

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102220\
 Data File : VD067357.D
 Acq On : 22 Oct 2020 12:54
 Operator : VA/SY
 Sample : VD1022SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1022SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 2:12:00 PM

Quant Time: Oct 22 15:07:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	305541	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	463564	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	440369	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	225610	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	160564	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	
35) Dibromofluoromethane	7.92	113	160392	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	
50) Toluene-d8	10.34	98	579100	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	
62) 4-Bromofluorobenzene	12.64	95	203796	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	52825	18.811	ug/l	97
3) Chloromethane	2.21	50	38373	19.956	ug/l	95
4) Vinyl Chloride	2.35	62	41378	19.612	ug/l	92
5) Bromomethane	2.76	94	32918	21.061	ug/l	99
6) Chloroethane	2.93	64	26608	20.250	ug/l	96
7) Trichlorofluoromethane	3.27	101	111247	20.939	ug/l	99
8) Diethyl Ether	3.71	74	24087	19.813	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	58927	20.876	ug/l	99
10) Methyl Iodide	4.29	142	48173	18.501	ug/l	98
11) Tert butyl alcohol	5.21	59	17218	76.554	ug/l #	95
12) 1,1-Dichloroethene	4.07	96	51409	20.387	ug/l	88
13) Acrolein	3.93	56	10463	73.900	ug/l	92
14) Allyl chloride	4.72	41	56434	19.542	ug/l	99
15) Acrylonitrile	5.41	53	42911	105.784	ug/l	98
16) Acetone	4.15	43	42874	100.009	ug/l	100
17) Carbon Disulfide	4.41	76	138998	19.335	ug/l	95
18) Methyl Acetate	4.71	43	19795	20.244	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	103048	20.552	ug/l	97
20) Methylene Chloride	4.97	84	63992	20.670	ug/l	98
21) trans-1,2-Dichloroethene	5.48	96	60501	20.849	ug/l	93
22) Diisopropyl ether	6.36	45	110854	21.014	ug/l #	97
23) Vinyl Acetate	6.31	43	318006	105.958	ug/l	99
24) 1,1-Dichloroethane	6.27	63	94148	20.849	ug/l	98
25) 2-Butanone	7.22	43	48852	99.968	ug/l	97
26) 2,2-Dichloropropane	7.21	77	93925	20.179	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	66966	21.056	ug/l	99
28) Bromochloromethane	7.54	49	30380	19.724	ug/l	99
29) Tetrahydrofuran	7.57	42	30106	110.828	ug/l	95
30) Chloroform	7.71	83	110474	20.479	ug/l	92
31) Cyclohexane	7.99	56	68722	19.492	ug/l #	89
32) 1,1,1-Trichloroethane	7.91	97	112308	21.219	ug/l	98
36) 1,1-Dichloropropene	8.11	75	79072	20.125	ug/l	99
37) Ethyl Acetate	7.30	43	25070	21.687	ug/l #	92
38) Carbon Tetrachloride	8.10	117	106537	21.216	ug/l	98

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Manual Integrations
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MMDadoda
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Quant Time: Oct 22 15:07:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	81558	19.856	ug/l	98
40) Benzene	8.36	78	221532	20.553	ug/l	98
41) Methacrylonitrile	7.53	41	10196	16.322	ug/l #	62
42) 1,2-Dichloroethane	8.43	62	73178	21.694	ug/l	97
43) Isopropyl Acetate	8.46	43	48767	21.261	ug/l	99
44) Trichloroethene	9.11	130	71578	20.741	ug/l	97
45) 1,2-Dichloropropane	9.39	63	50021	20.024	ug/l	98
46) Dibromomethane	9.48	93	31812	20.439	ug/l	97
47) Bromodichloromethane	9.67	83	87173	20.905	ug/l	94
48) Methyl methacrylate	9.46	41	23419	21.009	ug/l	88
49) 1,4-Dioxane	9.47	88	6510	414.429	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	119887	104.790	ug/l	99
52) Toluene	10.41	92	157245	21.419	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	75952	20.734	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	88207	20.575	ug/l	94
55) 1,1,2-Trichloroethane	10.81	97	46093	21.717	ug/l #	92
56) Ethyl methacrylate	10.67	69	45970	20.884	ug/l	95
57) 1,3-Dichloropropane	10.95	76	70810	20.964	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	121154	107.293	ug/l	98
59) 2-Hexanone	10.99	43	79787	102.059	ug/l	99
60) Dibromochloromethane	11.14	129	62914	20.326	ug/l	96
61) 1,2-Dibromoethane	11.25	107	43585	20.830	ug/l	98
64) Tetrachloroethene	10.88	164	62279	19.519	ug/l	97
65) Chlorobenzene	11.68	112	172342	20.409	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	69631	20.747	ug/l	98
67) Ethyl Benzene	11.75	91	292423	20.201	ug/l	97
68) m/p-Xylenes	11.86	106	232526	41.714	ug/l	98
69) o-Xylene	12.18	106	103582	20.067	ug/l	96
70) Styrene	12.20	104	181734	20.452	ug/l	98
71) Bromoform	12.37	173	37387	20.735	ug/l #	99
73) Isopropylbenzene	12.48	105	288292	20.134	ug/l	99
74) N-amyl acetate	12.29	43	44216	20.446	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	46990	21.418	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	29942m	19.148	ug/l	
77) Bromobenzene	12.77	156	70963	19.879	ug/l	98
78) n-propylbenzene	12.83	91	340686	20.536	ug/l	98
79) 2-Chlorotoluene	12.91	91	191549	19.910	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	257247	20.674	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	15356	22.270	ug/l	90
82) 4-Chlorotoluene	13.01	91	212380	20.799	ug/l	100
83) tert-Butylbenzene	13.23	119	213949	20.355	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	254131	20.664	ug/l	99
85) sec-Butylbenzene	13.41	105	289636	20.083	ug/l	100
86) p-Isopropyltoluene	13.52	119	276176	20.288	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	141826	20.641	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	142224	20.892	ug/l	99
89) n-Butylbenzene	13.85	91	238218	19.892	ug/l	99
90) Hexachloroethane	14.11	117	46925	19.754	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	122551	20.417	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7719	19.366	ug/l	94

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ClientSampleId :
VD1022SBSD01

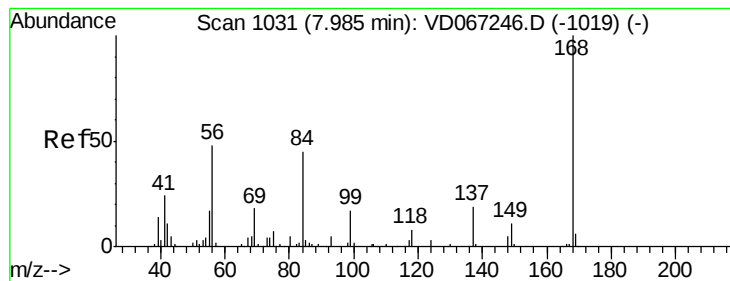
Manual Integrations
APPROVED

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10/23/2020 2:12:00 PM

Quant Time: Oct 22 15:07:08 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 19 19:13:29 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	82085	20.283	ug/l	99
94) Hexachlorobutadiene	15.28	225	51999	20.691	ug/l	97
95) Naphthalene	15.41	128	133347	20.069	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	72142	20.634	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: VD067357.D

Acq: 22 Oct 2020 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD1022SBS01

Tot Ion:168 Resp: 305541

Ion Ratio Lower Upper

168 100

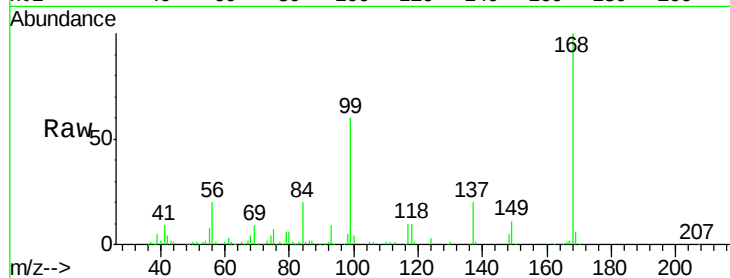
99 59.2 45.9 68.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

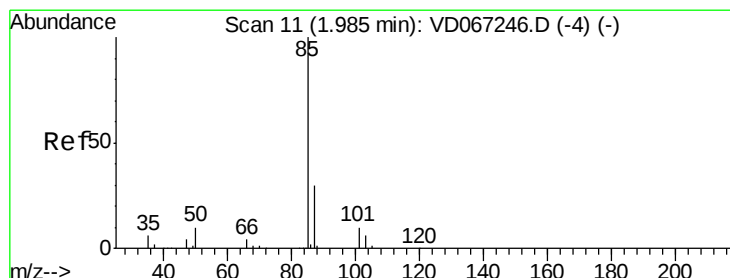
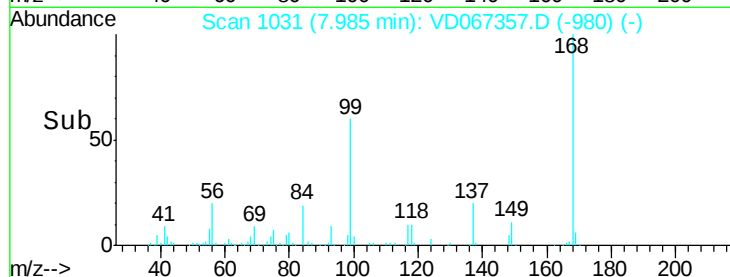
100000

50000

0

7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 18.811 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067357.D

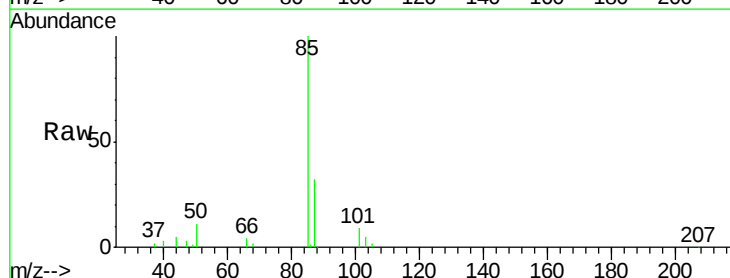
Acq: 22 Oct 2020 12:54

Tgt Ion: 85 Resp: 52825

Ion Ratio Lower Upper

85 100

87 32.2 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

30000

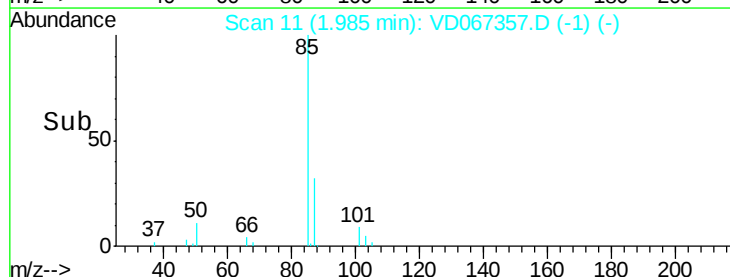
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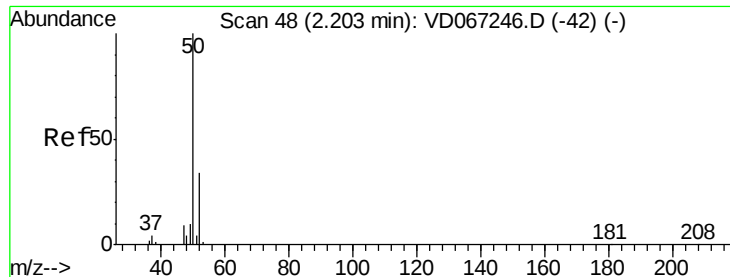
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0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 19.956 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067357.D

Acq: 22 Oct 2020 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD1022SBS01

Tot Ion: 50 Resp: 38373

Ion Ratio Lower Upper

50 100

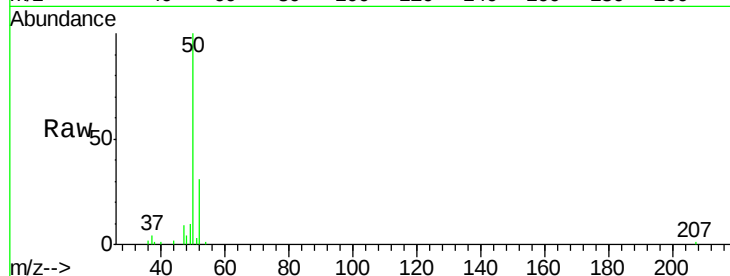
52 30.9 27.1 40.7

Manual Integrations

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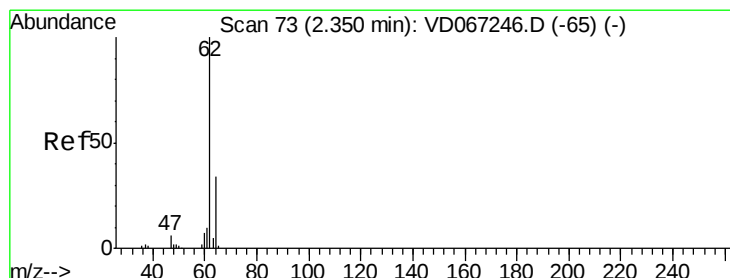
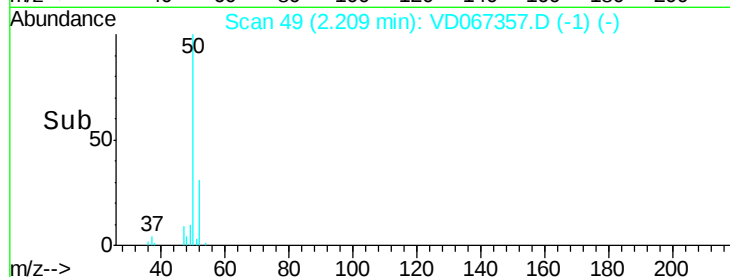
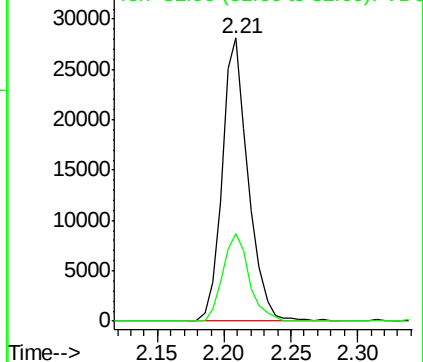
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.612 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067357.D

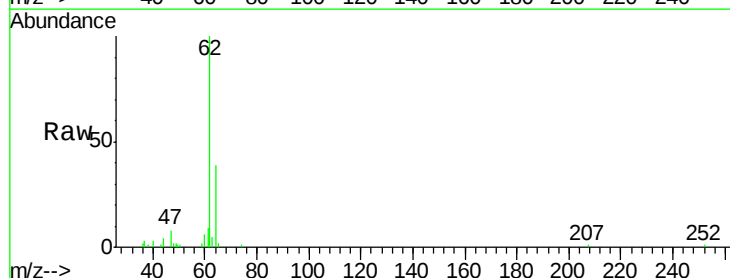
Acq: 22 Oct 2020 12:54

Tgt Ion: 62 Resp: 41378

Ion Ratio Lower Upper

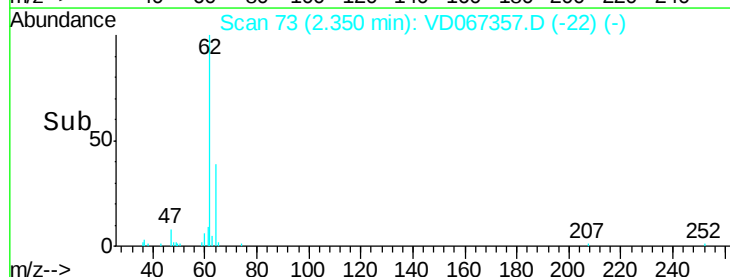
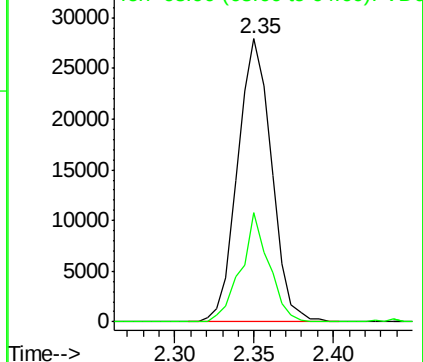
62 100

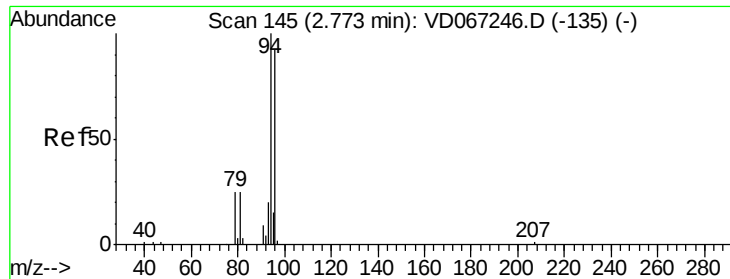
64 38.8 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.061 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067357.D

Acq: 22 Oct 2020 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD1022SBS01

Tot Ion: 94 Resp: 32918

Ion Ratio Lower Upper

94 100

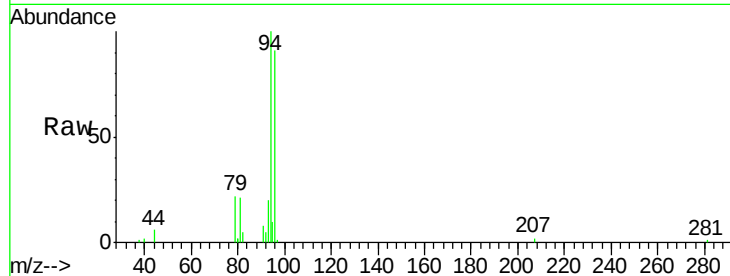
96 91.2 73.8 110.6

Manual Integrations

APPROVED

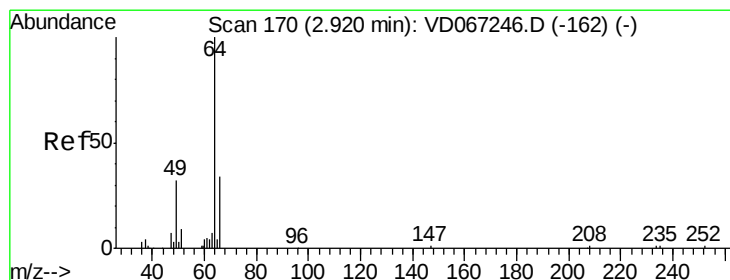
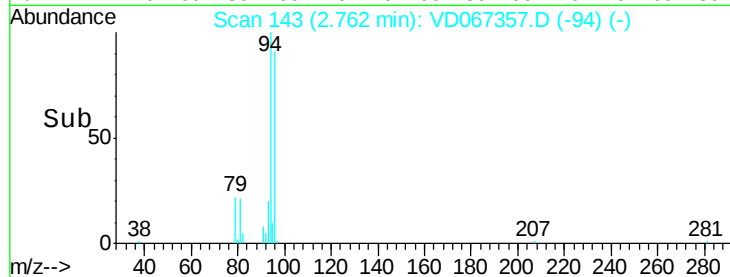
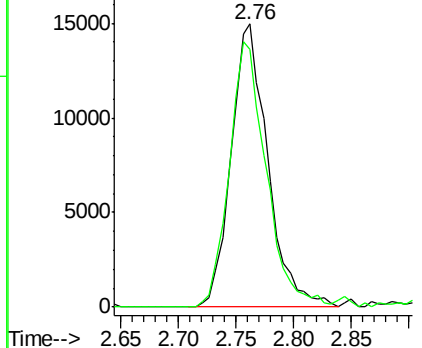
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.250 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD067357.D

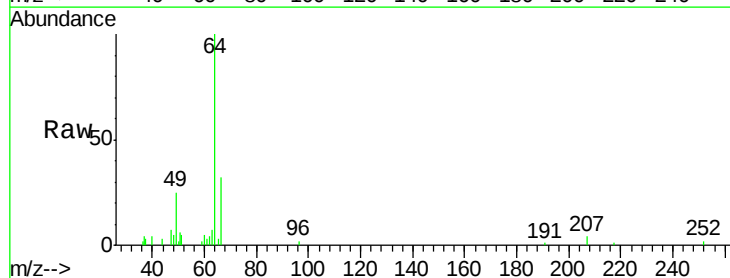
Acq: 22 Oct 2020 12:54

Tgt Ion: 64 Resp: 26608

Ion Ratio Lower Upper

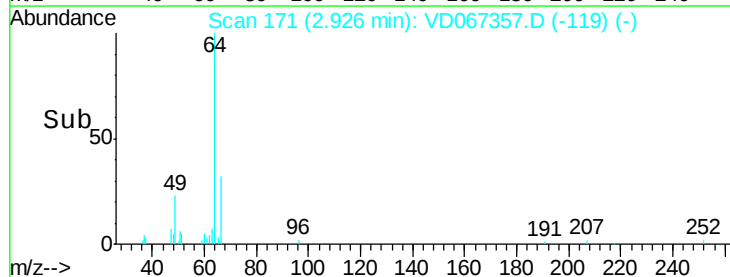
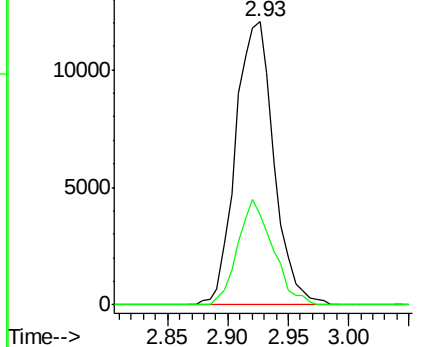
64 100

66 31.9 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

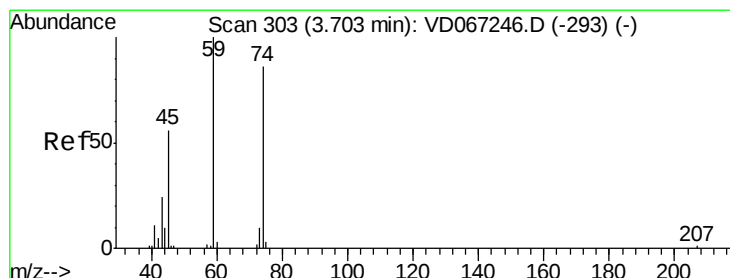
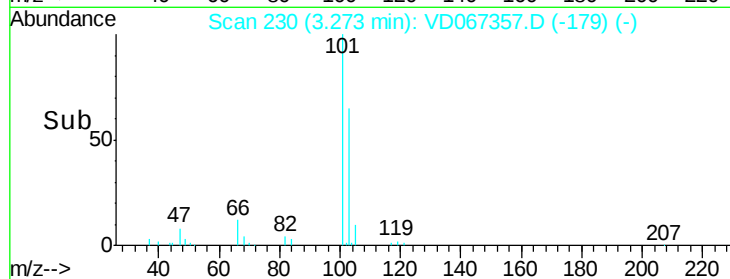
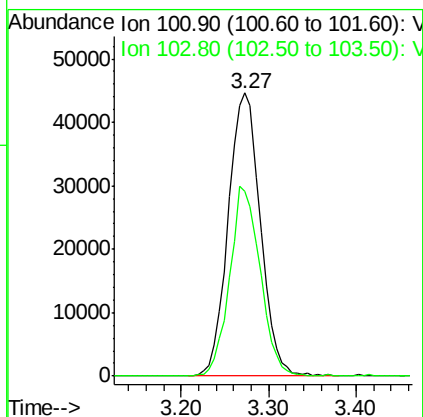
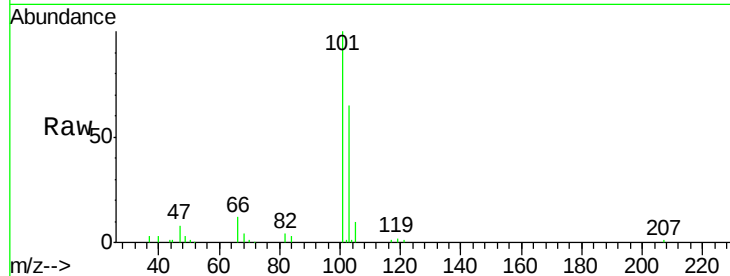
Trichlorofluoromethane
 Concen: 20.939 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD067357.D
 Acq: 22 Oct 2020 12:54

Instrument :
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 VD1022SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	53.1	79.7

Manual Integrations
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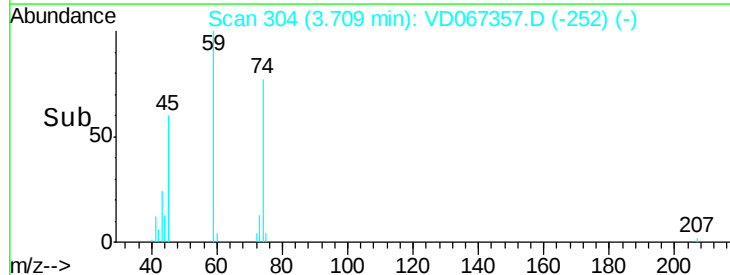
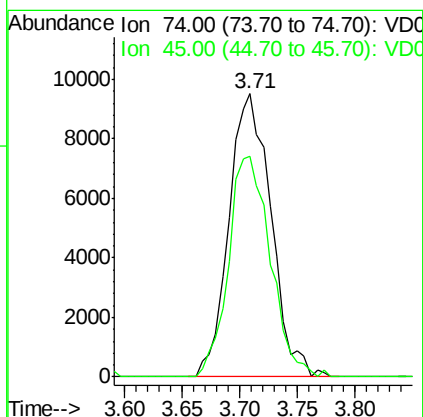
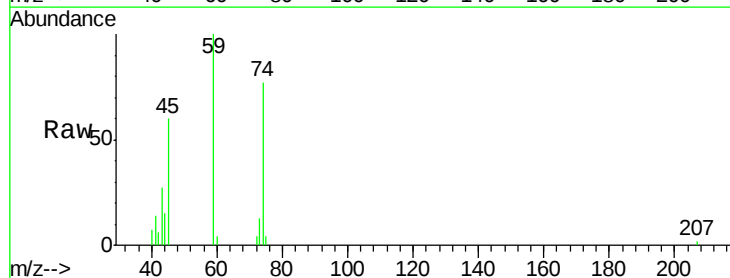
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 10/23/2020 2:12:00 PM

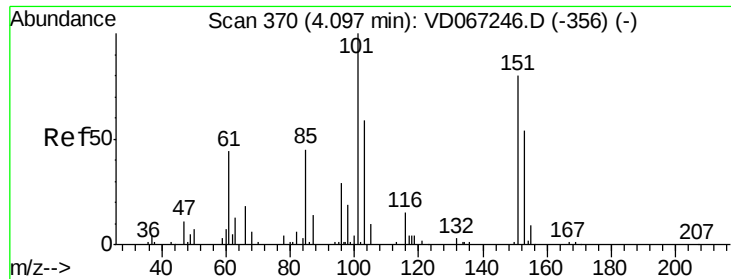


#8

Diethyl Ether
 Concen: 19.813 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.01 min
 Lab File: VD067357.D
 Acq: 22 Oct 2020 12:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	77.1	37.0	111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.876 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067357.D

Acq: 22 Oct 2020 12:54

Instrument :

MSVOA_D

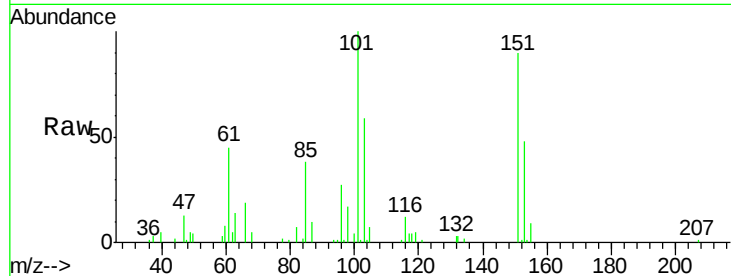
ClientSampleId :

VD1022SBS01

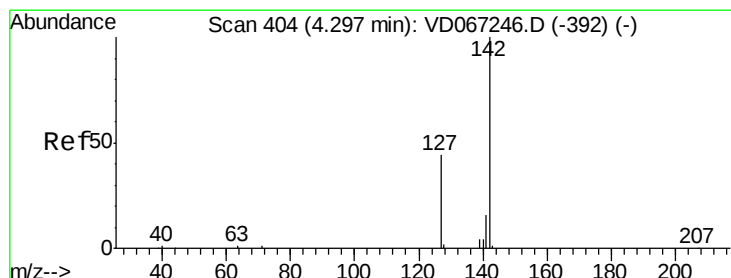
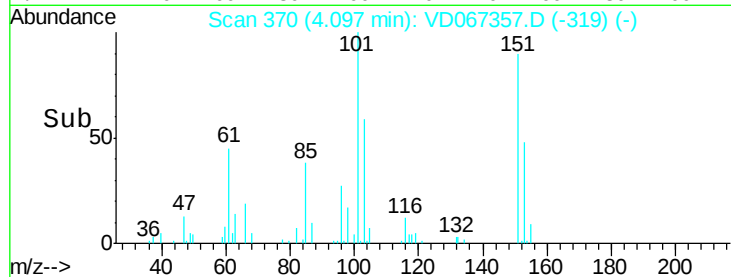
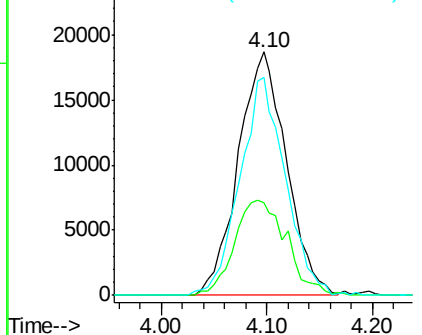
Tot Ion:	101	Resp:	58927
Ion Ratio	Lower	Upper	
101	100		
85	42.4	34.2	51.4
151	84.4	66.3	99.5

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.501 ug/l

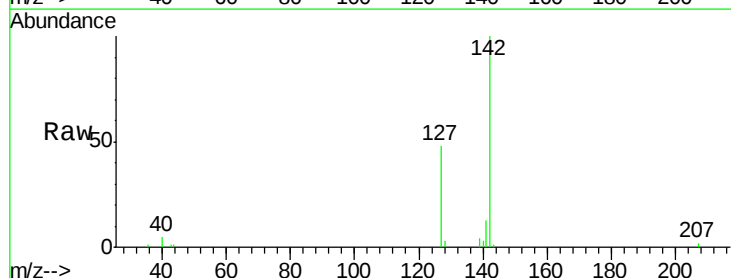
RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

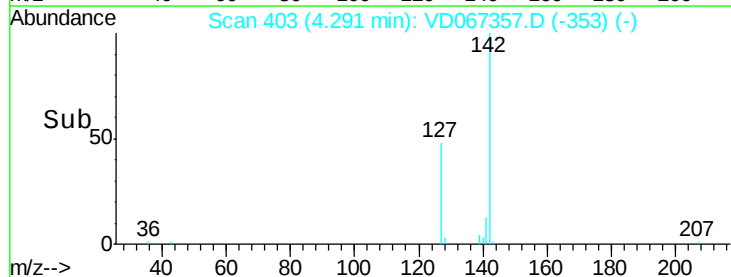
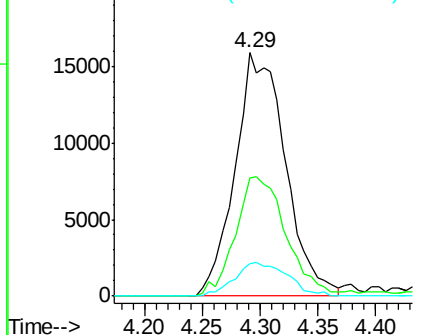
Lab File: VD067357.D

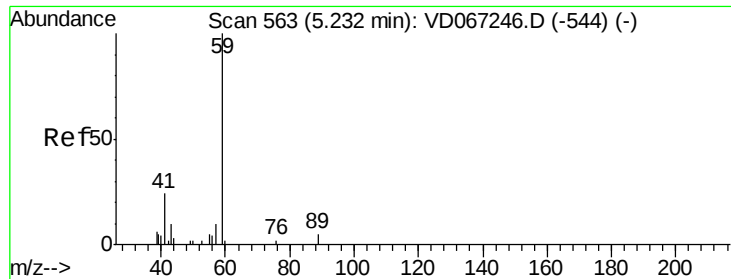
Acq: 22 Oct 2020 12:54

Tgt Ion:	142	Resp:	48173
Ion Ratio	Lower	Upper	
142	100		
127	49.4	38.4	57.6
141	14.6	11.6	17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

