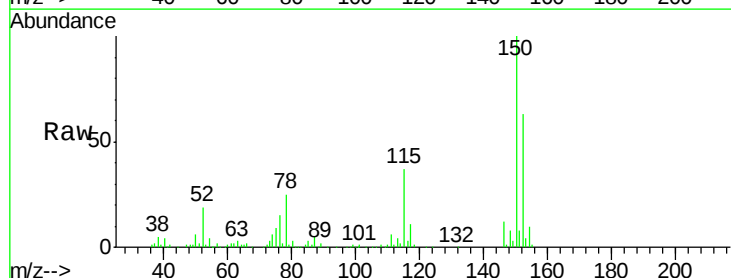
RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

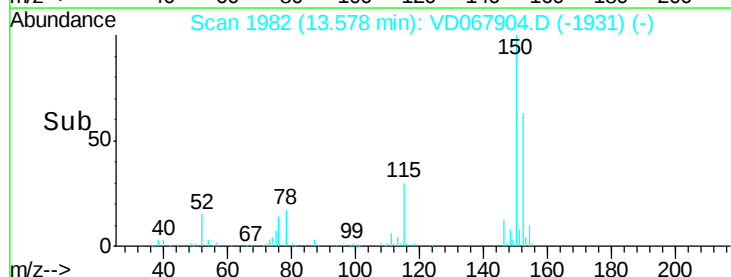
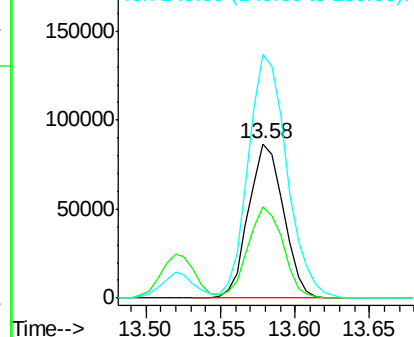
Lab File: VD067904.D

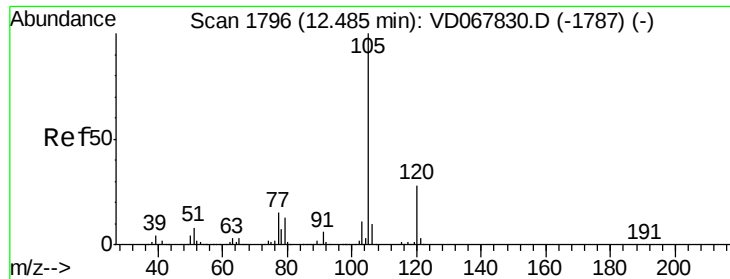
Acq: 08 Dec 2020 09:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.3	29.1	87.4
150	174.9	0.0	339.0



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: 51.412 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD067904.D

Acq: 08 Dec 2020 09:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 495351

Ion Ratio Lower Upper

105 100

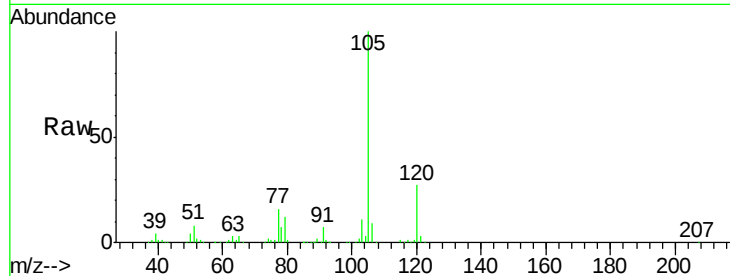
120 27.1 13.9 41.6

Manual Integrations

APPROVED

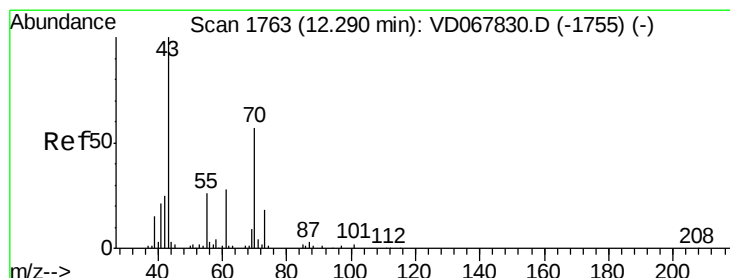
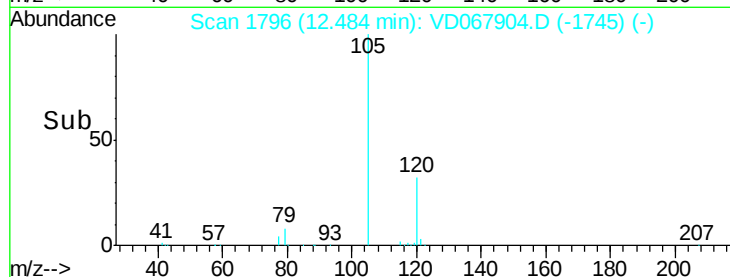
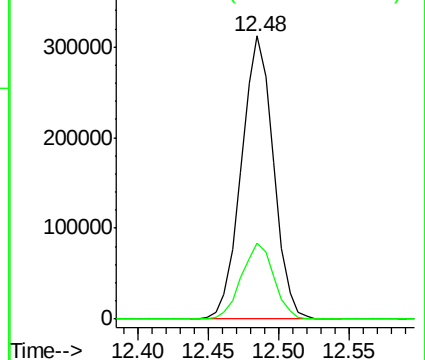
MMDadoda

12/9/2020 9:28:56 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.782 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD067904.D

Acq: 08 Dec 2020 09:48

Tgt Ion: 43 Resp: 58138

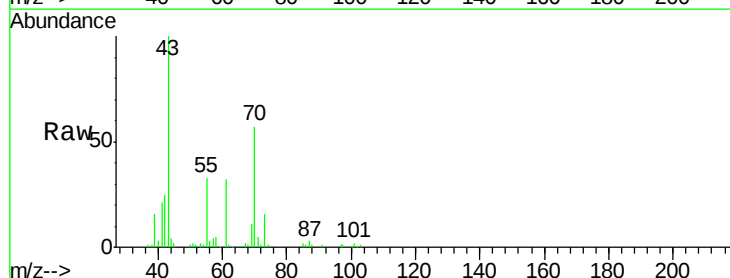
Ion Ratio Lower Upper

43 100

70 57.1 44.6 66.8

55 32.1 22.2 33.2

61 29.0 22.7 34.1

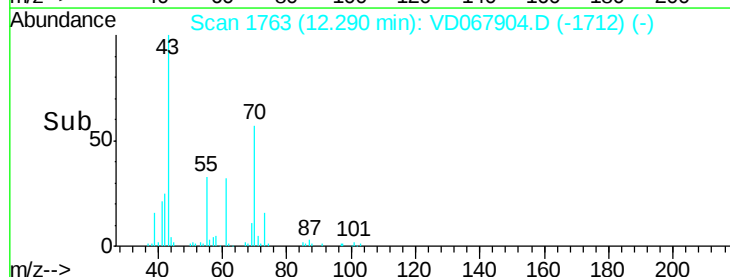
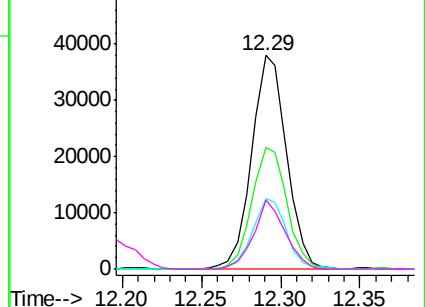


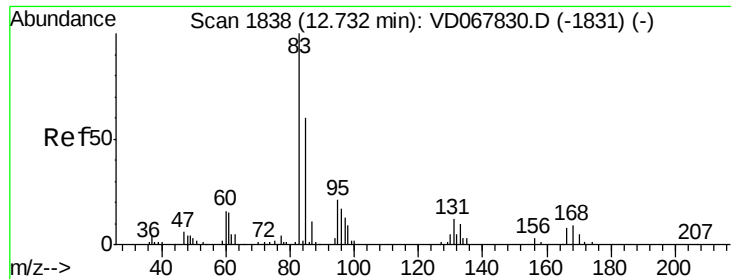
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 47.105 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD067904.D

Acq: 08 Dec 2020 09:48

Instrument :

