

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101420\
 Data File : VD067261.D
 Acq On : 14 Oct 2020 10:26
 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
 10/15/2020 12:18:43 PM

Quant Time: Oct 15 06:17:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 14 03:30:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	334351	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	492695	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	452456	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	222685	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	162294	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
35) Dibromofluoromethane	7.91	113	167342	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
50) Toluene-d8	10.34	98	606637	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
62) 4-Bromofluorobenzene	12.64	95	207895	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	144905	54.375	ug/l	94
3) Chloromethane	2.21	50	100726	47.868	ug/l	99
4) Vinyl Chloride	2.35	62	114224	49.473	ug/l	93
5) Bromomethane	2.77	94	91392	57.223	ug/l	100
6) Chloroethane	2.92	64	69194	48.123	ug/l	96
7) Trichlorofluoromethane	3.27	101	292449	50.303	ug/l	96
8) Diethyl Ether	3.71	74	61318	46.092	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.09	101	154572	50.043	ug/l	99
10) Methyl Iodide	4.30	142	145584	51.094	ug/l	98
11) Tert butyl alcohol	5.22	59	36824	202.846	ug/l #	84
12) 1,1-Dichloroethene	4.06	96	138580	50.220	ug/l	100
13) Acrolein	3.93	56	48772	244.172	ug/l	99
14) Allyl chloride	4.71	41	157136	49.725	ug/l	99
15) Acrylonitrile	5.42	53	112496	253.428	ug/l	97
16) Acetone	4.16	43	137136	292.323	ug/l	91
17) Carbon Disulfide	4.41	76	385024	48.944	ug/l	100
18) Methyl Acetate	4.72	43	49502	46.263	ug/l	95
19) Methyl tert-butyl Ether	5.47	73	271269	49.439	ug/l	98
20) Methylene Chloride	4.96	84	149406	49.692	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	159403	50.197	ug/l	95
22) Diisopropyl ether	6.36	45	297189	51.481	ug/l	95
23) Vinyl Acetate	6.30	43	881627	268.442	ug/l	98
24) 1,1-Dichloroethane	6.26	63	246877	49.960	ug/l	99
25) 2-Butanone	7.21	43	137148	256.469	ug/l	96
26) 2,2-Dichloropropane	7.21	77	258224	50.698	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	173914	49.971	ug/l	96
28) Bromochloromethane	7.54	49	83973	49.821	ug/l	100
29) Tetrahydrofuran	7.56	42	77399	260.375	ug/l	97
30) Chloroform	7.71	83	298884	50.631	ug/l	90
31) Cyclohexane	7.98	56	187356	48.561	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	292642	50.526	ug/l	97
36) 1,1-Dichloropropene	8.11	75	216351	51.809	ug/l	99
37) Ethyl Acetate	7.30	43	62693	51.027	ug/l #	93
38) Carbon Tetrachloride	8.10	117	281425	52.729	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101420\
 Data File : VD067261.D
 Acq On : 14 Oct 2020 10:26
 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
 10/15/2020 12:18:43 PM

Quant Time: Oct 15 06:17:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 14 03:30:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	234584	53.735	ug/l	99
40) Benzene	8.35	78	594109	51.859	ug/l	96
41) Methacrylonitrile	7.53	41	37363m	56.275	ug/l	
42) 1,2-Dichloroethane	8.43	62	182522	50.910	ug/l	98
43) Isopropyl Acetate	8.45	43	122229	50.137	ug/l	99
44) Trichloroethene	9.11	130	188291	51.334	ug/l	100
45) 1,2-Dichloropropane	9.38	63	136648	51.467	ug/l	99
46) Dibromomethane	9.48	93	84678	51.189	ug/l	95
47) Bromodichloromethane	9.67	83	229850	51.861	ug/l	96
48) Methyl methacrylate	9.46	41	59290	50.044	ug/l	98
49) 1,4-Dioxane	9.46	88	16773	1049.248	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	314223	258.415	ug/l	99
52) Toluene	10.41	92	414721	53.150	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	203653	52.308	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	231781	50.869	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	115833	51.350	ug/l	99
56) Ethyl methacrylate	10.66	69	126595	54.112	ug/l	96
57) 1,3-Dichloropropane	10.95	76	183278	51.054	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	330333	275.242	ug/l	100
59) 2-Hexanone	10.98	43	224759	270.500	ug/l	99
60) Dibromochloromethane	11.14	129	170049	51.691	ug/l	99
61) 1,2-Dibromoethane	11.25	107	115062	51.739	ug/l	100
64) Tetrachloroethene	10.88	164	166583	50.816	ug/l	92
65) Chlorobenzene	11.67	112	446669	51.481	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	178100	51.648	ug/l	98
67) Ethyl Benzene	11.75	91	791997	53.251	ug/l	98
68) m/p-Xylenes	11.86	106	611101	106.699	ug/l	99
69) o-Xylene	12.18	106	280507	52.891	ug/l	96
70) Styrene	12.20	104	480035	52.580	ug/l	99
71) Bromoform	12.37	173	94003	50.743	ug/l #	99
73) Isopropylbenzene	12.48	105	796894	56.385	ug/l	100
74) N-amyl acetate	12.30	43	114886	53.822	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	113583	52.451	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	87039m	56.394	ug/l	
77) Bromobenzene	12.77	156	187636	53.253	ug/l	98
78) n-propylbenzene	12.83	91	908125	55.458	ug/l	99
79) 2-Chlorotoluene	12.91	91	513844	54.111	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	679055	55.291	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	35155	51.652	ug/l	97
82) 4-Chlorotoluene	13.01	91	549322	54.503	ug/l	99
83) tert-Butylbenzene	13.23	119	575712	55.494	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	676014	55.691	ug/l	100
85) sec-Butylbenzene	13.41	105	777370	54.609	ug/l	100
86) p-Isopropyltoluene	13.53	119	745736	55.502	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	355829	52.467	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	354850	52.811	ug/l	99
89) n-Butylbenzene	13.85	91	663962	56.171	ug/l	99
90) Hexachloroethane	14.12	117	126782	54.072	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	315861	53.313	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	19741	50.179	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101420\
Data File : VD067261.D
Acq On : 14 Oct 2020 10:26
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
10/15/2020 12:18:43 PM

Quant Time: Oct 15 06:17:41 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 14 03:30:30 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	217992	54.572	ug/l	99
94) Hexachlorobutadiene	15.28	225	138578	55.865	ug/l	98
95) Naphthalene	15.41	128	360716	55.001	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	188860	54.727	ug/l	98

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

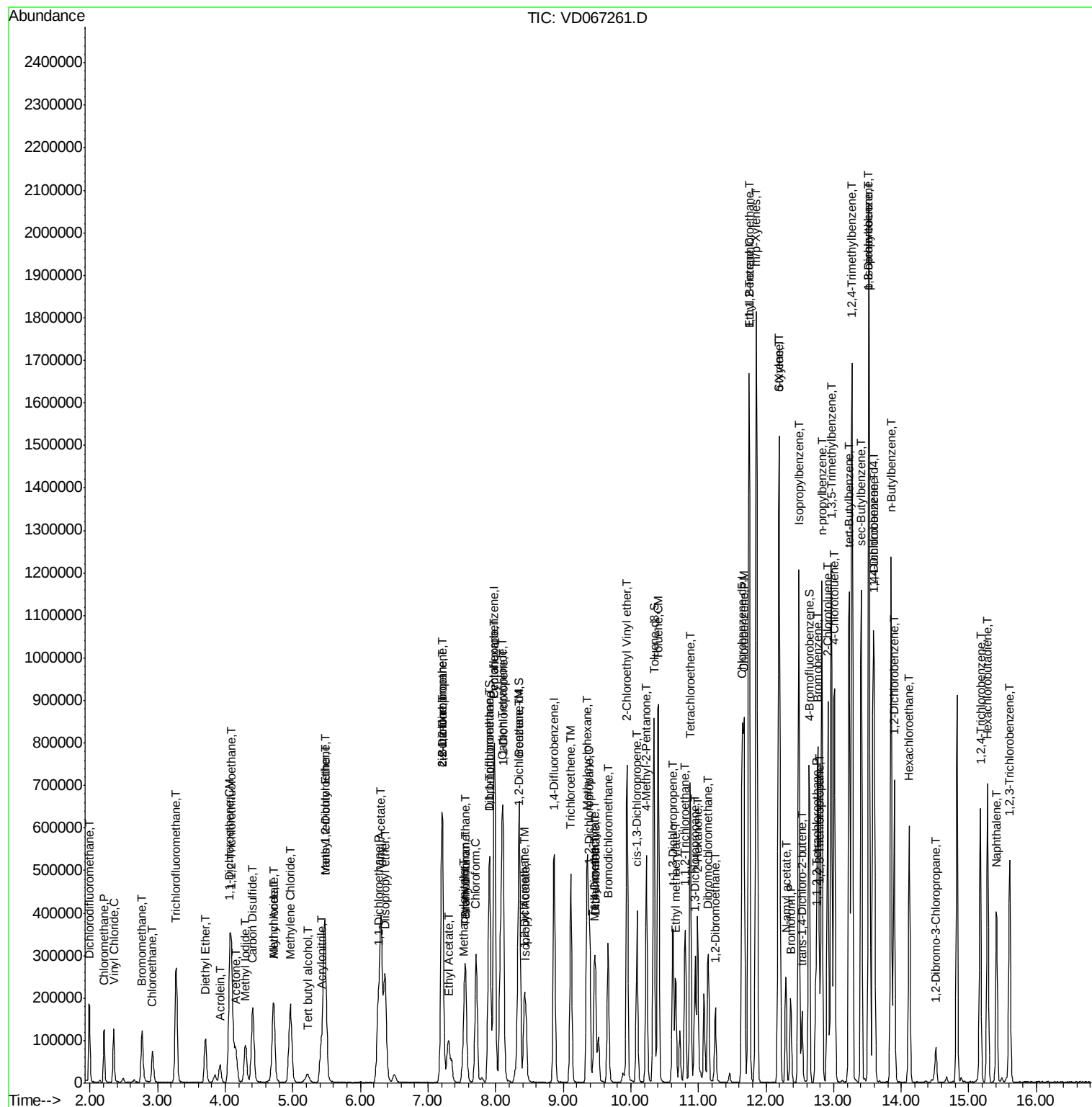
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101420\
Data File : VD067261.D
Acq On : 14 Oct 2020 10:26
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 2 Sample Multiplier: 1

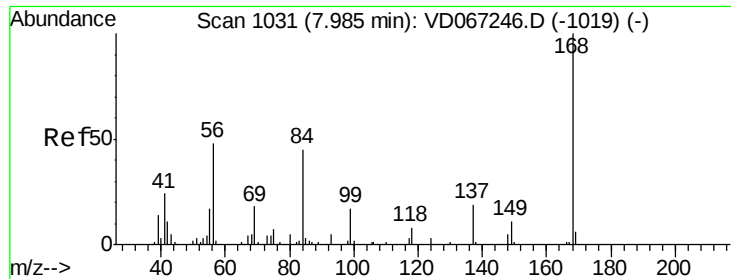
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
10/15/2020 12:18:43 PM

Quant Time: Oct 15 06:17:41 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 14 03:30:30 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067261.D

Acq: 14 Oct 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 334351

Ion Ratio Lower Upper

168 100

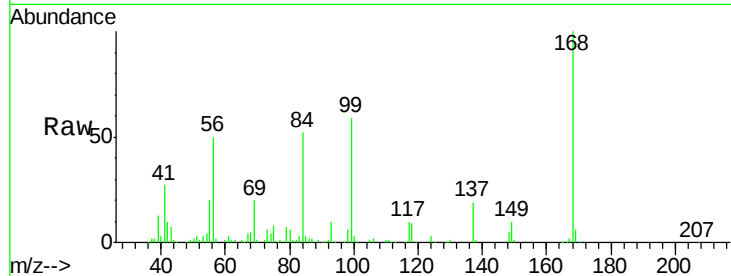
99 59.0 45.9 68.9

Manual Integrations

APPROVED

MMDadoda

10/15/2020 12:18:43 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

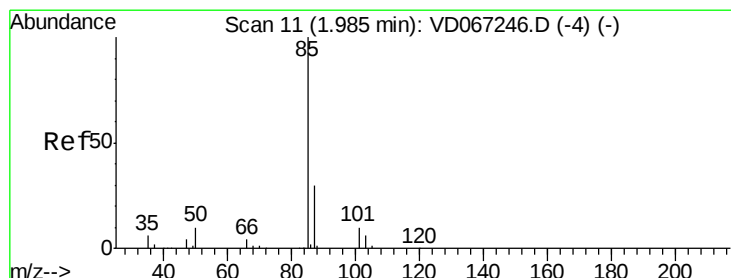
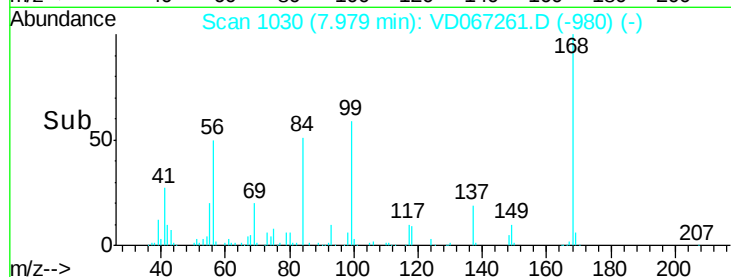
100000

50000

0

7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 54.375 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067261.D

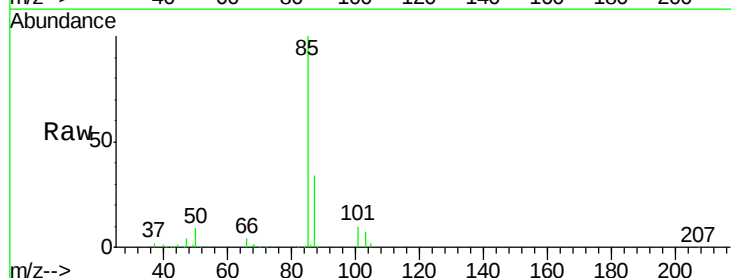
Acq: 14 Oct 2020 10:26

Tgt Ion: 85 Resp: 144905

Ion Ratio Lower Upper

85 100

87 33.6 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

120000

100000

80000

60000

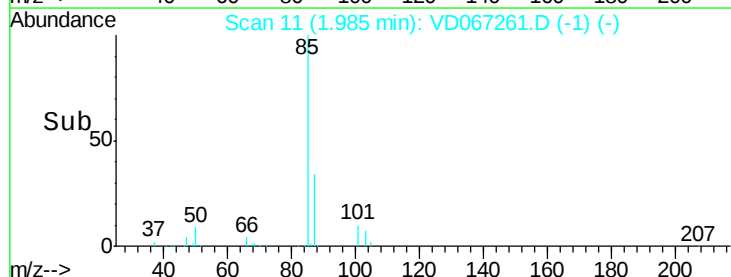
40000

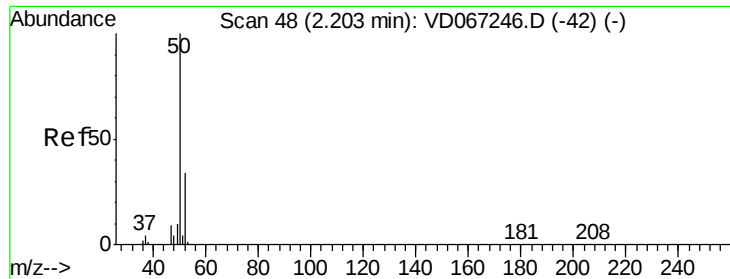
20000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 47.868 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067261.D

Acq: 14 Oct 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 100726

Ion Ratio Lower Upper

50 100

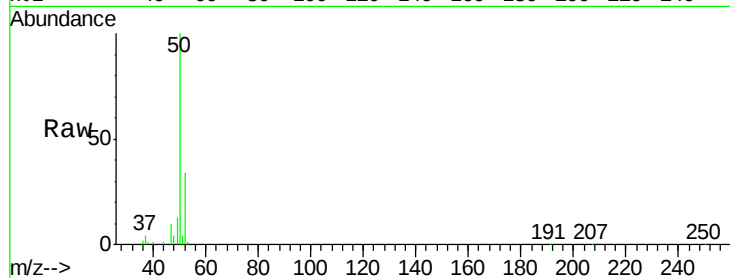
52 34.4 27.1 40.7

Manual Integrations

APPROVED

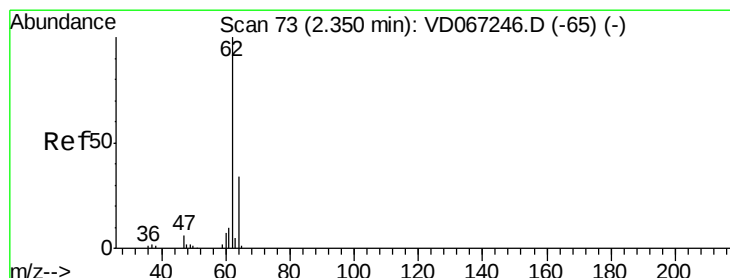
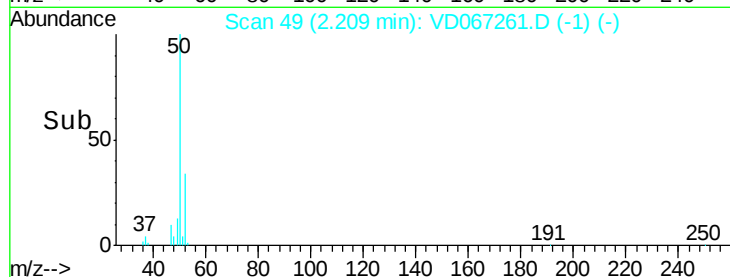
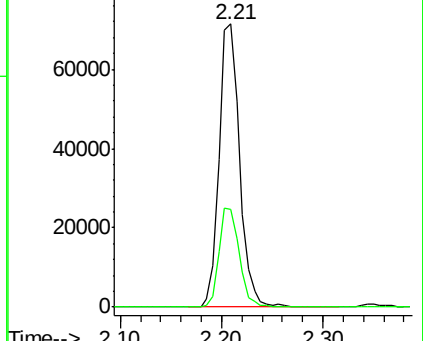
MMDadoda

10/15/2020 12:18:43 PM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 49.473 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067261.D

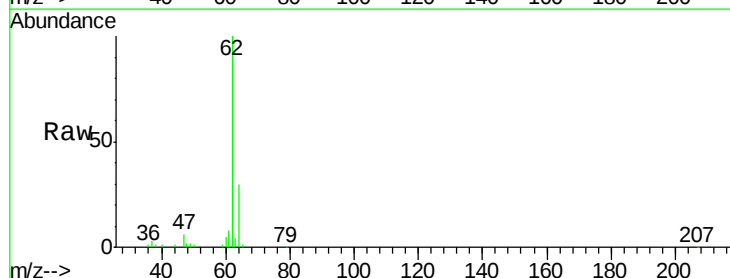
Acq: 14 Oct 2020 10:26

Tgt Ion: 62 Resp: 114224

Ion Ratio Lower Upper

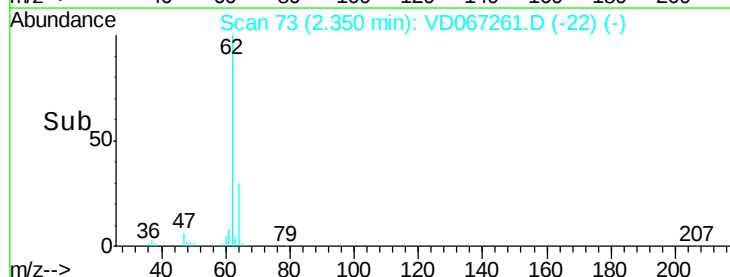
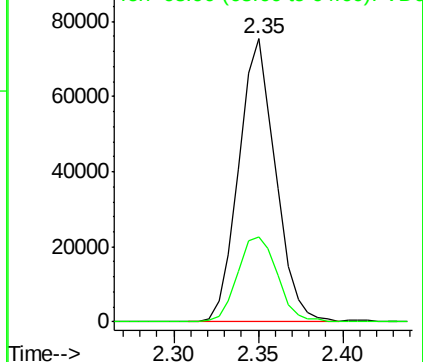
62 100

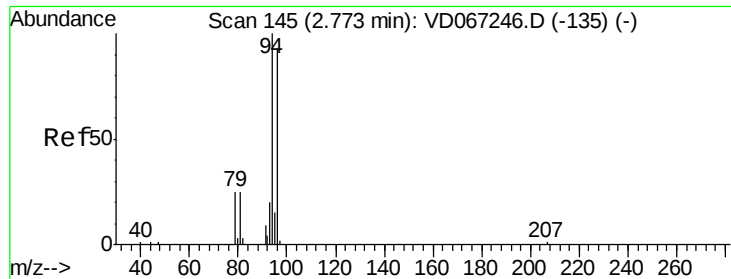
64 30.0 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 57.223 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067261.D

Acq: 14 Oct 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 91392

Ion Ratio Lower Upper

94 100

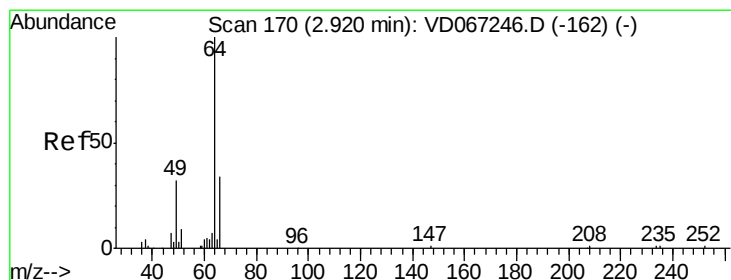
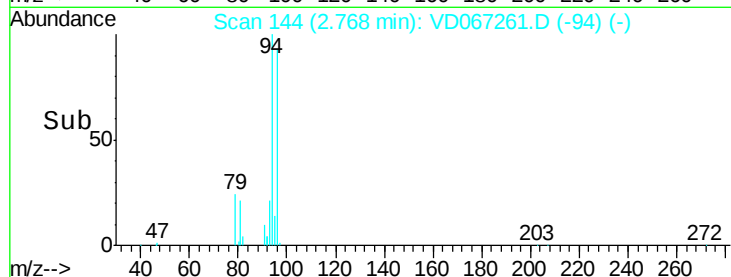
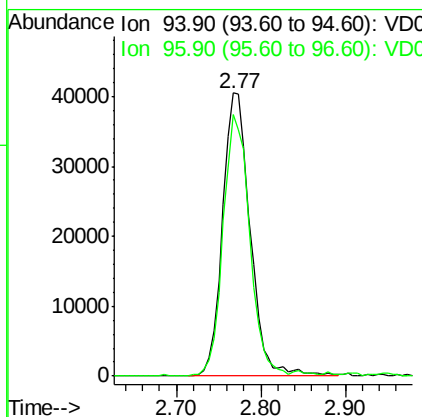
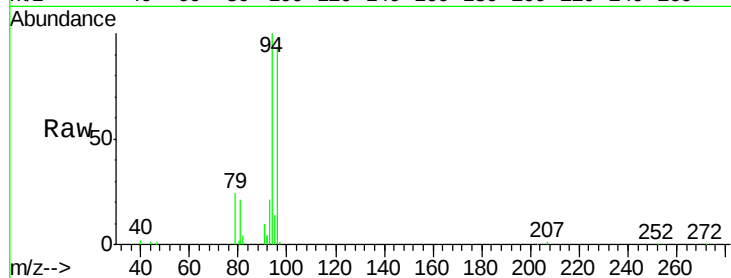
96 92.6 73.8 110.6

Manual Integrations

APPROVED

MMDadoda

10/15/2020 12:18:43 PM



#6

Chloroethane

Concen: 48.123 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067261.D

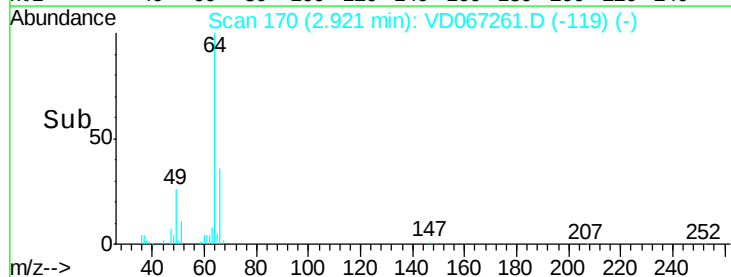
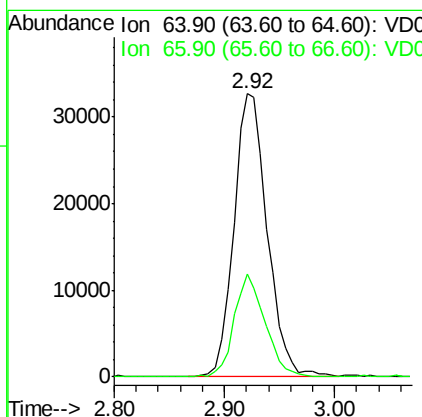
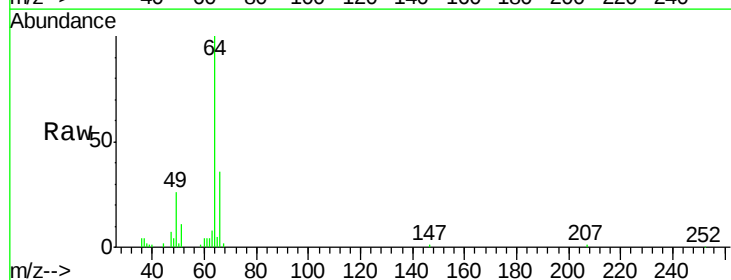
Acq: 14 Oct 2020 10:26

Tgt Ion: 64 Resp: 69194

Ion Ratio Lower Upper

64 100

66 36.3 27.4 41.0





#7

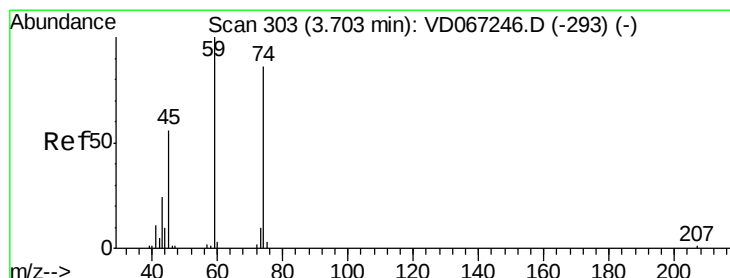
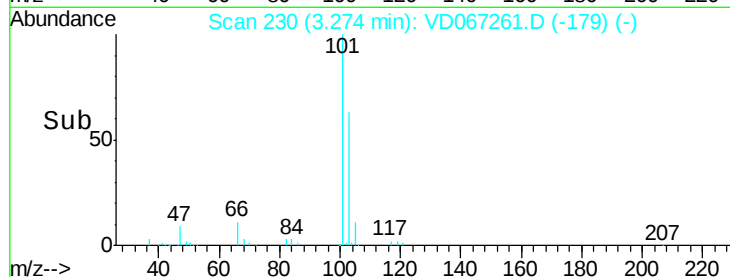
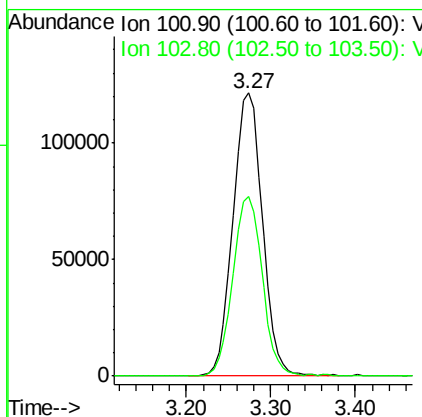
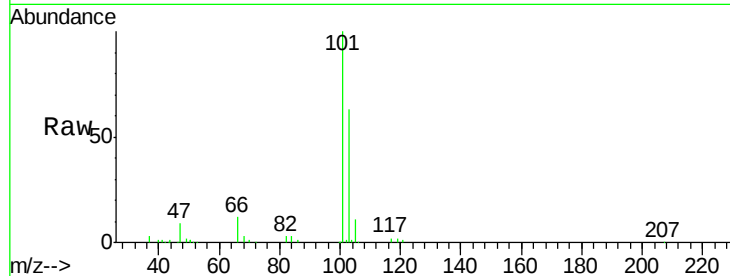
Trichlorofluoromethane
Concen: 50.303 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD067261.D
Acq: 14 Oct 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	53.1	79.7

Manual Integrations
APPROVED

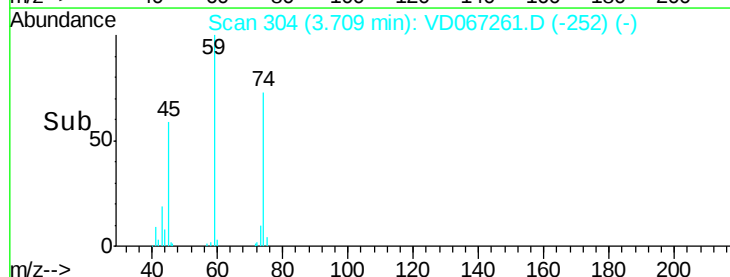
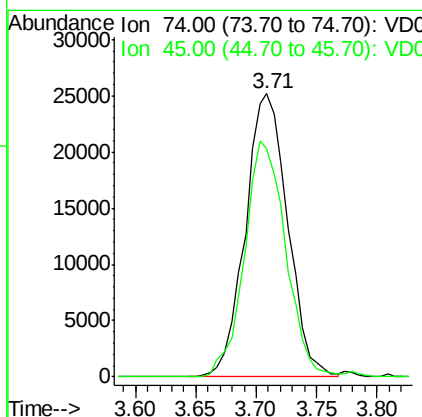
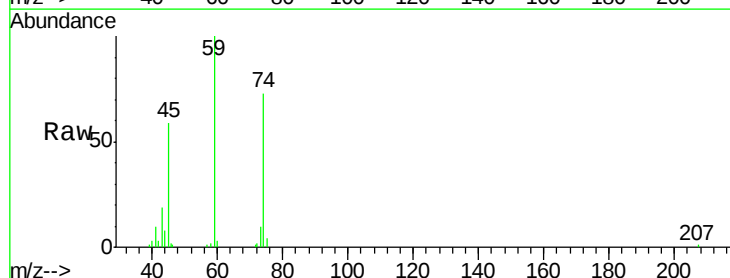
MMDadoda
10/15/2020 12:18:43 PM

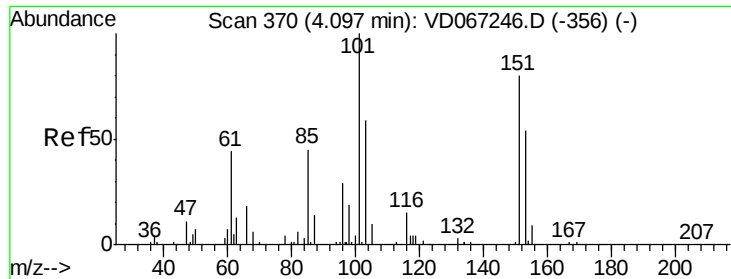


#8

Diethyl Ether
Concen: 46.092 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.01 min
Lab File: VD067261.D
Acq: 14 Oct 2020 10:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	80.9	37.0	111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.043 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067261.D

Acq: 14 Oct 2020 10:26

Instrument :

MSVOA_D

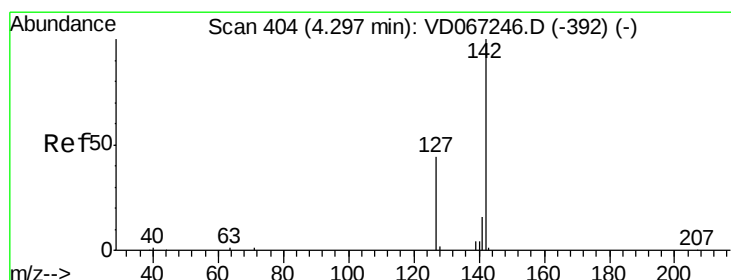
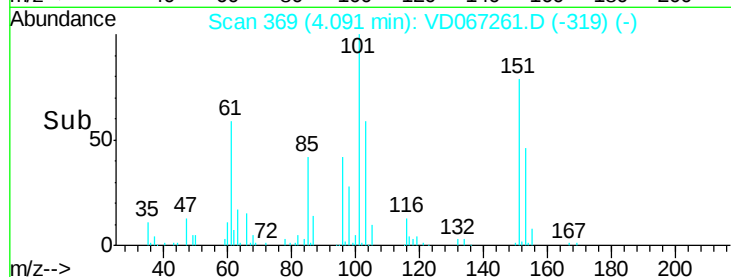
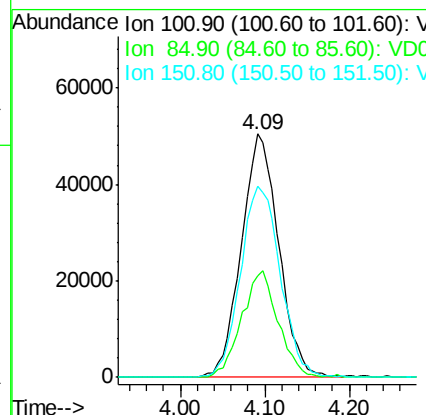
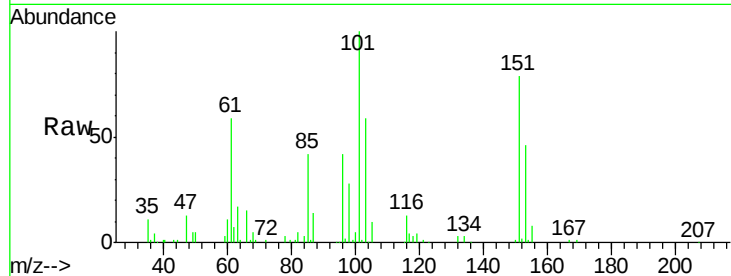
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	154572
Ion Ratio	Lower	Upper	
101	100		
85	42.8	34.2	51.4
151	83.7	66.3	99.5