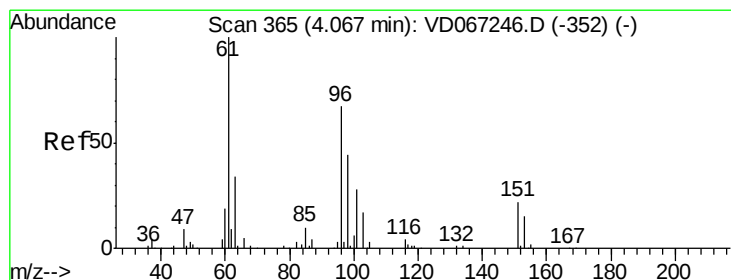
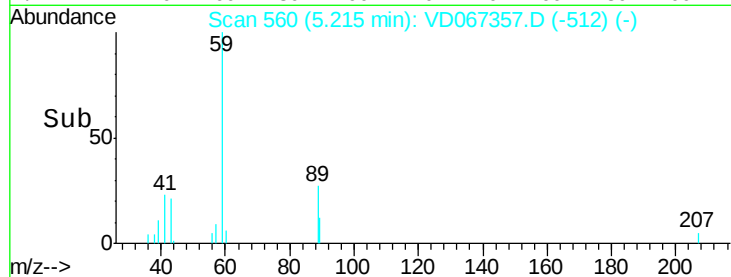
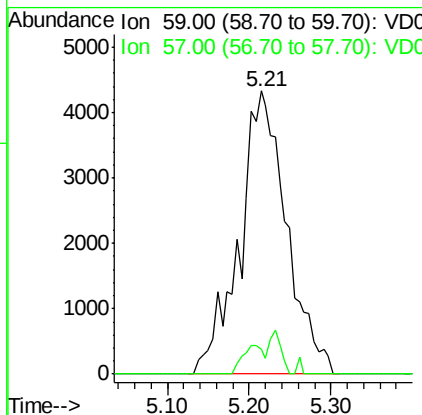
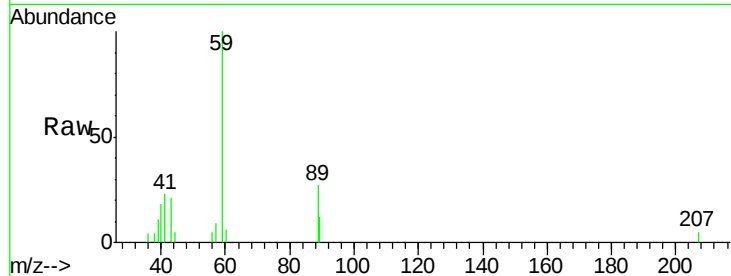
Tert butyl alcohol
Concen: 76.554 ug/l
RT: 5.21 min Scan# 560
Delta R.T. -0.02 min
Lab File: VD067357.D
Acq: 22 Oct 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VD1022SBS01

Tot Ion	59	Resp	17218
Ion Ratio	100	Lower	Upper
57	4.6	5.1	7.7#

Manual Integrations
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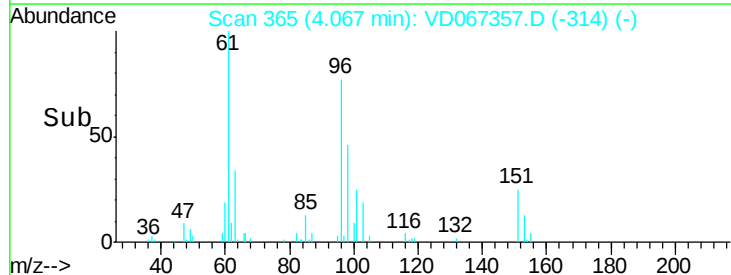
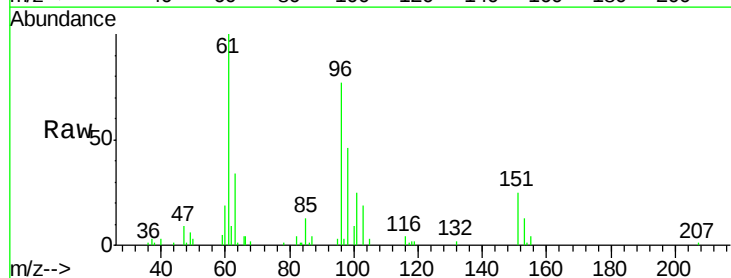
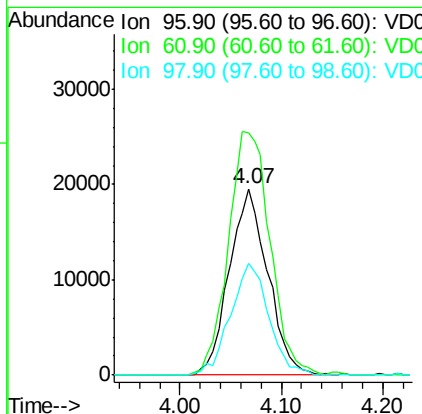
MMDadoda
10/23/2020 2:12:00 PM

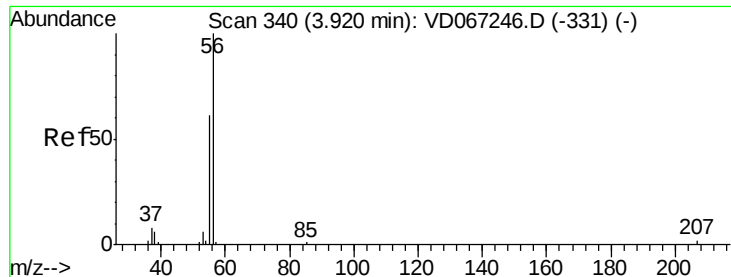


#12

1,1-Dichloroethene
Concen: 20.387 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD067357.D
Acq: 22 Oct 2020 12:54

Tgt Ion	96	Resp	51409
Ion Ratio	100	Lower	Upper
61	130.0	118.6	177.8
98	59.9	51.8	77.6





#13

Acrolein

Concen: 73.900 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD067357.D

Acq: 22 Oct 2020 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD1022SBS01

Tot Ion: 56 Resp: 10463

Ion Ratio Lower Upper

56 100

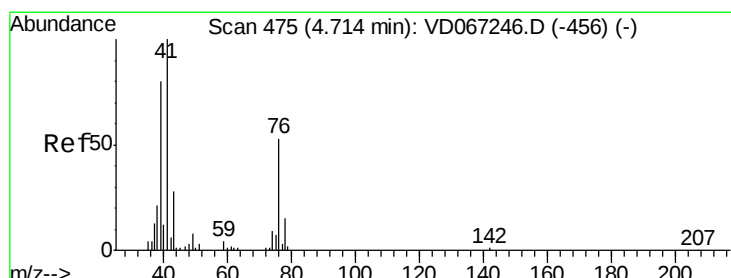
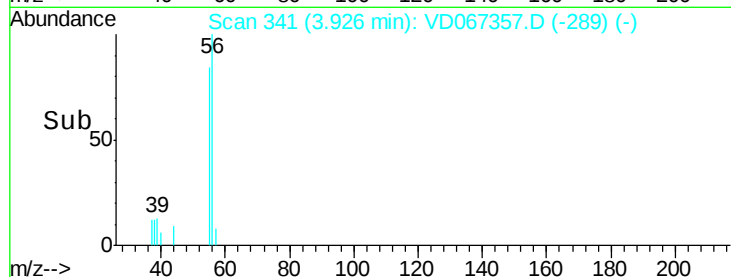
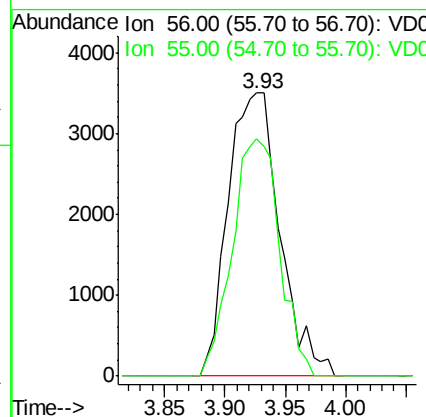
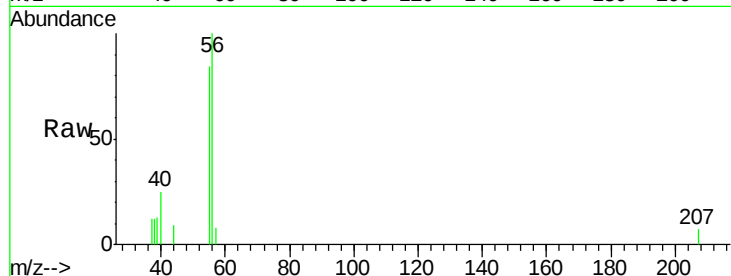
55 76.5 56.0 84.0

Manual Integrations

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#14

Allyl chloride

Concen: 19.542 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067357.D

Acq: 22 Oct 2020 12:54

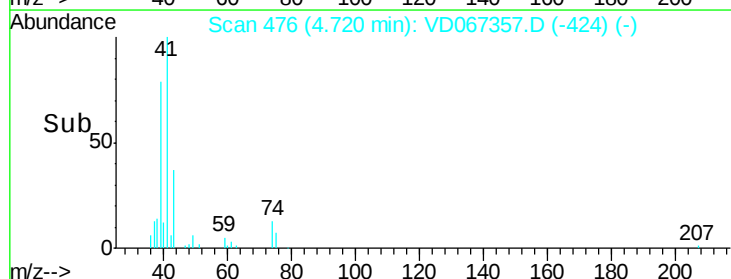
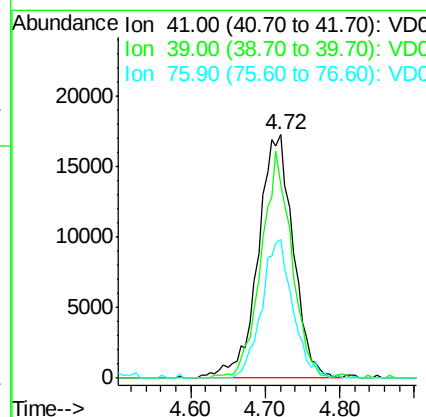
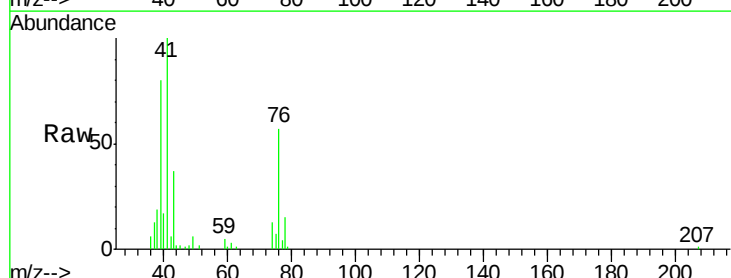
Tgt Ion: 41 Resp: 56434

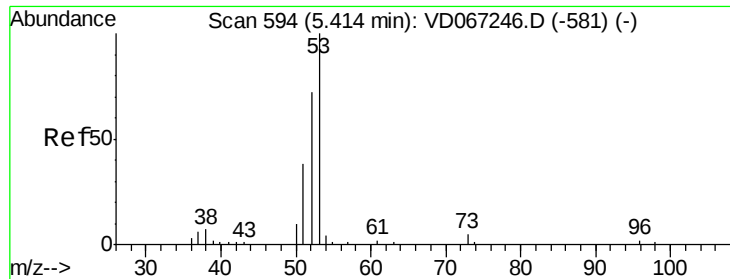
Ion Ratio Lower Upper

41 100

39 80.6 63.8 95.6

76 50.7 40.4 60.6





#15

Acrylonitrile

Concen: 105.784 ug/l

RT: 5.41 min Scan# 594

Delta R.T. 0.00 min

Lab File: VD067357.D

Acq: 22 Oct 2020 12:54

Instrument :

MSVOA_D

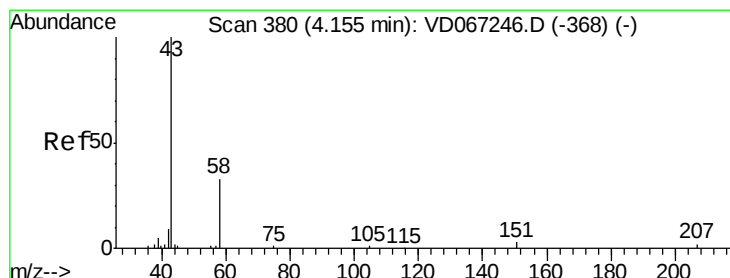
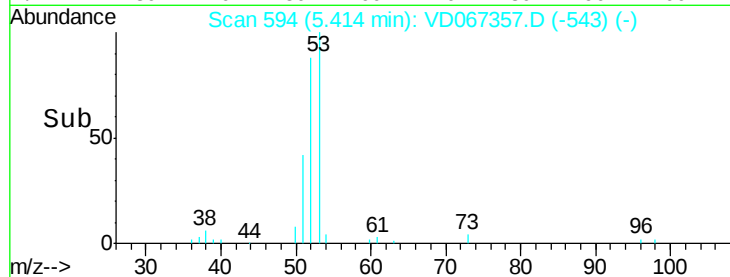
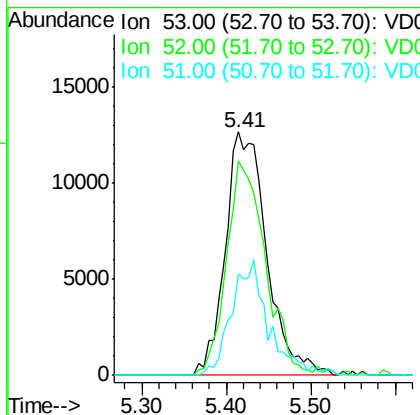
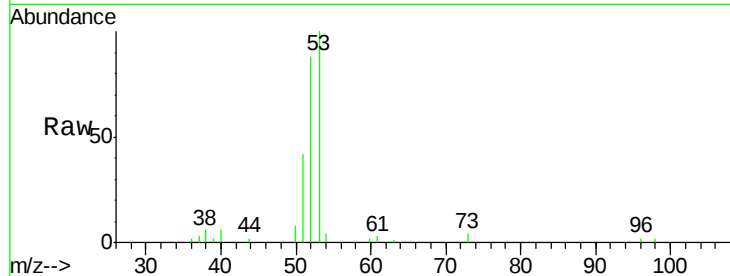
ClientSampleId :

VD1022SBS01

Tot Ion:	53	Resp:	42911
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.6	98.4
51	41.8	30.8	46.2

Manual Integrations
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#16

Acetone

Concen: 100.009 ug/l

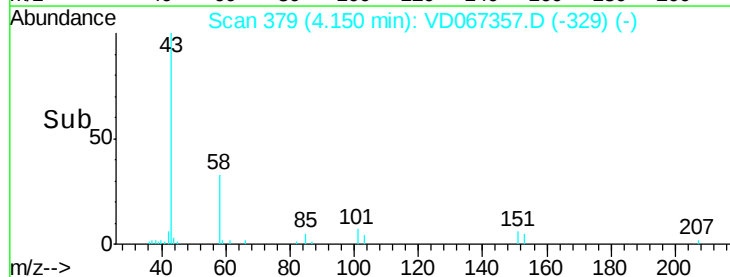
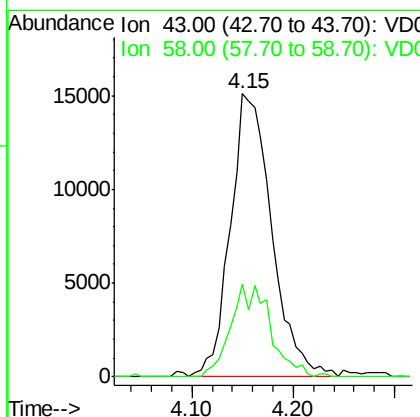
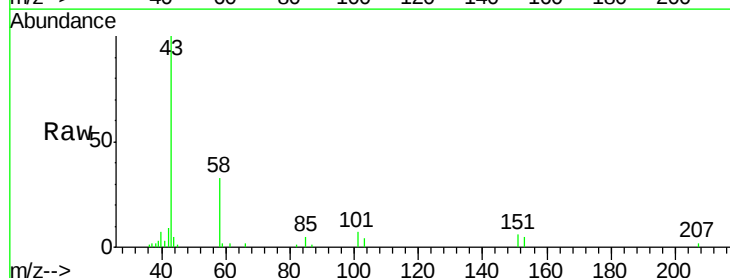
RT: 4.15 min Scan# 379

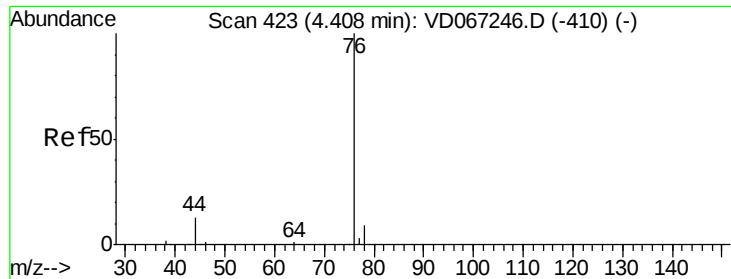
Delta R.T. -0.01 min

Lab File: VD067357.D

Acq: 22 Oct 2020 12:54

Tgt Ion:	43	Resp:	42874
Ion	Ratio	Lower	Upper
43	100		
58	32.8	26.1	39.1





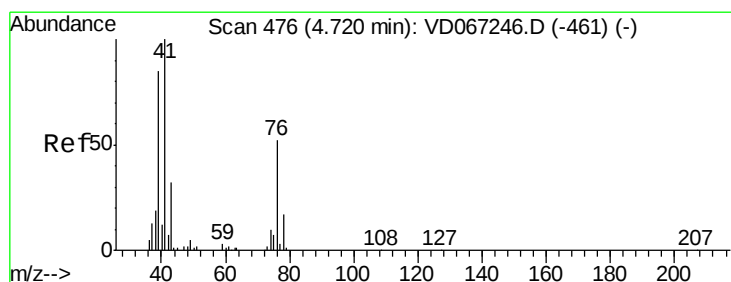
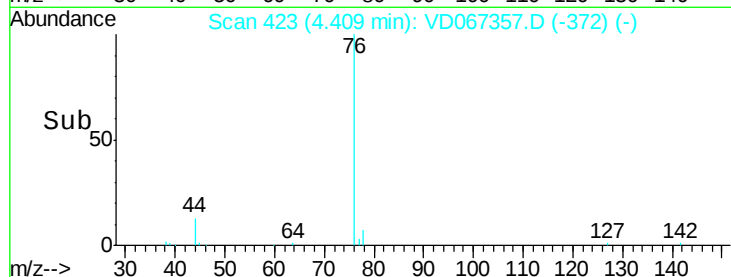
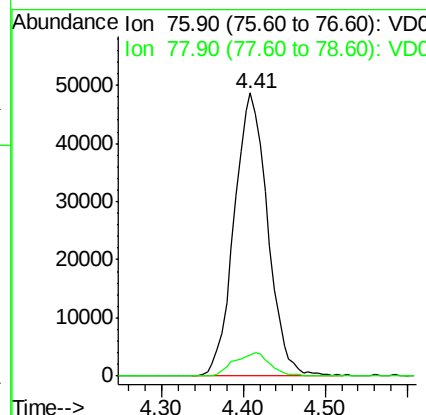
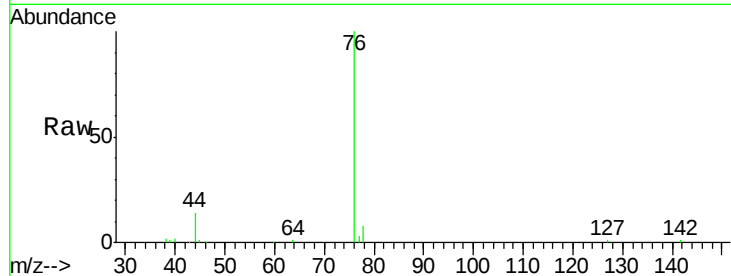
#17
Carbon Disulfide
Concen: 19.335 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067357.D
Acq: 22 Oct 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VD1022SBS01

Tot Ion: 76 Resp: 138998
Ion Ratio Lower Upper
76 100
78 7.5 7.4 11.0

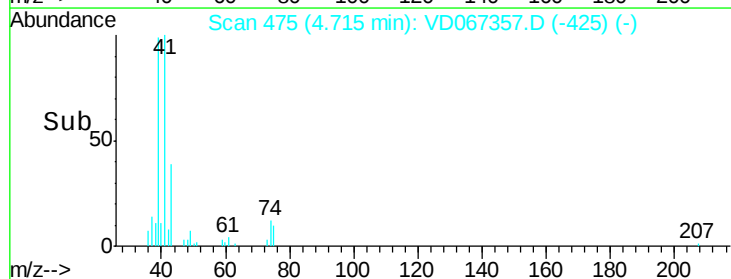
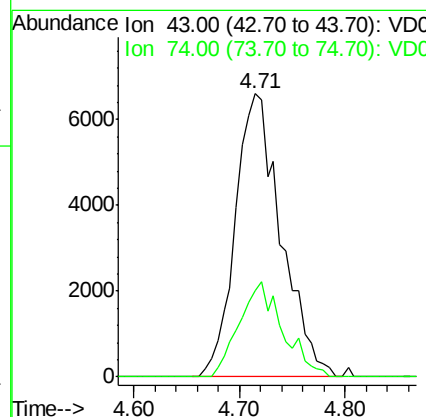
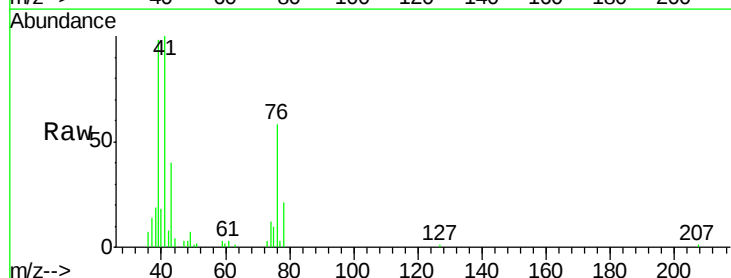
Manual Integrations
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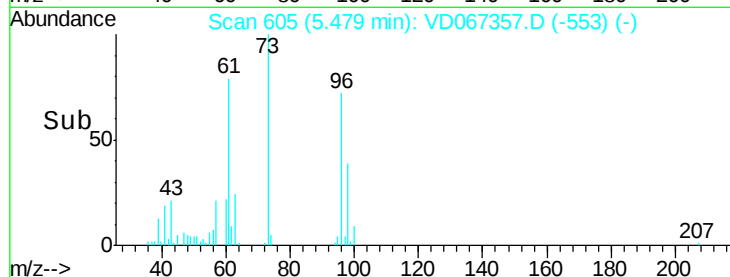
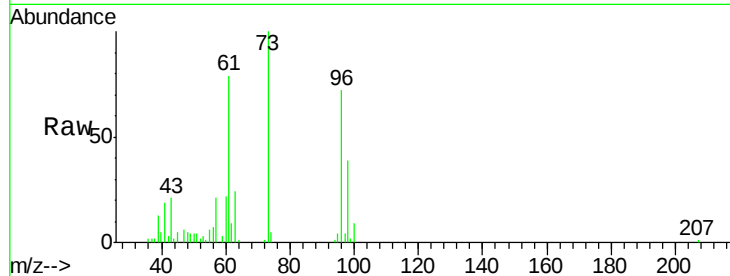
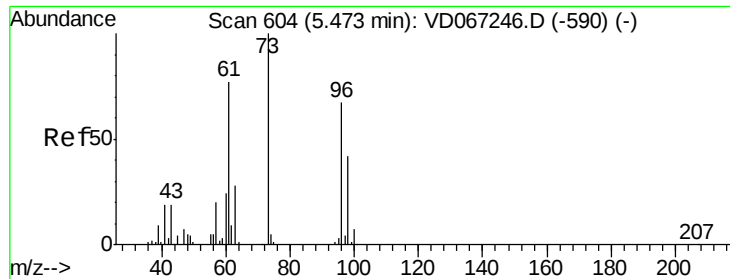
MMDadoda
10/23/2020 2:12:00 PM



#18
Methyl Acetate
Concen: 20.244 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD067357.D
Acq: 22 Oct 2020 12:54

Tgt Ion: 43 Resp: 19795
Ion Ratio Lower Upper
43 100
74 32.0 26.6 39.8





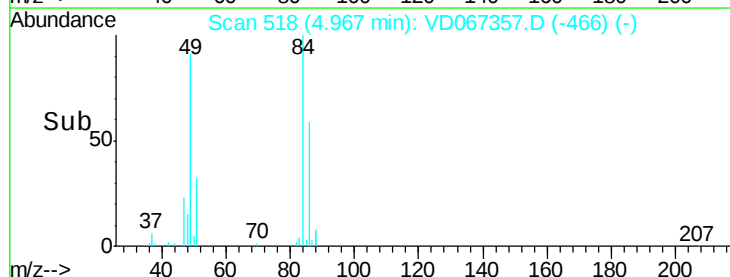
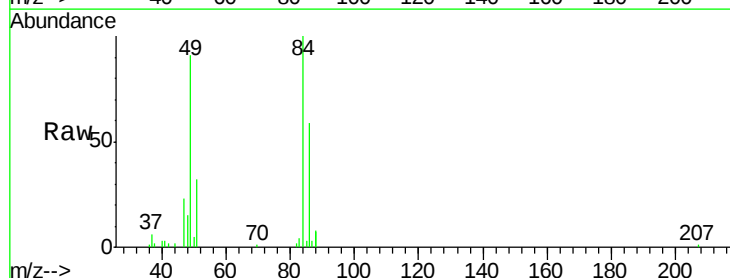
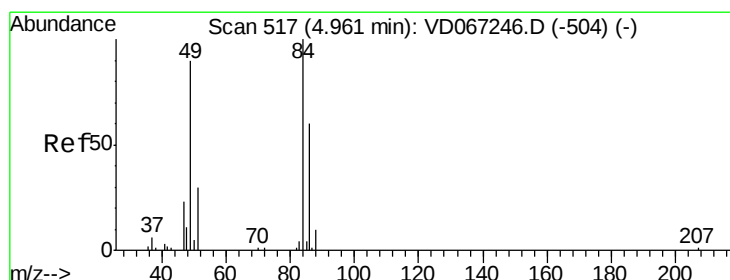
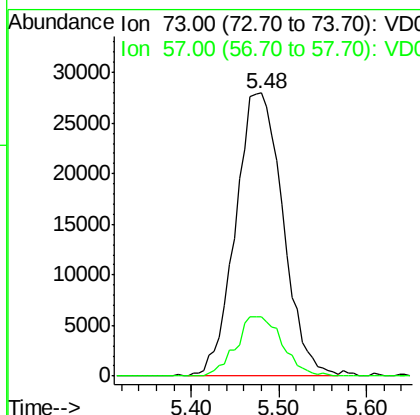
#19
Methvl tert-butvl Ether
Concen: 20.552 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067357.D
Acq: 22 Oct 2020 12:54

Tot Ion: 73 Resp: 103048
Ion Ratio Lower Upper
73 100
57 20.9 15.7 23.5

Instrument :
MSVOA_D
ClientSampleId :
VD1022SBS01

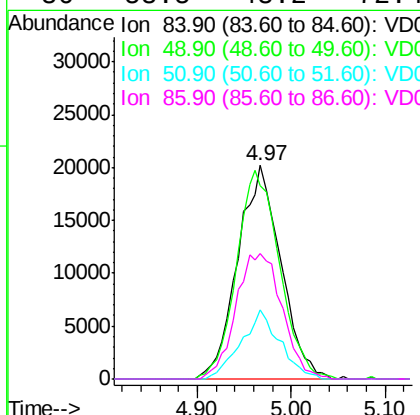
Manual Integrations
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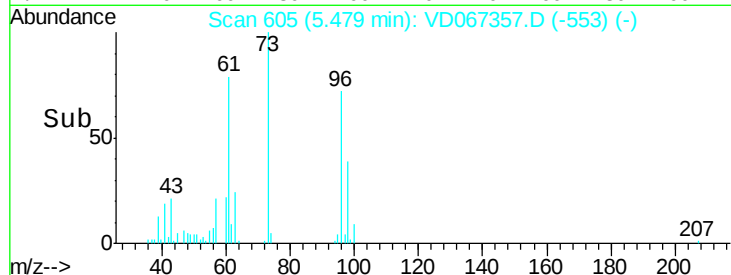
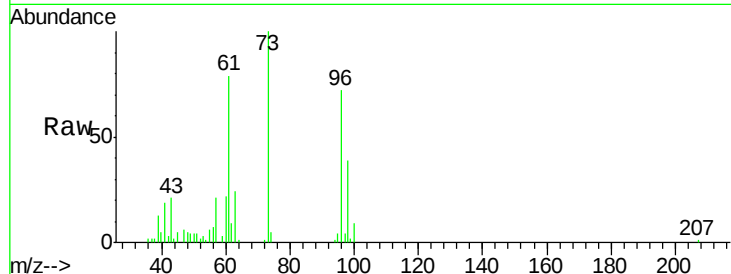
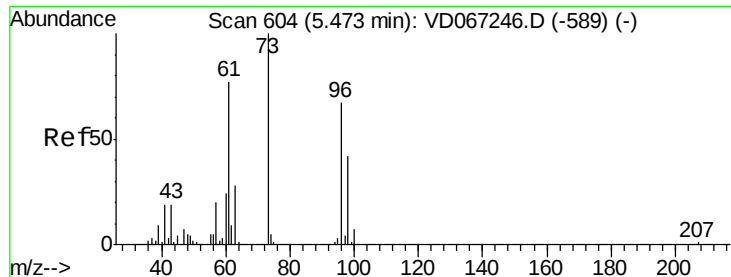
MMDadoda
10/23/2020 2:12:00 PM



#20
Methylene Chloride
Concen: 20.670 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067357.D
Acq: 22 Oct 2020 12:54

Tgt Ion: 84 Resp: 63992
Ion Ratio Lower Upper
84 100
49 90.7 72.2 108.2
51 32.2 23.8 35.8
86 58.5 48.2 72.4





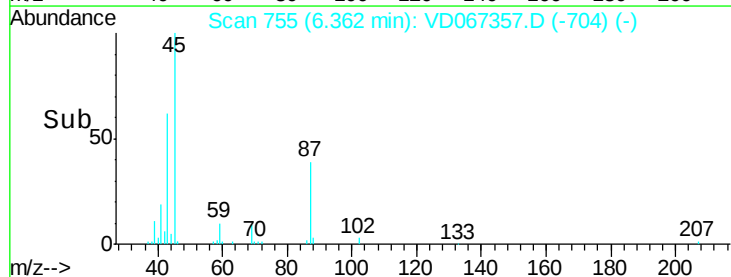
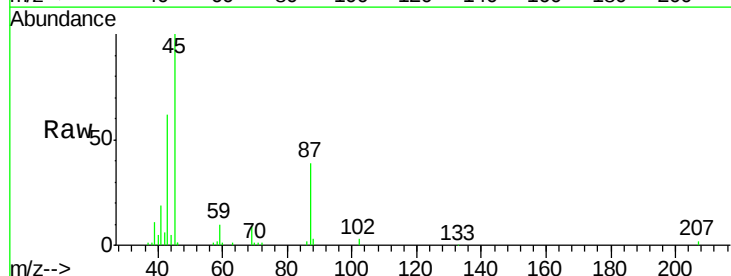
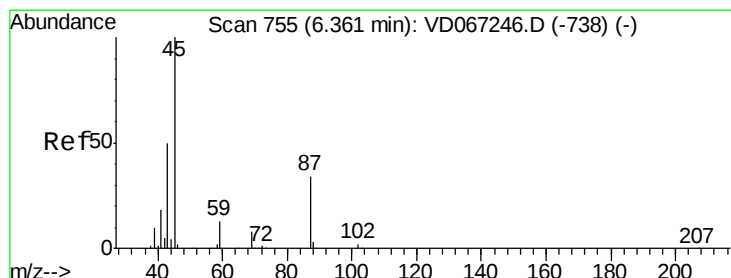
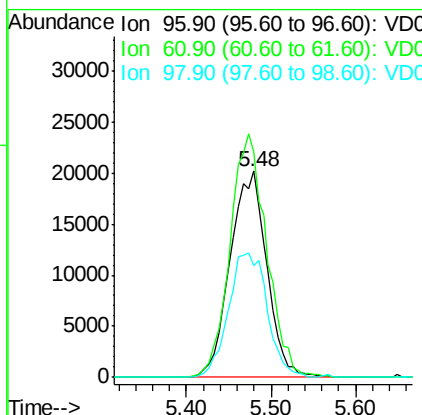
#21
trans-1,2-Dichloroethene
Concen: 20.849 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067357.D
Acq: 22 Oct 2020 12:54

Tot Ion	Ratio	Lower	Upper
96	100		
61	109.8	92.0	138.0
98	54.4	49.8	74.8

Instrument :
MSVOA_D
ClientSampleId :
VD1022SBS01

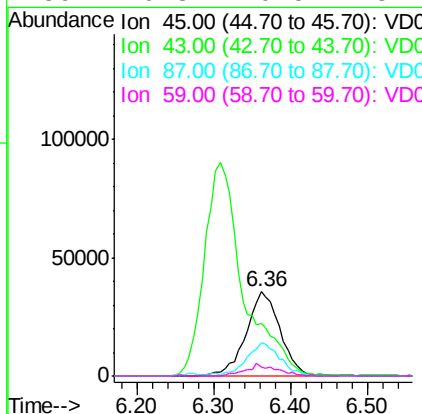
Manual Integrations
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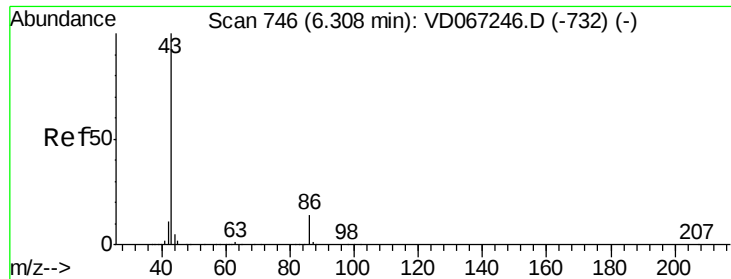
MMDadoda
10/23/2020 2:12:00 PM



#22
Diisopropyl ether
Concen: 21.014 ug/l
RT: 6.36 min Scan# 755
Delta R.T. 0.00 min
Lab File: VD067357.D
Acq: 22 Oct 2020 12:54

