

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112320\
 Data File : VD067746.D
 Acq On : 23 Nov 2020 15:26
 Operator : VA/SY
 Sample : VD1123SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1123SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/24/2020 2:56:41 PM

Quant Time: Nov 24 01:07:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 24 00:51:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	286965	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	417651	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	389210	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	196080	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	140297	50.28	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	100.56%
35) Dibromofluoromethane	7.91	113	133968	50.40	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.80%
50) Toluene-d8	10.34	98	489417	50.36	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.72%
62) 4-Bromofluorobenzene	12.64	95	168504	50.73	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	101.46%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	45235	18.114	ug/l	95
3) Chloromethane	2.21	50	29434	21.171	ug/l	97
4) Vinyl Chloride	2.34	62	34918	20.043	ug/l	100
5) Bromomethane	2.76	94	29633	19.965	ug/l	99
6) Chloroethane	2.92	64	23178	19.962	ug/l	94
7) Trichlorofluoromethane	3.27	101	104785	19.711	ug/l	97
8) Diethyl Ether	3.71	74	21445	19.980	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	51331	20.164	ug/l	98
10) Methyl Iodide	4.30	142	48918	18.774	ug/l	99
11) Tert butyl alcohol	5.22	59	16985	88.874	ug/l #	95
12) 1,1-Dichloroethene	4.07	96	46378	19.689	ug/l	99
13) Acrolein	3.92	56	11295	97.664	ug/l	99
14) Allyl chloride	4.71	41	46763	20.537	ug/l	98
15) Acrylonitrile	5.43	53	36730	98.253	ug/l	95
16) Acetone	4.16	43	34771	96.463	ug/l	95
17) Carbon Disulfide	4.41	76	136952	20.101	ug/l	99
18) Methyl Acetate	4.71	43	15419	21.262	ug/l	91
19) Methyl tert-butyl Ether	5.48	73	101334	20.129	ug/l	99
20) Methylene Chloride	4.97	84	59491	17.033	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	52558	19.625	ug/l	97
22) Diisopropyl ether	6.37	45	94283	20.976	ug/l	93
23) Vinyl Acetate	6.31	43	263693	104.003	ug/l	99
24) 1,1-Dichloroethane	6.26	63	79131	20.765	ug/l	96
25) 2-Butanone	7.21	43	39778	98.342	ug/l	91
26) 2,2-Dichloropropane	7.21	77	88702	19.731	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	57668	20.202	ug/l	99
28) Bromochloromethane	7.56	49	24121	19.761	ug/l #	98
29) Tetrahydrofuran	7.56	42	25055	108.946	ug/l	96
30) Chloroform	7.71	83	97075	19.480	ug/l	97
31) Cyclohexane	7.98	56	66937	19.827	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	101633	19.258	ug/l	98
36) 1,1-Dichloropropene	8.11	75	71066	19.829	ug/l	99
37) Ethyl Acetate	7.30	43	19975	20.728	ug/l	96
38) Carbon Tetrachloride	8.10	117	102611	19.752	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112320\
 Data File : VD067746.D
 Acq On : 23 Nov 2020 15:26
 Operator : VA/SY
 Sample : VD1123SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1123SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/24/2020 2:56:41 PM

Quant Time: Nov 24 01:07:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 24 00:51:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	82620	19.480	ug/l	98
40) Benzene	8.36	78	193673	19.676	ug/l	94
41) Methacrylonitrile	7.54	41	12142m	24.674	ug/l	
42) 1,2-Dichloroethane	8.43	62	66075	19.784	ug/l	100
43) Isopropyl Acetate	8.46	43	38653	20.085	ug/l	100
44) Trichloroethene	9.11	130	64594	19.800	ug/l	95
45) 1,2-Dichloropropane	9.39	63	40461	20.033	ug/l #	76
46) Dibromomethane	9.48	93	26743	19.449	ug/l	96
47) Bromodichloromethane	9.66	83	76456	19.968	ug/l	92
48) Methyl methacrylate	9.46	41	18972	19.719	ug/l	95
49) 1,4-Dioxane	9.46	88	6355	426.464	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	90542	99.982	ug/l	99
52) Toluene	10.41	92	133185	19.946	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	64396	19.250	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	75682	19.991	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	36652	19.866	ug/l	98
56) Ethyl methacrylate	10.66	69	38480	20.145	ug/l	97
57) 1,3-Dichloropropane	10.95	76	58109	19.976	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	79026	88.544	ug/l	98
59) 2-Hexanone	10.98	43	64643	101.104	ug/l	96
60) Dibromochloromethane	11.14	129	56597	20.131	ug/l	99
61) 1,2-Dibromoethane	11.25	107	36513	20.085	ug/l	100
64) Tetrachloroethene	10.88	164	58939	19.511	ug/l	96
65) Chlorobenzene	11.67	112	149457	19.538	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	61094	19.744	ug/l	99
67) Ethyl Benzene	11.75	91	258981	19.611	ug/l	97
68) m/p-Xylenes	11.86	106	205736	40.034	ug/l	100
69) o-Xylene	12.18	106	92775	19.828	ug/l	98
70) Styrene	12.20	104	159162	19.970	ug/l	99
71) Bromoform	12.37	173	32360	19.264	ug/l #	98
73) Isopropylbenzene	12.48	105	263476	20.422	ug/l	100
74) N-amyl acetate	12.29	43	34788	20.448	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	34769	20.081	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	32866m	24.050	ug/l	
77) Bromobenzene	12.76	156	64327	19.919	ug/l	98
78) n-propylbenzene	12.83	91	296825	20.680	ug/l	99
79) 2-Chlorotoluene	12.91	91	164622	19.372	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	228602	20.373	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	11032	18.881	ug/l	93
82) 4-Chlorotoluene	13.01	91	186615	20.609	ug/l	98
83) tert-Butylbenzene	13.23	119	186804	19.373	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	228477	20.383	ug/l	97
85) sec-Butylbenzene	13.40	105	254866	20.120	ug/l	99
86) p-Isopropyltoluene	13.52	119	243408	19.839	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	125875	20.139	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	124088	20.042	ug/l	97
89) n-Butylbenzene	13.84	91	207116	19.699	ug/l	98
90) Hexachloroethane	14.11	117	45493	19.478	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	107505	19.967	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.50	75	6966	18.661	ug/l	89

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112320\
Data File : VD067746.D
Acq On : 23 Nov 2020 15:26
Operator : VA/SY
Sample : VD1123SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1123SBSD01

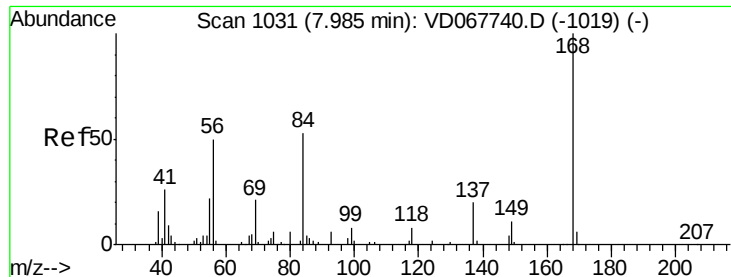
Manual Integrations
APPROVED

MMDadoda
11/24/2020 2:56:41 PM

Quant Time: Nov 24 01:07:30 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 24 00:51:35 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	75456	19.793	ug/l	100
94) Hexachlorobutadiene	15.27	225	47019	19.303	ug/l	98
95) Naphthalene	15.40	128	119074	19.299	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	63480	19.548	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067746.D

Acq: 23 Nov 2020 15:26

Instrument :

MSVOA_D

ClientSampleId :

VD1123SBSD01

Tot Ion:168 Resp: 286965

Ion Ratio Lower Upper

168 100

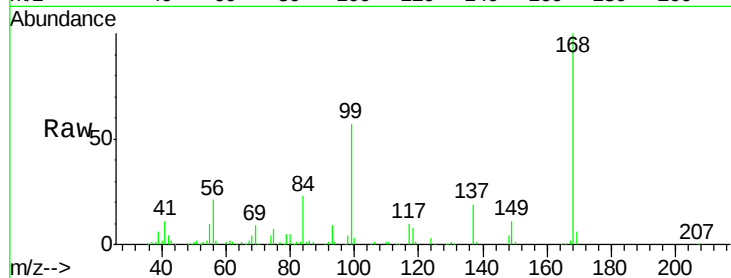
99 56.7 43.8 65.8

Manual Integrations

APPROVED

MMDadoda

11/24/2020 2:56:41 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

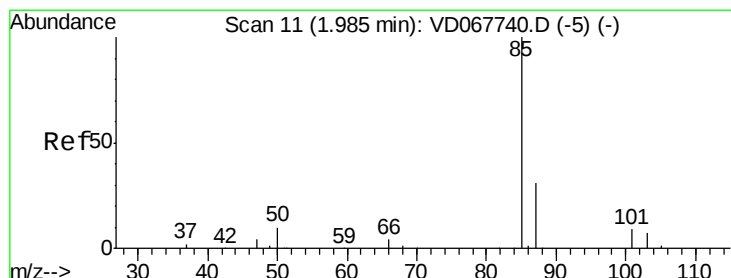
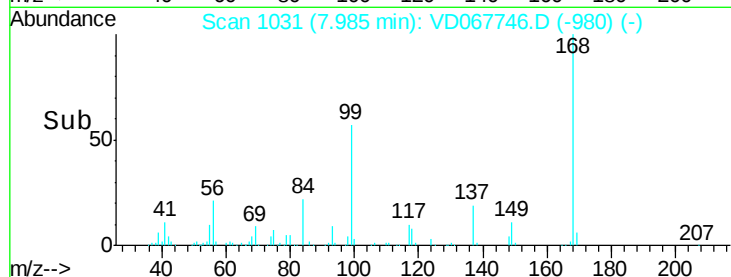
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.114 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067746.D

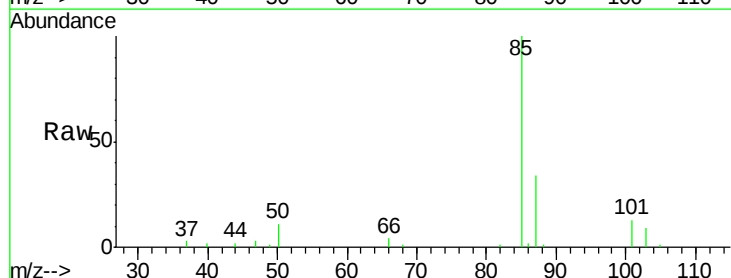
Acq: 23 Nov 2020 15:26

Tgt Ion: 85 Resp: 45235

Ion Ratio Lower Upper

85 100

87 33.8 15.5 46.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

30000

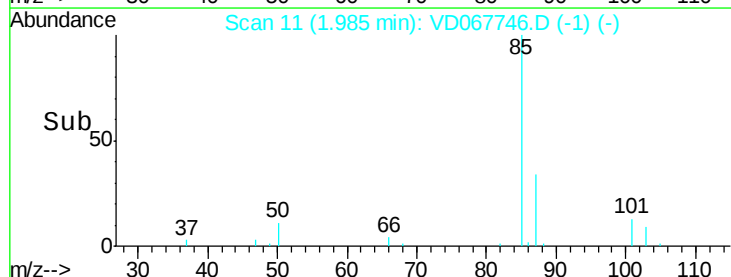
20000

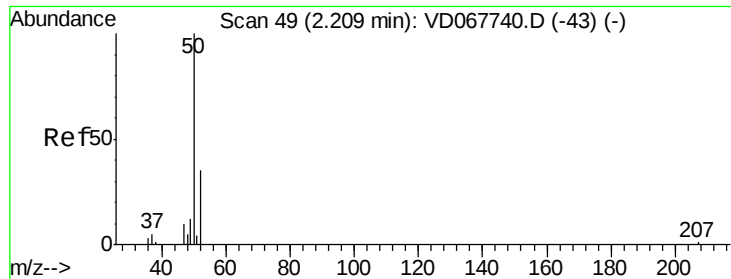
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 21.171 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067746.D

Acq: 23 Nov 2020 15:26

Instrument :

MSVOA_D

ClientSampleId :

VD1123SBS01

Tot Ion: 50 Resp: 29434

Ion Ratio Lower Upper

50 100

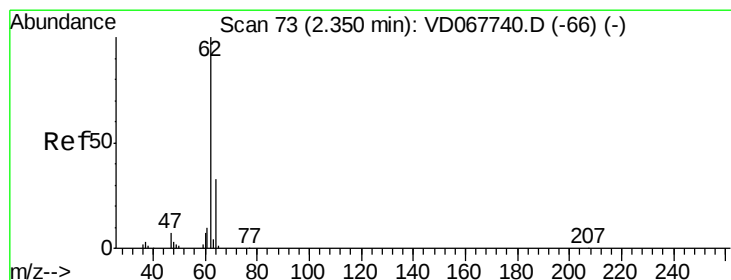
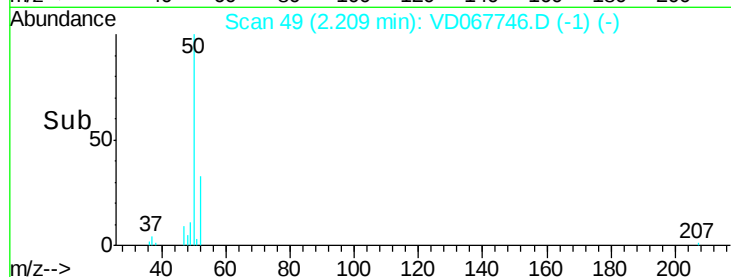
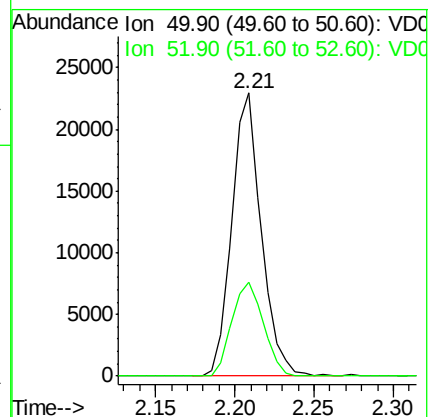
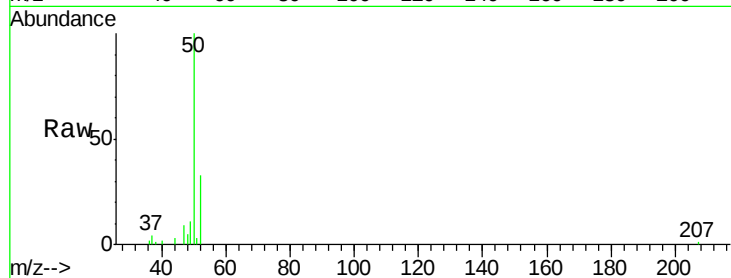
52 33.1 27.8 41.8

Manual Integrations

APPROVED

MMDadoda

11/24/2020 2:56:41 PM



#4

Vinyl Chloride

Concen: 20.043 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD067746.D

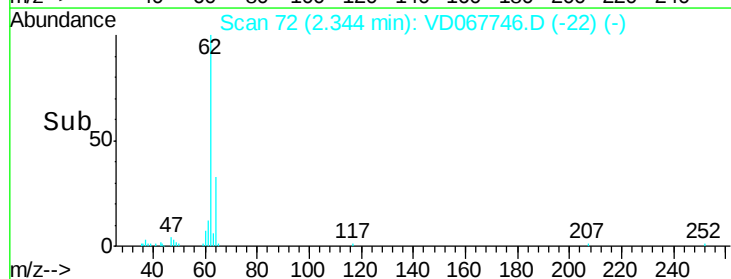
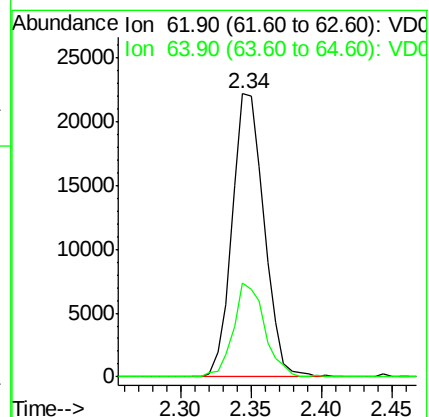
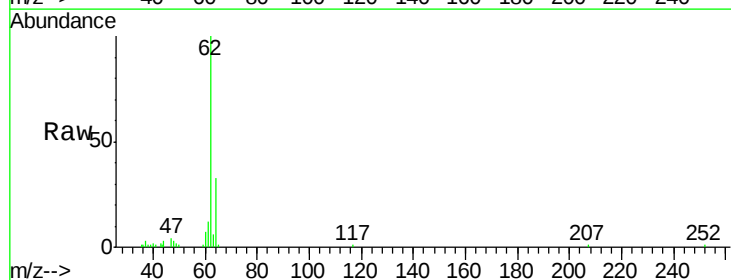
Acq: 23 Nov 2020 15:26

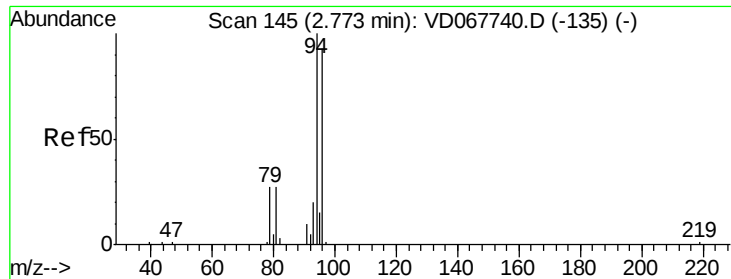
Tgt Ion: 62 Resp: 34918

Ion Ratio Lower Upper

62 100

64 33.4 26.6 40.0





#5

Bromomethane

Concen: 19.965 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD067746.D

Acq: 23 Nov 2020 15:26

Instrument :

MSVOA_D

ClientSampleId :

VD1123SBSD01

Tot Ion: 94 Resp: 29633

Ion Ratio Lower Upper

94 100

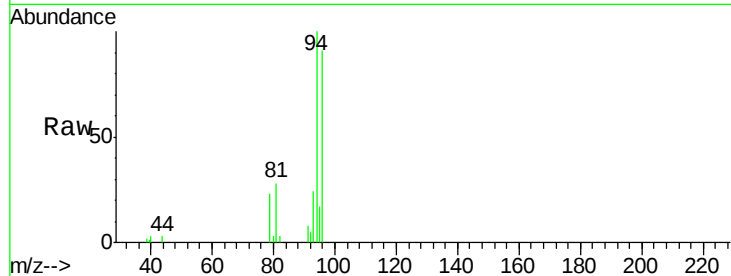
96 91.4 74.0 111.0

Manual Integrations

APPROVED

MMDadoda

11/24/2020 2:56:41 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

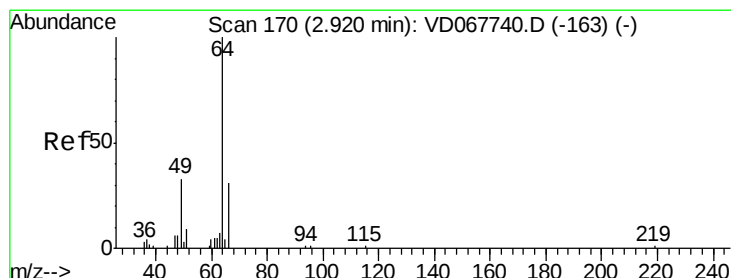
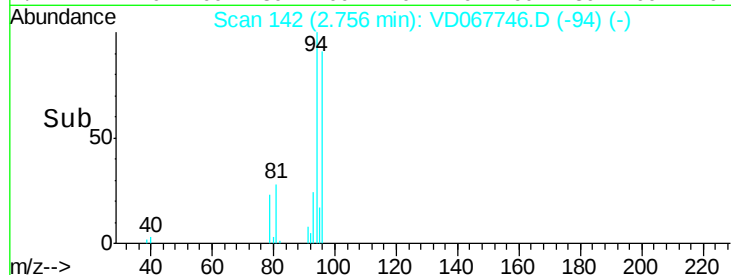
15000

10000

5000

0

Time--> 2.65 2.70 2.75 2.80 2.85



#6

Chloroethane

Concen: 19.962 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067746.D

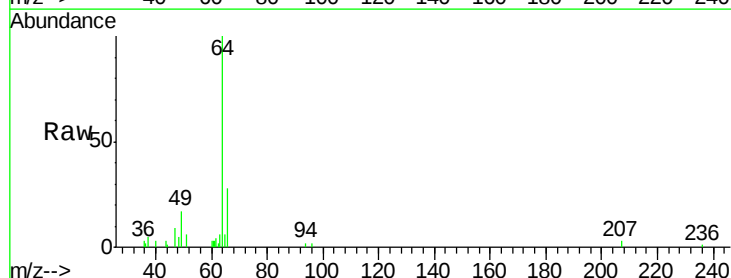
Acq: 23 Nov 2020 15:26

Tgt Ion: 64 Resp: 23178

Ion Ratio Lower Upper

64 100

66 28.3 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

12000

10000

8000

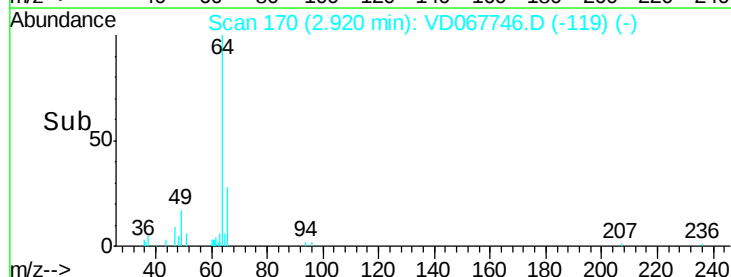
6000

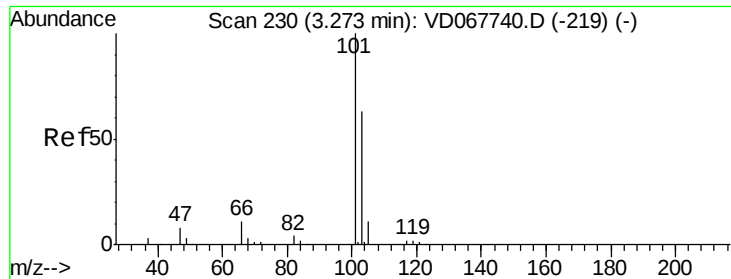
4000

2000

0

Time--> 2.85 2.90 2.95 3.00





#7

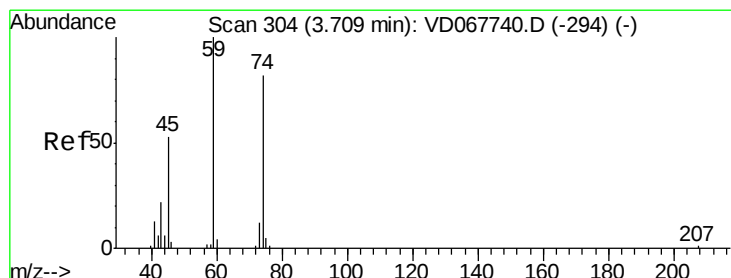
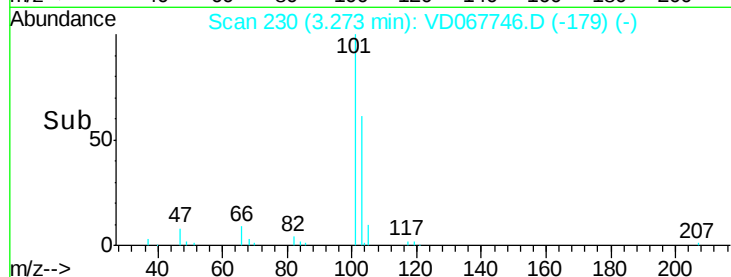
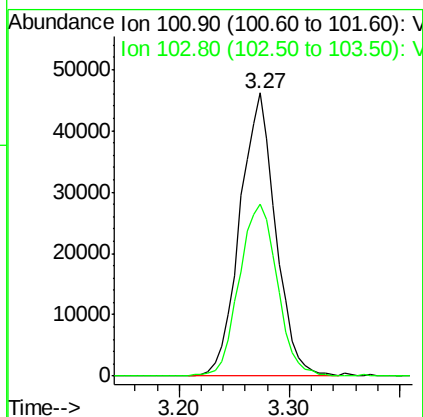
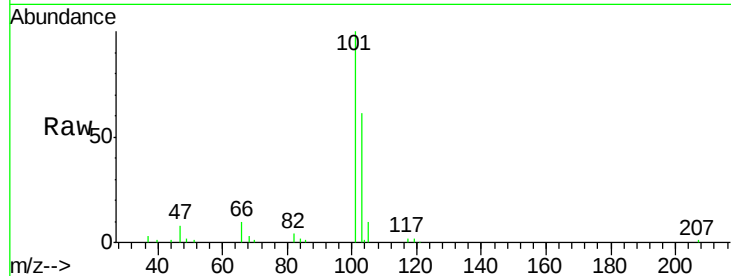
Trichlorofluoromethane
 Concen: 19.711 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD067746.D
 Acq: 23 Nov 2020 15:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1123SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.9	50.3	75.5

Manual Integrations
 APPROVED

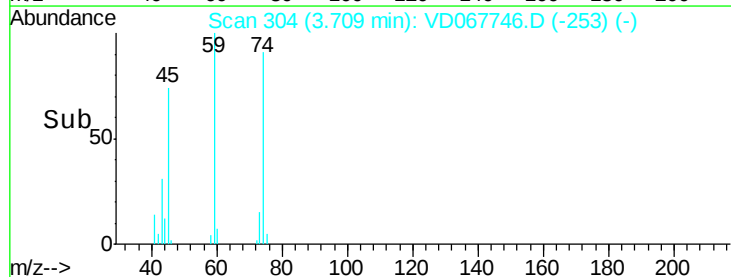
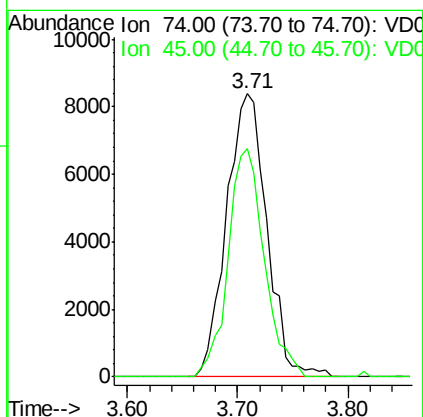
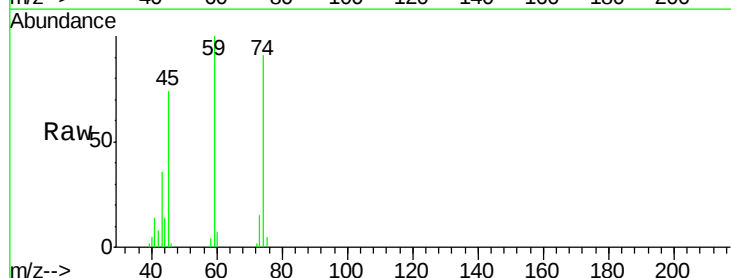
MMDadoda
 11/24/2020 2:56:41 PM

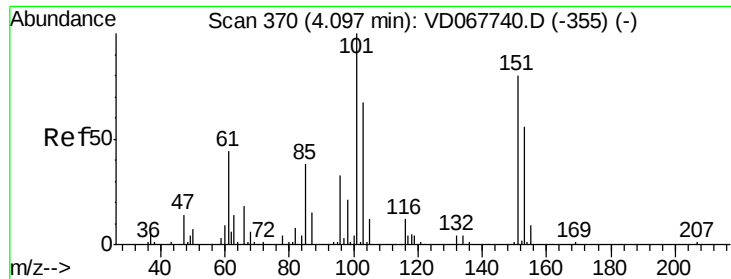


#8

Diethyl Ether
 Concen: 19.980 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD067746.D
 Acq: 23 Nov 2020 15:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	72.4	35.9	107.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.164 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067746.D

Acq: 23 Nov 2020 15:26

Instrument :

MSVOA_D

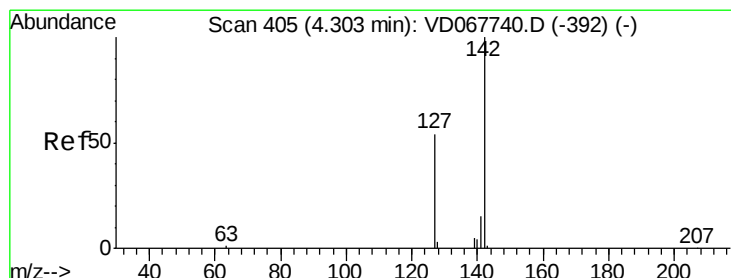
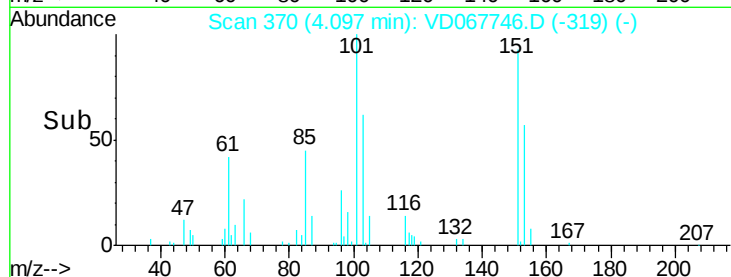
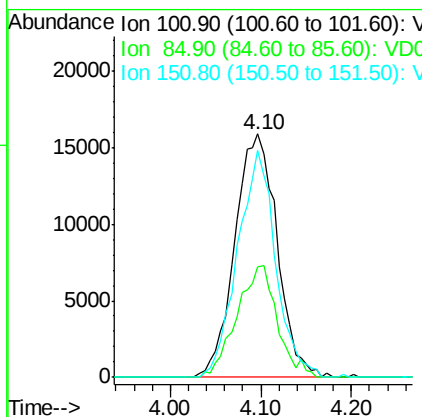
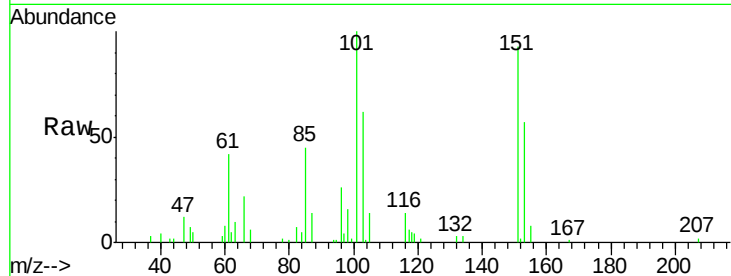
ClientSampleId :

VD1123SBSD01

Tot Ion:	101	Resp:	51331
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.5	53.3
151	84.1	69.4	104.0

Manual Integrations
APPROVED

MMDadoda
11/24/2020 2:56:41 PM



#10

Methyl Iodide

Concen: 18.774 ug/l

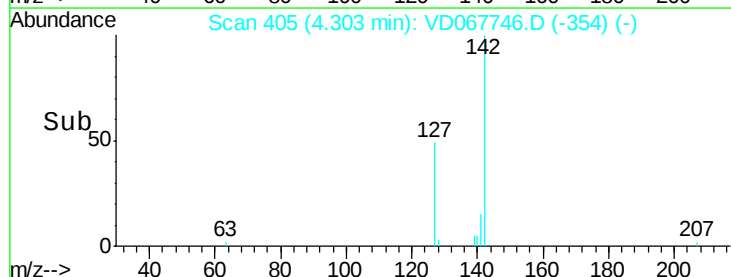
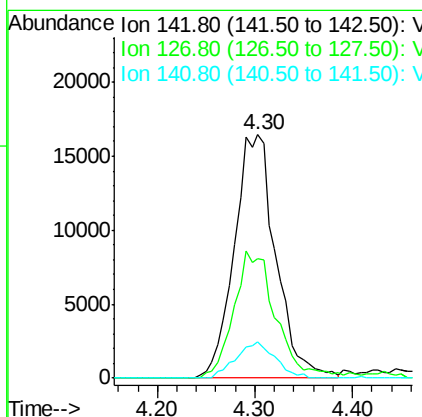
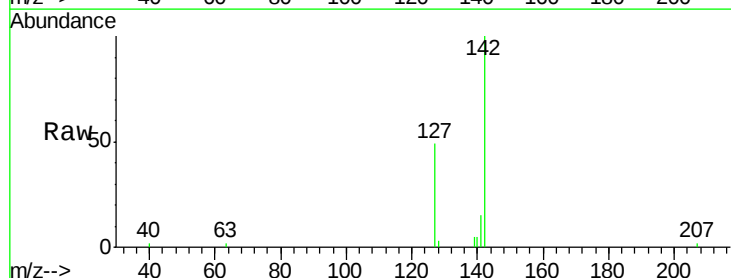
RT: 4.30 min Scan# 405

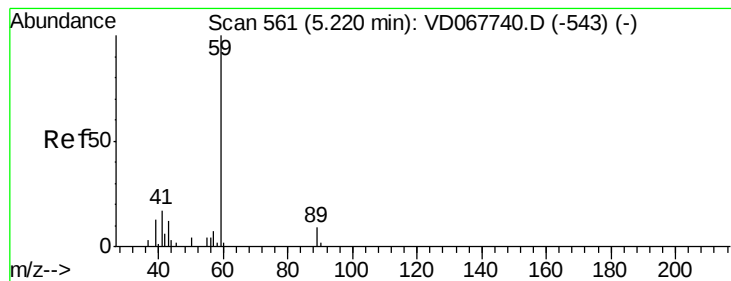
Delta R.T. 0.00 min

Lab File: VD067746.D

Acq: 23 Nov 2020 15:26

Tgt Ion:	142	Resp:	48918
Ion Ratio	Lower	Upper	
142	100		
127	52.4	42.2	63.2
141	13.8	11.8	17.6