MSVOA_D

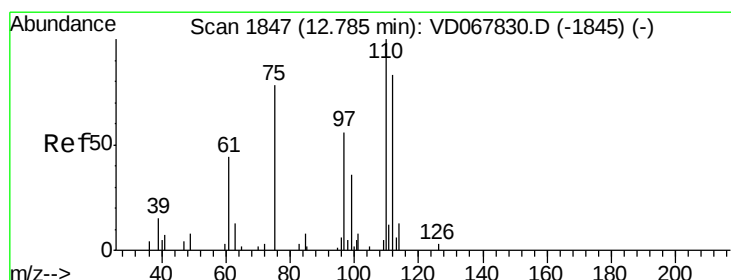
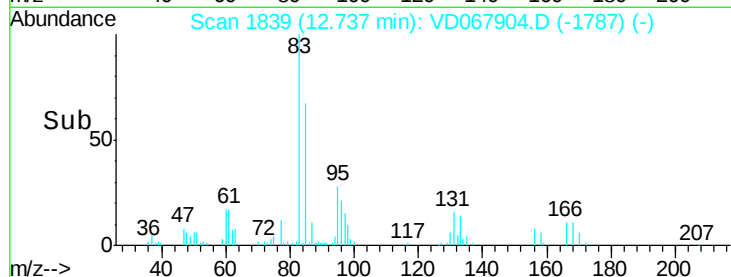
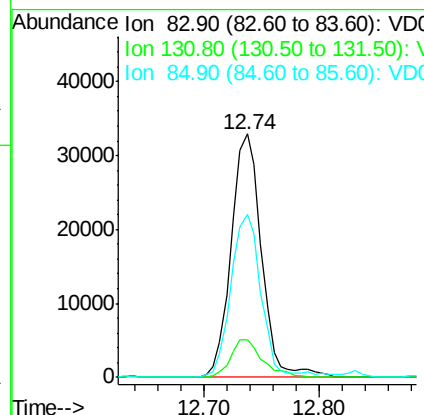
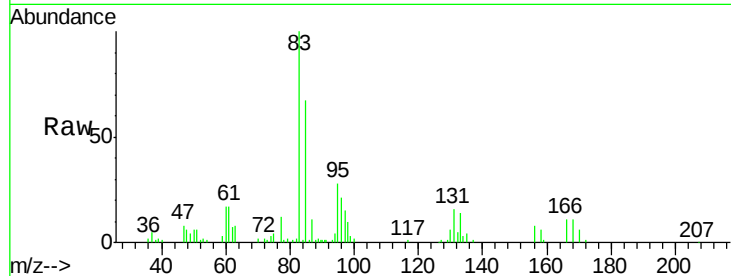
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	59919
Ion Ratio	Lower	Upper	
83	100		
131	16.3	8.0	24.0
85	65.5	31.7	95.1

Manual Integrations
APPROVED

MMDadoda
12/9/2020 9:28:56 AM



#76

1,2,3-Trichloropropane

Concen: 50.001 ug/l m

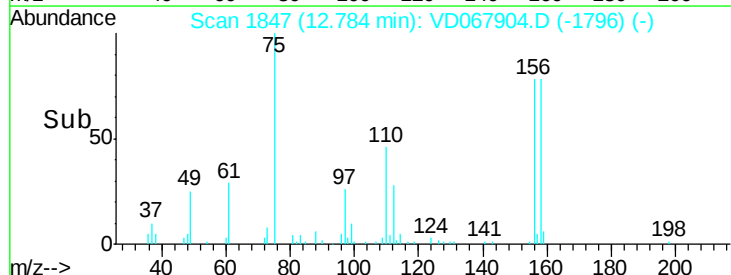
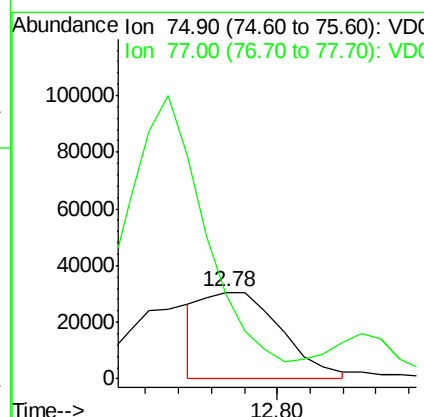
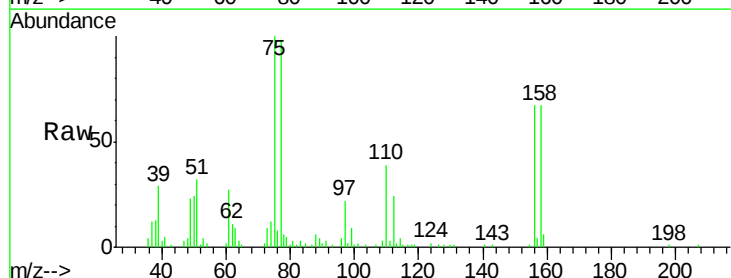
RT: 12.78 min Scan# 1847

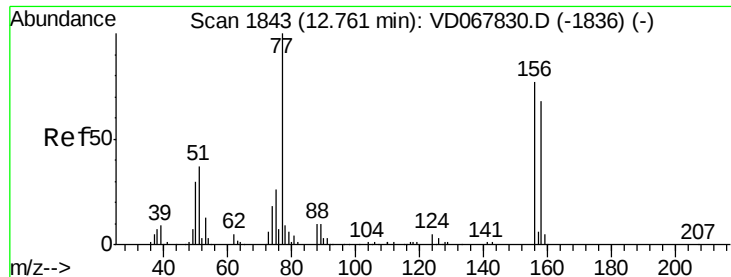
Delta R.T. -0.00 min

Lab File: VD067904.D

Acq: 08 Dec 2020 09:48

Tgt Ion:	75	Resp:	51015
Ion Ratio	Lower	Upper	
75	100		
77	343.2	175.9	527.7





#77

Bromobenzene

Concen: 51.780 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD067904.D

Acq: 08 Dec 2020 09:48

Instrument :

MSVOA_D

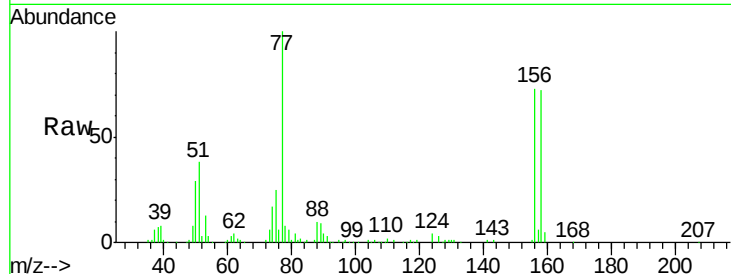
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	141.2	71.5	214.5
158	97.6	47.1	141.4

Manual Integrations
APPROVED

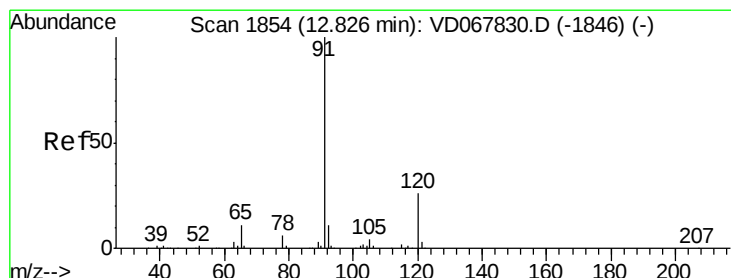
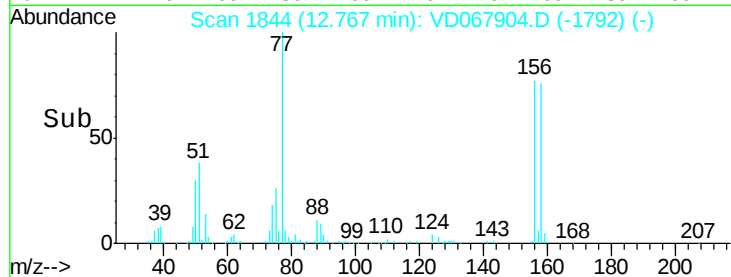
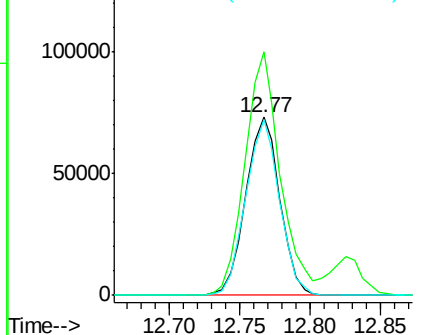
MMDadoda
12/9/2020 9:28:56 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.004 ug/l