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.0	48.0	72.0
87	39.4	28.5	42.7
59	10.3	10.5	15.7#





#23

Vinyl Acetate

Concen: 105.958 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067357.D

Acq: 22 Oct 2020 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD1022SBS01

Tot Ion: 43 Resp: 318006

Ion Ratio Lower Upper

43 100

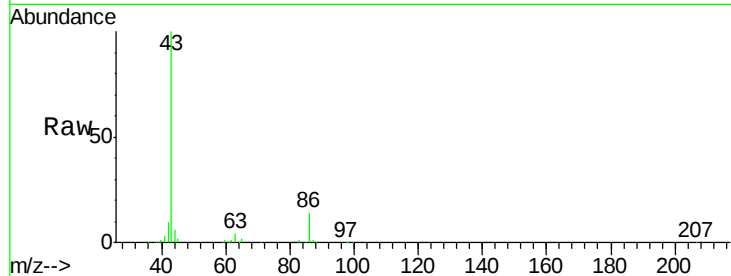
86 14.3 11.0 16.6

Manual Integrations

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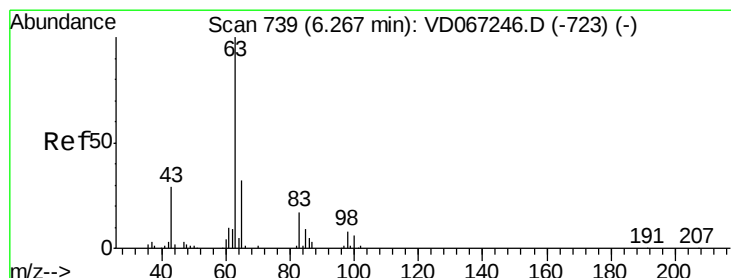
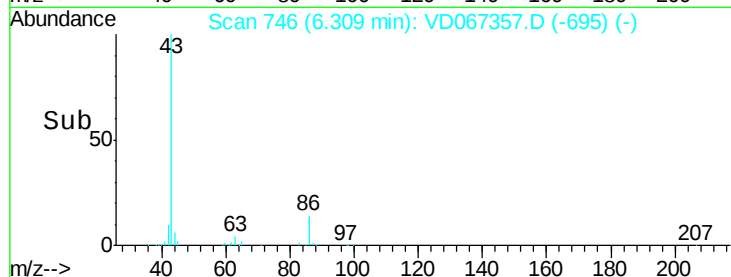
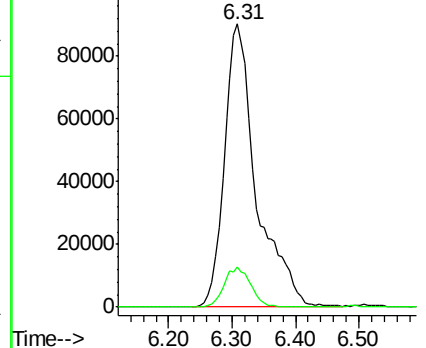
MMDadoda

10/23/2020 2:12:00 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: 20.849 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067357.D

Acq: 22 Oct 2020 12:54

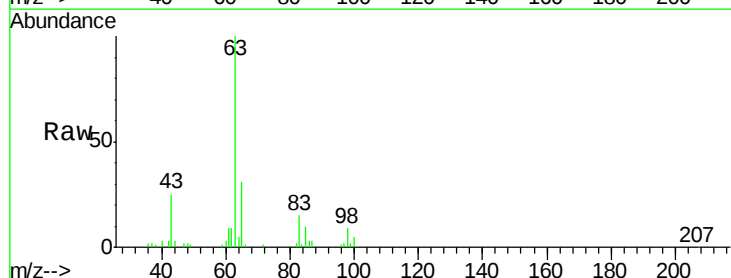
Tgt Ion: 63 Resp: 94148

Ion Ratio Lower Upper

63 100

98 8.5 4.0 12.2

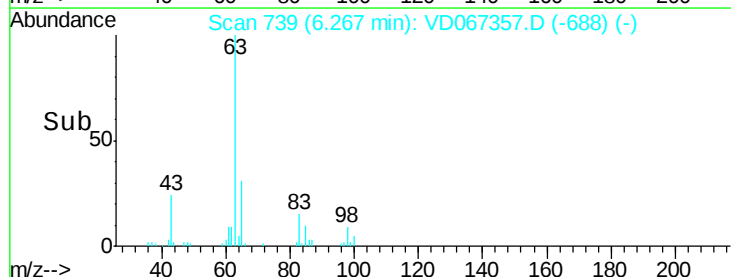
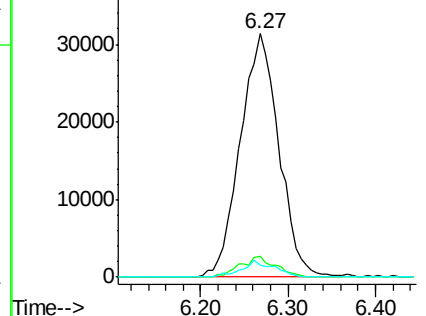
100 4.9 2.8 8.4

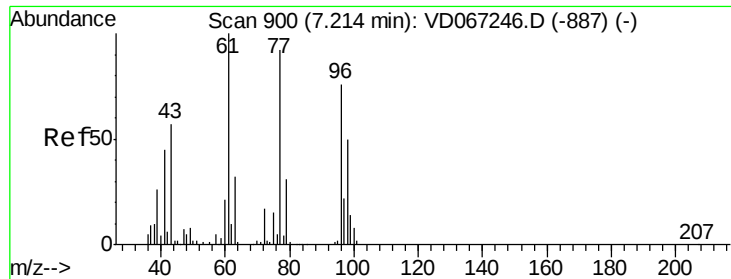


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





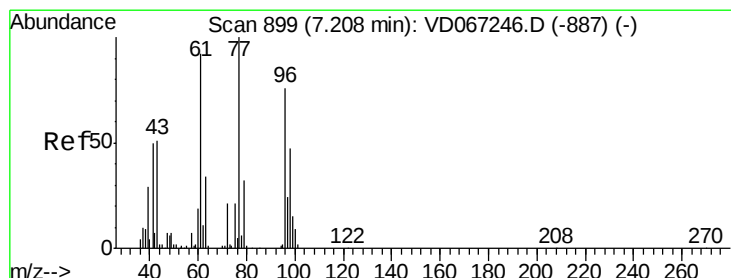
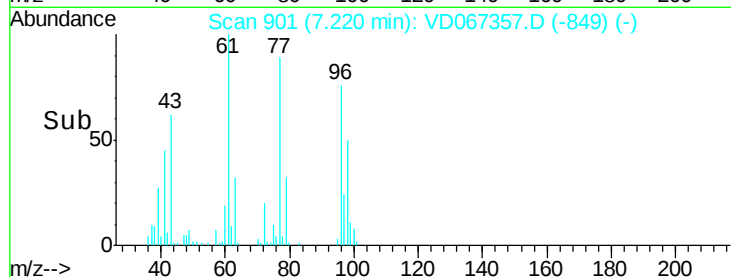
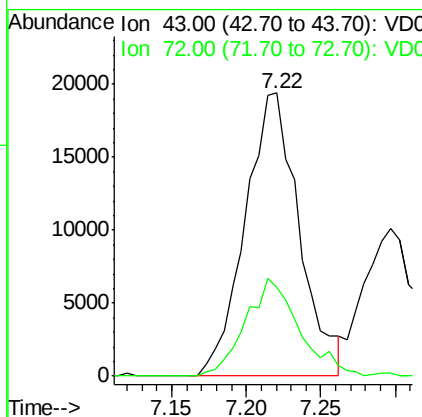
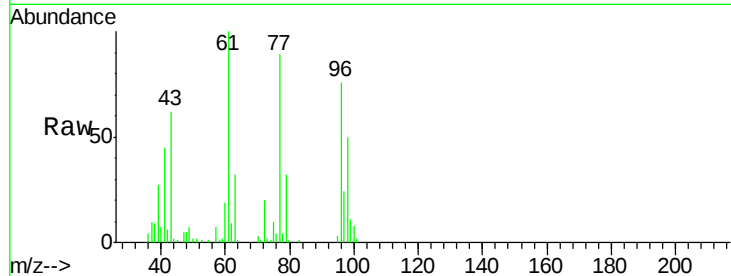
#25
2-Butanone
Concen: 99.968 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD067357.D
Acq: 22 Oct 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VD1022SBS01

Tot Ion: 43 Resp: 48852
Ion Ratio Lower Upper
43 100
72 31.4 23.7 35.5

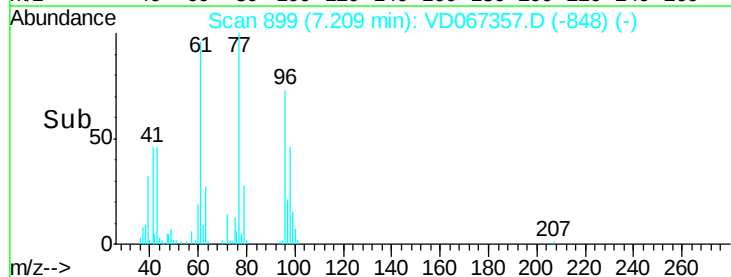
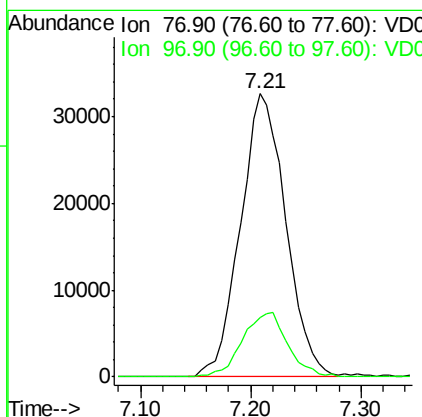
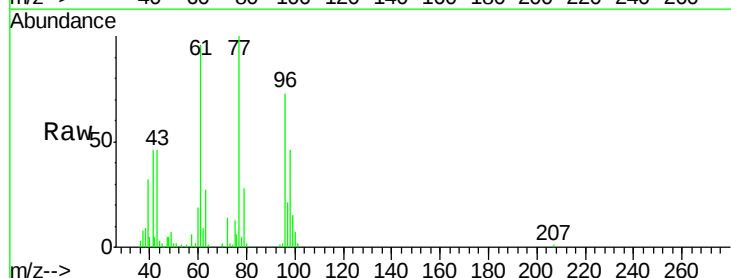
Manual Integrations
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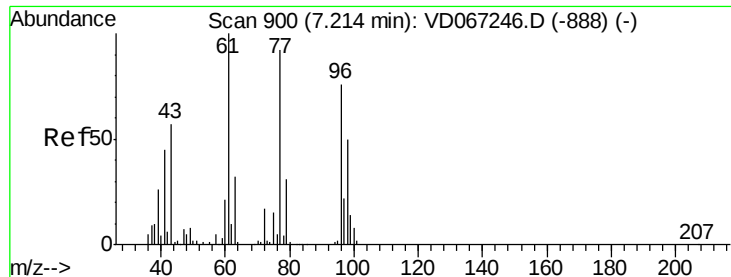
MMDadoda
10/23/2020 2:12:00 PM



#26
2,2-Dichloropropane
Concen: 20.179 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067357.D
Acq: 22 Oct 2020 12:54

Tgt Ion: 77 Resp: 93925
Ion Ratio Lower Upper
77 100
97 22.6 11.4 34.2





#27

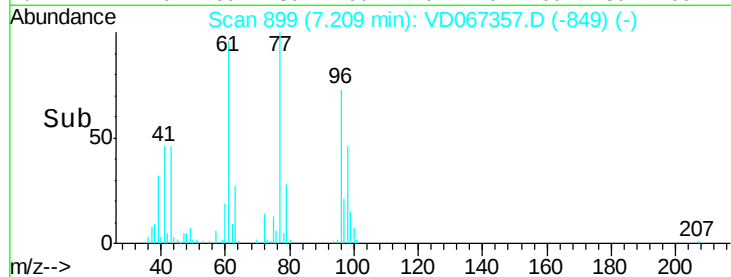
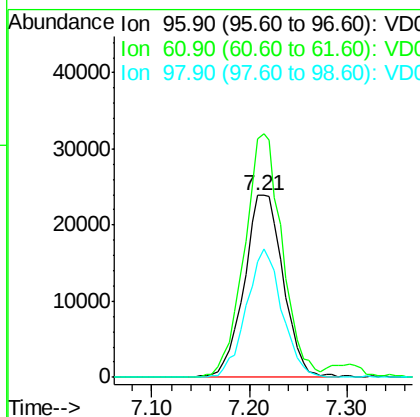
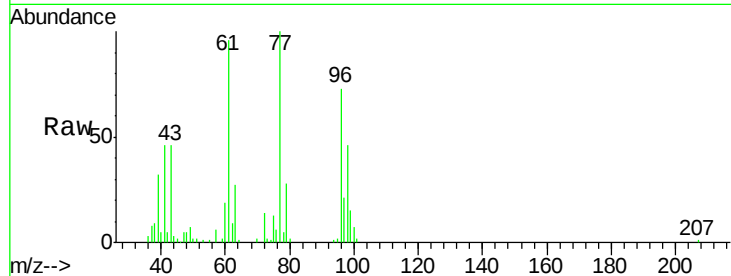
cis-1,2-Dichloroethene
Concen: 21.056 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067357.D
Acq: 22 Oct 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VD1022SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	66966		
61	129.6		0.0	255.4
98	64.3		0.0	128.0

Manual Integrations
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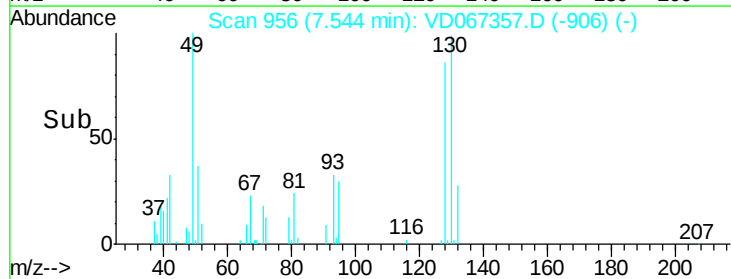
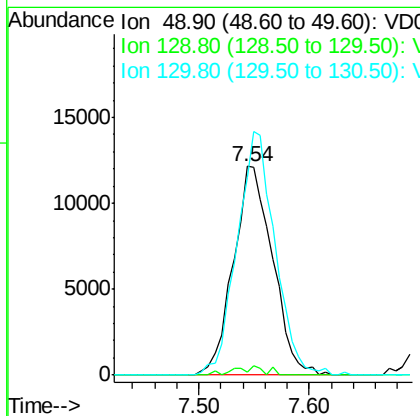
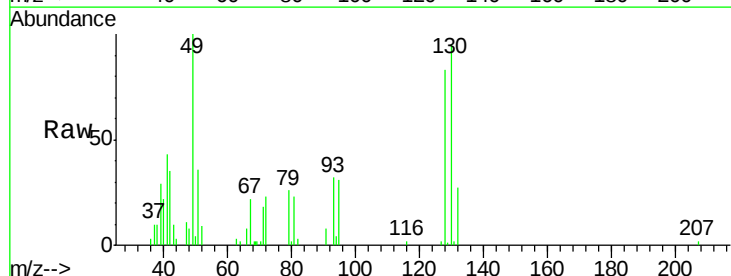
MMDadoda
10/23/2020 2:12:00 PM

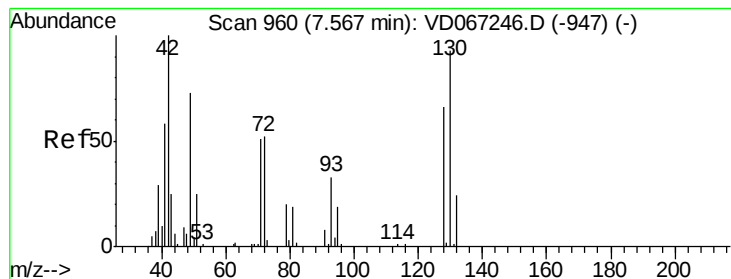


#28

Bromochloromethane
Concen: 19.724 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD067357.D
Acq: 22 Oct 2020 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	30380		
129	1.6		0.0	1.6
130	112.5		91.0	136.6





#29

Tetrahydrofuran

Concen: 110.828 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD067357.D

Acq: 22 Oct 2020 12:54

Instrument :

MSVOA_D

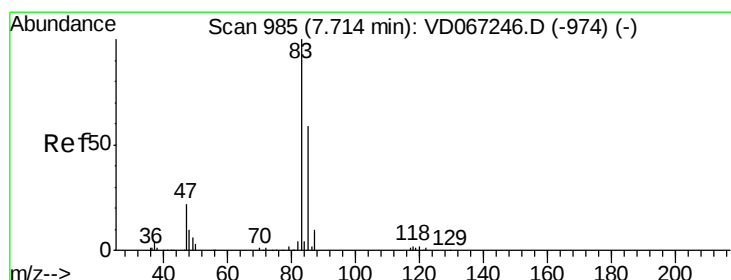
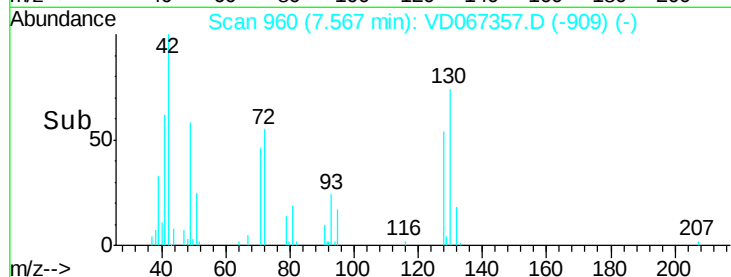
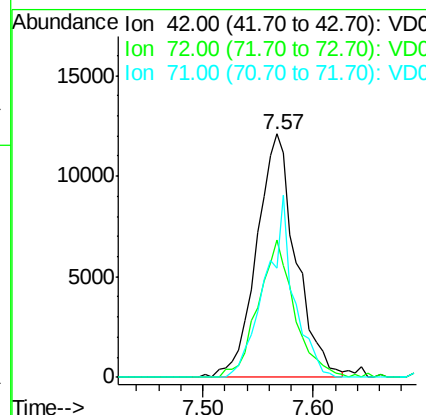
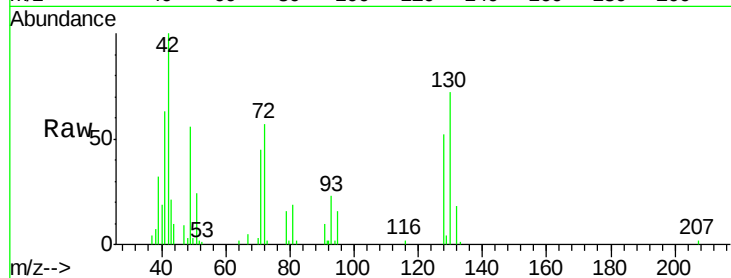
ClientSampleId :

VD1022SBS01

Tot Ion:	42	Resp:	30106
Ion	Ratio	Lower	Upper
42	100		
72	52.4	43.2	64.8
71	54.5	39.4	59.0

Manual Integrations
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#30

Chloroform

Concen: 20.479 ug/l

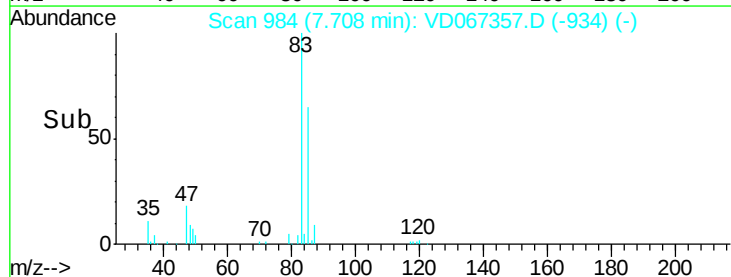
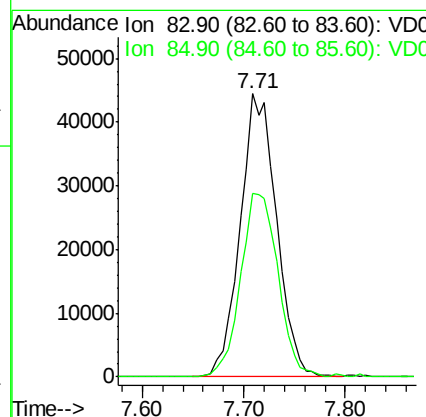
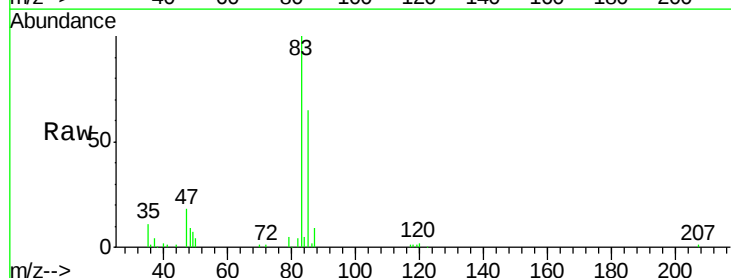
RT: 7.71 min Scan# 984

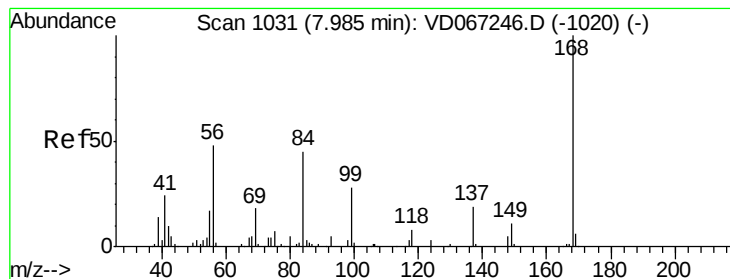
Delta R.T. -0.01 min

Lab File: VD067357.D

Acq: 22 Oct 2020 12:54

Tgt Ion:	83	Resp:	110474
Ion	Ratio	Lower	Upper
83	100		
85	65.0	47.3	70.9





#31

Cyclohexane

Concen: 19.492 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD067357.D

Acq: 22 Oct 2020 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD1022SBS01

Tot Ion: 56 Resp: 68722

Ion Ratio Lower Upper

56 100

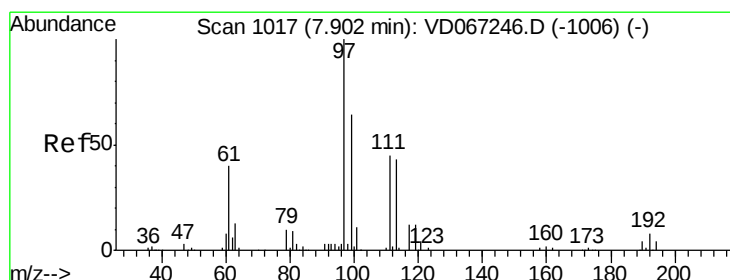
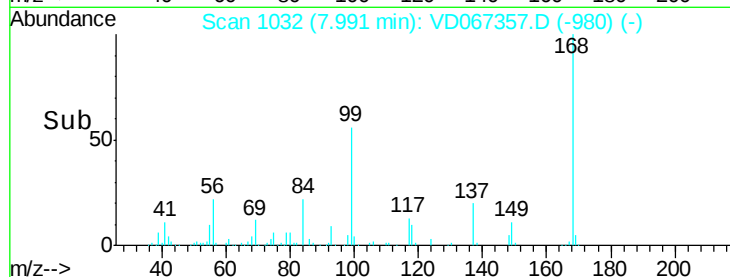
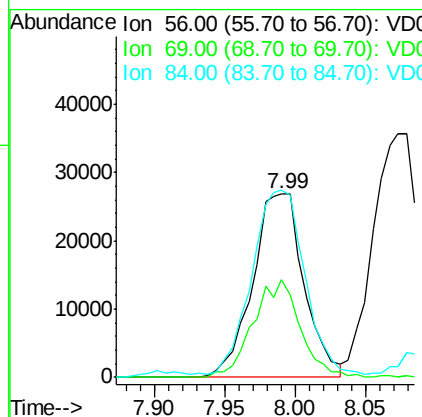
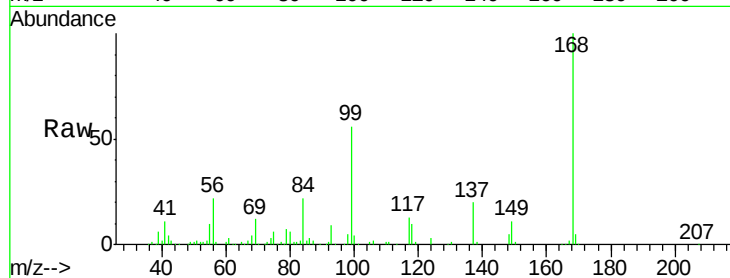
69 53.1 29.8 44.6#

84 100.3 76.6 114.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.219 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VD067357.D

Acq: 22 Oct 2020 12:54

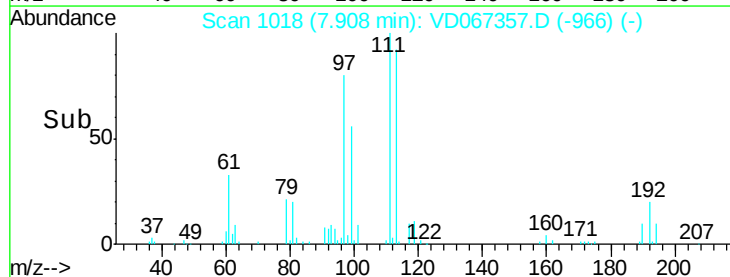
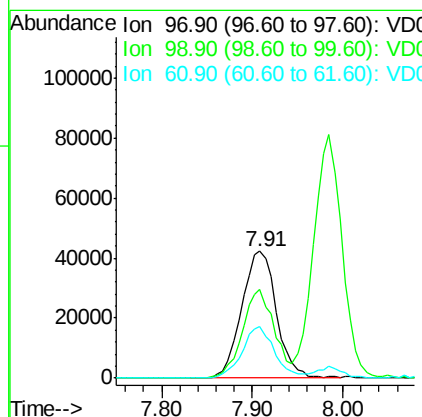
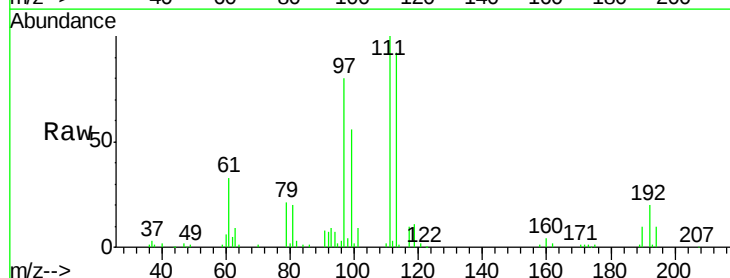
Tgt Ion: 97 Resp: 112308

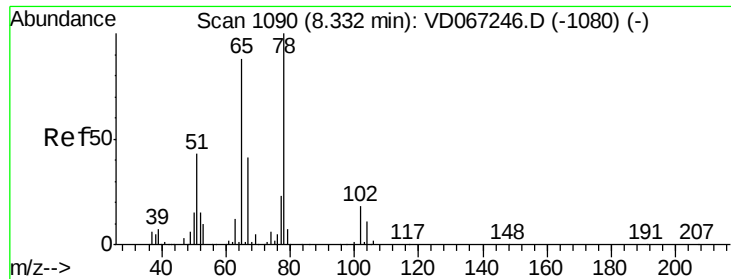
Ion Ratio Lower Upper

97 100

99 64.5 50.2 75.4

61 37.8 30.5 45.7





#33

1,2-Dichloroethane-d4

Concen: 52.454 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067357.D

Acq: 22 Oct 2020 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD1022SBS01

Tot Ion: 65 Resp: 160564

Ion Ratio Lower Upper

65 100

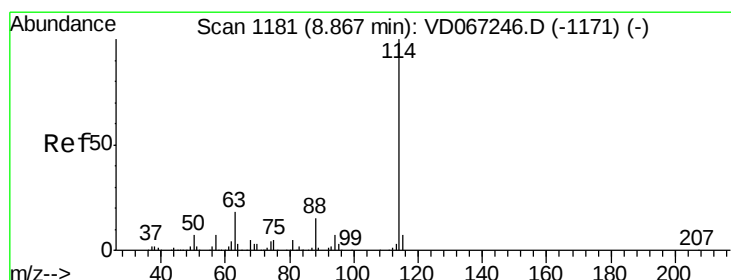
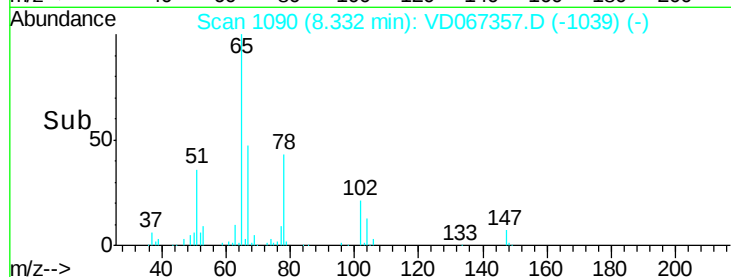
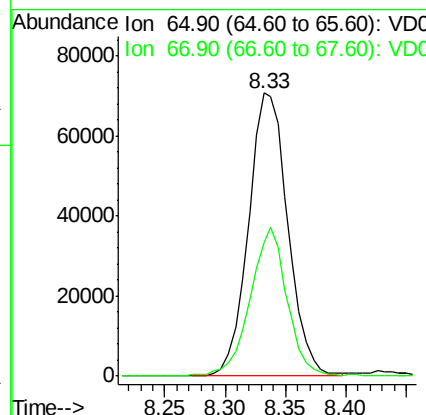
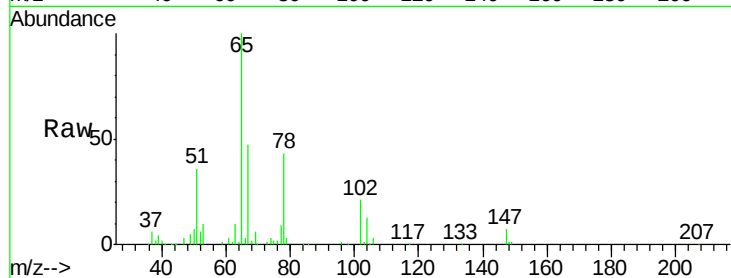
67 49.2 0.0 103.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067357.D

Acq: 22 Oct 2020 12:54

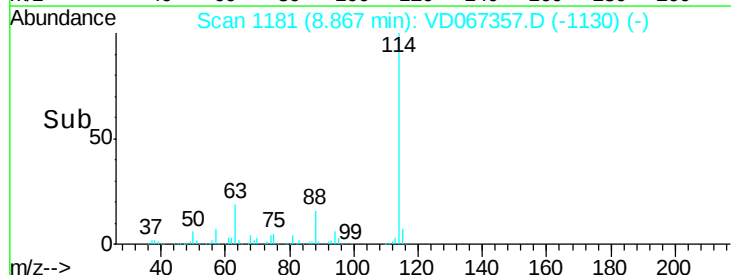
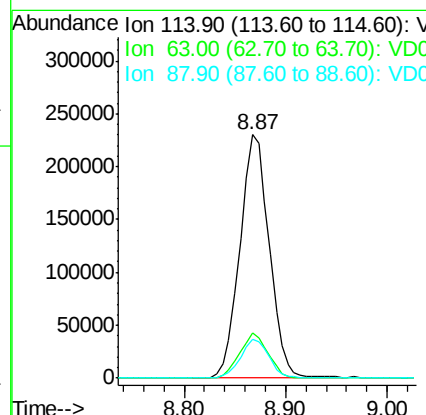
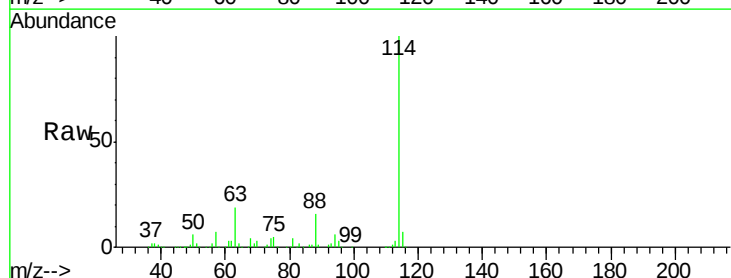
Tgt Ion: 114 Resp: 463564

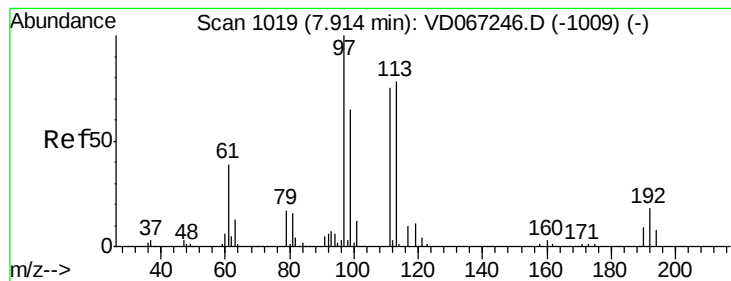
Ion Ratio Lower Upper

114 100

63 18.8 0.0 35.0

88 16.2 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.991 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067357.D

Acq: 22 Oct 2020 12:54

Instrument :