#11

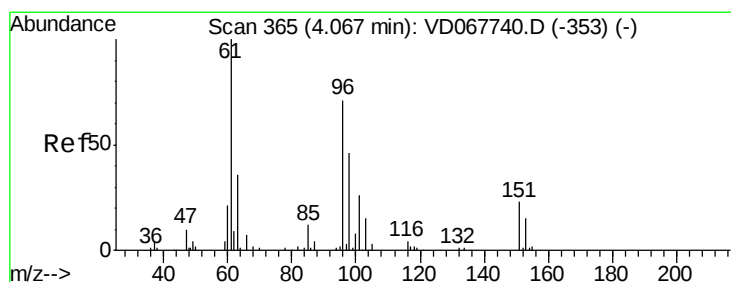
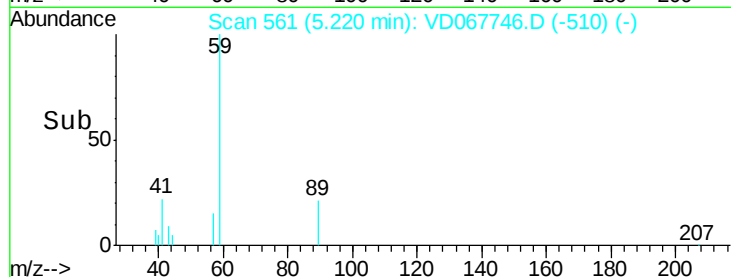
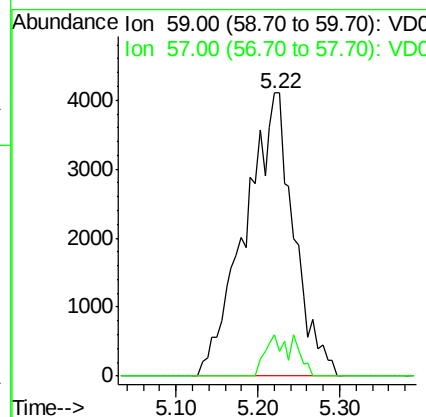
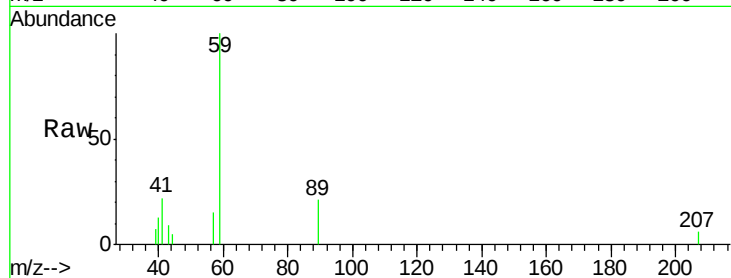
Tert butyl alcohol
Concen: 88.874 ug/l
RT: 5.22 min Scan# 561
Delta R.T. 0.00 min
Lab File: VD067746.D
Acq: 23 Nov 2020 15:26

Instrument :
MSVOA_D
ClientSampleId :
VD1123SBS01

Tot Ion: 59 Resp: 16985
Ion Ratio Lower Upper
59 100
57 5.8 3.4 5.0#

Manual Integrations
APPROVED

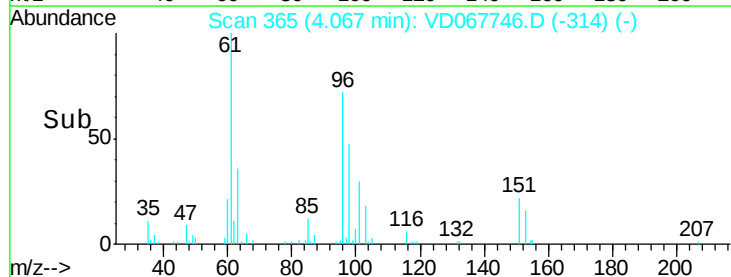
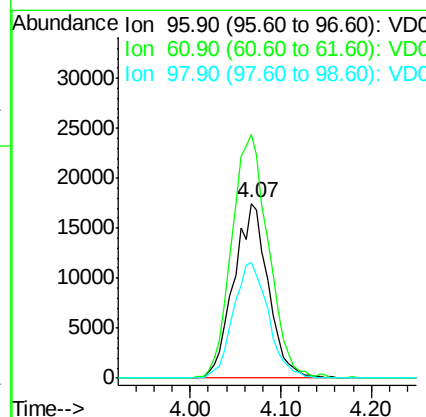
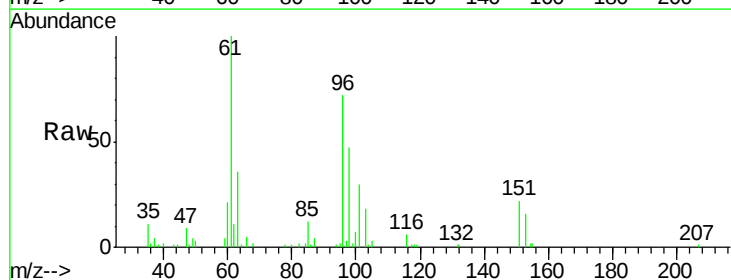
MMDadoda
11/24/2020 2:56:41 PM

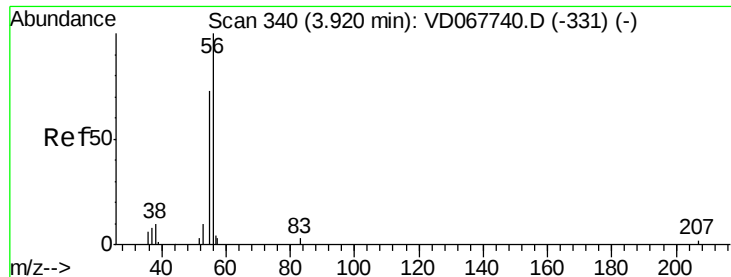


#12

1,1-Dichloroethene
Concen: 19.689 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD067746.D
Acq: 23 Nov 2020 15:26

Tgt Ion: 96 Resp: 46378
Ion Ratio Lower Upper
96 100
61 139.3 112.9 169.3
98 65.9 52.4 78.6





#13

Acrolein

Concen: 97.664 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067746.D

Acq: 23 Nov 2020 15:26

Instrument :

MSVOA_D

ClientSampleId :

VD1123SBS01

Tot Ion: 56 Resp: 11295

Ion Ratio Lower Upper

56 100

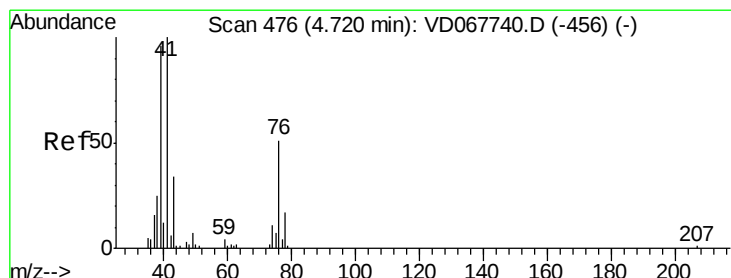
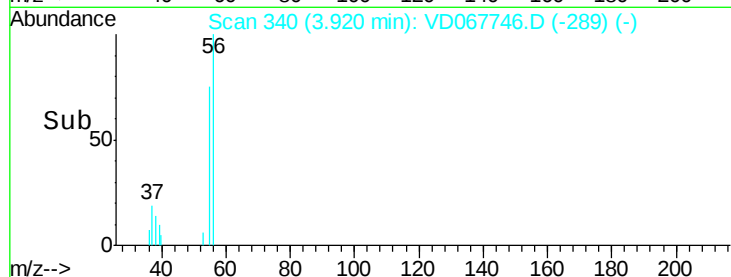
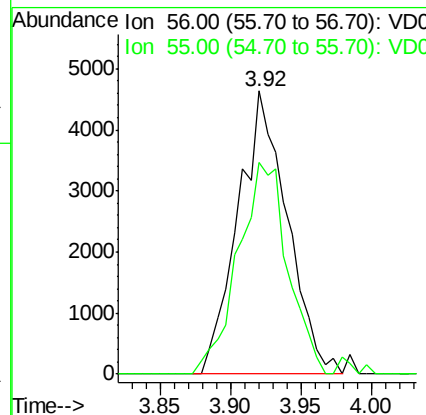
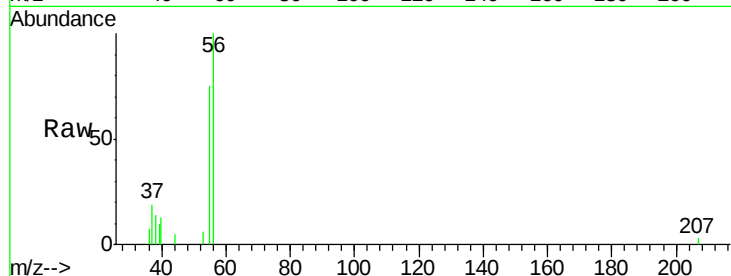
55 75.6 61.2 91.8

Manual Integrations

APPROVED

MMDadoda

11/24/2020 2:56:41 PM



#14

Allyl chloride

Concen: 20.537 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067746.D

Acq: 23 Nov 2020 15:26

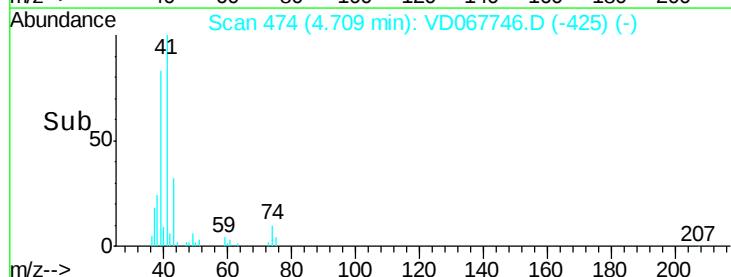
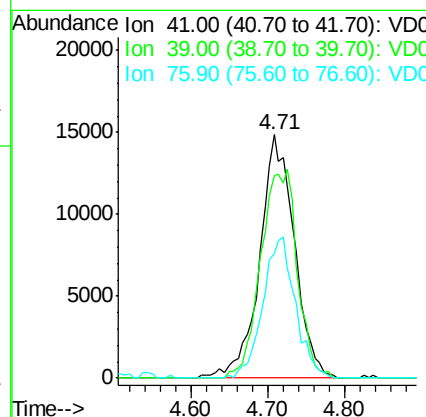
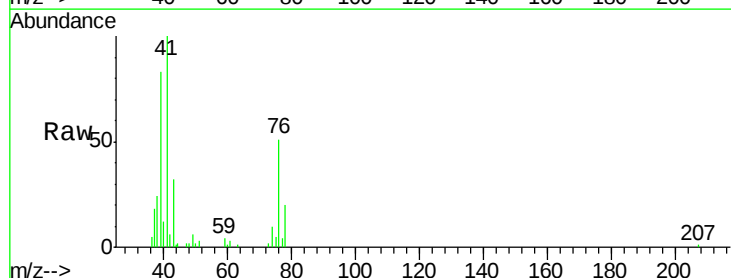
Tgt Ion: 41 Resp: 46763

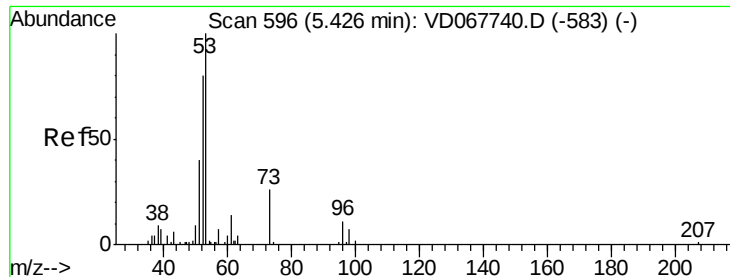
Ion Ratio Lower Upper

41 100

39 89.9 74.6 111.8

76 54.1 43.3 64.9





#15

Acrylonitrile

Concen: 98.253 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD067746.D

Acq: 23 Nov 2020 15:26

Instrument :

MSVOA_D

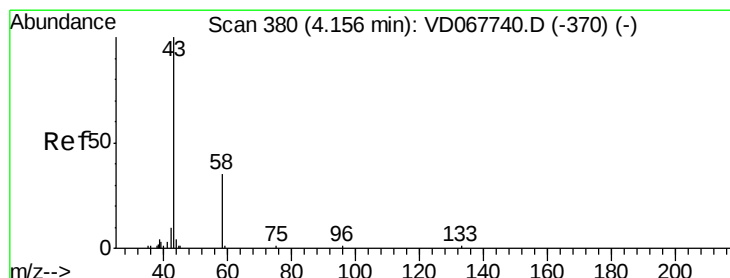
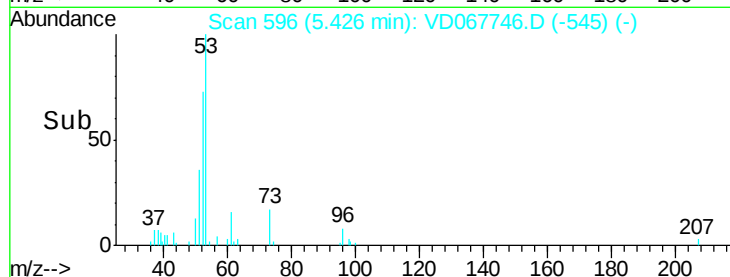
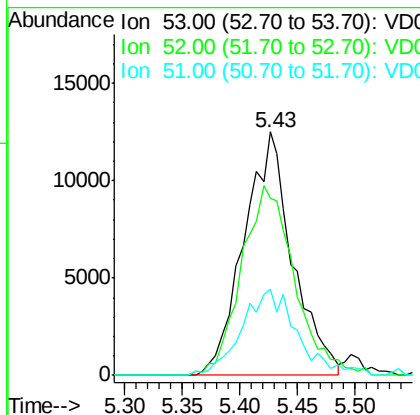
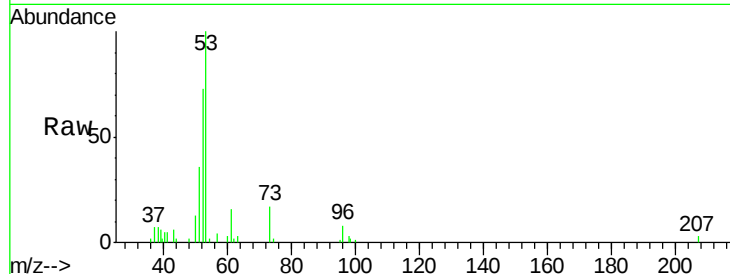
ClientSampleId :

VD1123SBSD01

Tot Ion:	53	Resp:	36730
Ion	Ratio	Lower	Upper
53	100		
52	84.9	63.4	95.2
51	40.4	31.4	47.2

Manual Integrations
APPROVED

MMDadoda
11/24/2020 2:56:41 PM



#16

Acetone

Concen: 96.463 ug/l

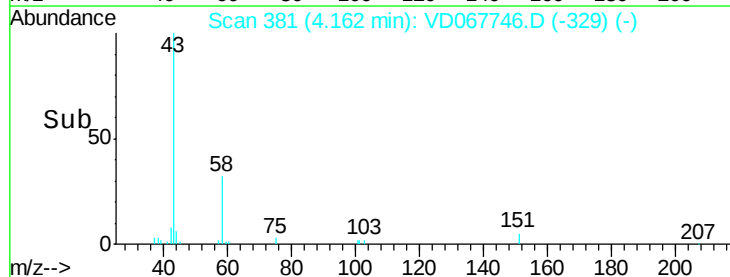
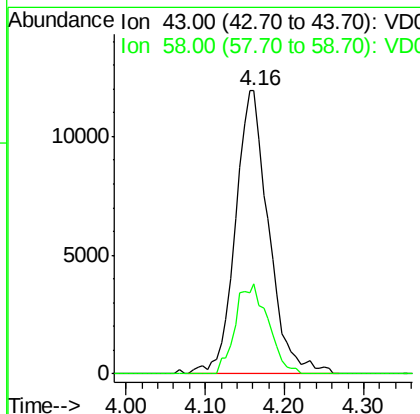
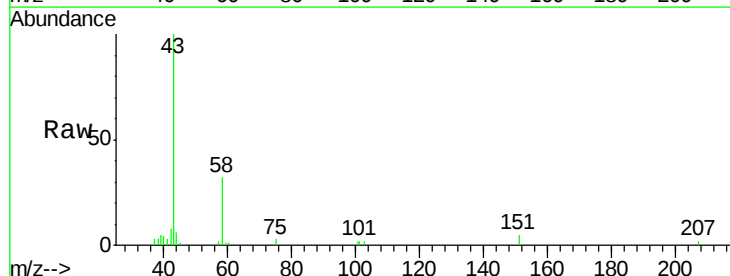
RT: 4.16 min Scan# 381

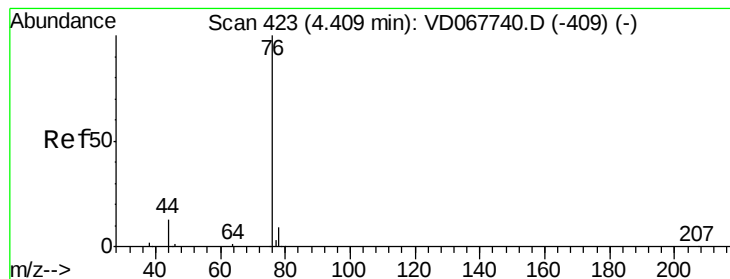
Delta R.T. 0.01 min

Lab File: VD067746.D

Acq: 23 Nov 2020 15:26

Tgt Ion:	43	Resp:	34771
Ion	Ratio	Lower	Upper
43	100		
58	31.7	27.6	41.4





#17

Carbon Disulfide

Concen: 20.101 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD067746.D

Acq: 23 Nov 2020 15:26

Instrument :

MSVOA_D

ClientSampleId :

VD1123SBS01

Tot Ion: 76 Resp: 136952

Ion Ratio Lower Upper

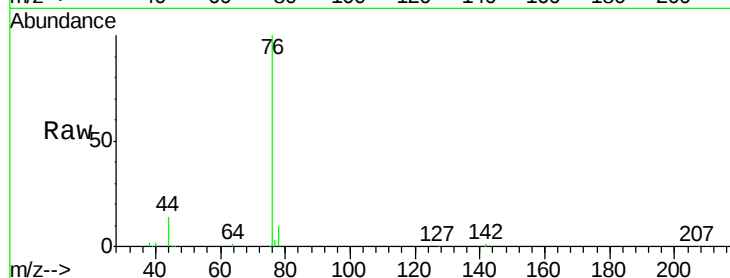
76 100

78 9.7 7.5 11.3

Manual Integrations
APPROVED

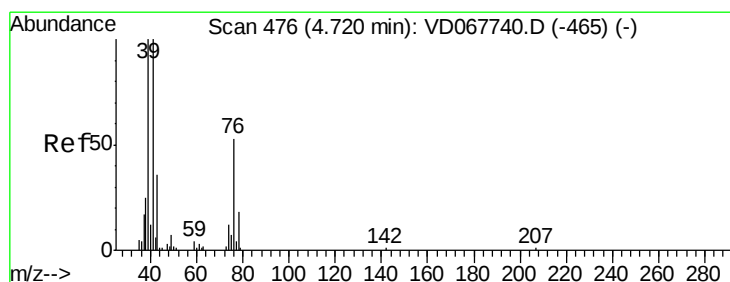
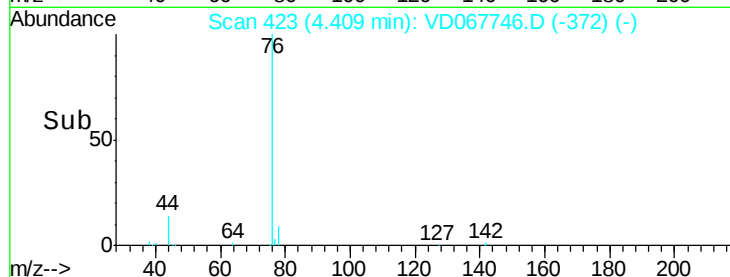
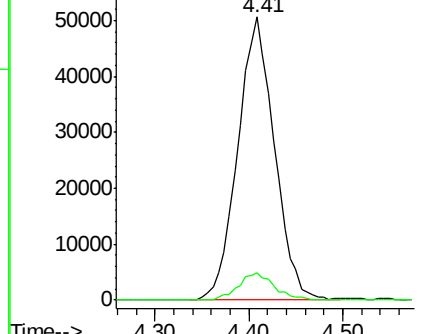
MMDadoda

11/24/2020 2:56:41 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 21.262 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD067746.D

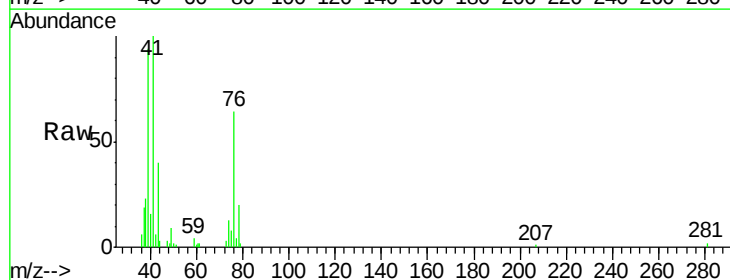
Acq: 23 Nov 2020 15:26

Tgt Ion: 43 Resp: 15419

Ion Ratio Lower Upper

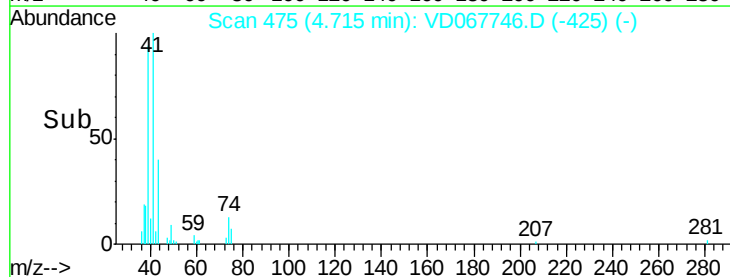
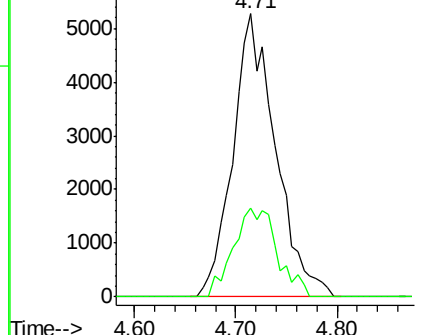
43 100

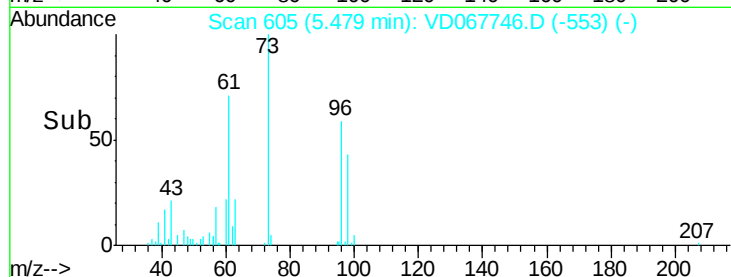
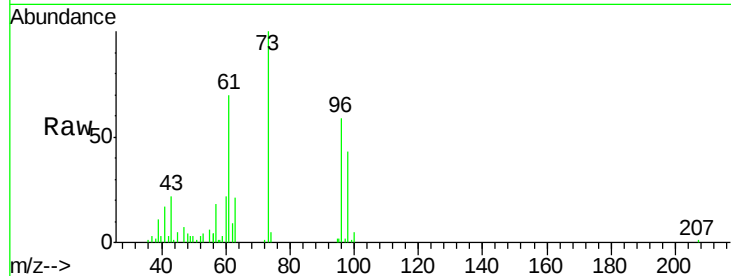
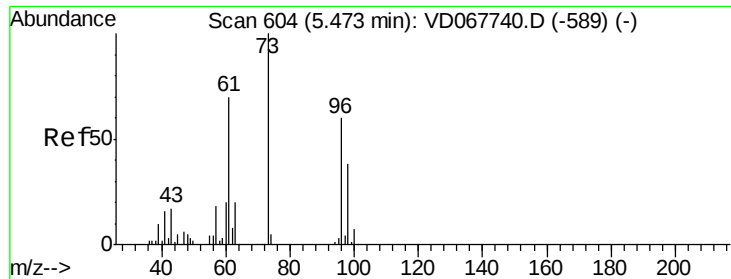
74 32.0 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





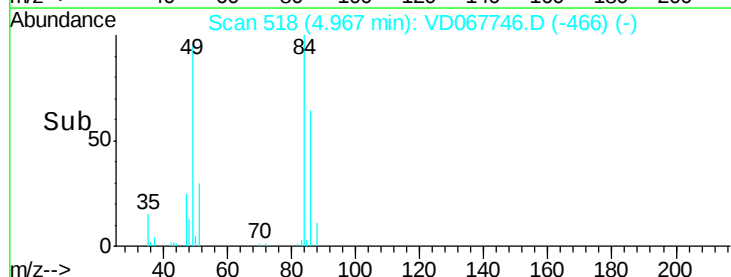
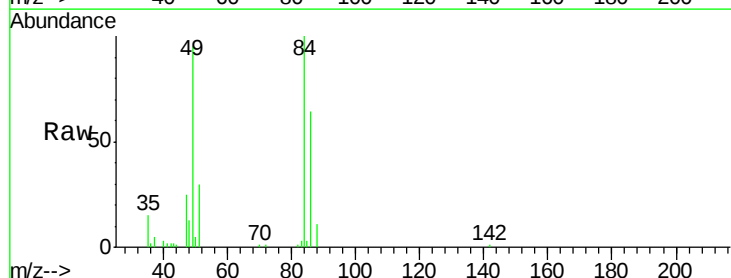
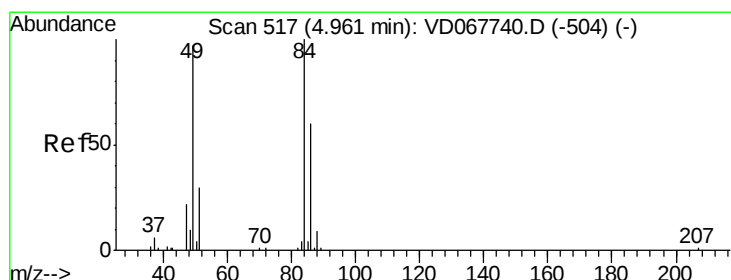
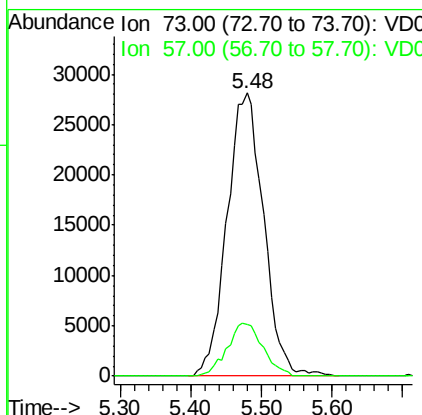
#19
Methyl tert-butyl Ether
Concen: 20.129 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067746.D
Acq: 23 Nov 2020 15:26

Tot Ion: 73 Resp: 101334
Ion Ratio Lower Upper
73 100
57 18.2 14.8 22.2

Instrument :
MSVOA_D
ClientSampleId :
VD1123SBS01

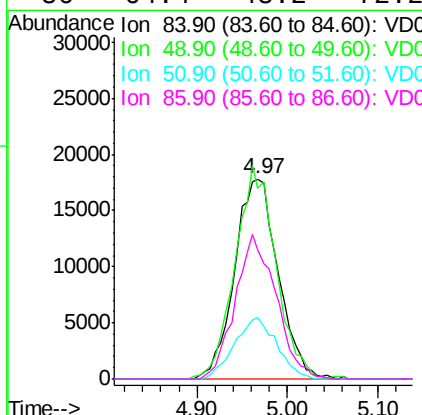
Manual Integrations
APPROVED

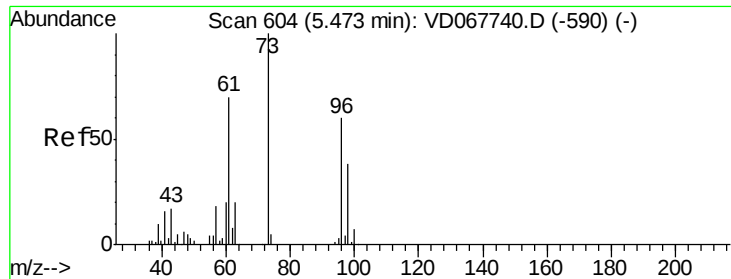
MMDadoda
11/24/2020 2:56:41 PM



#20
Methylene Chloride
Concen: 17.033 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067746.D
Acq: 23 Nov 2020 15:26

Tgt Ion: 84 Resp: 59491
Ion Ratio Lower Upper
84 100
49 94.9 77.4 116.2
51 30.4 24.1 36.1
86 64.4 48.2 72.2





#21

trans-1,2-Dichloroethene

Concen: 19.625 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067746.D

Acq: 23 Nov 2020 15:26

Instrument :

MSVOA_D

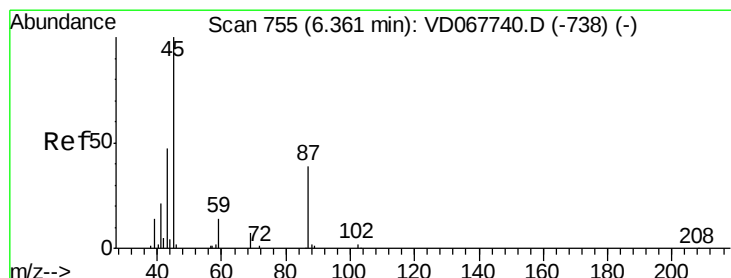
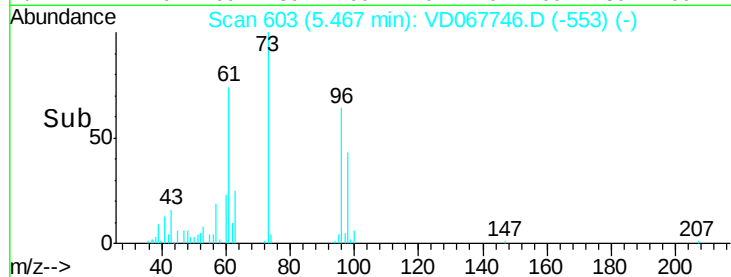
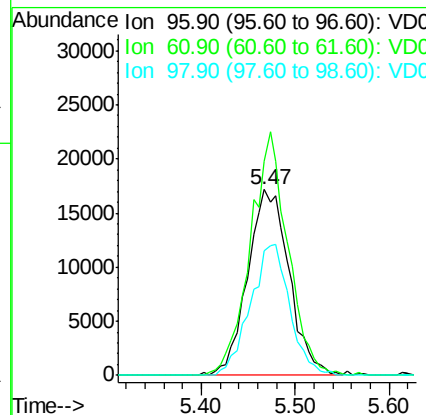
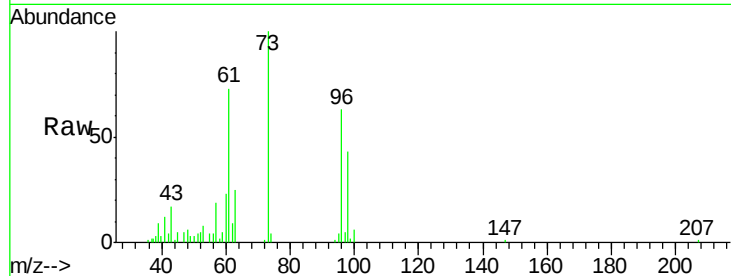
ClientSampleId :

VD1123SBS01

Tot Ion:	96	Resp:	52558
Ion	Ratio	Lower	Upper
96	100		
61	115.5	94.0	141.0
98	67.4	51.3	76.9

Manual Integrations
APPROVED

MMDadoda
11/24/2020 2:56:41 PM



#22

Diisopropyl ether

Concen: 20.976 ug/l

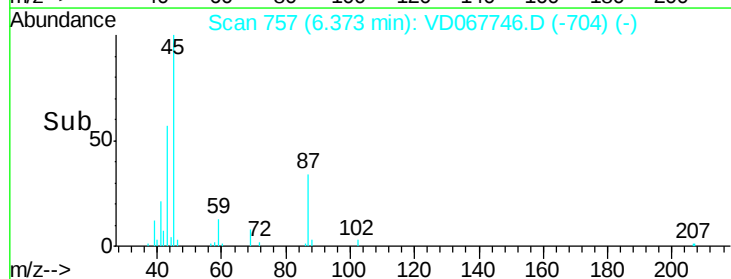
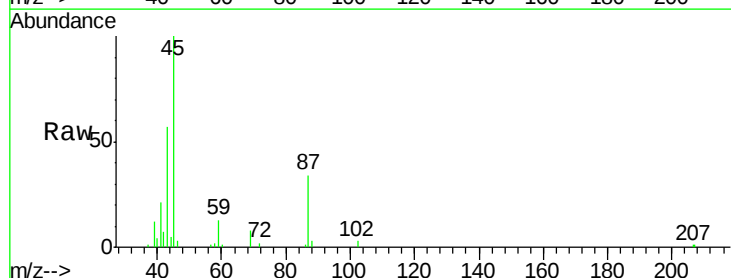
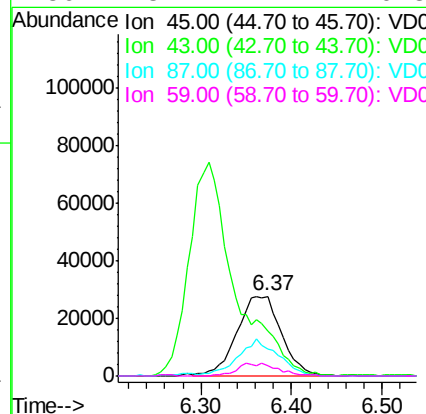
RT: 6.37 min Scan# 757

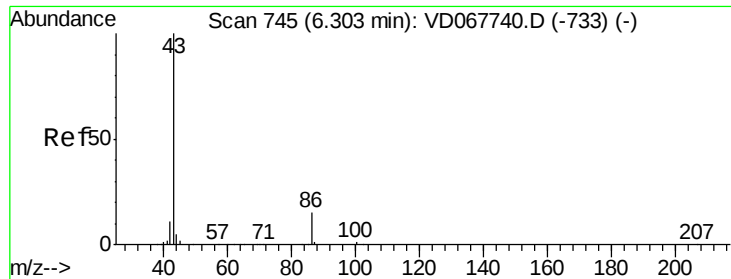
Delta R.T. 0.01 min

Lab File: VD067746.D

Acq: 23 Nov 2020 15:26

Tgt Ion:	45	Resp:	94283
Ion	Ratio	Lower	Upper
45	100		
43	55.4	46.8	70.2
87	33.6	32.9	49.3
59	13.1	11.2	16.8





#23

Vinyl Acetate

Concen: 104.003 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD067746.D

Acq: 23 Nov 2020 15:26

Instrument :

MSVOA_D

ClientSampleId :