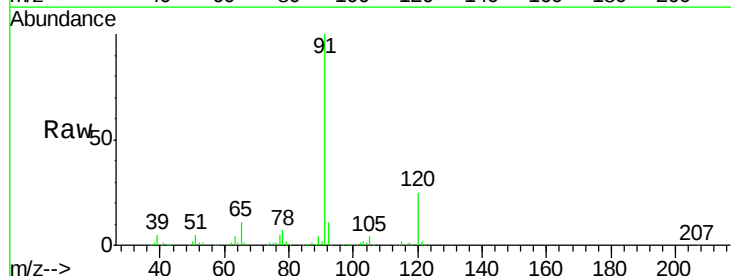
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD067904.D

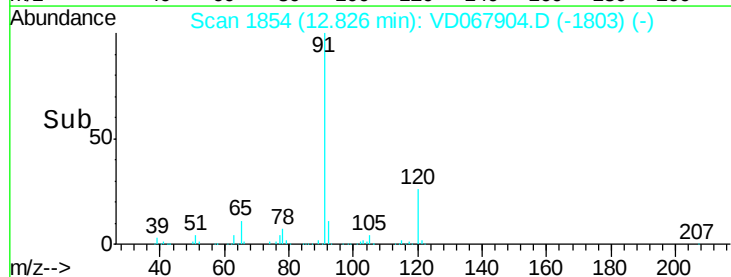
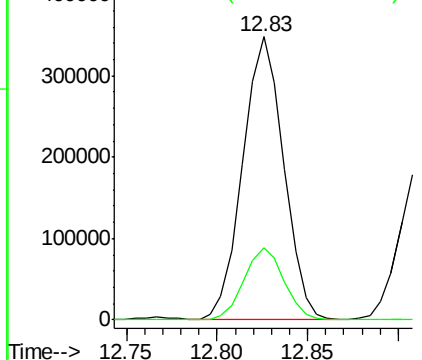
Acq: 08 Dec 2020 09:48

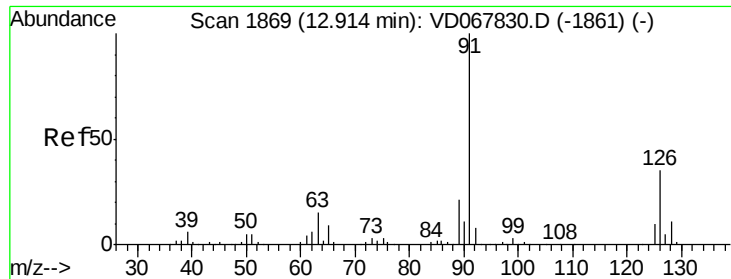
Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.0	12.7	38.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





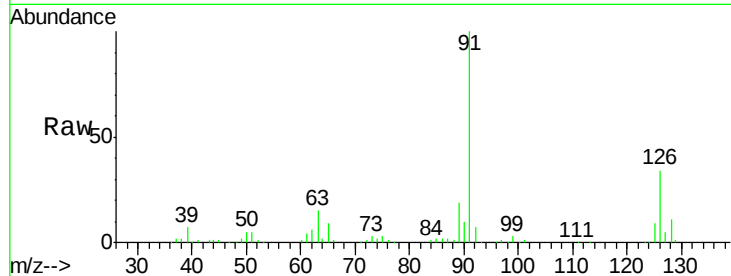
#79
 2-Chlorotoluene
 Concen: 51.172 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD067904.D
 Acq: 08 Dec 2020 09:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

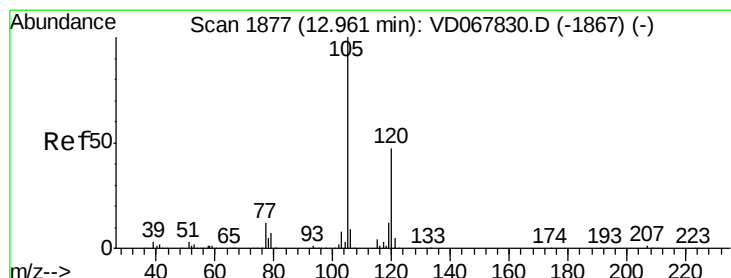
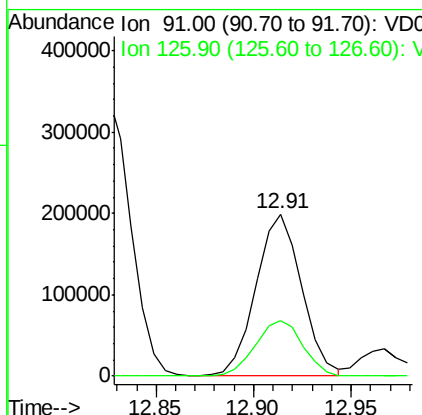
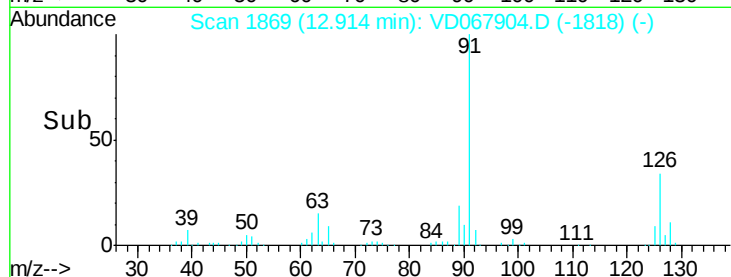
Tot Ion: 91 Resp: 321480
 Ion Ratio Lower Upper
 91 100
 126 35.7 17.9 53.7

Manual Integrations
 APPROVED

MMDadoda
 12/9/2020 9:28:56 AM

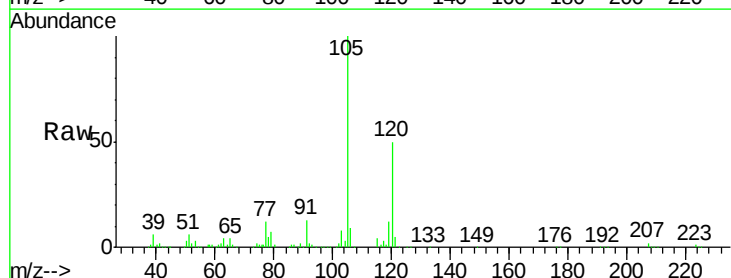


Abundance Ion 91.00 (90.70 to 91.70): VD067830.D (-1861) (-)
 Ion 125.90 (125.60 to 126.60): VD067904.D (-1818) (-)

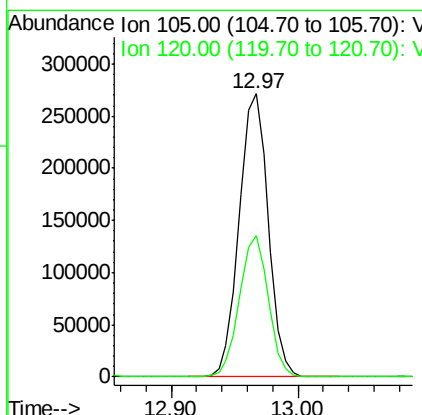
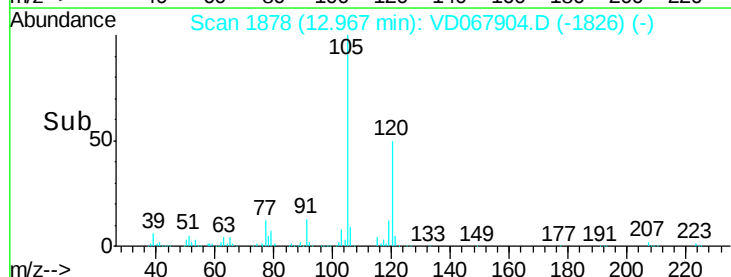


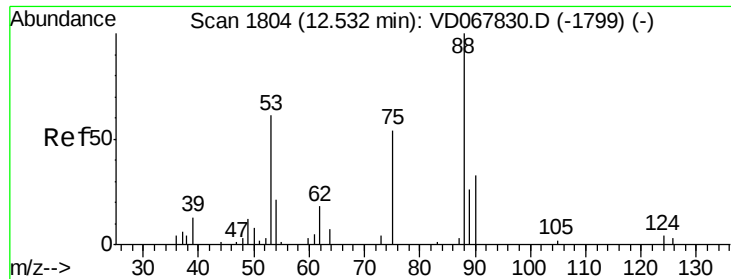
#80
 1,3,5-Trimethylbenzene
 Concen: 51.771 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.01 min
 Lab File: VD067904.D
 Acq: 08 Dec 2020 09:48