Manual Integrations
APPROVED

MMDadoda
10/15/2020 12:18:43 PM



#10

Methyl Iodide

Concen: 51.094 ug/l

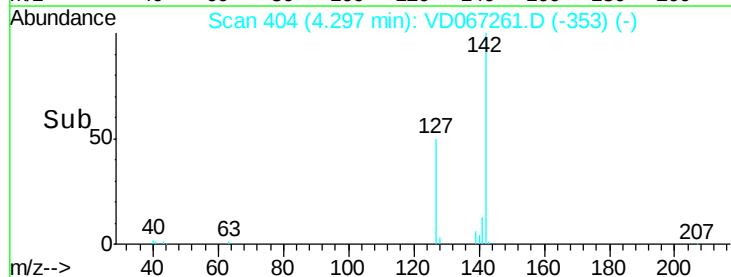
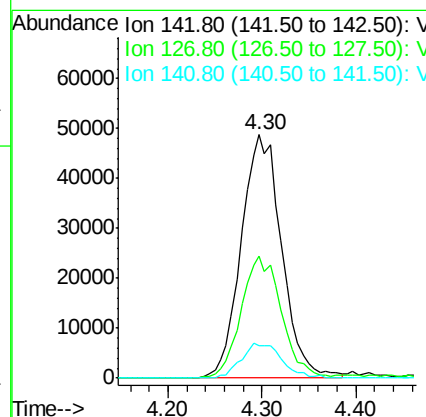
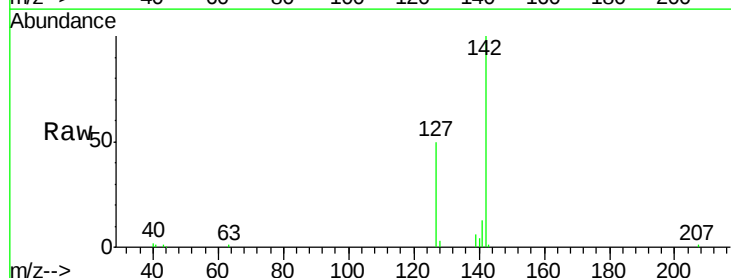
RT: 4.30 min Scan# 404

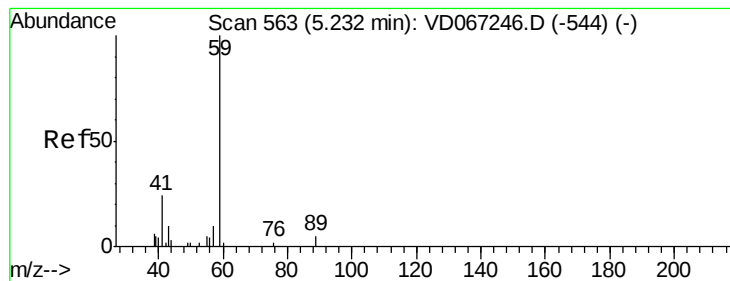
Delta R.T. 0.00 min

Lab File: VD067261.D

Acq: 14 Oct 2020 10:26

Tgt Ion:	142	Resp:	145584
Ion Ratio	Lower	Upper	
142	100		
127	49.7	38.4	57.6
141	14.2	11.6	17.4





#11

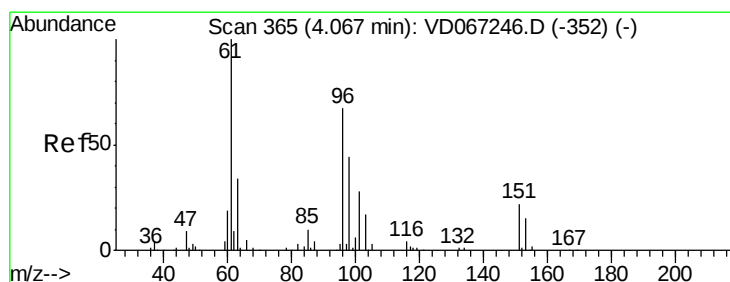
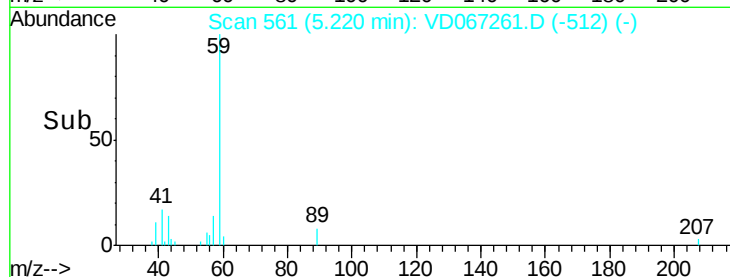
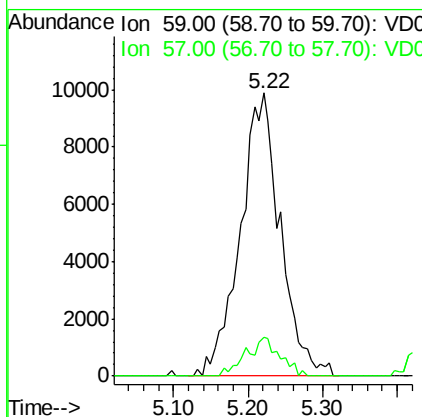
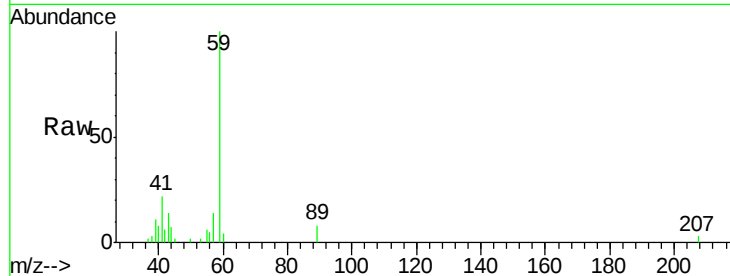
Tert butyl alcohol
 Concen: 202.846 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. -0.01 min
 Lab File: VD067261.D
 Acq: 14 Oct 2020 10:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 59 Resp: 36824
 Ion Ratio Lower Upper
 59 100
 57 11.7 5.1 7.7#

Manual Integrations
 APPROVED

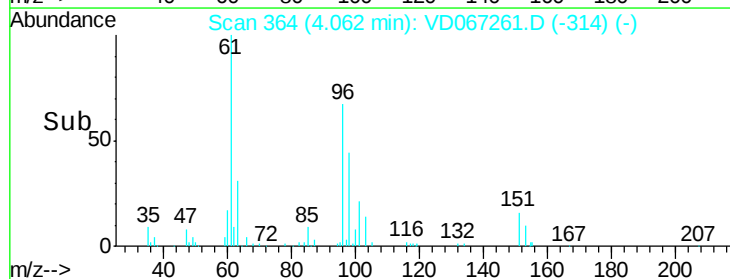
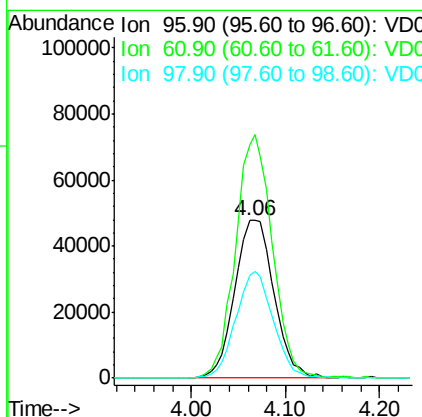
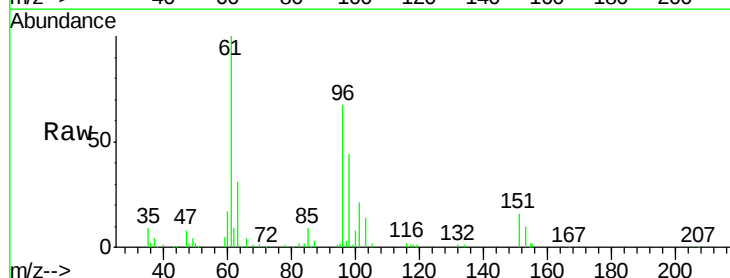
MMDadoda
 10/15/2020 12:18:43 PM

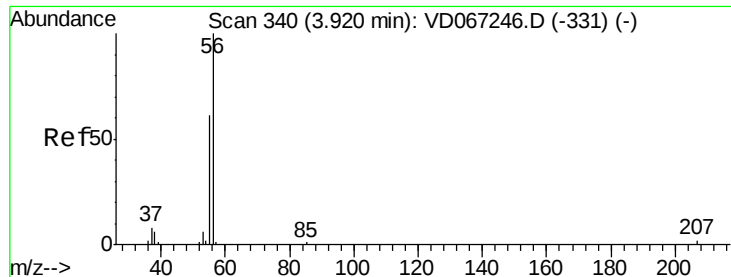


#12

1,1-Dichloroethene
 Concen: 50.220 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD067261.D
 Acq: 14 Oct 2020 10:26

Tgt Ion: 96 Resp: 138580
 Ion Ratio Lower Upper
 96 100
 61 148.2 118.6 177.8
 98 65.1 51.8 77.6





#13

Acrolein

Concen: 244.172 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD067261.D

Acq: 14 Oct 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 48772

Ion Ratio Lower Upper

56 100

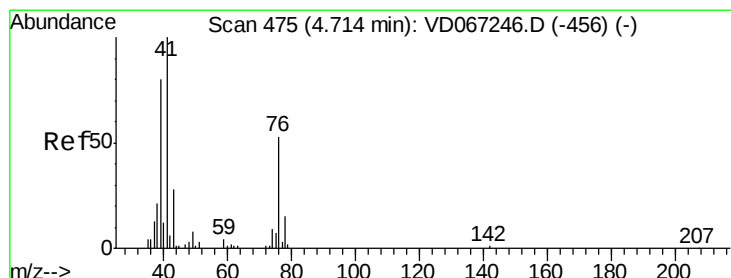
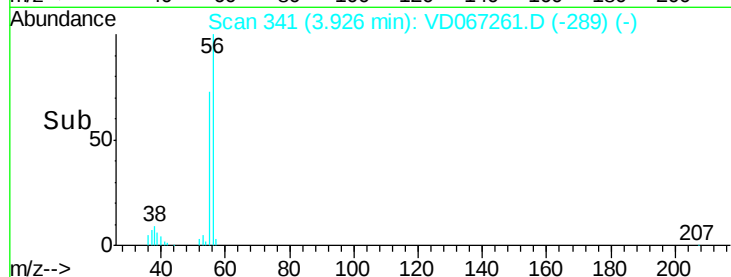
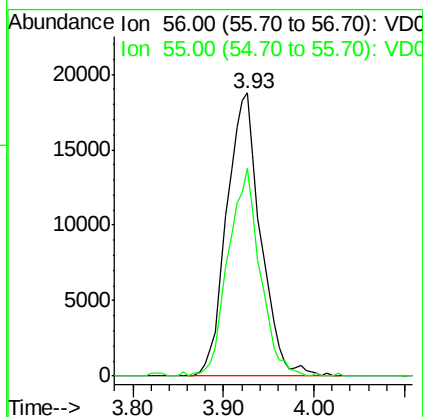
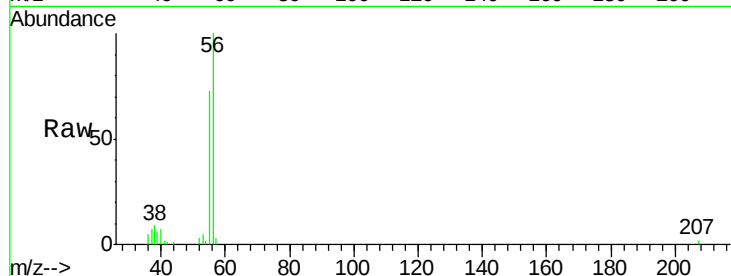
55 68.9 56.0 84.0

Manual Integrations

APPROVED

MMDadoda

10/15/2020 12:18:43 PM



#14

Allyl chloride

Concen: 49.725 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067261.D

Acq: 14 Oct 2020 10:26

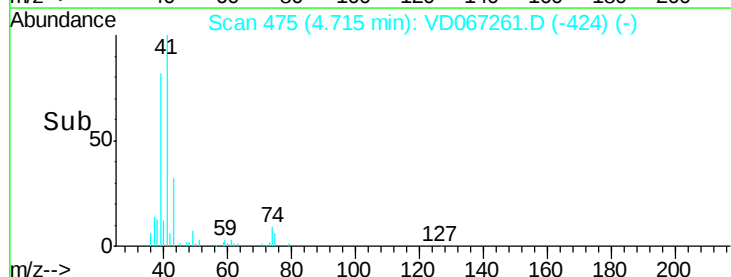
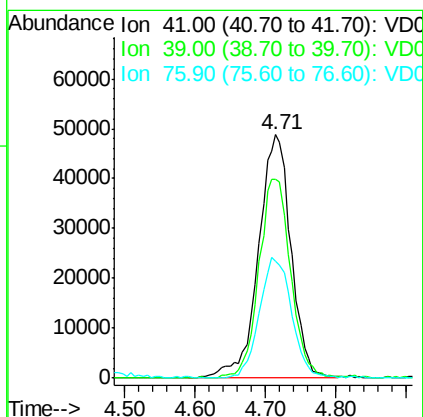
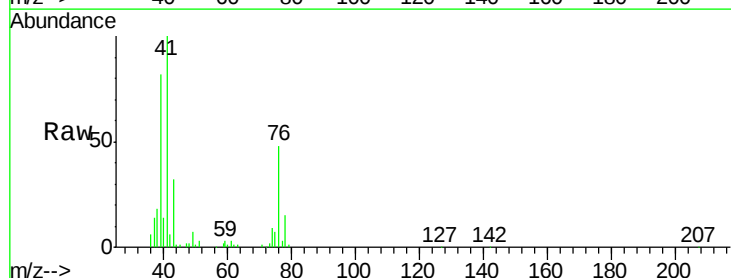
Tgt Ion: 41 Resp: 157136

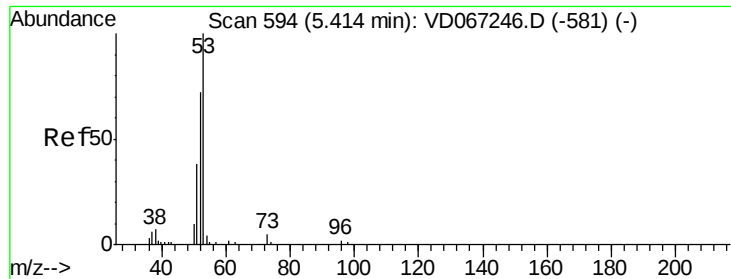
Ion Ratio Lower Upper

41 100

39 80.0 63.8 95.6

76 49.1 40.4 60.6





#15

Acrylonitrile

Concen: 253.428 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.01 min

Lab File: VD067261.D

Acq: 14 Oct 2020 10:26

Instrument :

MSVOA_D

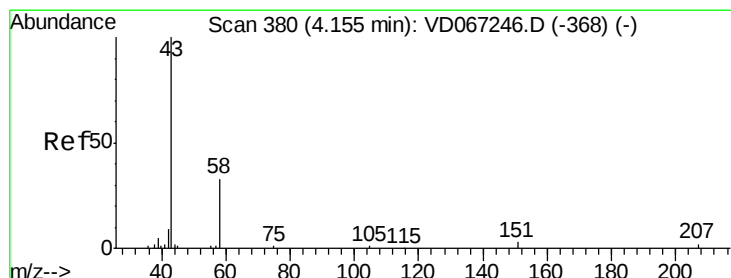
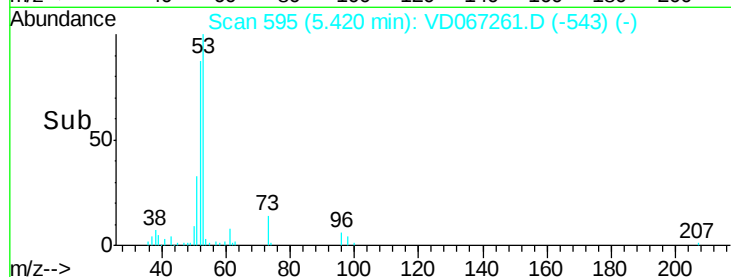
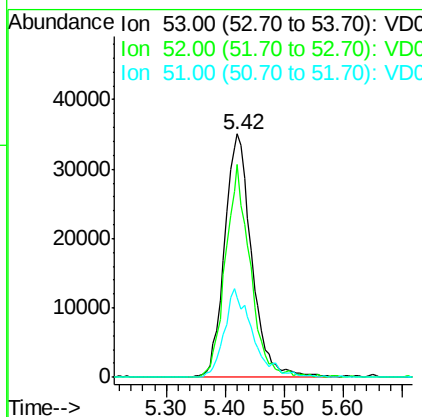
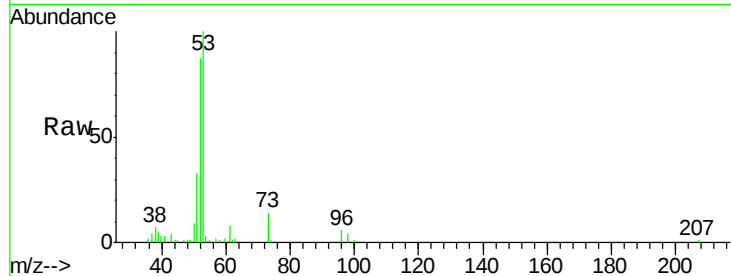
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	112496
Ion	Ratio	Lower	Upper
53	100		
52	79.0	65.6	98.4
51	37.1	30.8	46.2

Manual Integrations
APPROVED

MMDadoda
10/15/2020 12:18:43 PM



#16

Acetone

Concen: 292.323 ug/l

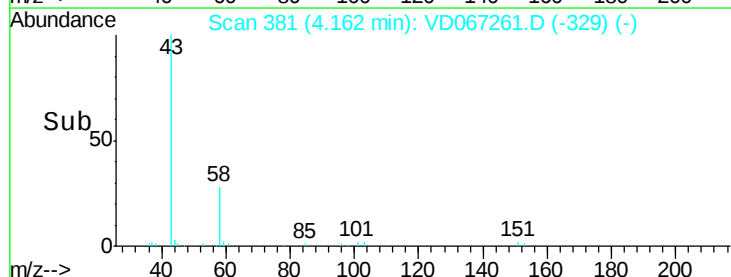
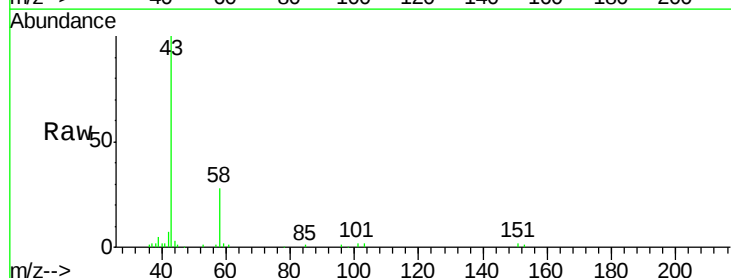
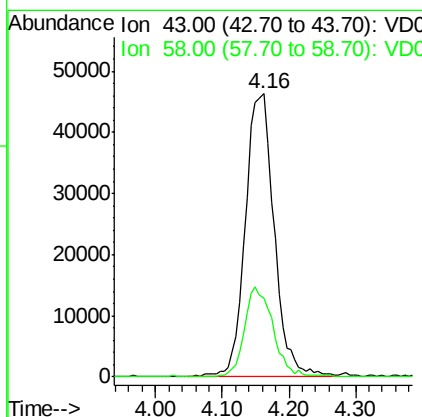
RT: 4.16 min Scan# 381

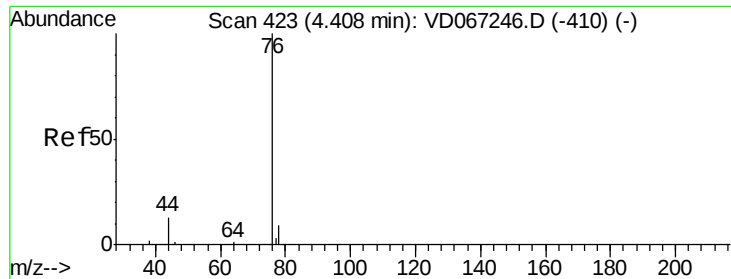
Delta R.T. 0.01 min

Lab File: VD067261.D

Acq: 14 Oct 2020 10:26

Tgt Ion:	43	Resp:	137136
Ion	Ratio	Lower	Upper
43	100		
58	27.8	26.1	39.1





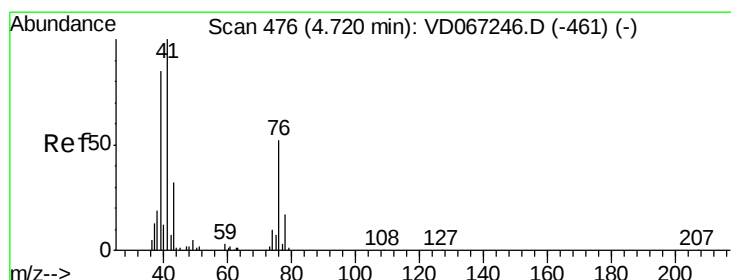
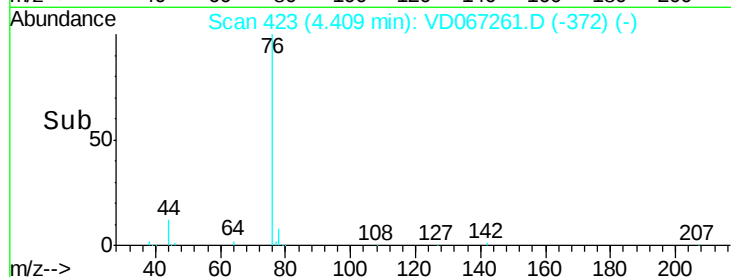
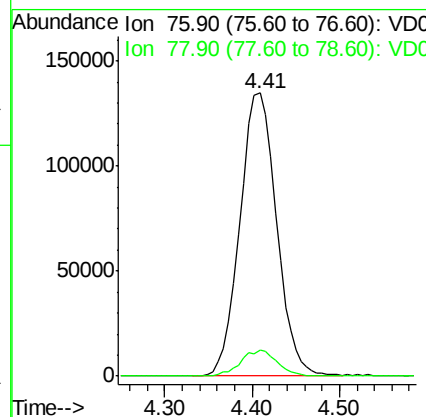
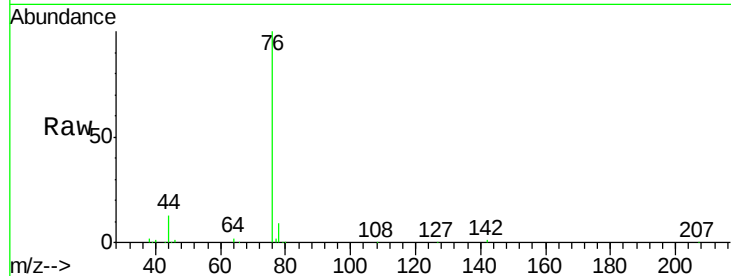
#17
Carbon Disulfide
Concen: 48.944 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067261.D
Acq: 14 Oct 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.0

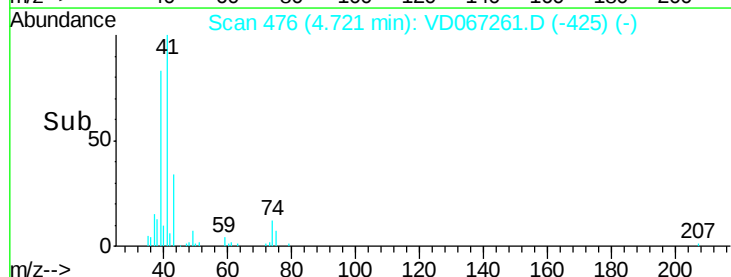
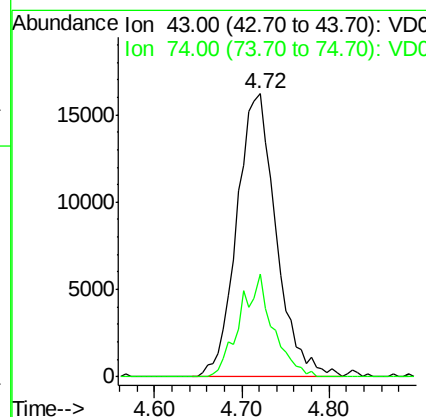
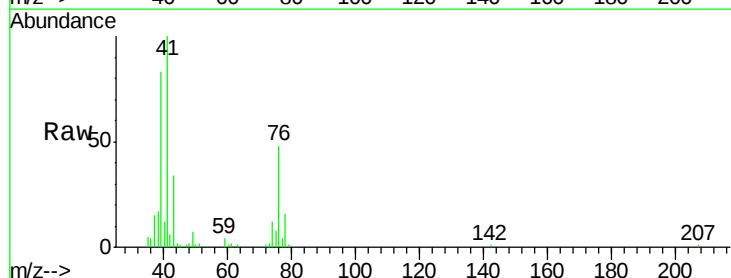
Manual Integrations
APPROVED

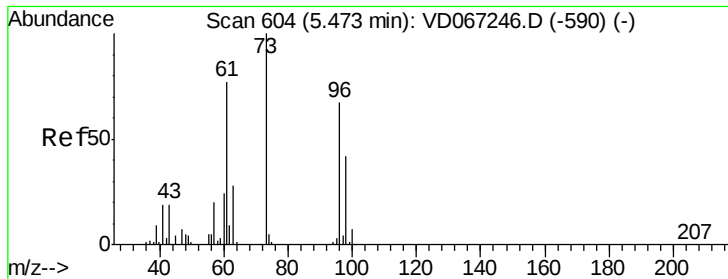
MMDadoda
10/15/2020 12:18:43 PM



#18
Methyl Acetate
Concen: 46.263 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD067261.D
Acq: 14 Oct 2020 10:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	30.4	26.6	39.8





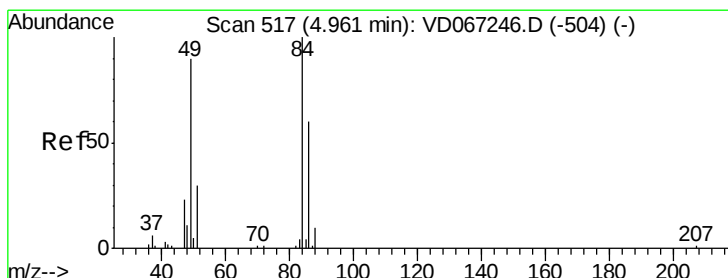
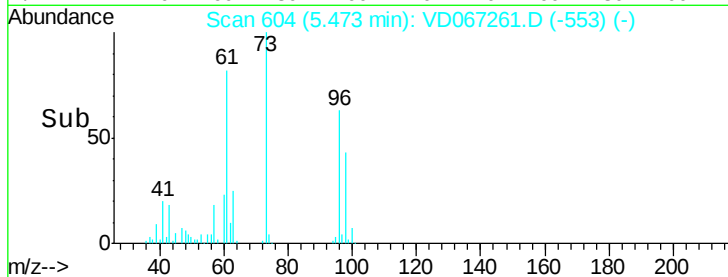
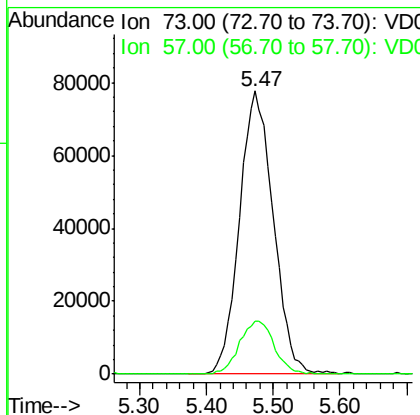
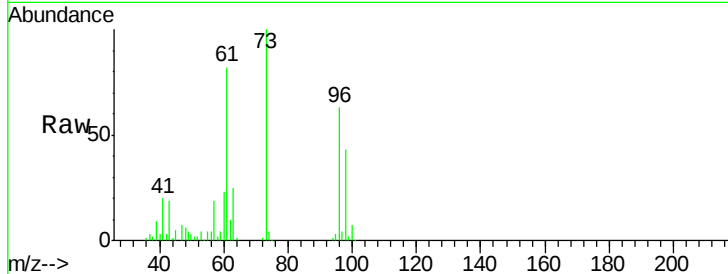
#19
Methvl tert-butvl Ether
Concen: 49.439 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067261.D
Acq: 14 Oct 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 271269
Ion Ratio Lower Upper
73 100
57 18.7 15.7 23.5

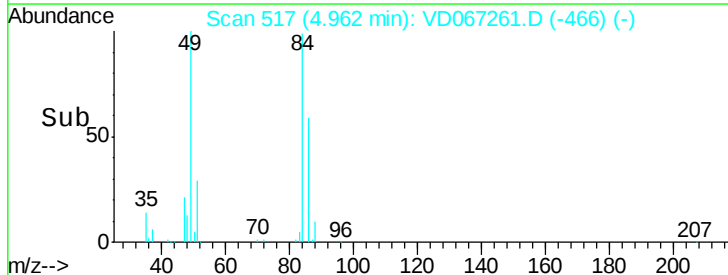
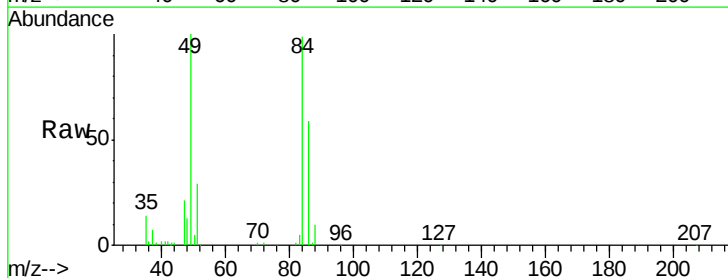
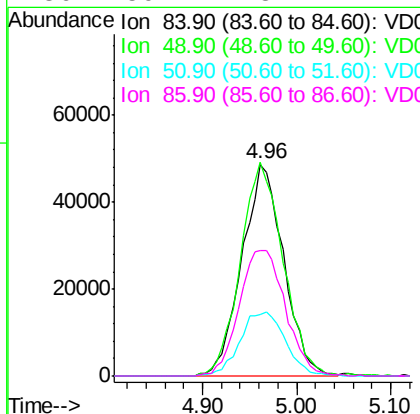
Manual Integrations
APPROVED

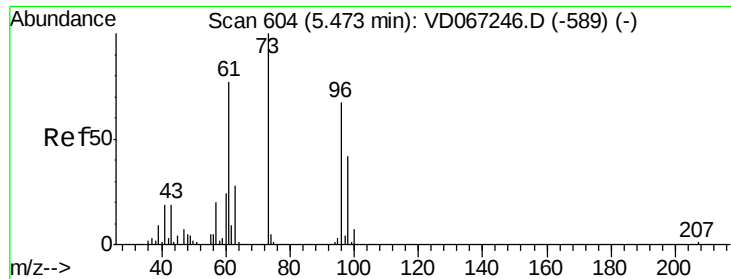
MMDadoda
10/15/2020 12:18:43 PM



#20
Methylene Chloride
Concen: 49.692 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067261.D
Acq: 14 Oct 2020 10:26

Tgt Ion: 84 Resp: 149406
Ion Ratio Lower Upper
84 100
49 100.9 72.2 108.2
51 28.9 23.8 35.8
86 59.2 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 50.197 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067261.D

Acq: 14 Oct 2020 10:26

Instrument :

MSVOA_D

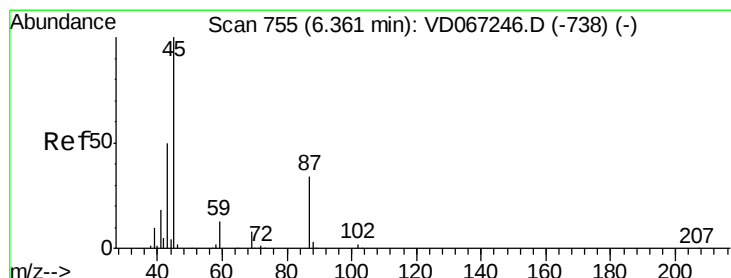
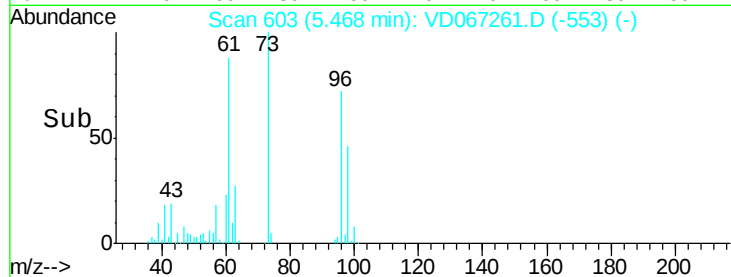
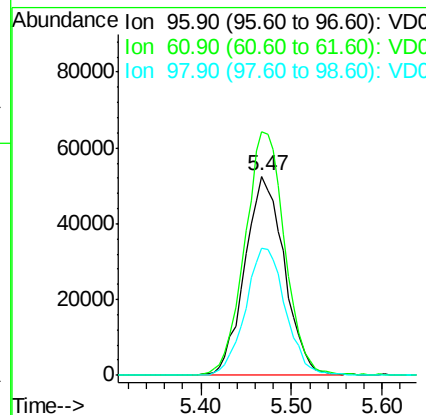
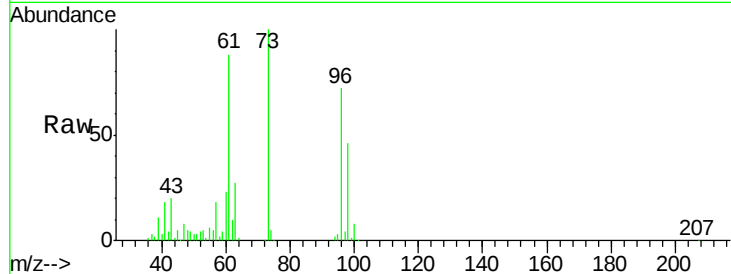
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	159403
Ion	Ratio	Lower	Upper
96	100		
61	122.3	92.0	138.0
98	63.7	49.8	74.8