VD1123SBS01

Tot Ion: 43 Resp: 263693

Ion Ratio Lower Upper

43 100

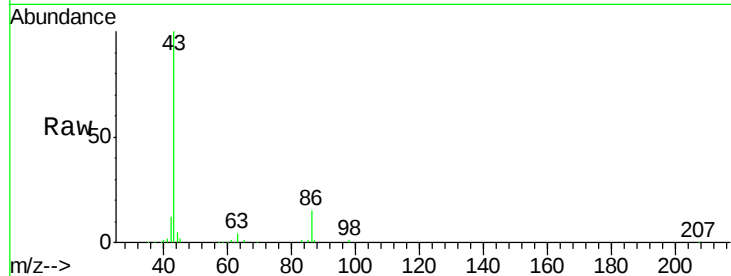
86 15.0 11.7 17.5

Manual Integrations

APPROVED

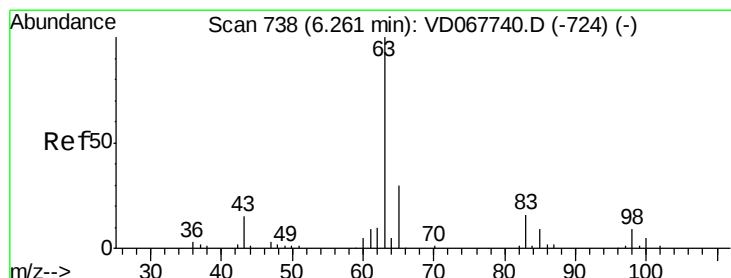
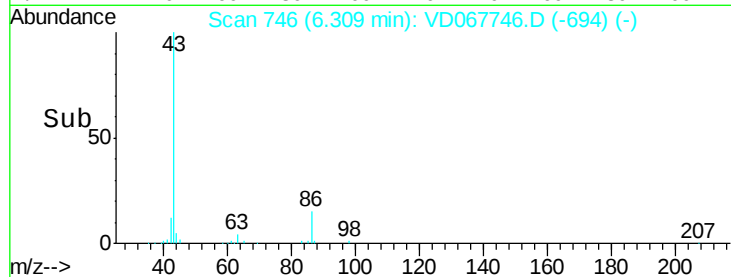
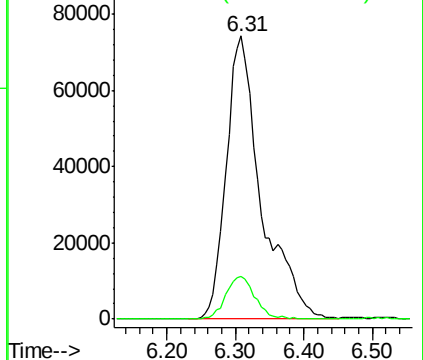
MMDadoda

11/24/2020 2:56:41 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.765 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD067746.D

Acq: 23 Nov 2020 15:26

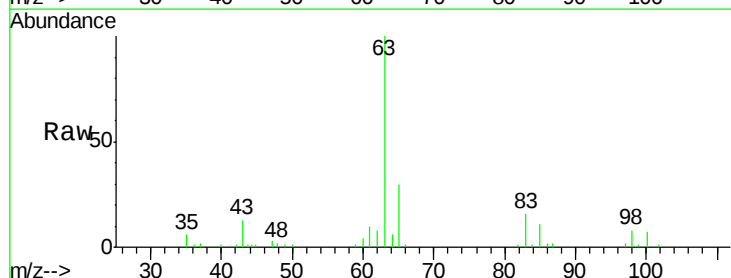
Tgt Ion: 63 Resp: 79131

Ion Ratio Lower Upper

63 100

98 7.9 4.4 13.2

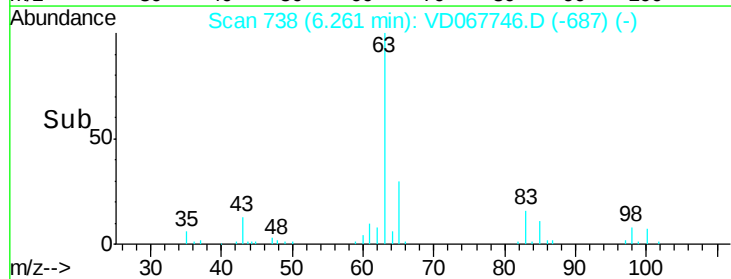
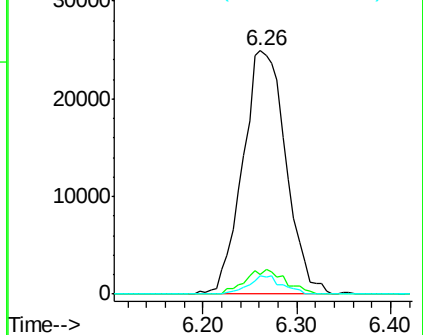
100 7.3 2.6 8.0

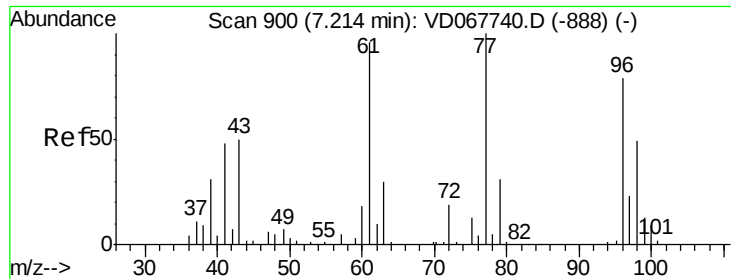


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 98.342 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067746.D

Acq: 23 Nov 2020 15:26

Instrument :

MSVOA_D

ClientSampleId :

VD1123SBS01

Tot Ion: 43 Resp: 39778

Ion Ratio Lower Upper

43 100

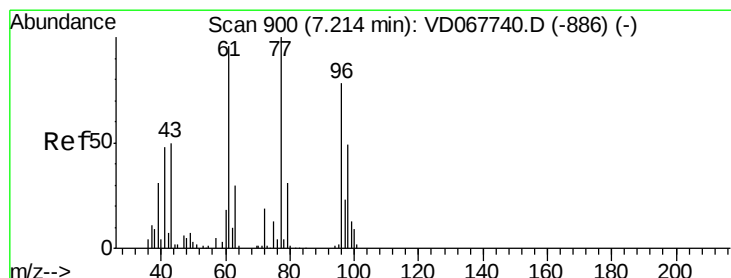
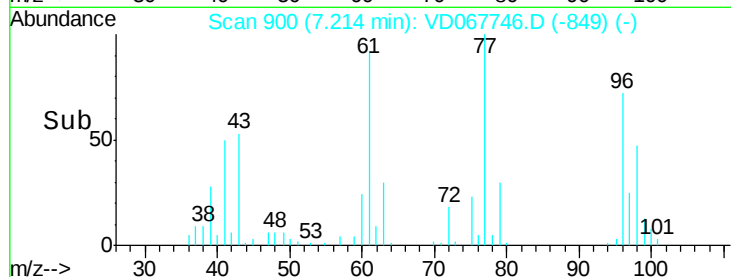
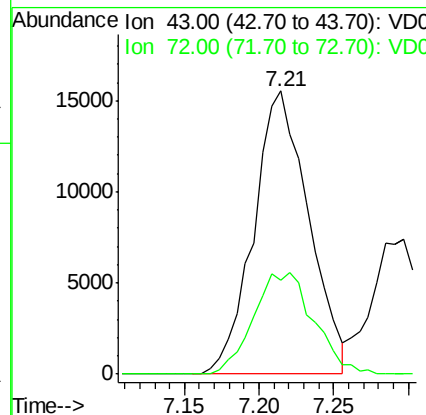
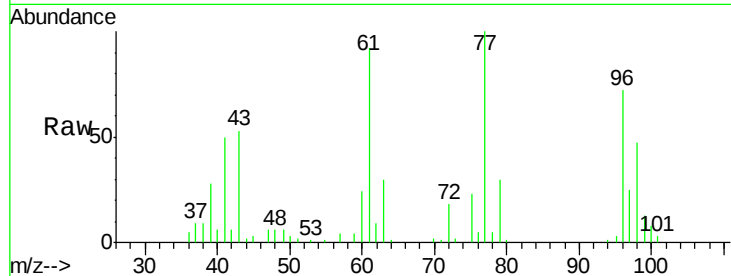
72 33.1 30.8 46.2

Manual Integrations

APPROVED

MMDadoda

11/24/2020 2:56:41 PM



#26

2,2-Dichloropropane

Concen: 19.731 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067746.D

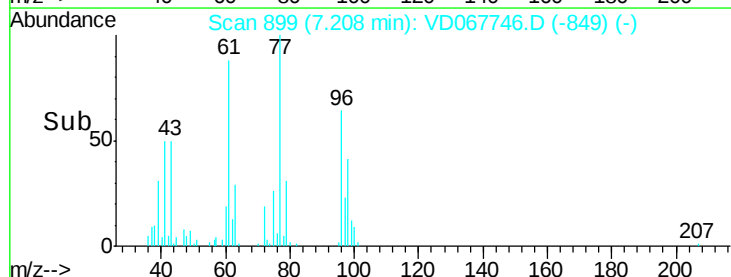
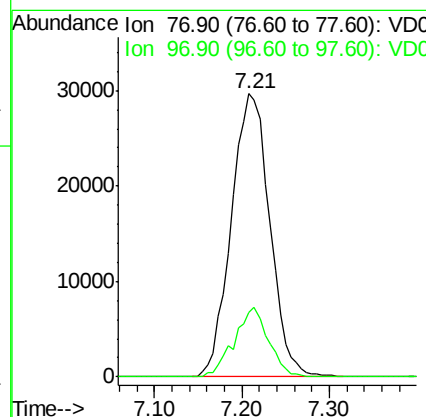
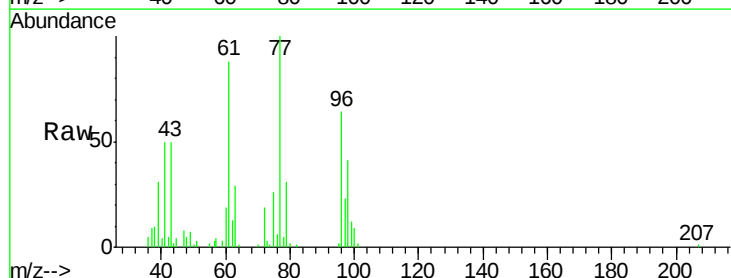
Acq: 23 Nov 2020 15:26

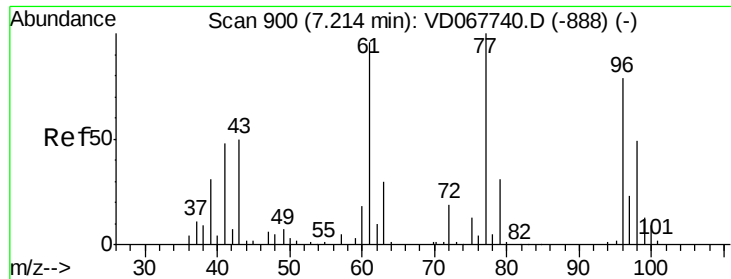
Tgt Ion: 77 Resp: 88702

Ion Ratio Lower Upper

77 100

97 21.9 11.1 33.3





#27

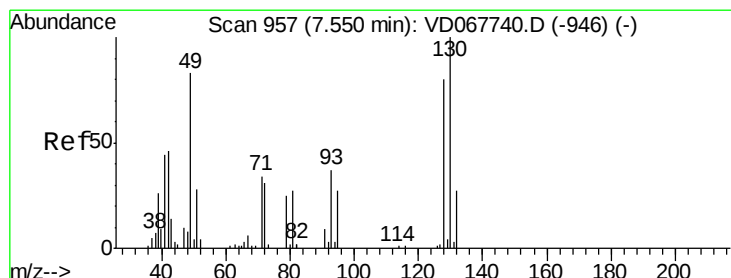
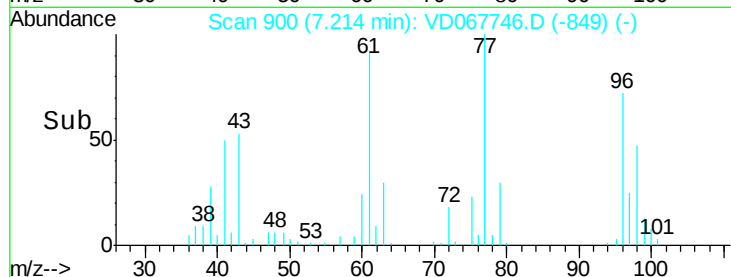
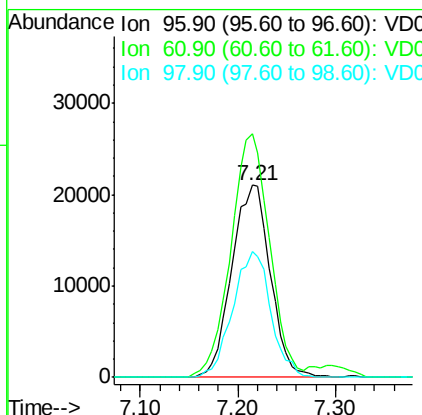
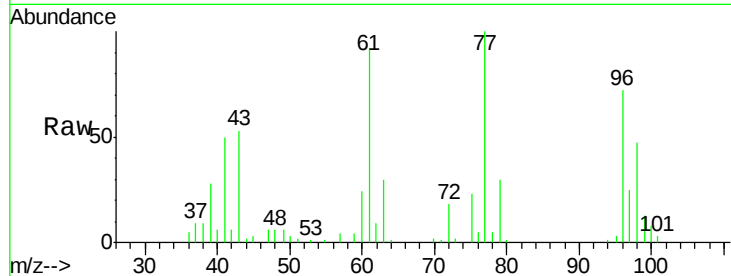
cis-1,2-Dichloroethene
Concen: 20.202 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067746.D
Acq: 23 Nov 2020 15:26

Instrument :
MSVOA_D
ClientSampleId :
VD1123SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.4	0.0	258.0
98	64.6	0.0	131.8

Manual Integrations
APPROVED

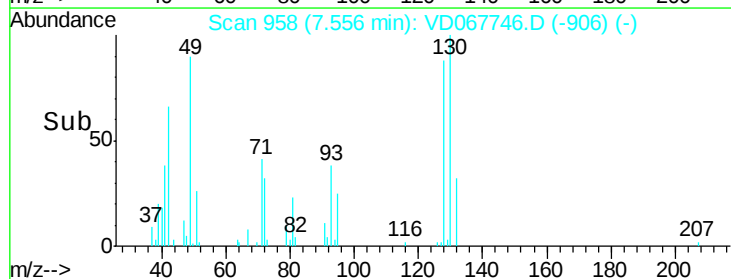
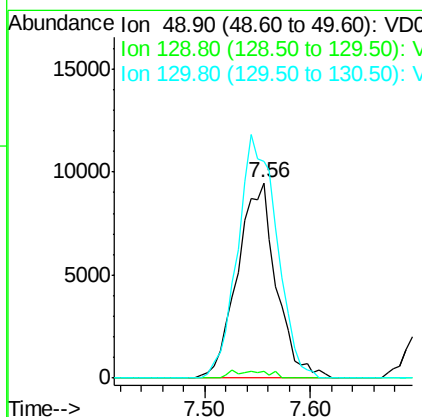
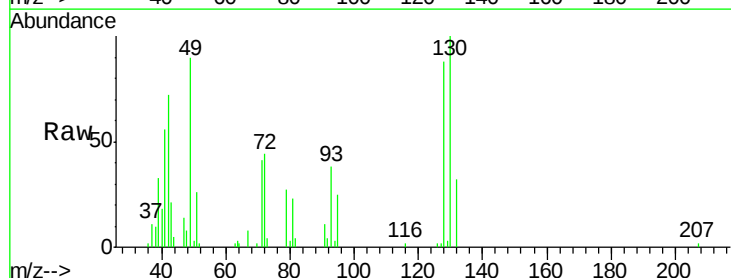
MMDadoda
11/24/2020 2:56:41 PM

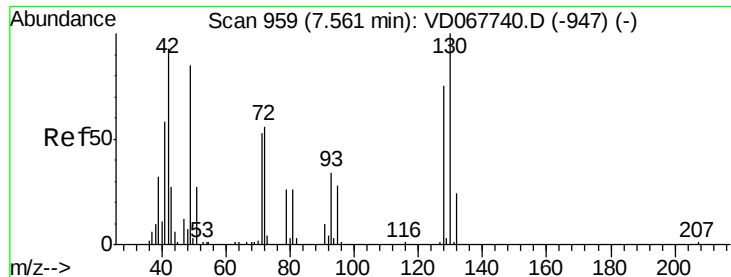


#28

Bromochloromethane
Concen: 19.761 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.01 min
Lab File: VD067746.D
Acq: 23 Nov 2020 15:26

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	7.0
130	126.0	102.2	153.4





#29

Tetrahydrofuran

Concen: 108.946 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD067746.D

Acq: 23 Nov 2020 15:26

Instrument :

MSVOA_D

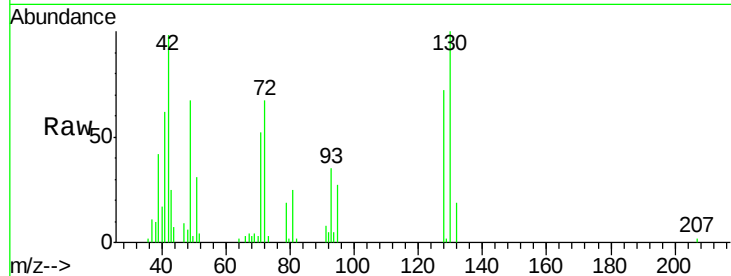
ClientSampleId :

VD1123SBS01

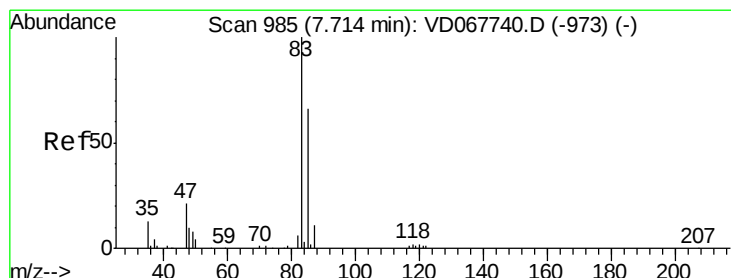
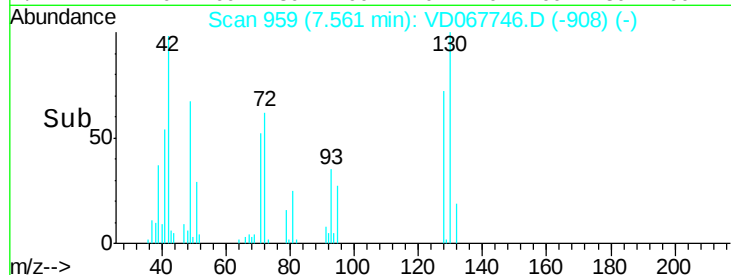
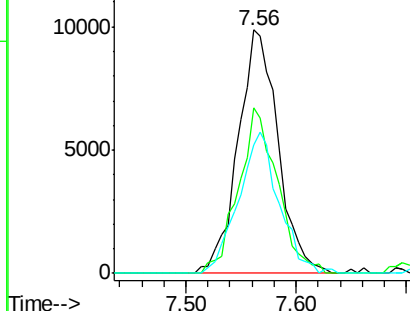
Tot Ion:	42	Resp:	25055
Ion	Ratio	Lower	Upper
42	100		
72	66.3	49.3	73.9
71	58.9	45.9	68.9

Manual Integrations
APPROVED

MMDadoda
11/24/2020 2:56:41 PM



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 19.480 ug/l

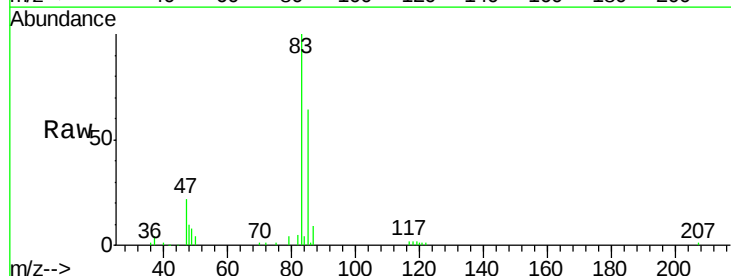
RT: 7.71 min Scan# 984

Delta R.T. -0.01 min

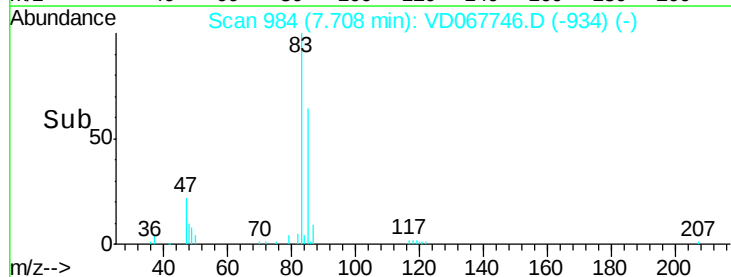
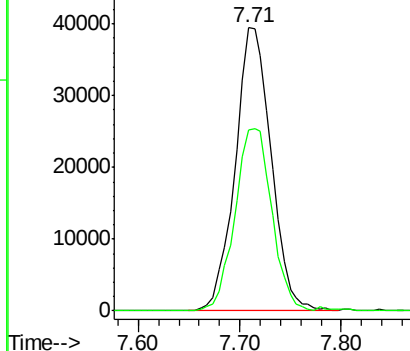
Lab File: VD067746.D

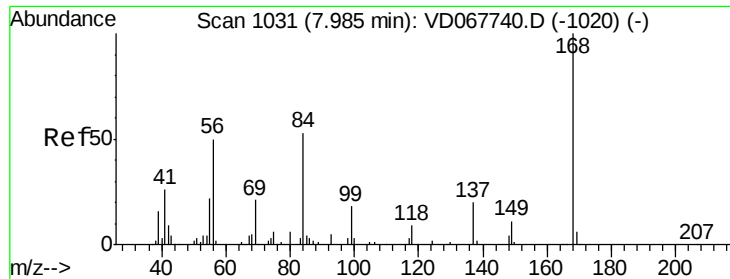
Acq: 23 Nov 2020 15:26

Tgt Ion:	83	Resp:	97075
Ion	Ratio	Lower	Upper
83	100		
85	64.0	53.1	79.7



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





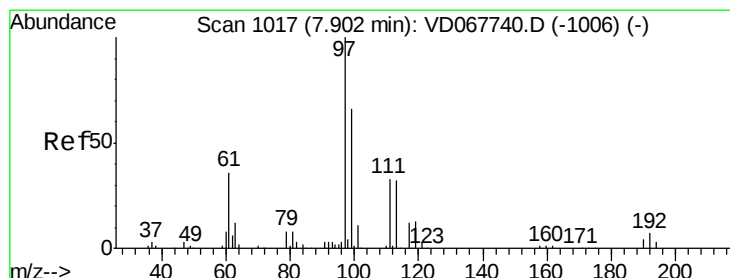
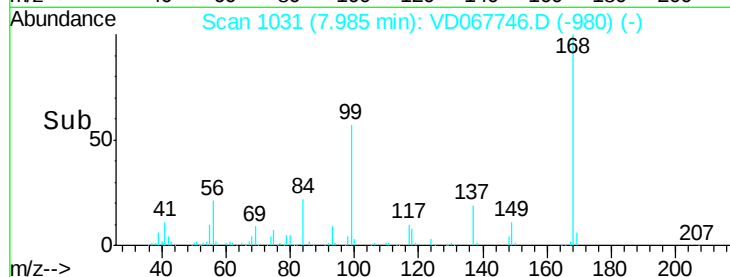
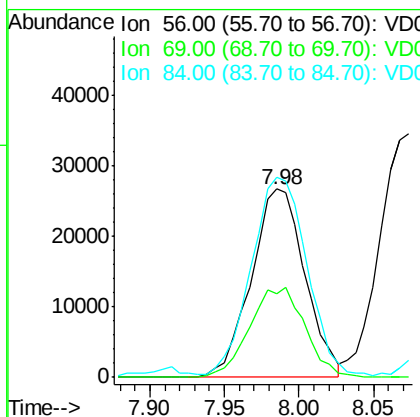
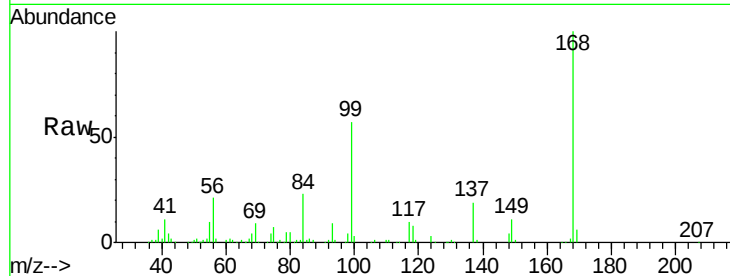
#31
Cyclohexane
Concen: 19.827 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067746.D
Acq: 23 Nov 2020 15:26

Instrument :
MSVOA_D
ClientSampleId :
VD1123SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	44.4	33.2	49.8
84	103.9	84.8	127.2

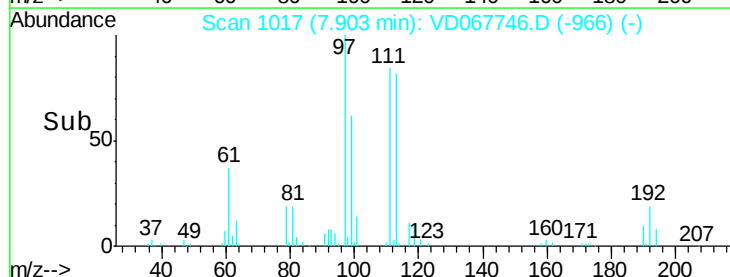
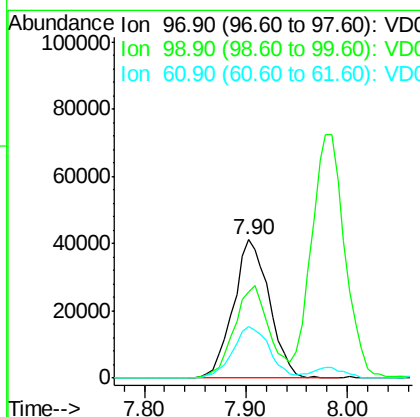
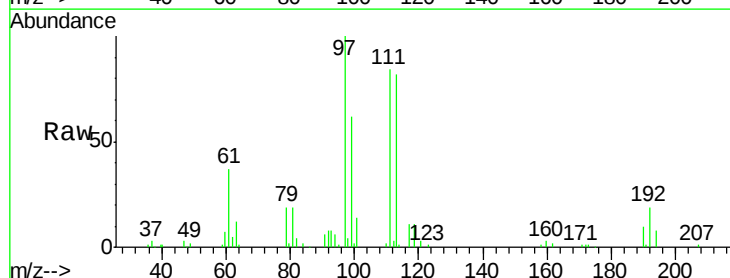
Manual Integrations
APPROVED

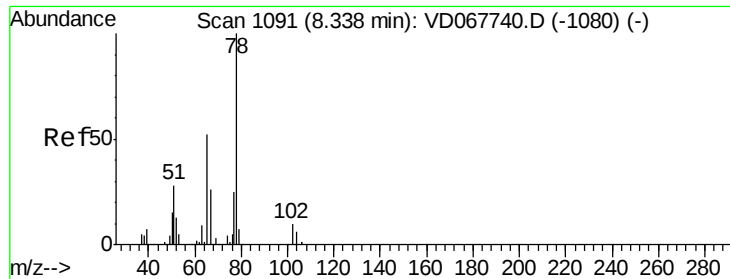
MMDadoda
11/24/2020 2:56:41 PM



#32
1,1,1-Trichloroethane
Concen: 19.258 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067746.D
Acq: 23 Nov 2020 15:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.1	76.7
61	38.1	29.4	44.2





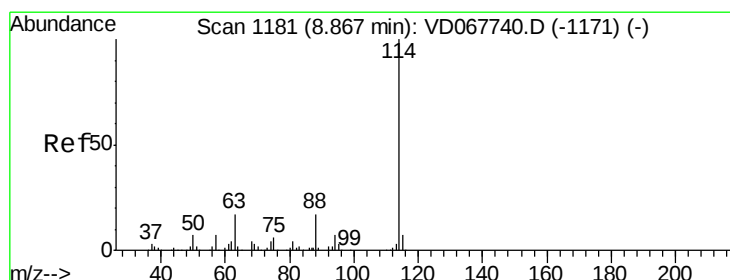
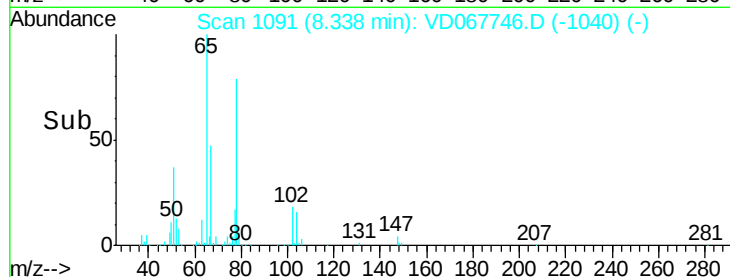
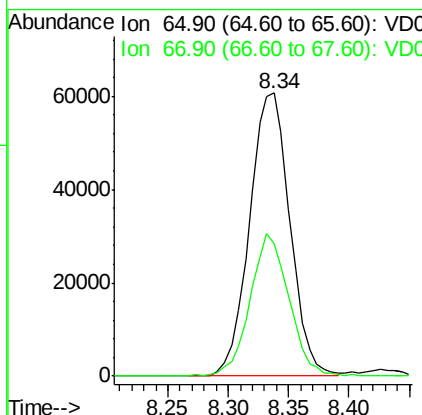
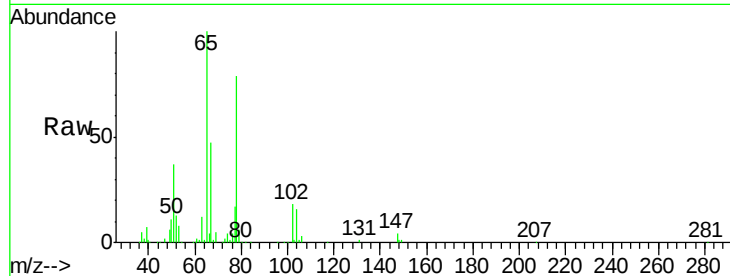
#33
 1,2-Dichloroethane-d4
 Concen: 50.282 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD067746.D
 Acq: 23 Nov 2020 15:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1123SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	48.4	0.0	101.0

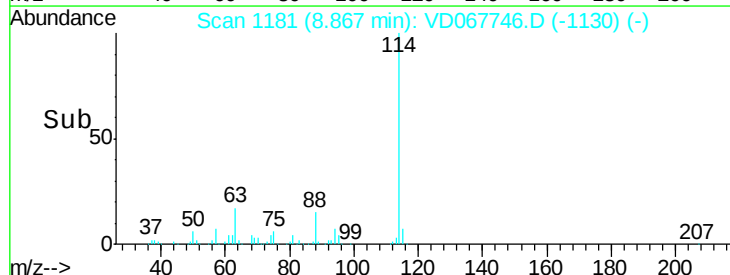
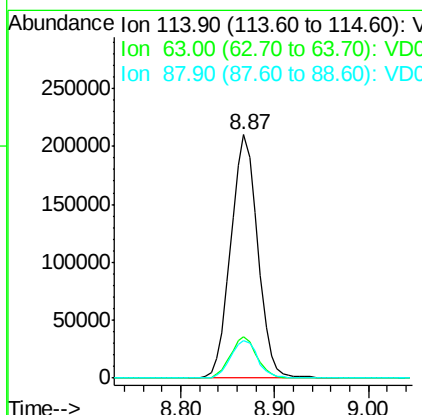
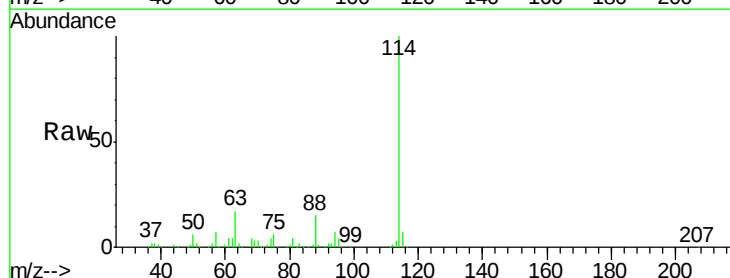
Manual Integrations
 APPROVED

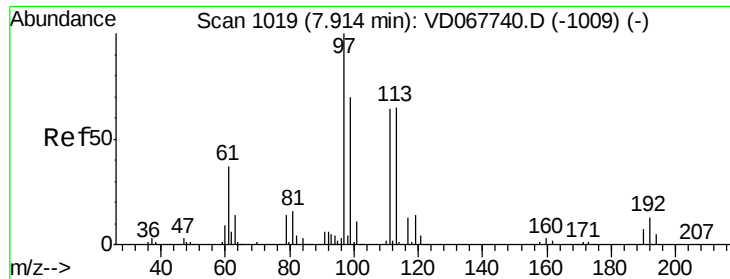
MMDadoda
 11/24/2020 2:56:41 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067746.D
 Acq: 23 Nov 2020 15:26

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.2	0.0	34.8
88	15.4	0.0	34.4