Tgt Ion: 105 Resp: 431867
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VD067830.D (-1867) (-)
 Ion 120.00 (119.70 to 120.70): VD067904.D (-1826) (-)





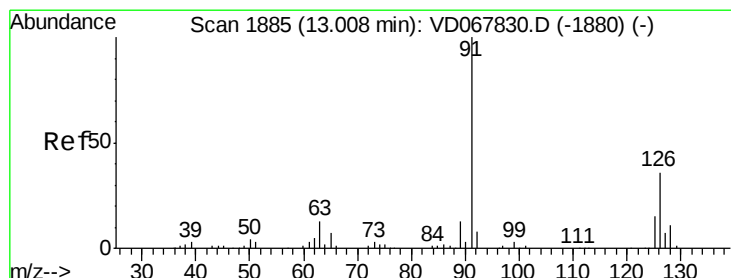
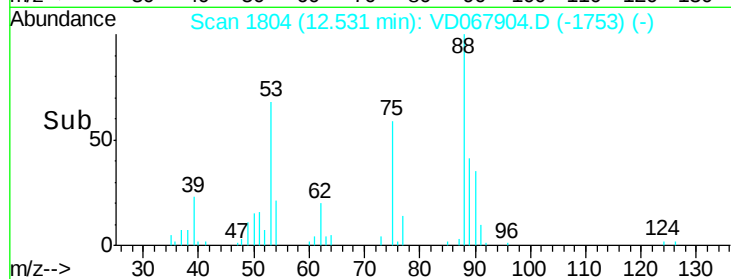
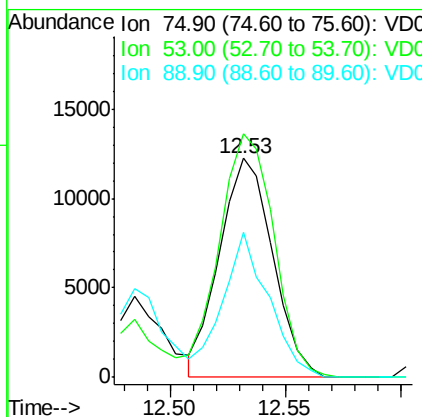
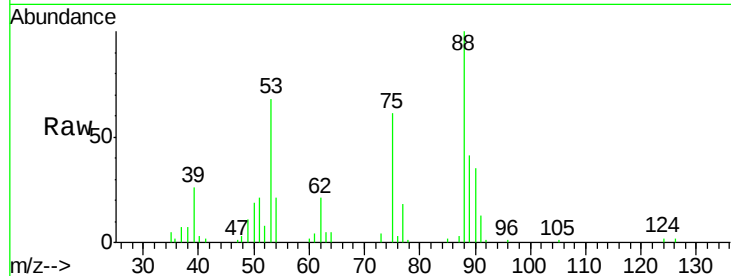
#81
trans-1,4-Dichloro-2-butene
Concen: 46.028 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD067904.D
Acq: 08 Dec 2020 09:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	115.4	84.6	127.0
89	57.4	41.0	61.6

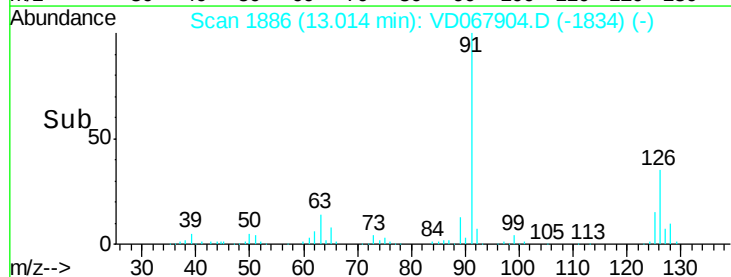
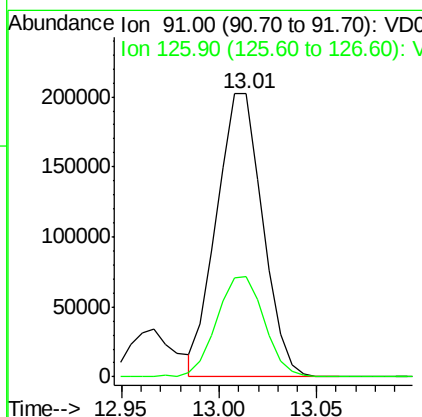
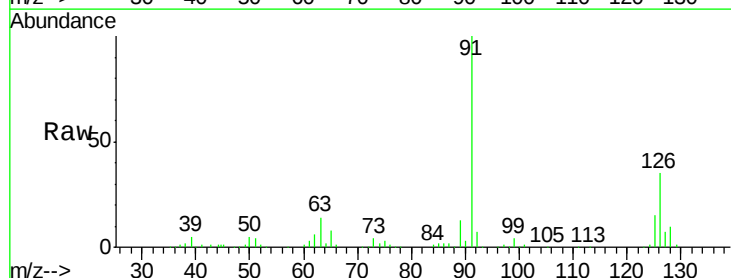
Manual Integrations
APPROVED

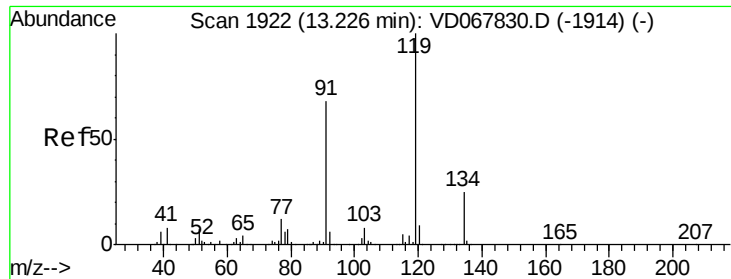
MMDadoda
12/9/2020 9:28:56 AM



#82
4-Chlorotoluene
Concen: 49.510 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VD067904.D
Acq: 08 Dec 2020 09:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.5	18.1	54.4





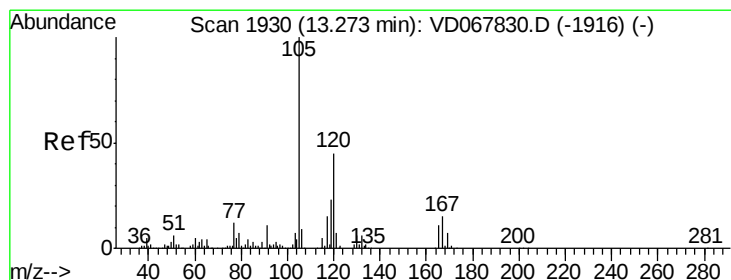
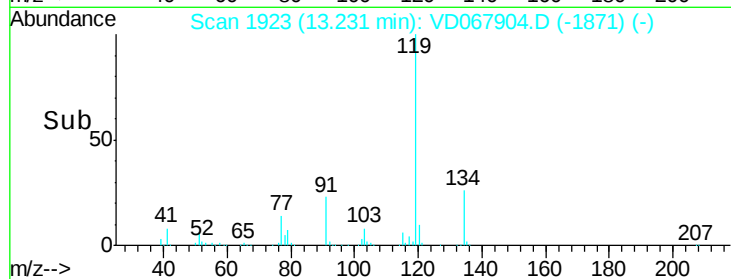
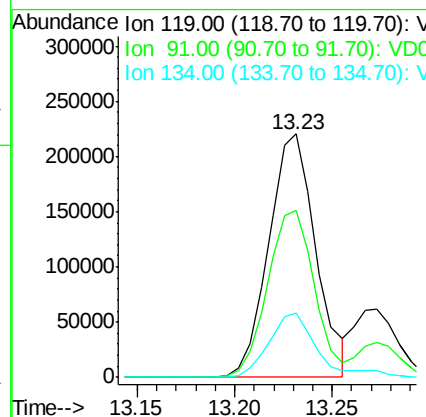
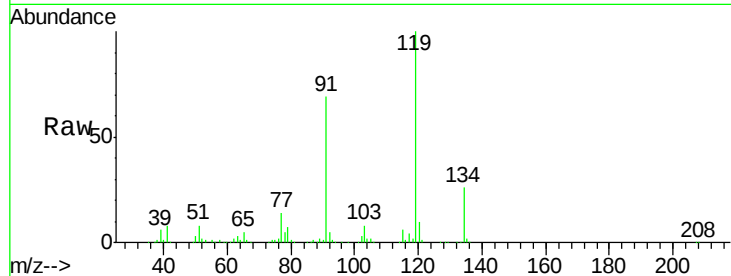
#83
tert-Butylbenzene
Concen: 51.768 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD067904.D
Acq: 08 Dec 2020 09:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.1	33.1	99.3
134	27.5	13.6	40.8