Manual Integrations
APPROVED

MMDadoda
10/15/2020 12:18:43 PM



#22

Diisopropyl ether

Concen: 51.481 ug/l

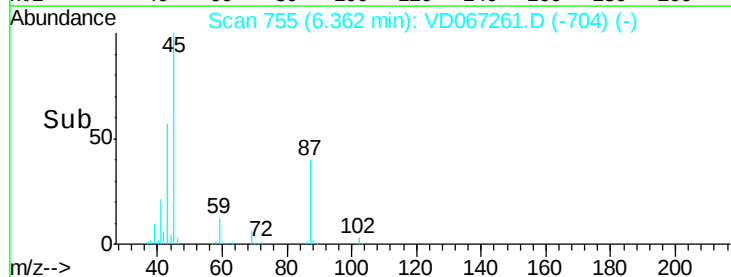
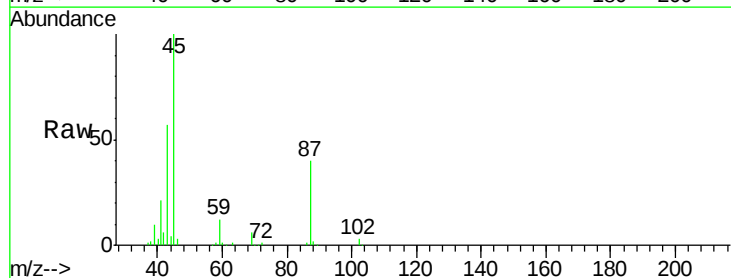
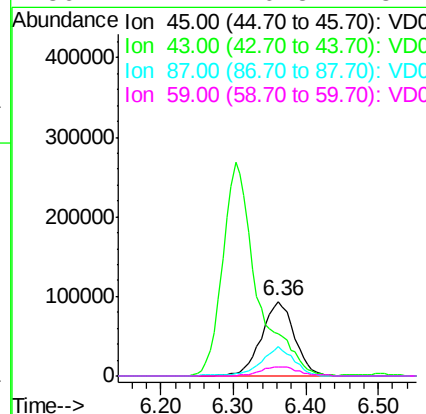
RT: 6.36 min Scan# 755

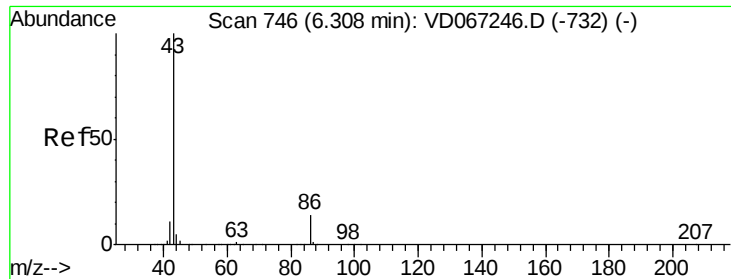
Delta R.T. 0.00 min

Lab File: VD067261.D

Acq: 14 Oct 2020 10:26

Tgt Ion:	45	Resp:	297189
Ion	Ratio	Lower	Upper
45	100		
43	55.8	48.0	72.0
87	39.2	28.5	42.7
59	12.2	10.5	15.7





#23

Vinyl Acetate

Concen: 268.442 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067261.D

Acq: 14 Oct 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 881627

Ion Ratio Lower Upper

43 100

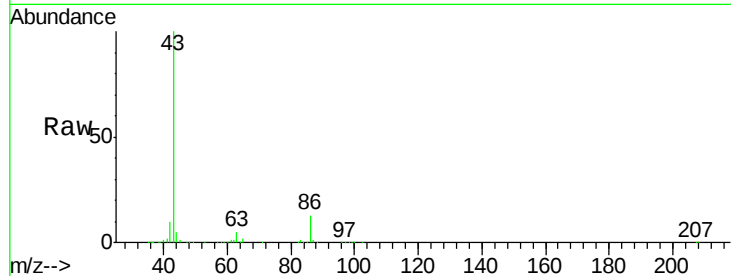
86 13.0 11.0 16.6

Manual Integrations

APPROVED

MMDadoda

10/15/2020 12:18:43 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

250000

200000

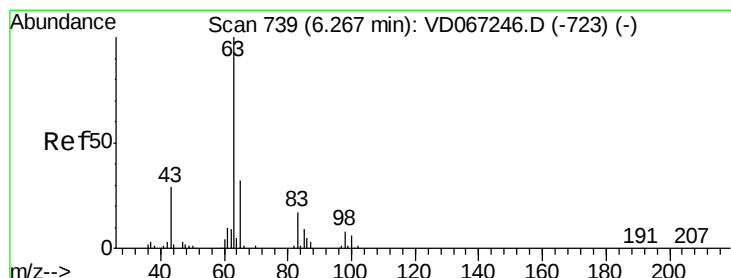
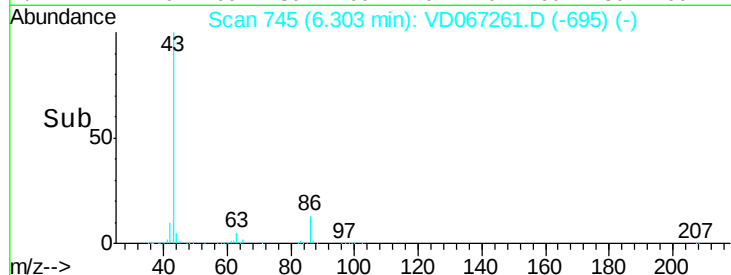
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.960 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067261.D

Acq: 14 Oct 2020 10:26

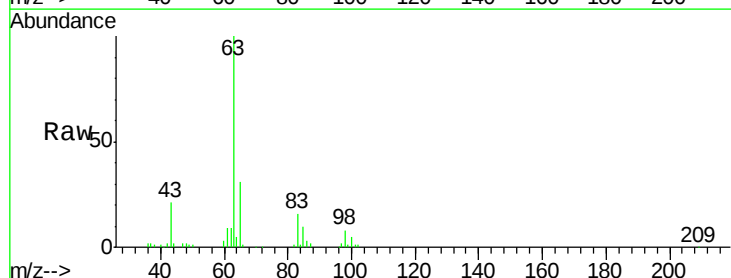
Tgt Ion: 63 Resp: 246877

Ion Ratio Lower Upper

63 100

98 7.8 4.0 12.2

100 5.4 2.8 8.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

100000

80000

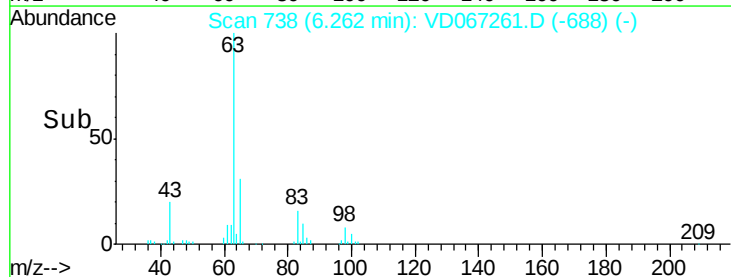
60000

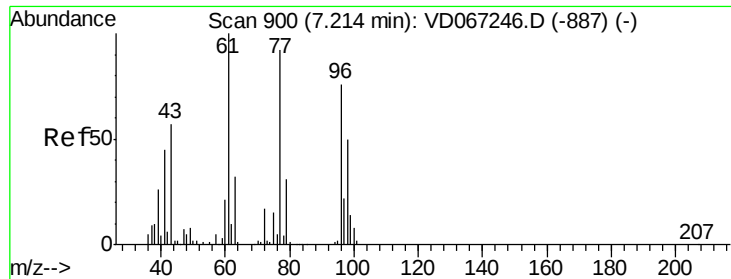
40000

20000

0

Time-->





#25

2-Butanone

Concen: 256.469 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067261.D

Acq: 14 Oct 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 137148

Ion Ratio Lower Upper

43 100

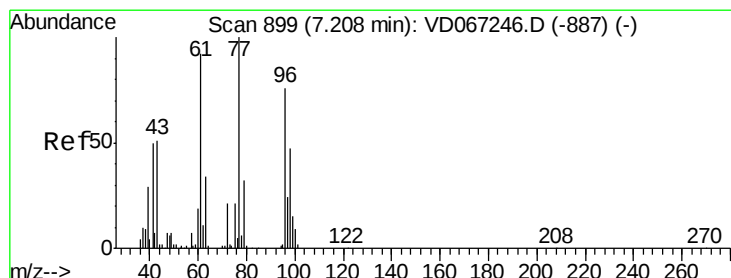
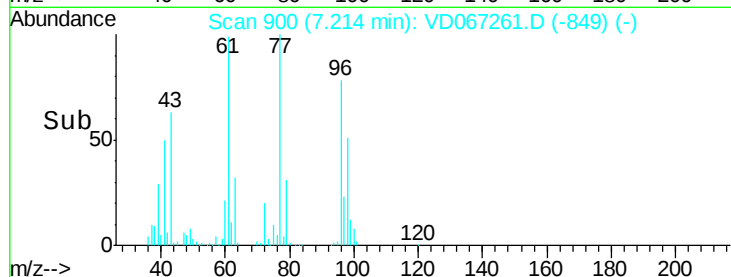
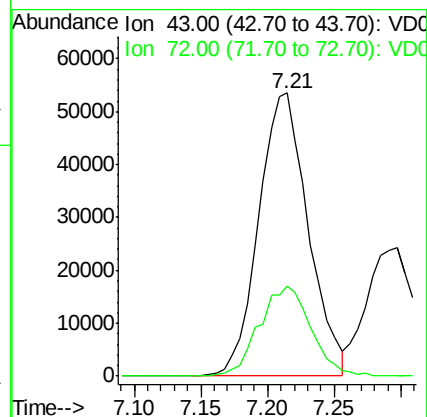
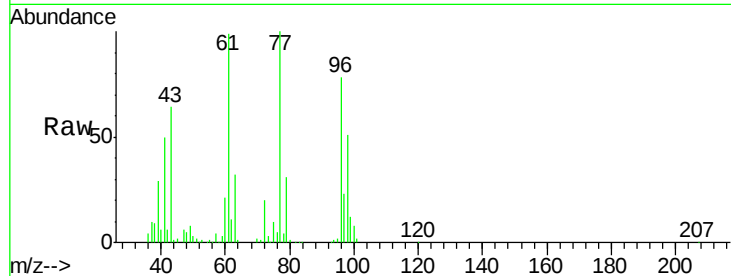
72 32.0 23.7 35.5

Manual Integrations

APPROVED

MMDadoda

10/15/2020 12:18:43 PM



#26

2,2-Dichloropropane

Concen: 50.698 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067261.D

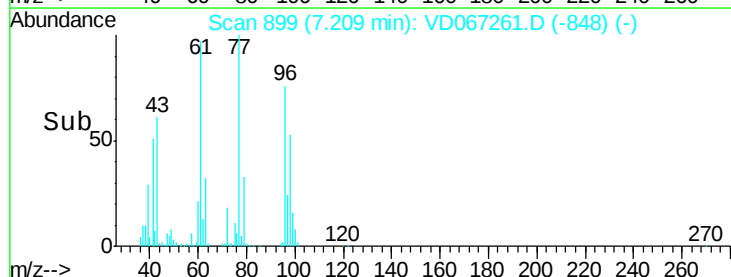
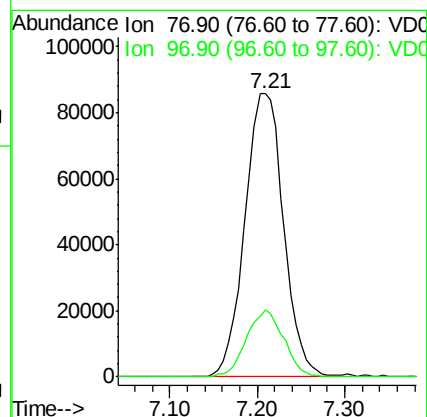
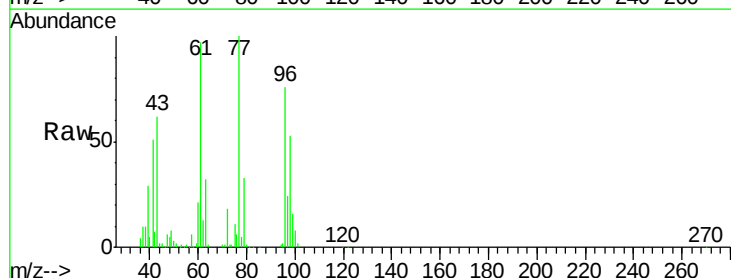
Acq: 14 Oct 2020 10:26

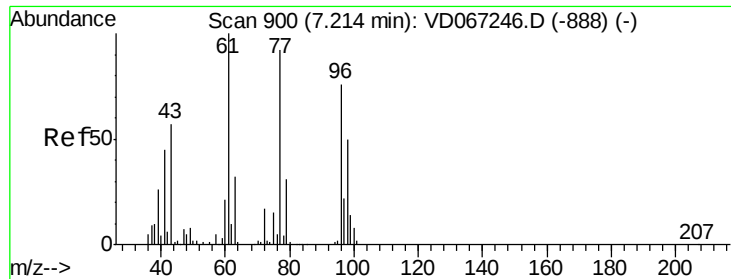
Tgt Ion: 77 Resp: 258224

Ion Ratio Lower Upper

77 100

97 22.7 11.4 34.2





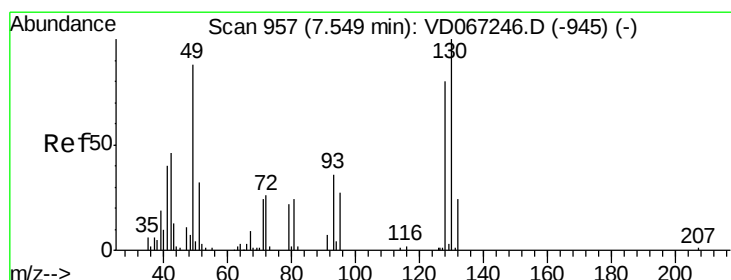
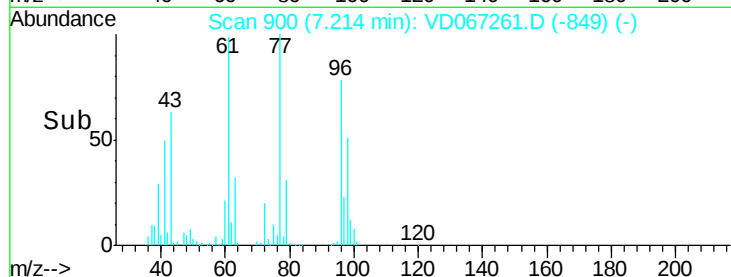
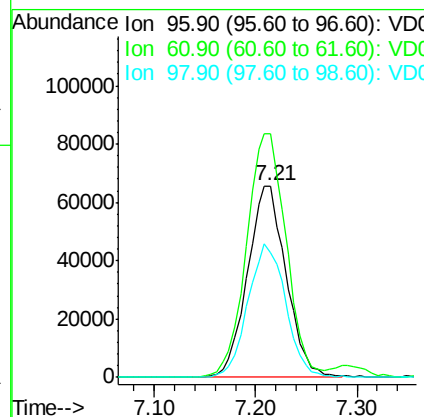
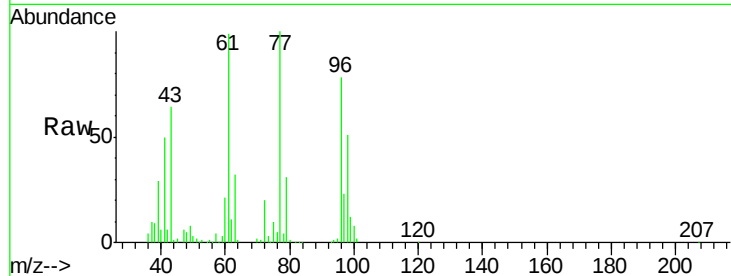
#27
 cis-1,2-Dichloroethene
 Concen: 49.971 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD067261.D
 Acq: 14 Oct 2020 10:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	173914		
61	130.6	0.0	255.4	
98	68.5	0.0	128.0	

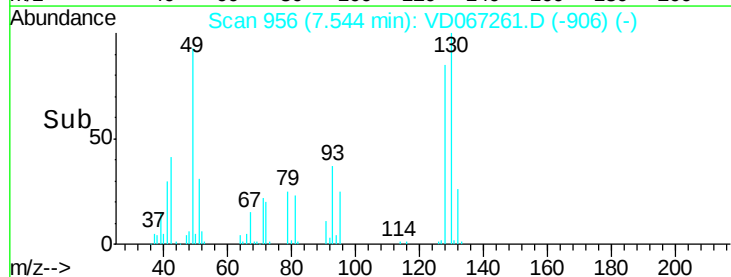
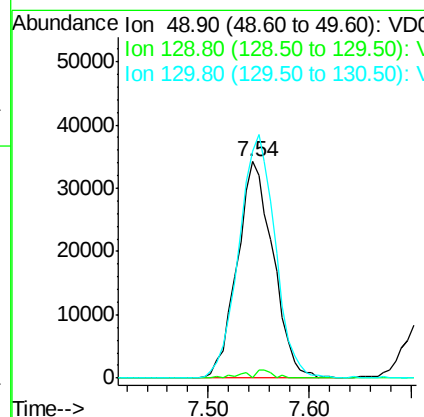
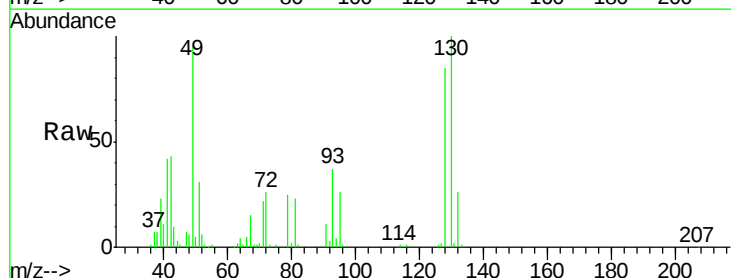
Manual Integrations
 APPROVED

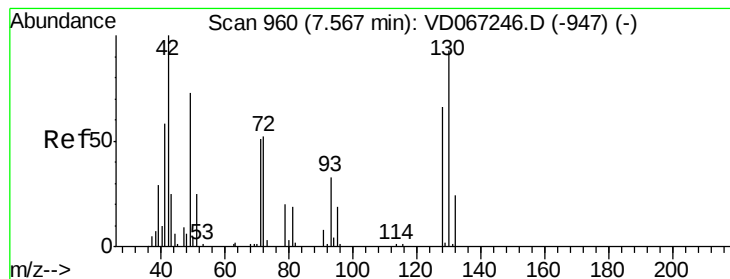
MMDadoda
 10/15/2020 12:18:43 PM



#28
 Bromochloromethane
 Concen: 49.821 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD067261.D
 Acq: 14 Oct 2020 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	83973		
129	1.6	0.0	1.6	
130	113.4	91.0	136.6	





#29

Tetrahydrofuran

Concen: 260.375 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD067261.D

Acq: 14 Oct 2020 10:26

Instrument :

MSVOA_D

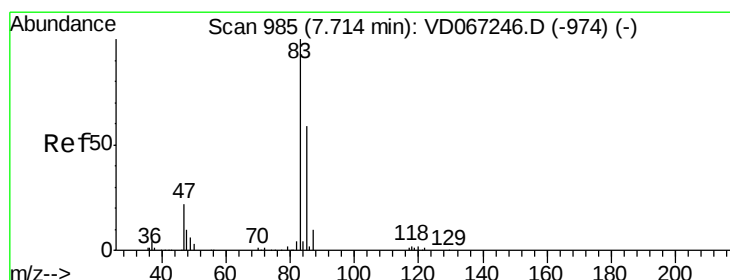
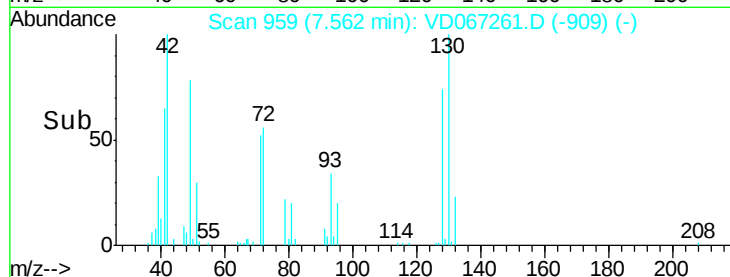
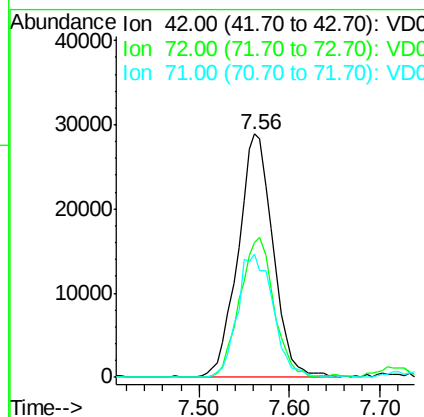
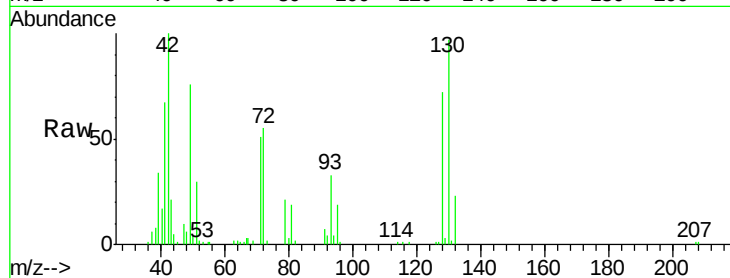
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	77399
Ion	Ratio	Lower	Upper
42	100		
72	55.7	43.2	64.8
71	51.5	39.4	59.0

Manual Integrations
APPROVED

MMDadoda
10/15/2020 12:18:43 PM



#30

Chloroform

Concen: 50.631 ug/l

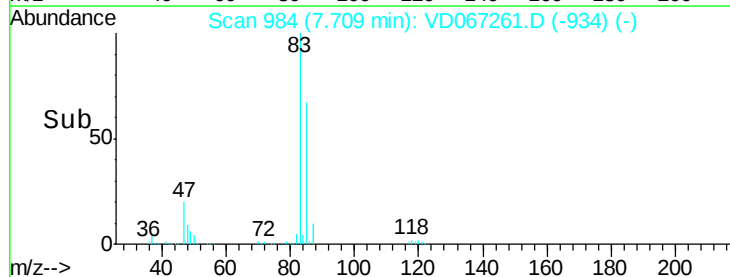
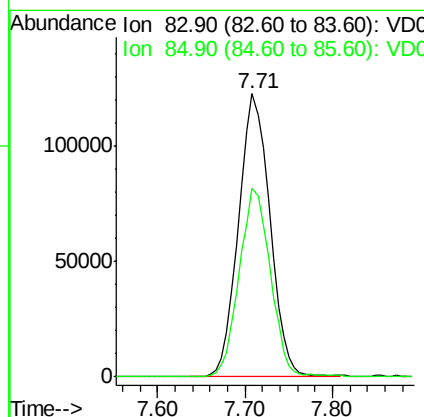
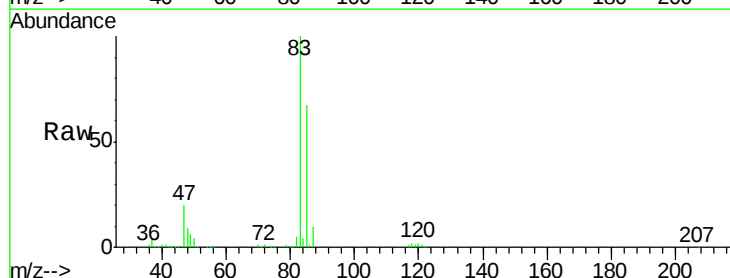
RT: 7.71 min Scan# 984

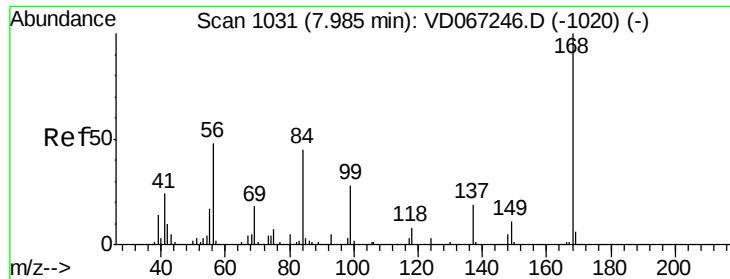
Delta R.T. -0.01 min

Lab File: VD067261.D

Acq: 14 Oct 2020 10:26

Tgt Ion:	83	Resp:	298884
Ion	Ratio	Lower	Upper
83	100		
85	66.9	47.3	70.9





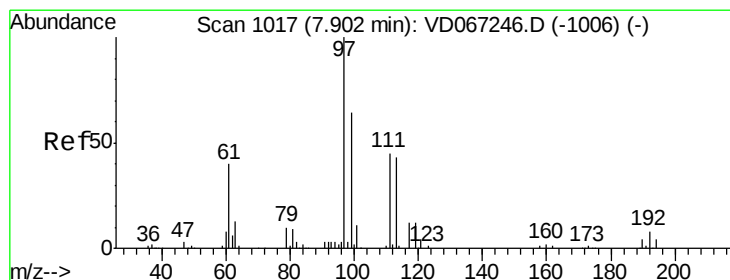
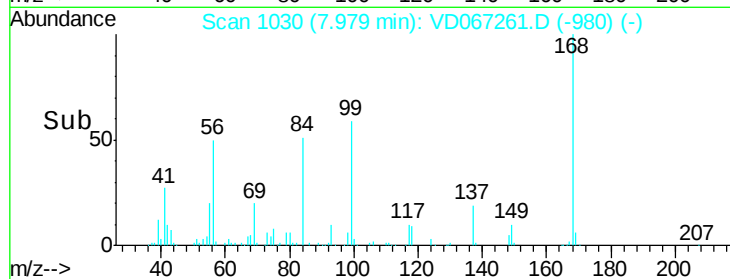
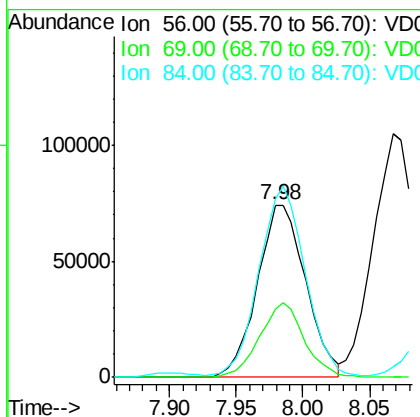
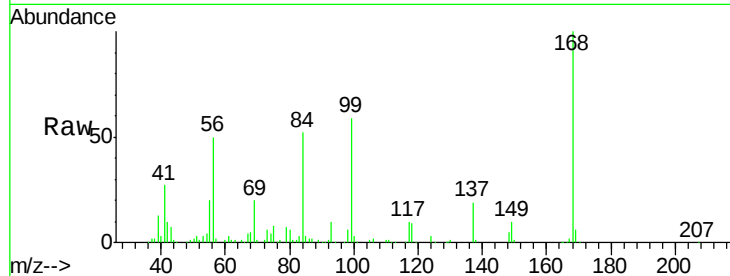
#31
Cyclohexane
Concen: 48.561 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067261.D
Acq: 14 Oct 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.4	29.8	44.6
84	101.3	76.6	114.8

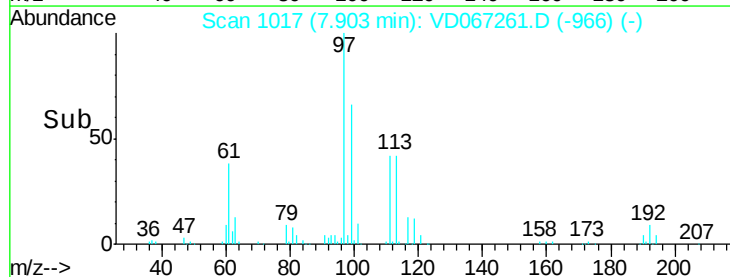
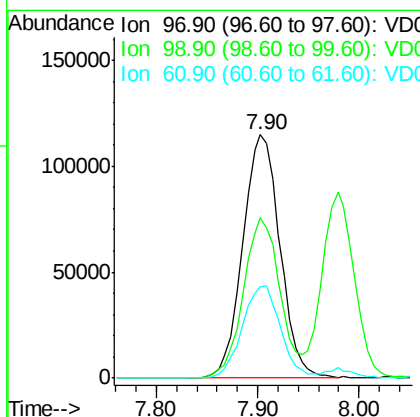
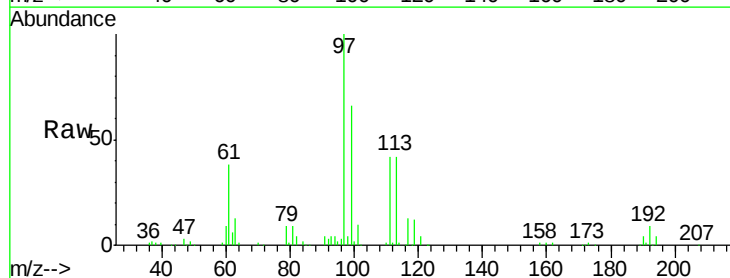
Manual Integrations
APPROVED

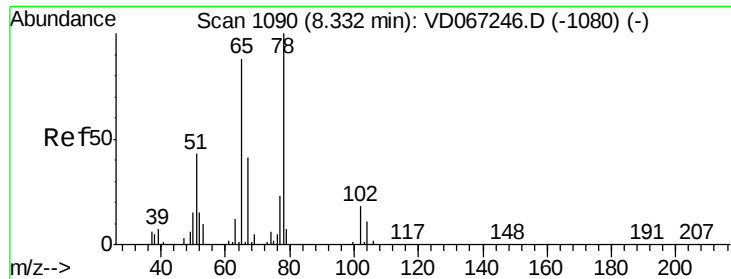
MMDadoda
10/15/2020 12:18:43 PM



#32
1,1,1-Trichloroethane
Concen: 50.526 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067261.D
Acq: 14 Oct 2020 10:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	50.2	75.4
61	39.0	30.5	45.7





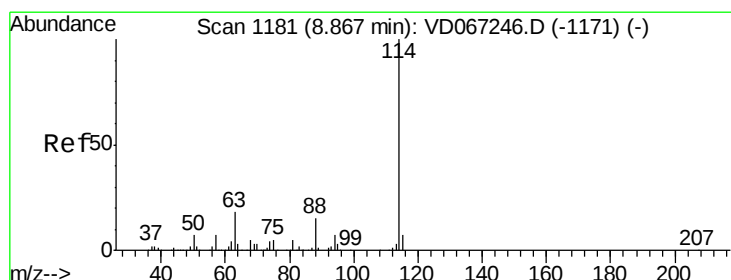
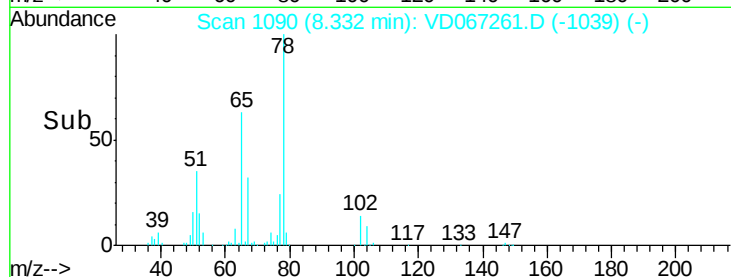
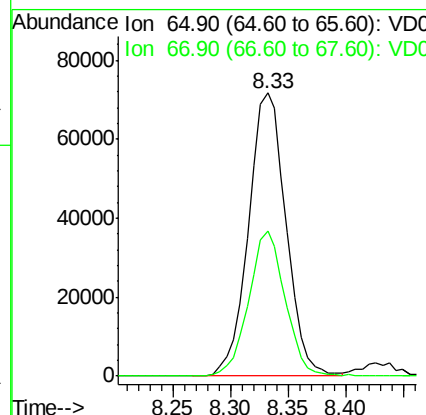
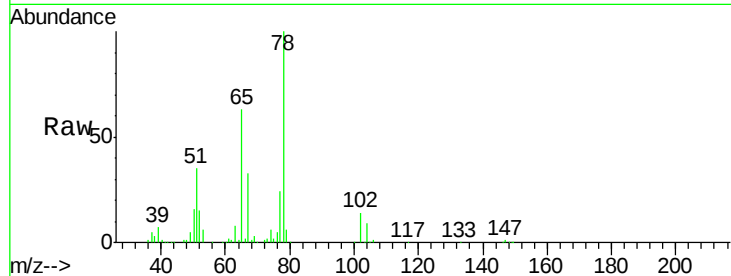
#33
 1,2-Dichloroethane-d4
 Concen: 48.450 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067261.D
 Acq: 14 Oct 2020 10:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	162294		
67	49.9	0.0	103.8	

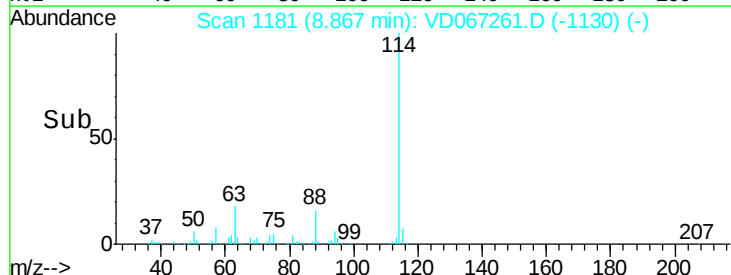
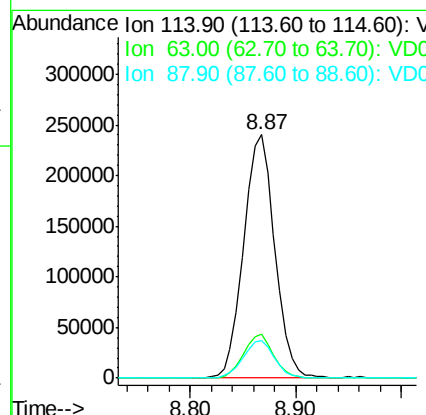
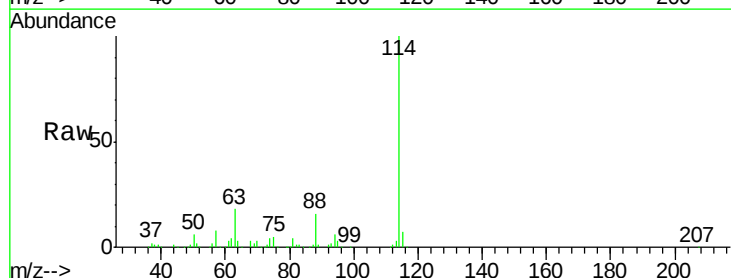
Manual Integrations
 APPROVED