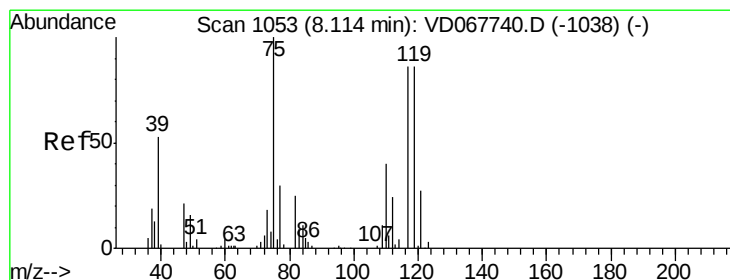
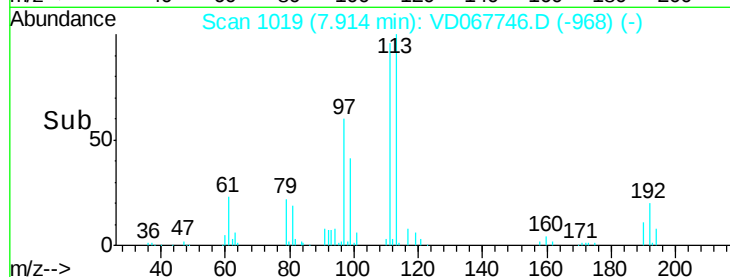
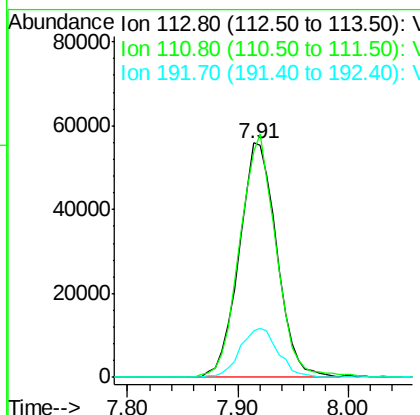
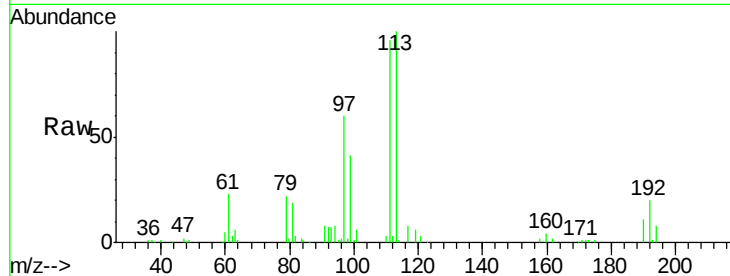
#35
Dibromofluoromethane
Concen: 50.403 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD067746.D
Acq: 23 Nov 2020 15:26

Instrument :
MSVOA_D
ClientSampleId :
VD1123SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	133968		
111	100.5	81.4	122.0	
192	21.2	17.0	25.4	

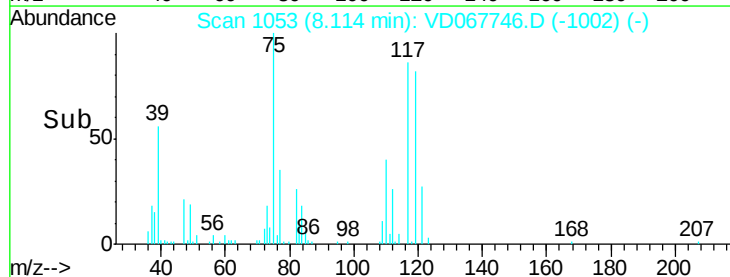
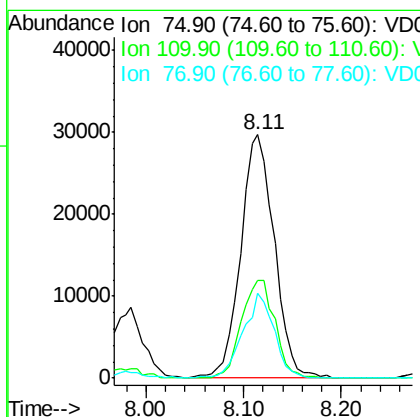
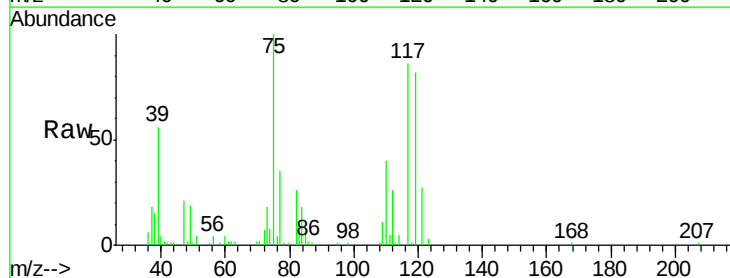
Manual Integrations
APPROVED

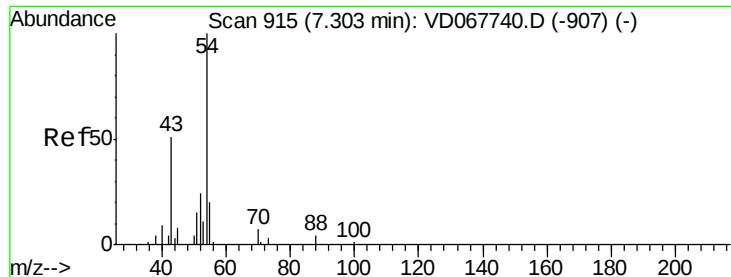
MMDadoda
11/24/2020 2:56:41 PM



#36
1,1-Dichloropropene
Concen: 19.829 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD067746.D
Acq: 23 Nov 2020 15:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	71066		
110	40.0	20.1	60.2	
77	32.4	24.8	37.2	





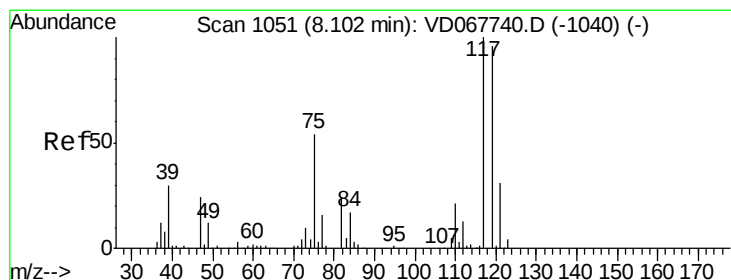
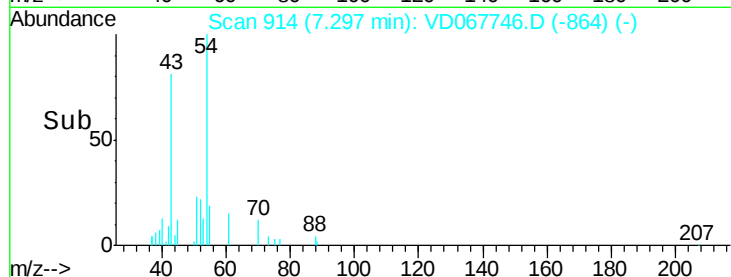
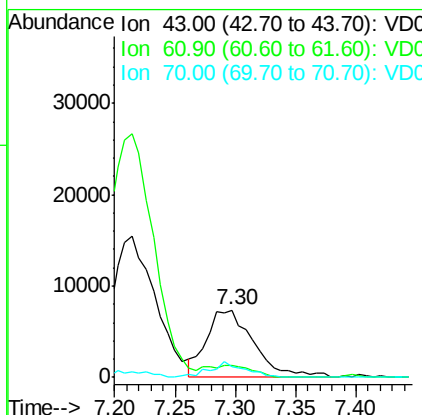
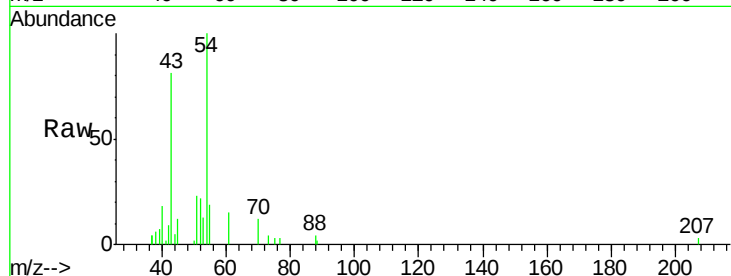
#37
Ethyl Acetate
Concen: 20.728 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD067746.D
Acq: 23 Nov 2020 15:26

Instrument :
MSVOA_D
ClientSampleId :
VD1123SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.5	12.9	19.3
70	16.9	12.2	18.2

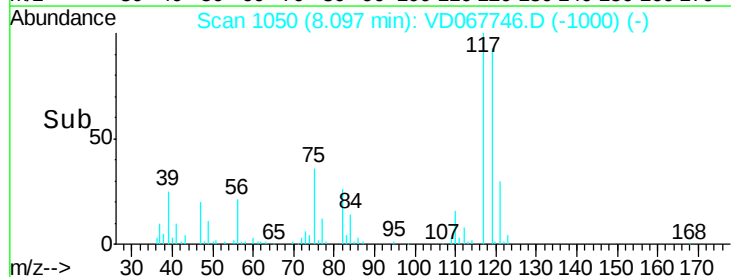
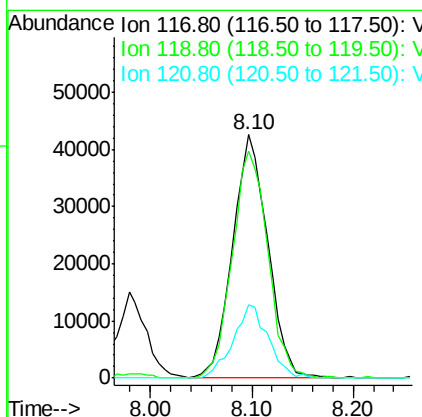
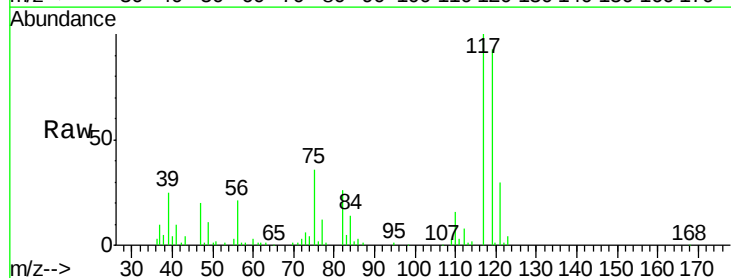
Manual Integrations
APPROVED

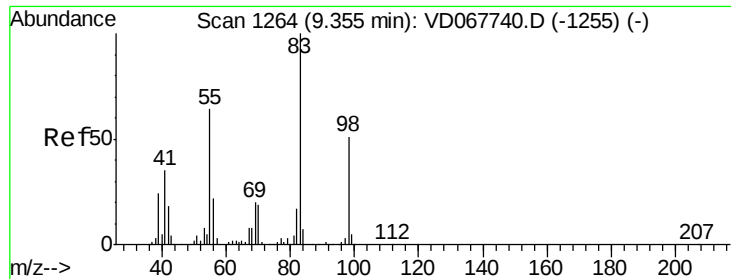
MMDadoda
11/24/2020 2:56:41 PM



#38
Carbon Tetrachloride
Concen: 19.752 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD067746.D
Acq: 23 Nov 2020 15:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.2	76.6	115.0
121	30.0	24.5	36.7





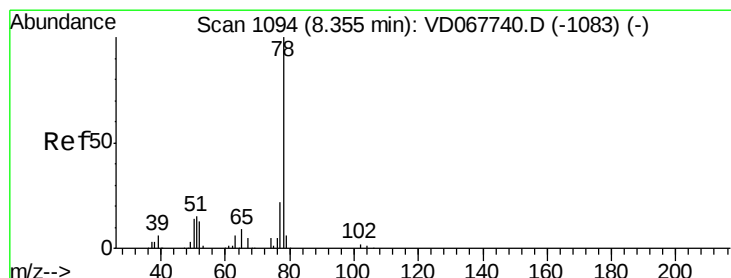
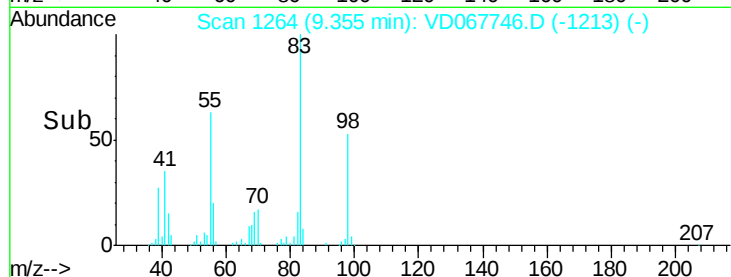
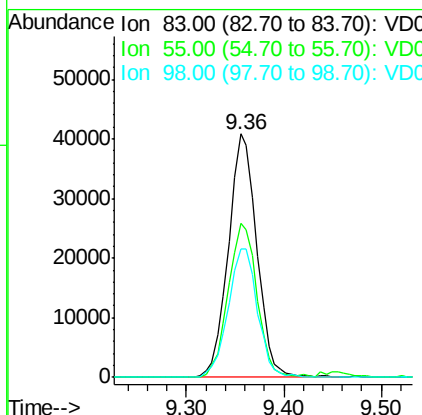
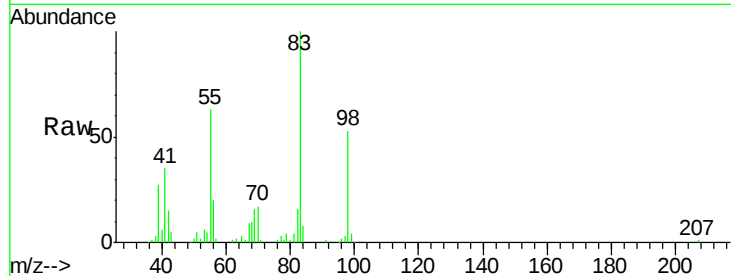
#39
Methvlcvclohexane
Concen: 19.480 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067746.D
Acq: 23 Nov 2020 15:26

Instrument :
MSVOA_D
ClientSampleId :
VD1123SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	63.1	51.0	76.4
98	52.5	40.4	60.6

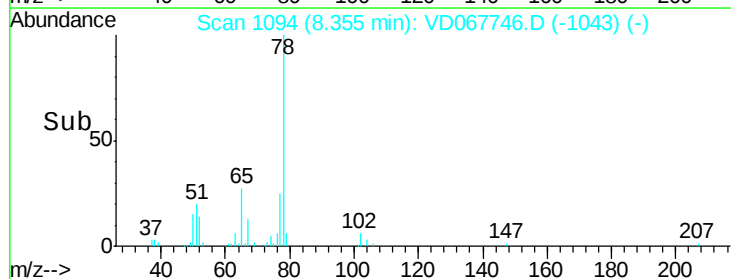
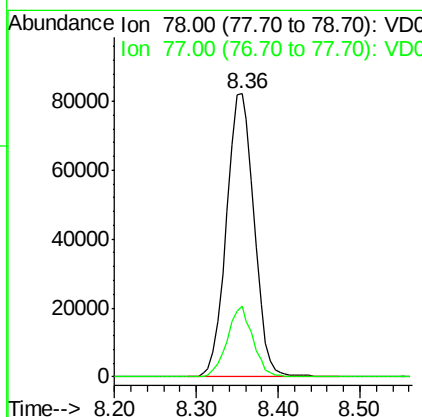
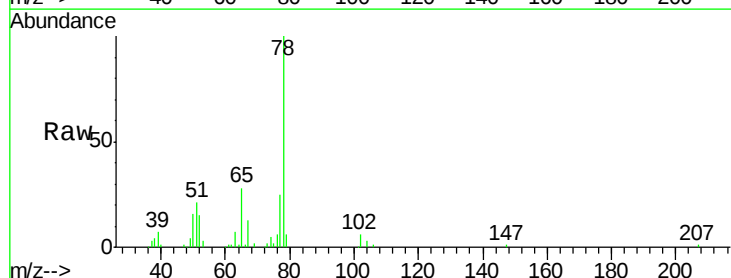
Manual Integrations
APPROVED

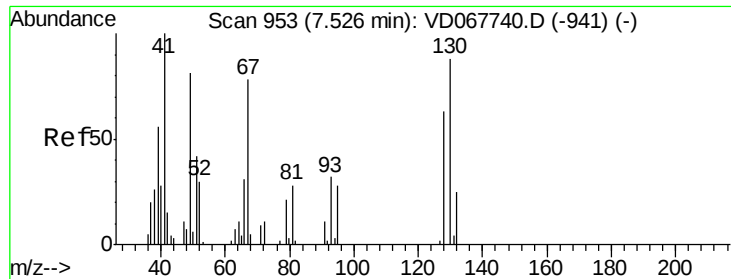
MMDadoda
11/24/2020 2:56:41 PM



#40
Benzene
Concen: 19.676 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD067746.D
Acq: 23 Nov 2020 15:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	17.8	26.6





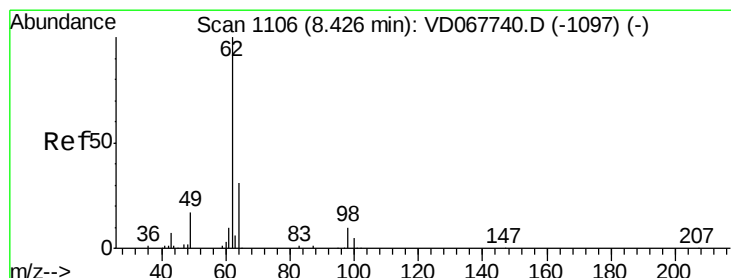
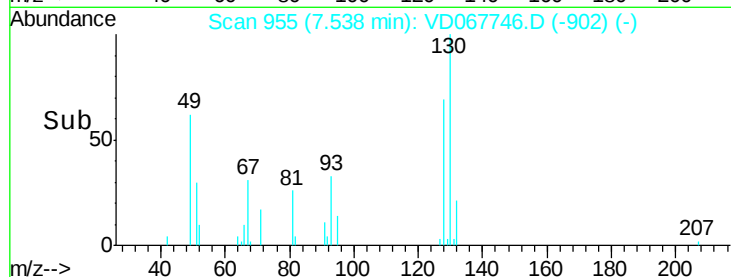
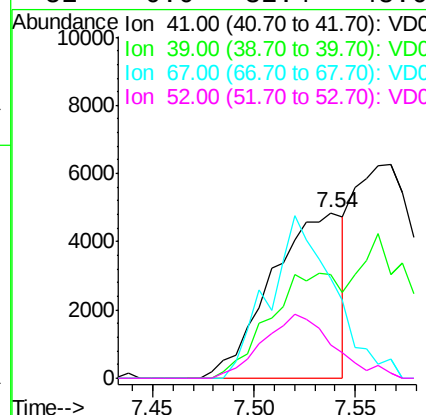
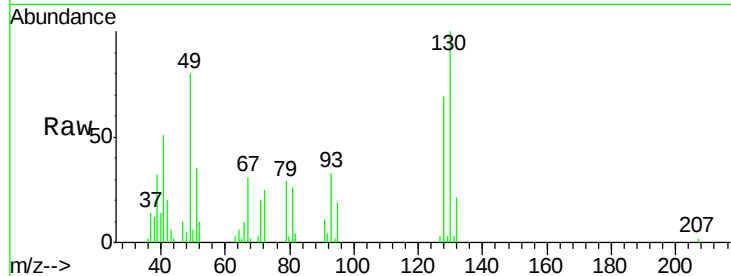
#41
Methacrylonitrile
Concen: 24.674 ug/l m
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD067746.D
Acq: 23 Nov 2020 15:26

Instrument :
MSVOA_D
ClientSampleId :
VD1123SBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.7	50.2	75.4
67	0.0	79.0	118.6#
52	0.0	32.4	48.6#

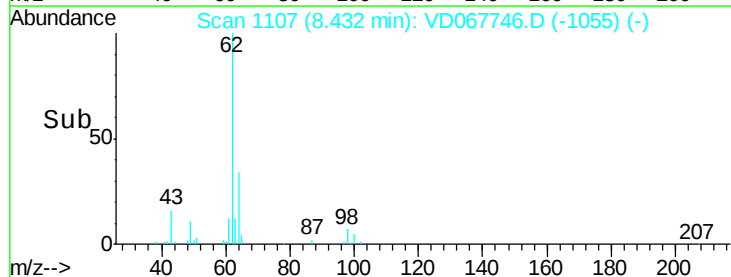
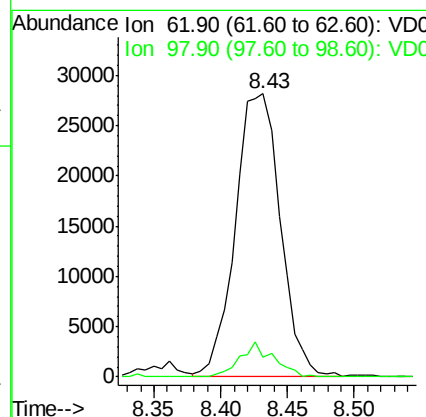
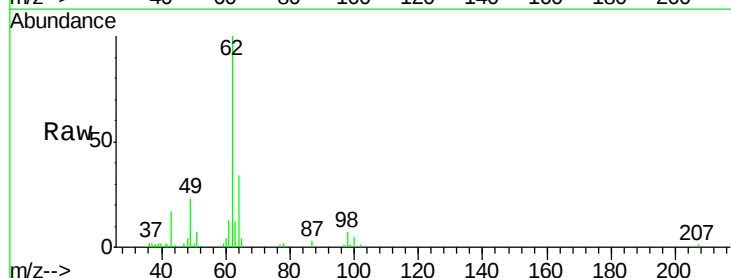
Manual Integrations
APPROVED

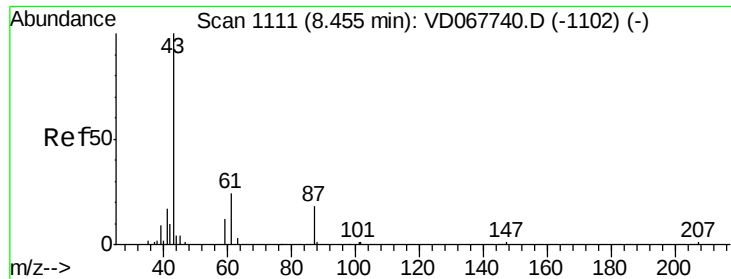
MMDadoda
11/24/2020 2:56:41 PM



#42
1,2-Dichloroethane
Concen: 19.784 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD067746.D
Acq: 23 Nov 2020 15:26

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.2





#43

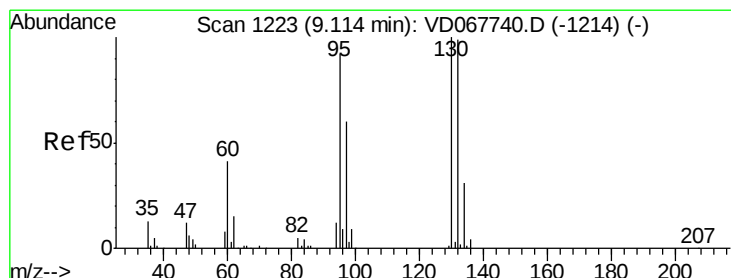
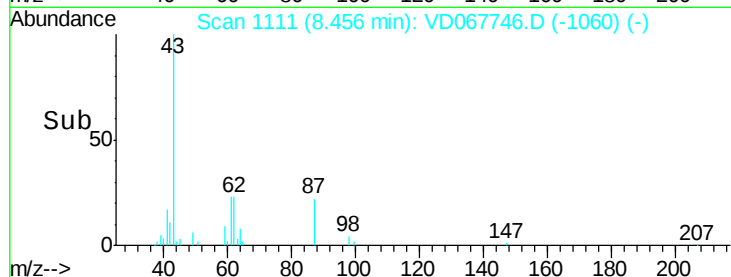
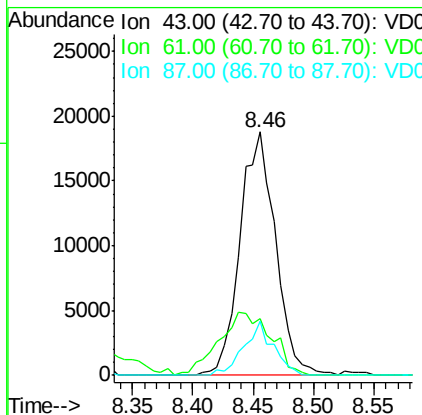
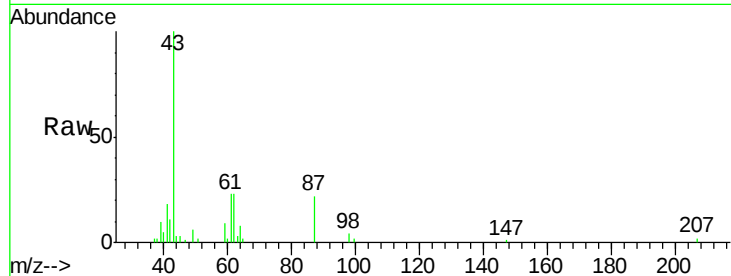
Isopropyl Acetate
 Concen: 20.085 ug/l
 RT: 8.46 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: VD067746.D
 Acq: 23 Nov 2020 15:26

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1123SBS01

Tot Ion	43	Resp	38653
Ion Ratio	100	Lower	Upper
43	100		
61	37.9	30.2	45.4
87	18.3	14.2	21.4

Manual Integrations
 APPROVED

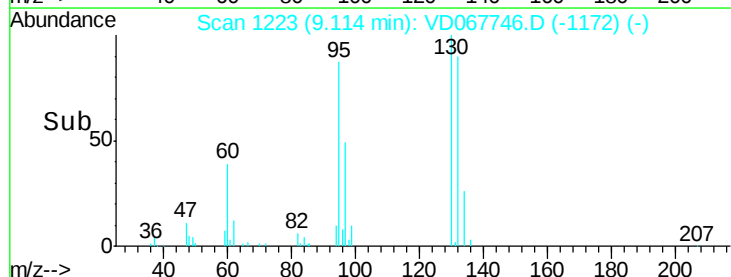
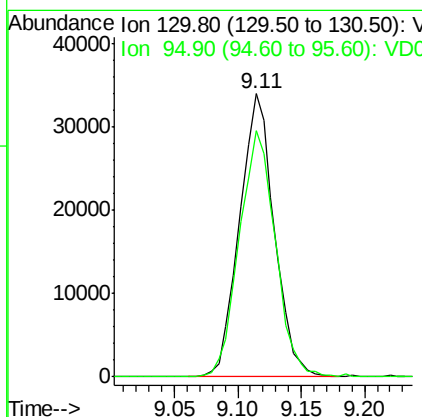
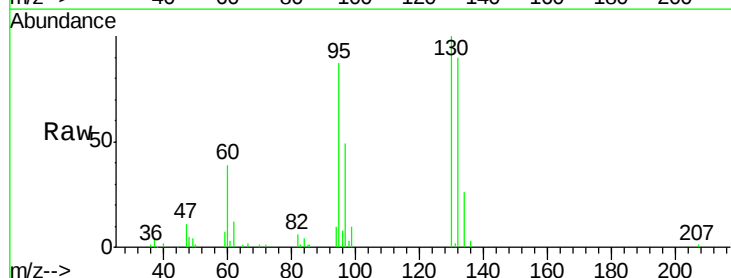
MMDadoda
 11/24/2020 2:56:41 PM

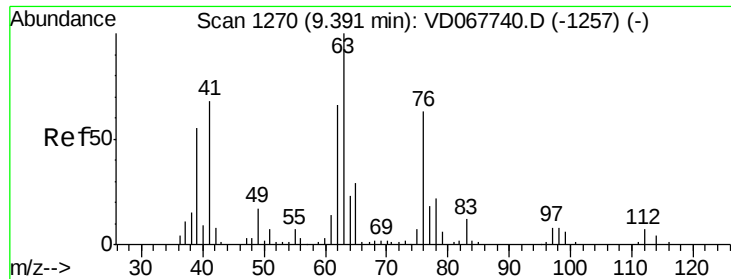


#44

Trichloroethene
 Concen: 19.800 ug/l
 RT: 9.11 min Scan# 1223
 Delta R.T. 0.00 min
 Lab File: VD067746.D
 Acq: 23 Nov 2020 15:26

Tgt Ion	130	Resp	64594
Ion Ratio	100	Lower	Upper
130	100		
95	86.9	0.0	184.2





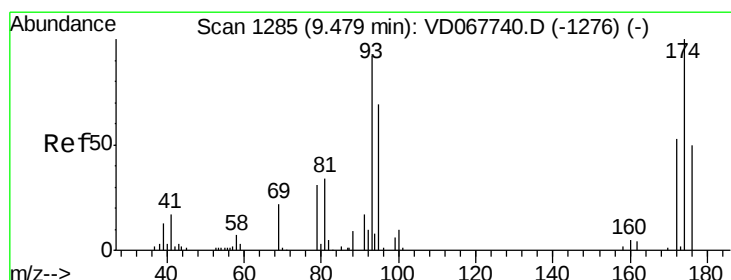
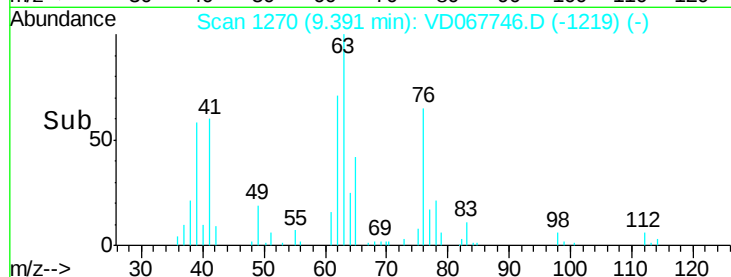
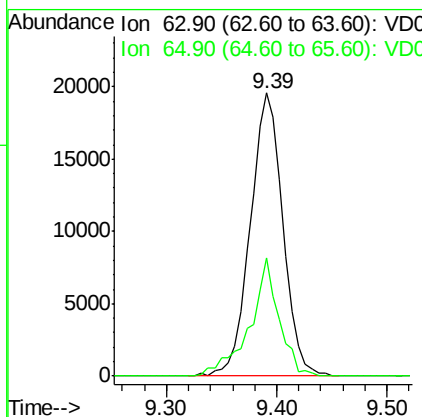
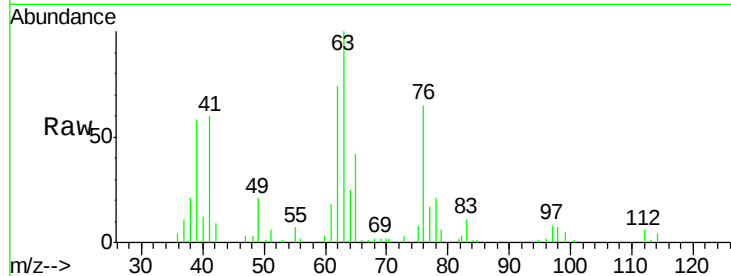
#45
 1,2-Dichloropropane
 Concen: 20.033 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067746.D
 Acq: 23 Nov 2020 15:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1123SBSD01

Tot Ion: 63 Resp: 40461
 Ion Ratio Lower Upper
 63 100
 65 41.6 23.1 34.7#

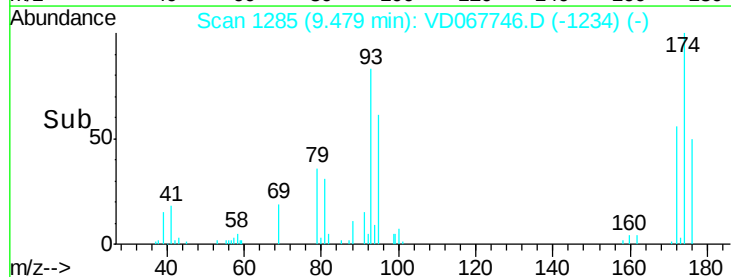
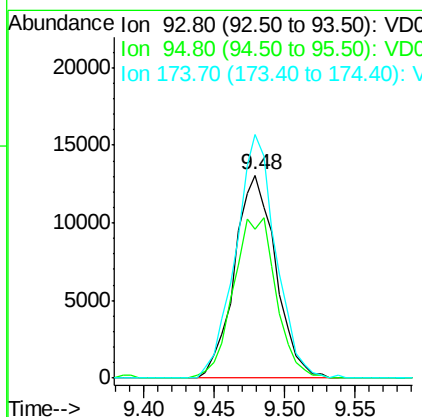
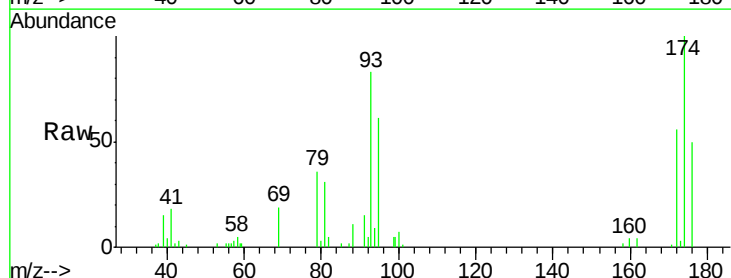
Manual Integrations
 APPROVED

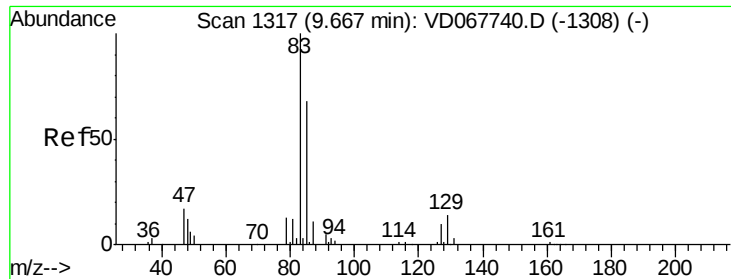
MMDadoda
 11/24/2020 2:56:41 PM



#46
 Dibromomethane
 Concen: 19.449 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067746.D
 Acq: 23 Nov 2020 15:26

Tgt Ion: 93 Resp: 26743
 Ion Ratio Lower Upper
 93 100
 95 81.6 63.4 95.2
 174 116.6 89.6 134.4





#47

Bromodichloromethane

Concen: 19.968 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD067746.D

Acq: 23 Nov 2020 15:26

Instrument :

MSVOA_D

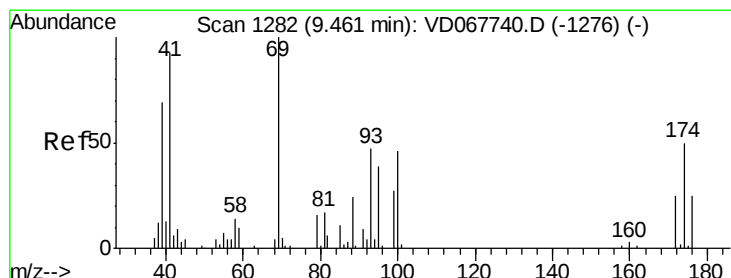
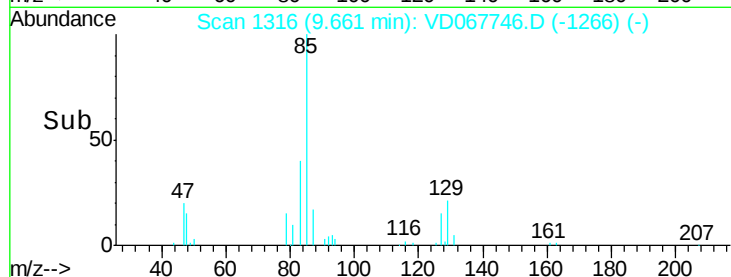
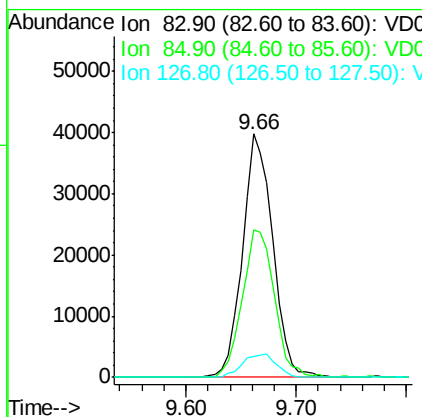
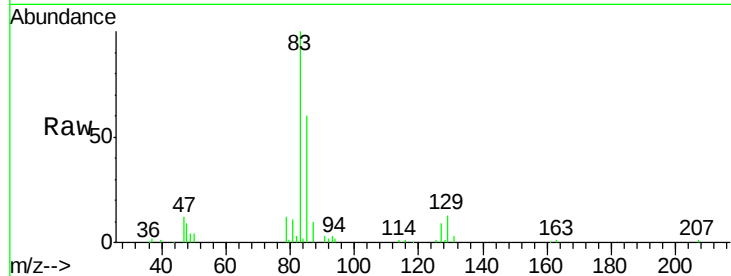
ClientSampleId :