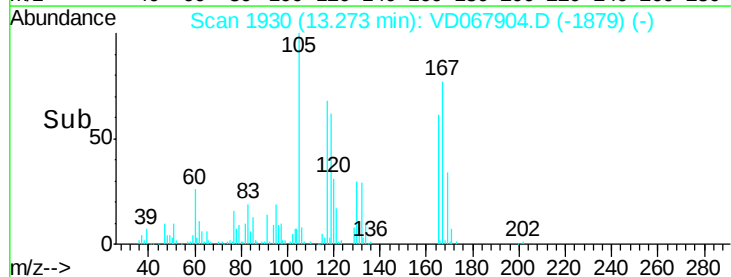
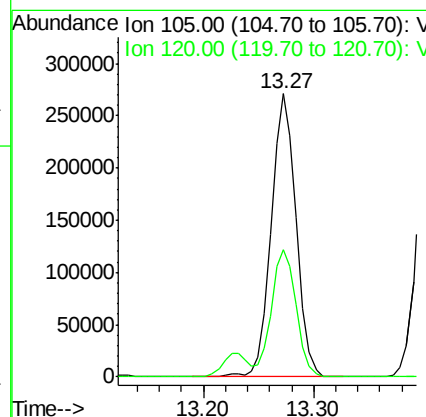
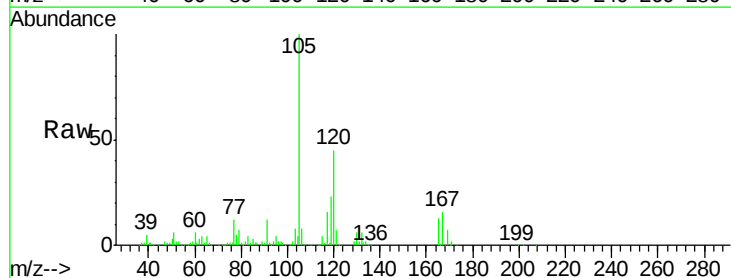
Manual Integrations
APPROVED

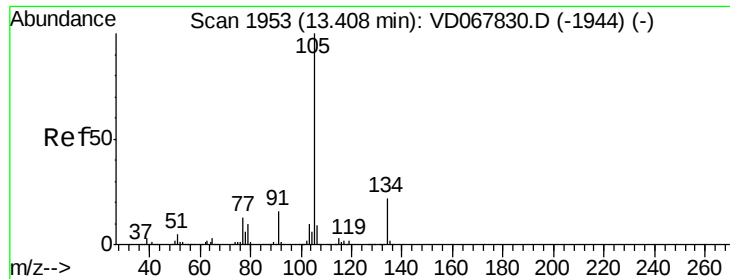
MMDadoda
12/9/2020 9:28:56 AM



#84
1,2,4-Trimethylbenzene
Concen: 51.375 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD067904.D
Acq: 08 Dec 2020 09:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.1	66.5





#85

sec-Butylbenzene

Concen: 50.736 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD067904.D

Acq: 08 Dec 2020 09:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 480703

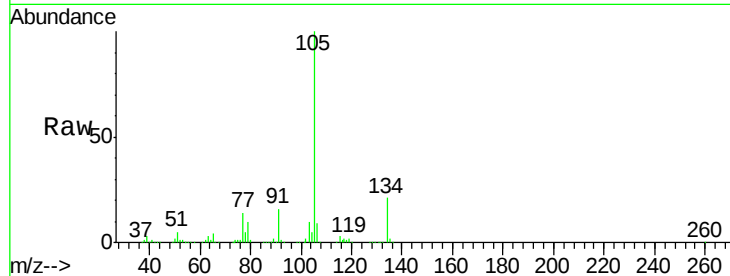
Ion Ratio Lower Upper

105 100

134 21.3 10.9 32.9

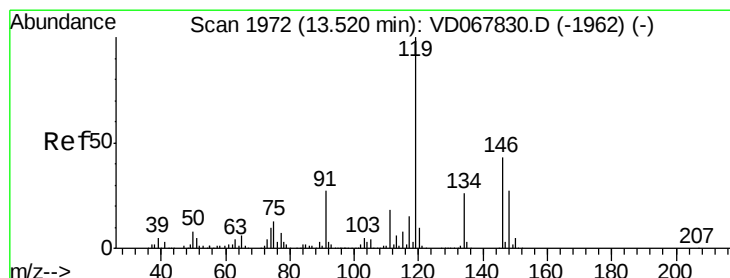
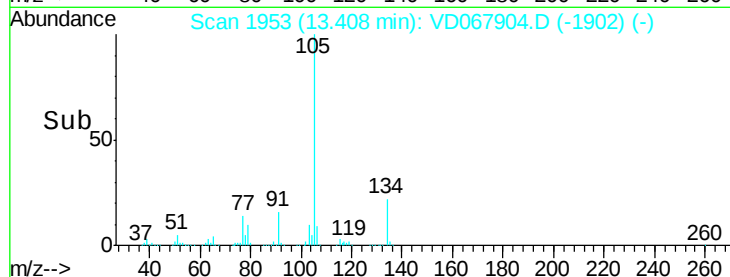
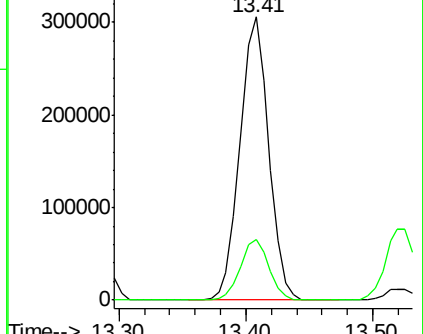
Manual Integrations
APPROVED

MMDadoda
12/9/2020 9:28:56 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.726 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067904.D

Acq: 08 Dec 2020 09:48

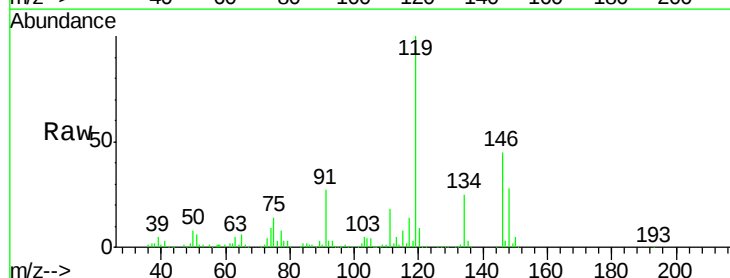
Tgt Ion:119 Resp: 471024

Ion Ratio Lower Upper

119 100

134 26.5 13.1 39.3

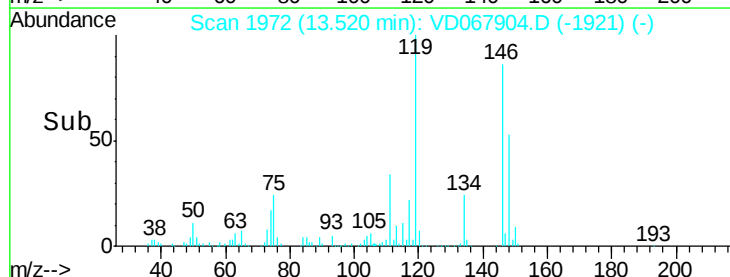
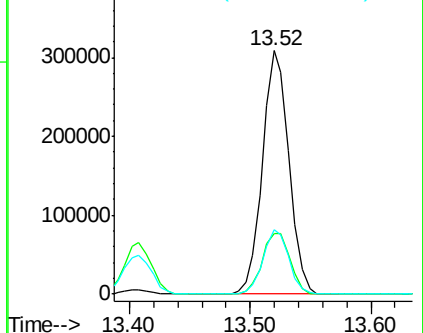
91 25.9 12.8 38.3