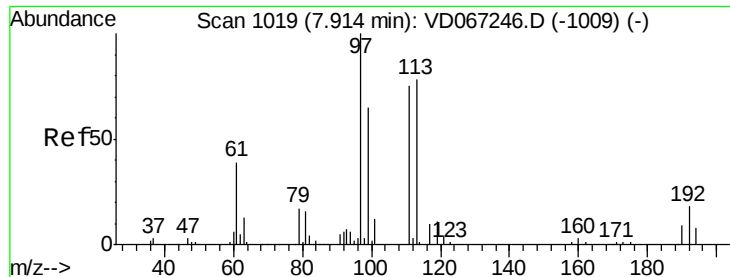
MMDadoda
 10/15/2020 12:18:43 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067261.D
 Acq: 14 Oct 2020 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	492695		
63	18.0	0.0	35.0	
88	15.6	0.0	30.6	





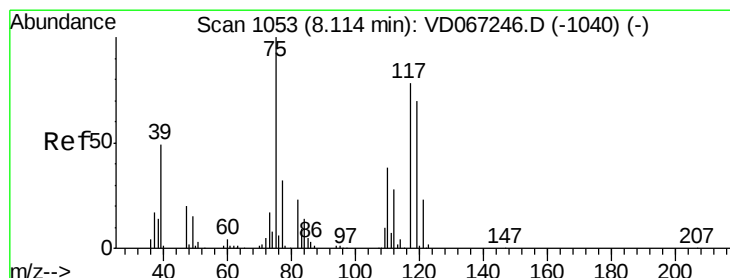
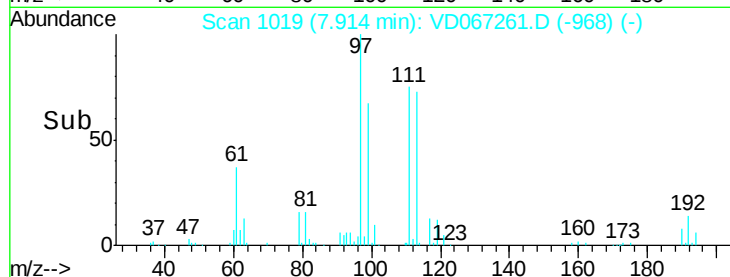
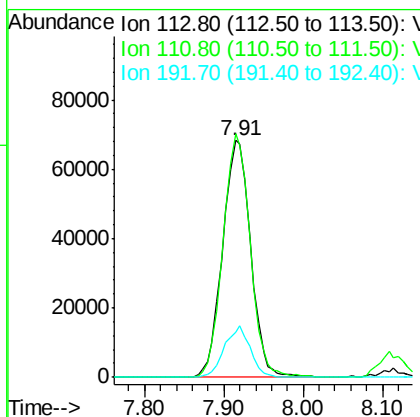
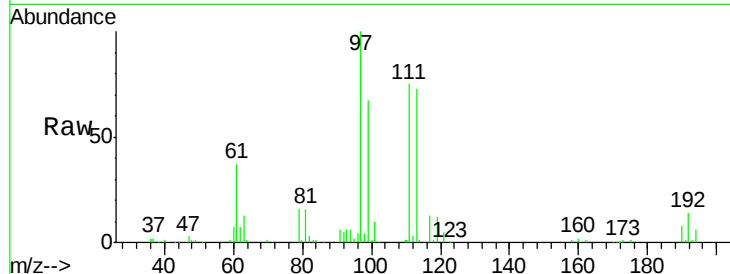
#35
 Dibromofluoromethane
 Concen: 51.036 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067261.D
 Acq: 14 Oct 2020 10:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	167342		
111	100.1	81.6	122.4	
192	20.0	17.0	25.4	

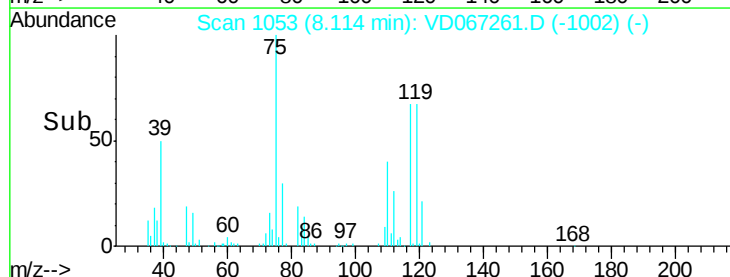
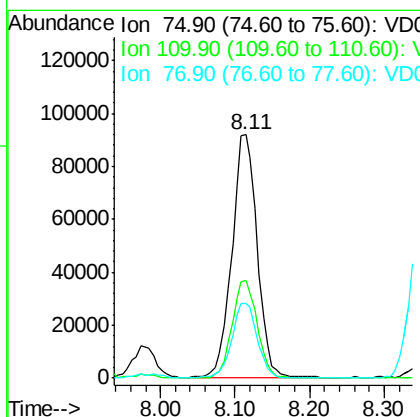
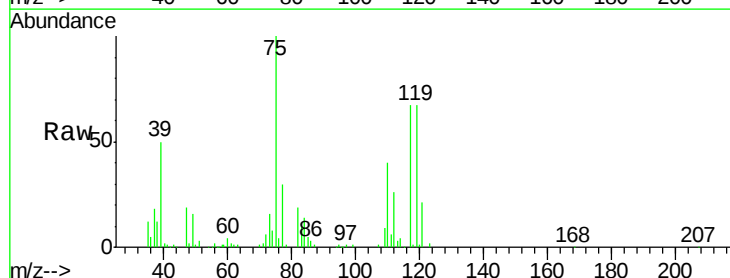
Manual Integrations
 APPROVED

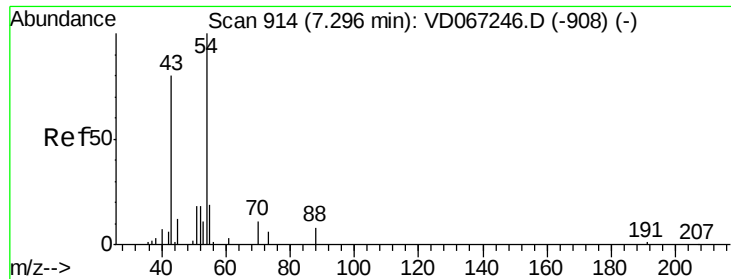
MMDadoda
 10/15/2020 12:18:43 PM



#36
 1,1-Dichloropropene
 Concen: 51.809 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067261.D
 Acq: 14 Oct 2020 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	216351		
110	39.9	19.6	58.7	
77	31.1	24.6	37.0	





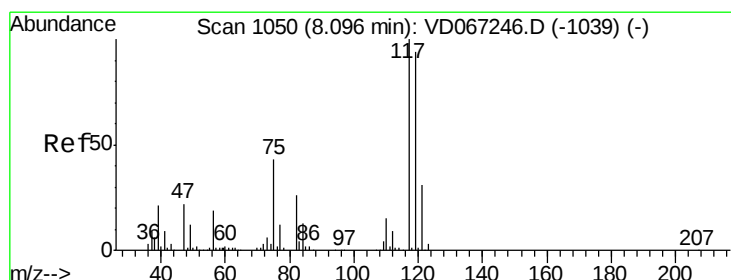
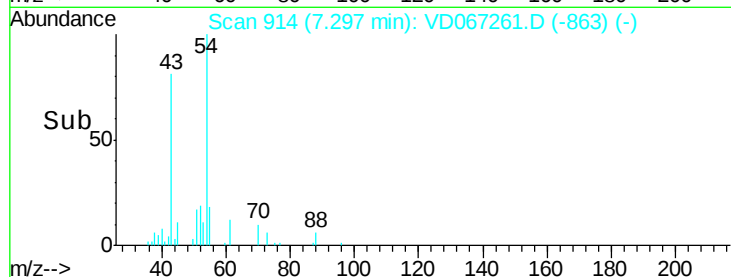
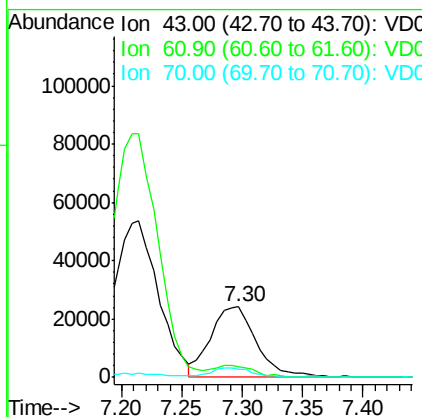
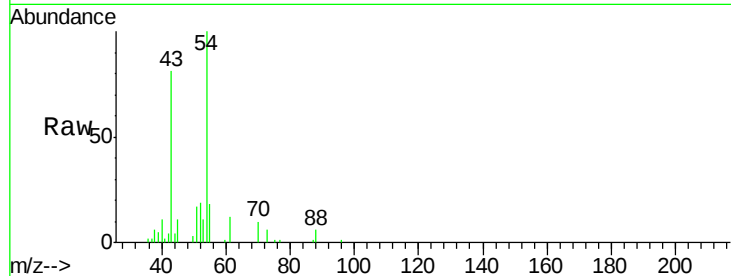
#37
Ethyl Acetate
Concen: 51.027 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067261.D
Acq: 14 Oct 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	15.6	23.4#
70	12.8	10.4	15.6

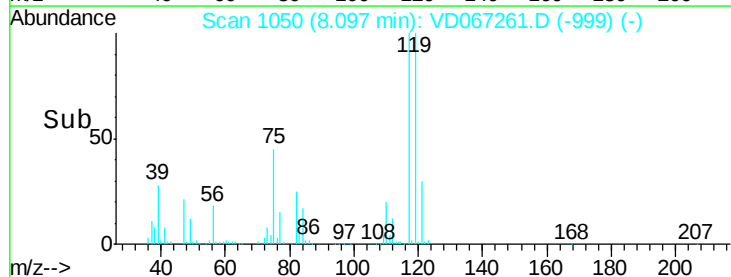
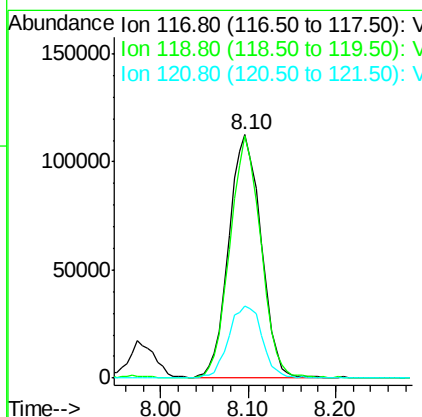
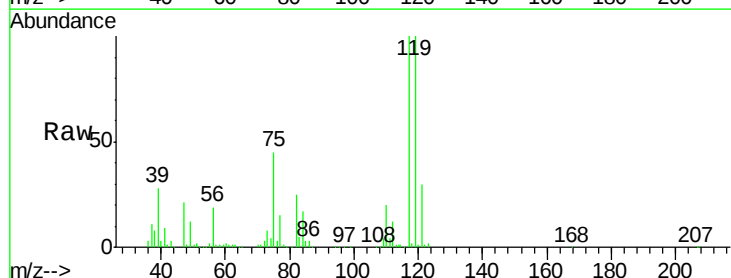
Manual Integrations
APPROVED

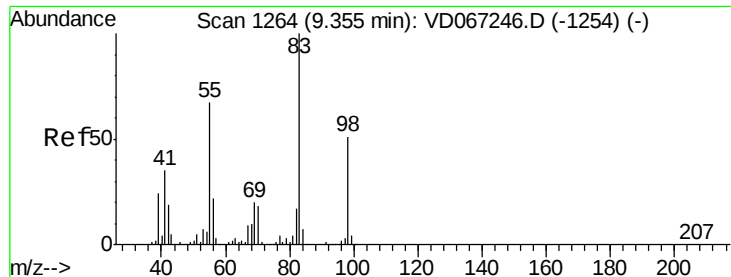
MMDadoda
10/15/2020 12:18:43 PM



#38
Carbon Tetrachloride
Concen: 52.729 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067261.D
Acq: 14 Oct 2020 10:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.7	75.0	112.4
121	29.6	24.9	37.3





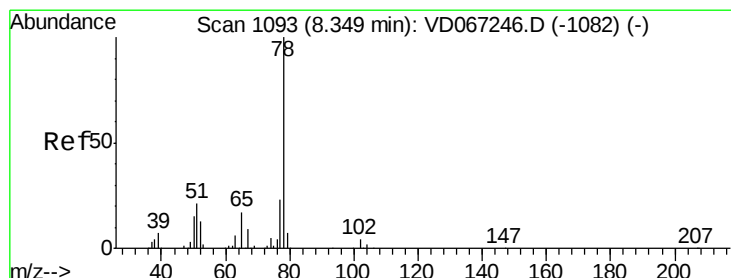
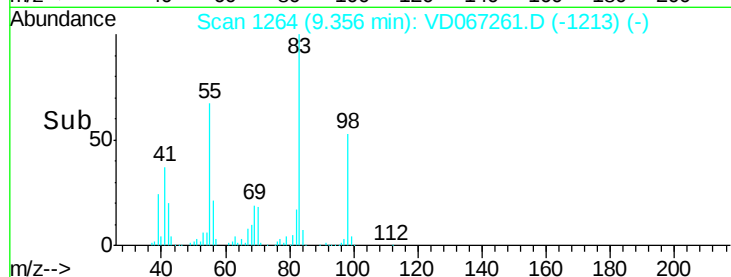
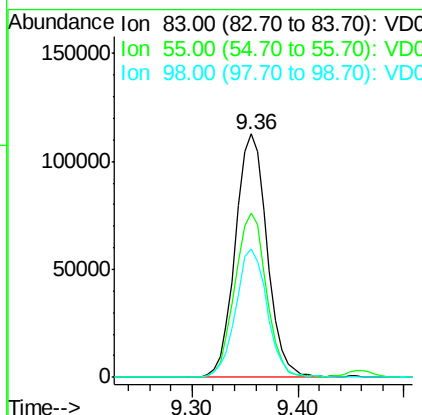
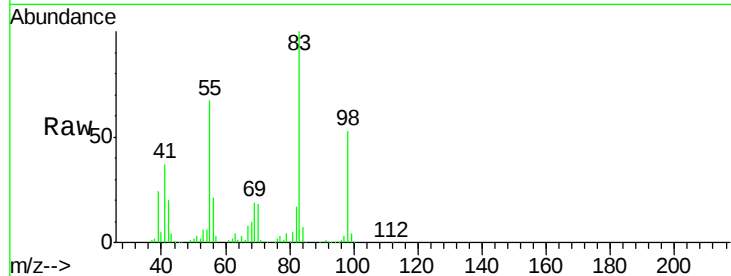
#39
Methvlcvclohexane
Concen: 53.735 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067261.D
Acq: 14 Oct 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.2	53.3	79.9
98	52.7	41.0	61.4

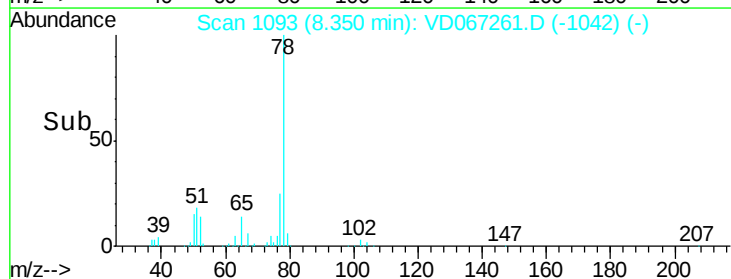
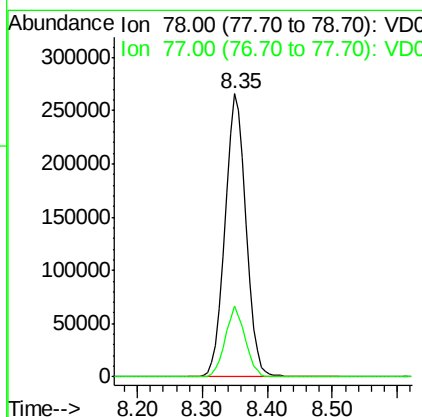
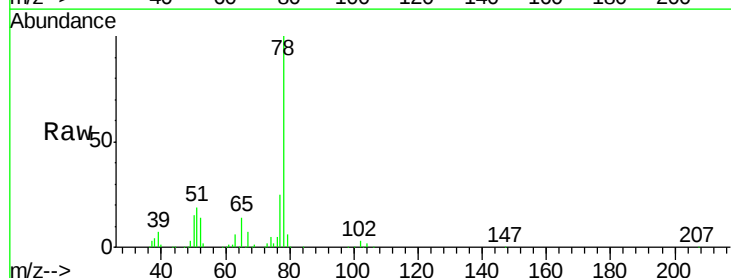
Manual Integrations
APPROVED

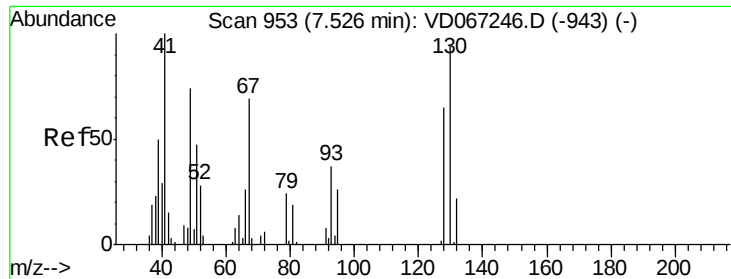
MMDadoda
10/15/2020 12:18:43 PM



#40
Benzene
Concen: 51.859 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067261.D
Acq: 14 Oct 2020 10:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	18.3	27.5





#41

Methacrylonitrile

Concen: 56.275 ug/l m

RT: 7.53 min Scan# 953

Delta R.T. 0.00 min

Lab File: VD067261.D

Acq: 14 Oct 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 37363

Ion Ratio Lower Upper

41 100

39 0.0 60.0 90.0#

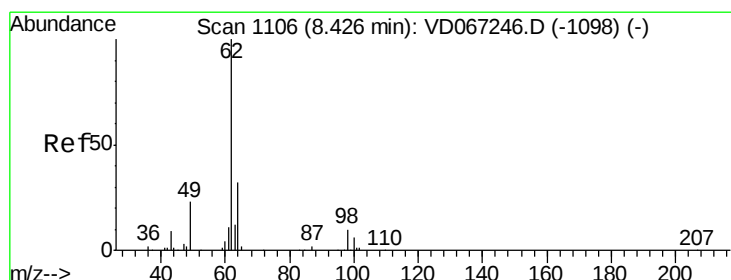
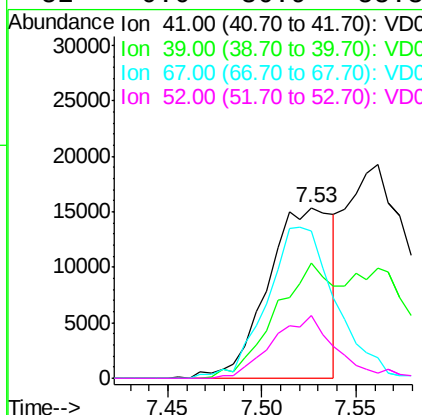
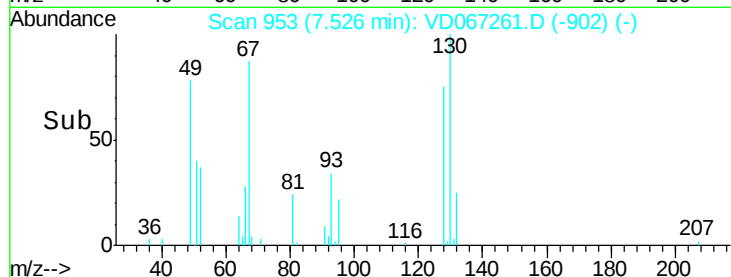
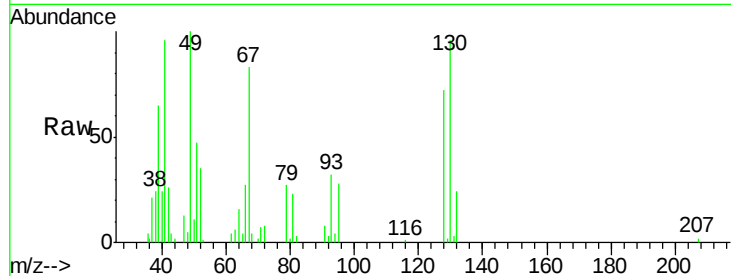
67 0.0 88.9 133.3#

52 0.0 36.9 55.3#

Manual Integrations
APPROVED

MMDadoda

10/15/2020 12:18:43 PM



#42

1,2-Dichloroethane

Concen: 50.910 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067261.D

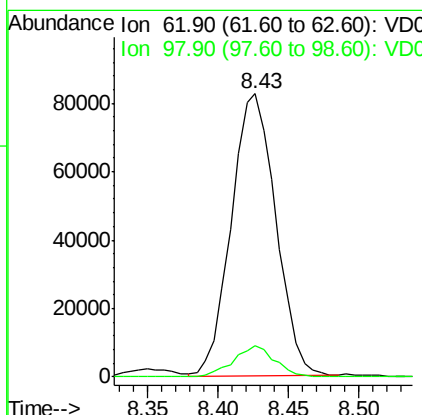
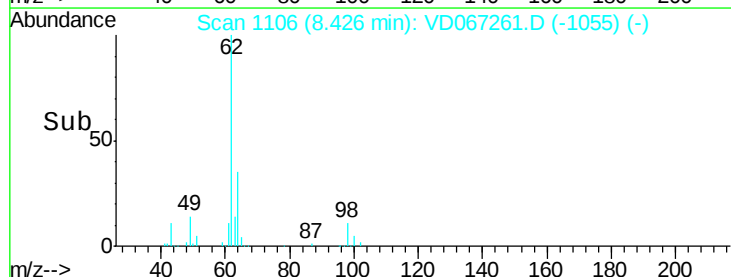
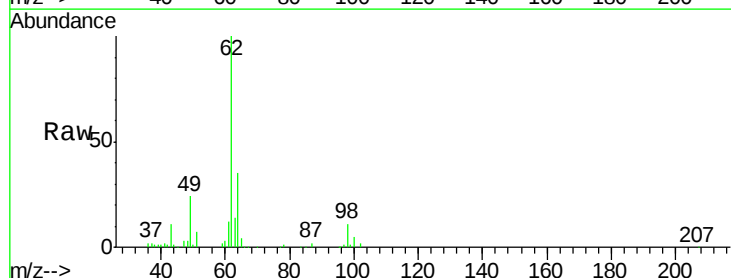
Acq: 14 Oct 2020 10:26

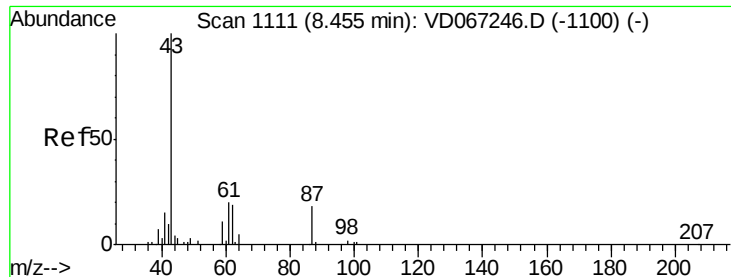
Tgt Ion: 62 Resp: 182522

Ion Ratio Lower Upper

62 100

98 10.3 0.0 19.4





#43

Isopropyl Acetate

Concen: 50.137 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD067261.D

Acq: 14 Oct 2020 10:26

Instrument :

MSVOA_D

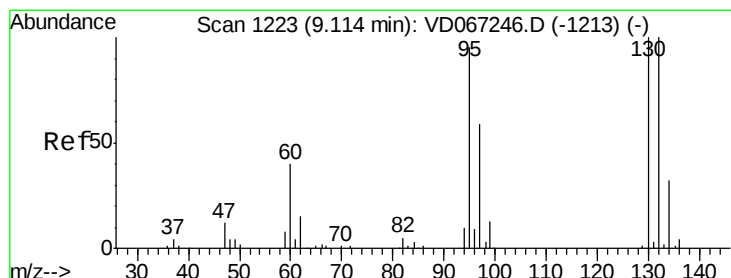
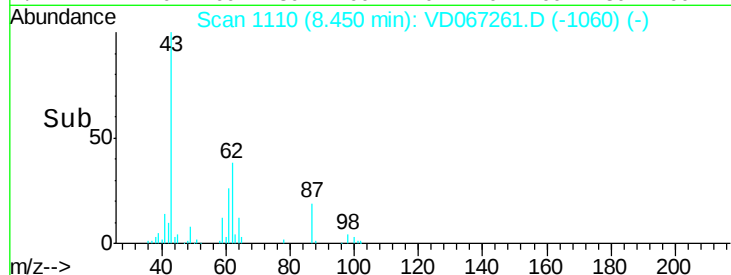
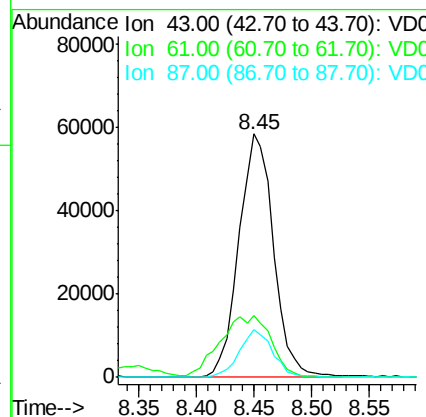
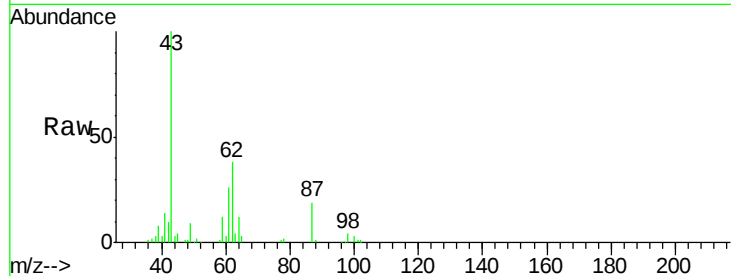
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	122229
Ion	Ratio	Lower	Upper
43	100		
61	37.3	29.5	44.3
87	18.7	14.2	21.4

Manual Integrations
APPROVED

MMDadoda
10/15/2020 12:18:43 PM



#44

Trichloroethene

Concen: 51.334 ug/l

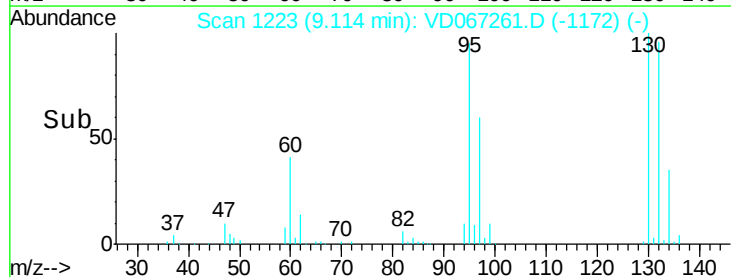
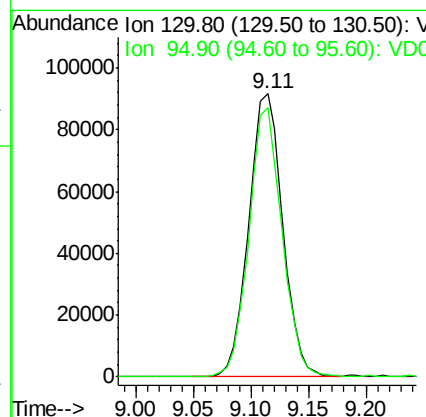
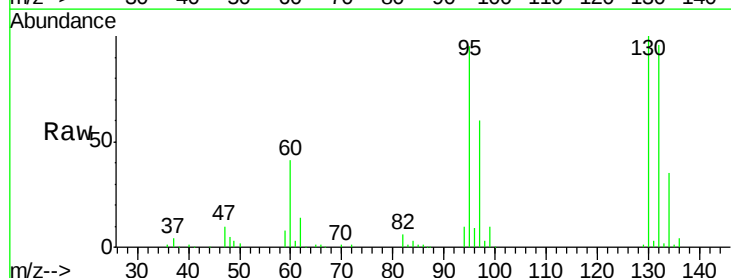
RT: 9.11 min Scan# 1223

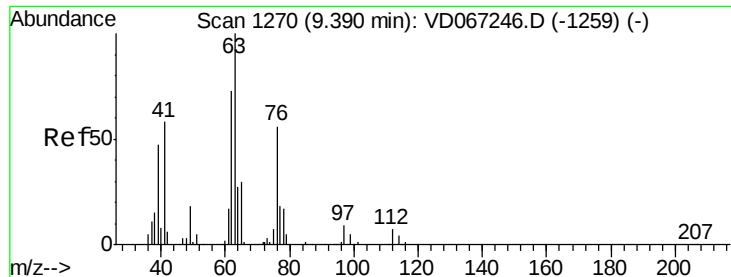
Delta R.T. 0.00 min

Lab File: VD067261.D

Acq: 14 Oct 2020 10:26

Tgt Ion:	130	Resp:	188291
Ion	Ratio	Lower	Upper
130	100		
95	95.2	0.0	190.6





#45

1,2-Dichloropropane

Concen: 51.467 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD067261.D

Acq: 14 Oct 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 136648

Ion Ratio Lower Upper

63 100

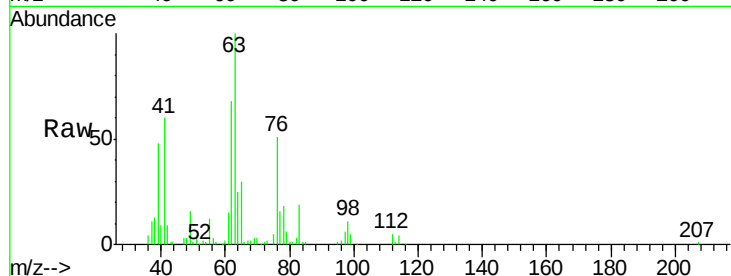
65 30.1 24.6 36.8

Manual Integrations

APPROVED

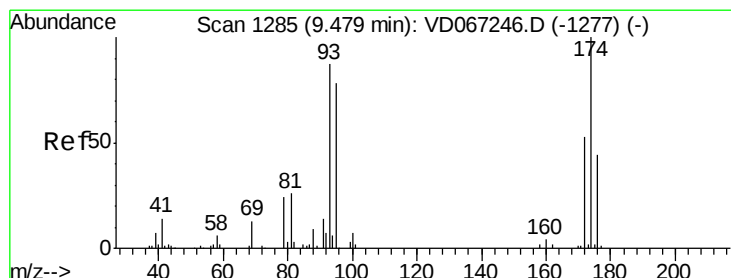
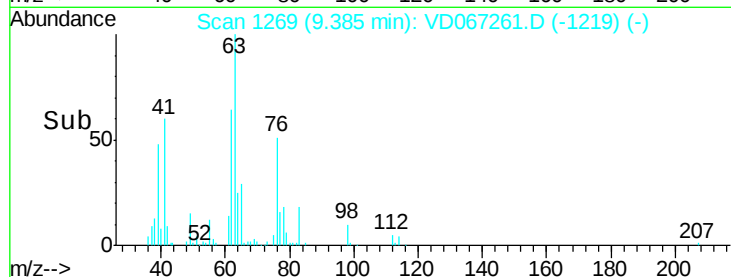
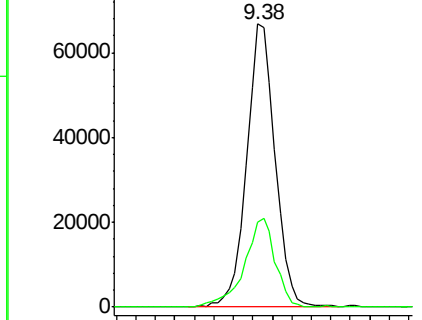
MMDadoda

10/15/2020 12:18:43 PM



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 51.189 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067261.D

Acq: 14 Oct 2020 10:26

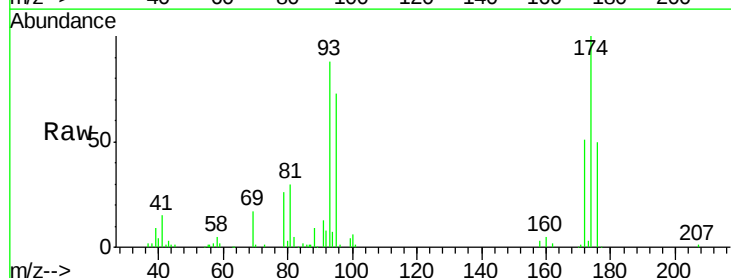
Tgt Ion: 93 Resp: 84678

Ion Ratio Lower Upper

93 100

95 82.2 68.0 102.0

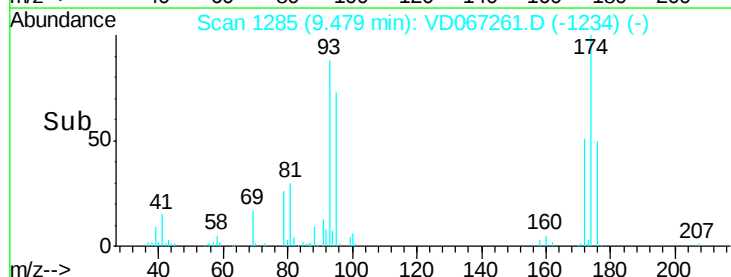
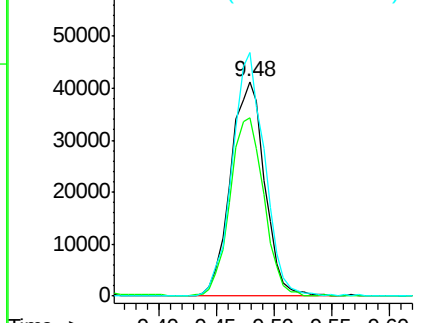
174 108.1 91.8 137.6