VD1123SBS01

Tot Ion:	83	Resp:	76456
Ion	Ratio	Lower	Upper
83	100		
85	60.4	54.2	81.2
127	8.8	7.6	11.4

Manual Integrations
APPROVED

MMDadoda
11/24/2020 2:56:41 PM



#48

Methyl methacrylate

Concen: 19.719 ug/l

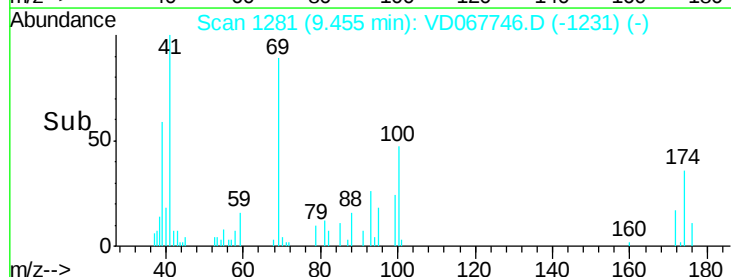
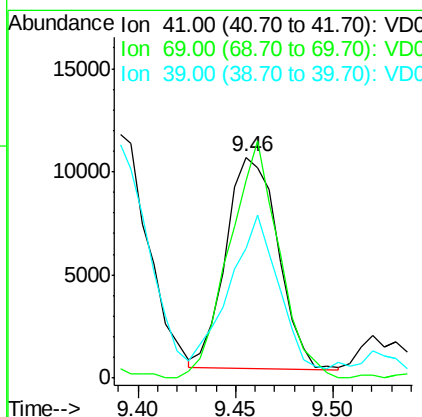
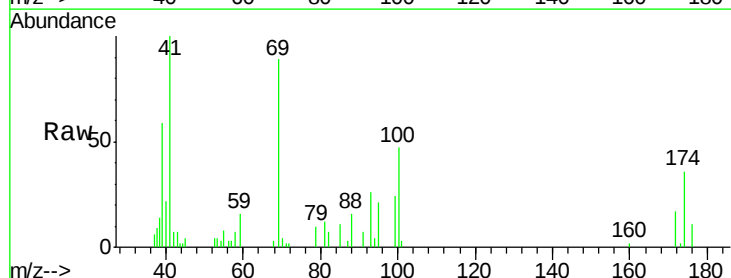
RT: 9.46 min Scan# 1281

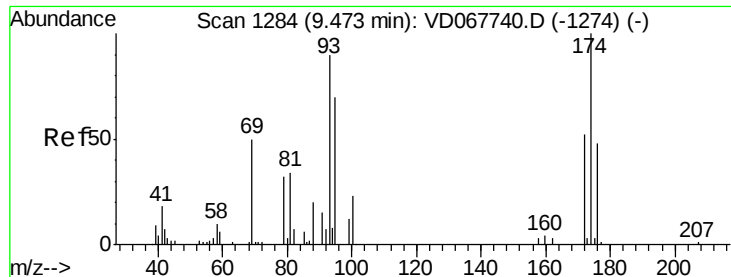
Delta R.T. -0.01 min

Lab File: VD067746.D

Acq: 23 Nov 2020 15:26

Tgt Ion:	41	Resp:	18972
Ion	Ratio	Lower	Upper
41	100		
69	107.1	87.8	131.6
39	68.1	60.5	90.7





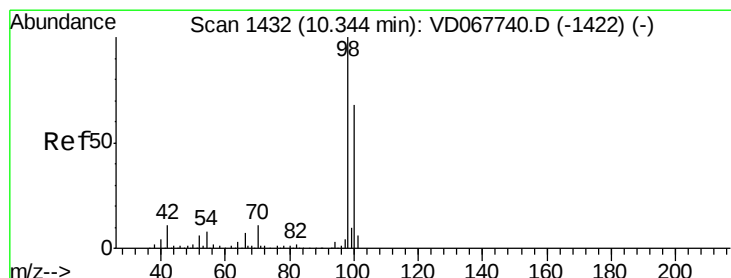
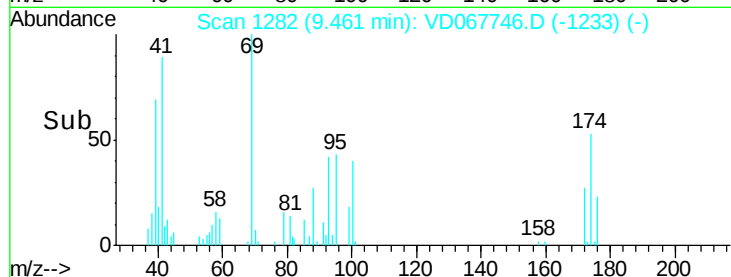
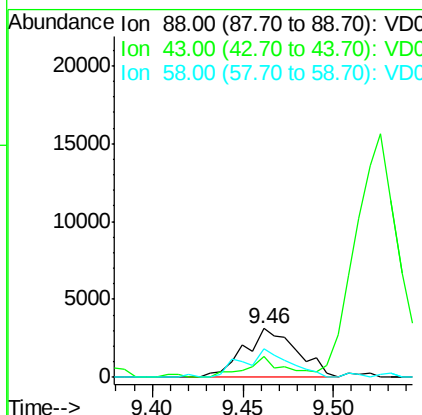
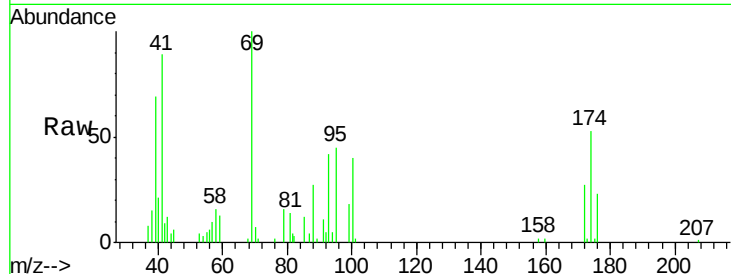
#49
 1,4-Dioxane
 Concen: 426.464 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. -0.01 min
 Lab File: VD067746.D
 Acq: 23 Nov 2020 15:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1123SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.2	25.2	37.8
58	51.5	48.2	72.2

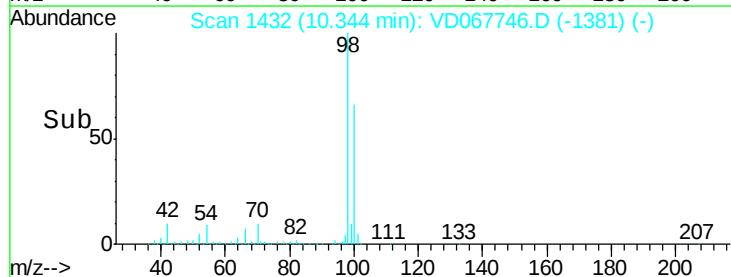
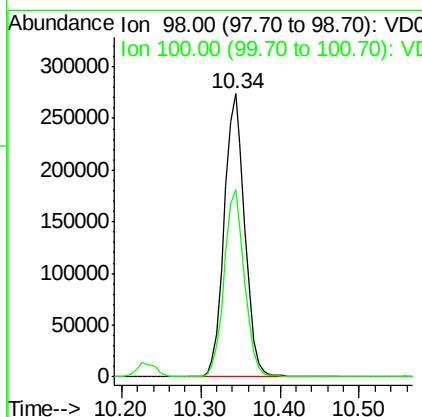
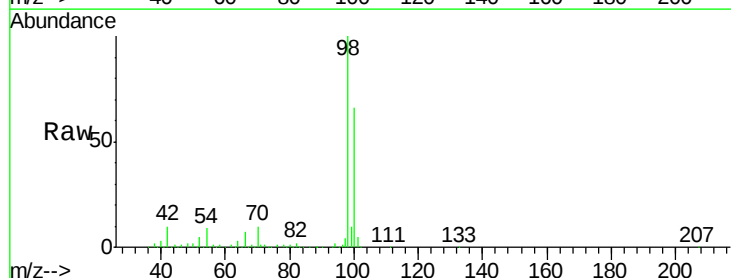
Manual Integrations
 APPROVED

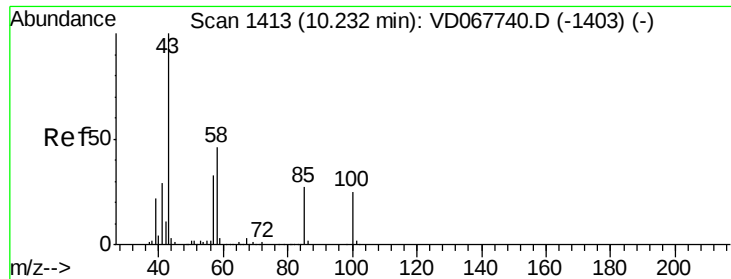
MMDadoda
 11/24/2020 2:56:41 PM



#50
 Toluene-d8
 Concen: 50.364 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD067746.D
 Acq: 23 Nov 2020 15:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	53.1	79.7





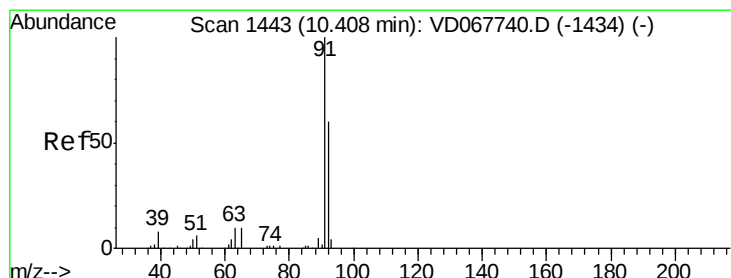
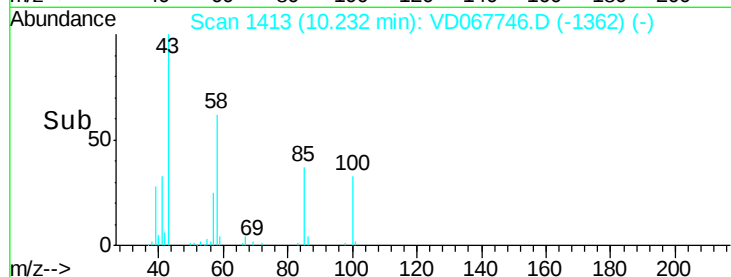
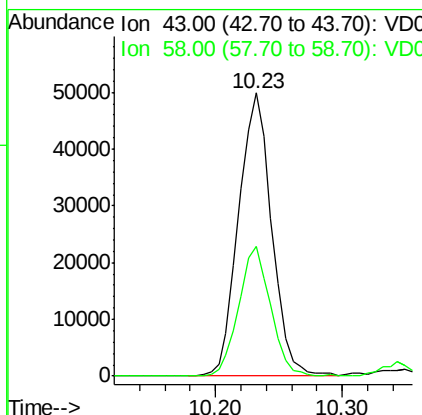
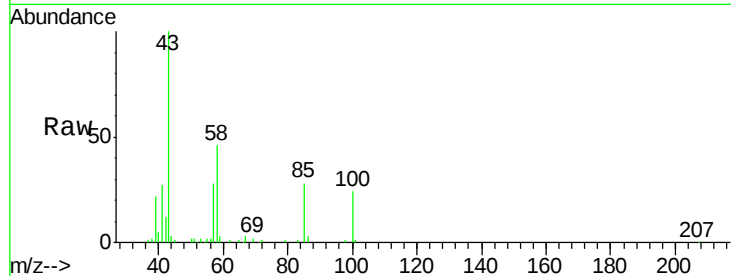
#51
4-Methyl-2-Pentanone
Concen: 99.982 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD067746.D
Acq: 23 Nov 2020 15:26

Instrument :
MSVOA_D
ClientSampleId :
VD1123SBS01

Tot Ion: 43 Resp: 90542
Ion Ratio Lower Upper
43 100
58 44.2 34.7 52.1

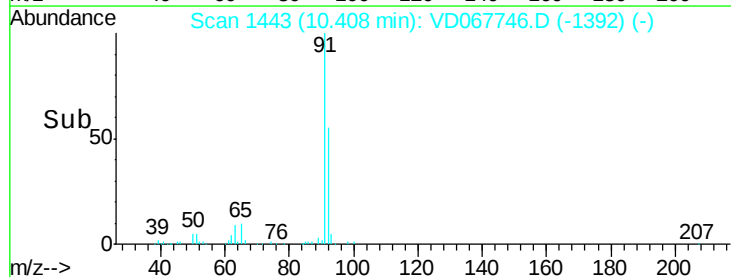
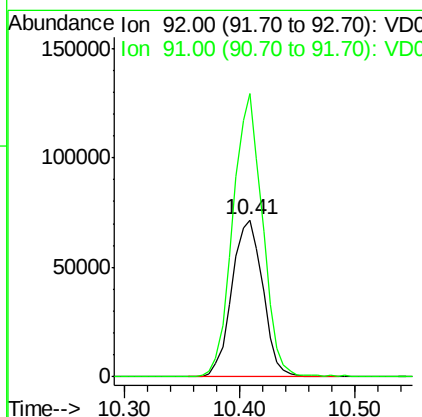
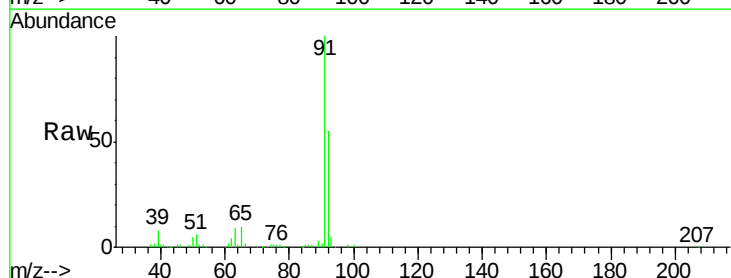
Manual Integrations
APPROVED

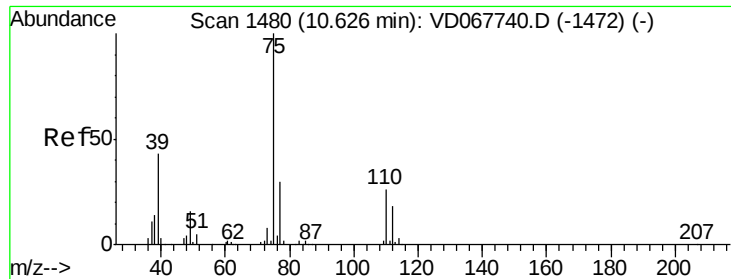
MMDadoda
11/24/2020 2:56:41 PM



#52
Toluene
Concen: 19.946 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD067746.D
Acq: 23 Nov 2020 15:26

Tgt Ion: 92 Resp: 133185
Ion Ratio Lower Upper
92 100
91 173.0 135.4 203.0





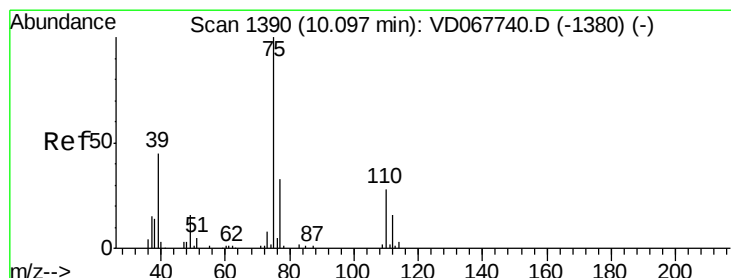
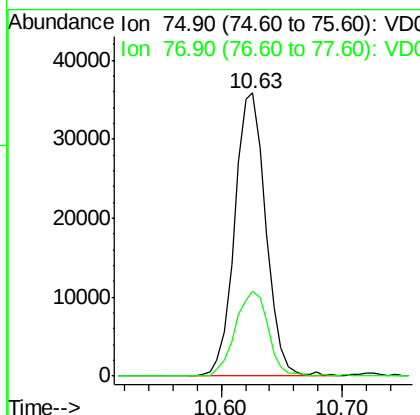
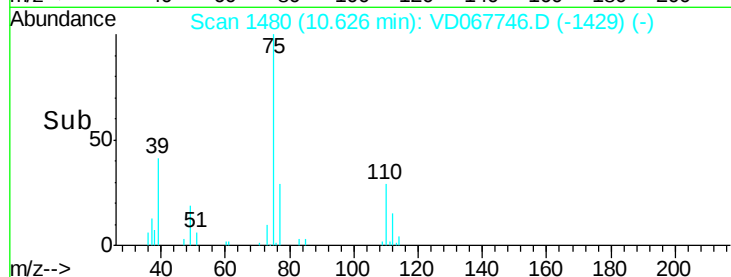
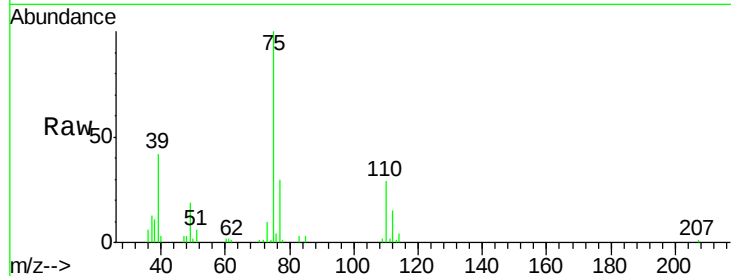
#53
t-1,3-Dichloropropene
Concen: 19.250 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067746.D
Acq: 23 Nov 2020 15:26

Instrument :
MSVOA_D
ClientSampleId :
VD1123SBS01

Tot Ion: 75 Resp: 64396
Ion Ratio Lower Upper
75 100
77 29.8 24.2 36.4

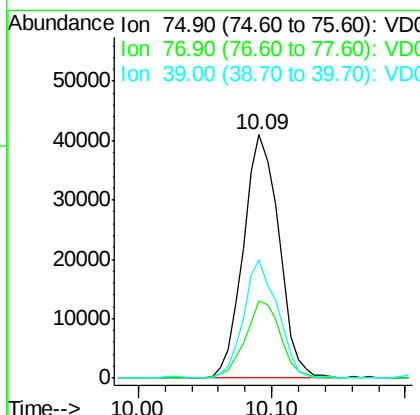
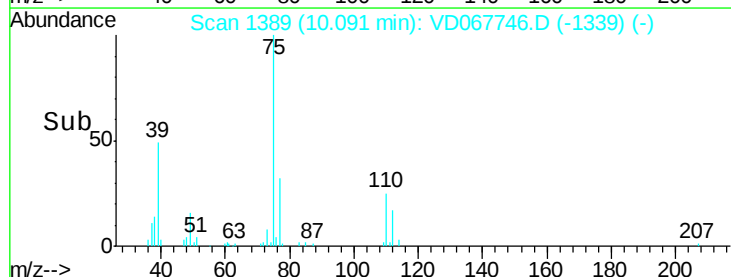
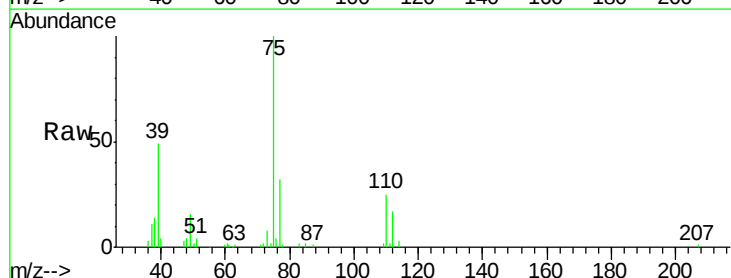
Manual Integrations
APPROVED

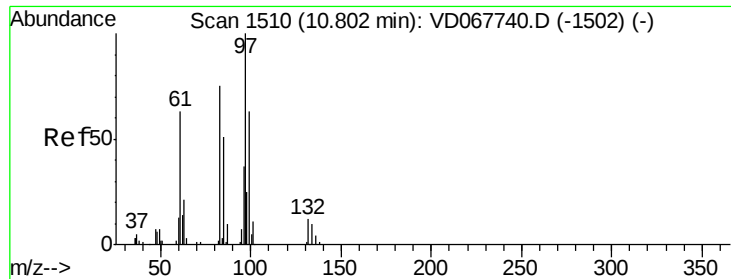
MMDadoda
11/24/2020 2:56:41 PM



#54
cis-1,3-Dichloropropene
Concen: 19.991 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD067746.D
Acq: 23 Nov 2020 15:26

Tgt Ion: 75 Resp: 75682
Ion Ratio Lower Upper
75 100
77 31.6 26.1 39.1
39 48.8 35.8 53.6





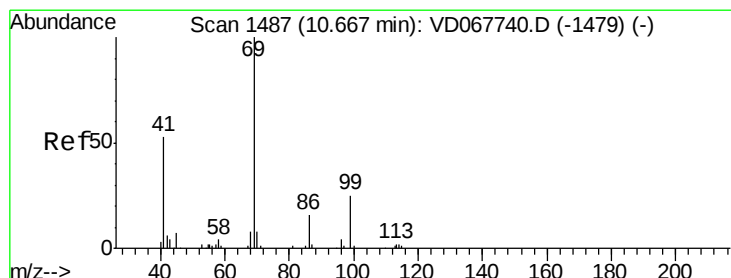
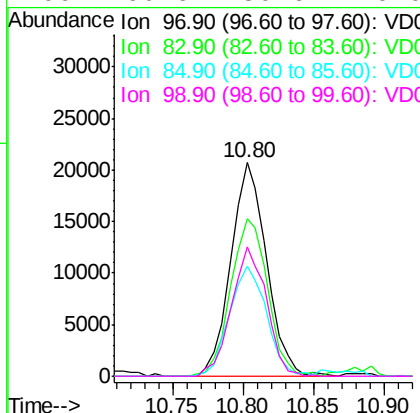
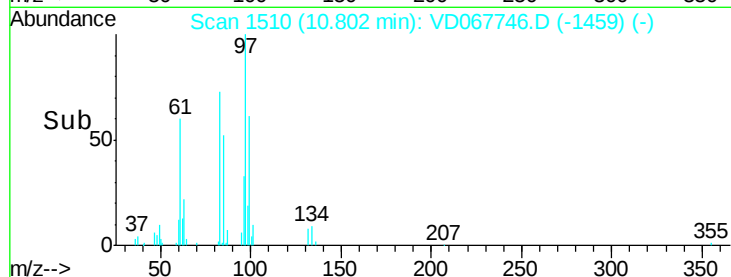
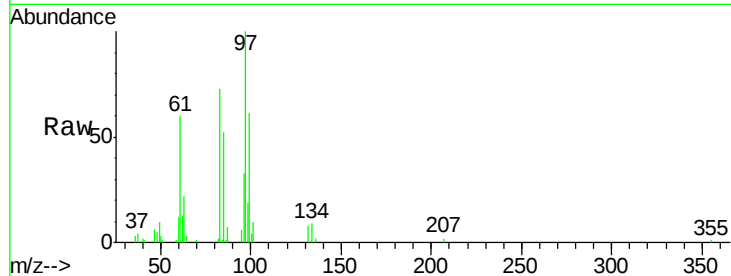
#55
 1,1,2-Trichloroethane
 Concen: 19.866 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067746.D
 Acq: 23 Nov 2020 15:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1123SBS01

Tot Ion	97	Resp	36652
Ion	Ratio	Lower	Upper
97	100		
83	73.5	60.2	90.4
85	51.8	40.5	60.7
99	60.6	50.6	76.0

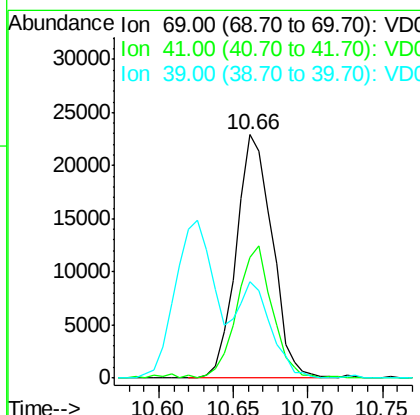
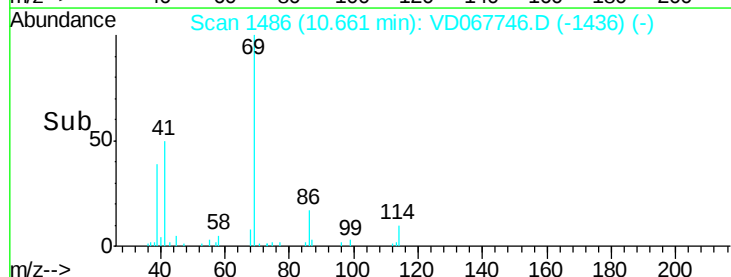
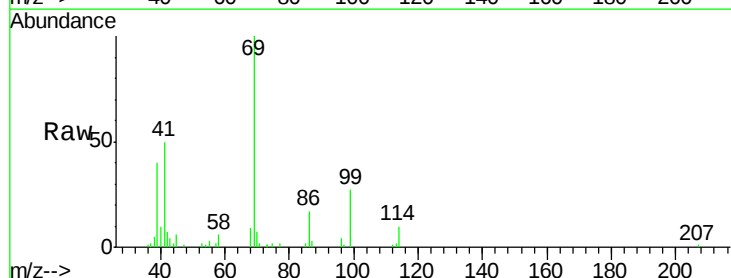
Manual Integrations
 APPROVED

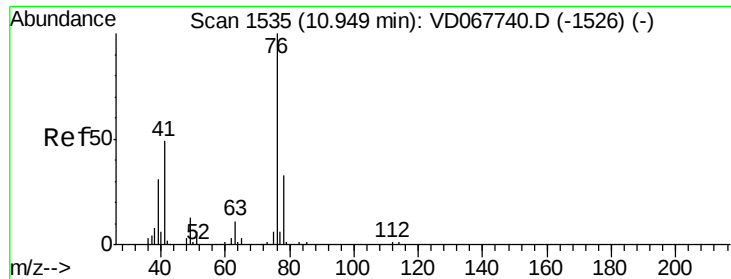
MMDadoda
 11/24/2020 2:56:41 PM



#56
 Ethyl methacrylate
 Concen: 20.145 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD067746.D
 Acq: 23 Nov 2020 15:26

Tgt Ion	69	Resp	38480
Ion	Ratio	Lower	Upper
69	100		
41	53.0	43.4	65.0
39	33.4	29.6	44.4





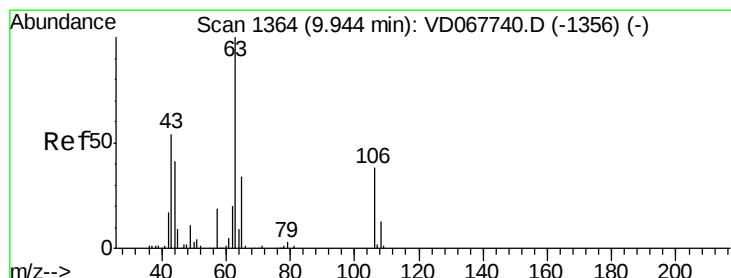
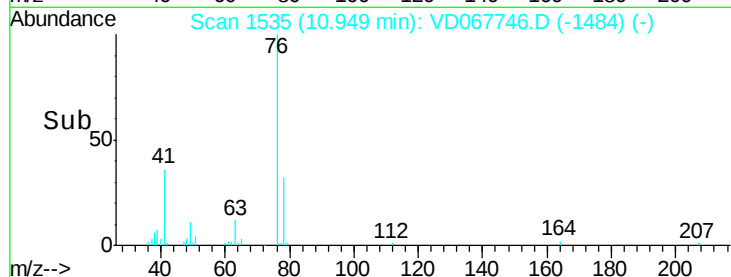
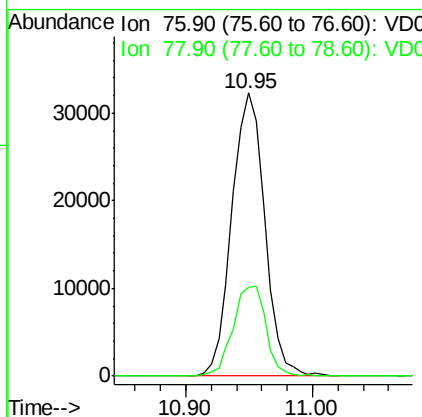
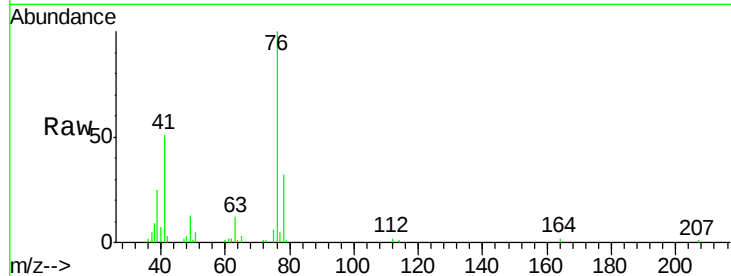
#57
 1,3-Dichloropropane
 Concen: 19.976 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067746.D
 Acq: 23 Nov 2020 15:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1123SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.7	38.5

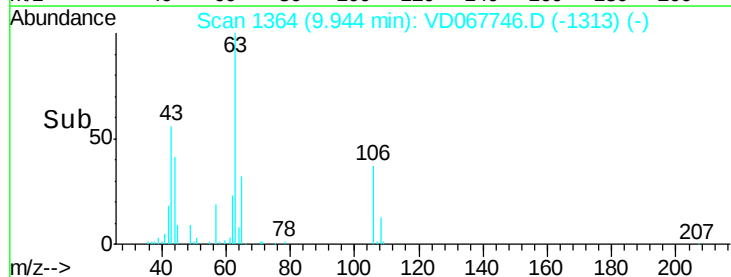
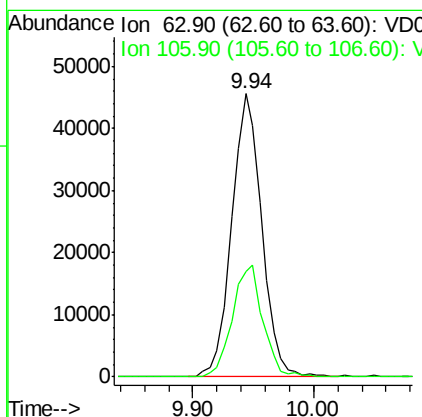
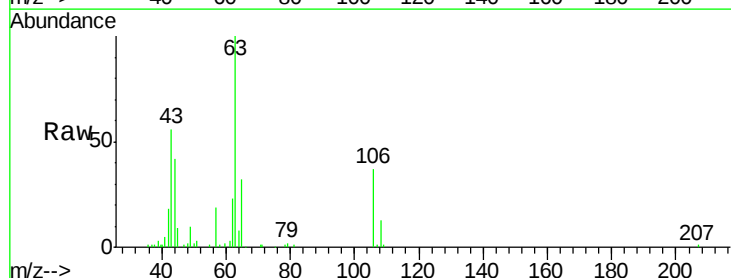
Manual Integrations
 APPROVED

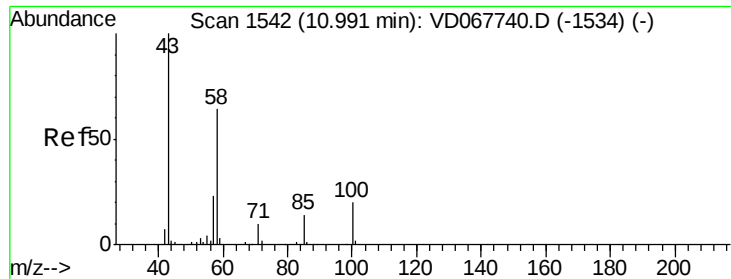
MMDadoda
 11/24/2020 2:56:41 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 88.544 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD067746.D
 Acq: 23 Nov 2020 15:26

Tgt Ion	Ratio	Lower	Upper
63	100		
106	40.1	31.0	46.6





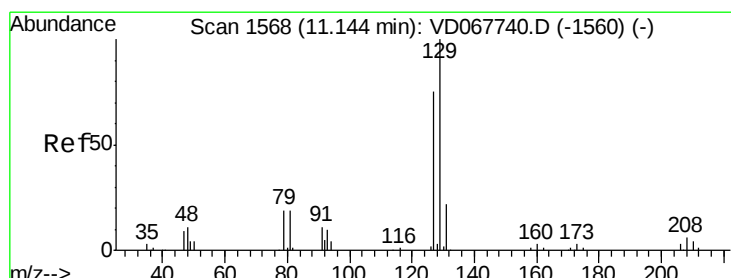
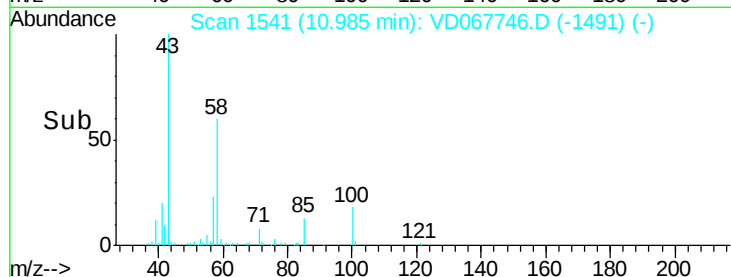
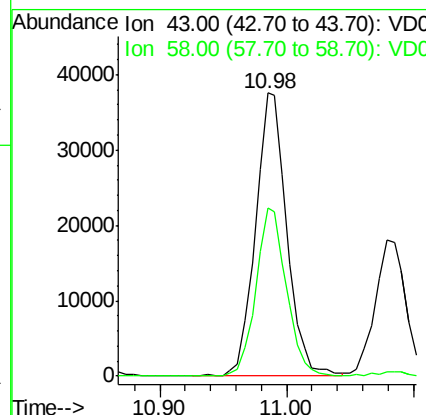
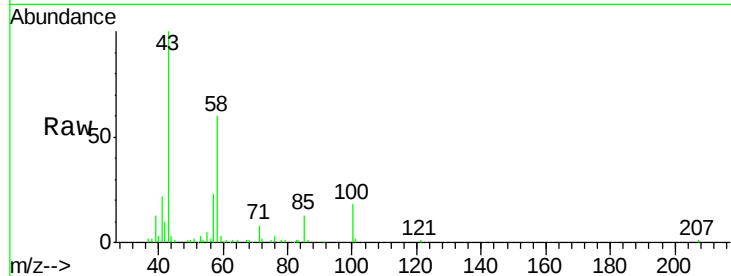
#59
2-Hexanone
Concen: 101.104 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD067746.D
Acq: 23 Nov 2020 15:26