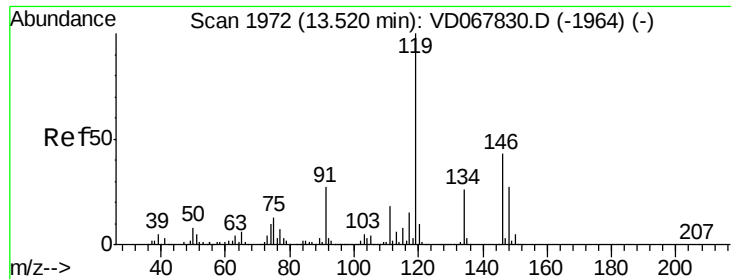


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





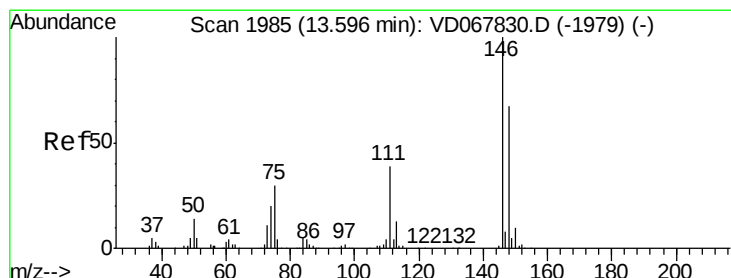
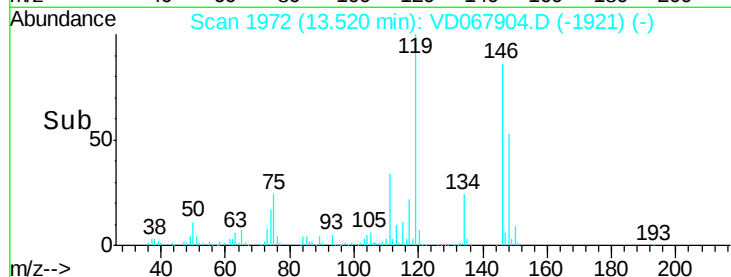
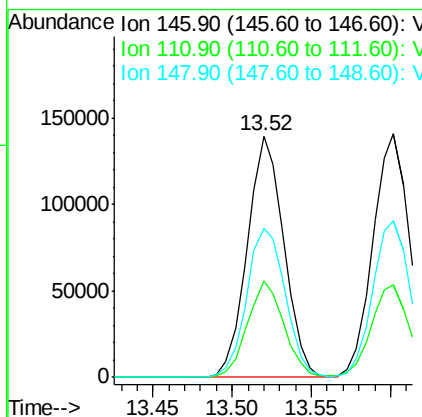
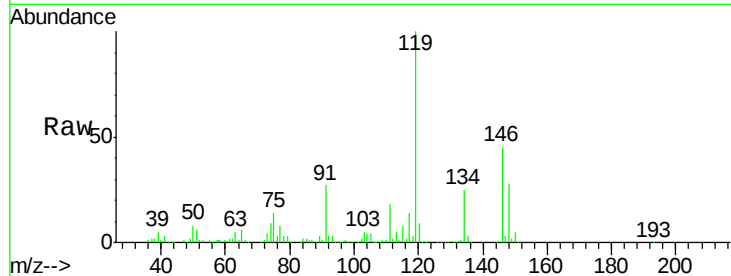
#87
 1,3-Dichlorobenzene
 Concen: 48.509 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067904.D
 Acq: 08 Dec 2020 09:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.8	62.2
148	65.1	32.9	98.6

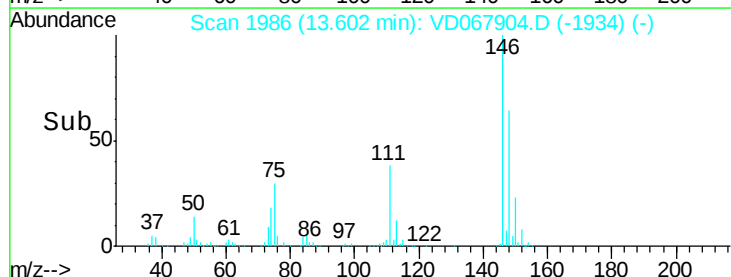
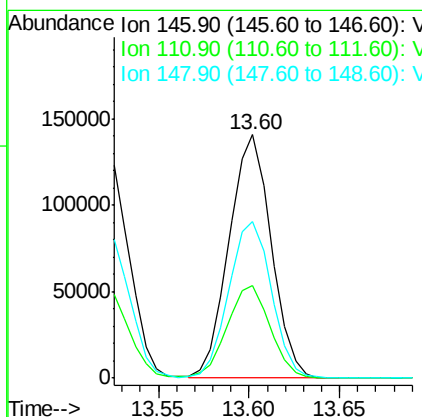
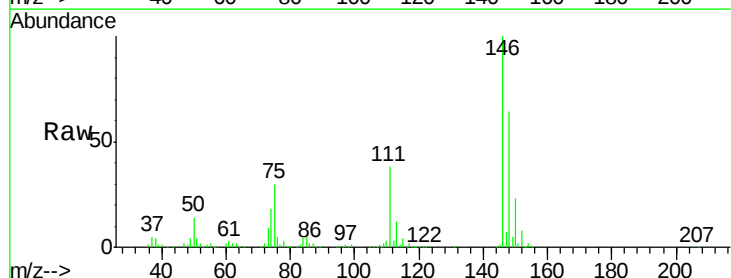
Manual Integrations
 APPROVED

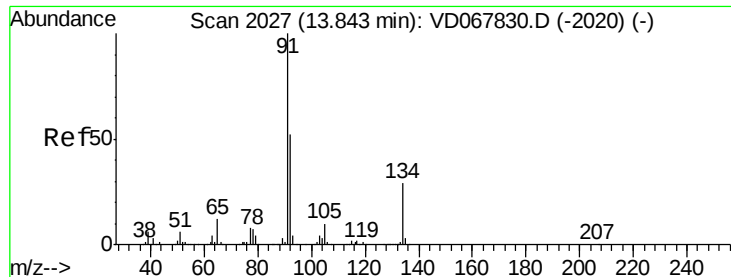
MMDadoda
 12/9/2020 9:28:56 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.244 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD067904.D
 Acq: 08 Dec 2020 09:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.9	59.6
148	65.3	32.4	97.2





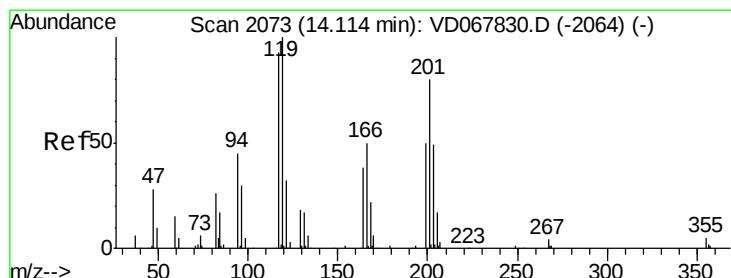
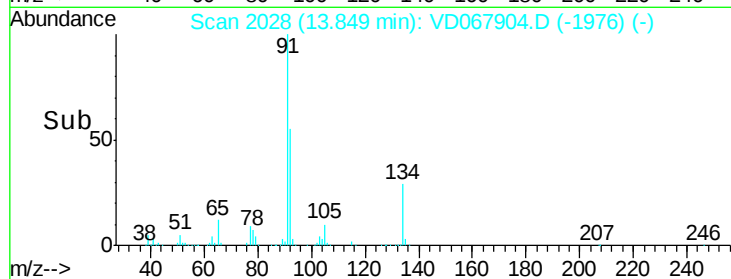
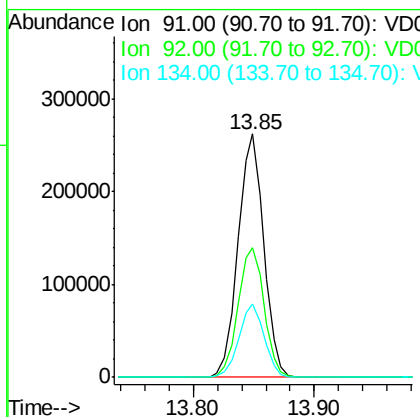
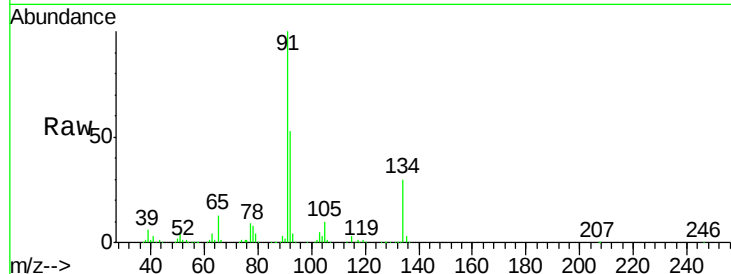
#89
n-Butylbenzene
Concen: 50.438 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD067904.D
Acq: 08 Dec 2020 09:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.3	78.8
134	29.9	14.8	44.3