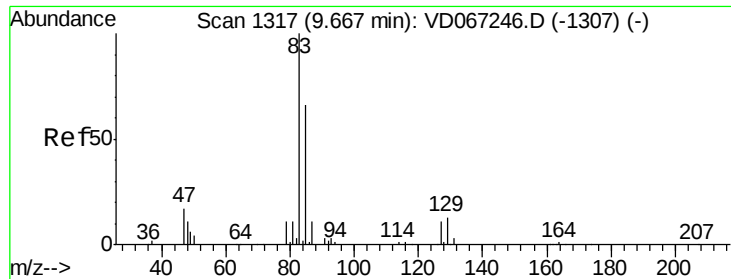


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





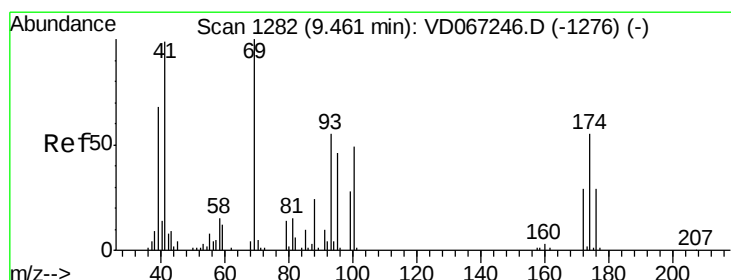
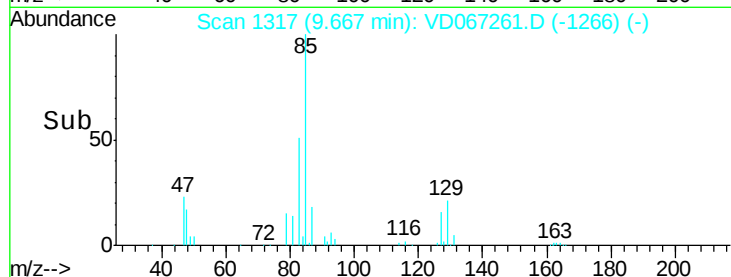
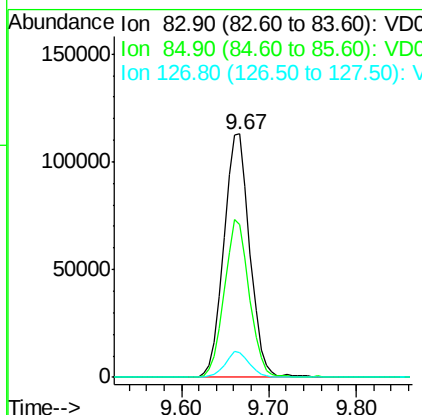
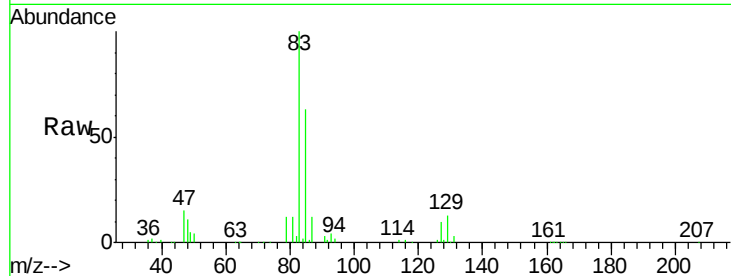
#47
Bromodichloromethane
Concen: 51.861 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD067261.D
Acq: 14 Oct 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	229850		
85	62.8		53.1	79.7
127	10.0		8.6	13.0

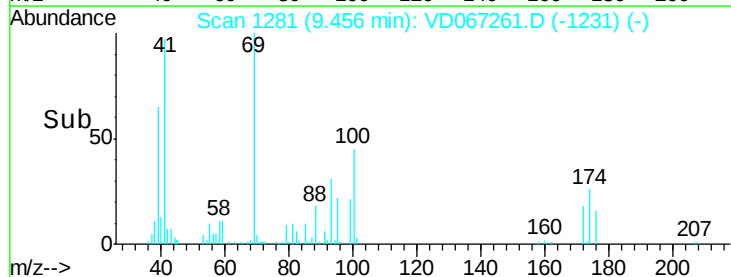
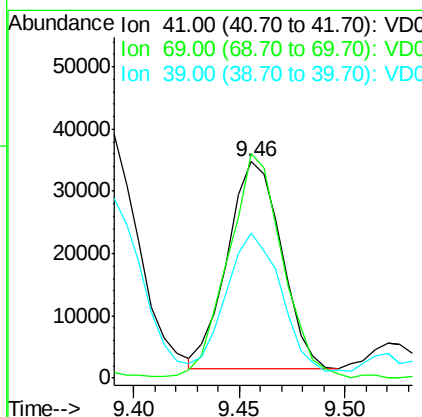
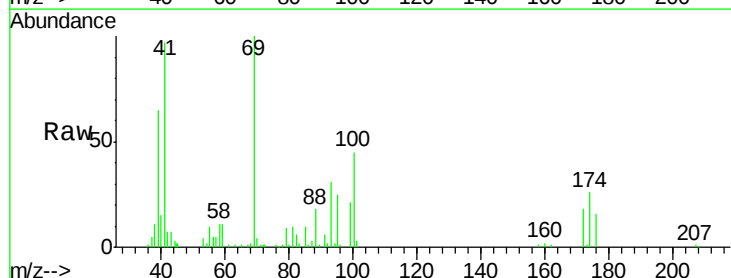
Manual Integrations
APPROVED

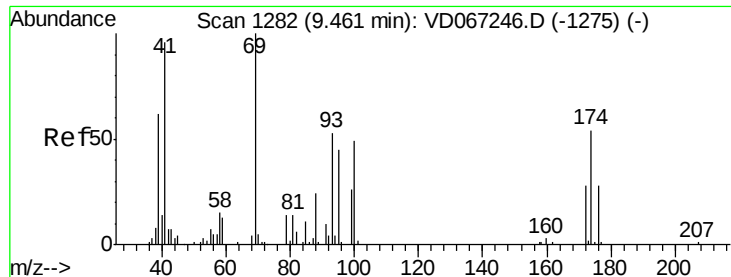
MMDadoda
10/15/2020 12:18:43 PM



#48
Methyl methacrylate
Concen: 50.044 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD067261.D
Acq: 14 Oct 2020 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	59290		
69	108.6		89.0	133.6
39	75.1		60.2	90.2





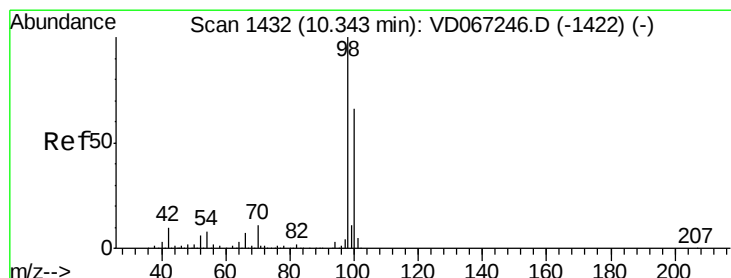
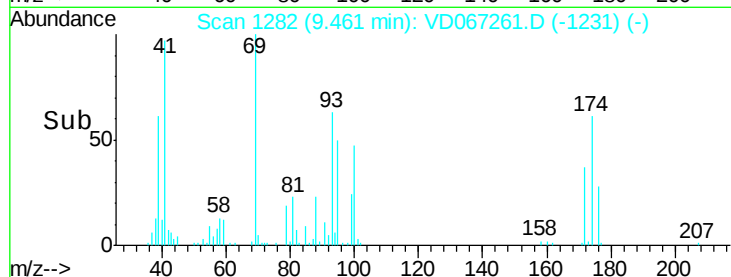
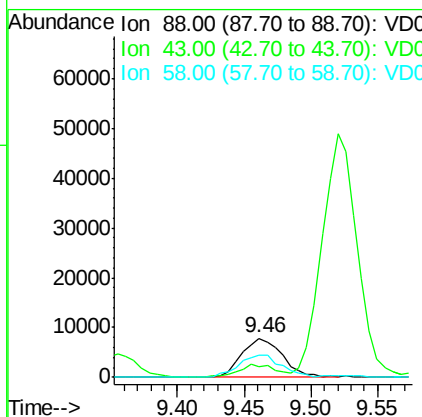
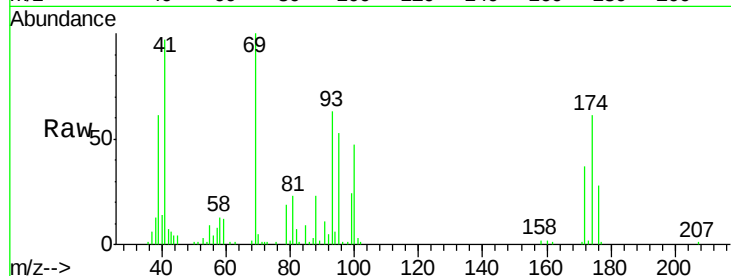
#49
1,4-Dioxane
Concen: 1049.248 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067261.D
Acq: 14 Oct 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	16773
Ion	Ratio	Lower	Upper
88	100		
43	30.7	23.9	35.9
58	58.9	51.0	76.6

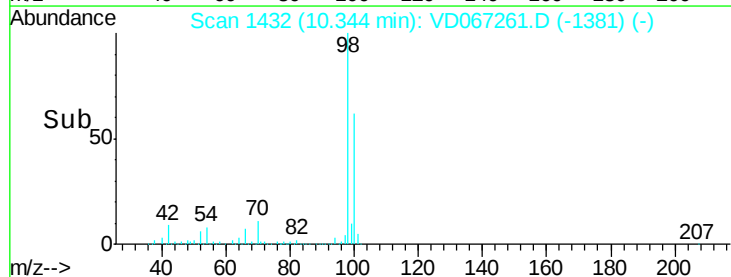
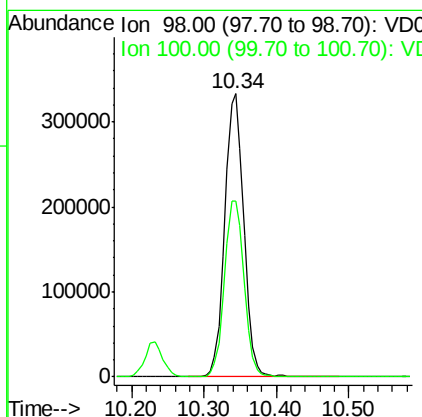
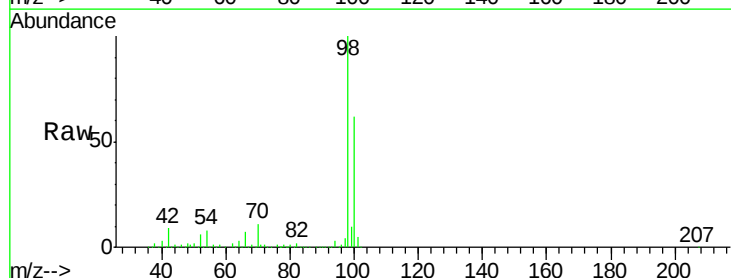
Manual Integrations
APPROVED

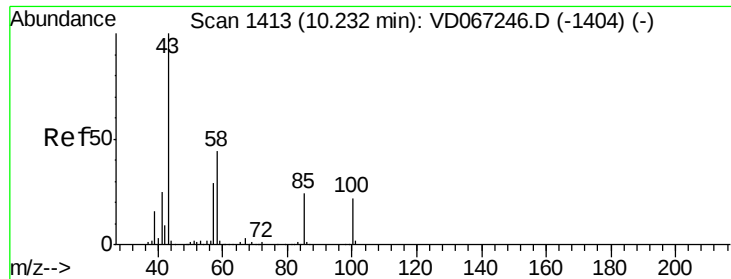
MMDadoda
10/15/2020 12:18:43 PM



#50
Toluene-d8
Concen: 51.124 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067261.D
Acq: 14 Oct 2020 10:26

Tgt Ion	98	Resp	606637
Ion	Ratio	Lower	Upper
98	100		
100	64.6	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 258.415 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067261.D

Acq: 14 Oct 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 314223

Ion Ratio Lower Upper

43 100

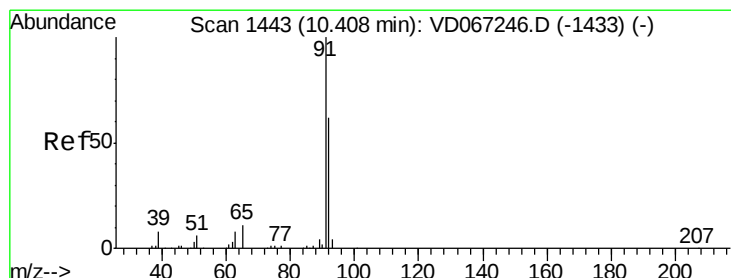
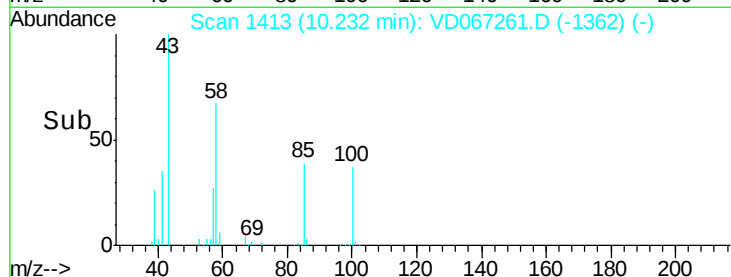
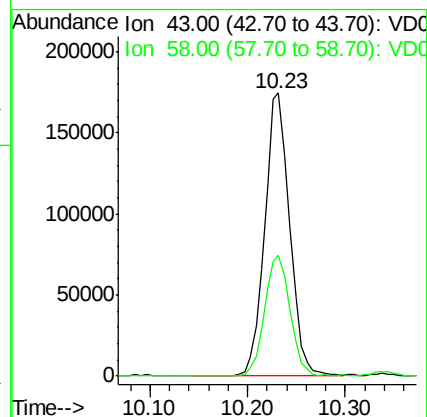
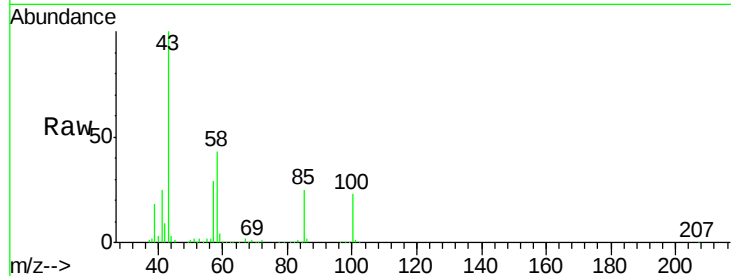
58 43.7 35.7 53.5

Manual Integrations

APPROVED

MMDadoda

10/15/2020 12:18:43 PM



#52

Toluene

Concen: 53.150 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067261.D

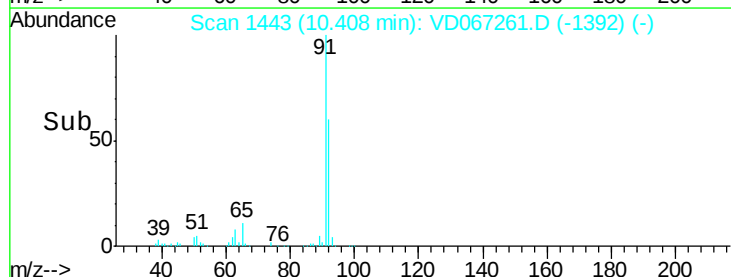
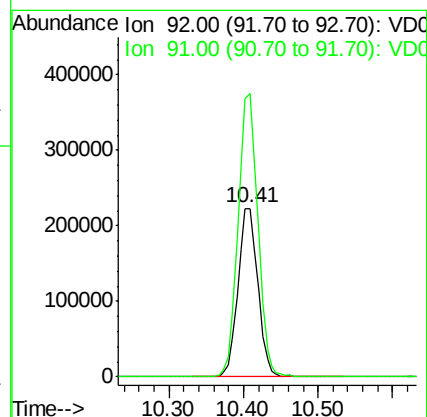
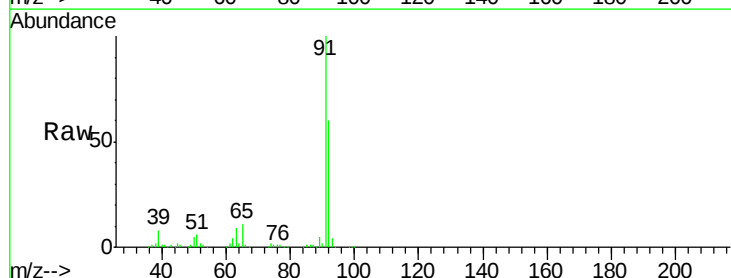
Acq: 14 Oct 2020 10:26

Tgt Ion: 92 Resp: 414721

Ion Ratio Lower Upper

92 100

91 167.7 133.8 200.8





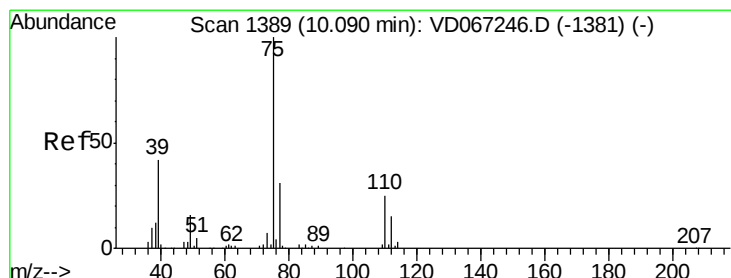
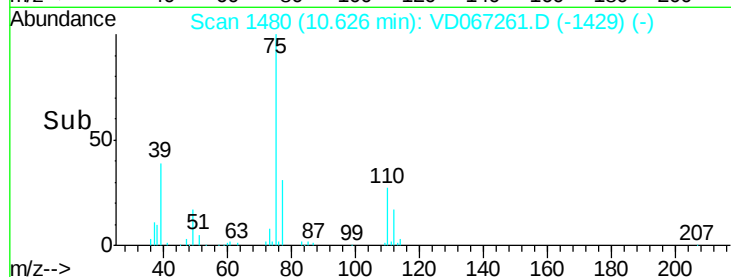
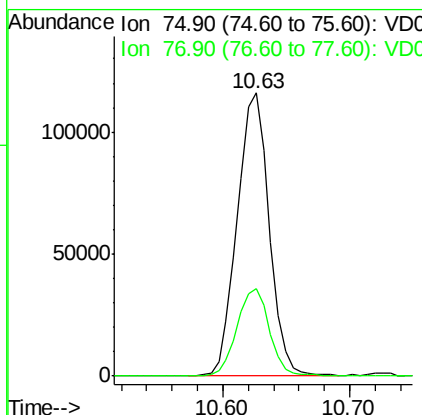
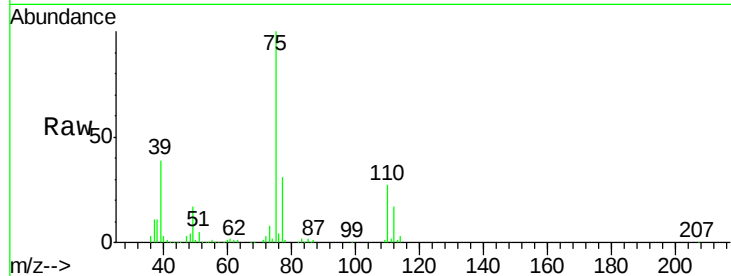
#53
t-1,3-Dichloropropene
Concen: 52.308 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067261.D
Acq: 14 Oct 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	26.5	39.7

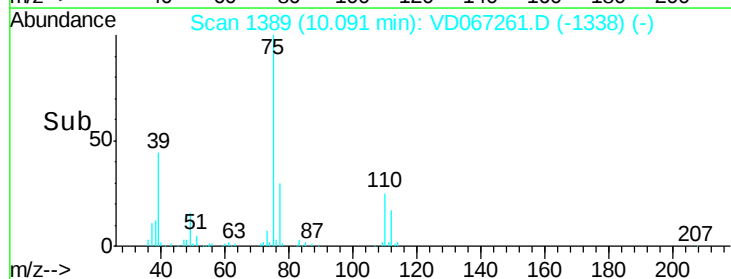
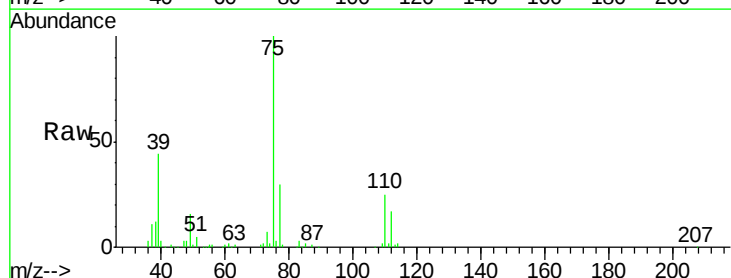
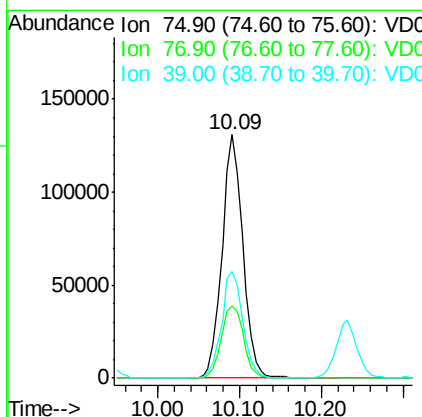
Manual Integrations
APPROVED

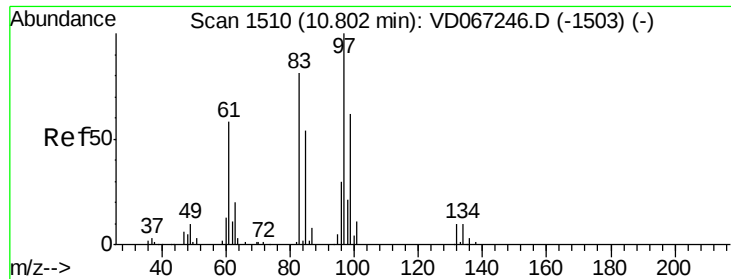
MMDadoda
10/15/2020 12:18:43 PM



#54
cis-1,3-Dichloropropene
Concen: 50.869 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD067261.D
Acq: 14 Oct 2020 10:26

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.9	24.5	36.7
39	43.4	33.7	50.5





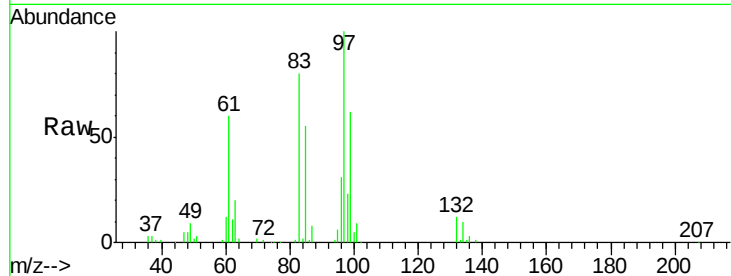
#55
 1,1,2-Trichloroethane
 Concen: 51.350 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067261.D
 Acq: 14 Oct 2020 10:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

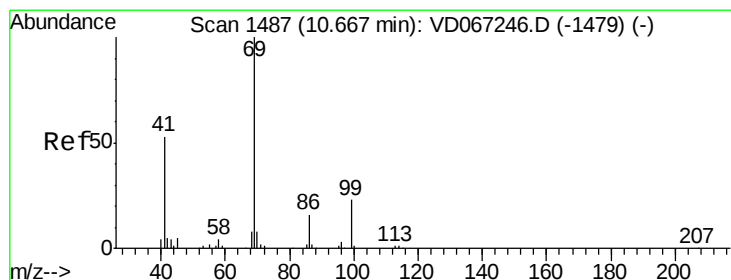
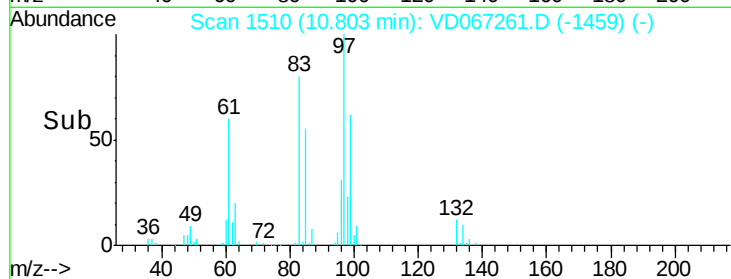
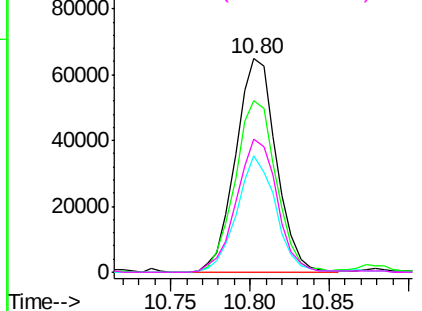
Tot Ion:	97	Resp:	115833
Ion	Ratio	Lower	Upper
97	100		
83	80.4	64.9	97.3
85	54.8	43.3	64.9
99	62.4	49.1	73.7

Manual Integrations
 APPROVED

MMDadoda
 10/15/2020 12:18:43 PM

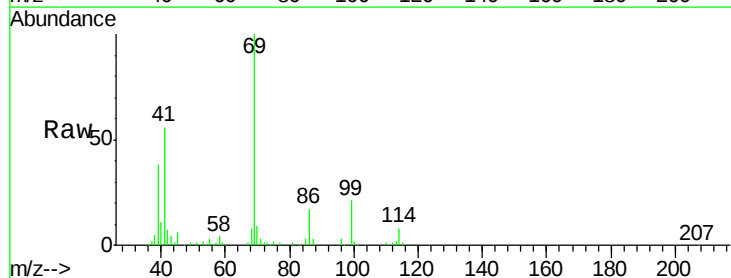


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

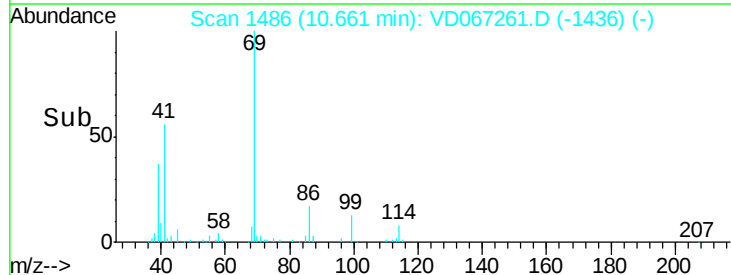
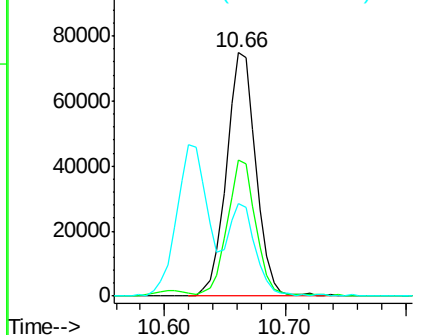


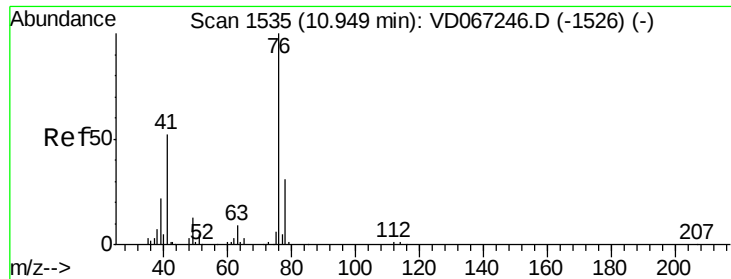
#56
 Ethyl methacrylate
 Concen: 54.112 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD067261.D
 Acq: 14 Oct 2020 10:26

Tgt Ion:	69	Resp:	126595
Ion	Ratio	Lower	Upper
69	100		
41	53.1	44.7	67.1
39	35.6	26.2	39.2



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.00 (40.70 to 41.70): VDC
 Ion 39.00 (38.70 to 39.70): VDC





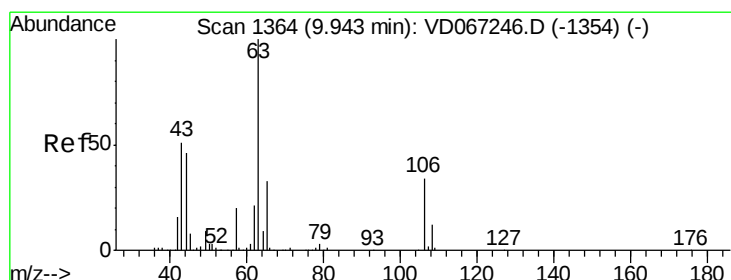
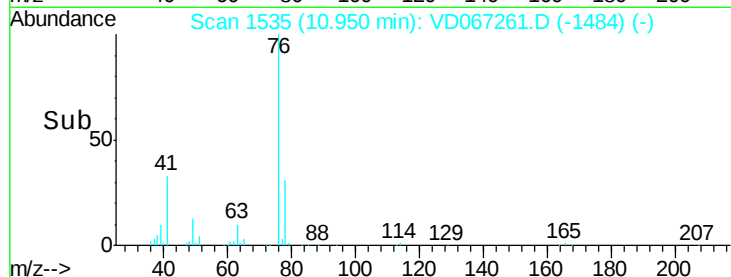
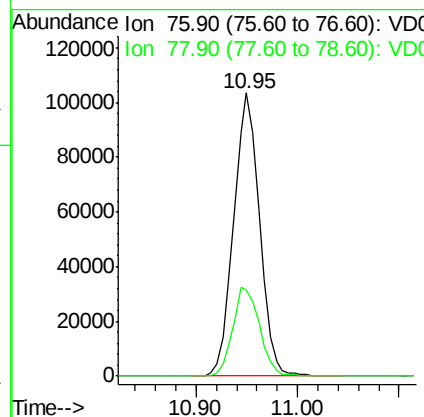
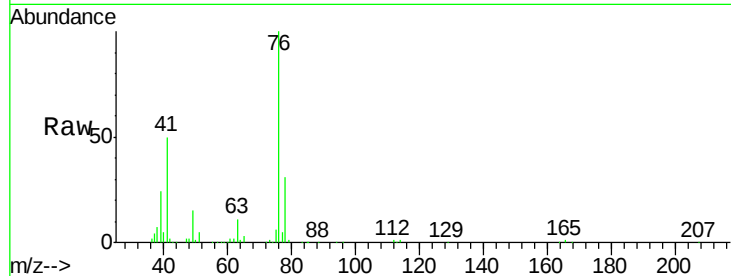
#57
 1,3-Dichloropropane
 Concen: 51.054 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067261.D
 Acq: 14 Oct 2020 10:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 183278
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.8 40.2

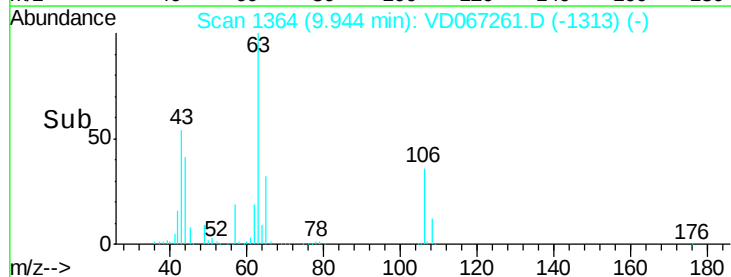
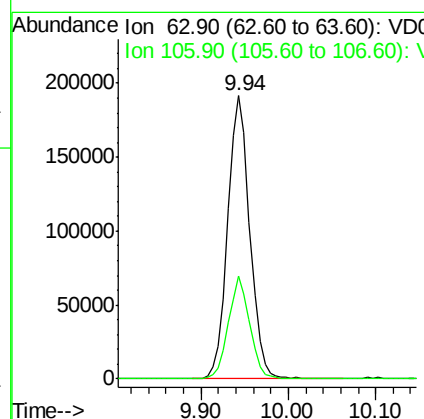
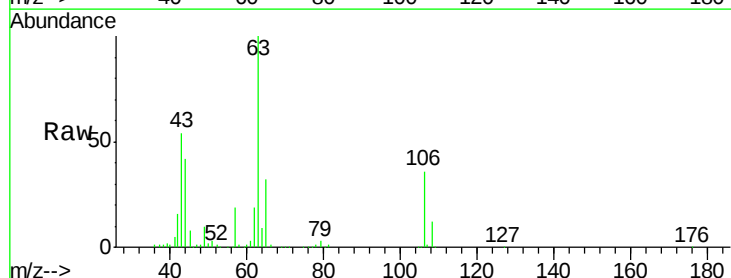
Manual Integrations
 APPROVED

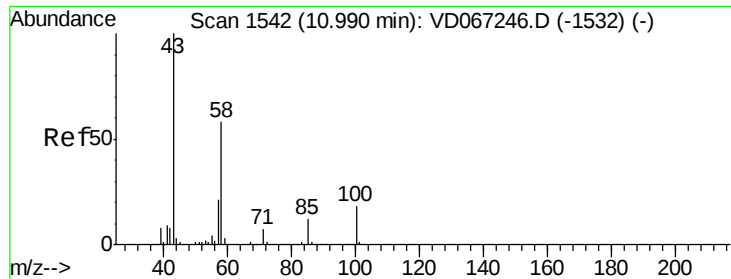
MMDadoda
 10/15/2020 12:18:43 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 275.242 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD067261.D
 Acq: 14 Oct 2020 10:26