Instrument :
MSVOA_D
ClientSampleId :
VD1123SBSD01

Tot Ion: 43 Resp: 64643
Ion Ratio Lower Upper
43 100
58 57.8 30.5 91.5

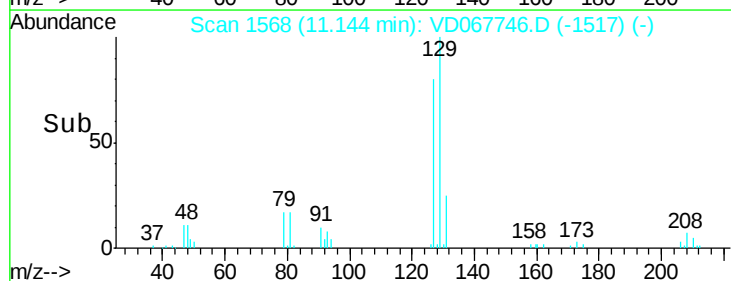
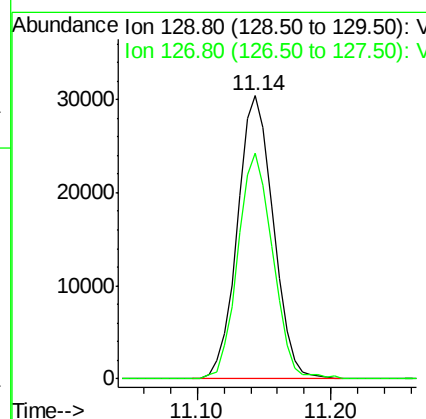
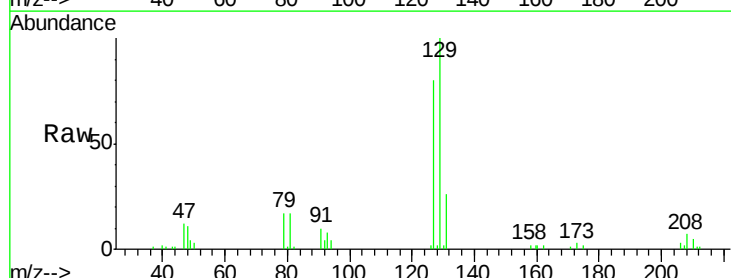
Manual Integrations
APPROVED

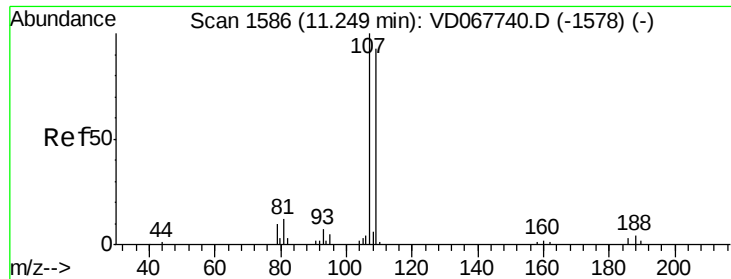
MMDadoda
11/24/2020 2:56:41 PM



#60
Dibromochloromethane
Concen: 20.131 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067746.D
Acq: 23 Nov 2020 15:26

Tgt Ion: 129 Resp: 56597
Ion Ratio Lower Upper
129 100
127 77.7 38.6 115.7





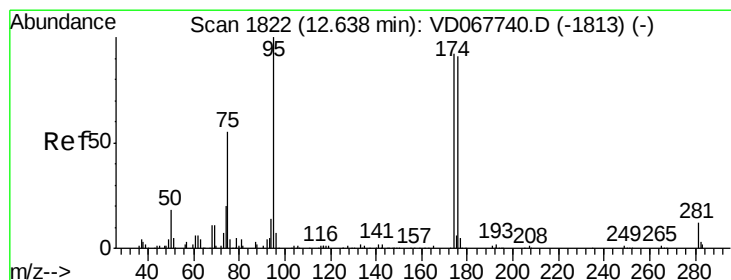
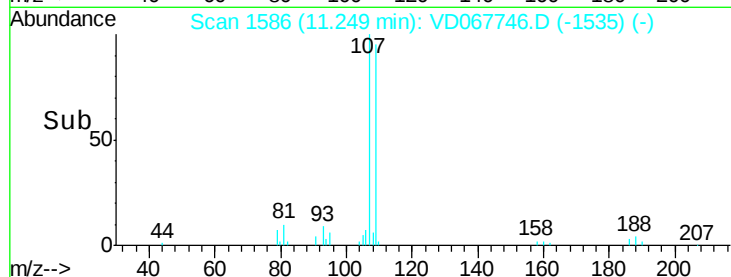
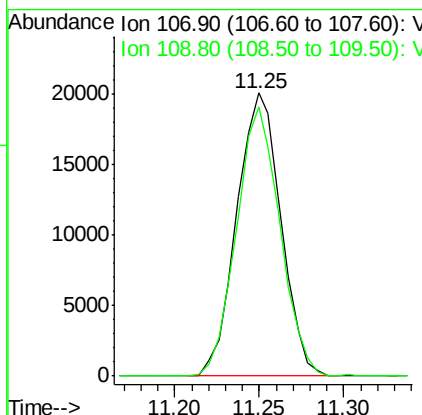
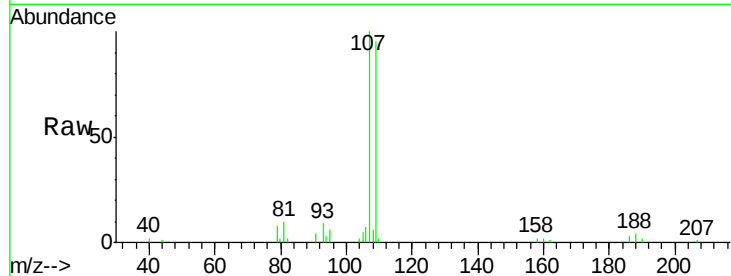
#61
 1,2-Dibromoethane
 Concen: 20.085 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067746.D
 Acq: 23 Nov 2020 15:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1123SBSD01

Tot Ion: 107 Resp: 36513
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.1 112.7

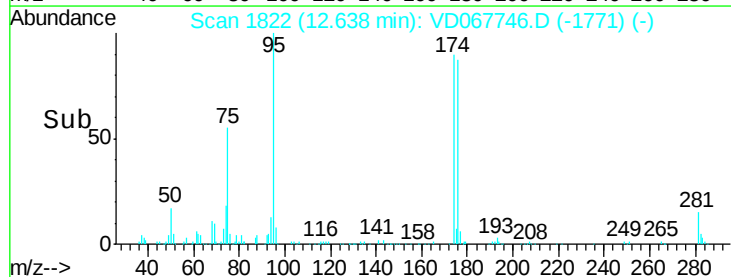
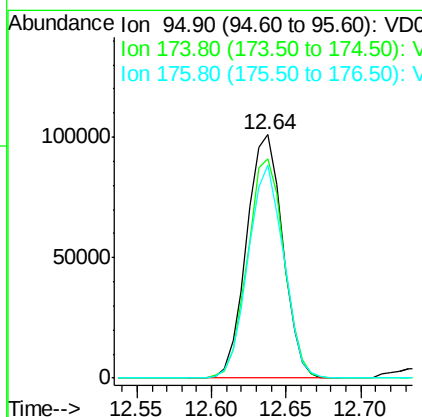
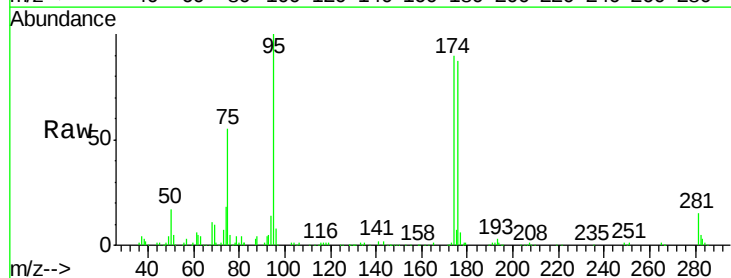
Manual Integrations
 APPROVED

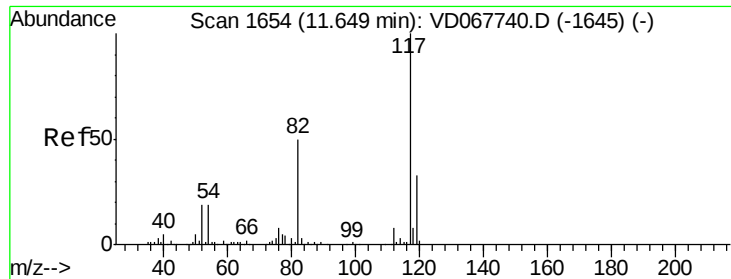
MMDadoda
 11/24/2020 2:56:41 PM



#62
 4-Bromofluorobenzene
 Concen: 50.731 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067746.D
 Acq: 23 Nov 2020 15:26

Tgt Ion: 95 Resp: 168504
 Ion Ratio Lower Upper
 95 100
 174 91.1 0.0 182.4
 176 86.2 0.0 178.2





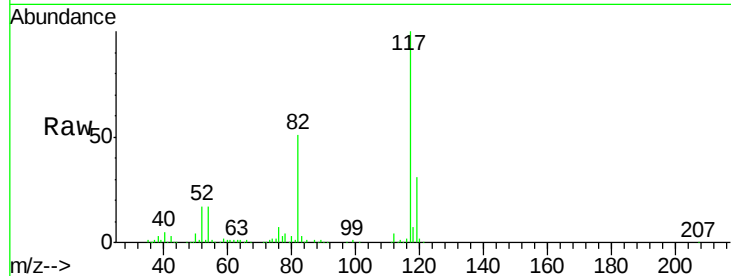
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067746.D
Acq: 23 Nov 2020 15:26

Instrument :
MSVOA_D
ClientSampleId :
VD1123SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.9	40.2	60.4
119	31.4	26.5	39.7

Manual Integrations
APPROVED

MMDadoda
11/24/2020 2:56:41 PM

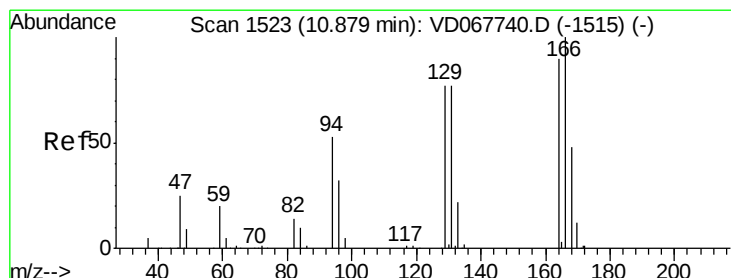
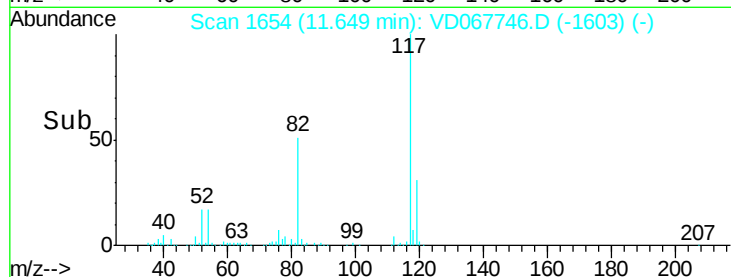
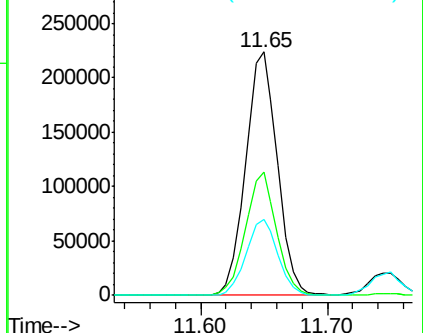


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.511 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067746.D
Acq: 23 Nov 2020 15:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	110.6	89.2	133.8
129	90.3	68.4	102.6
131	79.8	68.7	103.1

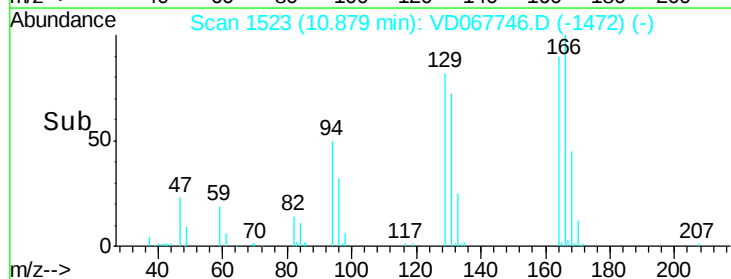
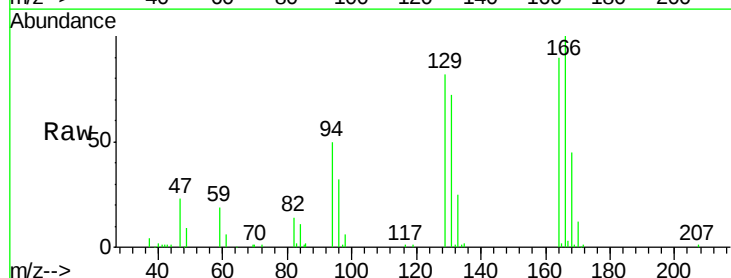
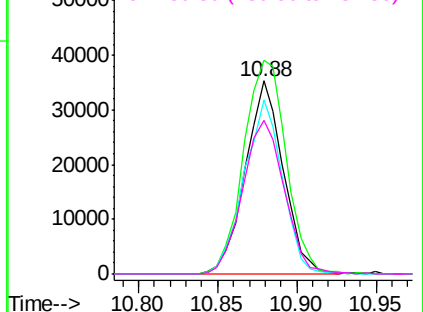
Abundance

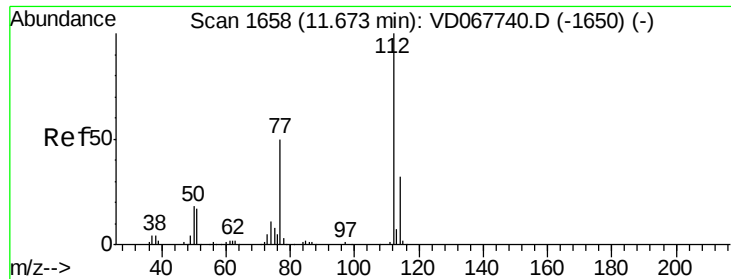
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





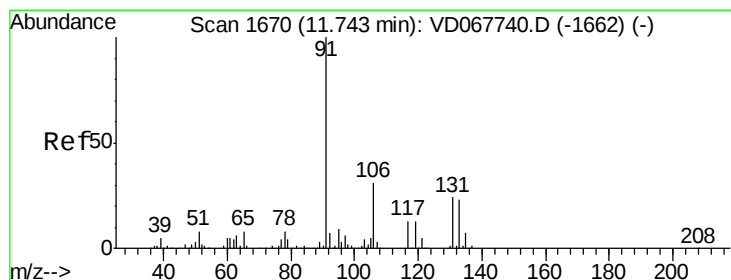
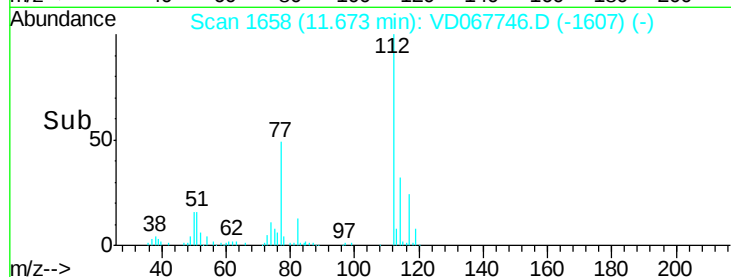
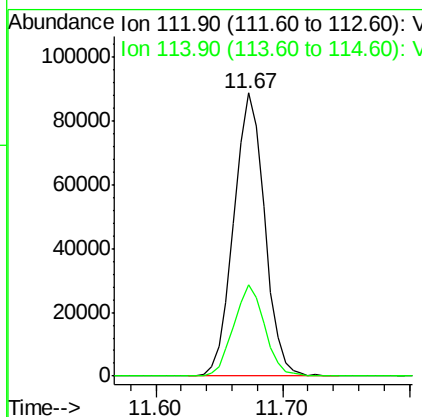
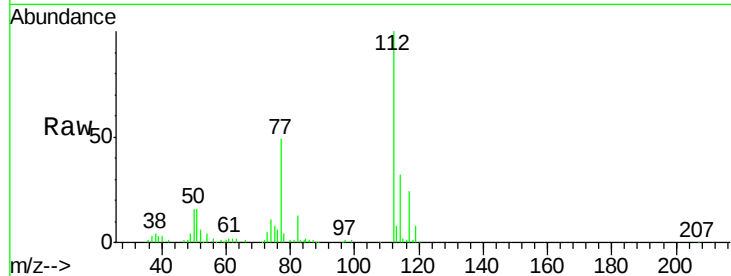
#65
Chlorobenzene
Concen: 19.538 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067746.D
Acq: 23 Nov 2020 15:26

Instrument :
MSVOA_D
ClientSampleId :
VD1123SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.8	38.8

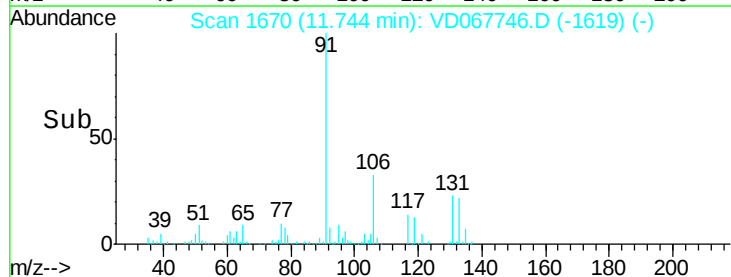
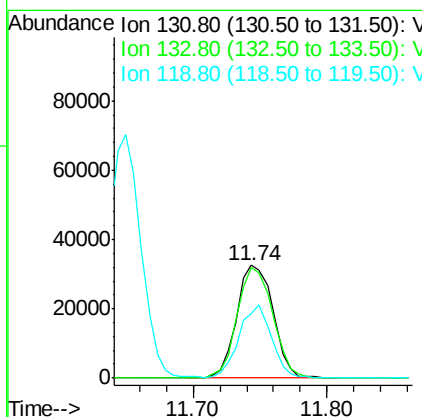
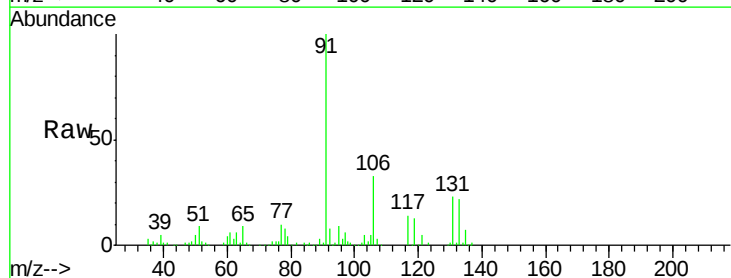
Manual Integrations
APPROVED

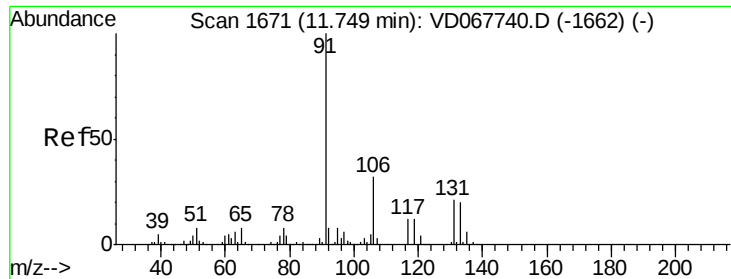
MMDadoda
11/24/2020 2:56:41 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.744 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067746.D
Acq: 23 Nov 2020 15:26

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.7	49.0	147.0
119	58.6	28.8	86.5





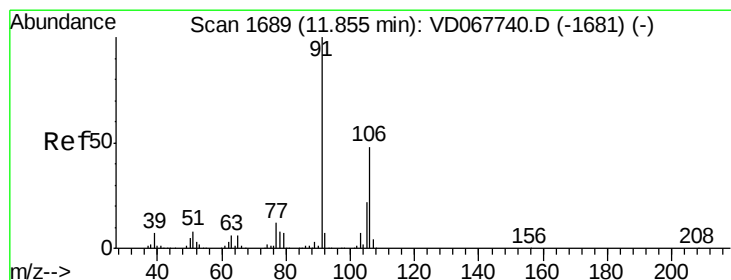
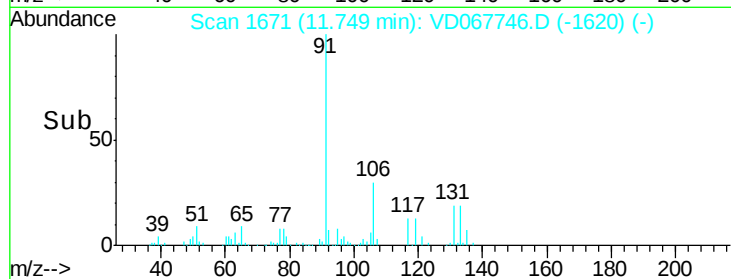
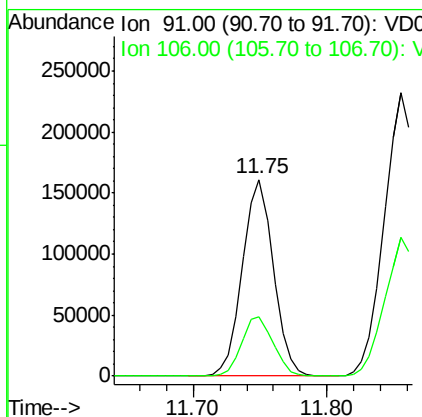
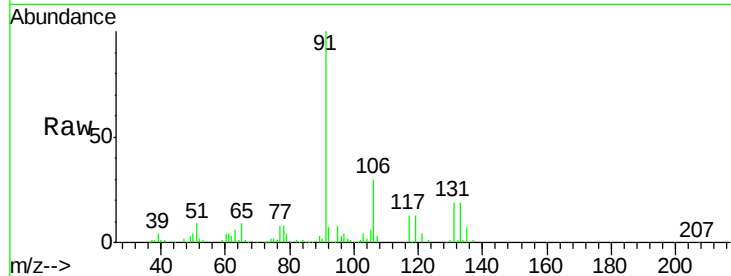
#67
Ethyl Benzene
Concen: 19.611 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067746.D
Acq: 23 Nov 2020 15:26

Instrument :
MSVOA_D
ClientSampleID :
VD1123SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.3	25.7	38.5

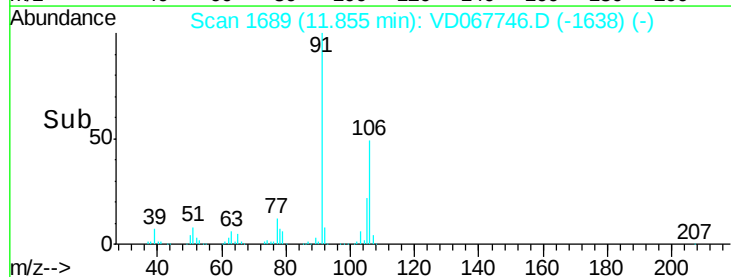
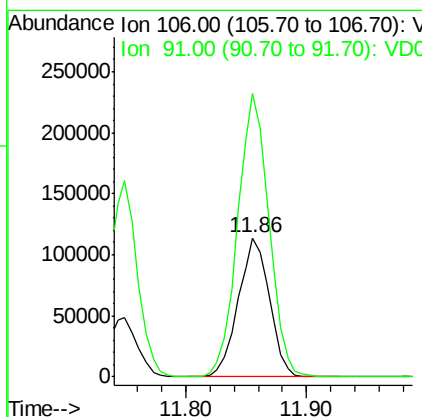
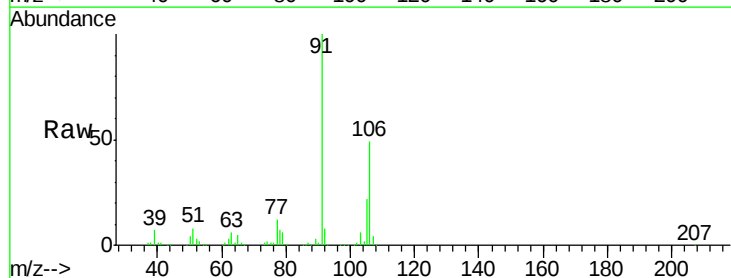
Manual Integrations
APPROVED

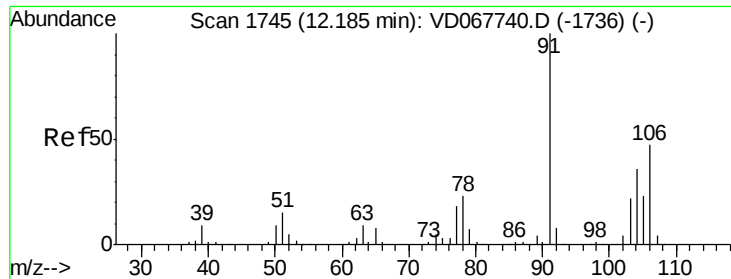
MMDadoda
11/24/2020 2:56:41 PM



#68
m/p-Xylenes
Concen: 40.034 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067746.D
Acq: 23 Nov 2020 15:26

Tgt Ion	Ratio	Lower	Upper
106	100		
91	203.6	163.0	244.6





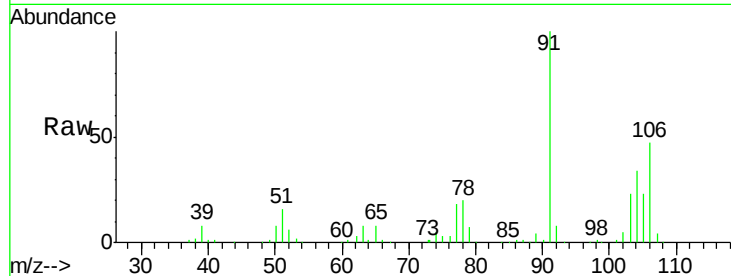
#69
o-Xylene
Concen: 19.828 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067746.D
Acq: 23 Nov 2020 15:26

Instrument :
MSVOA_D
ClientSampleId :
VD1123SBSD01

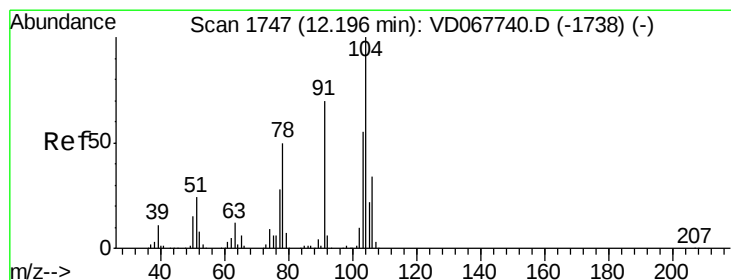
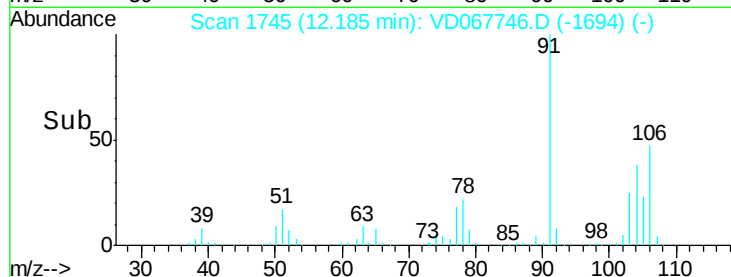
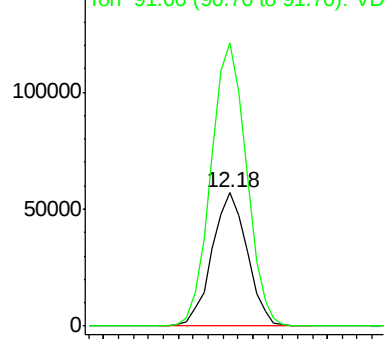
Tot Ion:106 Resp: 92775
Ion Ratio Lower Upper
106 100
91 215.0 106.2 318.6

Manual Integrations
APPROVED

MMDadoda
11/24/2020 2:56:41 PM

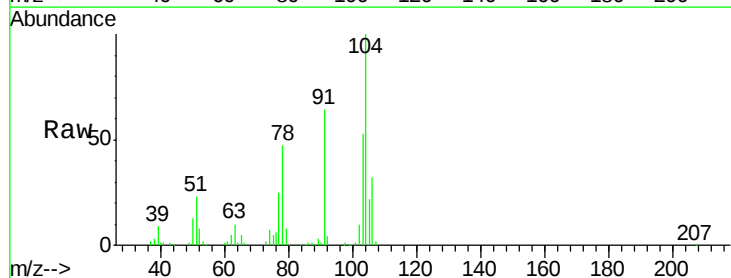


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

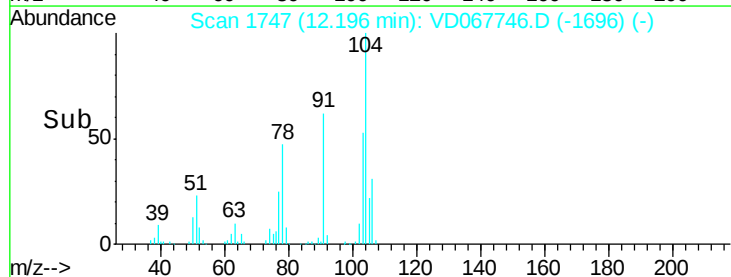
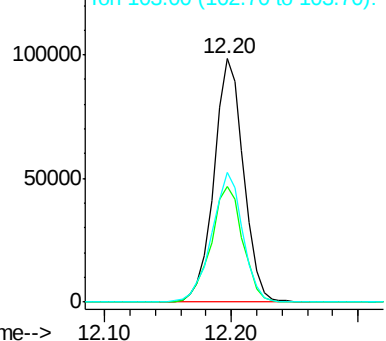


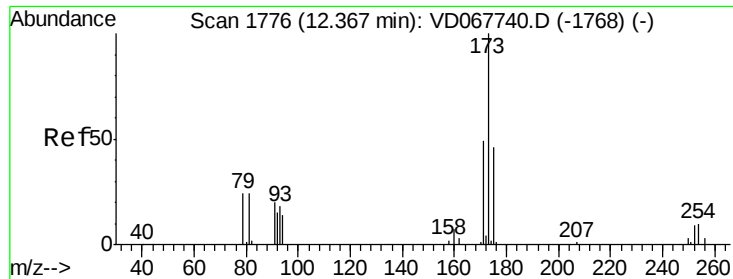
#70
Styrene
Concen: 19.970 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067746.D
Acq: 23 Nov 2020 15:26

Tgt Ion:104 Resp: 159162
Ion Ratio Lower Upper
104 100
78 51.2 41.9 62.9
103 55.5 44.1 66.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





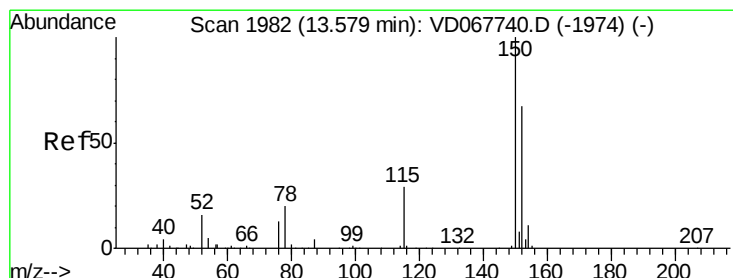
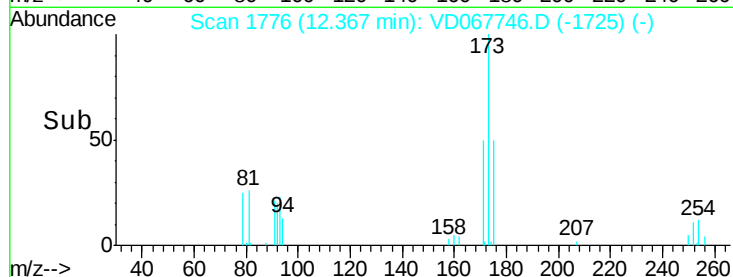
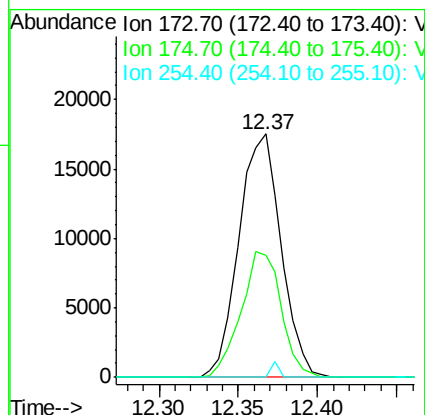
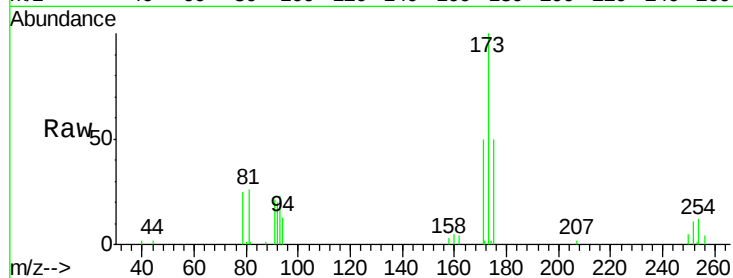
#71
Bromoform
Concen: 19.264 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD067746.D
Acq: 23 Nov 2020 15:26

Instrument :
MSVOA_D
ClientSampleId :
VD1123SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	23.9	71.7
254	1.2	0.0	0.0