MSVOA_D

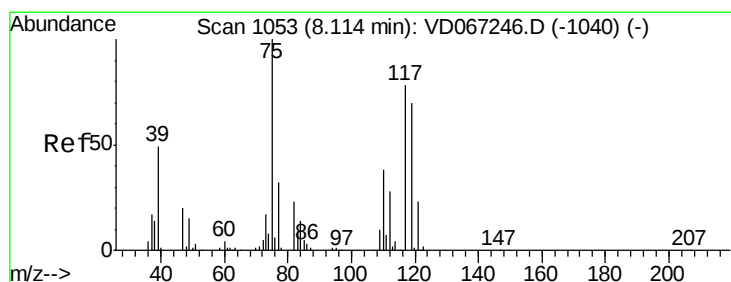
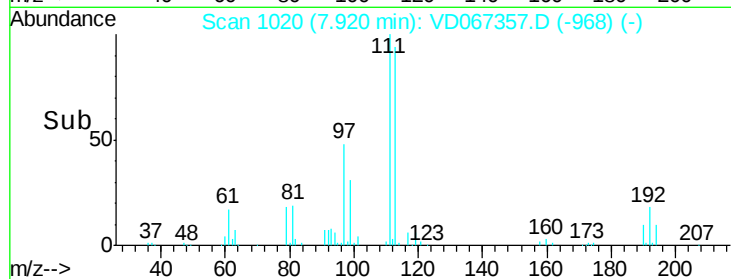
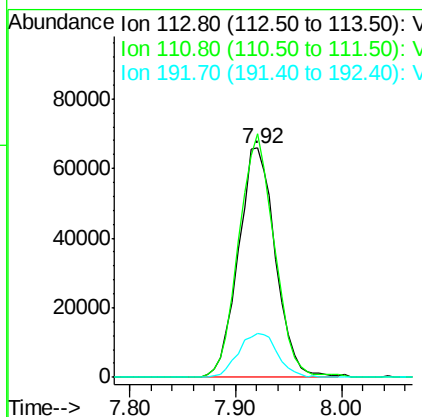
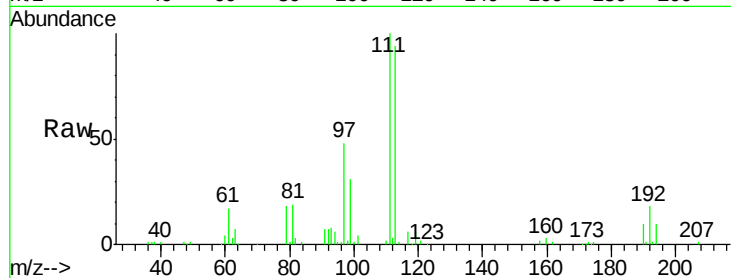
ClientSampleId :

VD1022SBS01

Tot Ion:	113	Resp:	160392
Ion Ratio	Lower	Upper	
113	100		
111	101.8	81.6	122.4
192	20.4	17.0	25.4

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.125 ug/l

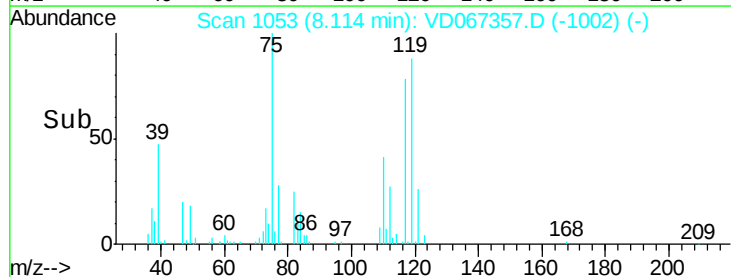
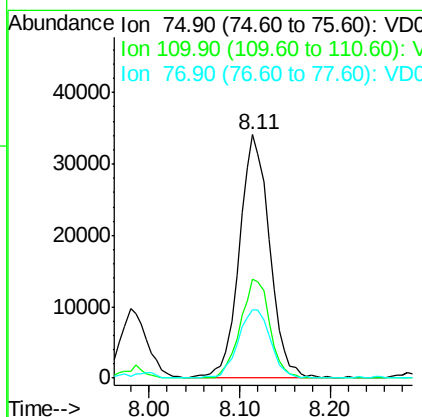
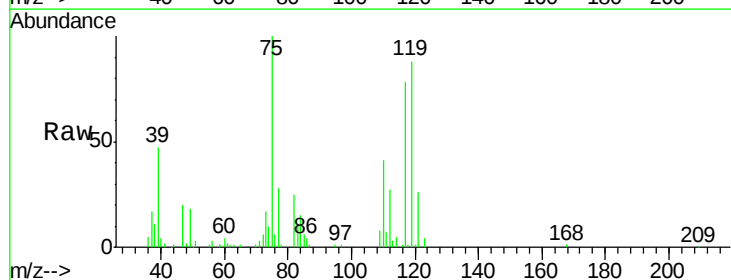
RT: 8.11 min Scan# 1053

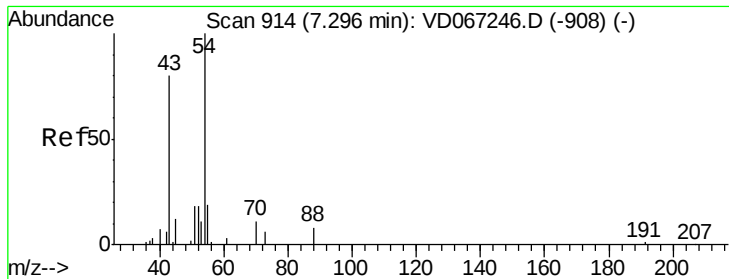
Delta R.T. 0.00 min

Lab File: VD067357.D

Acq: 22 Oct 2020 12:54

Tgt Ion:	75	Resp:	79072
Ion Ratio	Lower	Upper	
75	100		
110	39.2	19.6	58.7
77	30.0	24.6	37.0





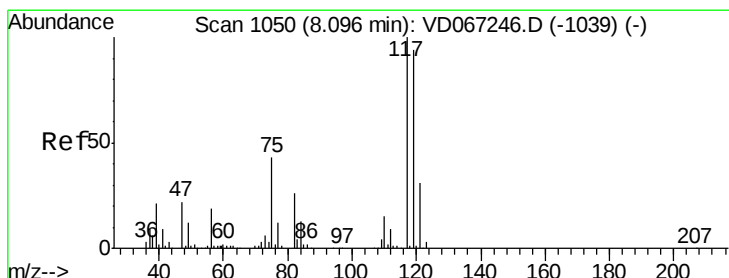
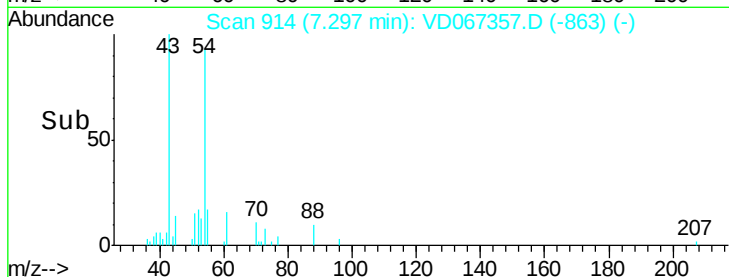
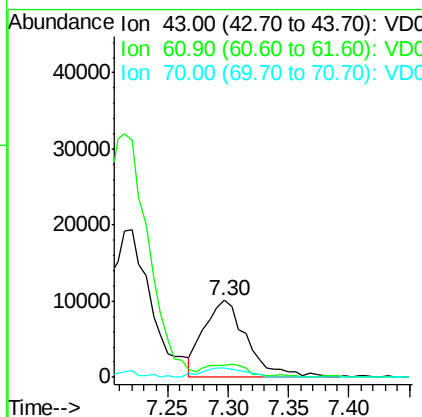
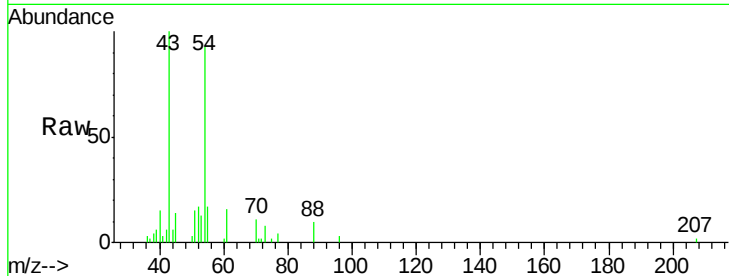
#37
Ethyl Acetate
Concen: 21.687 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067357.D
Acq: 22 Oct 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VD1022SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	15.6	23.4#
70	12.4	10.4	15.6

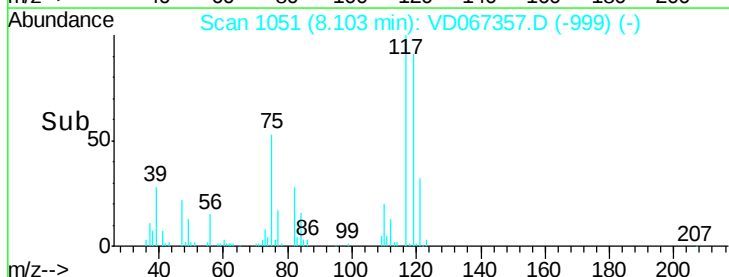
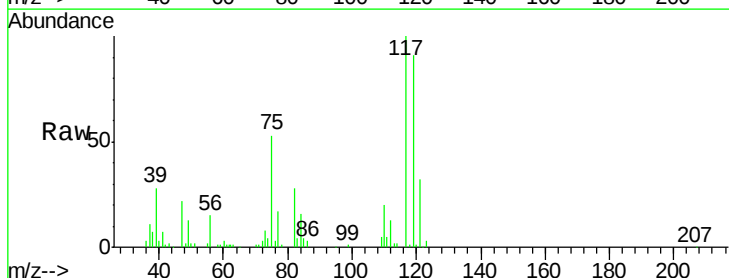
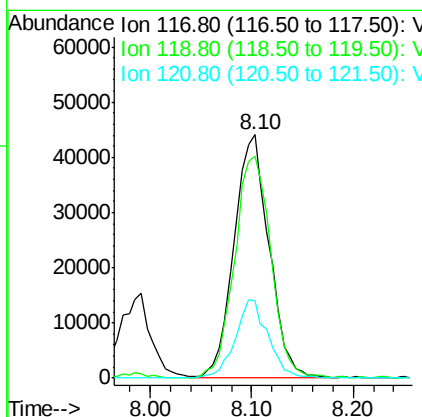
Manual Integrations
APPROVED

MMDadoda
10/23/2020 2:12:00 PM



#38
Carbon Tetrachloride
Concen: 21.216 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD067357.D
Acq: 22 Oct 2020 12:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.3	75.0	112.4
121	31.6	24.9	37.3





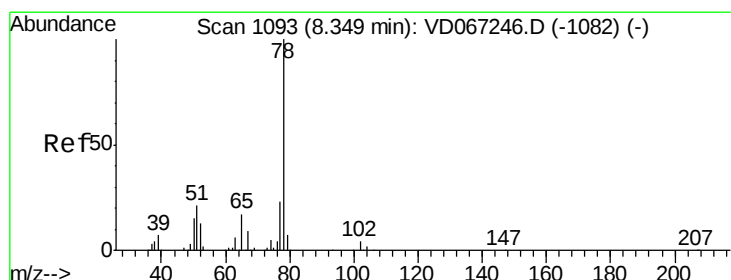
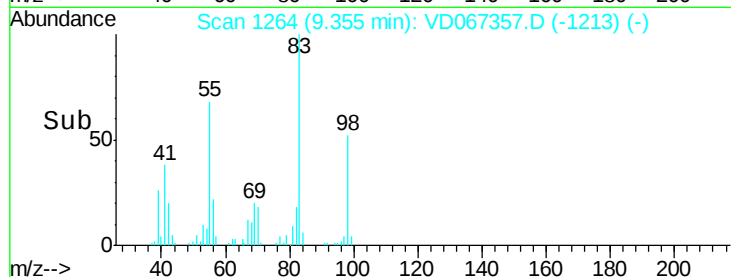
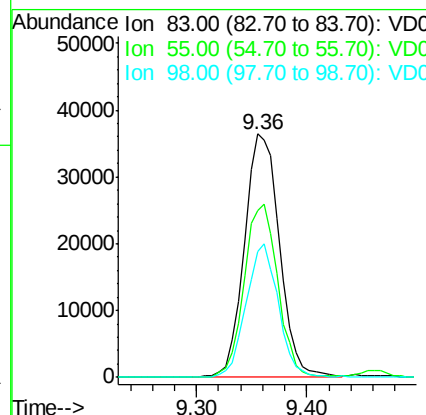
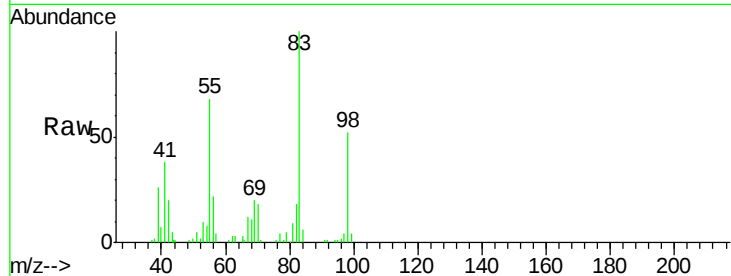
#39
Methvlcvclohexane
Concen: 19.856 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067357.D
Acq: 22 Oct 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VD1022SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.3	53.3	79.9
98	51.9	41.0	61.4

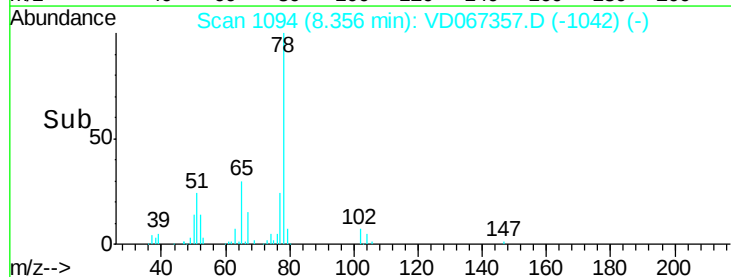
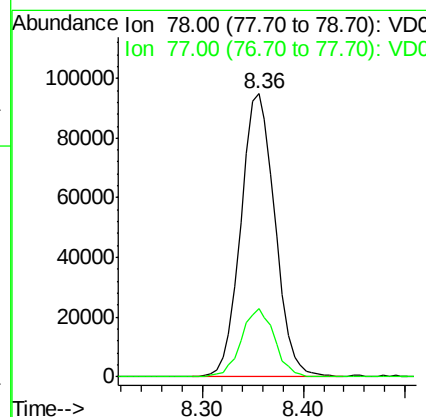
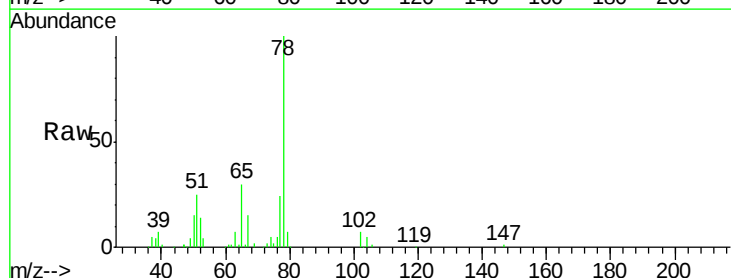
Manual Integrations
APPROVED

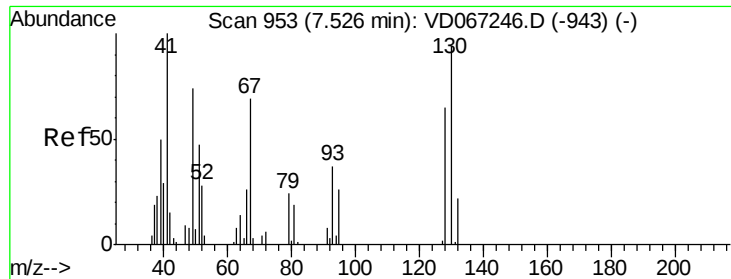
MMDadoda
10/23/2020 2:12:00 PM



#40
Benzene
Concen: 20.553 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067357.D
Acq: 22 Oct 2020 12:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.3	27.5





#41

Methacrylonitrile

Concen: 16.322 ug/l

RT: 7.53 min Scan# 953

Delta R.T. 0.00 min

Lab File: VD067357.D

Acq: 22 Oct 2020 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD1022SBS01

Tot Ion: 41 Resp: 10196

Ion Ratio Lower Upper

41 100

39 0.0 60.0 90.0#

67 127.1 88.9 133.3

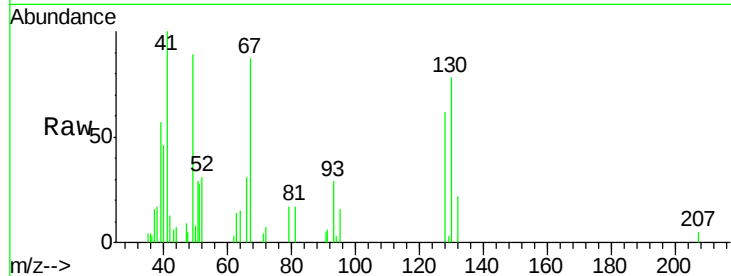
52 53.3 36.9 55.3

Manual Integrations

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10/23/2020 2:12:00 PM

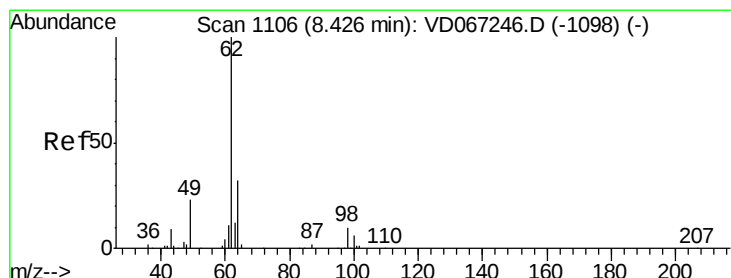
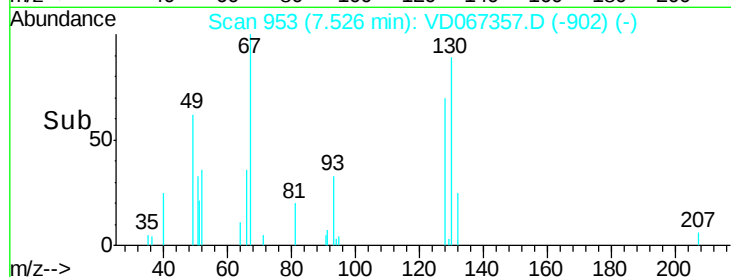
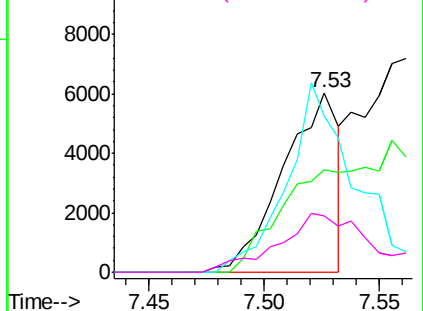


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 21.694 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067357.D

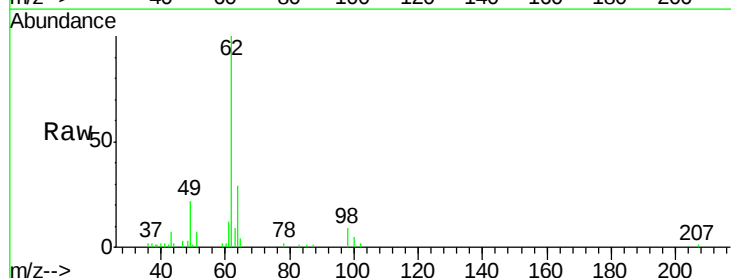
Acq: 22 Oct 2020 12:54

Tgt Ion: 62 Resp: 73178

Ion Ratio Lower Upper

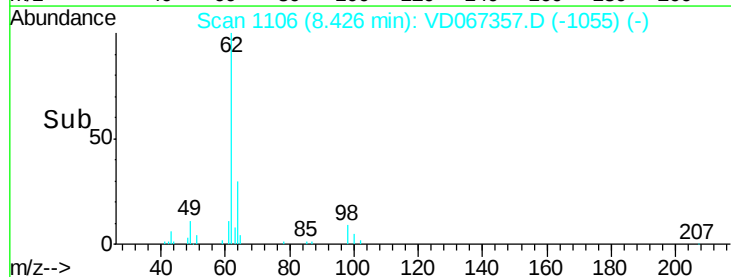
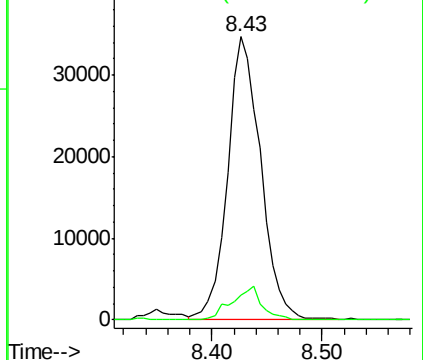
62 100

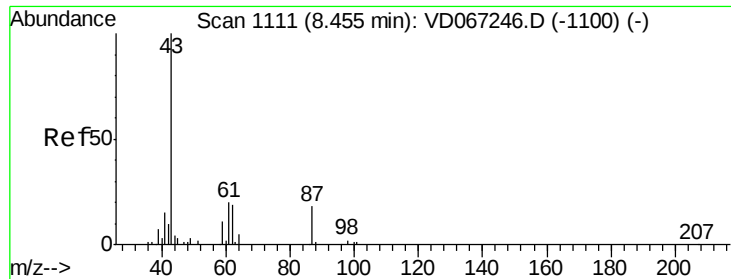
98 10.7 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





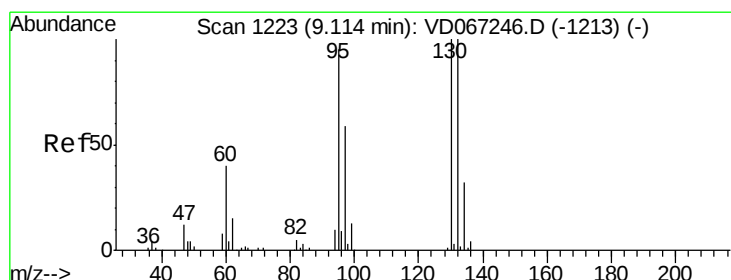
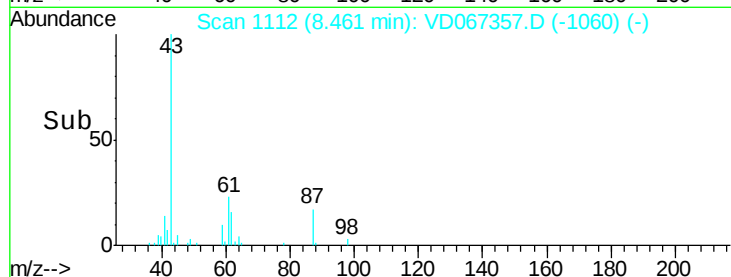
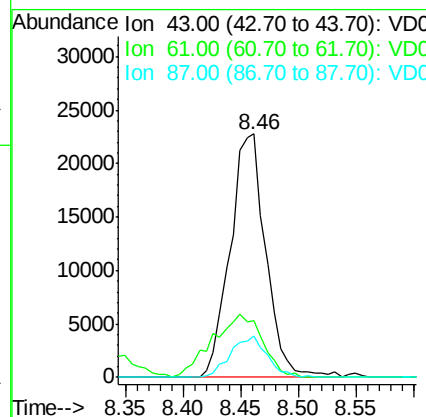
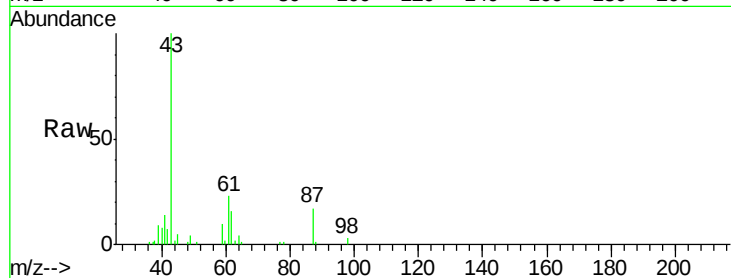
#43
Isopropyl Acetate
Concen: 21.261 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD067357.D
Acq: 22 Oct 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VD1022SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	36.5	29.5	44.3
87	17.4	14.2	21.4

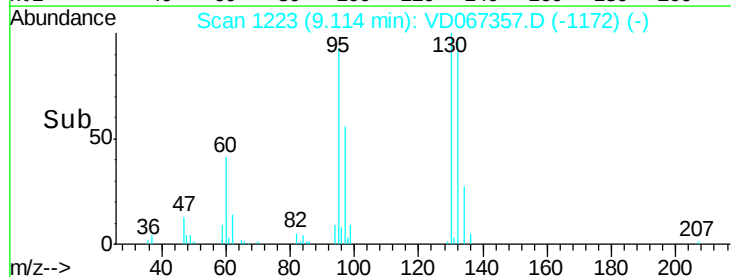
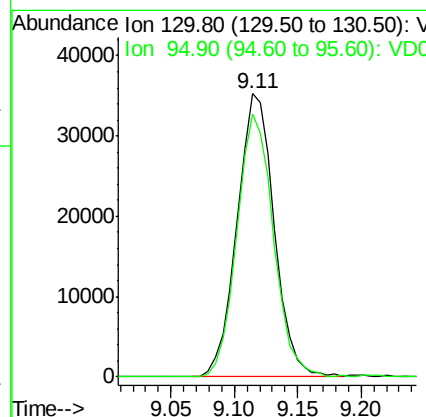
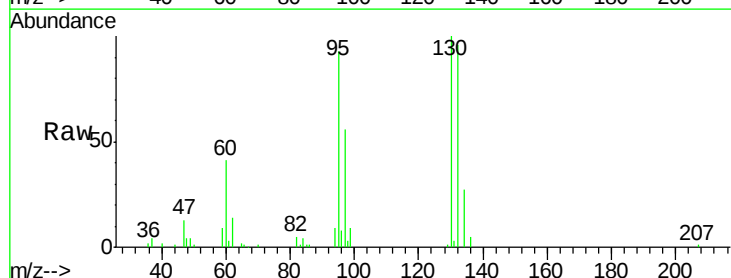
Manual Integrations
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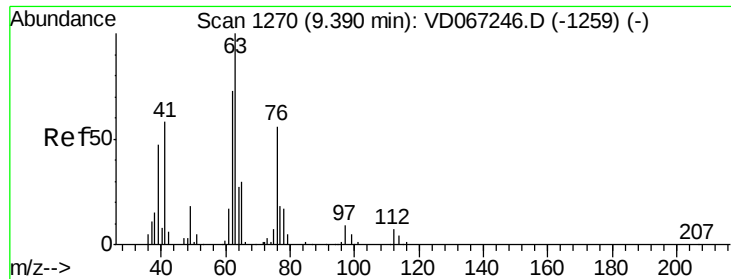
MMDadoda
10/23/2020 2:12:00 PM



#44
Trichloroethene
Concen: 20.741 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD067357.D
Acq: 22 Oct 2020 12:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.8	0.0	190.6





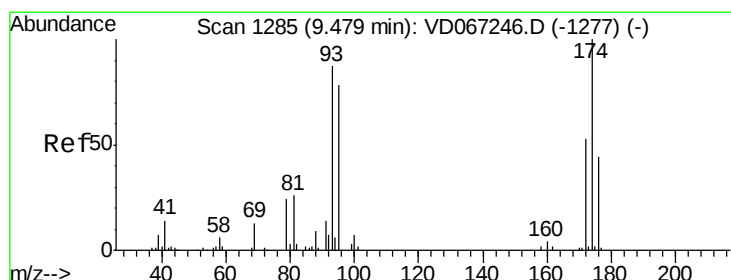
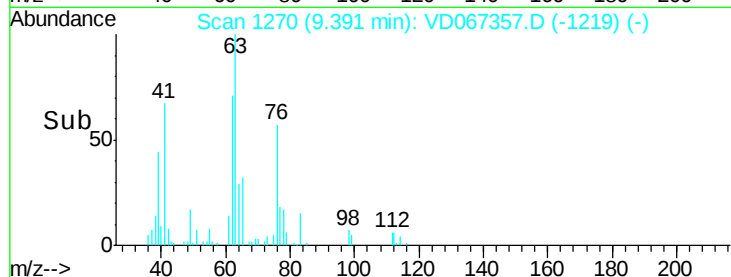
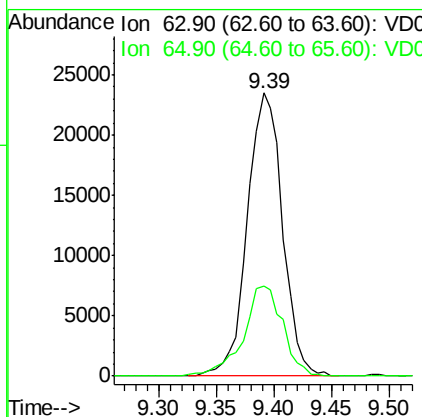
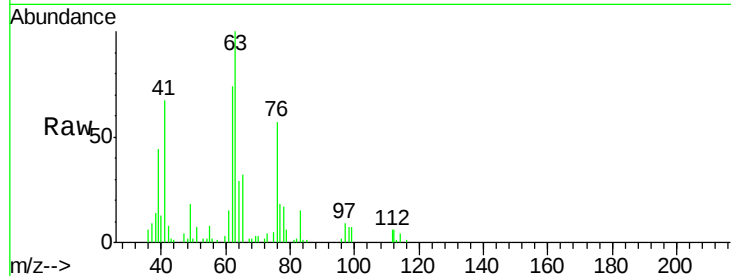
#45
 1,2-Dichloropropane
 Concen: 20.024 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067357.D
 Acq: 22 Oct 2020 12:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1022SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	24.6	36.8

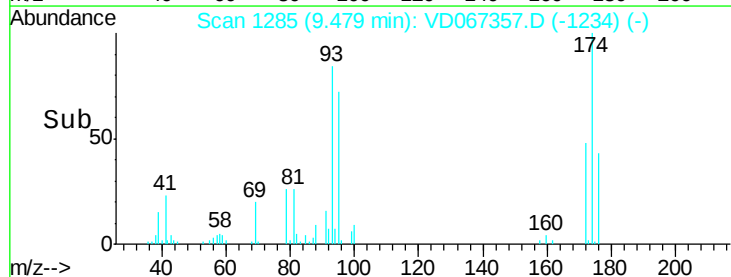
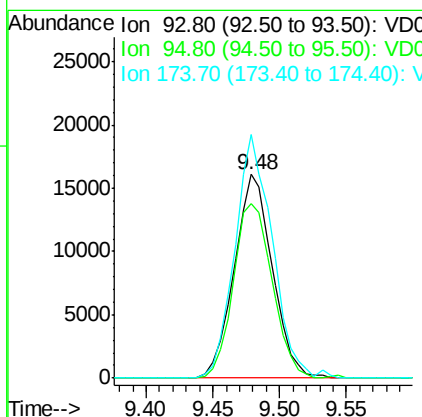
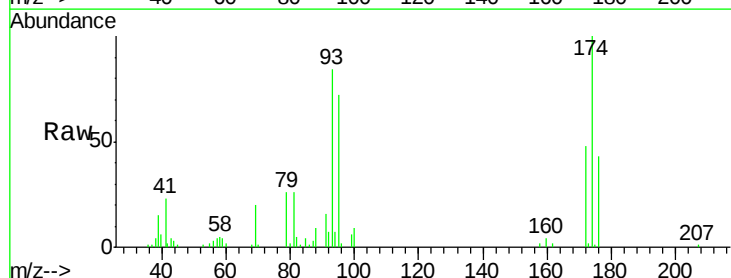
Manual Integrations
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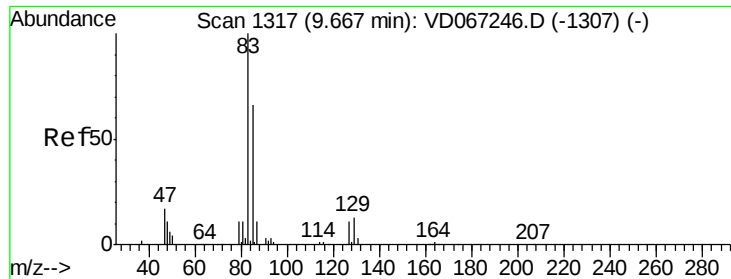
MMDadoda
 10/23/2020 2:12:00 PM



#46
 Dibromomethane
 Concen: 20.439 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067357.D
 Acq: 22 Oct 2020 12:54