Tgt Ion: 63 Resp: 330333
 Ion Ratio Lower Upper
 63 100
 106 34.5 27.8 41.6





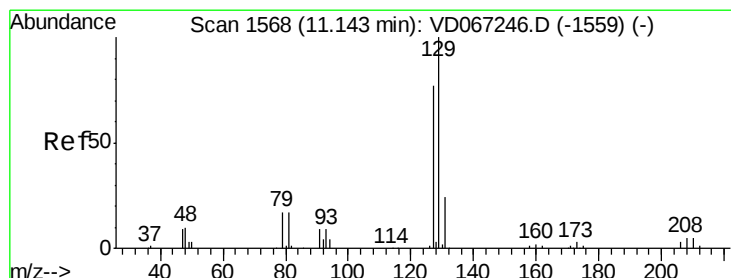
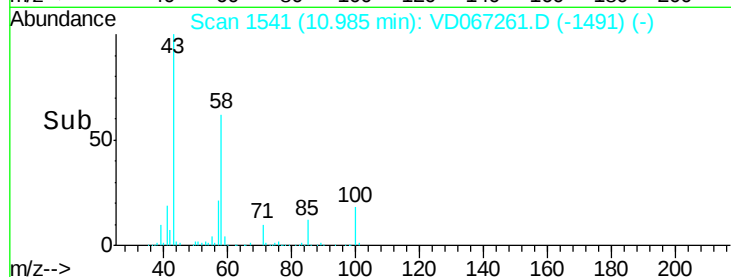
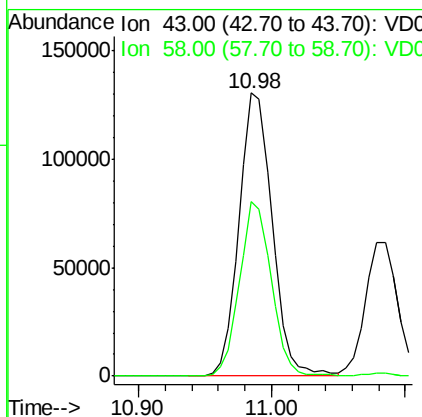
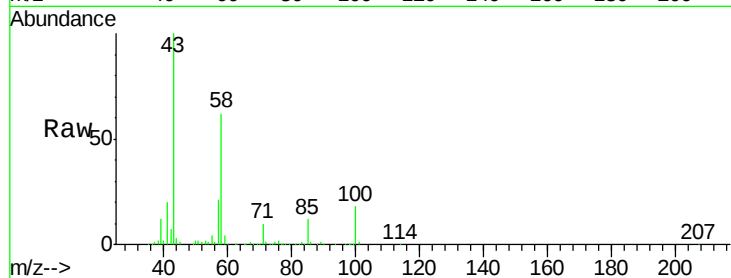
#59
2-Hexanone
Concen: 270.500 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD067261.D
Acq: 14 Oct 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 224759
Ion Ratio Lower Upper
43 100
58 59.0 29.3 87.9

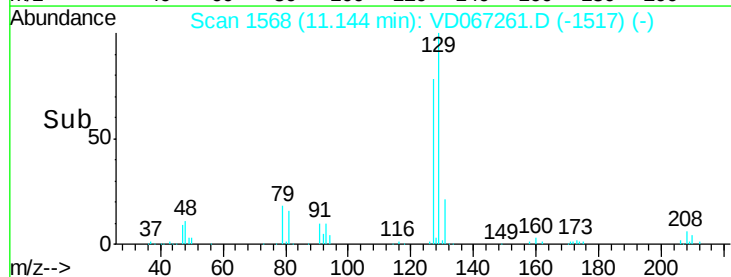
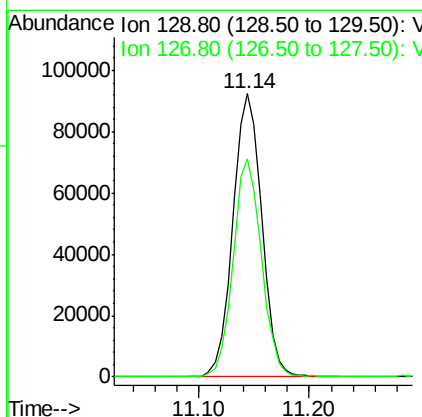
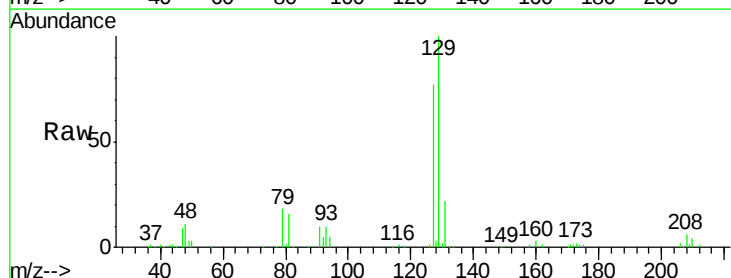
Manual Integrations
APPROVED

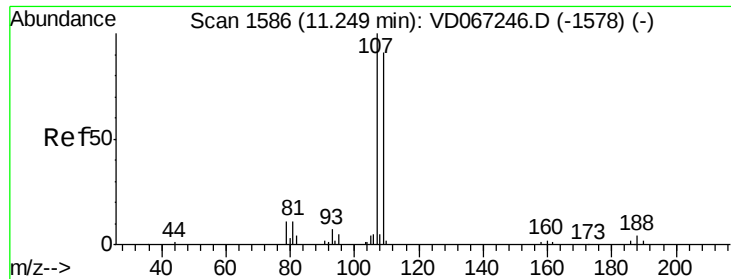
MMDadoda
10/15/2020 12:18:43 PM



#60
Dibromochloromethane
Concen: 51.691 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067261.D
Acq: 14 Oct 2020 10:26

Tgt Ion: 129 Resp: 170049
Ion Ratio Lower Upper
129 100
127 75.3 38.3 114.8





#61

1,2-Dibromoethane

Concen: 51.739 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD067261.D

Acq: 14 Oct 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 115062

Ion Ratio Lower Upper

107 100

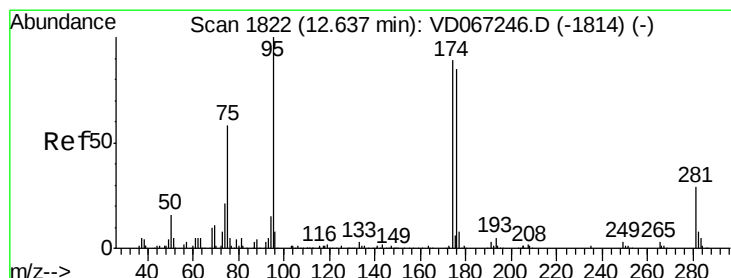
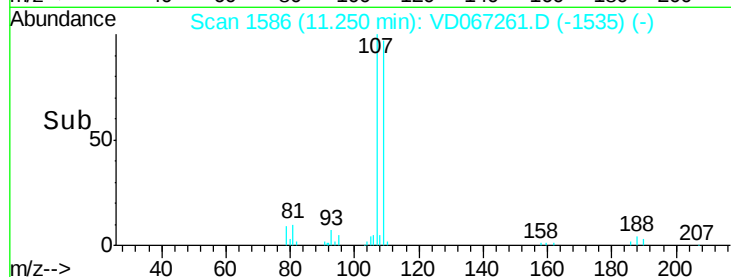
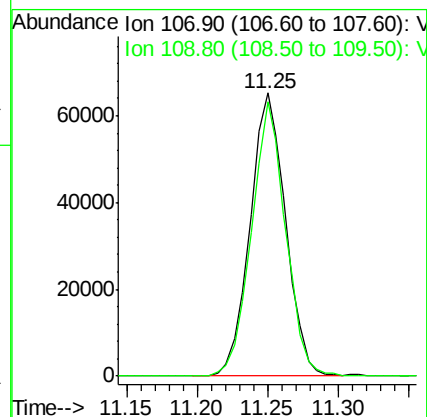
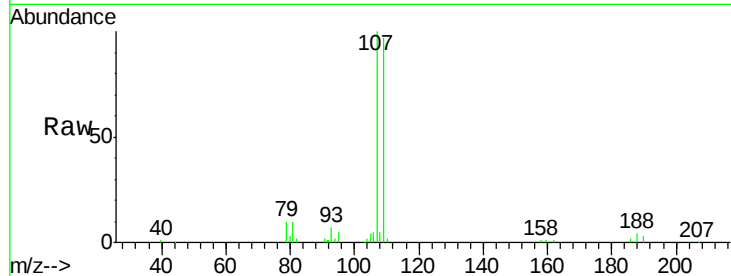
109 93.2 74.6 112.0

Manual Integrations

APPROVED

MMDadoda

10/15/2020 12:18:43 PM



#62

4-Bromofluorobenzene

Concen: 50.386 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067261.D

Acq: 14 Oct 2020 10:26

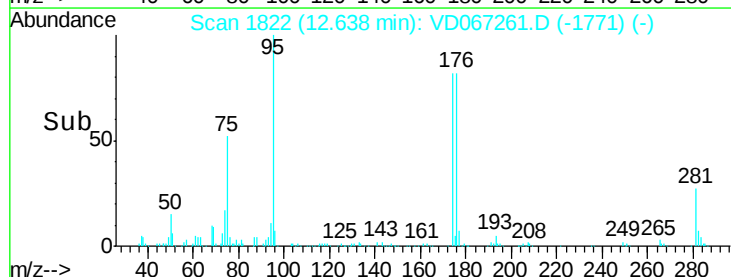
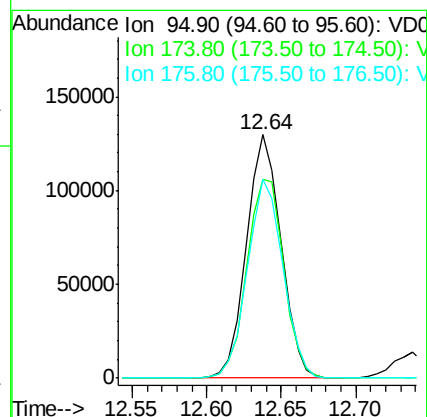
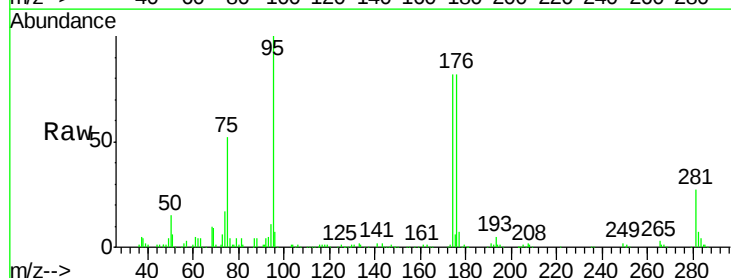
Tgt Ion: 95 Resp: 207895

Ion Ratio Lower Upper

95 100

174 87.2 0.0 175.2

176 84.2 0.0 168.6





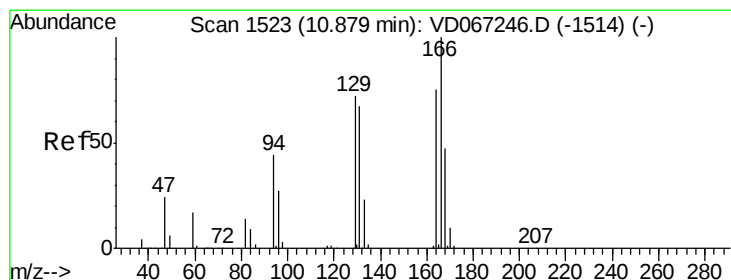
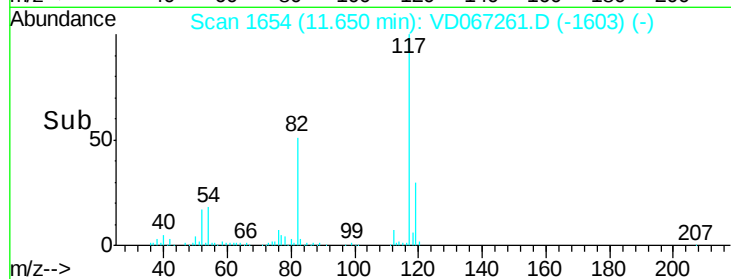
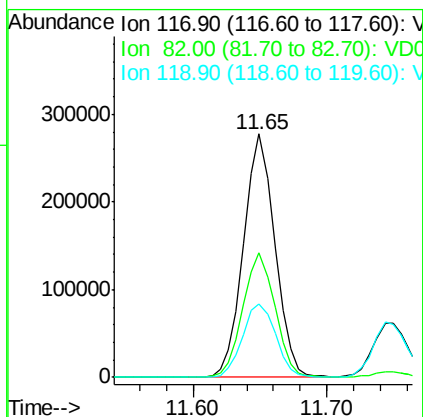
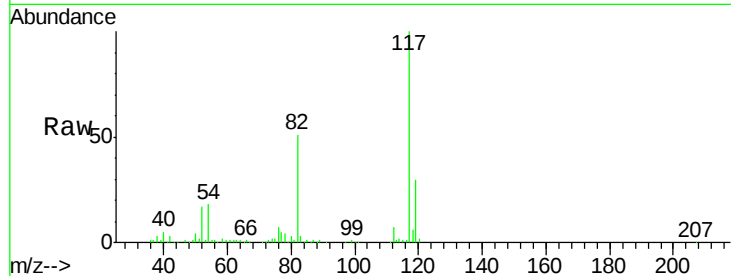
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067261.D
Acq: 14 Oct 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	452456		
82	51.2		39.9	59.9
119	30.0		24.9	37.3

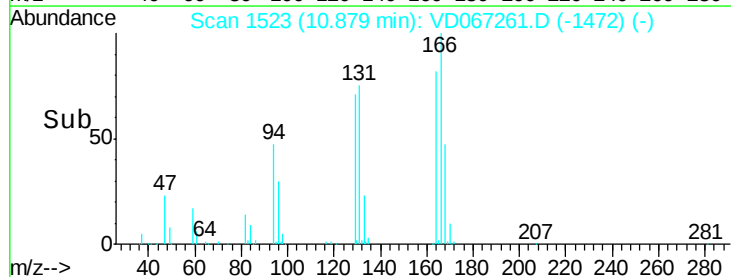
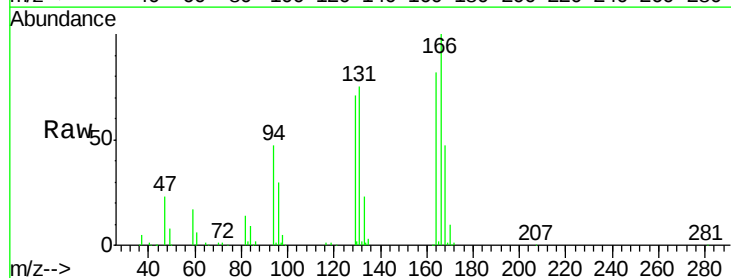
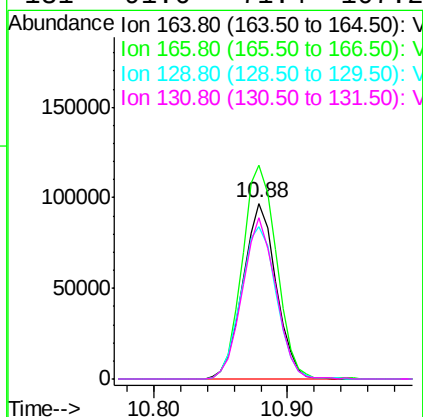
Manual Integrations
APPROVED

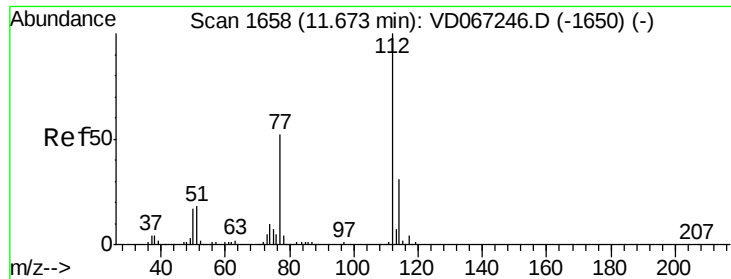
MMDadoda
10/15/2020 12:18:43 PM



#64
Tetrachloroethene
Concen: 50.816 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067261.D
Acq: 14 Oct 2020 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	166583		
166	121.8		107.3	160.9
129	86.7		77.3	115.9
131	91.6		71.4	107.2





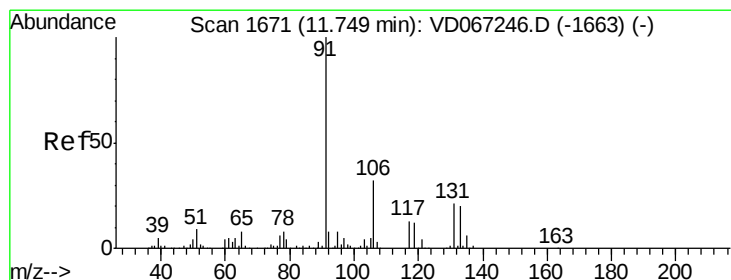
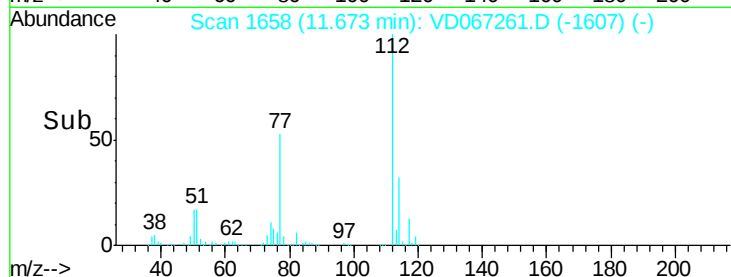
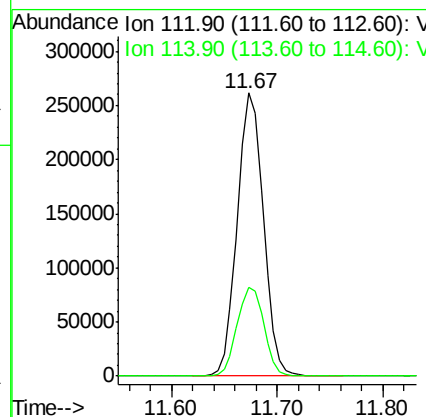
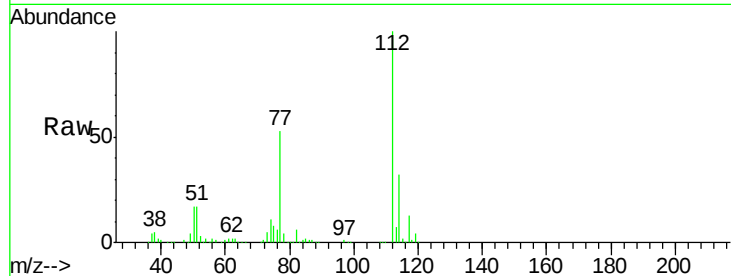
#65
Chlorobenzene
Concen: 51.481 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067261.D
Acq: 14 Oct 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.0	37.4

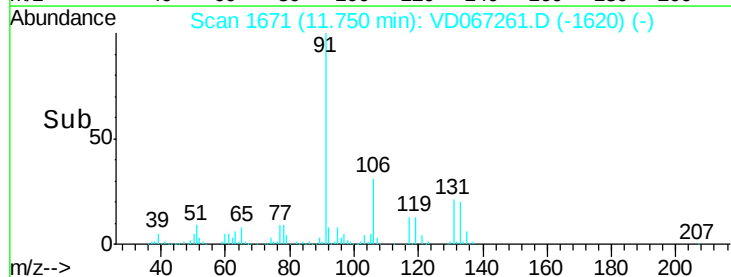
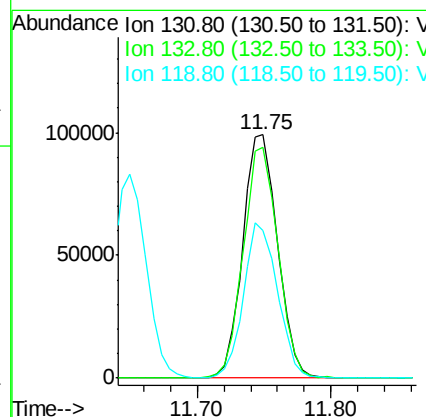
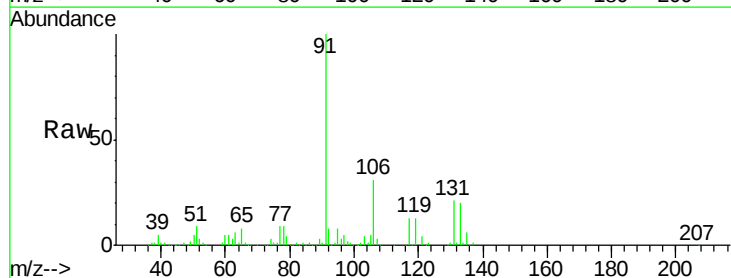
Manual Integrations
APPROVED

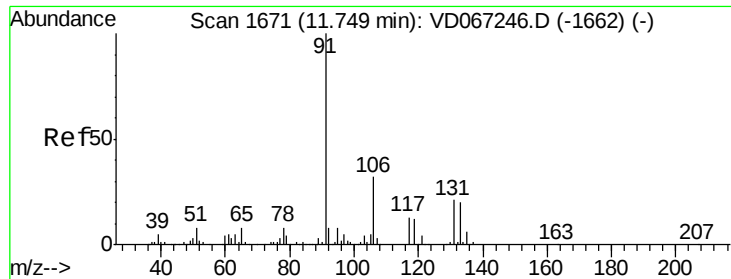
MMDadoda
10/15/2020 12:18:43 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.648 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067261.D
Acq: 14 Oct 2020 10:26

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.8	48.1	144.3
119	62.5	30.0	90.0





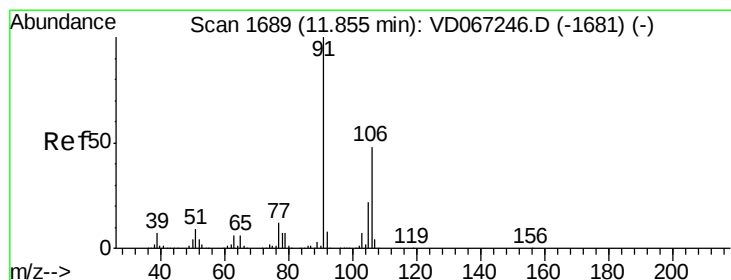
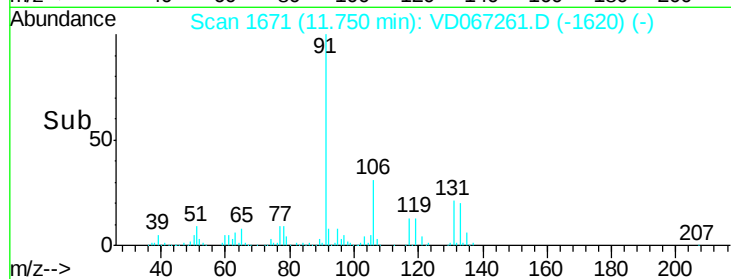
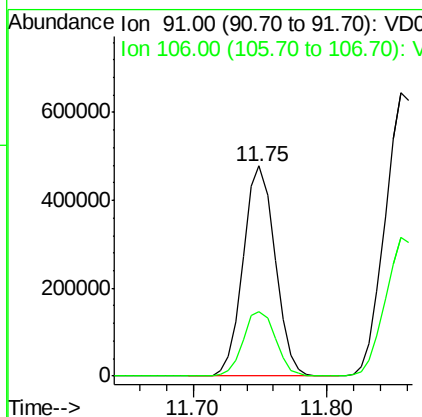
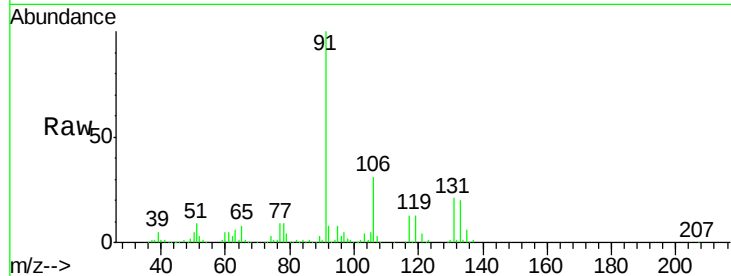
#67
Ethyl Benzene
Concen: 53.251 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067261.D
Acq: 14 Oct 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.7	25.4	38.0

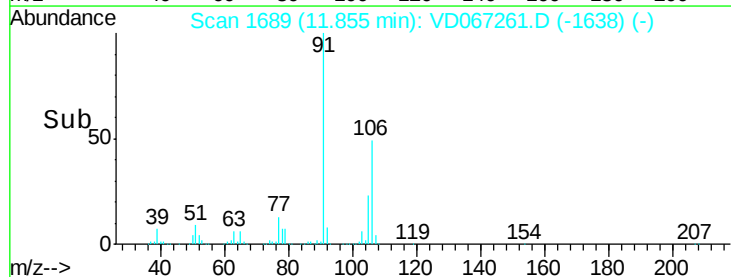
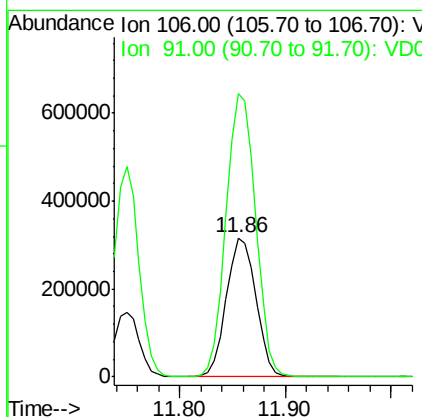
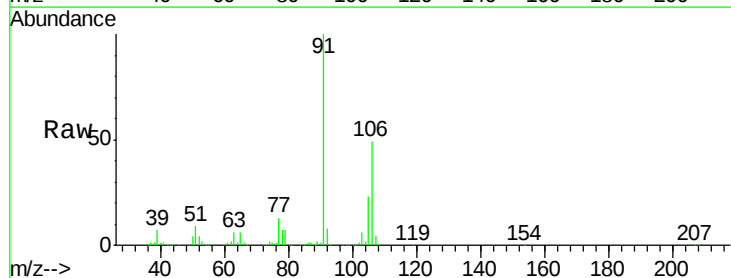
Manual Integrations
APPROVED

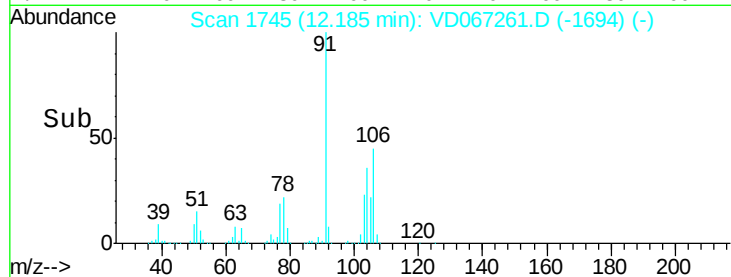
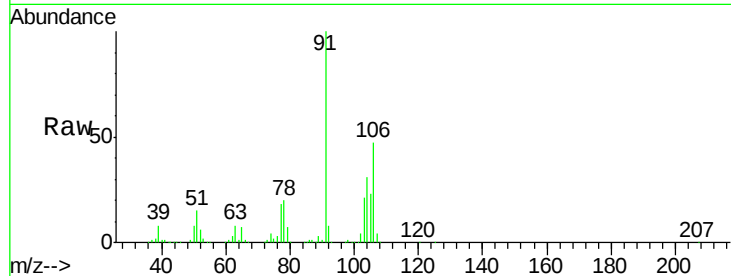
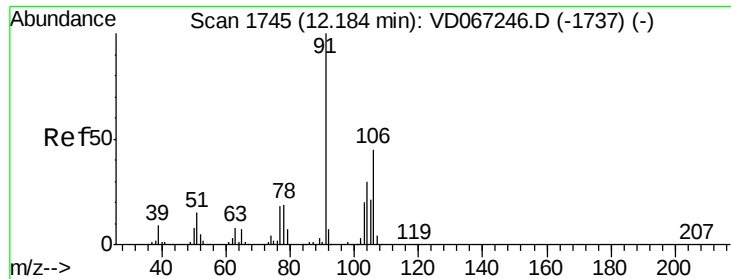
MMDadoda
10/15/2020 12:18:43 PM



#68
m/p-Xylenes
Concen: 106.699 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067261.D
Acq: 14 Oct 2020 10:26

Tgt Ion	Ratio	Lower	Upper
106	100		
91	203.7	163.8	245.8





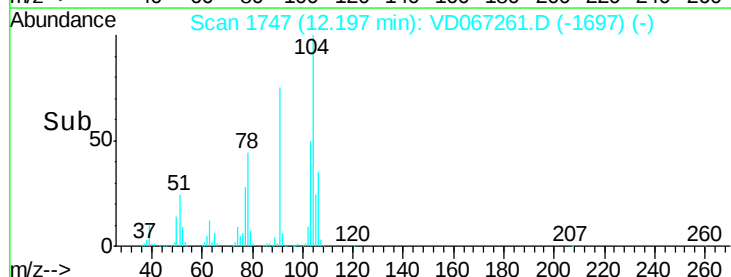
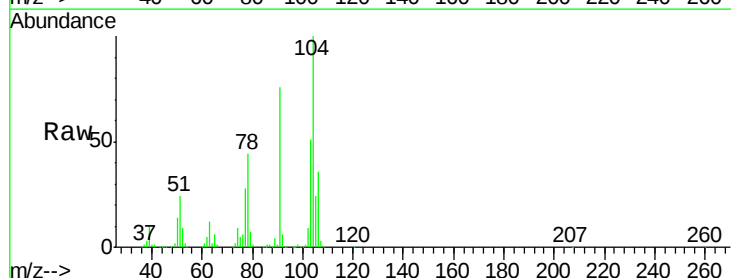
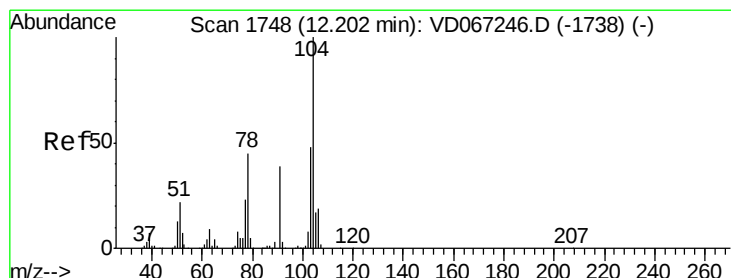
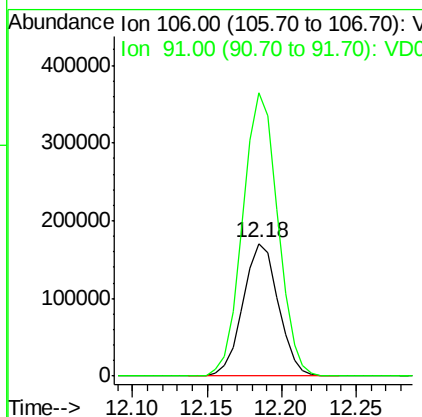
#69
o-Xylene
Concen: 52.891 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067261.D
Acq: 14 Oct 2020 10:26

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	280507		
91	91	212.1	109.1	327.3	

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

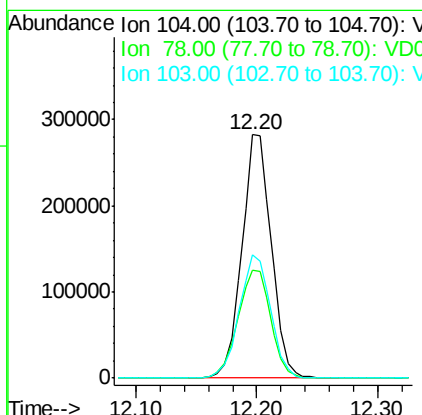
Manual Integrations
APPROVED

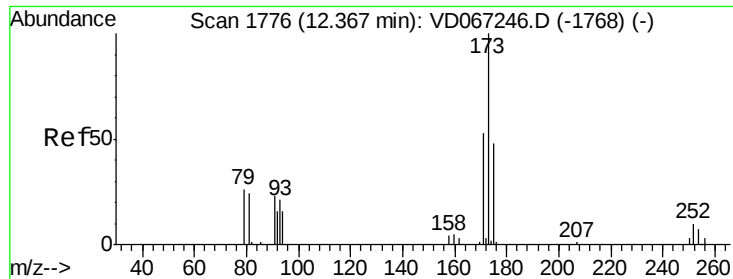
MMDadoda
10/15/2020 12:18:43 PM



#70
Styrene
Concen: 52.580 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067261.D
Acq: 14 Oct 2020 10:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	480035		
78	78	49.4	39.8	59.6	
103	103	54.0	42.6	64.0	





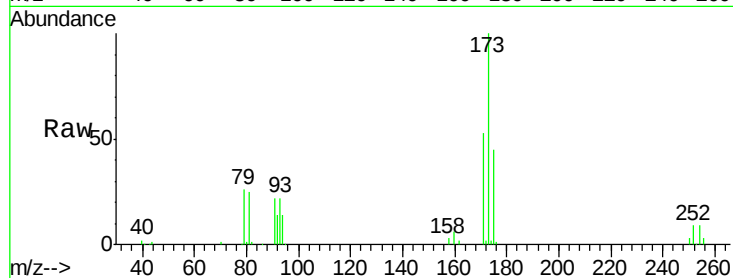
#71
Bromoform
Concen: 50.743 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD067261.D
Acq: 14 Oct 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