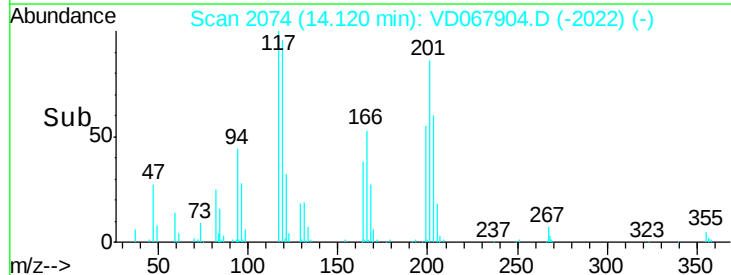
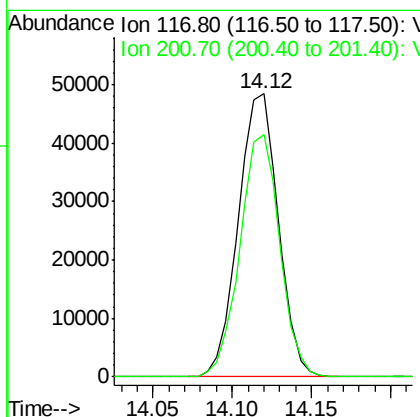
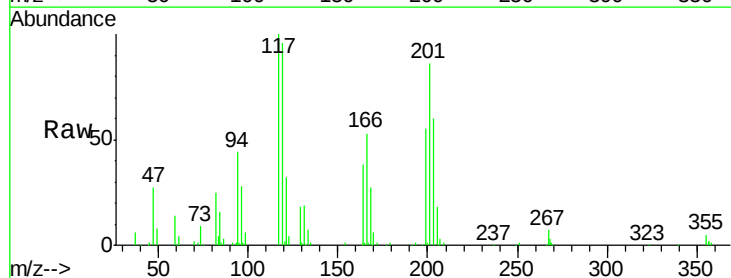
Manual Integrations
APPROVED

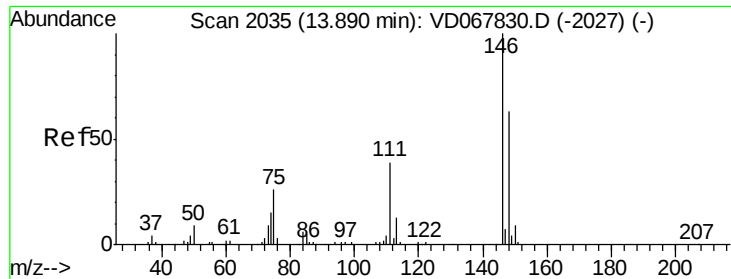
MMDadoda
12/9/2020 9:28:56 AM



#90
Hexachloroethane
Concen: 49.504 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD067904.D
Acq: 08 Dec 2020 09:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.3	43.9	131.6





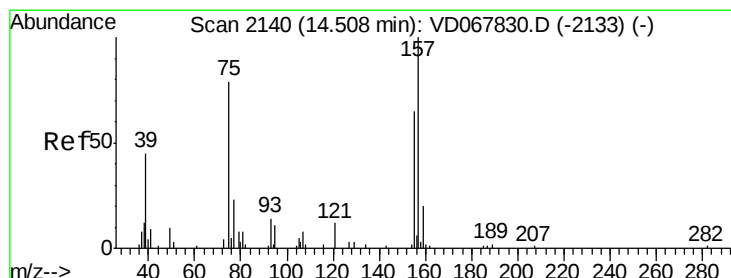
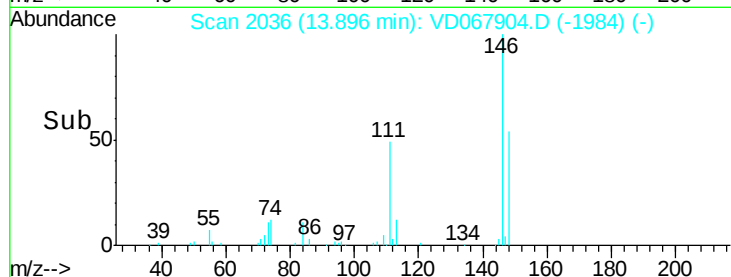
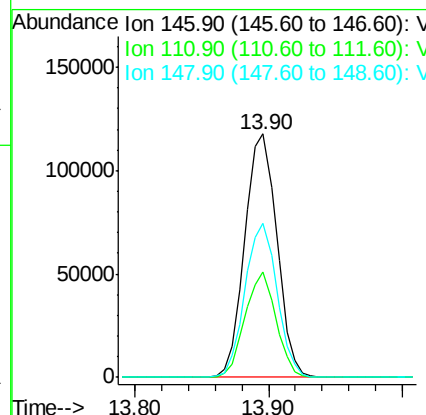
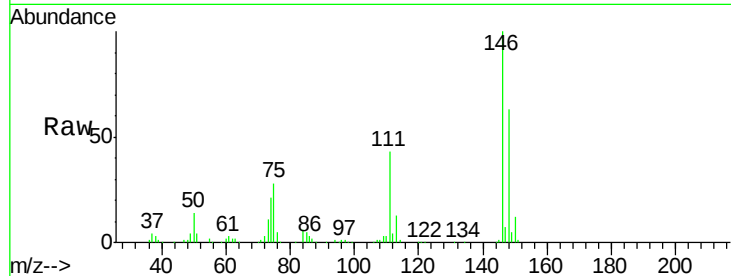
#91
 1,2-Dichlorobenzene
 Concen: 48.924 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: VD067904.D
 Acq: 08 Dec 2020 09:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.4	61.2
148	63.0	32.1	96.3

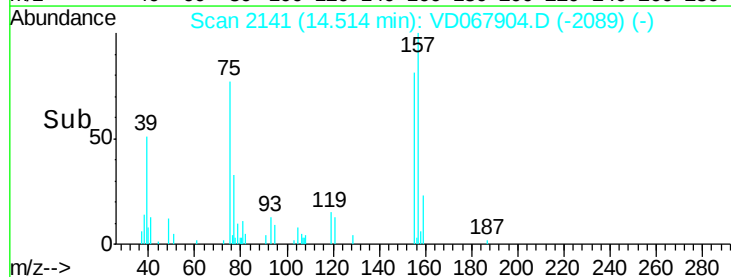
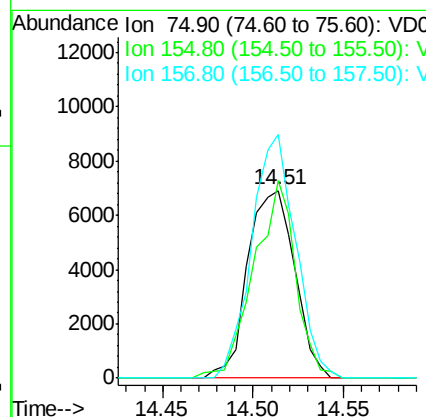
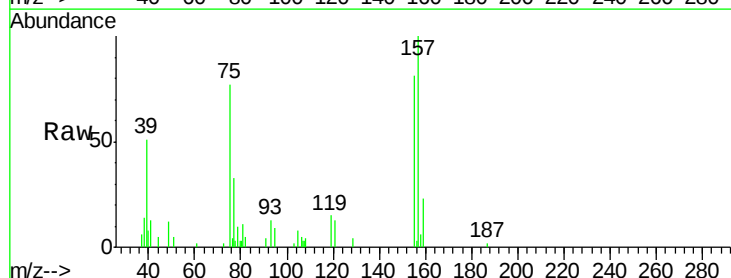
Manual Integrations
 APPROVED

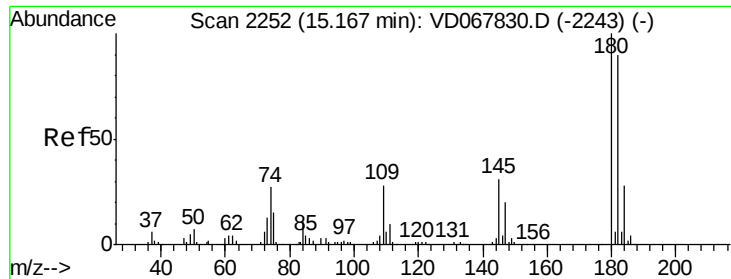
MMDadoda
 12/9/2020 9:28:56 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.040 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD067904.D
 Acq: 08 Dec 2020 09:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.6	44.1	132.4
157	120.9	62.4	187.2