Tgt Ion	Ratio	Lower	Upper
93	100		
95	87.4	68.0	102.0
174	118.0	91.8	137.6





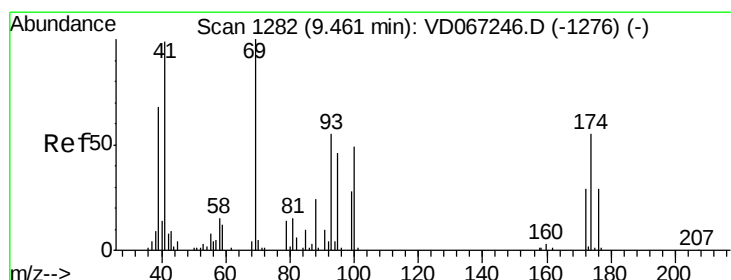
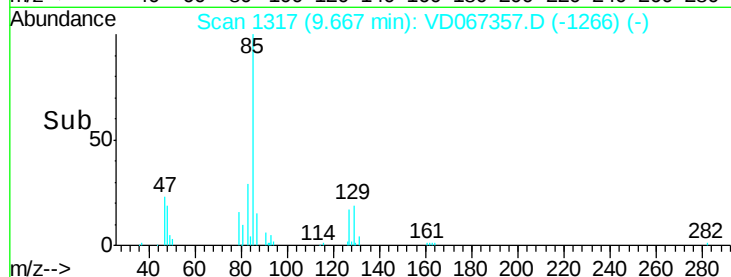
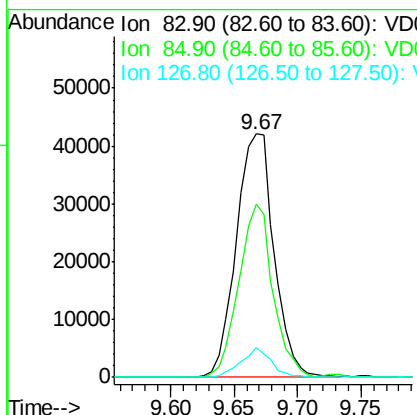
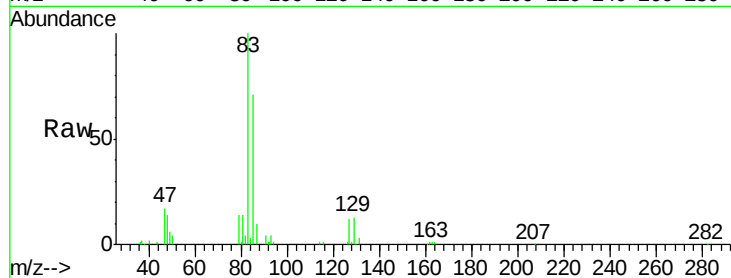
#47
Bromodichloromethane
Concen: 20.905 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD067357.D
Acq: 22 Oct 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VD1022SBS01

Tot Ion	83	Resp	87173
Ion Ratio	100	Lower	Upper
83	100		
85	71.3	53.1	79.7
127	12.4	8.6	13.0

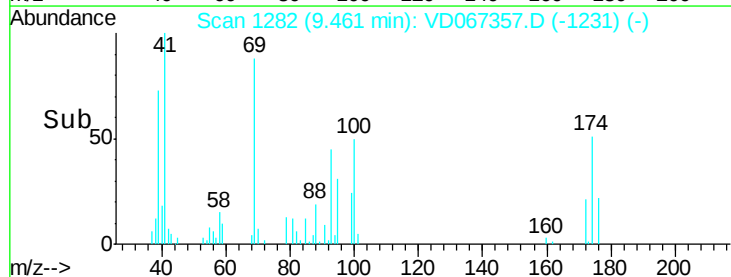
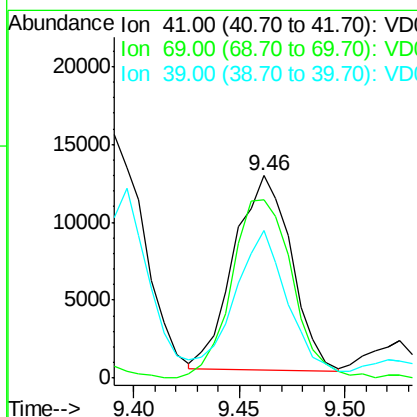
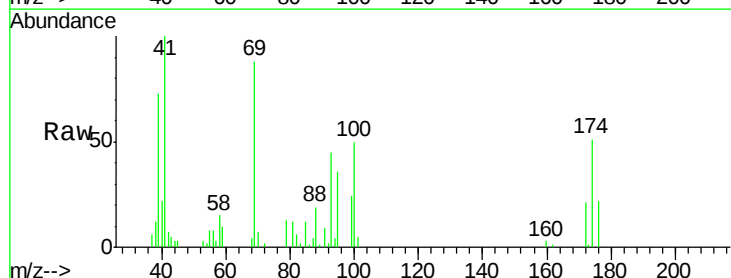
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10/23/2020 2:12:00 PM



#48
Methyl methacrylate
Concen: 21.009 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067357.D
Acq: 22 Oct 2020 12:54

Tgt Ion	41	Resp	23419
Ion Ratio	100	Lower	Upper
41	100		
69	97.6	89.0	133.6
39	65.5	60.2	90.2





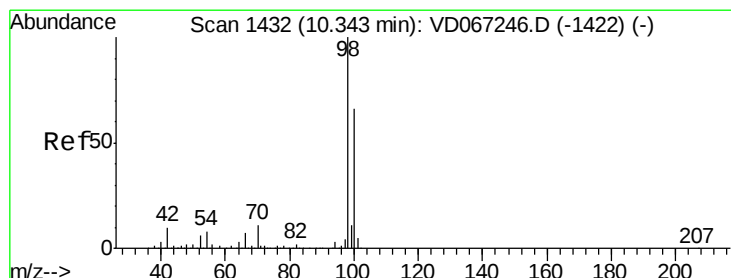
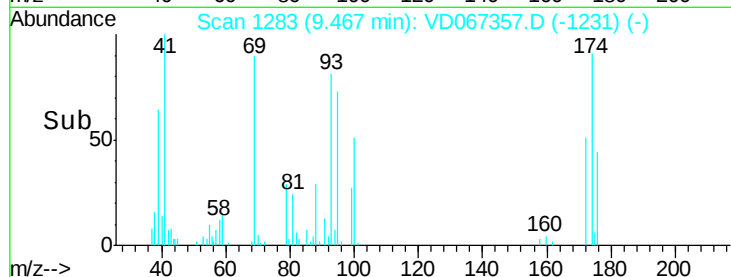
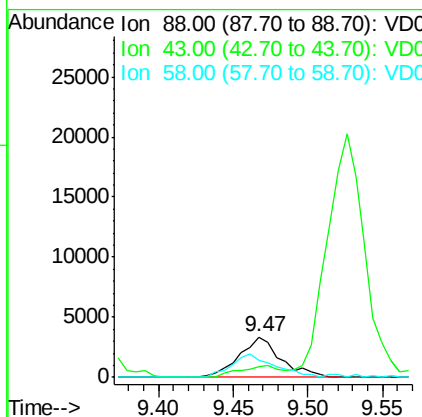
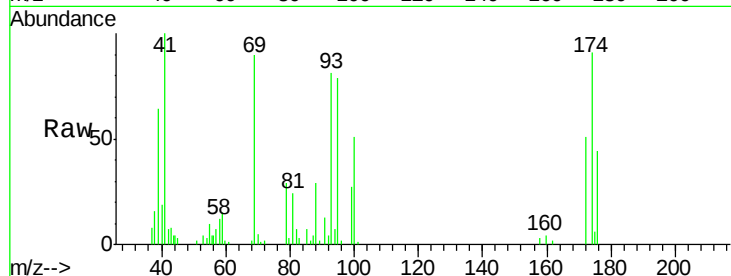
#49
1,4-Dioxane
Concen: 414.429 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD067357.D
Acq: 22 Oct 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VD1022SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.9	23.9	35.9
58	59.3	51.0	76.6

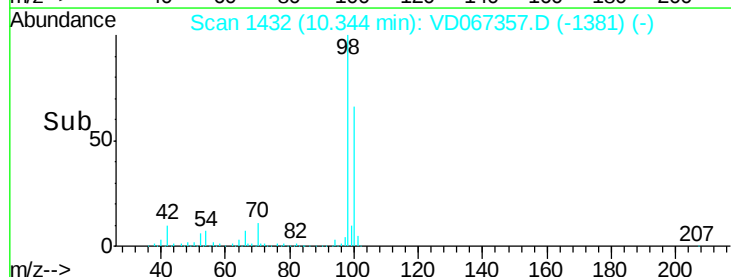
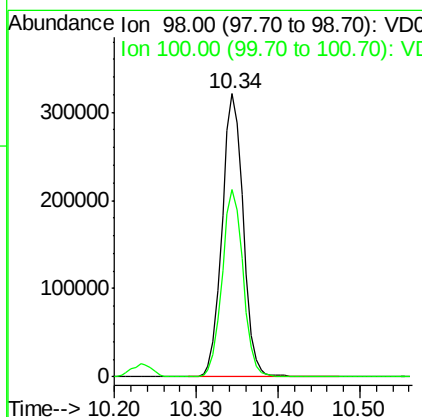
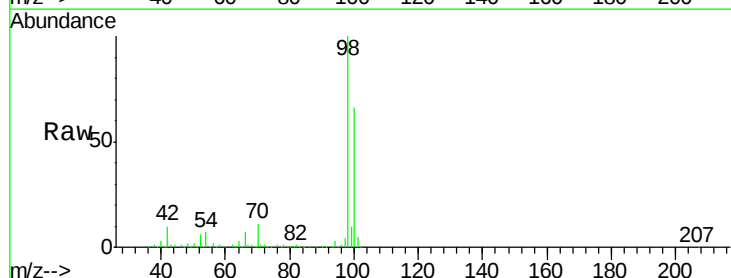
Manual Integrations
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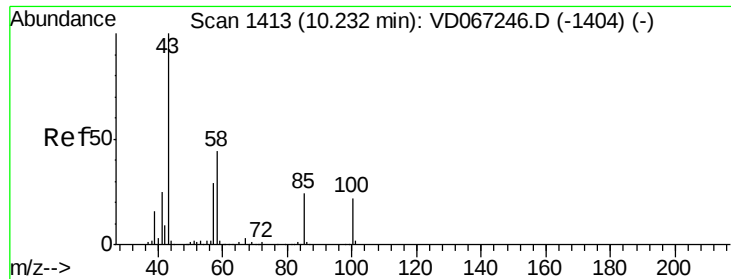
MMDadoda
10/23/2020 2:12:00 PM



#50
Toluene-d8
Concen: 51.870 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067357.D
Acq: 22 Oct 2020 12:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 104.790 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067357.D

Acq: 22 Oct 2020 12:54

Instrument :

MSVOA_D

ClientSampleID :

VD1022SBS01

Tot Ion: 43 Resp: 119887

Ion Ratio Lower Upper

43 100

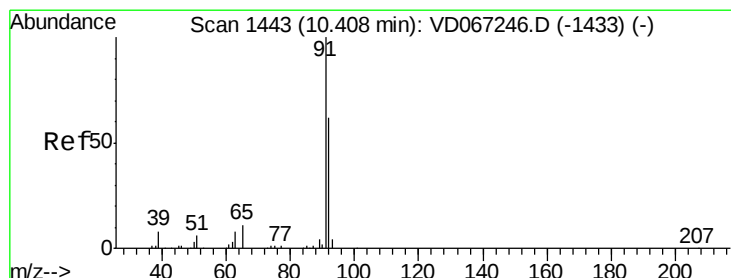
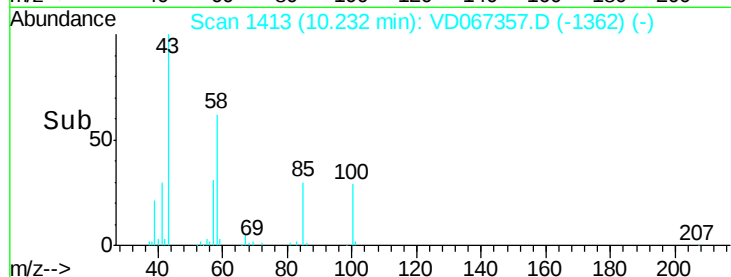
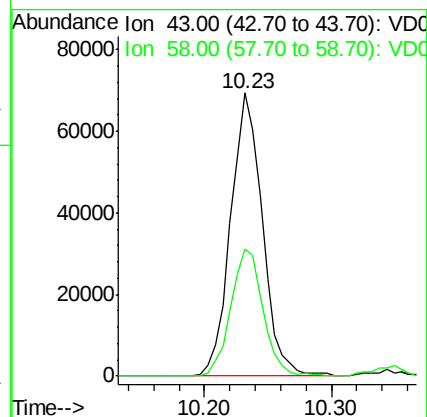
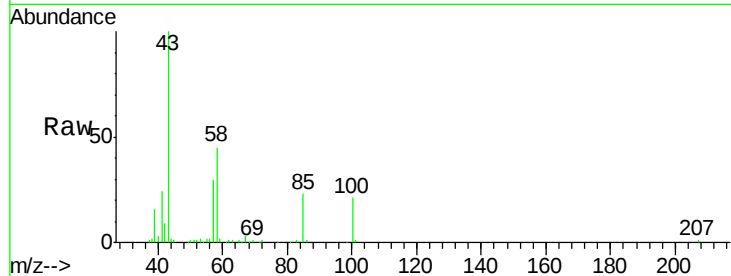
58 45.6 35.7 53.5

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#52

Toluene

Concen: 21.419 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067357.D

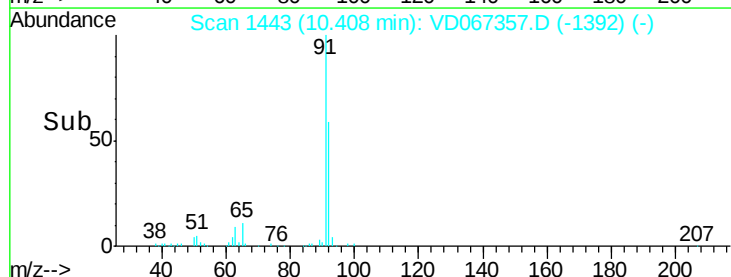
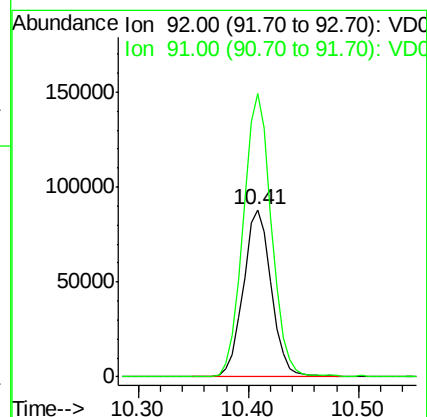
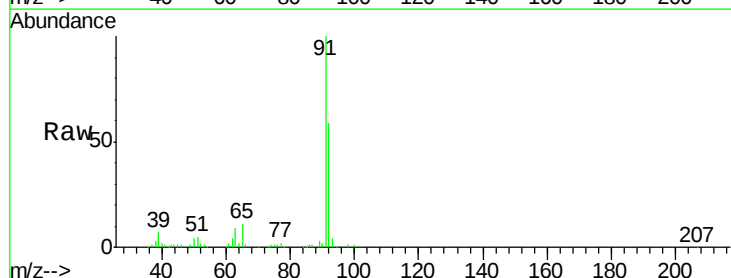
Acq: 22 Oct 2020 12:54

Tgt Ion: 92 Resp: 157245

Ion Ratio Lower Upper

92 100

91 170.6 133.8 200.8





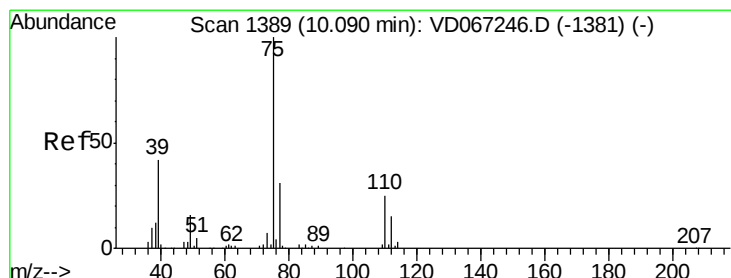
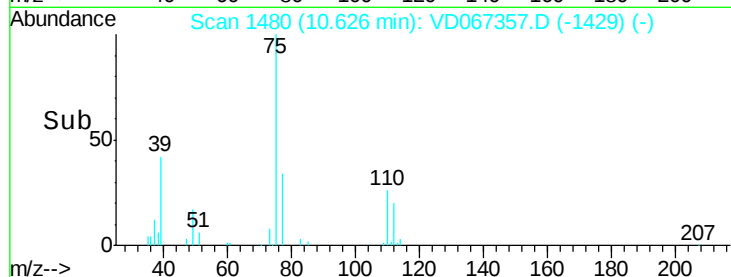
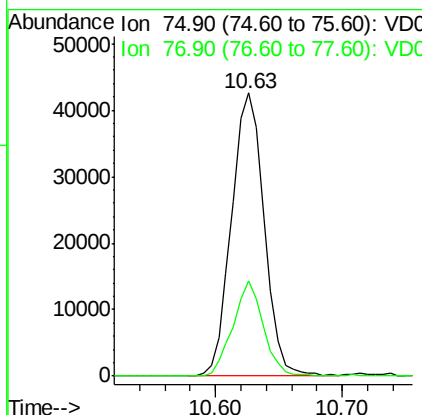
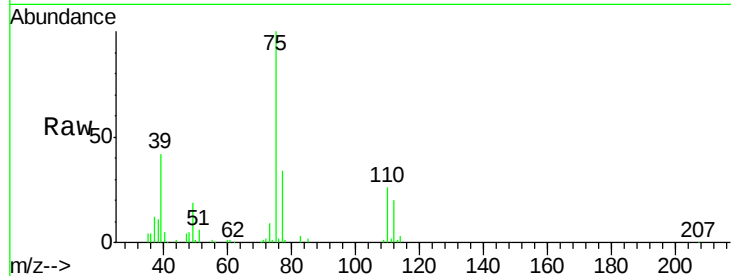
#53
t-1,3-Dichloropropene
Concen: 20.734 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067357.D
Acq: 22 Oct 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VD1022SBS01

Tot Ion: 75 Resp: 75952
Ion Ratio Lower Upper
75 100
77 33.6 26.5 39.7

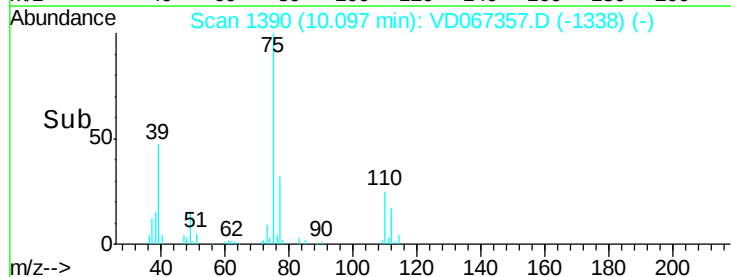
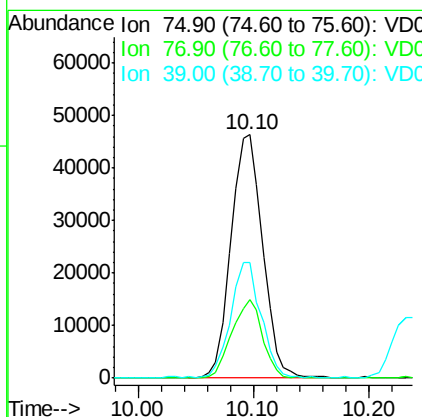
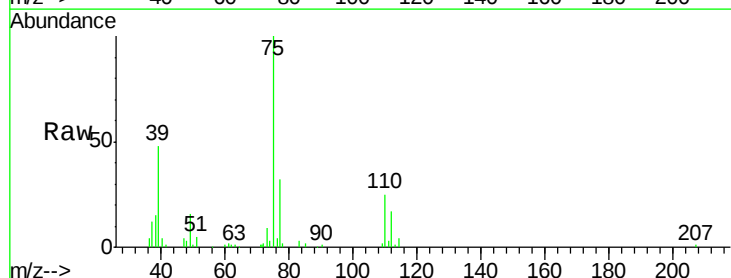
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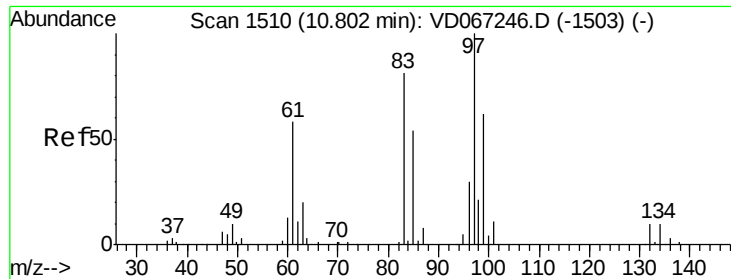
MMDadoda
10/23/2020 2:12:00 PM



#54
cis-1,3-Dichloropropene
Concen: 20.575 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.01 min
Lab File: VD067357.D
Acq: 22 Oct 2020 12:54

Tgt Ion: 75 Resp: 88207
Ion Ratio Lower Upper
75 100
77 32.2 24.5 36.7
39 47.6 33.7 50.5





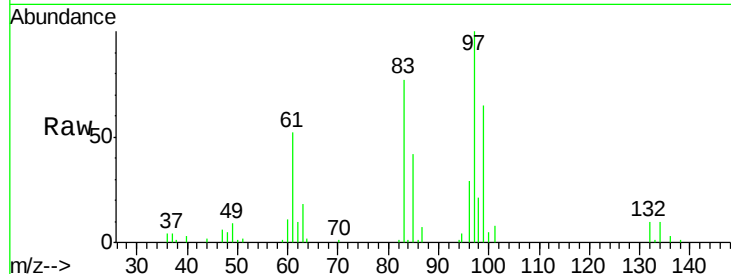
#55
 1,1,2-Trichloroethane
 Concen: 21.717 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD067357.D
 Acq: 22 Oct 2020 12:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1022SBS01

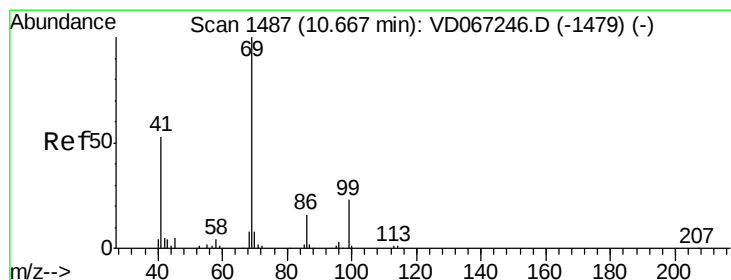
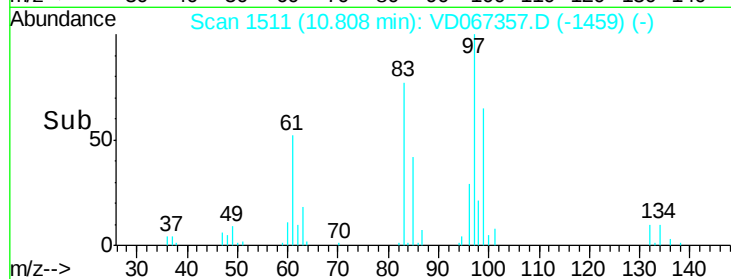
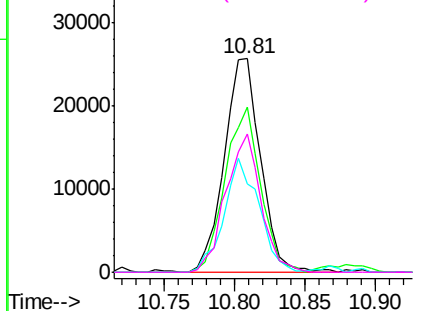
Tot Ion:	97	Resp:	46093
Ion	Ratio	Lower	Upper
97	100		
83	77.3	64.9	97.3
85	41.6	43.3	64.9#
99	65.0	49.1	73.7

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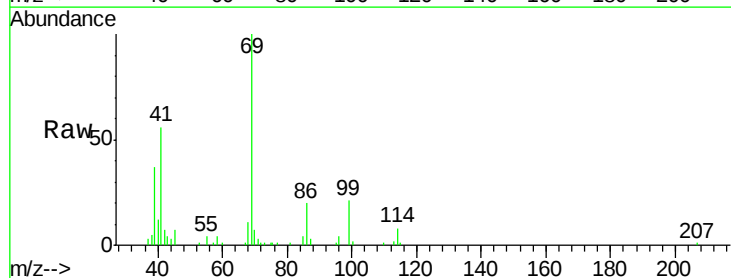


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

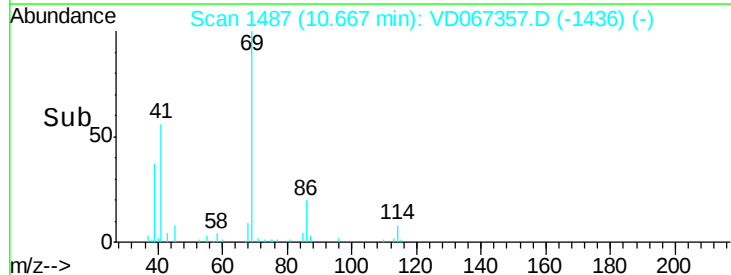
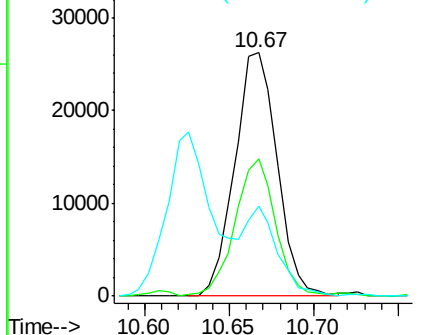


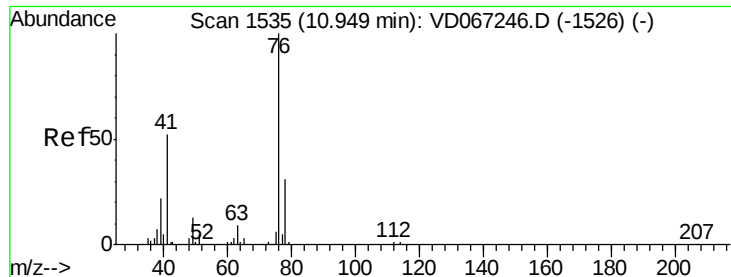
#56
 Ethyl methacrylate
 Concen: 20.884 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD067357.D
 Acq: 22 Oct 2020 12:54

Tgt Ion:	69	Resp:	45970
Ion	Ratio	Lower	Upper
69	100		
41	53.9	44.7	67.1
39	27.1	26.2	39.2



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





#57

1,3-Dichloropropane

Concen: 20.964 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067357.D

Acq: 22 Oct 2020 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD1022SBSD01

Tot Ion: 76 Resp: 70810

Ion Ratio Lower Upper

76 100

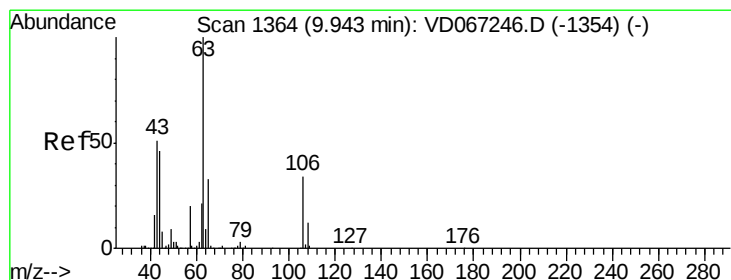
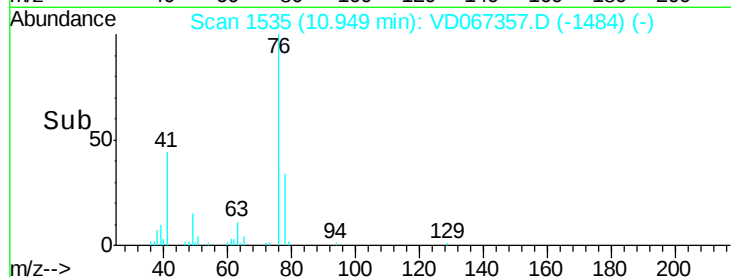
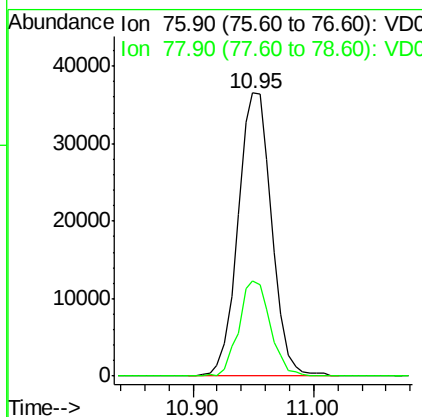
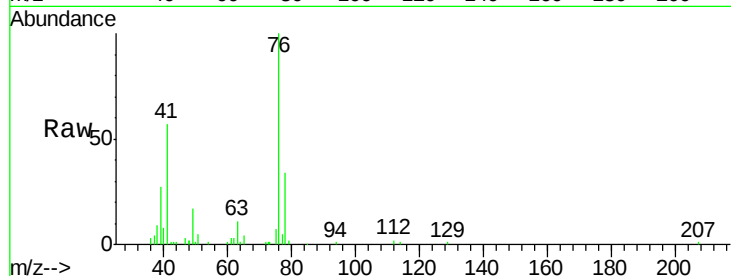
78 31.5 26.8 40.2

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#58

2-Chloroethyl Vinyl ether

Concen: 107.293 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067357.D

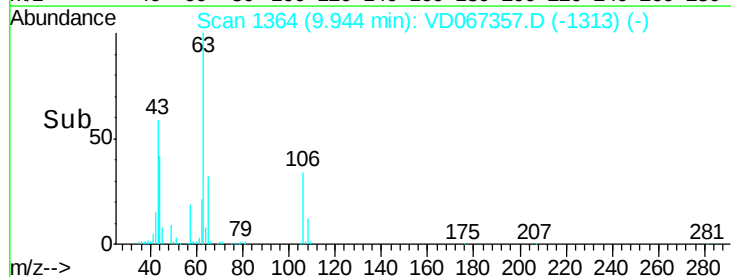
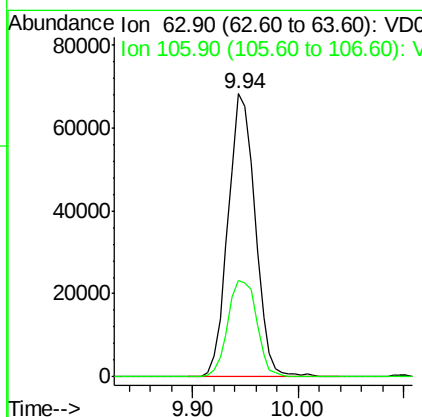
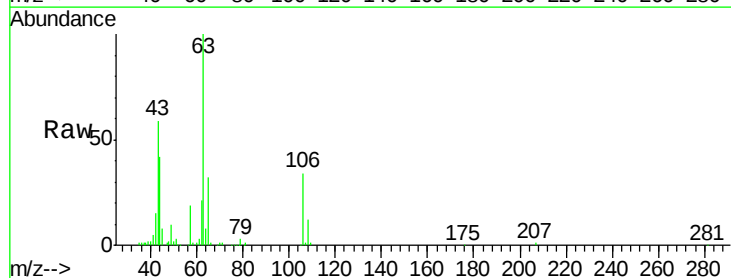
Acq: 22 Oct 2020 12:54

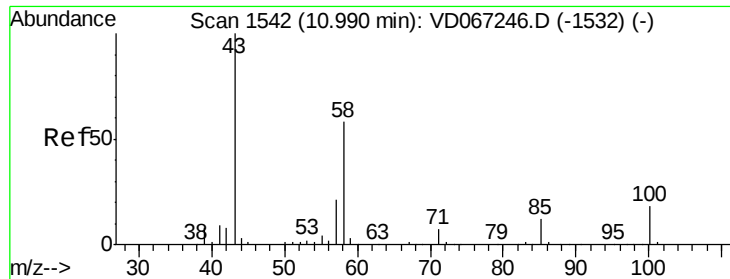
Tgt Ion: 63 Resp: 121154

Ion Ratio Lower Upper

63 100

106 36.1 27.8 41.6





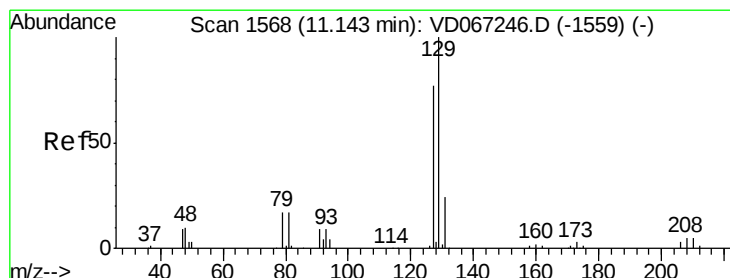
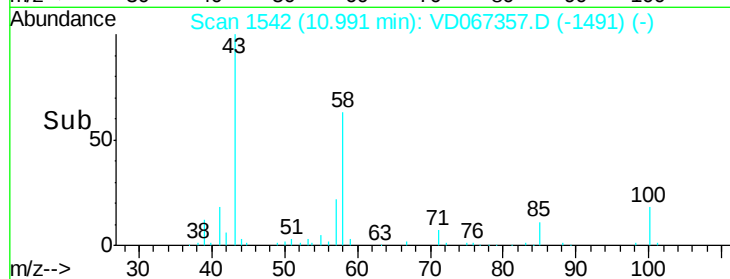
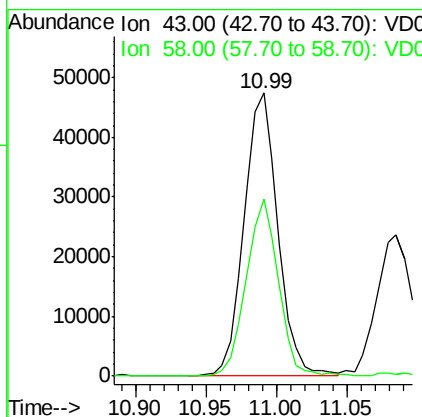
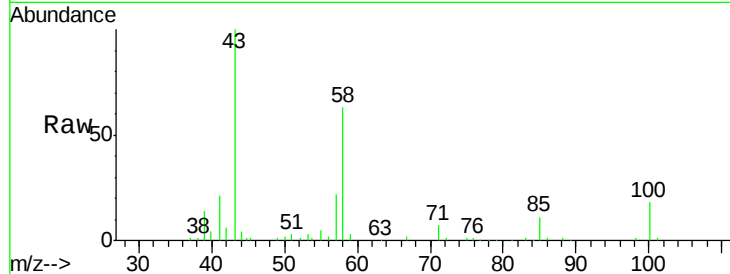
#59
2-Hexanone
Concen: 102.059 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067357.D
Acq: 22 Oct 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VD1022SBS01