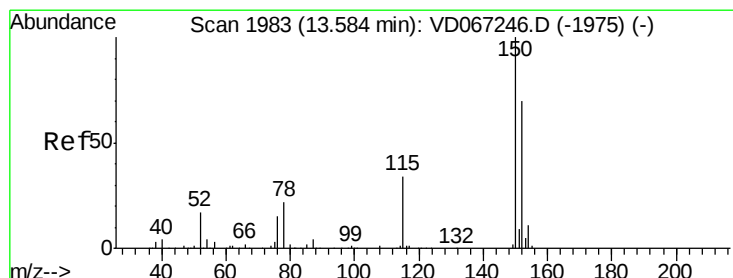
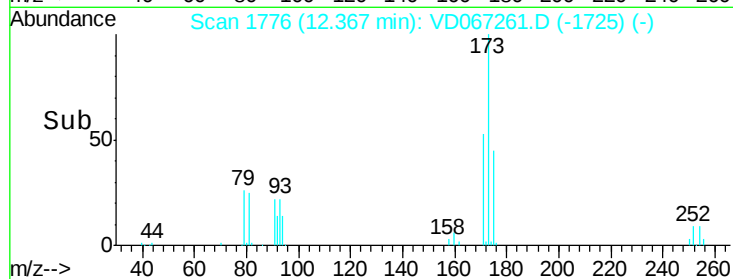
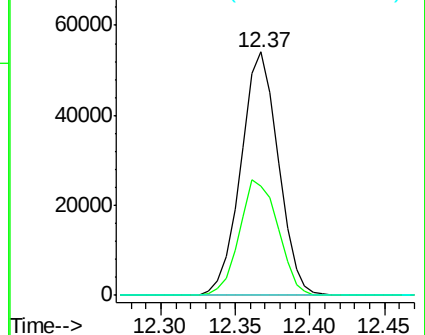
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.2	72.6
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
10/15/2020 12:18:43 PM

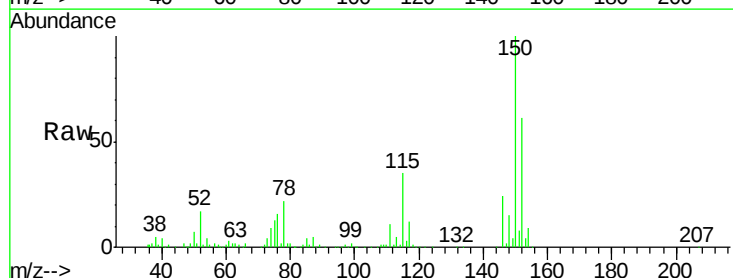


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

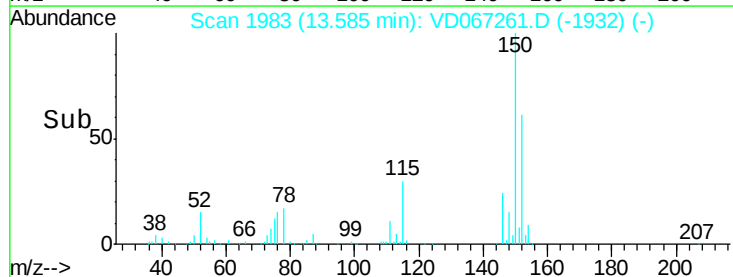
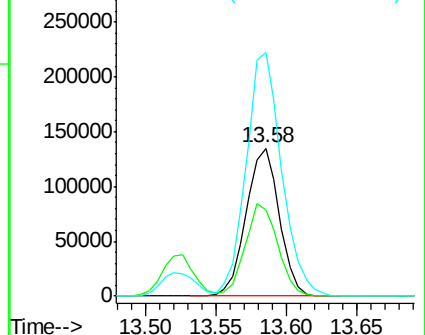


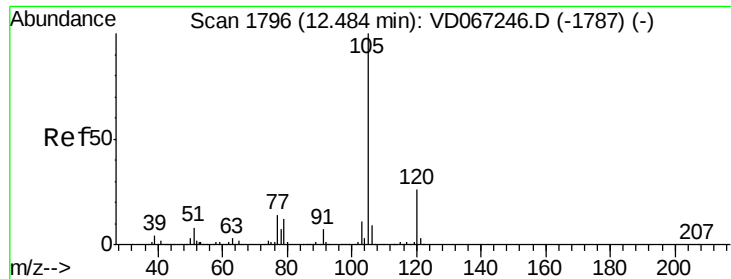
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD067261.D
Acq: 14 Oct 2020 10:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.1	29.3	87.9
150	176.6	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





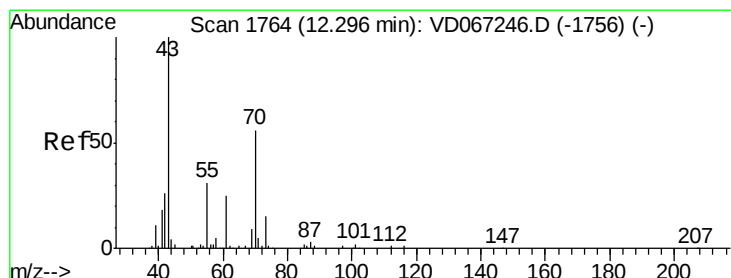
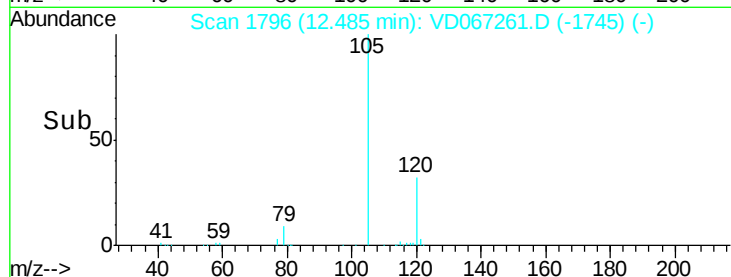
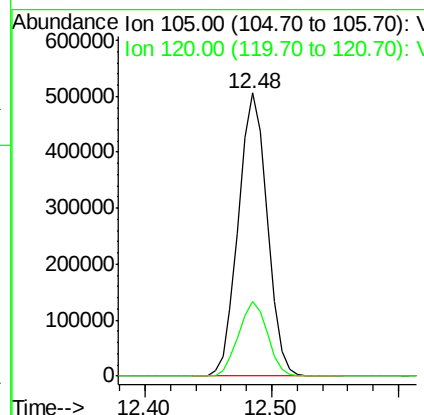
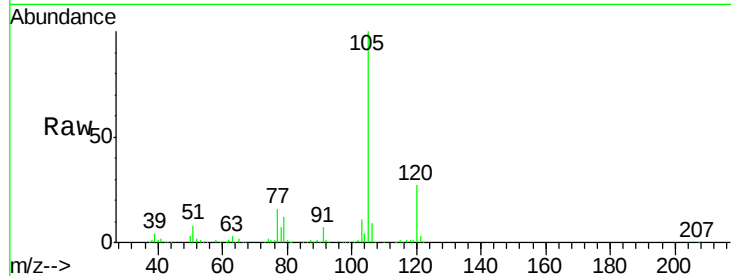
#73
Isopropylbenzene
Concen: 56.385 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD067261.D
Acq: 14 Oct 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.3	39.8

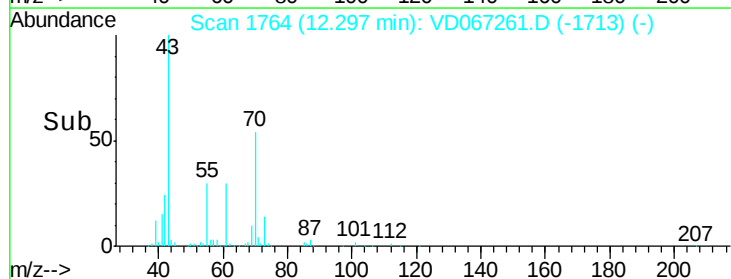
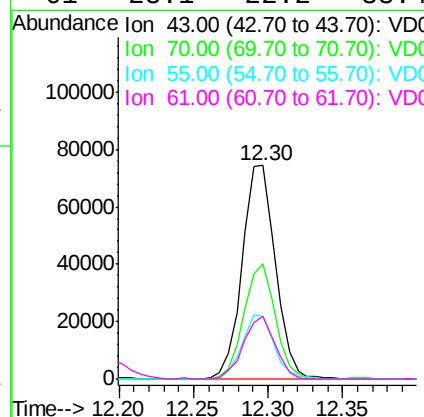
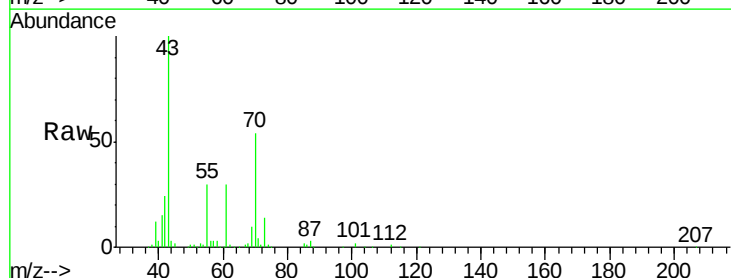
Manual Integrations
APPROVED

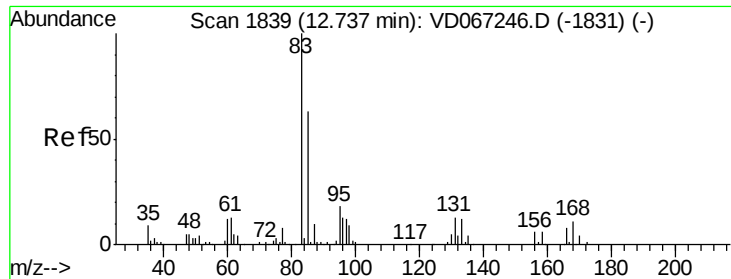
MMDadoda
10/15/2020 12:18:43 PM



#74
N-ethyl acetate
Concen: 53.822 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VD067261.D
Acq: 14 Oct 2020 10:26

Tgt Ion	Ratio	Lower	Upper
43	100		
70	51.1	42.7	64.1
55	29.4	24.0	36.0
61	28.1	22.2	33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 52.451 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067261.D

Acq: 14 Oct 2020 10:26

Instrument :

MSVOA_D

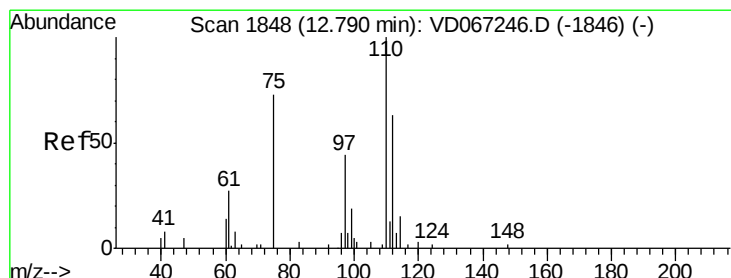
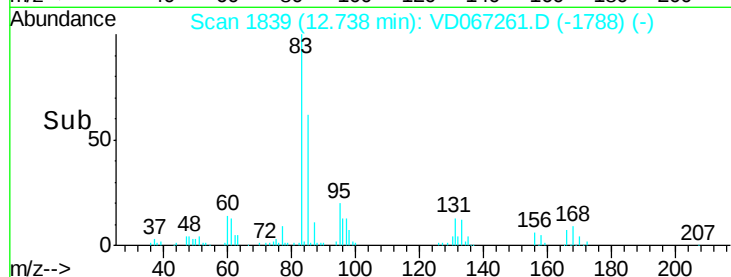
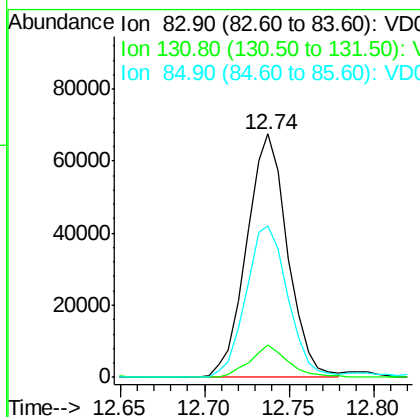
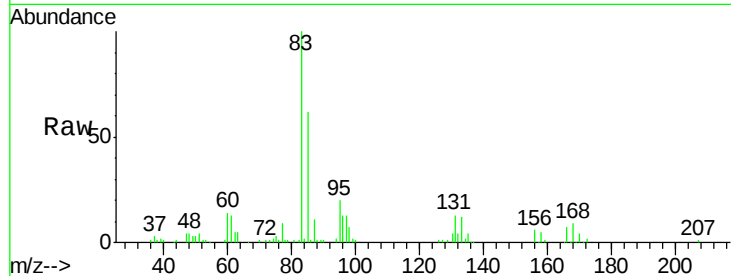
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	113583
Ion Ratio	Lower	Upper	
83	100		
131	12.6	6.5	19.5
85	63.5	32.6	97.7

Manual Integrations
APPROVED

MMDadoda
10/15/2020 12:18:43 PM



#76

1,2,3-Trichloropropane

Concen: 56.394 ug/l m

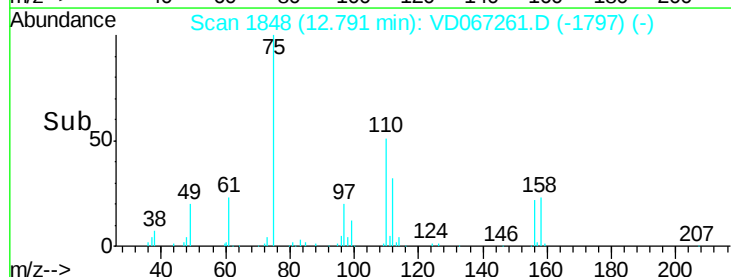
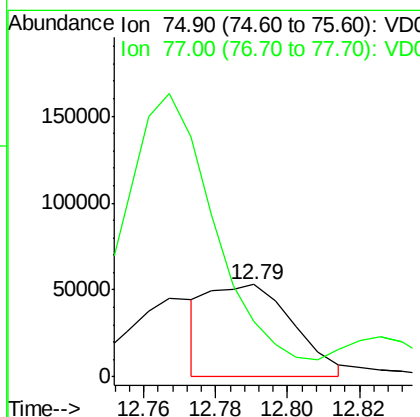
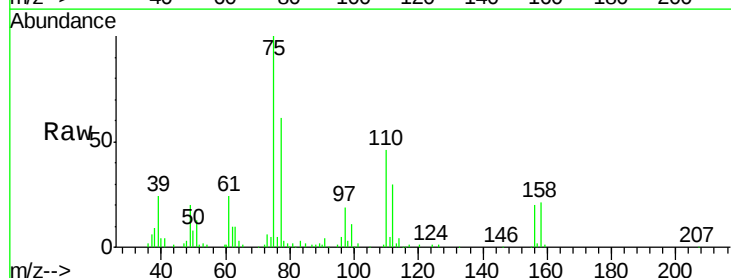
RT: 12.79 min Scan# 1848

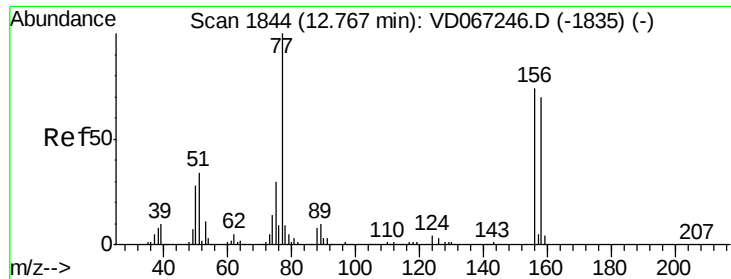
Delta R.T. 0.00 min

Lab File: VD067261.D

Acq: 14 Oct 2020 10:26

Tgt Ion:	75	Resp:	87039
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.253 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067261.D

Acq: 14 Oct 2020 10:26

Instrument :

MSVOA_D

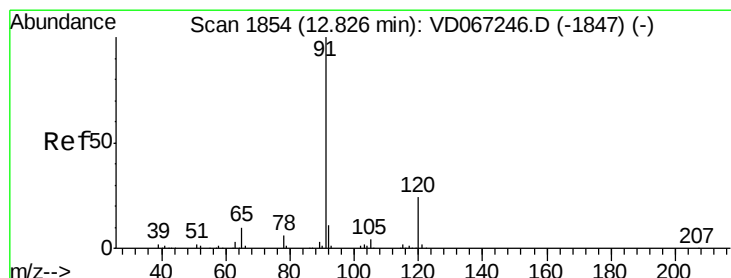
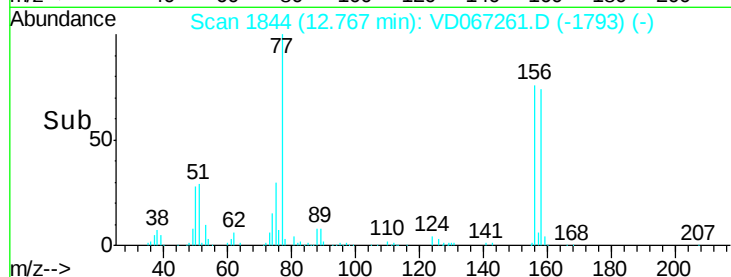
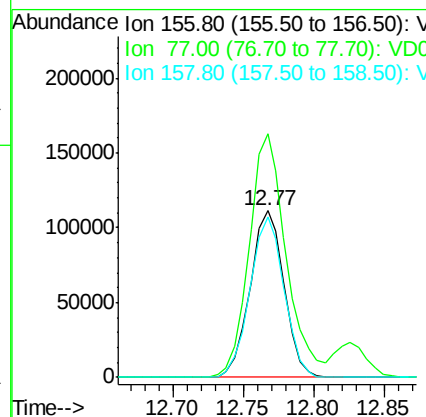
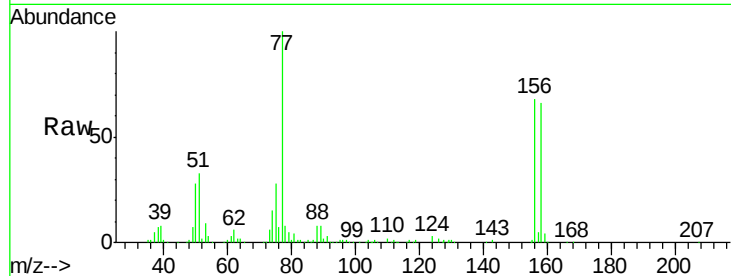
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	159.0	78.0	233.8
158	96.9	49.1	147.3

Manual Integrations
APPROVED

MMDadoda
10/15/2020 12:18:43 PM



#78

n-propylbenzene

Concen: 55.458 ug/l

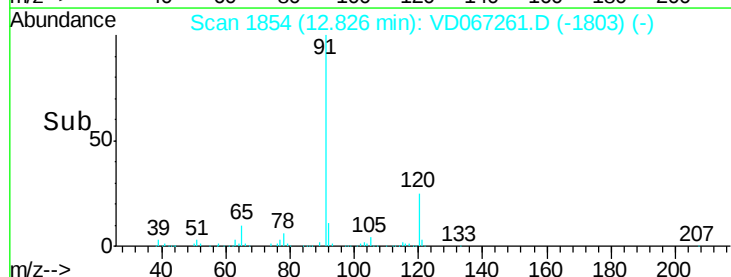
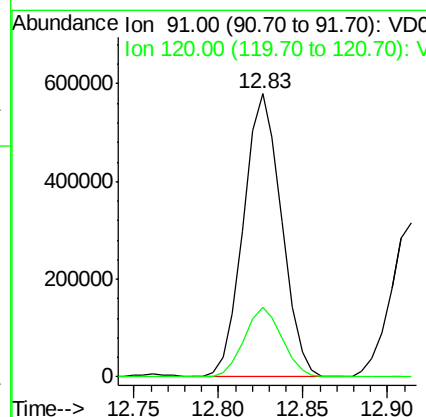
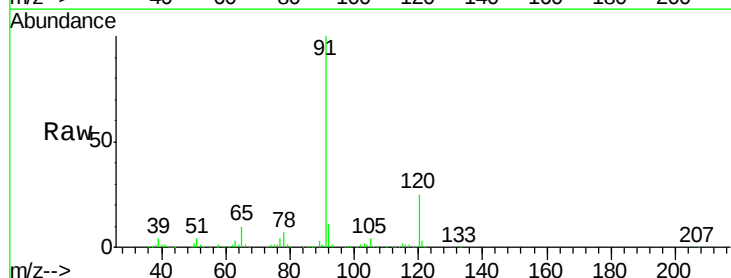
RT: 12.83 min Scan# 1854

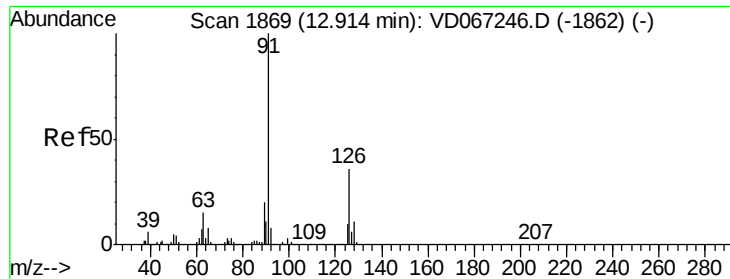
Delta R.T. 0.00 min

Lab File: VD067261.D

Acq: 14 Oct 2020 10:26

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.4	11.9	35.9





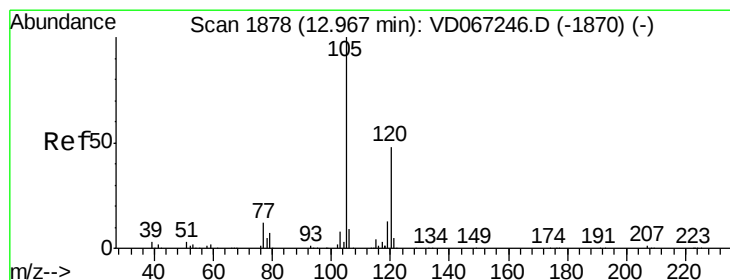
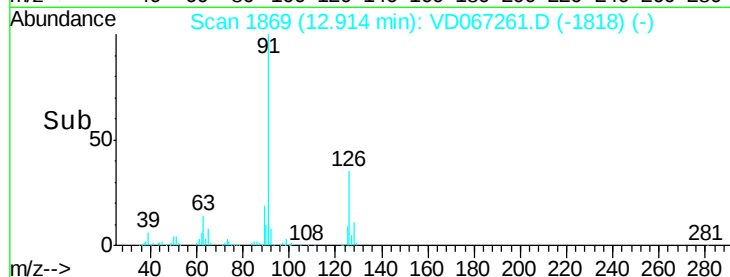
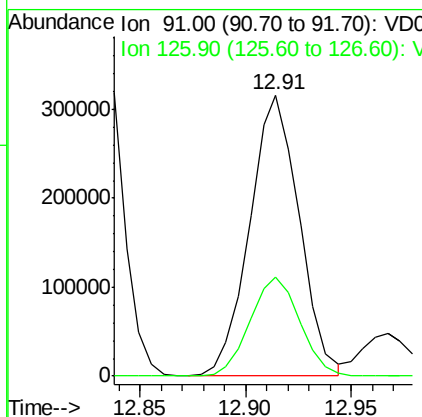
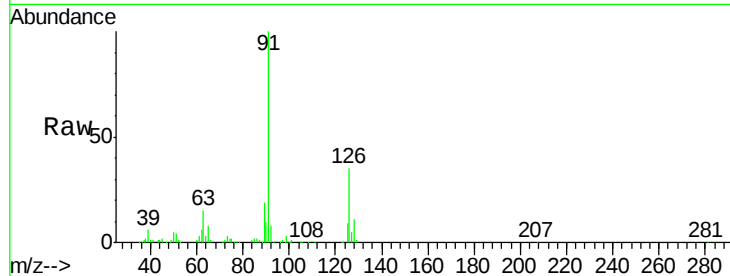
#79
 2-Chlorotoluene
 Concen: 54.111 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD067261.D
 Acq: 14 Oct 2020 10:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 513844
 Ion Ratio Lower Upper
 91 100
 126 35.5 17.6 52.8

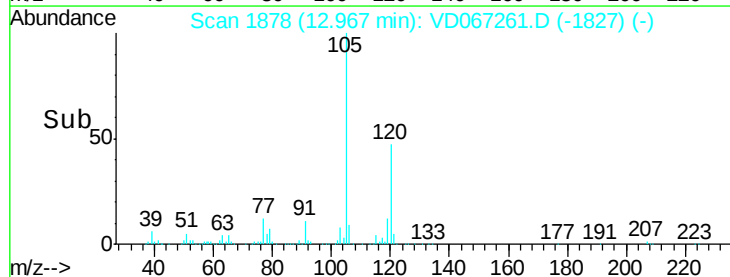
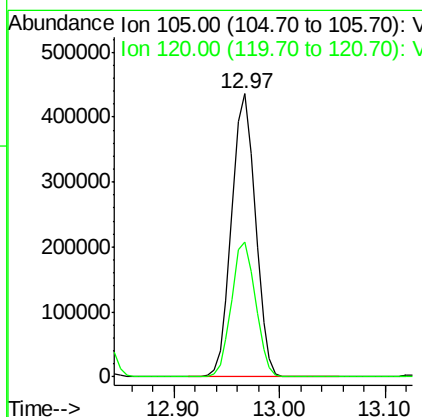
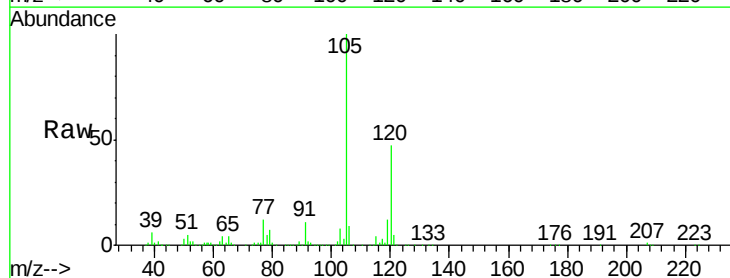
Manual Integrations
 APPROVED

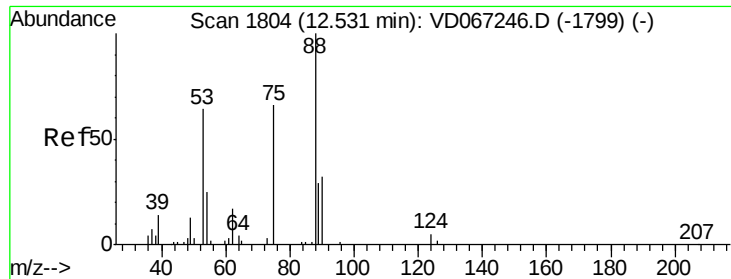
MMDadoda
 10/15/2020 12:18:43 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 55.291 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD067261.D
 Acq: 14 Oct 2020 10:26

Tgt Ion: 105 Resp: 679055
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.3 72.8





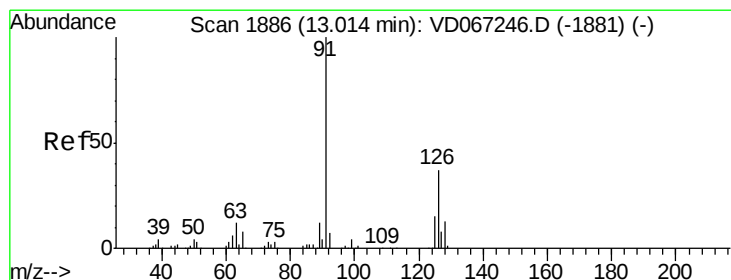
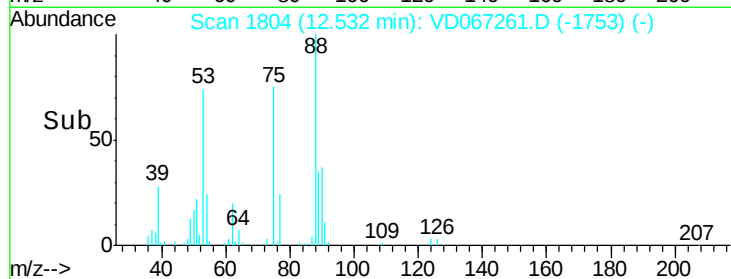
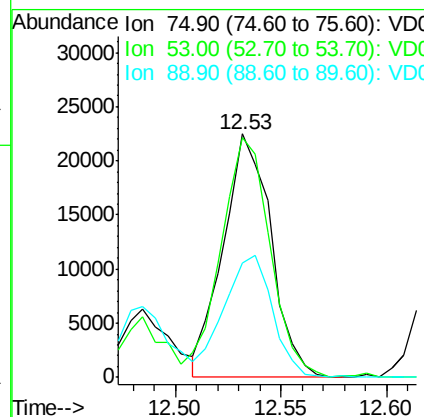
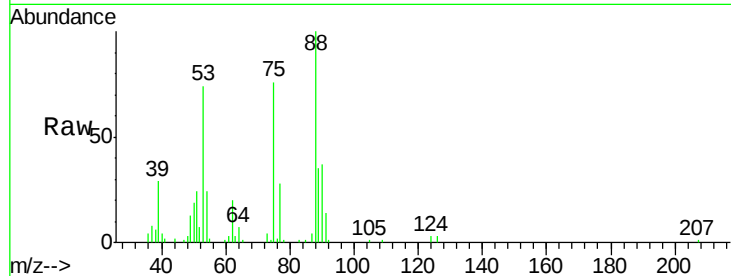
#81
trans-1,4-Dichloro-2-butene
Concen: 51.652 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067261.D
Acq: 14 Oct 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.0	78.5	117.7
89	51.5	39.9	59.9

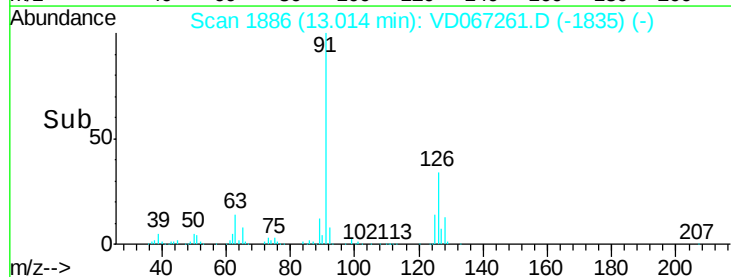
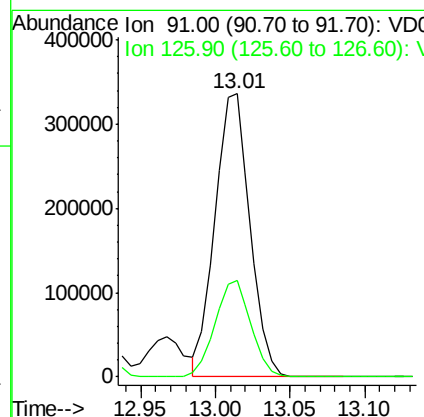
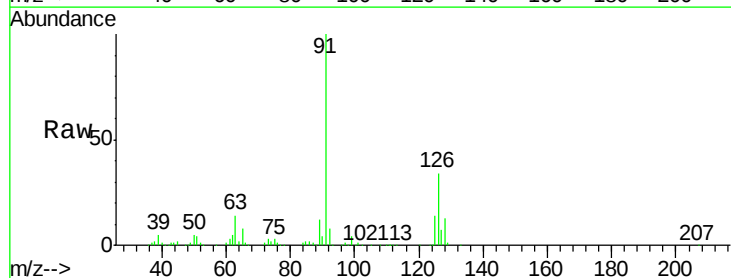
Manual Integrations
APPROVED

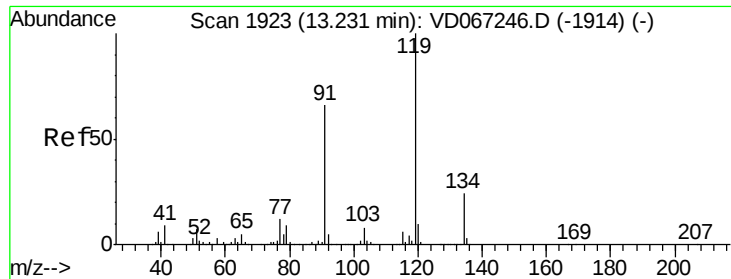
MMDadoda
10/15/2020 12:18:43 PM



#82
4-Chlorotoluene
Concen: 54.503 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD067261.D
Acq: 14 Oct 2020 10:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.8	53.5





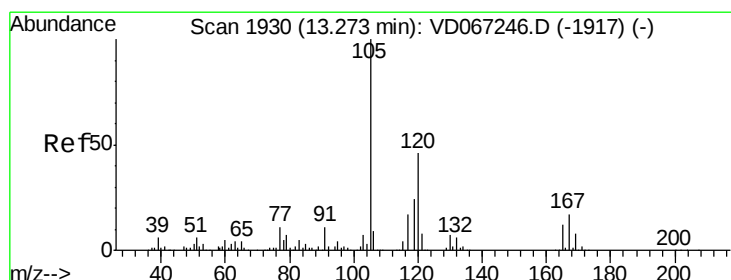
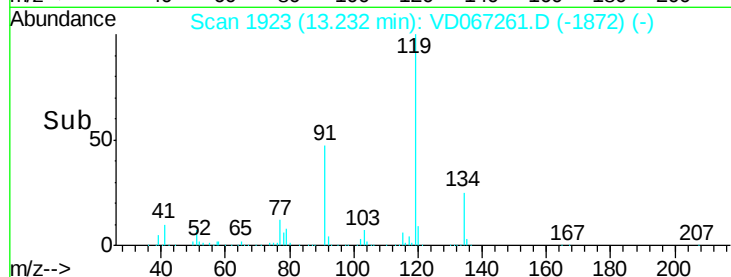
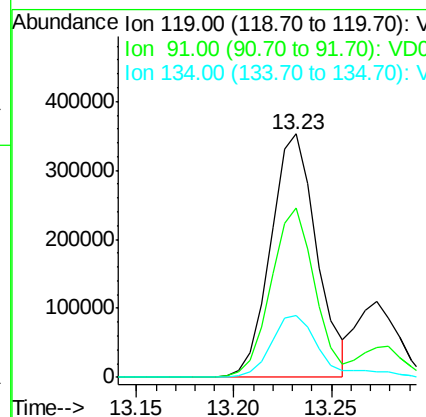
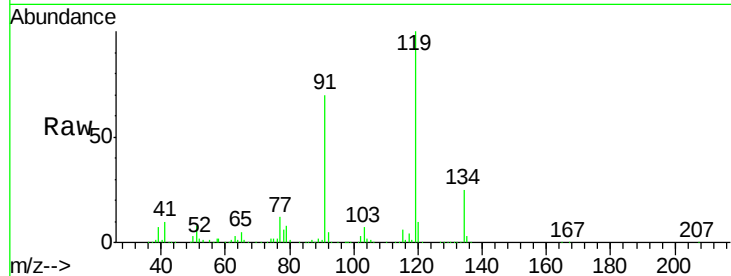
#83
tert-Butylbenzene
Concen: 55.494 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD067261.D
Acq: 14 Oct 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	575712		
91	66.2		33.1	99.2
134	27.6		13.3	39.9