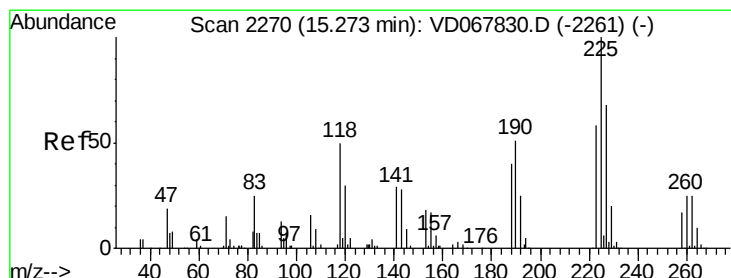
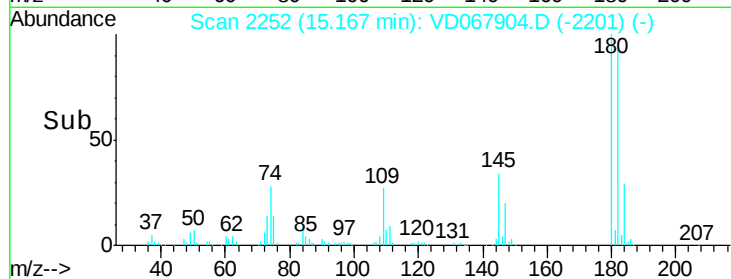
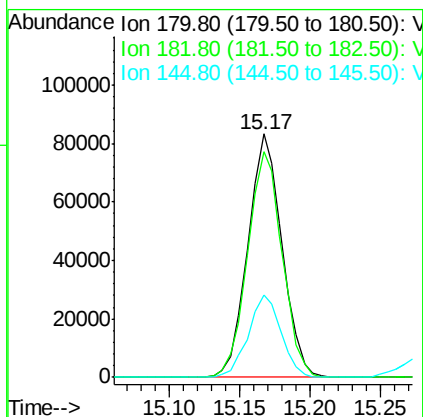
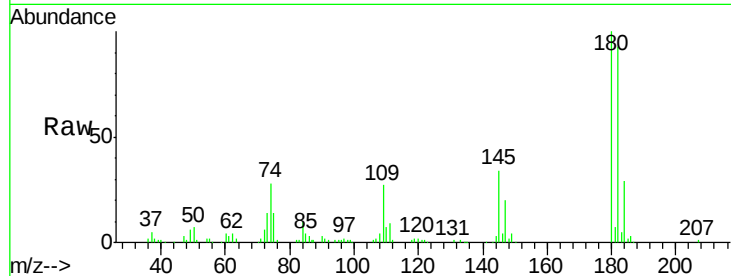
#93
 1,2,4-Trichlorobenzene
 Concen: 50.302 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD067904.D
 Acq: 08 Dec 2020 09:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.5	142.6
145	32.8	16.4	49.4

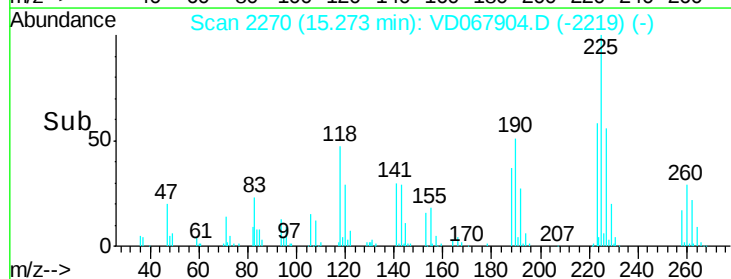
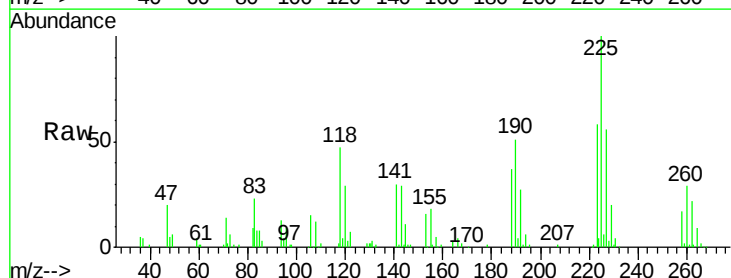
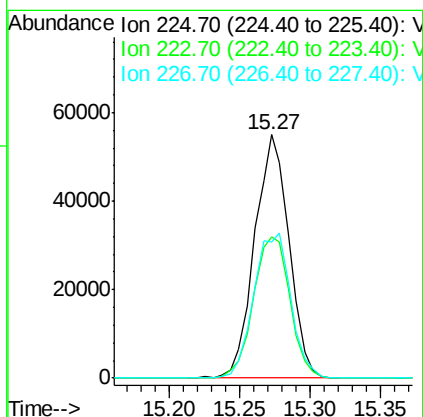
Manual Integrations
 APPROVED

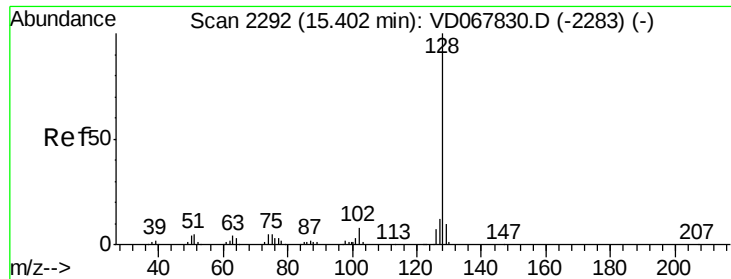
MMDadoda
 12/9/2020 9:28:56 AM



#94
 Hexachlorobutadiene
 Concen: 51.314 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD067904.D
 Acq: 08 Dec 2020 09:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	31.1	93.3
227	64.2	33.1	99.3





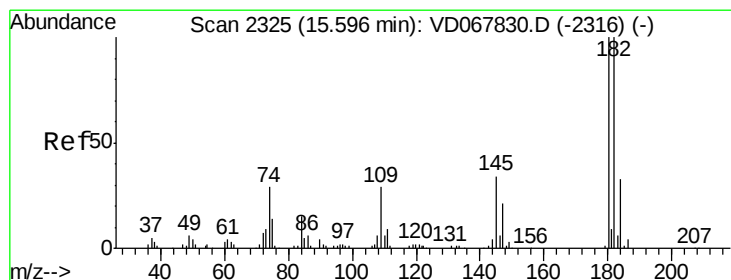
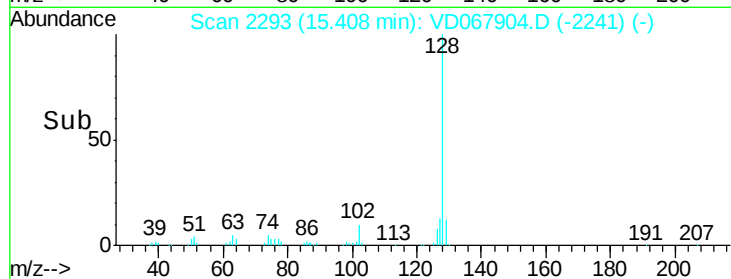
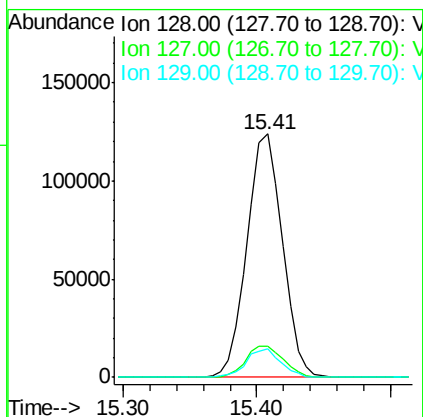
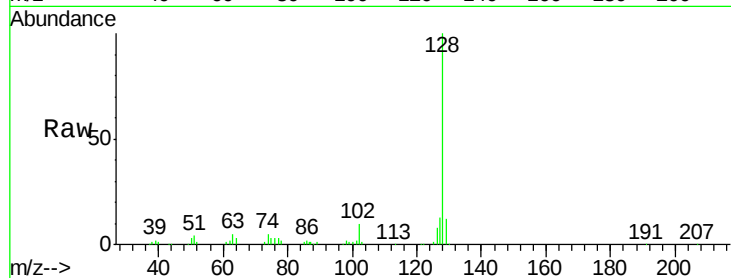
#95
Naphthalene
Concen: 49.852 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VD067904.D
Acq: 08 Dec 2020 09:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	15.8
129	11.3	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
12/9/2020 9:28:56 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.268 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.01 min
Lab File: VD067904.D
Acq: 08 Dec 2020 09:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.3	142.0
145	33.8	16.8	50.4