Tot Ion: 43 Resp: 79787
Ion Ratio Lower Upper
43 100
58 59.5 29.3 87.9

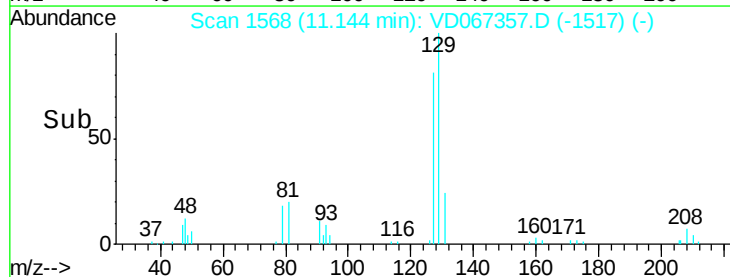
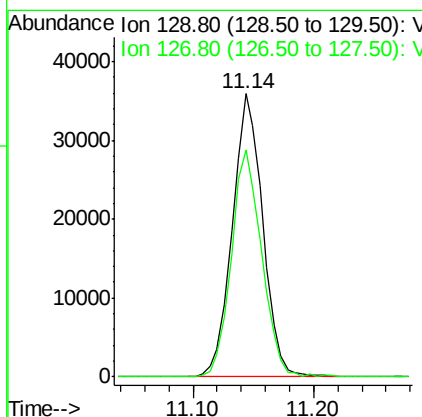
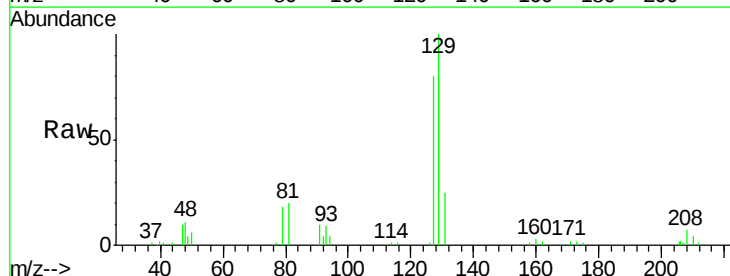
Manual Integrations
APPROVED

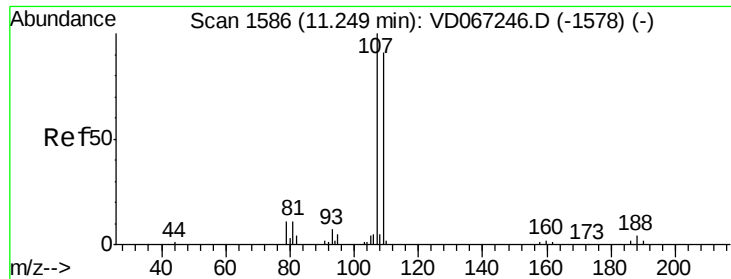
MMDadoda
10/23/2020 2:12:00 PM



#60
Dibromochloromethane
Concen: 20.326 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067357.D
Acq: 22 Oct 2020 12:54

Tgt Ion: 129 Resp: 62914
Ion Ratio Lower Upper
129 100
127 79.8 38.3 114.8





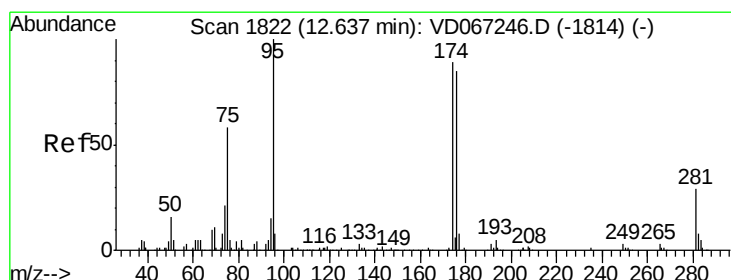
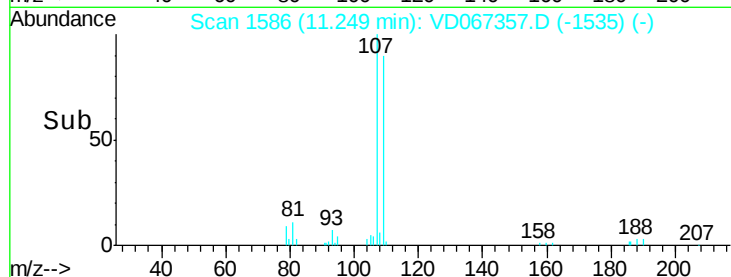
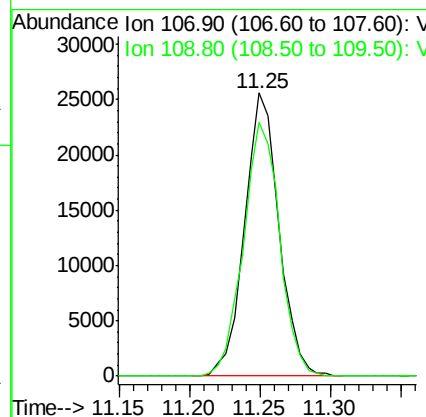
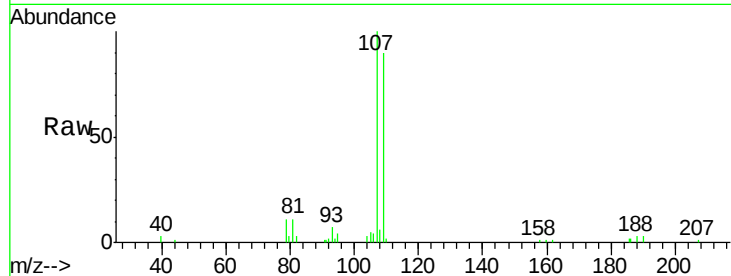
#61
 1,2-Dibromoethane
 Concen: 20.830 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067357.D
 Acq: 22 Oct 2020 12:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1022SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	74.6	112.0

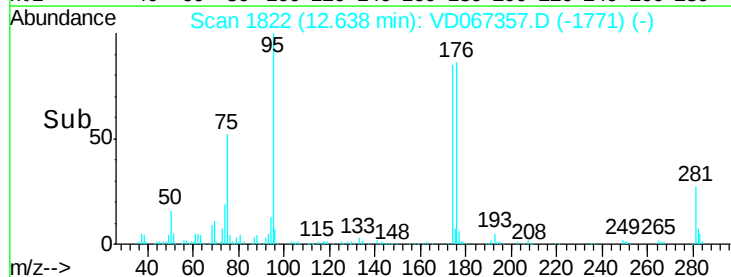
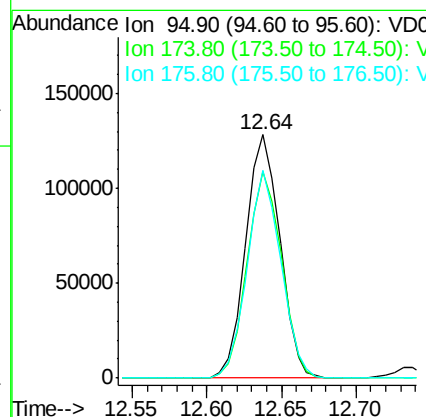
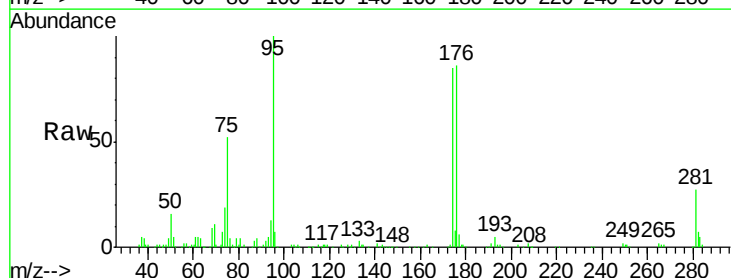
Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 2:12:00 PM



#62
 4-Bromofluorobenzene
 Concen: 52.496 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067357.D
 Acq: 22 Oct 2020 12:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.5	0.0	175.2
176	84.0	0.0	168.6





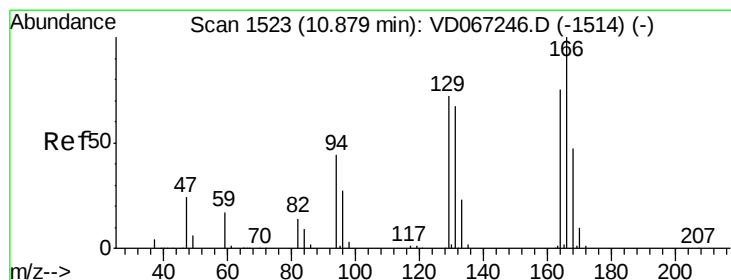
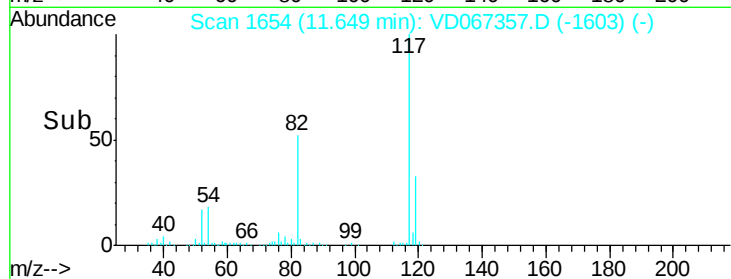
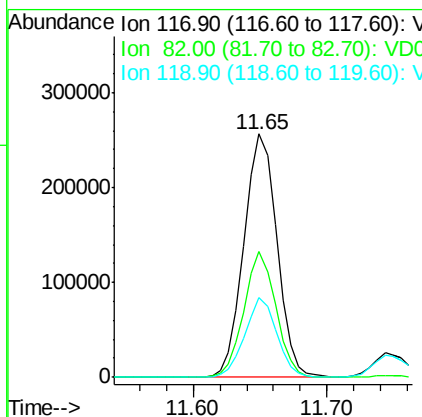
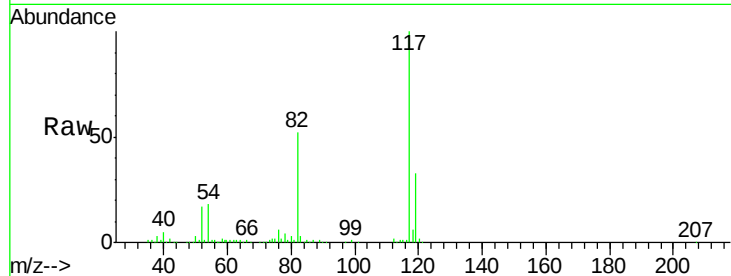
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067357.D
Acq: 22 Oct 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VD1022SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.7	39.9	59.9
119	32.5	24.9	37.3

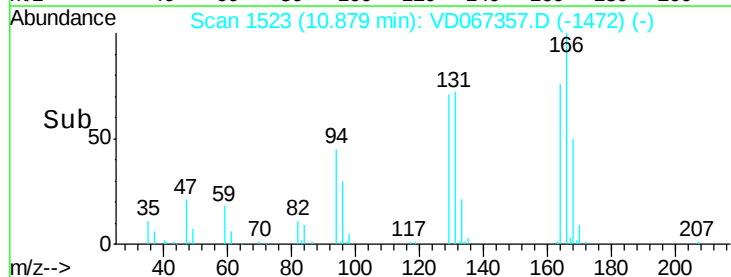
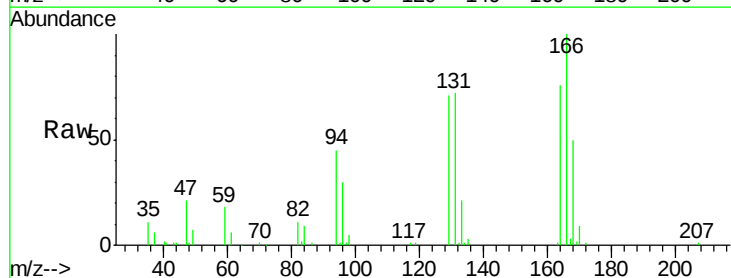
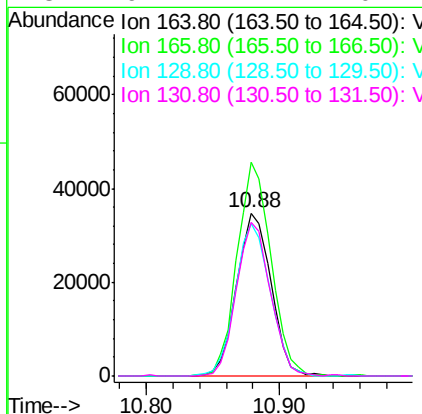
Manual Integrations
APPROVED

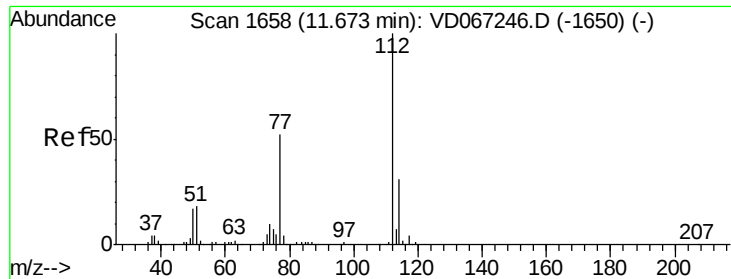
MMDadoda
10/23/2020 2:12:00 PM



#64
Tetrachloroethene
Concen: 19.519 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067357.D
Acq: 22 Oct 2020 12:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.4	107.3	160.9
129	93.7	77.3	115.9
131	94.4	71.4	107.2





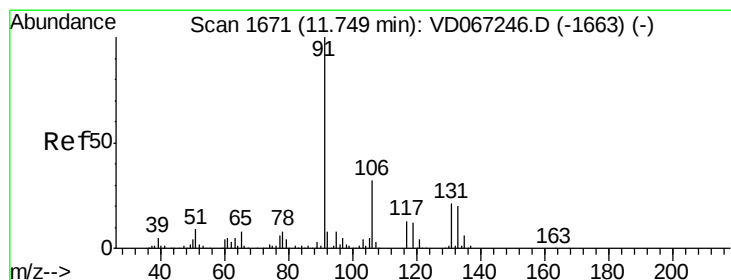
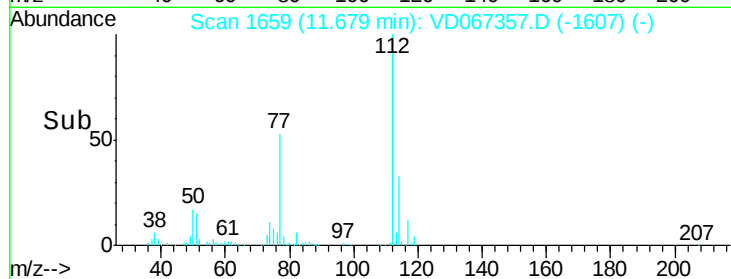
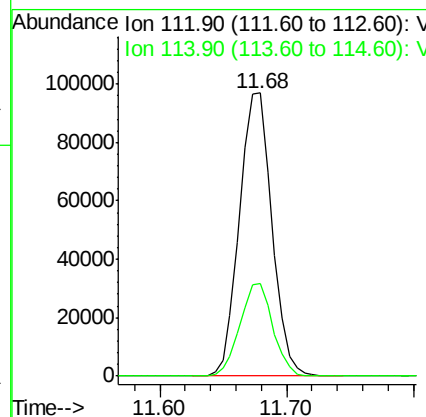
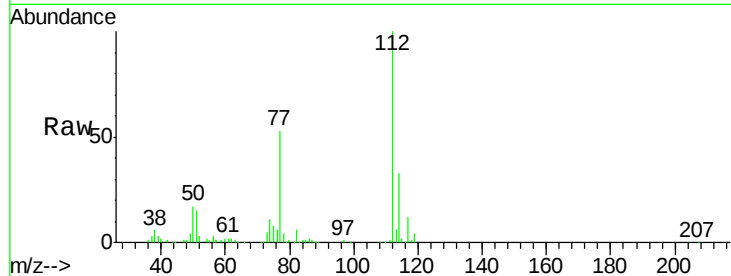
#65
Chlorobenzene
Concen: 20.409 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD067357.D
Acq: 22 Oct 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VD1022SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.8	25.0	37.4

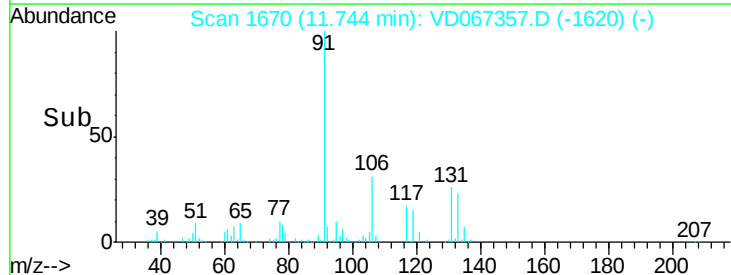
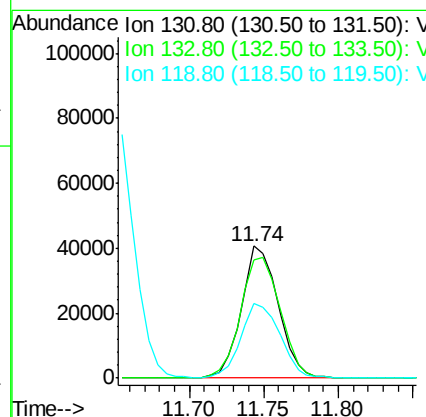
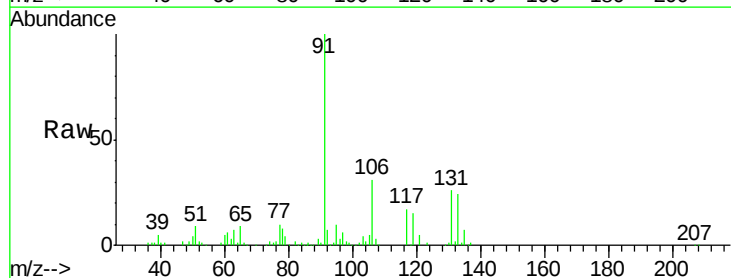
Manual Integrations
APPROVED

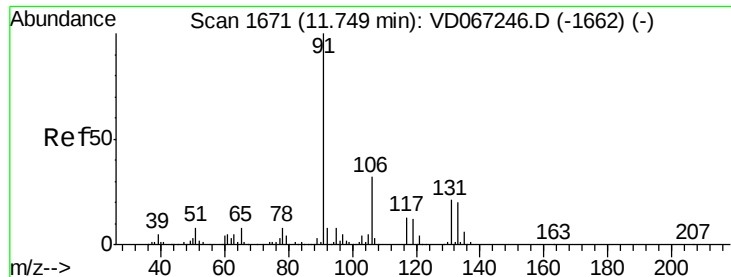
MMDadoda
10/23/2020 2:12:00 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.747 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD067357.D
Acq: 22 Oct 2020 12:54

Tgt Ion	Ratio	Lower	Upper
131	100		
133	99.3	48.1	144.3
119	60.7	30.0	90.0





#67

Ethyl Benzene

Concen: 20.201 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067357.D

Acq: 22 Oct 2020 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD1022SBS01

Tot Ion: 91 Resp: 292423

Ion Ratio Lower Upper

91 100

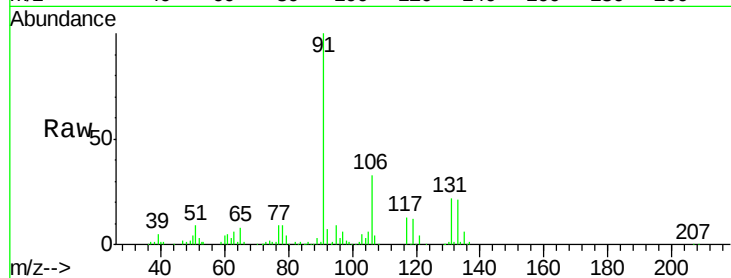
106 33.2 25.4 38.0

Manual Integrations

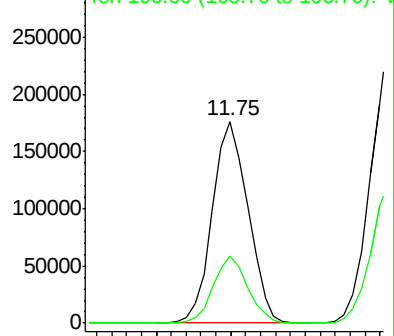
APPROVED

MMDadoda

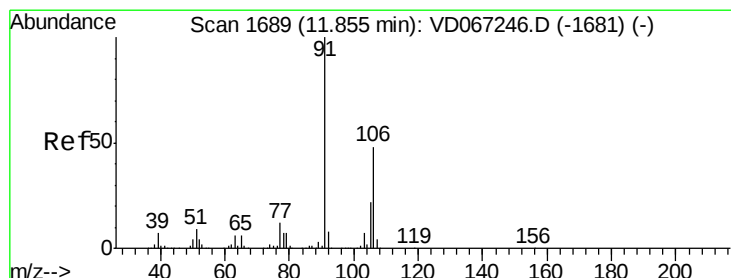
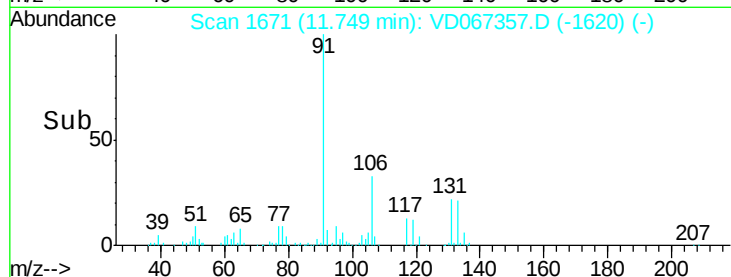
10/23/2020 2:12:00 PM



Abundance Ion 91.00 (90.70 to 91.70): VD067246.D (-1662) (-)



Time-->



#68

m/p-Xylenes

Concen: 41.714 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD067357.D

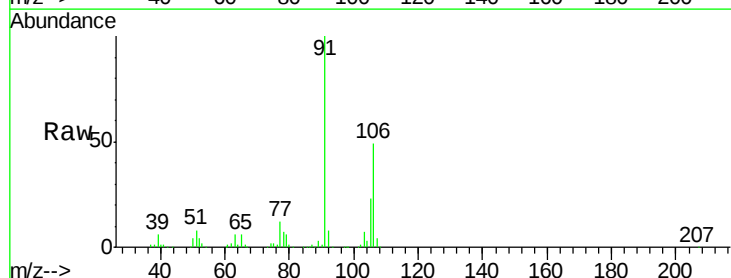
Acq: 22 Oct 2020 12:54

Tgt Ion: 106 Resp: 232526

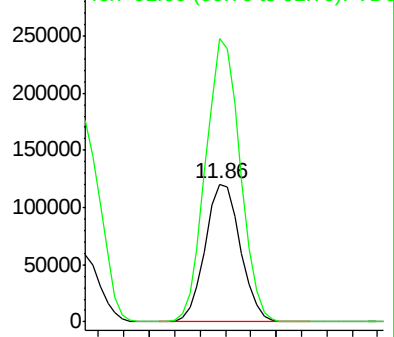
Ion Ratio Lower Upper

106 100

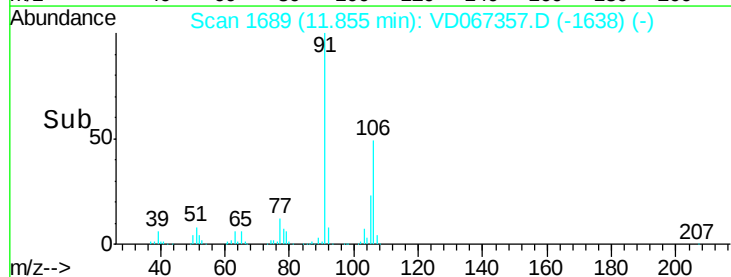
91 201.4 163.8 245.8

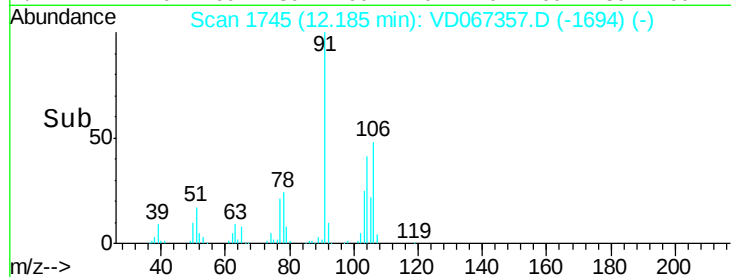
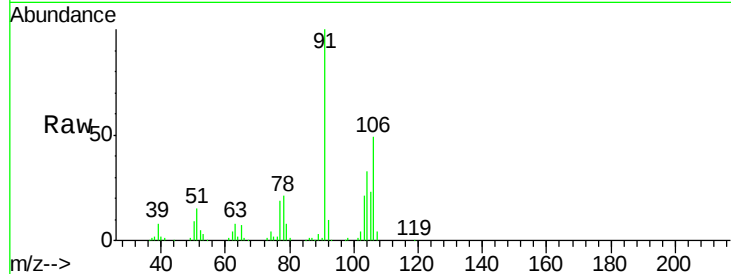


Abundance Ion 106.00 (105.70 to 106.70): VD067246.D (-1681) (-)



Time-->





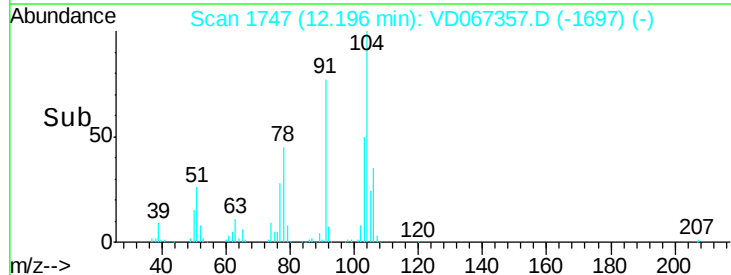
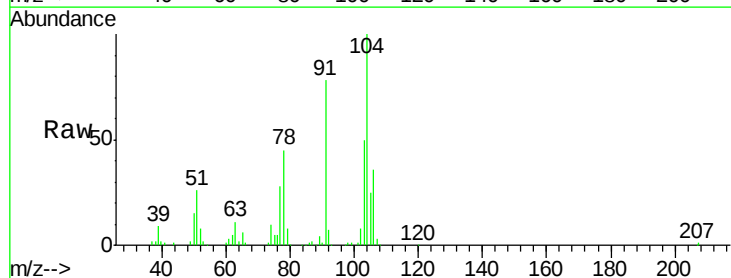
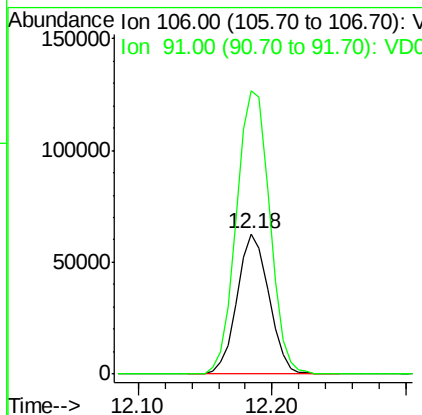
#69
o-Xylene
Concen: 20.067 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067357.D
Acq: 22 Oct 2020 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
106	100	103582		
91	211.2	109.1	327.3	

Instrument :
MSVOA_D
ClientSampleId :
VD1022SBS01

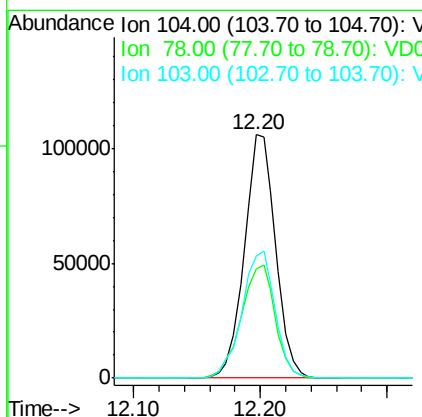
Manual Integrations
APPROVED

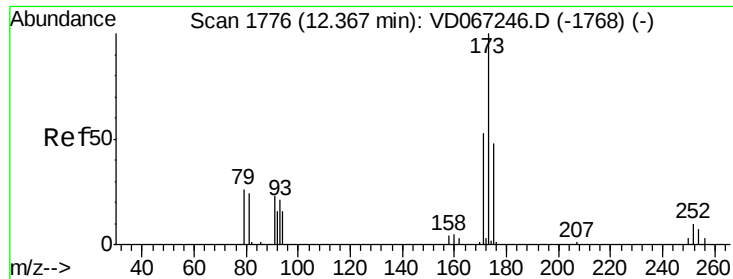
MMDadoda
10/23/2020 2:12:00 PM



#70
Styrene
Concen: 20.452 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067357.D
Acq: 22 Oct 2020 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	181734		
78	50.3	39.8	59.6	
103	55.2	42.6	64.0	





#71

Bromoform

Concen: 20.735 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067357.D

Acq: 22 Oct 2020 12:54

Instrument :

MSVOA_D

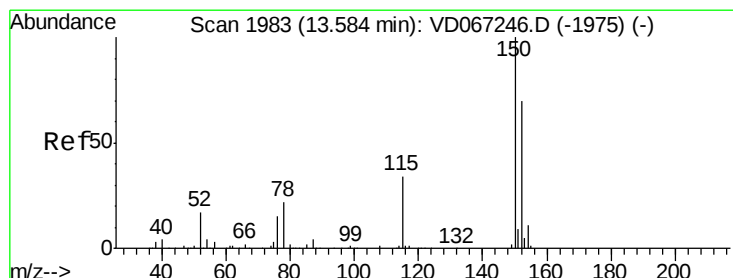
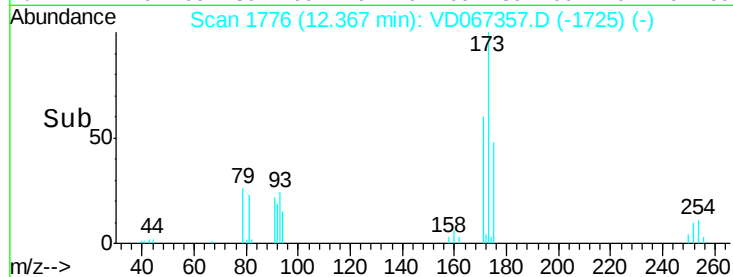
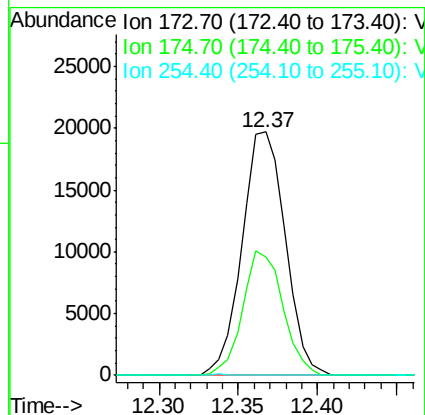
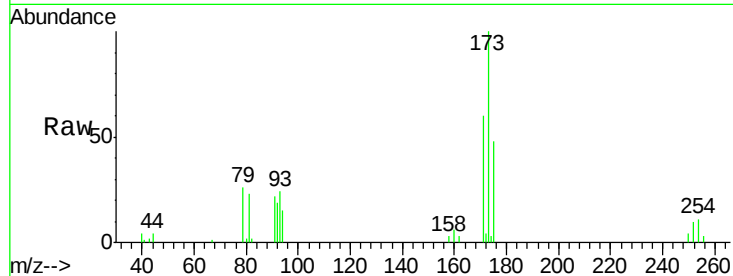
ClientSampleId :

VD1022SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.4	24.2	72.6
254	0.0	0.1	0.1#

Manual Integrations
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MMDadoda
10/23/2020 2:12:00 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

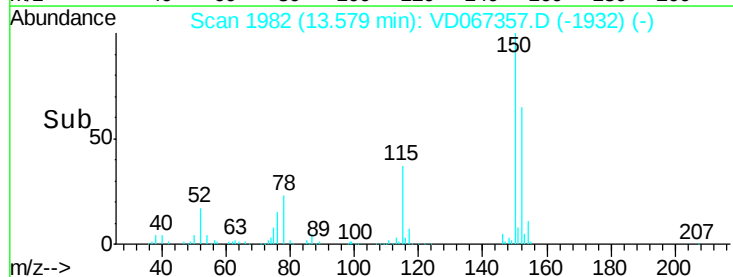
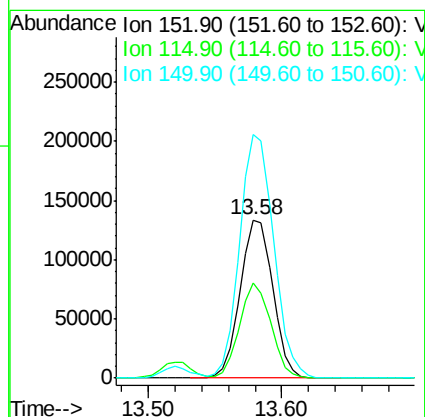
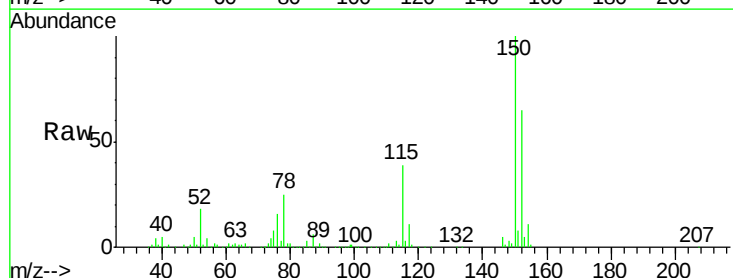
RT: 13.58 min Scan# 1982