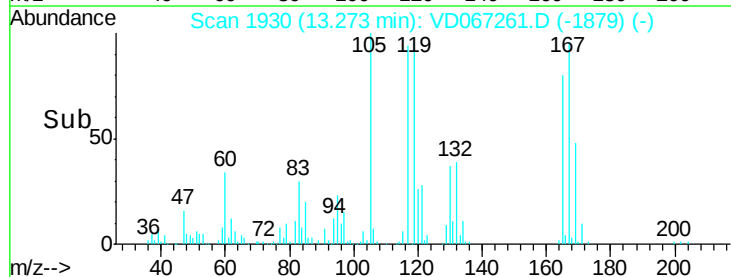
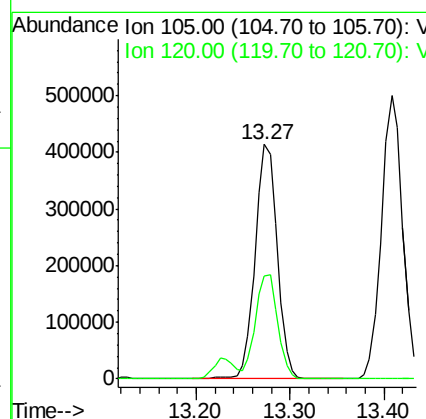
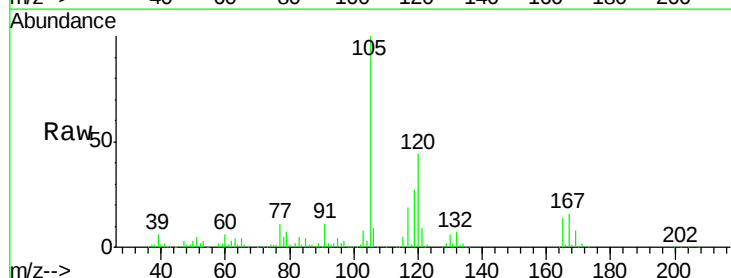
Manual Integrations
APPROVED

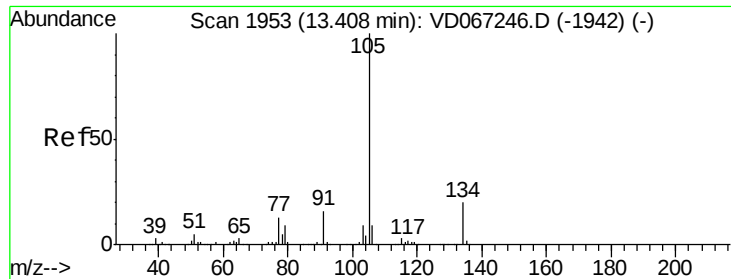
MMDadoda
10/15/2020 12:18:43 PM



#84
1,2,4-Trimethylbenzene
Concen: 55.691 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067261.D
Acq: 14 Oct 2020 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	676014		
120	44.6		22.4	67.3





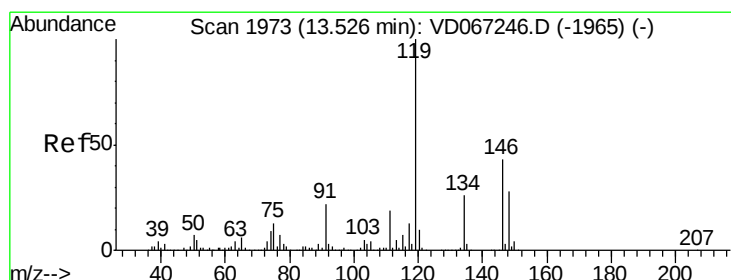
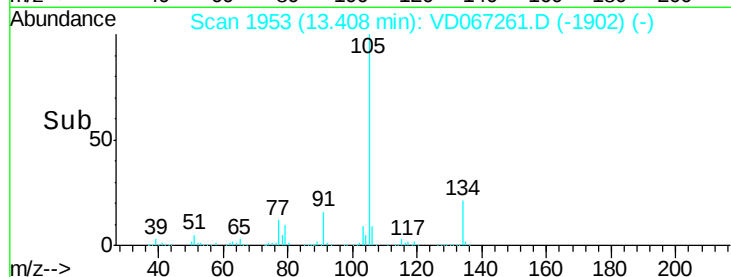
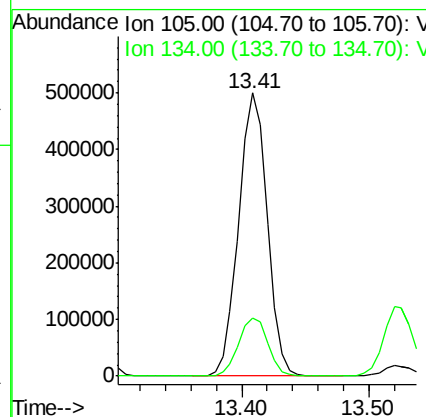
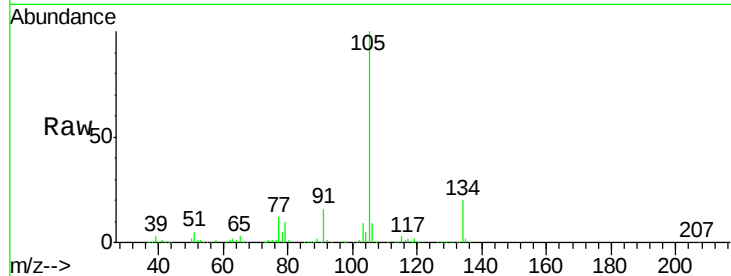
#85
 sec-Butylbenzene
 Concen: 54.609 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067261.D
 Acq: 14 Oct 2020 10:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.0	10.5	31.5

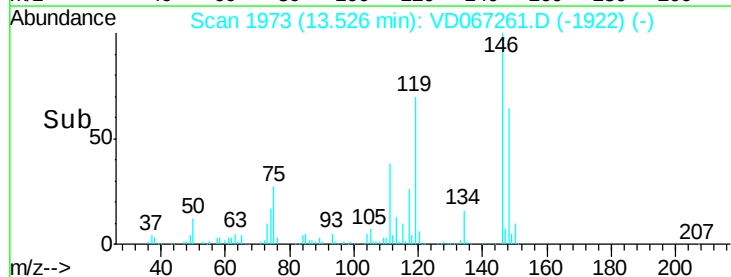
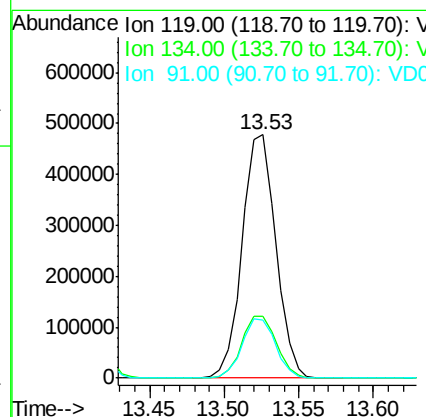
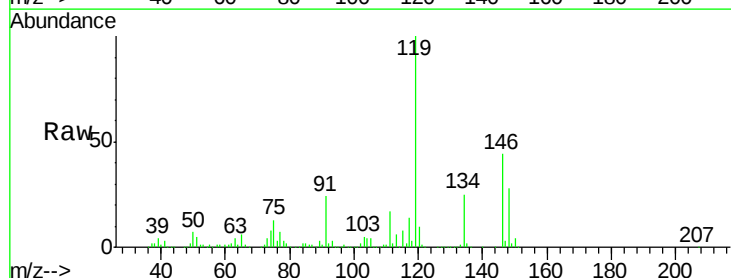
Manual Integrations
 APPROVED

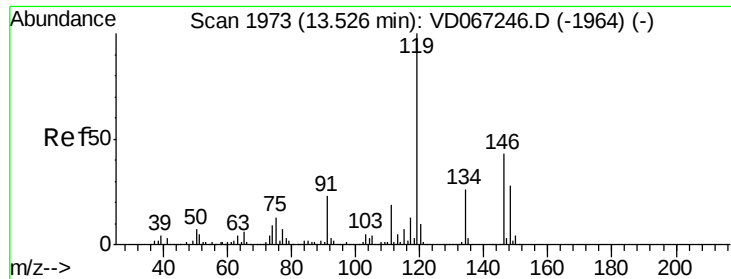
MMDadoda
 10/15/2020 12:18:43 PM



#86
 p-Isopropyltoluene
 Concen: 55.502 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD067261.D
 Acq: 14 Oct 2020 10:26

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.1	39.3
91	24.3	11.9	35.9





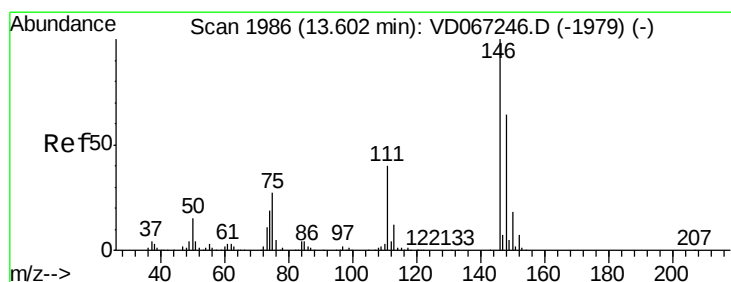
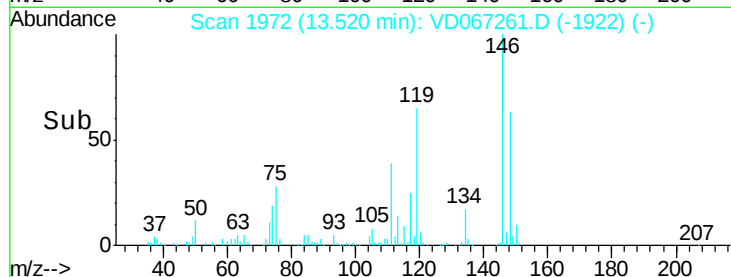
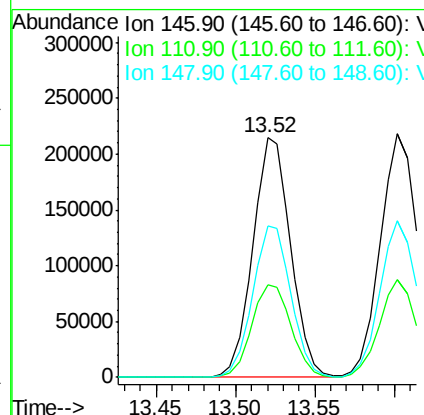
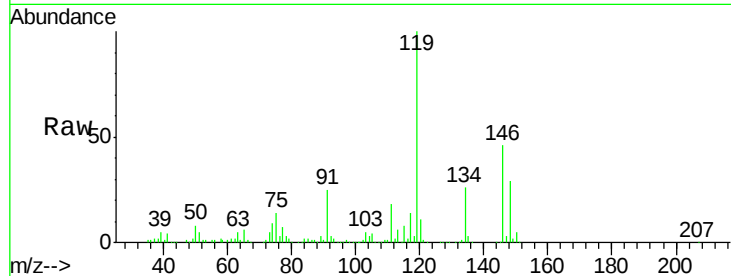
#87
 1,3-Dichlorobenzene
 Concen: 52.467 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067261.D
 Acq: 14 Oct 2020 10:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	21.1	63.3
148	63.9	31.9	95.9

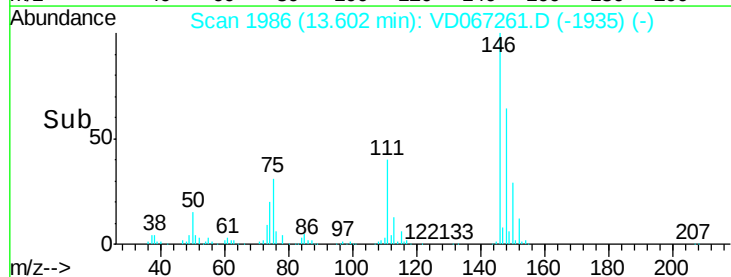
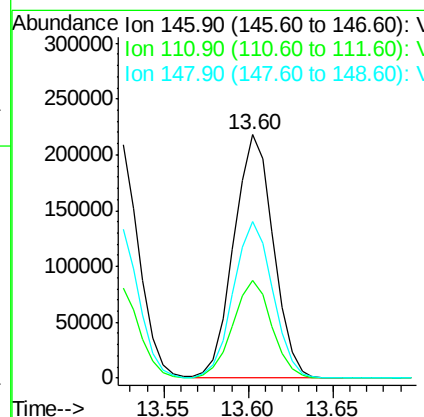
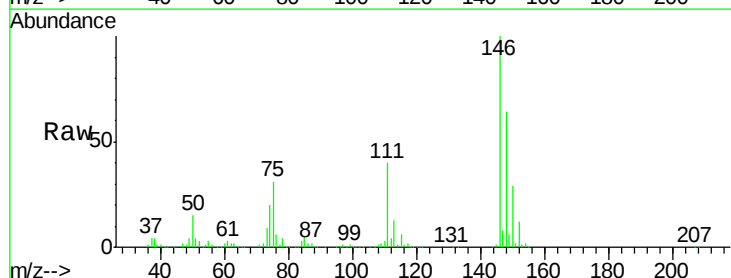
Manual Integrations
 APPROVED

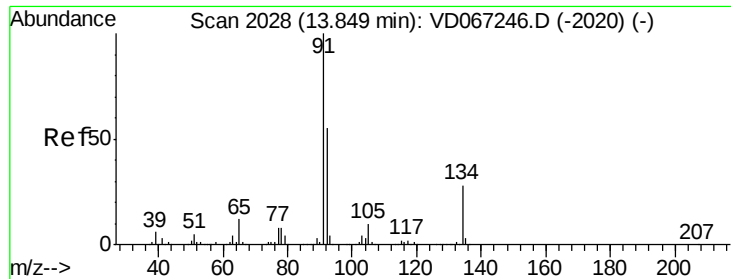
MMDadoda
 10/15/2020 12:18:43 PM



#88
 1,4-Dichlorobenzene
 Concen: 52.811 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067261.D
 Acq: 14 Oct 2020 10:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.9	59.7
148	64.4	31.9	95.9





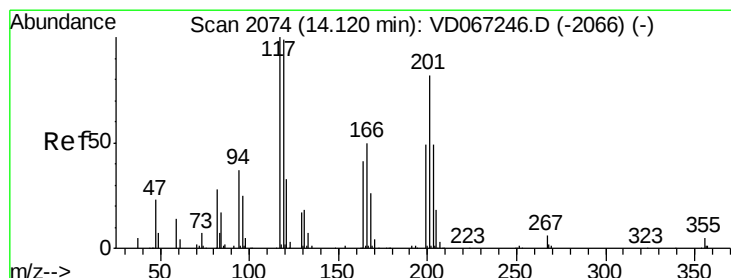
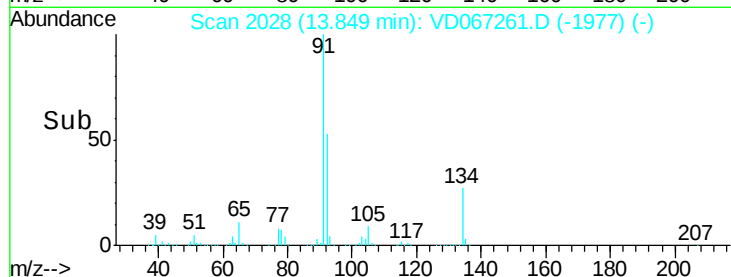
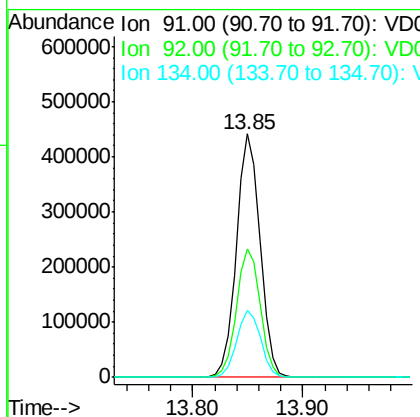
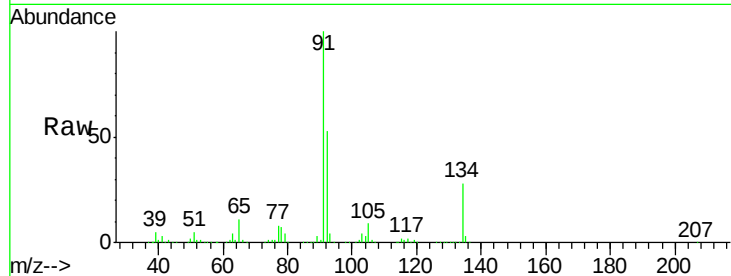
#89
n-Butylbenzene
Concen: 56.171 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067261.D
Acq: 14 Oct 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.7	80.0
134	27.9	14.2	42.6

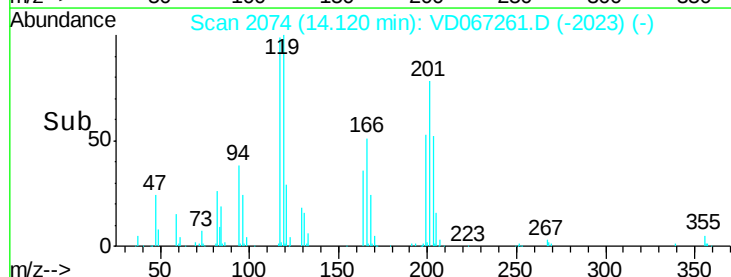
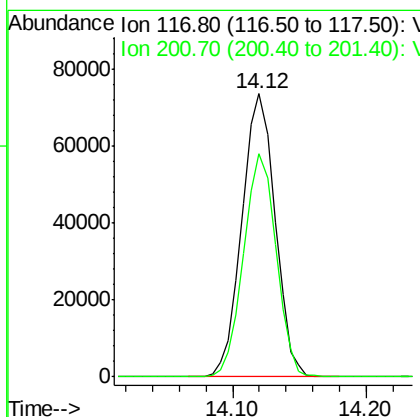
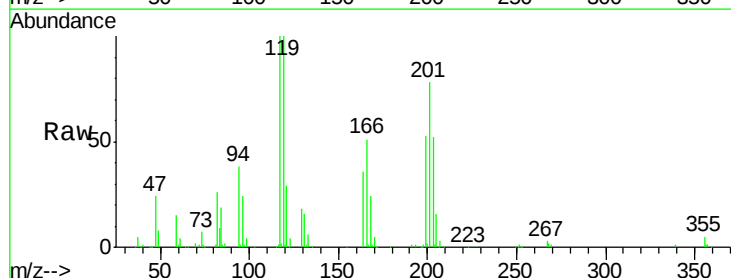
Manual Integrations
APPROVED

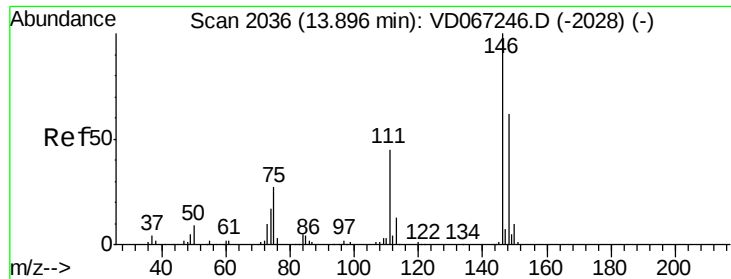
MMDadoda
10/15/2020 12:18:43 PM



#90
Hexachloroethane
Concen: 54.072 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067261.D
Acq: 14 Oct 2020 10:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.0	40.8	122.2





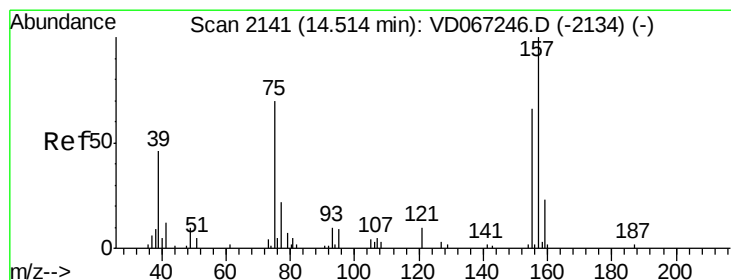
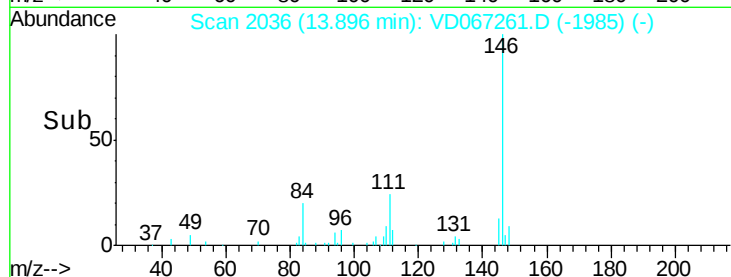
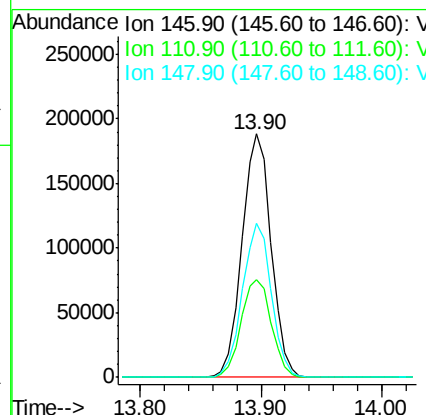
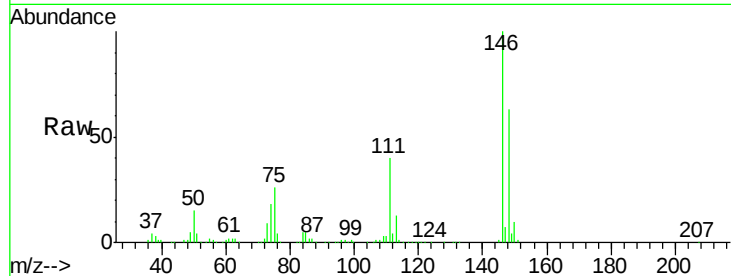
#91
 1,2-Dichlorobenzene
 Concen: 53.313 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067261.D
 Acq: 14 Oct 2020 10:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	22.0	66.0
148	63.0	32.5	97.5

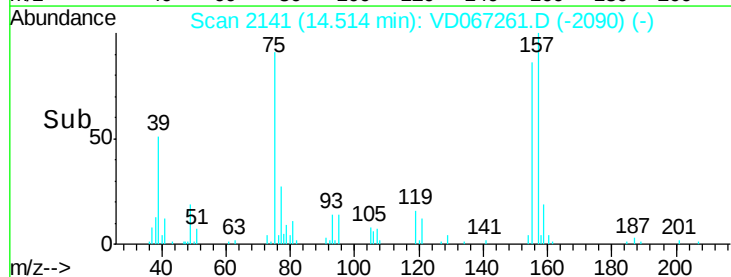
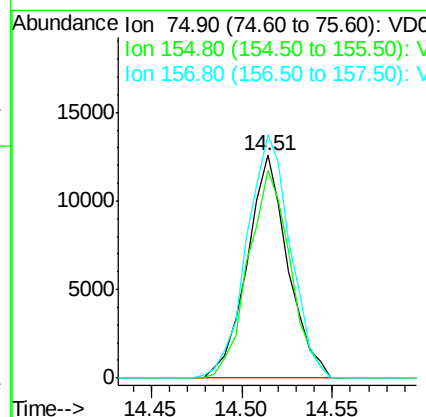
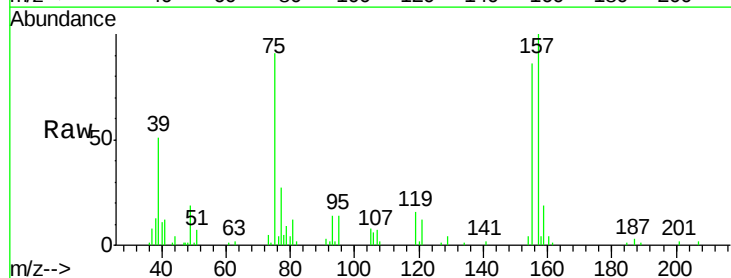
Manual Integrations
 APPROVED

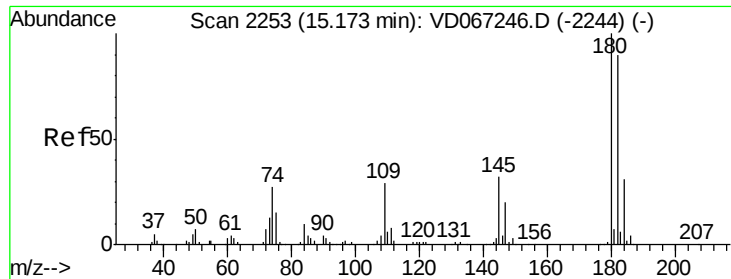
MMDadoda
 10/15/2020 12:18:43 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.179 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067261.D
 Acq: 14 Oct 2020 10:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.3	44.8	134.4
157	116.0	62.5	187.4





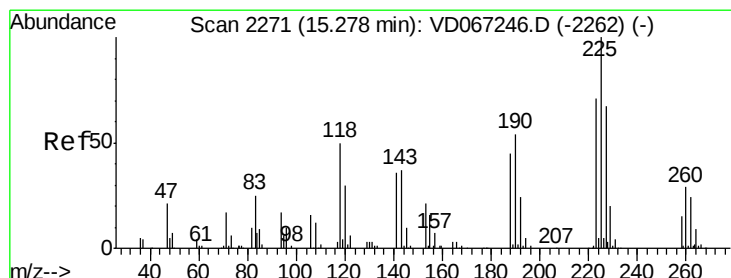
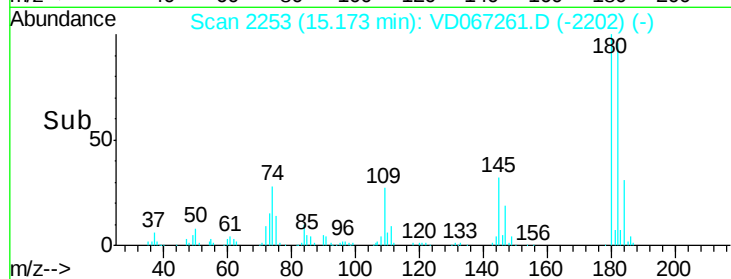
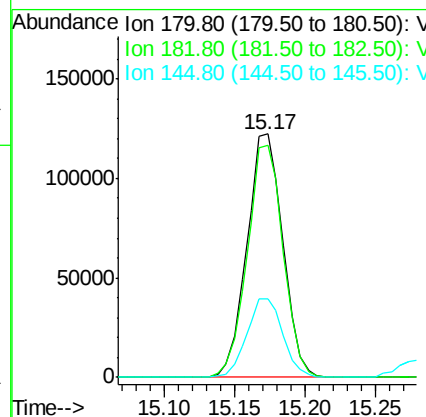
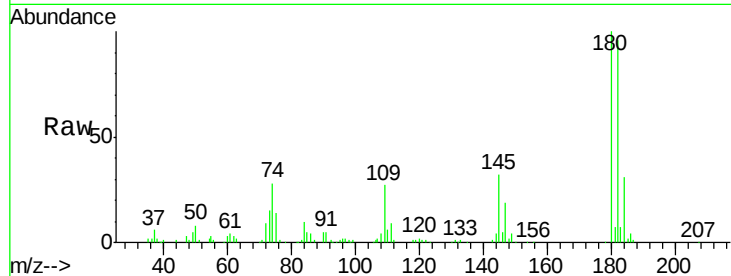
#93
 1,2,4-Trichlorobenzene
 Concen: 54.572 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067261.D
 Acq: 14 Oct 2020 10:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	217992		
182	95.3	48.1	144.4	
145	32.5	16.3	48.9	

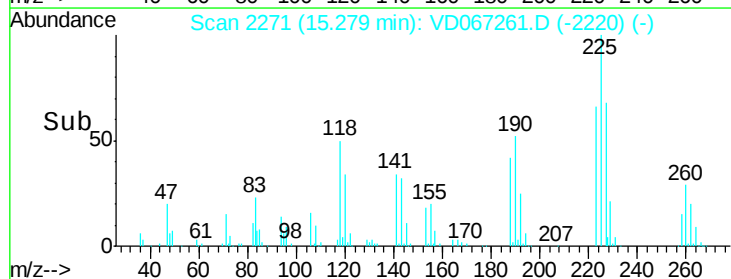
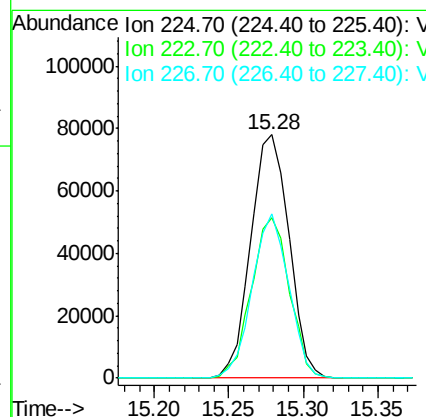
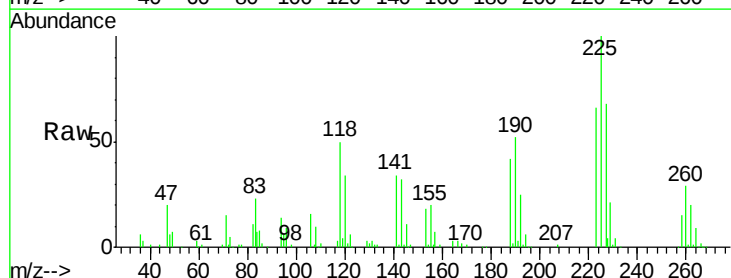
Manual Integrations
 APPROVED

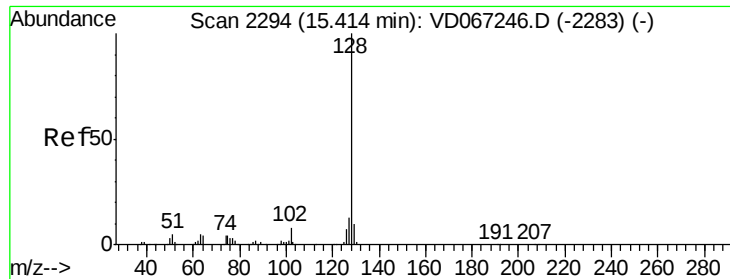
MMDadoda
 10/15/2020 12:18:43 PM



#94
 Hexachlorobutadiene
 Concen: 55.865 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD067261.D
 Acq: 14 Oct 2020 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	138578		
223	65.5	31.9	95.7	
227	64.4	31.2	93.6	





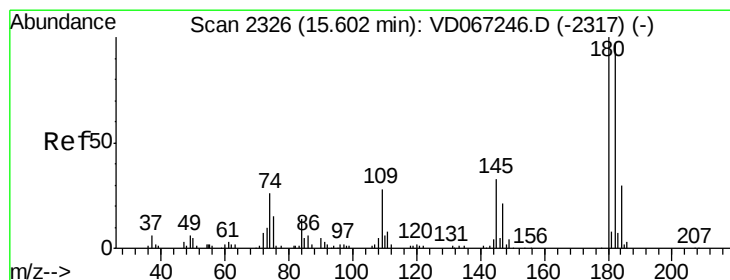
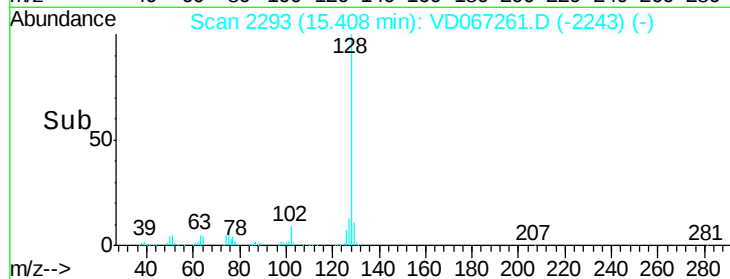
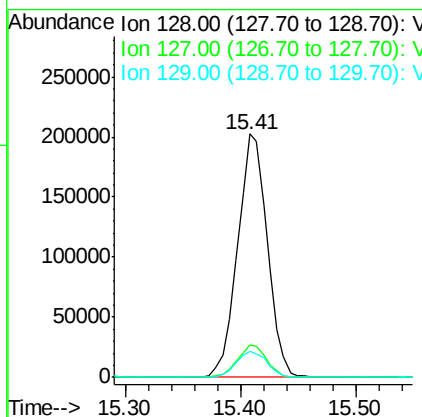
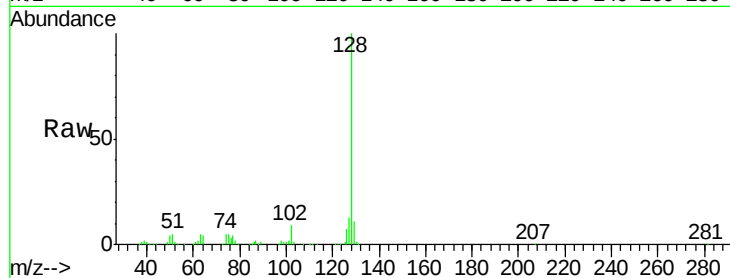
#95
Naphthalene
Concen: 55.001 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067261.D
Acq: 14 Oct 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/15/2020 12:18:43 PM



#96
1,2,3-Trichlorobenzene
Concen: 54.727 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067261.D
Acq: 14 Oct 2020 10:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.1	144.3
145	33.1	17.3	51.9