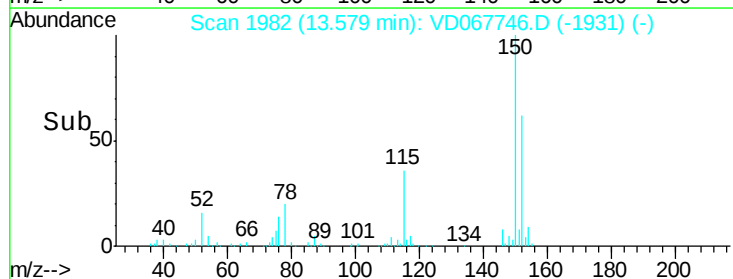
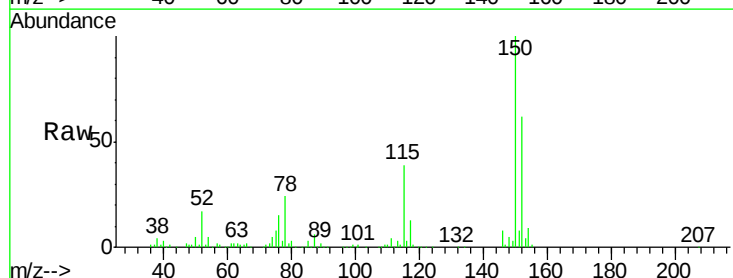
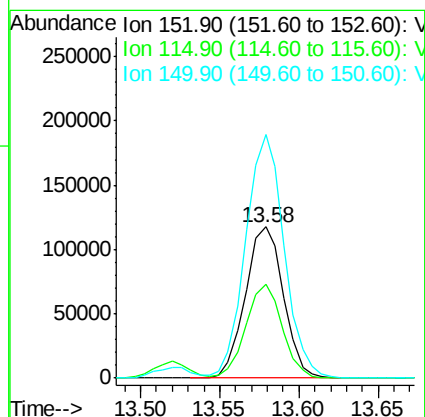
Manual Integrations
APPROVED

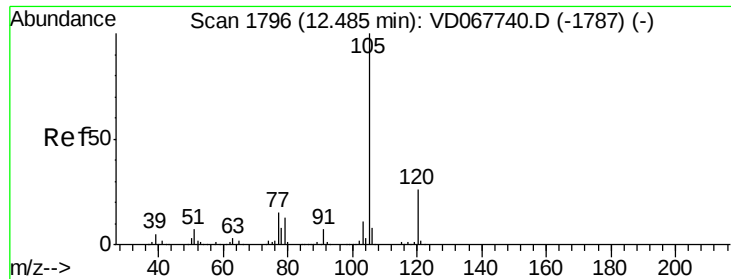
MMDadoda
11/24/2020 2:56:41 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067746.D
Acq: 23 Nov 2020 15:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.5	29.4	88.3
150	163.3	0.0	340.6





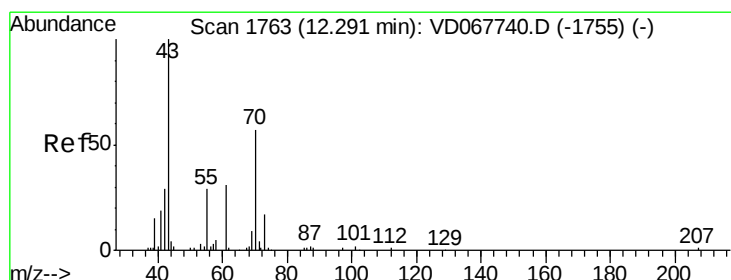
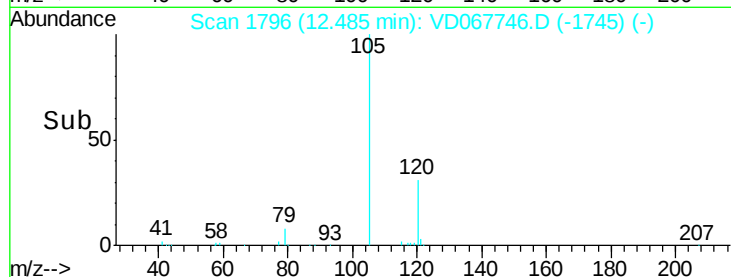
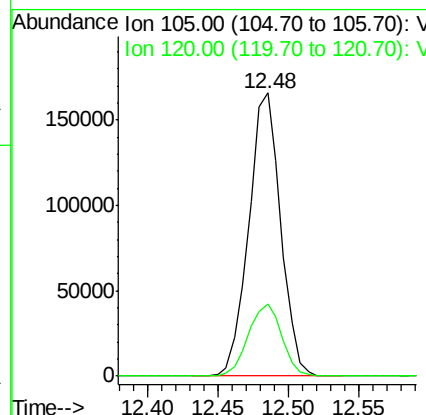
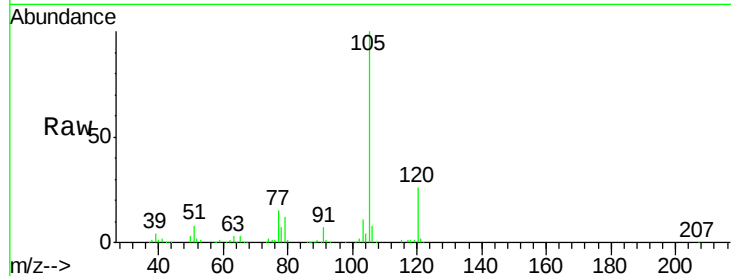
#73
Isopropylbenzene
Concen: 20.422 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD067746.D
Acq: 23 Nov 2020 15:26

Instrument :
MSVOA_D
ClientSampleId :
VD1123SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.2	39.6

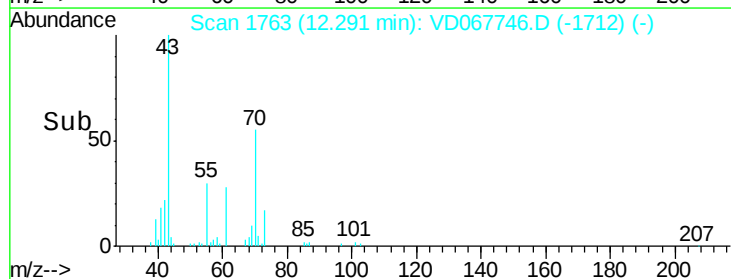
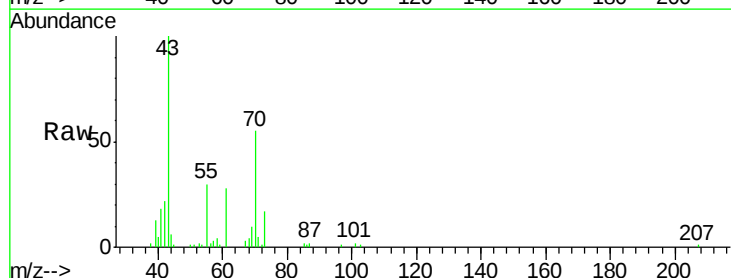
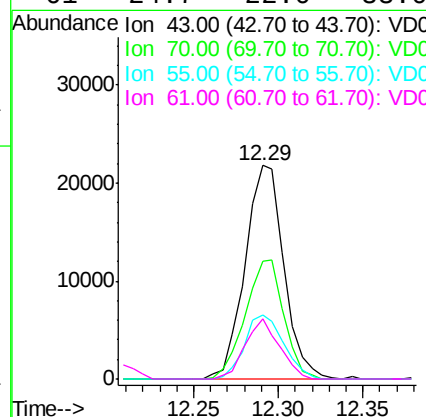
Manual Integrations
APPROVED

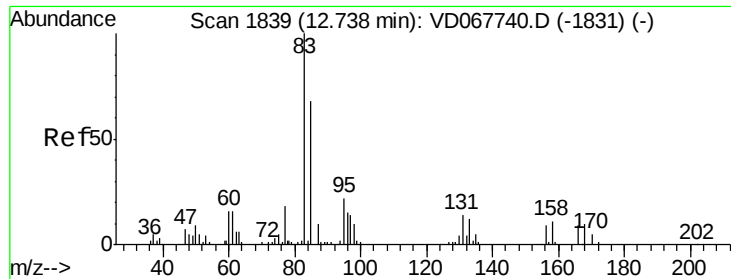
MMDadoda
11/24/2020 2:56:41 PM



#74
N-ethyl acetate
Concen: 20.448 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD067746.D
Acq: 23 Nov 2020 15:26

Tgt Ion	Ratio	Lower	Upper
43	100		
70	55.4	44.6	66.8
55	30.2	24.2	36.2
61	24.7	22.0	33.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.081 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD067746.D

Acq: 23 Nov 2020 15:26

Instrument :

MSVOA_D

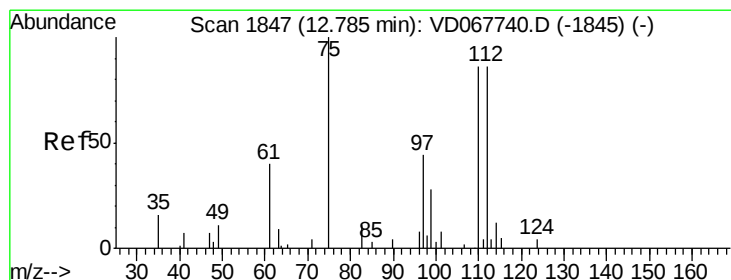
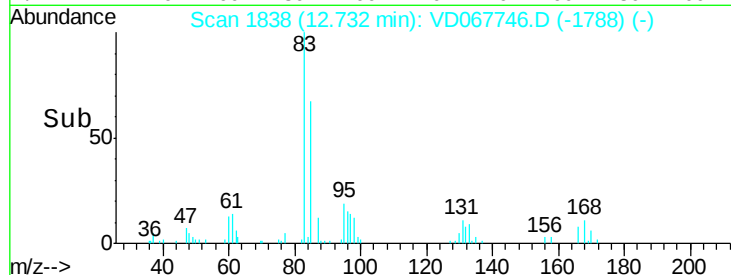
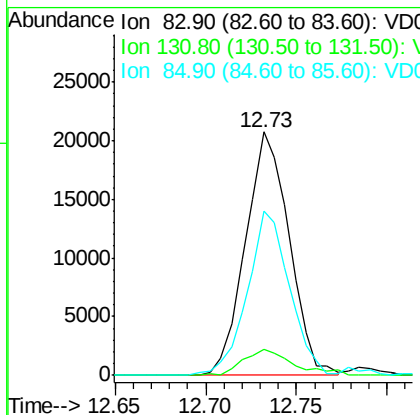
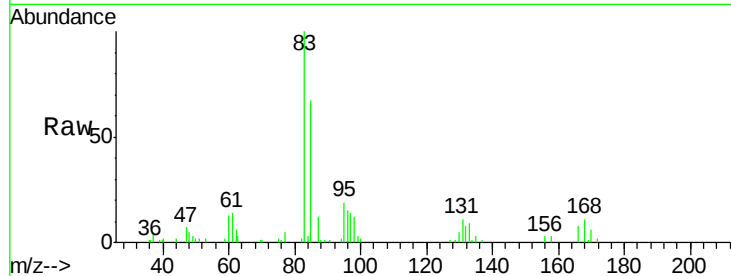
ClientSampleId :

VD1123SBSD01

Tot Ion:	83	Resp:	34769
Ion Ratio	Lower	Upper	
83	100		
131	12.1	8.1	24.1
85	65.2	33.9	101.7

Manual Integrations
APPROVED

MMDadoda
11/24/2020 2:56:41 PM



#76

1,2,3-Trichloropropane

Concen: 24.050 ug/l m

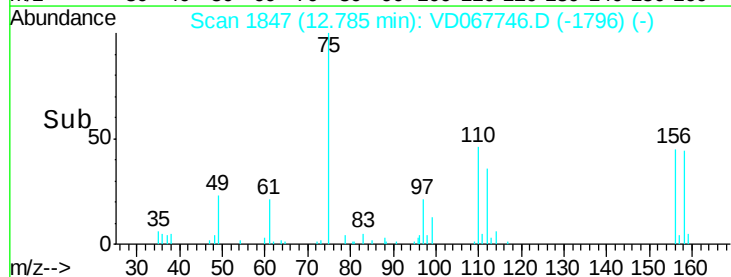
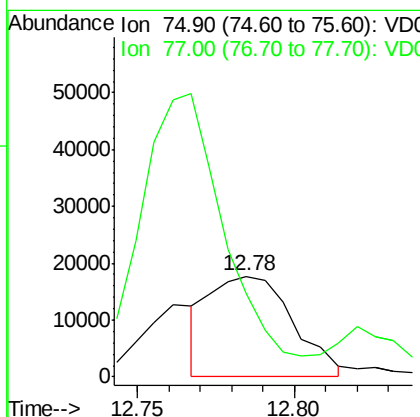
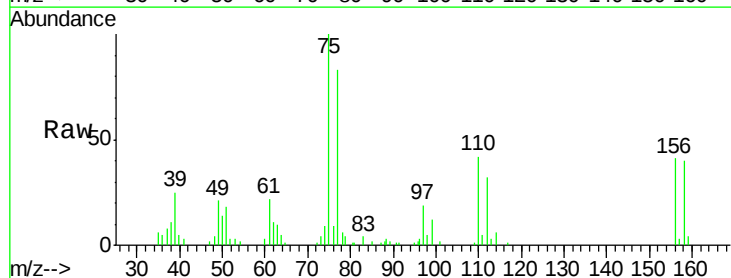
RT: 12.78 min Scan# 1847

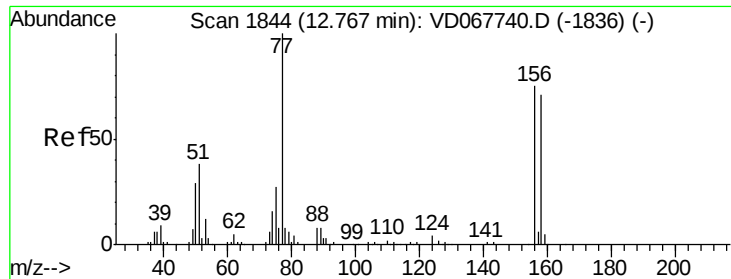
Delta R.T. 0.00 min

Lab File: VD067746.D

Acq: 23 Nov 2020 15:26

Tgt Ion:	75	Resp:	32866
Ion Ratio	Lower	Upper	
75	100		
77	290.2	0.0	0.0#





#77

Bromobenzene

Concen: 19.919 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD067746.D

Acq: 23 Nov 2020 15:26

Instrument :

MSVOA_D

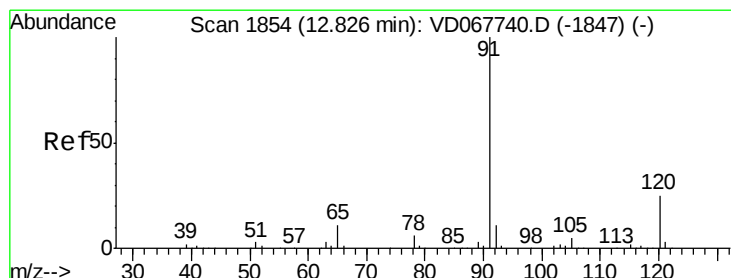
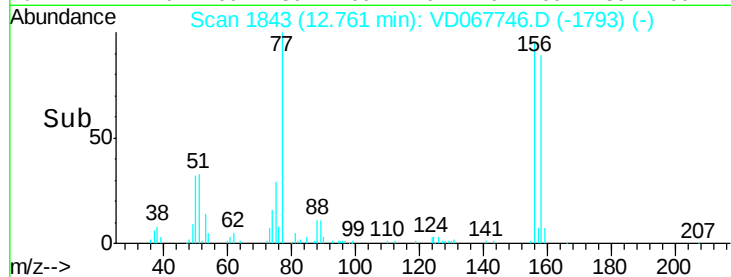
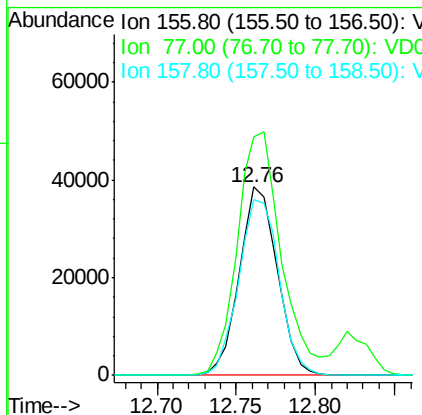
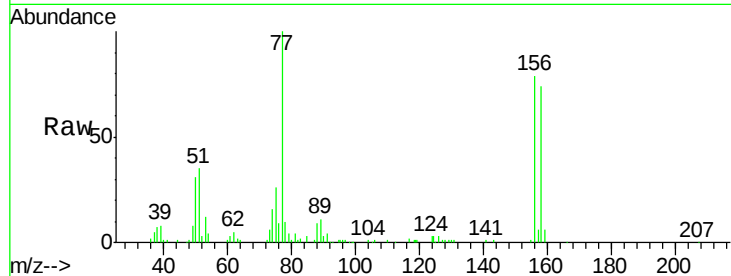
ClientSampleId :

VD1123SBSD01

Tot Ion:156 Resp: 64327
 Ion Ratio Lower Upper
 156 100
 77 148.3 73.5 220.3
 158 99.4 48.1 144.4

Manual Integrations
 APPROVED

MMDadoda
 11/24/2020 2:56:41 PM



#78

n-propylbenzene

Concen: 20.680 ug/l

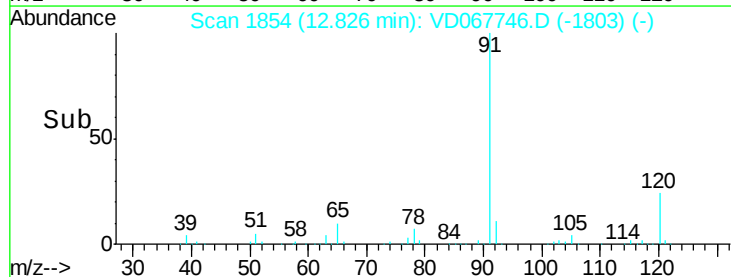
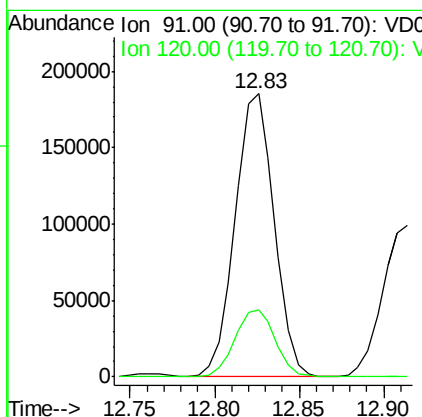
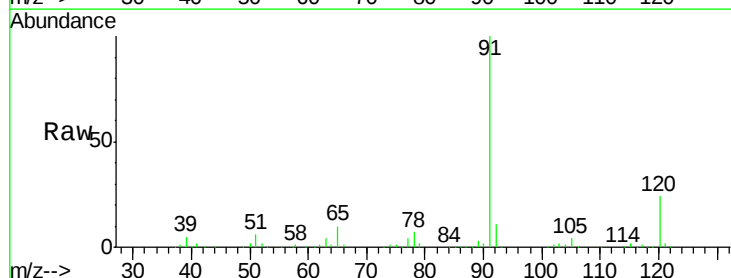
RT: 12.83 min Scan# 1854

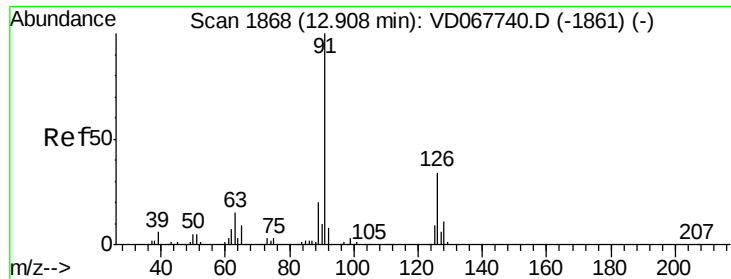
Delta R.T. 0.00 min

Lab File: VD067746.D

Acq: 23 Nov 2020 15:26

Tgt Ion: 91 Resp: 296825
 Ion Ratio Lower Upper
 91 100
 120 24.4 12.4 37.4





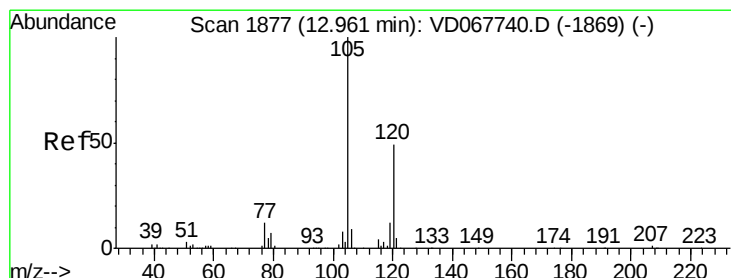
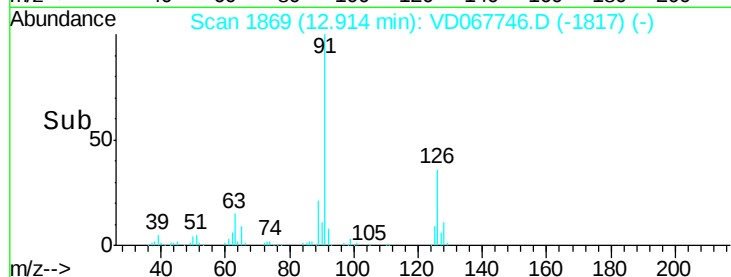
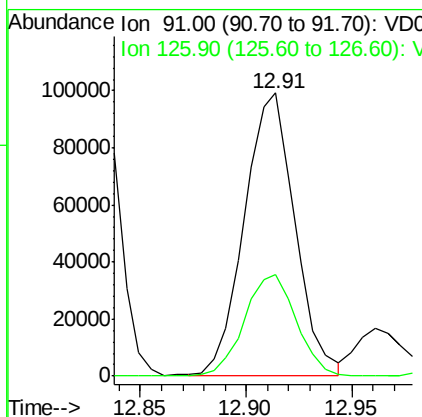
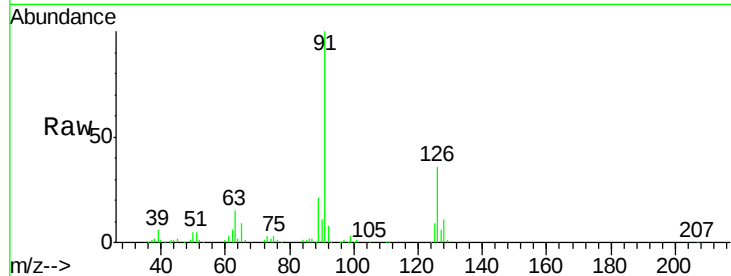
#79
2-Chlorotoluene
Concen: 19.372 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VD067746.D
Acq: 23 Nov 2020 15:26

Instrument :
MSVOA_D
ClientSampleId :
VD1123SBSD01

Tot Ion: 91 Resp: 164622
Ion Ratio Lower Upper
91 100
126 36.8 17.9 53.7

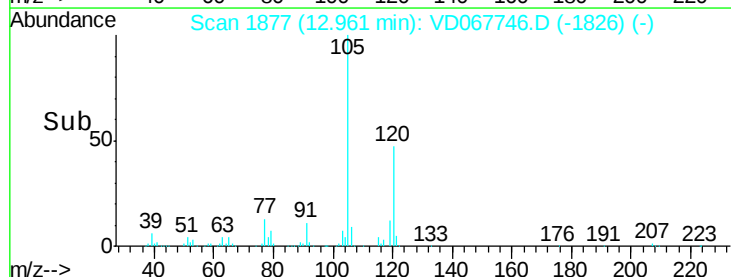
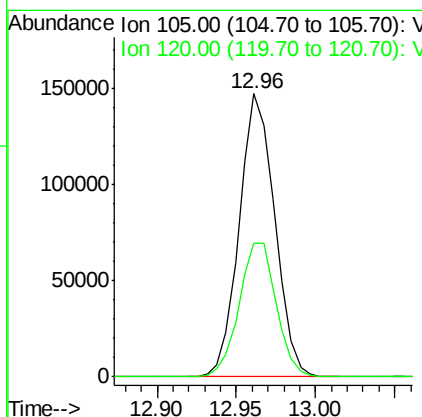
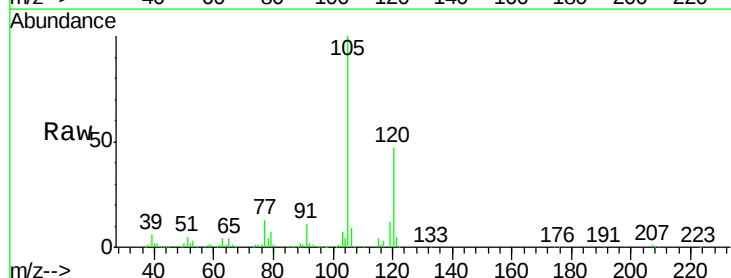
Manual Integrations
APPROVED

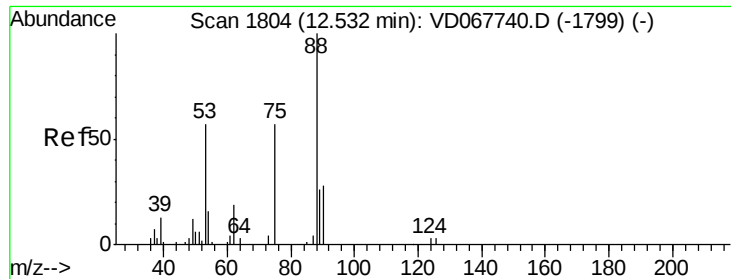
MMDadoda
11/24/2020 2:56:41 PM



#80
1,3,5-Trimethylbenzene
Concen: 20.373 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VD067746.D
Acq: 23 Nov 2020 15:26

Tgt Ion: 105 Resp: 228602
Ion Ratio Lower Upper
105 100
120 49.6 23.9 71.7





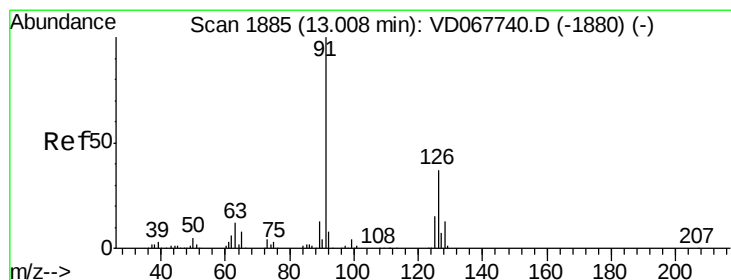
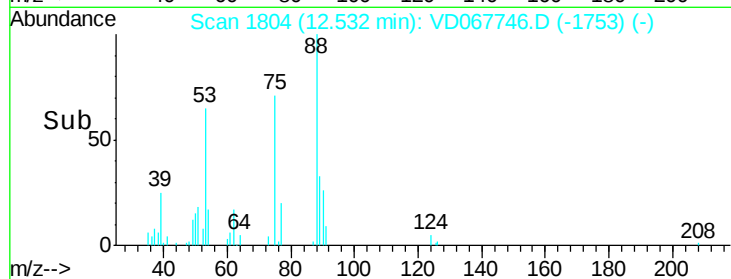
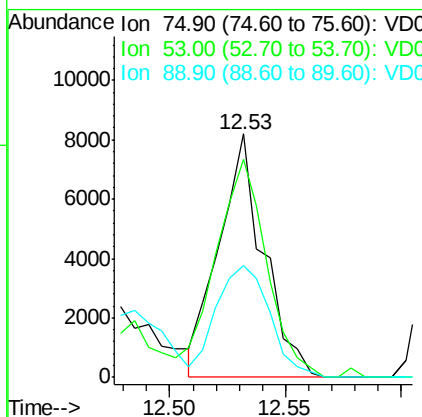
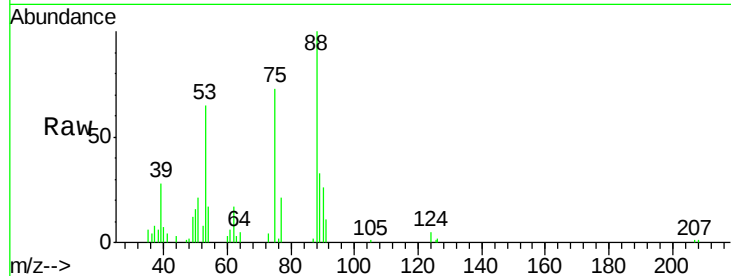
#81
trans-1,4-Dichloro-2-butene
Concen: 18.881 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067746.D
Acq: 23 Nov 2020 15:26

Instrument :
MSVOA_D
ClientSampleId :
VD1123SBSD01

Tot Ion: 75 Resp: 11032
Ion Ratio Lower Upper
75 100
53 102.6 76.0 114.0
89 55.0 40.2 60.4

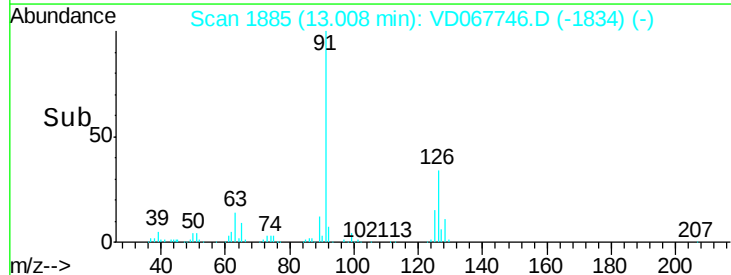
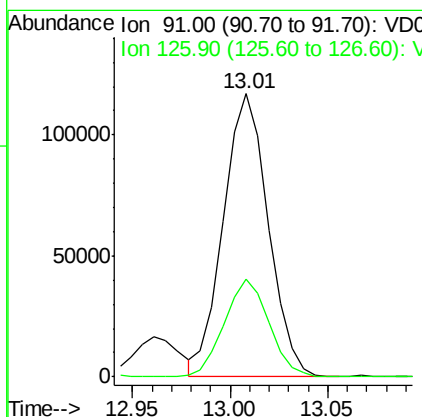
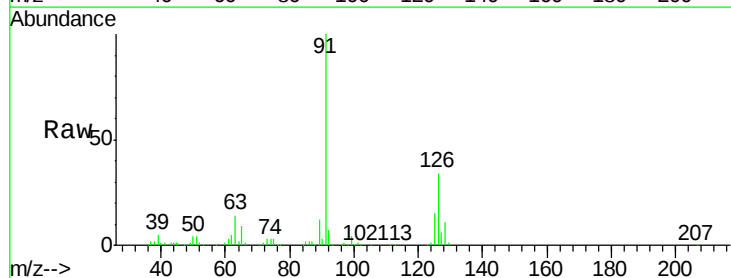
Manual Integrations
APPROVED

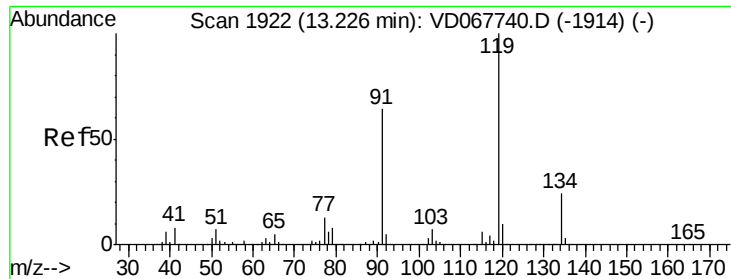
MMDadoda
11/24/2020 2:56:41 PM



#82
4-Chlorotoluene
Concen: 20.609 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD067746.D
Acq: 23 Nov 2020 15:26

Tgt Ion: 91 Resp: 186615
Ion Ratio Lower Upper
91 100
126 34.3 17.7 53.1





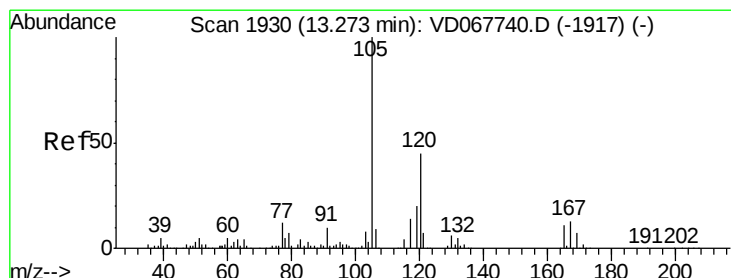
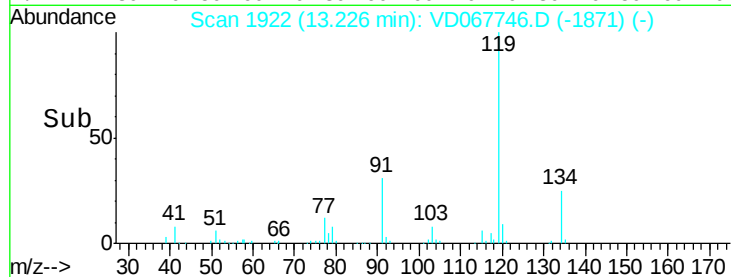
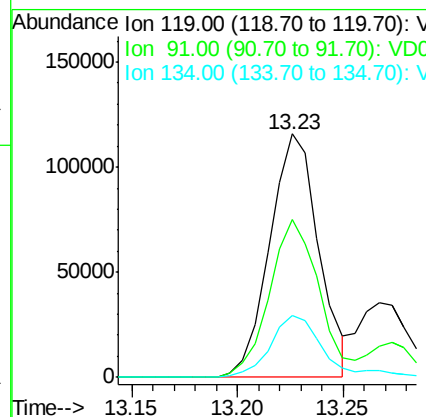
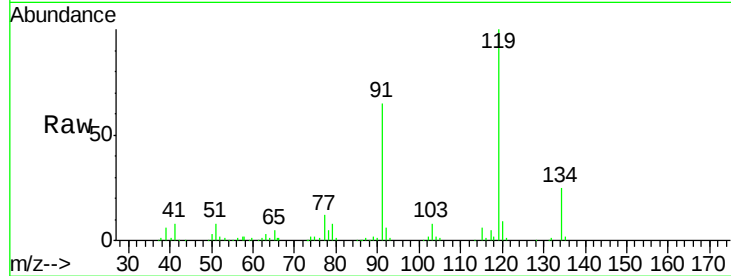
#83
tert-Butylbenzene
Concen: 19.373 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067746.D
Acq: 23 Nov 2020 15:26