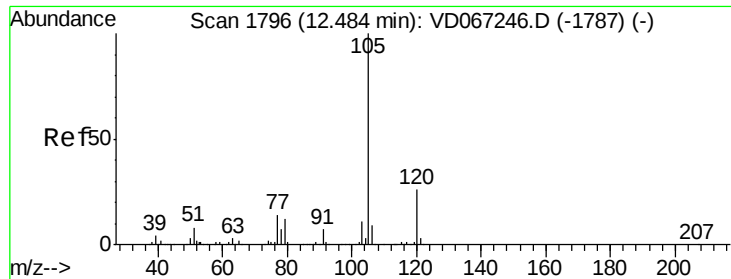
Delta R.T. -0.01 min

Lab File: VD067357.D

Acq: 22 Oct 2020 12:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.6	29.3	87.9
150	161.2	0.0	339.0





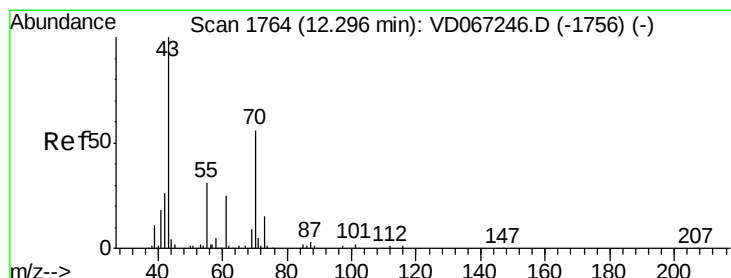
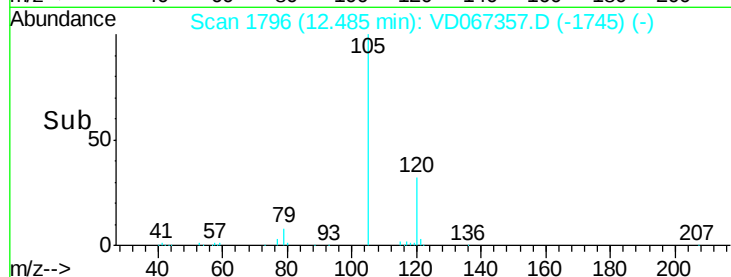
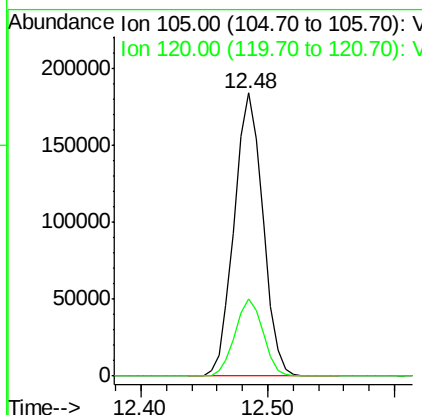
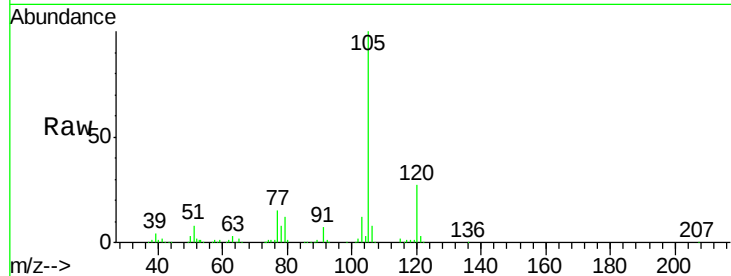
#73
Isopropylbenzene
Concen: 20.134 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD067357.D
Acq: 22 Oct 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VD1022SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	288292		
120	26.8	13.3	39.8	

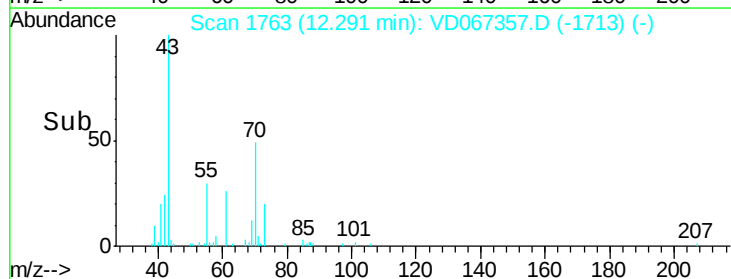
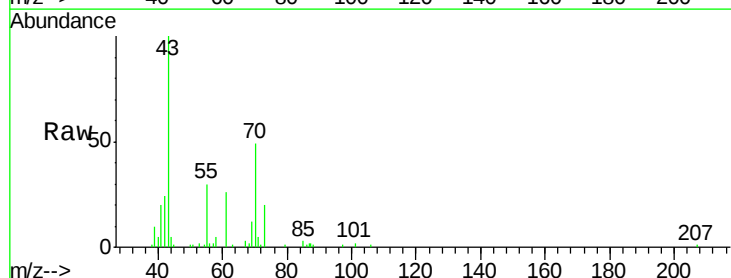
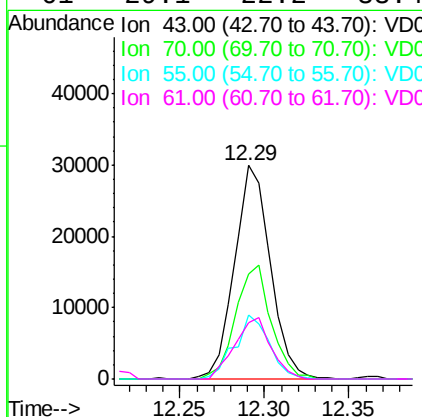
Manual Integrations
APPROVED

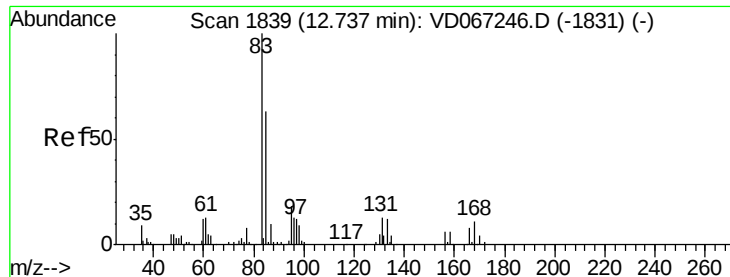
MMDadoda
10/23/2020 2:12:00 PM



#74
N-ethyl acetate
Concen: 20.446 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VD067357.D
Acq: 22 Oct 2020 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	44216		
70	52.8	42.7	64.1	
55	29.3	24.0	36.0	
61	29.1	22.2	33.4	





#75

1,1,2,2-Tetrachloroethane

Concen: 21.418 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067357.D

Acq: 22 Oct 2020 12:54

Instrument :

MSVOA_D

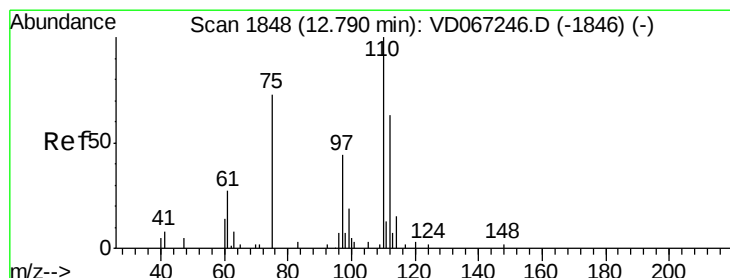
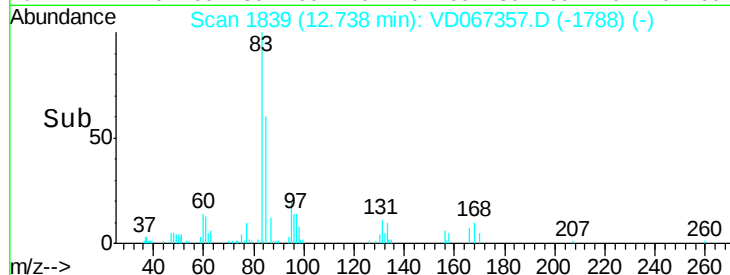
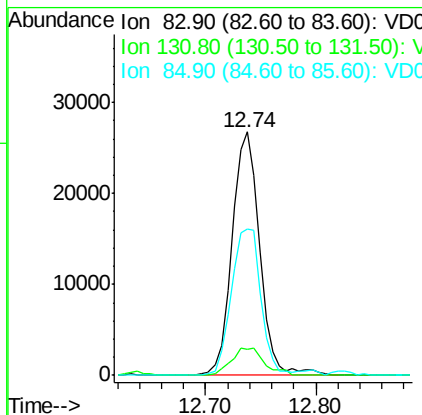
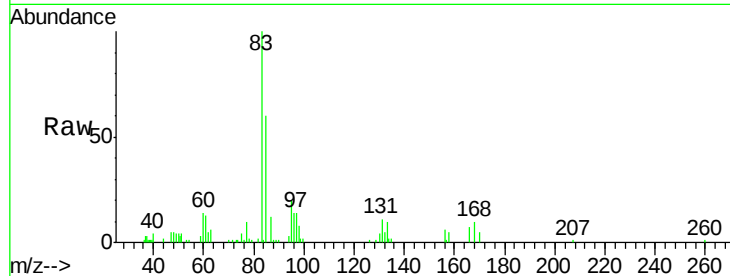
ClientSampleId :

VD1022SBS01

Tot Ion	83	Resp	46990
Ion	Ratio	Lower	Upper
83	100		
131	13.3	6.5	19.5
85	64.4	32.6	97.7

Manual Integrations
APPROVED

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10/23/2020 2:12:00 PM



#76

1,2,3-Trichloropropane

Concen: 19.148 ug/l m

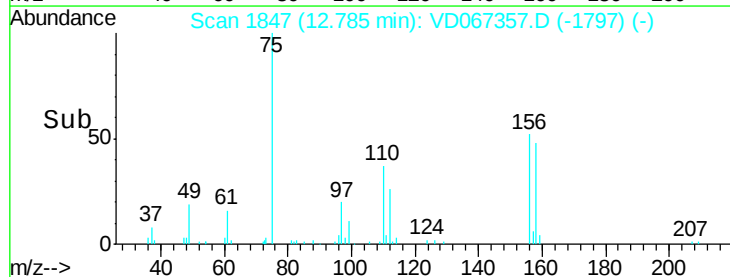
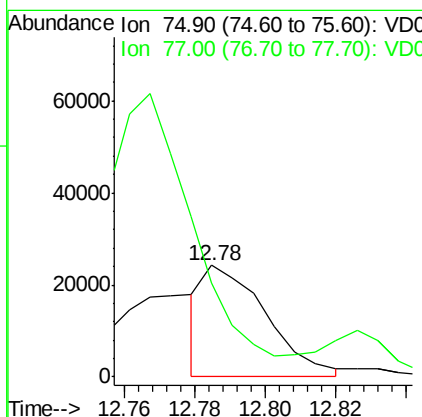
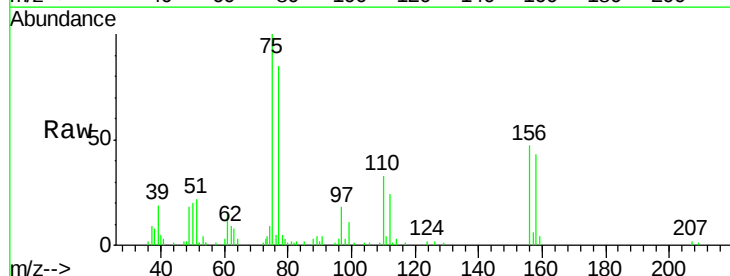
RT: 12.78 min Scan# 1847

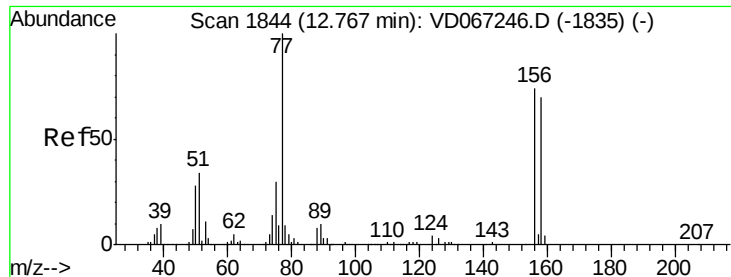
Delta R.T. -0.01 min

Lab File: VD067357.D

Acq: 22 Oct 2020 12:54

Tgt Ion	75	Resp	29942
Ion	Ratio	Lower	Upper
75	100		
77	375.8	0.0	0.0#





#77

Bromobenzene

Concen: 19.879 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067357.D

Acq: 22 Oct 2020 12:54

Instrument :

MSVOA_D

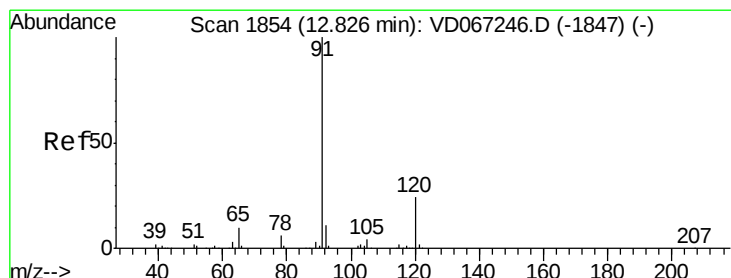
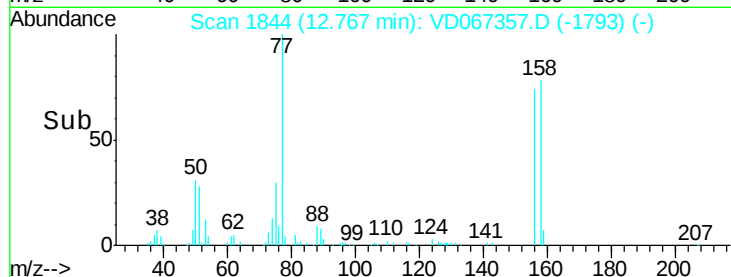
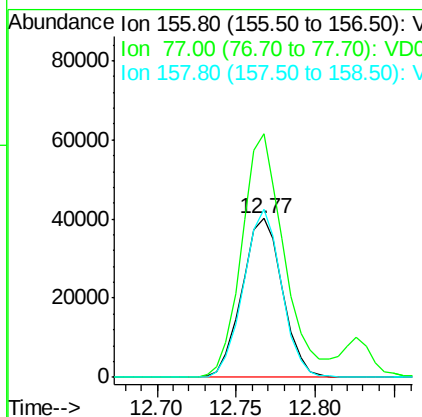
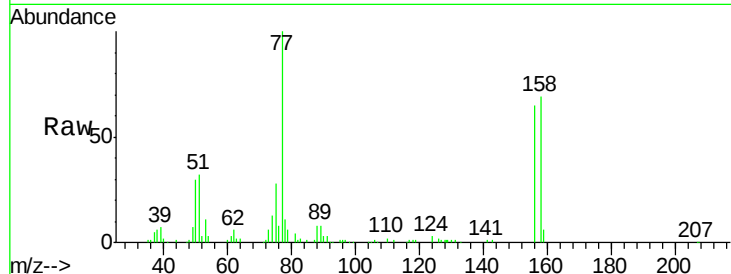
ClientSampleId :

VD1022SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	158.6	78.0	233.8	
158	99.6	49.1	147.3	

Manual Integrations
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#78

n-propylbenzene

Concen: 20.536 ug/l

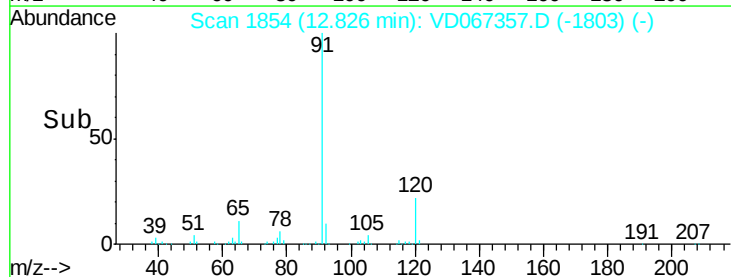
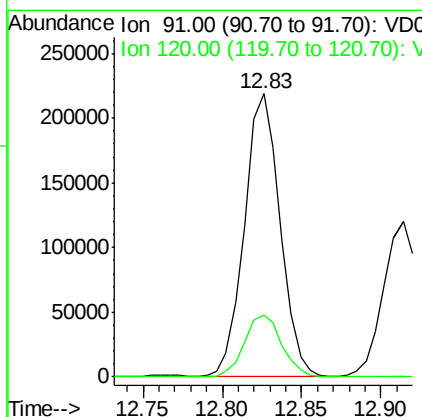
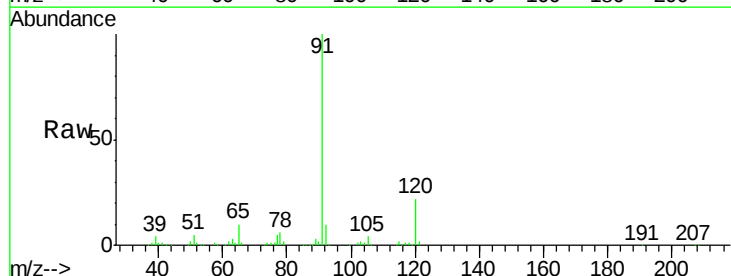
RT: 12.83 min Scan# 1854

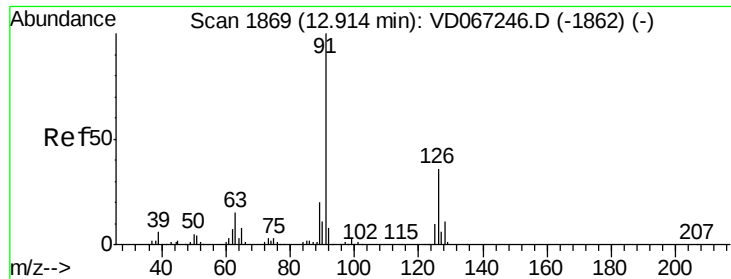
Delta R.T. 0.00 min

Lab File: VD067357.D

Acq: 22 Oct 2020 12:54

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.0	11.9	35.9	





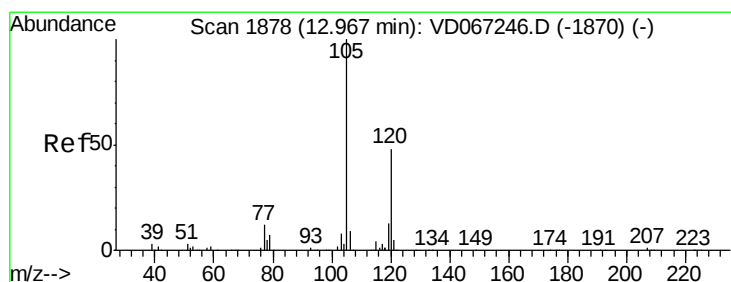
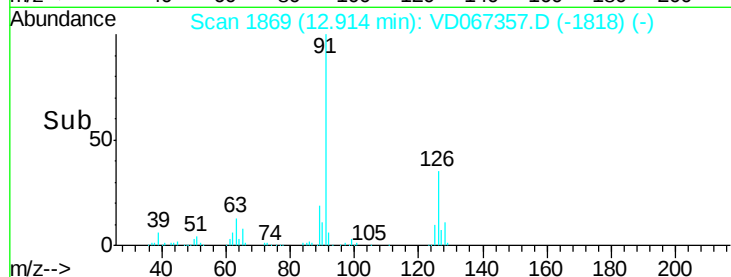
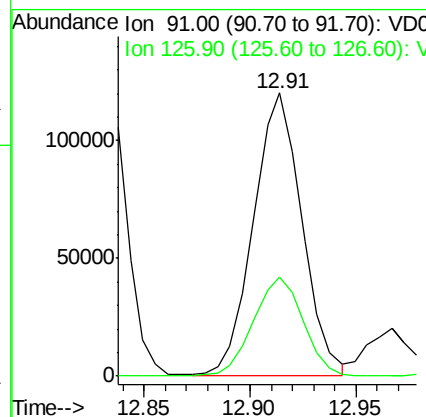
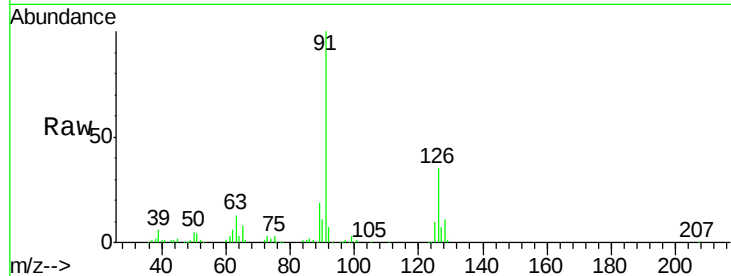
#79
2-Chlorotoluene
Concen: 19.910 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD067357.D
Acq: 22 Oct 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VD1022SBSD01

Tot Ion: 91 Resp: 191549
Ion Ratio Lower Upper
91 100
126 35.7 17.6 52.8

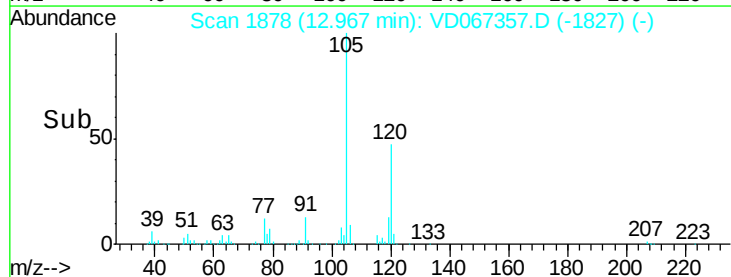
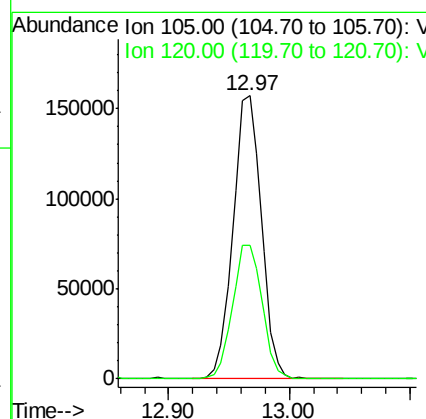
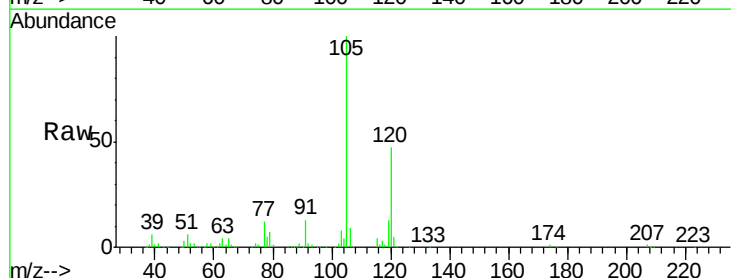
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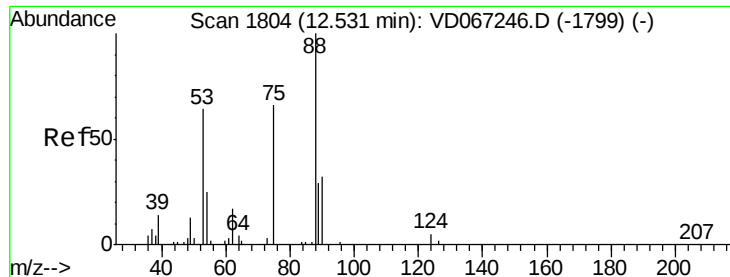
MMDadoda
10/23/2020 2:12:00 PM



#80
1,3,5-Trimethylbenzene
Concen: 20.674 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD067357.D
Acq: 22 Oct 2020 12:54

Tgt Ion: 105 Resp: 257247
Ion Ratio Lower Upper
105 100
120 49.0 24.3 72.8





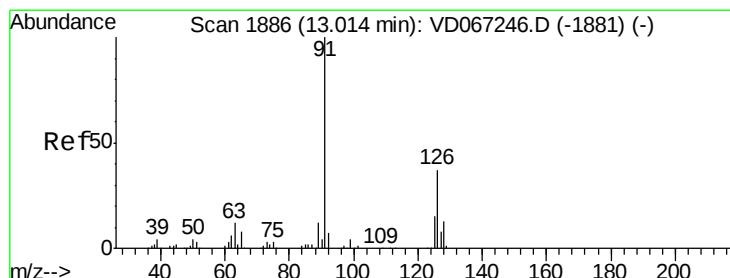
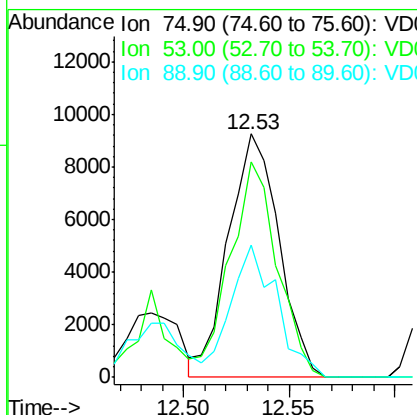
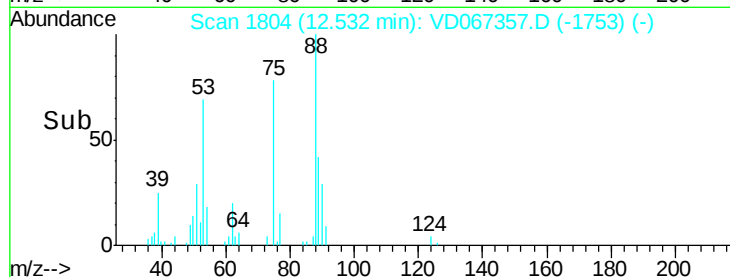
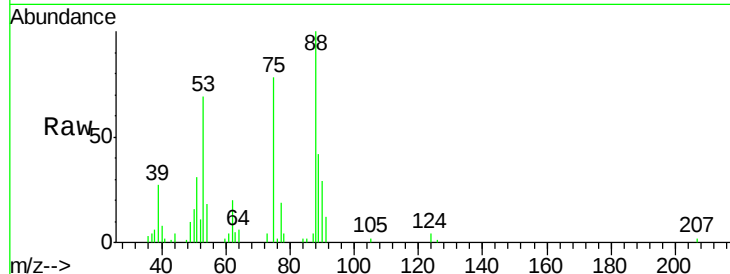
#81
trans-1,4-Dichloro-2-butene
Concen: 22.270 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067357.D
Acq: 22 Oct 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VD1022SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	83.2	78.5	117.7
89	49.5	39.9	59.9

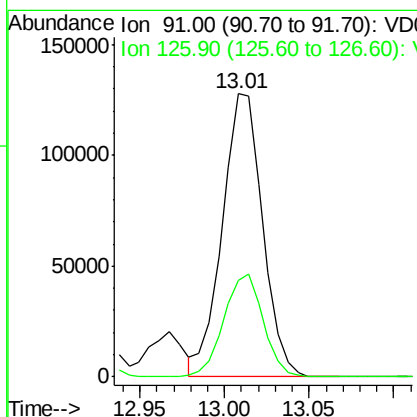
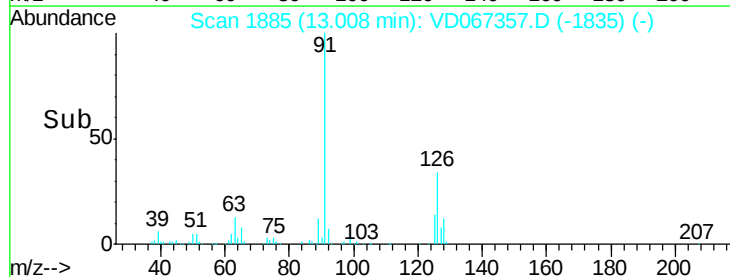
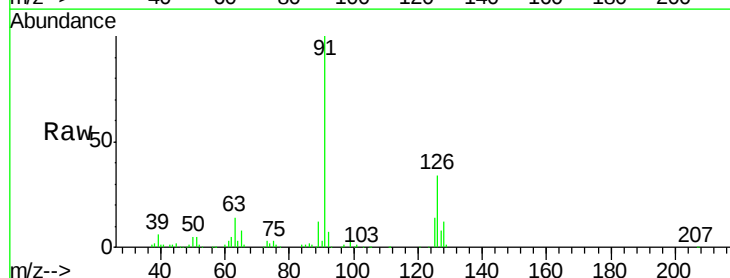
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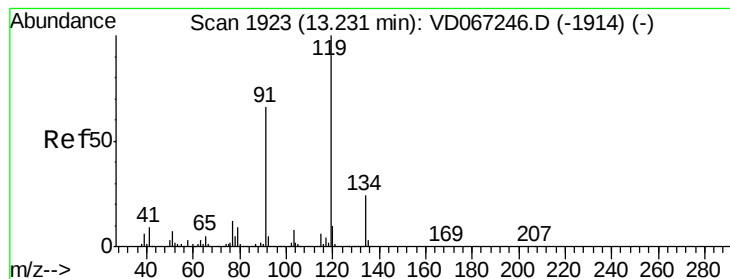
MMDadoda
10/23/2020 2:12:00 PM



#82
4-Chlorotoluene
Concen: 20.799 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD067357.D
Acq: 22 Oct 2020 12:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.8	53.5





#83

tert-Butylbenzene

Concen: 20.355 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD067357.D

Acq: 22 Oct 2020 12:54

Instrument :

MSVOA_D

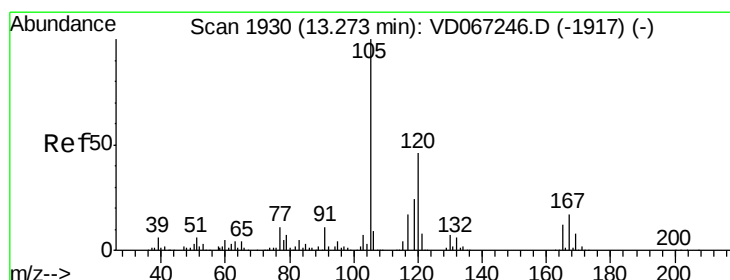
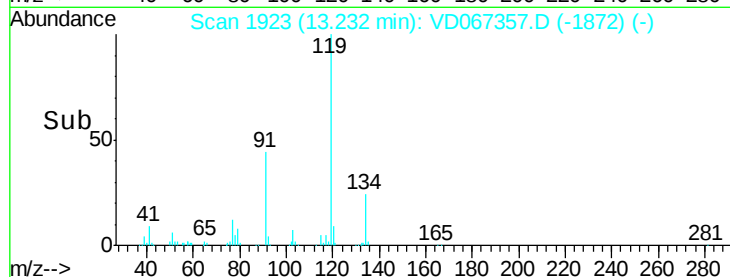
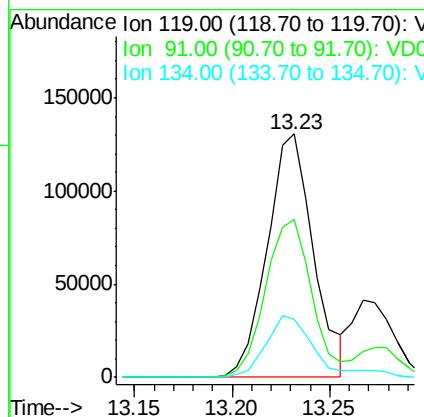
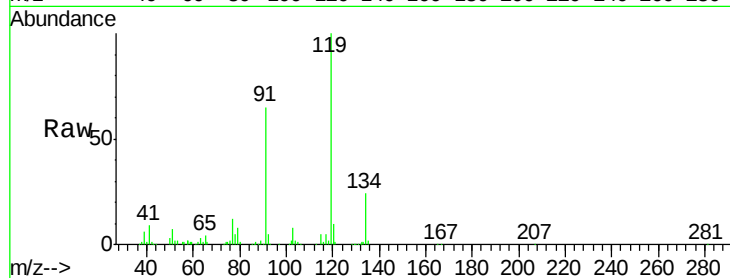
ClientSampleId :

VD1022SBS01

Tot Ion:	119	Resp:	213949
Ion Ratio	Lower	Upper	
119	100		
91	64.7	33.1	99.2
134	27.3	13.3	39.9

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.664 ug/l

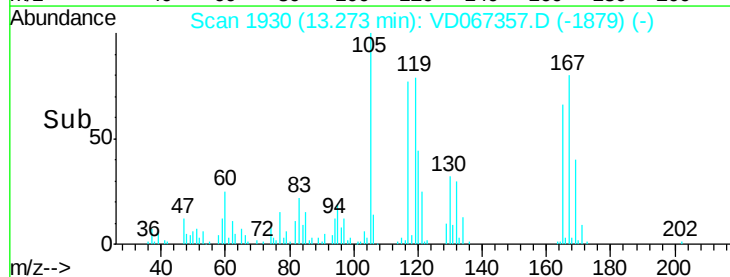
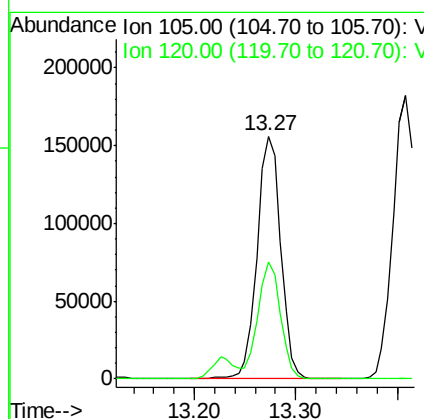
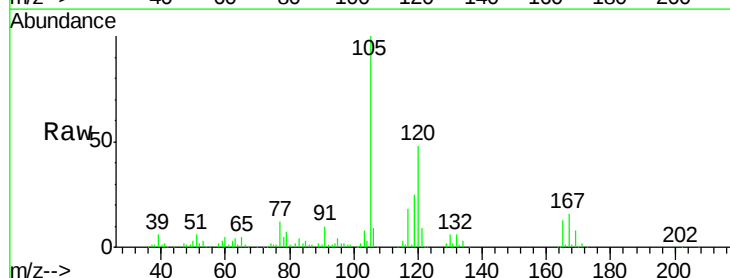
RT: 13.27 min Scan# 1930

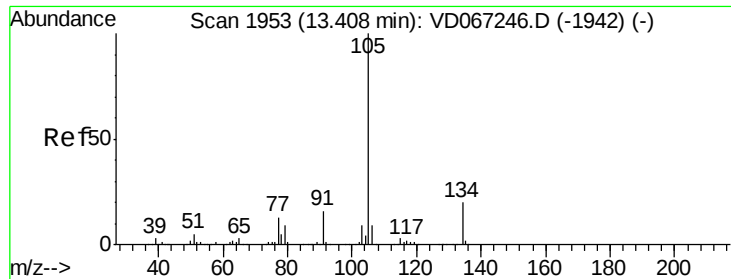
Delta R.T. 0.00 min

Lab File: VD067357.D

Acq: 22 Oct 2020 12:54

Tgt Ion:	105	Resp:	254131
Ion Ratio	Lower	Upper	
105	100		
120	45.5	22.4	67.3





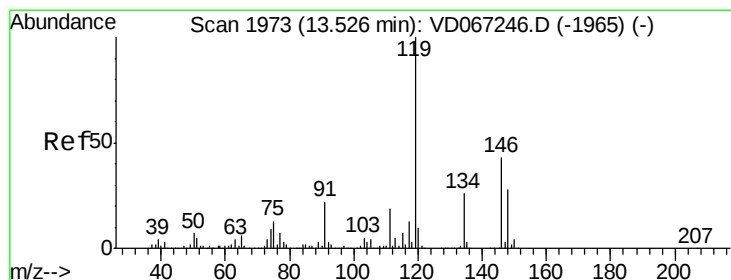
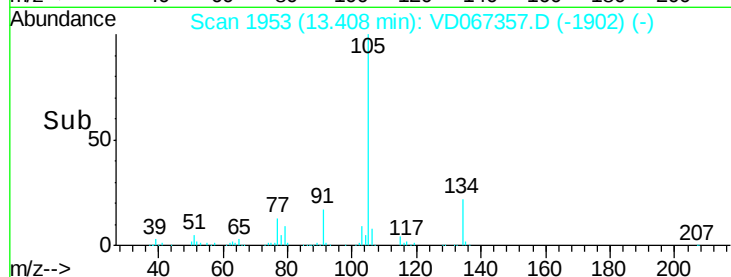
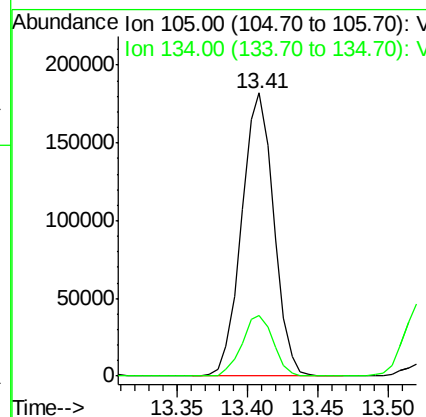
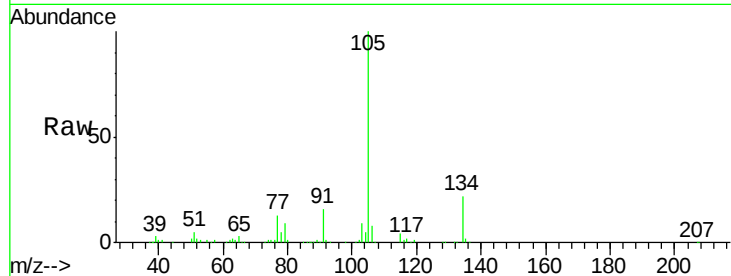
#85
 sec-Butylbenzene
 Concen: 20.083 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067357.D
 Acq: 22 Oct 2020 12:54

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1022SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	289636		
134	21.2	10.5	31.5	

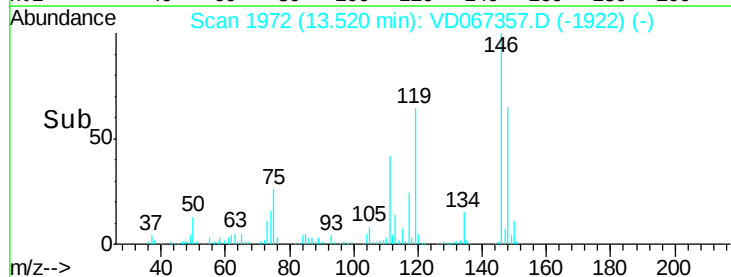
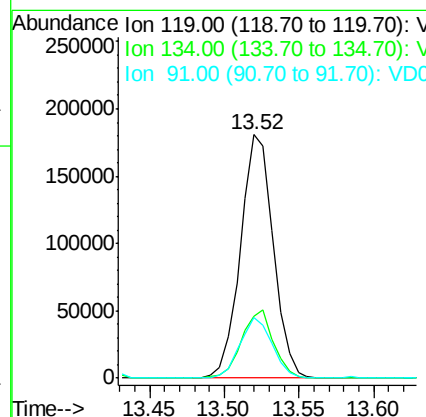
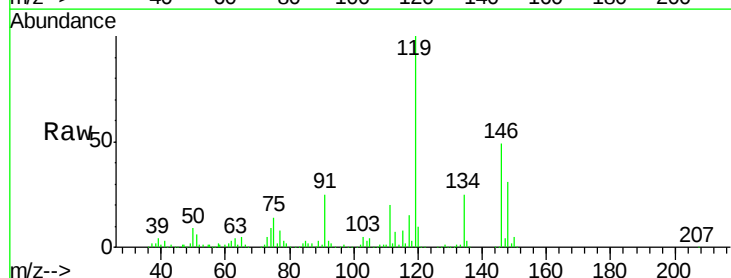
Manual Integrations
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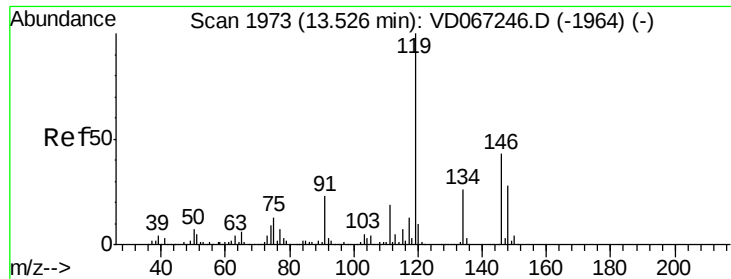
MMDadoda
 10/23/2020 2:12:00 PM



#86
 p-Isopropyltoluene
 Concen: 20.288 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067357.D
 Acq: 22 Oct 2020 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	276176		
134	26.9	13.1	39.3	
91	24.4	11.9	35.9	





#87

1,3-Dichlorobenzene

Concen: 20.641 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD067357.D

Acq: 22 Oct 2020 12:54

Instrument :

MSVOA_D

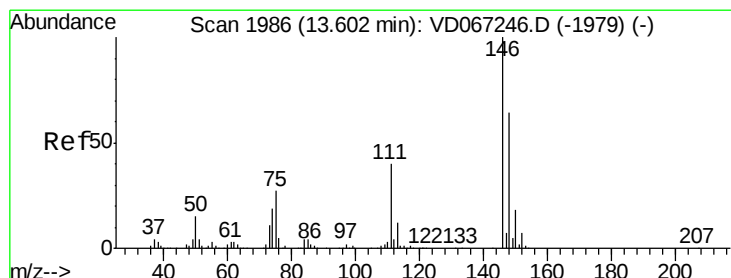
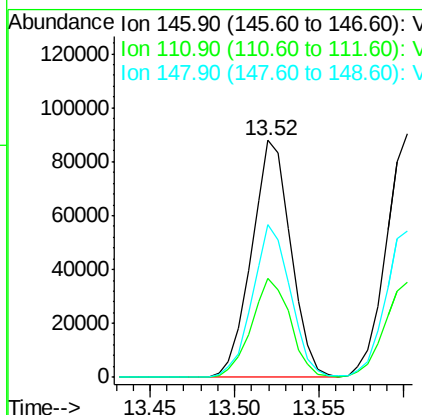
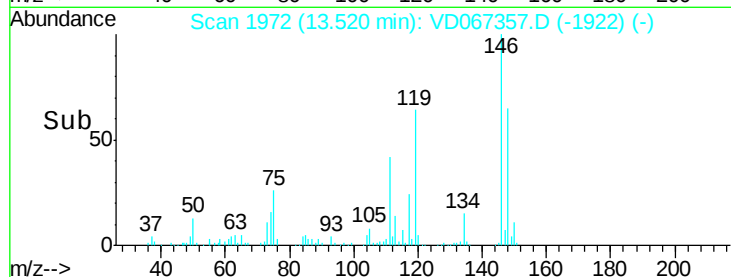
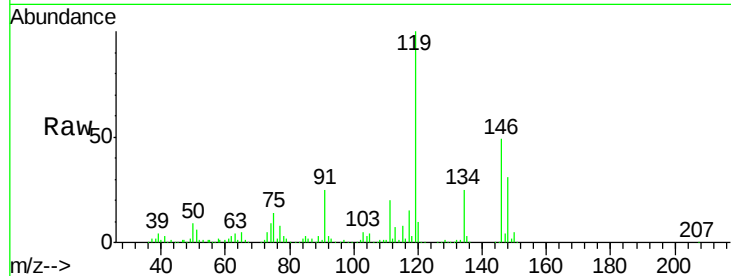
ClientSampleId :

VD1022SBS01

Tot Ion:	146	Resp:	141826
Ion Ratio	Lower	Upper	
146	100		
111	41.5	21.1	63.3
148	62.8	31.9	95.9

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.892 ug/l

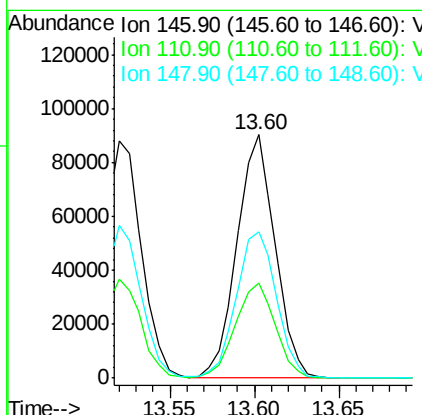
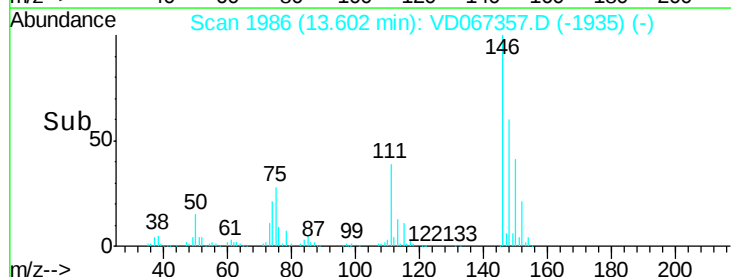
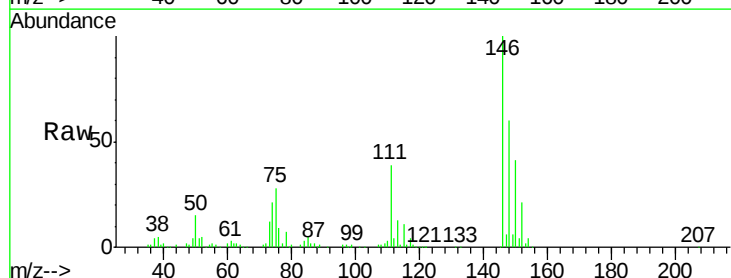
RT: 13.60 min Scan# 1986

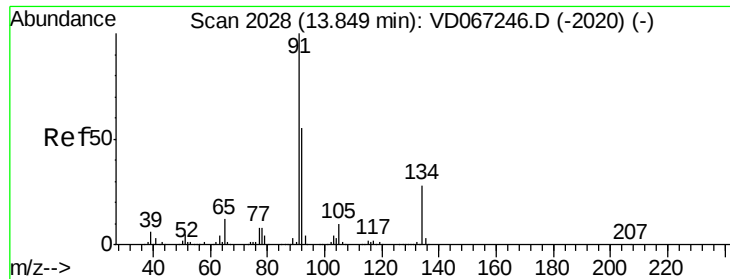
Delta R.T. 0.00 min

Lab File: VD067357.D

Acq: 22 Oct 2020 12:54

Tgt Ion:	146	Resp:	142224
Ion Ratio	Lower	Upper	
146	100		
111	41.1	19.9	59.7
148	63.2	31.9	95.9





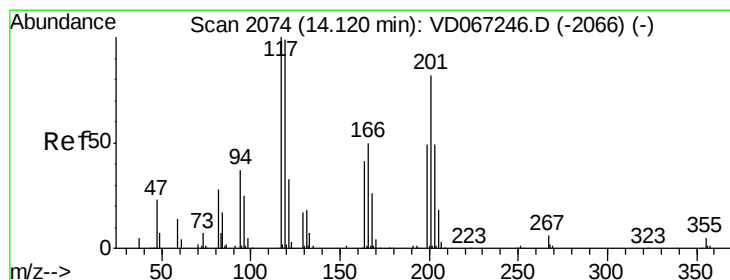
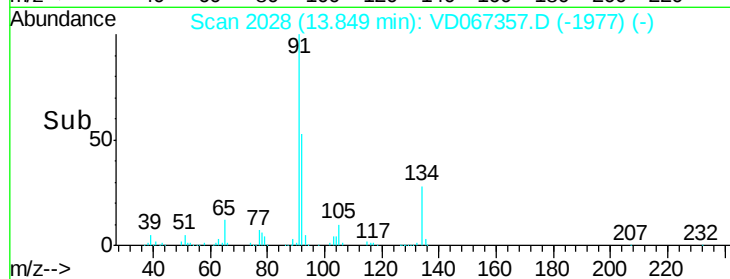
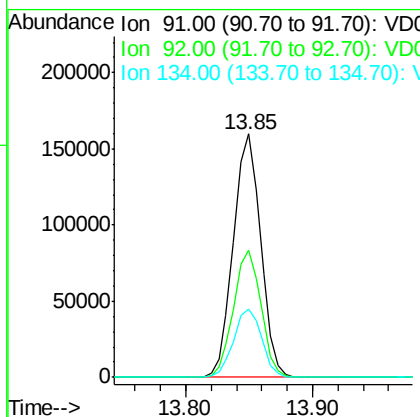
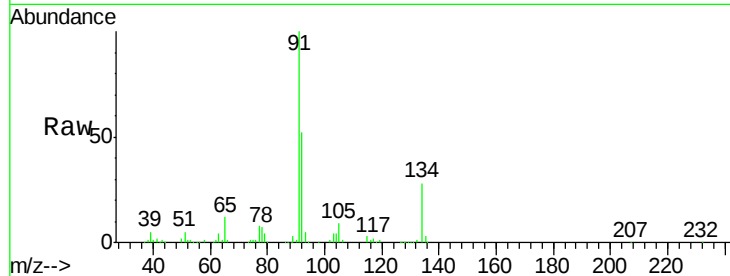
#89
n-Butylbenzene
Concen: 19.892 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067357.D
Acq: 22 Oct 2020 12:54

Instrument :
MSVOA_D
ClientSampleId :
VD1022SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.7	80.0
134	28.6	14.2	42.6

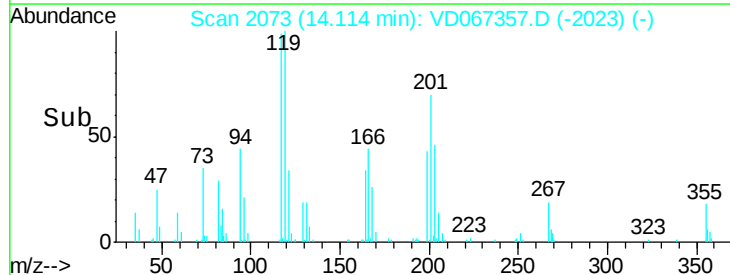
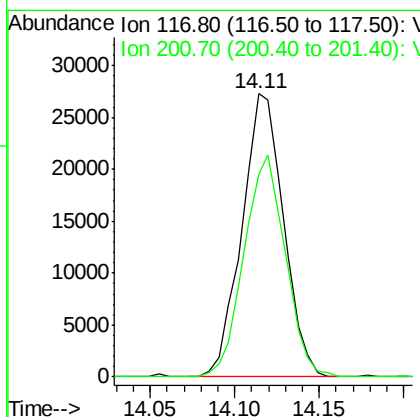
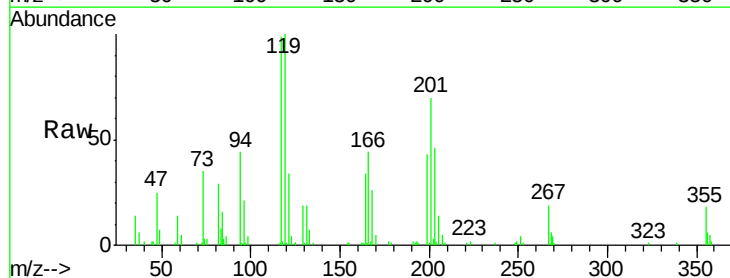
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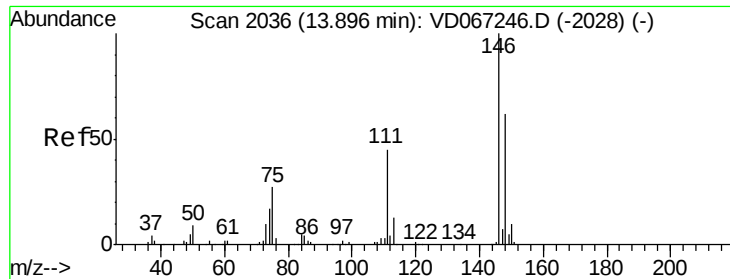
MMDadoda
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#90
Hexachloroethane
Concen: 19.754 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD067357.D
Acq: 22 Oct 2020 12:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.7	40.8	122.2





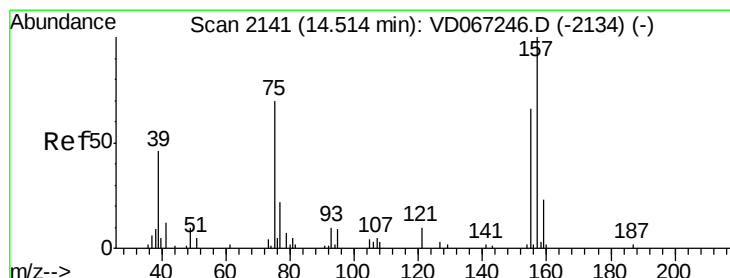
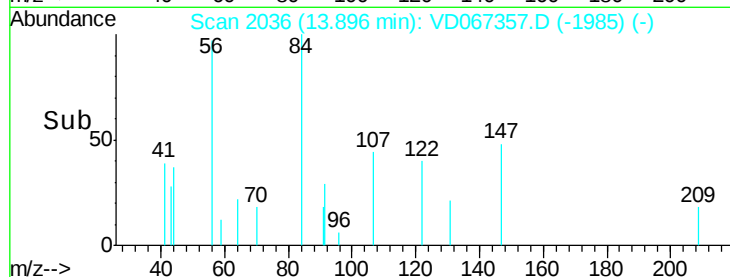
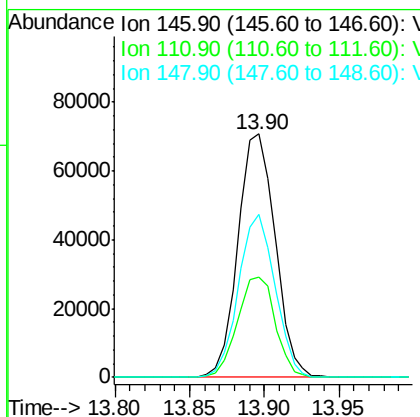
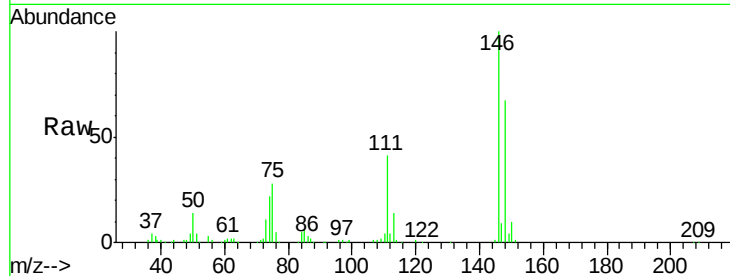
#91
 1,2-Dichlorobenzene
 Concen: 20.417 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067357.D
 Acq: 22 Oct 2020 12:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1022SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	22.0	66.0
148	65.6	32.5	97.5

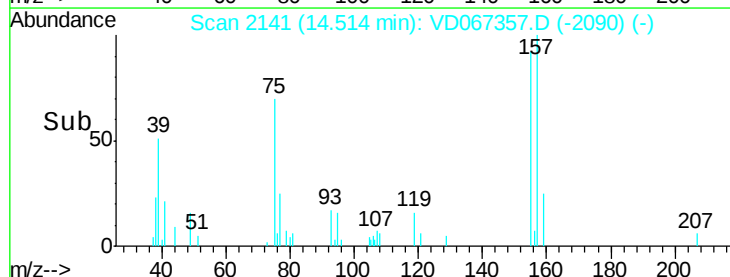
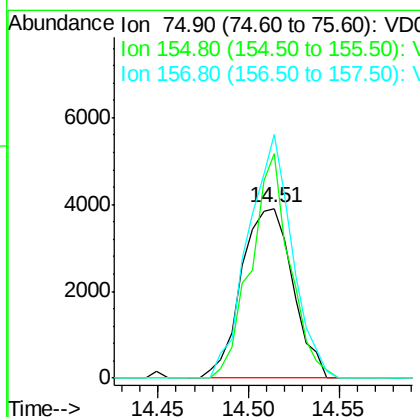
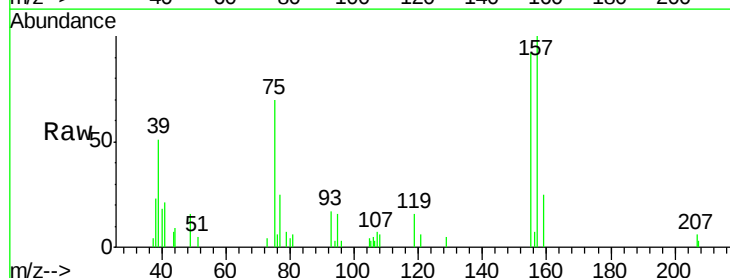
Manual Integrations
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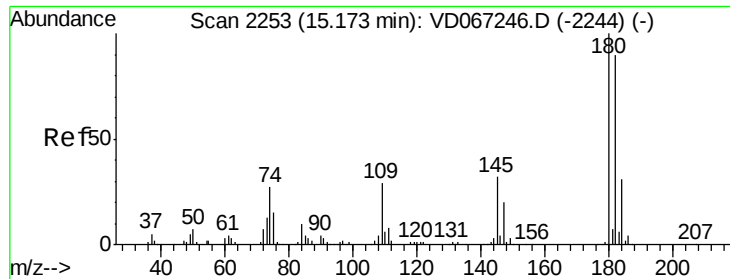
MMDadoda
 10/23/2020 2:12:00 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.366 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067357.D
 Acq: 22 Oct 2020 12:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.5	44.8	134.4
157	122.9	62.5	187.4





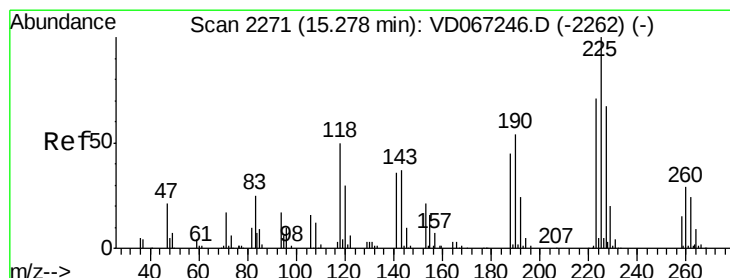
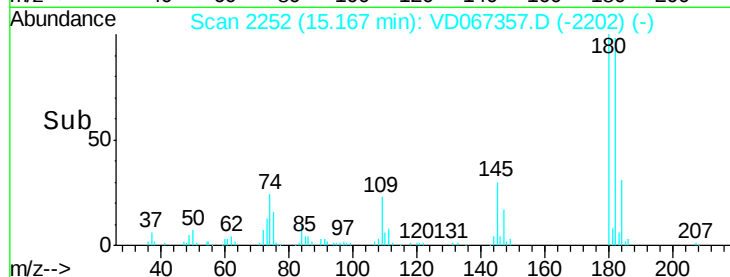
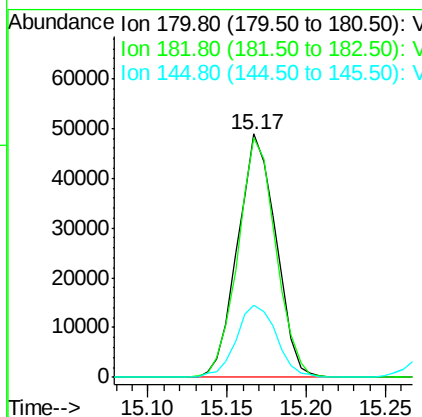
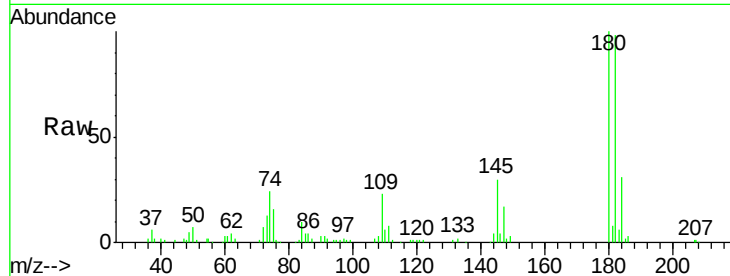
#93
 1,2,4-Trichlorobenzene
 Concen: 20.283 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD067357.D
 Acq: 22 Oct 2020 12:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1022SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	48.1	144.4
145	31.1	16.3	48.9

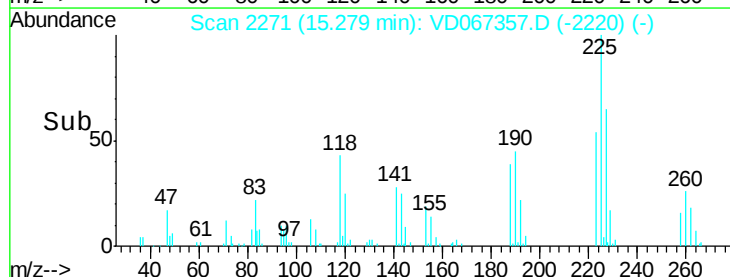
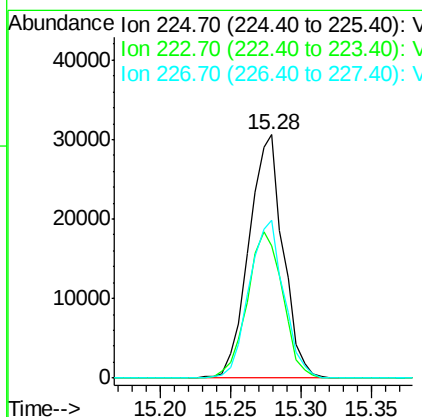
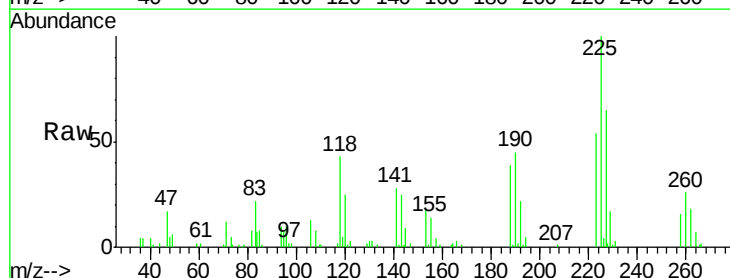
Manual Integrations
 APPROVED

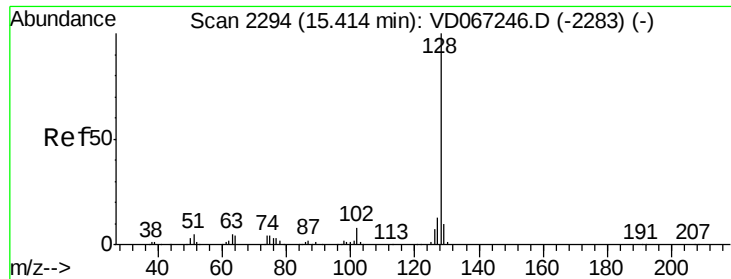
MMDadoda
 10/23/2020 2:12:00 PM



#94
 Hexachlorobutadiene
 Concen: 20.691 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD067357.D
 Acq: 22 Oct 2020 12:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.9	95.7
227	66.0	31.2	93.6





#95

Naphthalene

Concen: 20.069 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VD067357.D

Acq: 22 Oct 2020 12:54

Instrument :

MSVOA_D

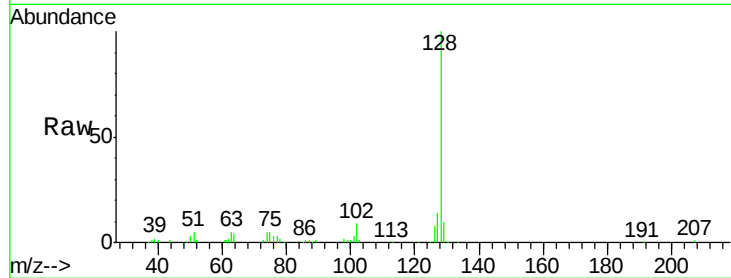
ClientSampleId :

VD1022SBS01

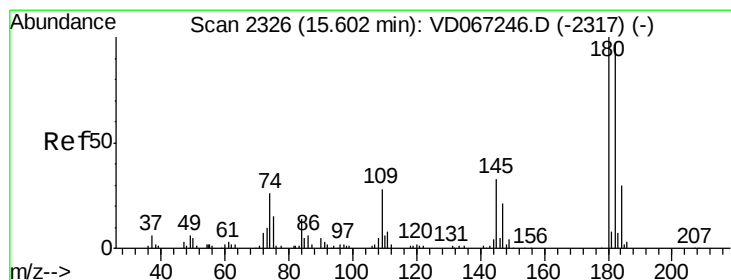
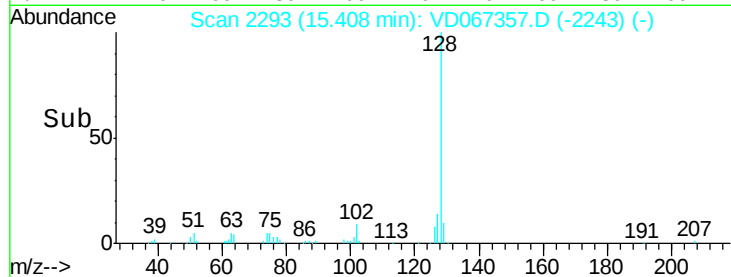
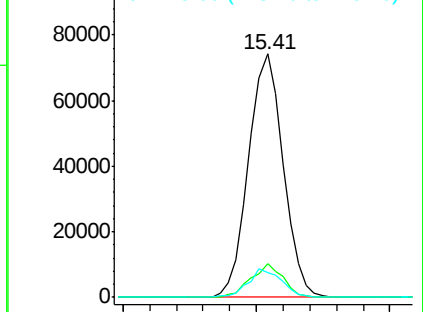
Tot Ion:	128	Resp:	133347
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.4	15.6
129	11.2	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/23/2020 2:12:00 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.634 ug/l

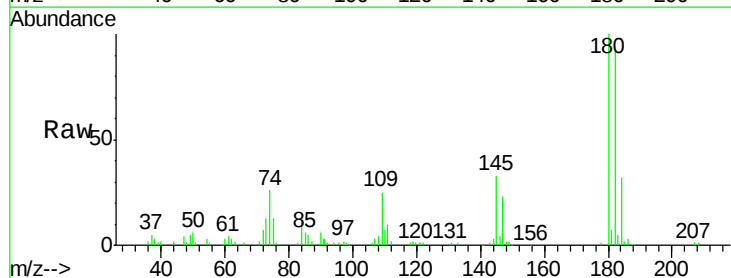
RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD067357.D

Acq: 22 Oct 2020 12:54

Tgt Ion:	180	Resp:	72142
Ion Ratio	Lower	Upper	
180	100		
182	97.2	48.1	144.3
145	33.9	17.3	51.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