Instrument :
MSVOA_D
ClientSampleId :
VD1123SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	186804		
91	65.9	32.9	98.7	
134	27.7	12.9	38.6	

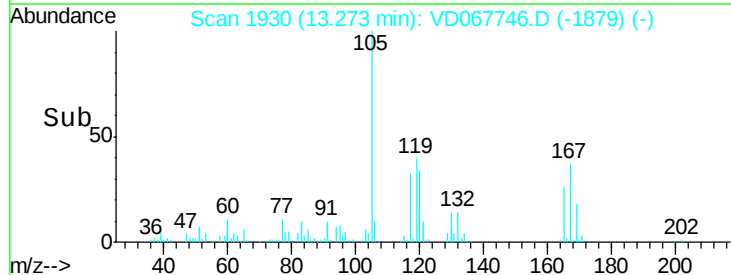
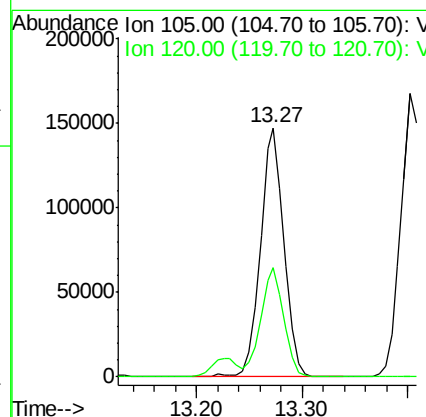
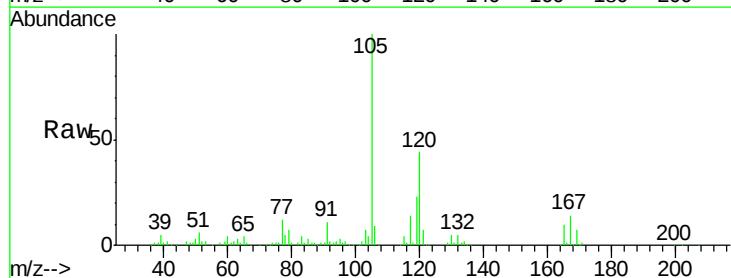
Manual Integrations
APPROVED

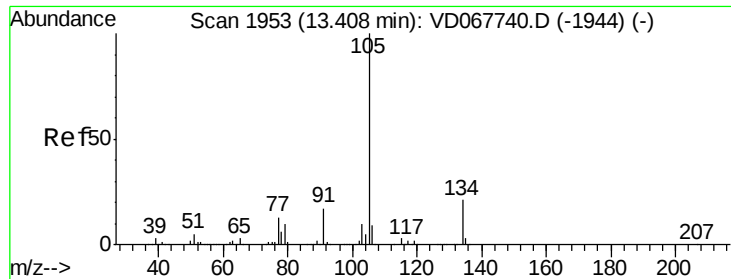
MMDadoda
11/24/2020 2:56:41 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.383 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067746.D
Acq: 23 Nov 2020 15:26

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	228477		
120	42.9	22.6	67.7	





#85

sec-Butylbenzene

Concen: 20.120 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD067746.D

Acq: 23 Nov 2020 15:26

Instrument :

MSVOA_D

ClientSampleId :

VD1123SBS01

Tot Ion:105 Resp: 254866

Ion Ratio Lower Upper

105 100

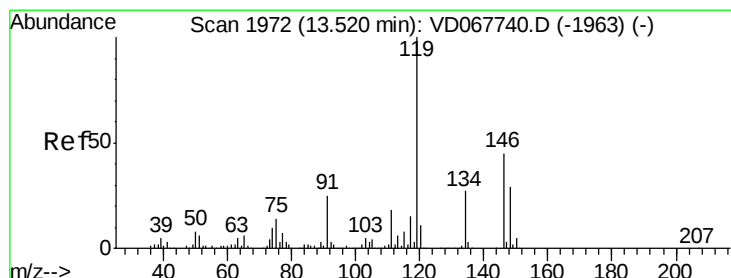
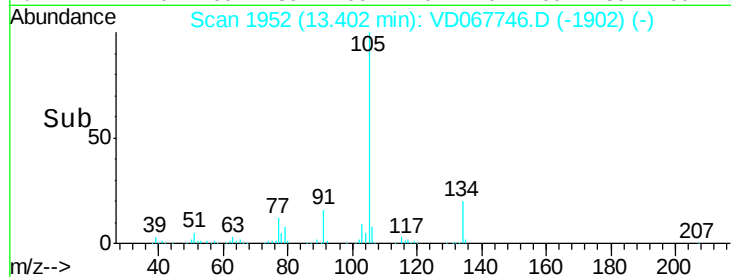
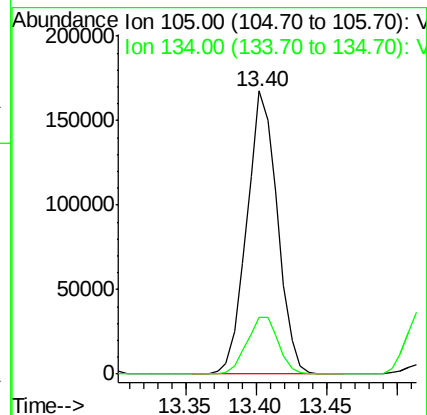
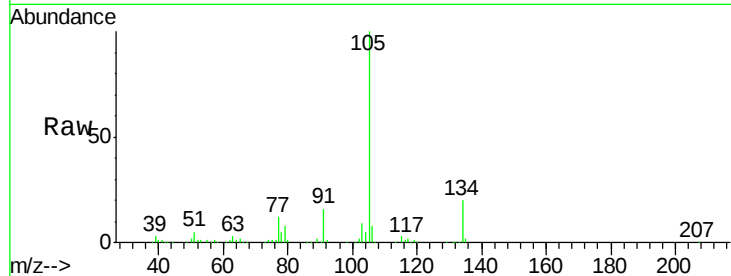
134 20.9 10.7 32.1

Manual Integrations

APPROVED

MMDadoda

11/24/2020 2:56:41 PM



#86

p-Isopropyltoluene

Concen: 19.839 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067746.D

Acq: 23 Nov 2020 15:26

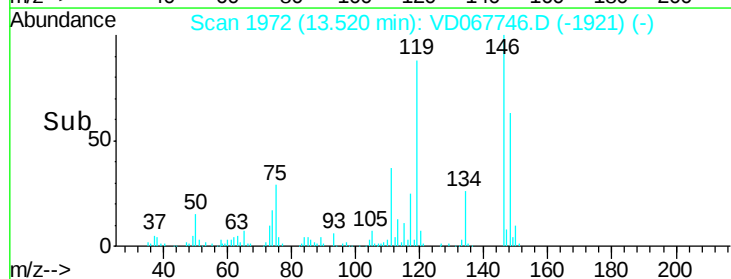
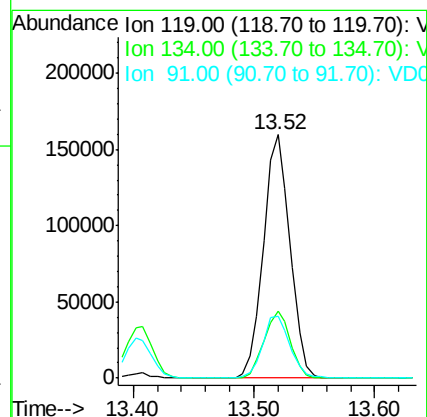
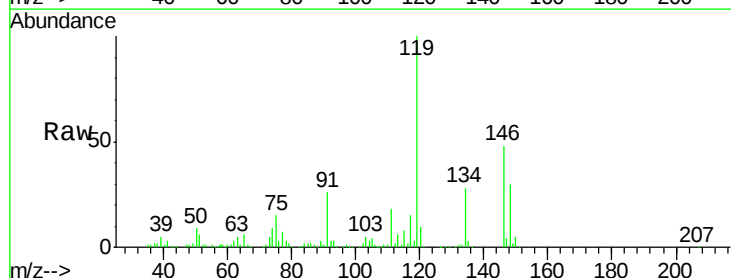
Tgt Ion:119 Resp: 243408

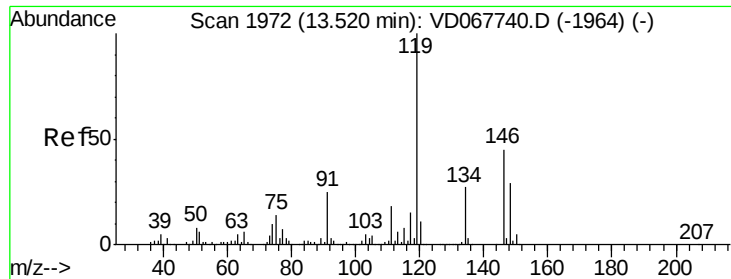
Ion Ratio Lower Upper

119 100

134 27.3 13.0 38.9

91 26.1 12.7 38.1





#87

1,3-Dichlorobenzene

Concen: 20.139 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067746.D

Acq: 23 Nov 2020 15:26

Instrument :

MSVOA_D

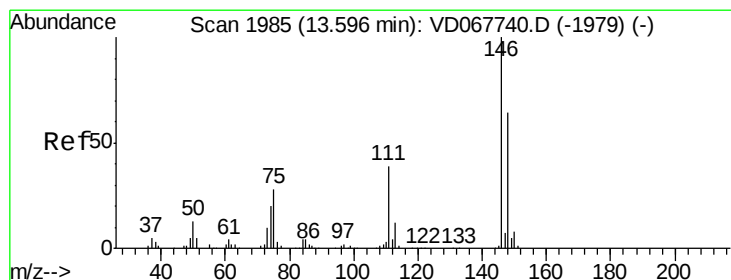
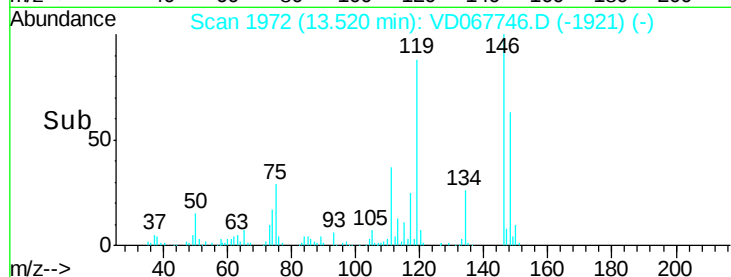
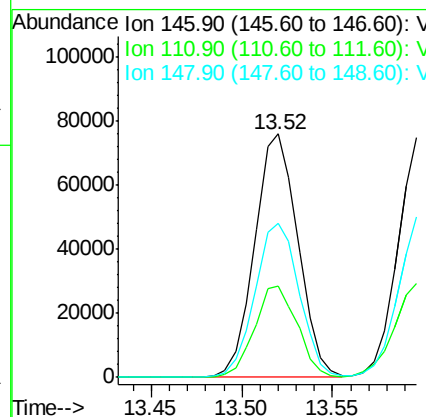
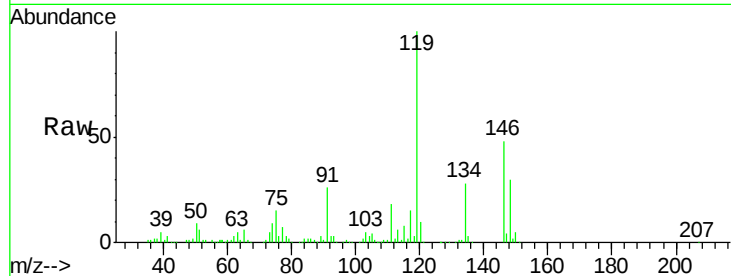
ClientSampleId :

VD1123SBS01

Tot Ion:	146	Resp:	125875
Ion Ratio	Lower	Upper	
146	100		
111	37.1	20.2	60.6
148	64.9	32.5	97.4

Manual Integrations
APPROVED

MMDadoda
11/24/2020 2:56:41 PM



#88

1,4-Dichlorobenzene

Concen: 20.042 ug/l

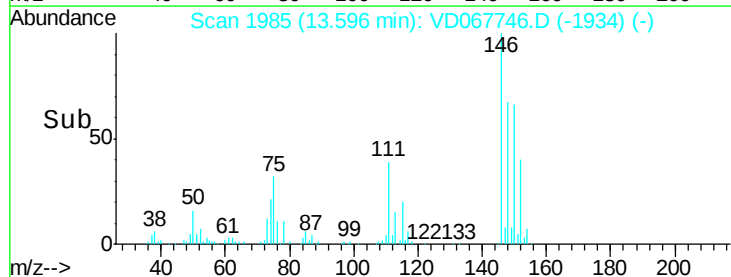
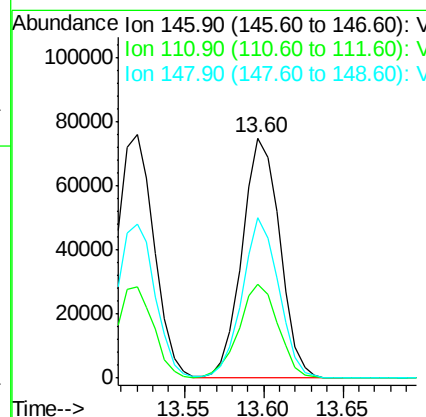
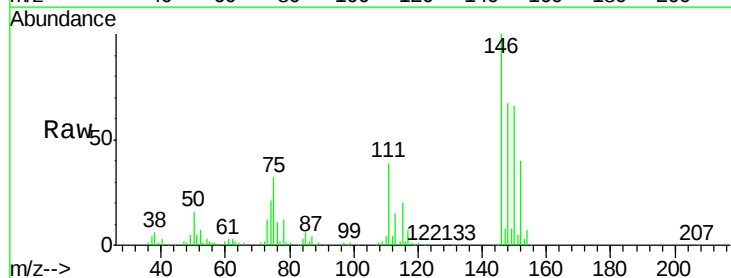
RT: 13.60 min Scan# 1985

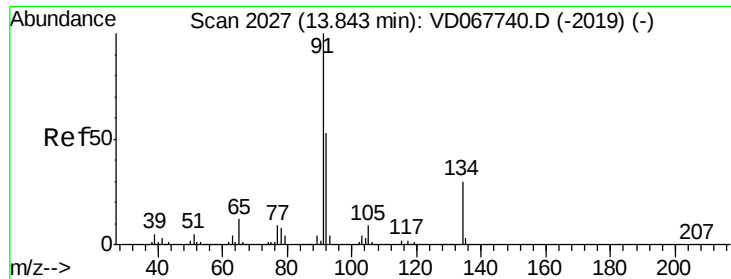
Delta R.T. 0.00 min

Lab File: VD067746.D

Acq: 23 Nov 2020 15:26

Tgt Ion:	146	Resp:	124088
Ion Ratio	Lower	Upper	
146	100		
111	41.0	19.4	58.4
148	65.0	31.6	94.8





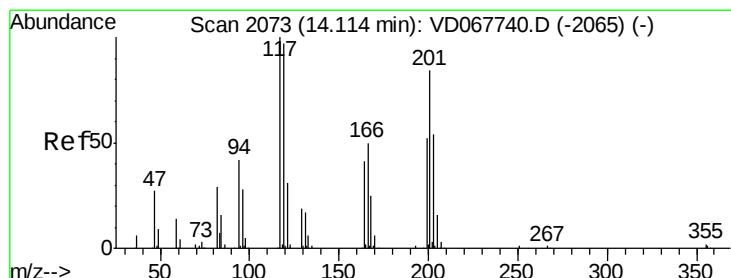
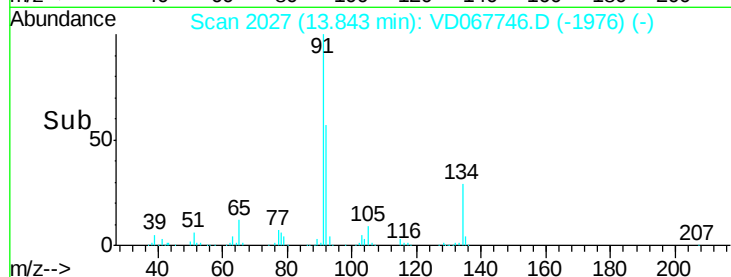
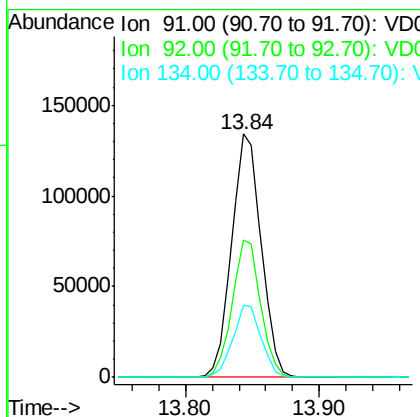
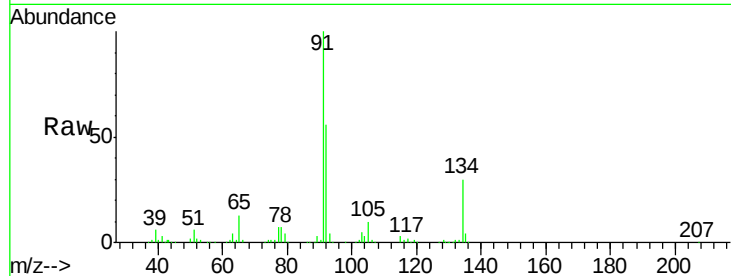
#89
n-Butylbenzene
Concen: 19.699 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VD067746.D
Acq: 23 Nov 2020 15:26

Instrument :
MSVOA_D
ClientSampleId :
VD1123SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	207116		
92	54.0		26.6	79.7
134	28.4		14.8	44.3

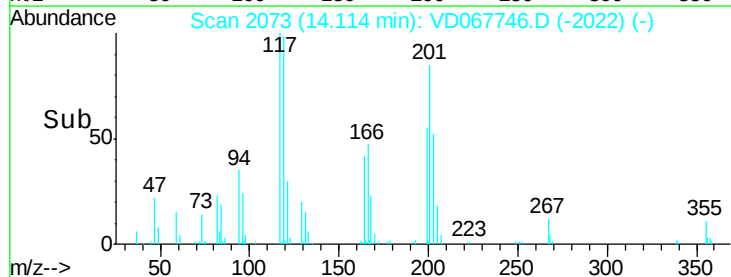
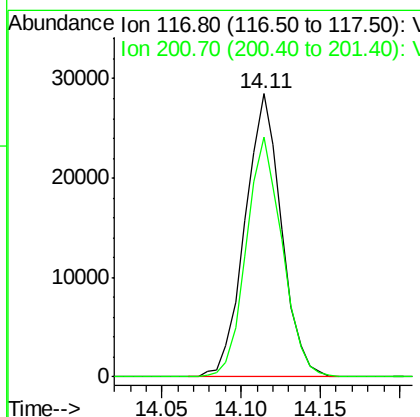
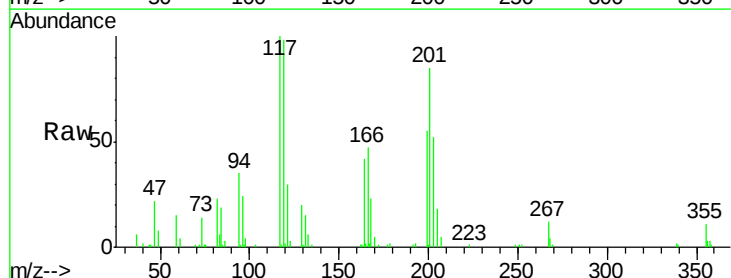
Manual Integrations
APPROVED

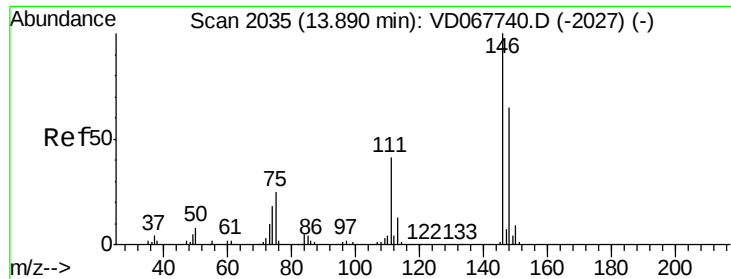
MMDadoda
11/24/2020 2:56:41 PM



#90
Hexachloroethane
Concen: 19.478 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067746.D
Acq: 23 Nov 2020 15:26

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	45493		
201	83.6		42.2	126.6





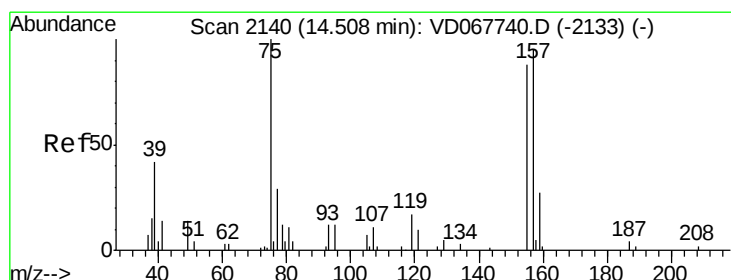
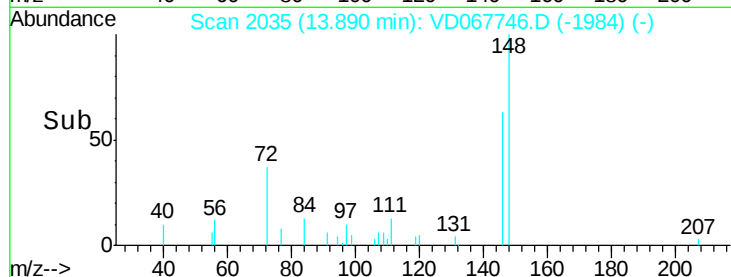
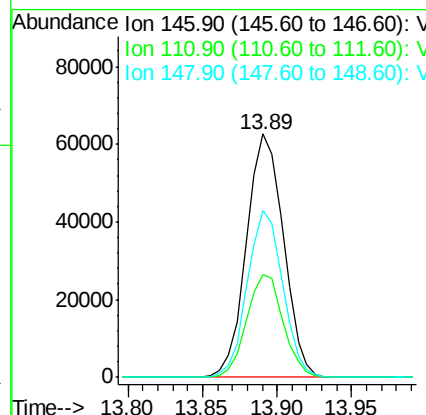
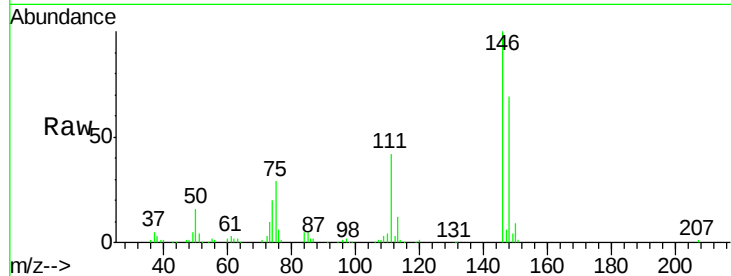
#91
 1,2-Dichlorobenzene
 Concen: 19.967 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD067746.D
 Acq: 23 Nov 2020 15:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1123SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.8	62.5
148	65.6	32.4	97.2

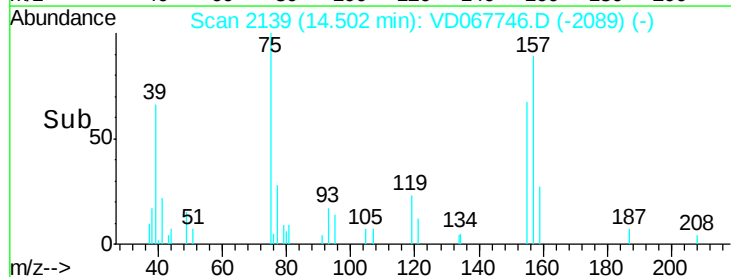
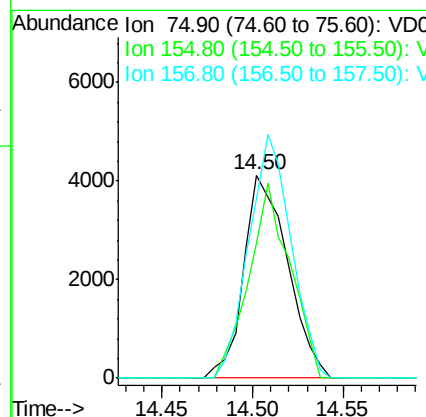
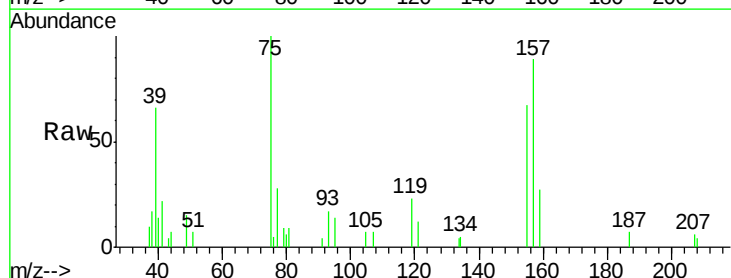
Manual Integrations
 APPROVED

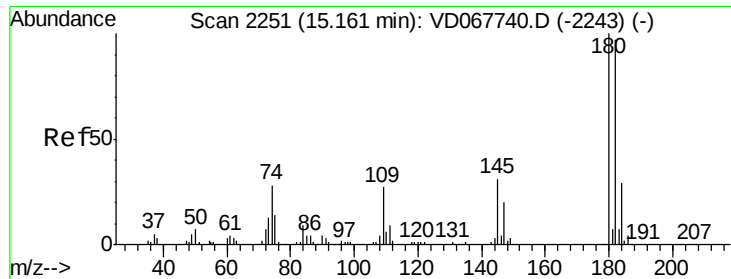
MMDadoda
 11/24/2020 2:56:41 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.661 ug/l
 RT: 14.50 min Scan# 2139
 Delta R.T. -0.01 min
 Lab File: VD067746.D
 Acq: 23 Nov 2020 15:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.6	41.0	123.0
157	115.4	51.1	153.4





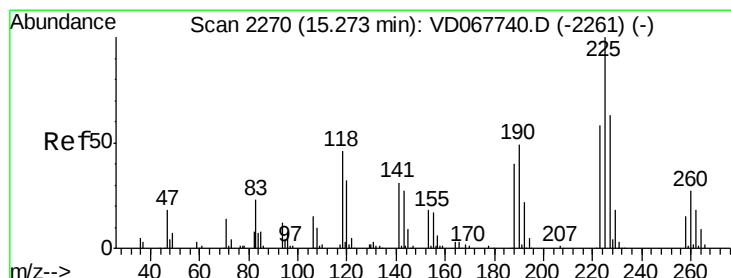
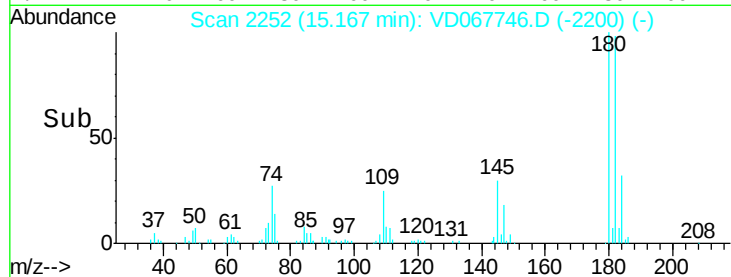
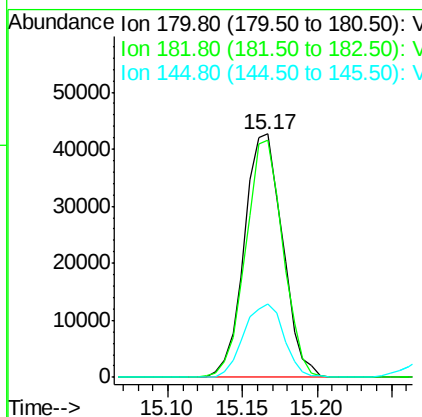
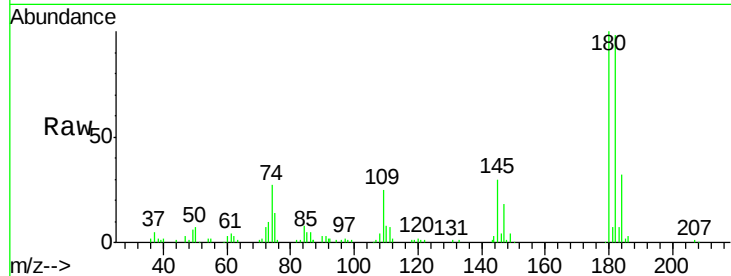
#93
 1,2,4-Trichlorobenzene
 Concen: 19.793 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD067746.D
 Acq: 23 Nov 2020 15:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1123SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.4	142.2
145	31.7	16.1	48.3

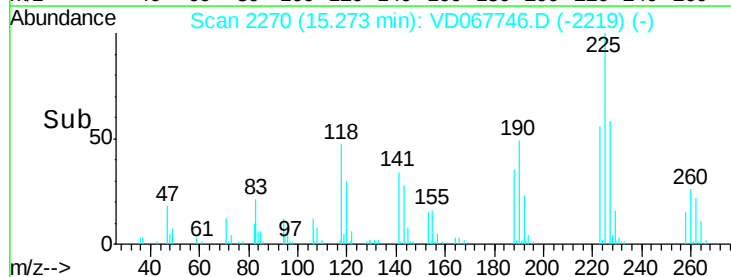
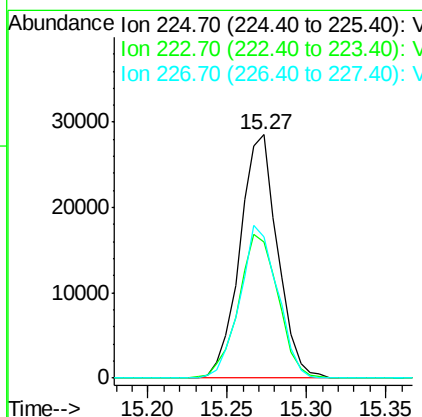
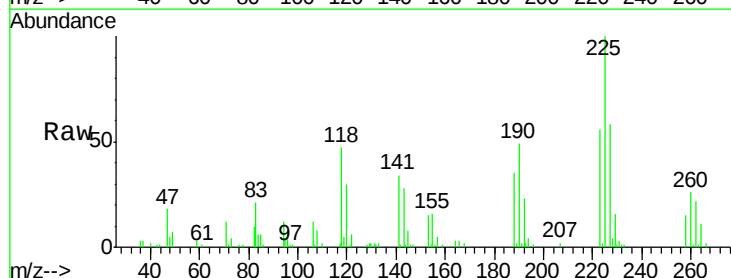
Manual Integrations
 APPROVED

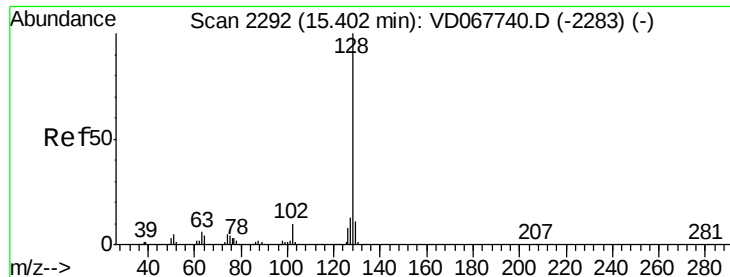
MMDadoda
 11/24/2020 2:56:41 PM



#94
 Hexachlorobutadiene
 Concen: 19.303 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067746.D
 Acq: 23 Nov 2020 15:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.5	94.5
227	62.9	32.9	98.7





#95

Naphthalene

Concen: 19.299 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VD067746.D

Acq: 23 Nov 2020 15:26

Instrument :

MSVOA_D

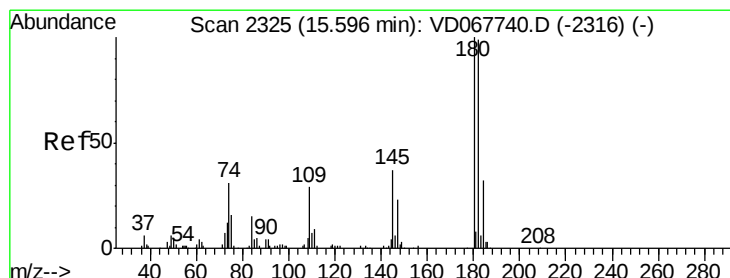
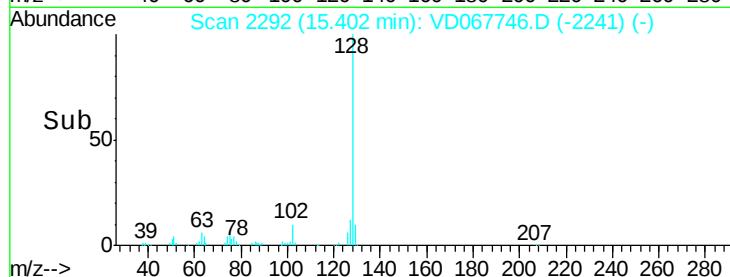
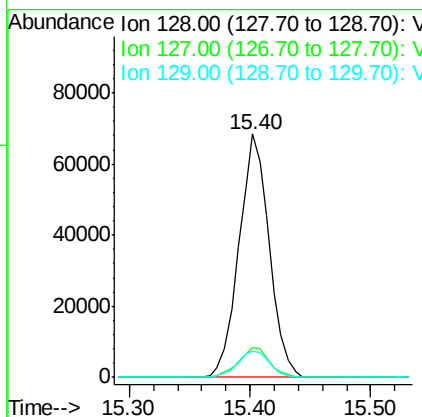
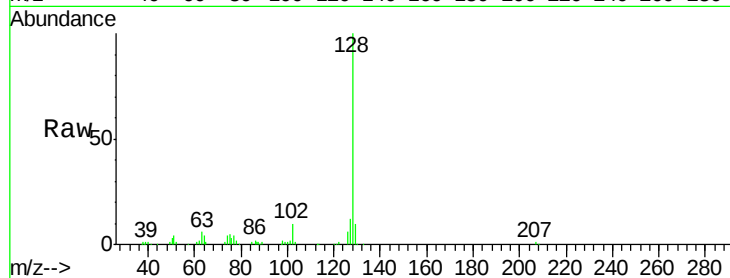
ClientSampleId :

VD1123SBSD01

Tot Ion:	128	Resp:	119074
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.7	16.1
129	11.4	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/24/2020 2:56:41 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.548 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VD067746.D

Acq: 23 Nov 2020 15:26

Tgt Ion:	180	Resp:	63480
Ion Ratio	Lower	Upper	
180	100		
182	96.8	48.0	144.0
145	34.5	16.8	50.4

