

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111620\
 Data File : VD067633.D
 Acq On : 16 Nov 2020 11:45
 Operator : VA/SY
 Sample : VD1116SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/17/2020 6:57:57 PM

Quant Time: Nov 17 01:19:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	295814	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	424954	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	386019	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	195737	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	114290	44.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.38%	
35) Dibromofluoromethane	7.92	113	116948	45.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.36%	
50) Toluene-d8	10.34	98	407666	45.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.62%	
62) 4-Bromofluorobenzene	12.64	95	143586	46.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.44%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	53588	19.616	ug/l	85
3) Chloromethane	2.21	50	32568	17.680	ug/l	96
4) Vinyl Chloride	2.35	62	35371	17.223	ug/l	94
5) Bromomethane	2.77	94	31619	18.995	ug/l	97
6) Chloroethane	2.93	64	22539	17.801	ug/l #	81
7) Trichlorofluoromethane	3.28	101	106432	20.015	ug/l	94
8) Diethyl Ether	3.71	74	21031	19.627	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.10	101	54191	20.189	ug/l	98
10) Methyl Iodide	4.31	142	53691	18.663	ug/l	99
11) Tert butyl alcohol	5.23	59	15800m	132.233	ug/l	
12) 1,1-Dichloroethene	4.07	96	47731	19.332	ug/l	93
13) Acrolein	3.92	56	3990	59.166	ug/l	93
14) Allyl chloride	4.71	41	48253	18.261	ug/l	96
15) Acrylonitrile	5.42	53	36952	93.292	ug/l #	79
16) Acetone	4.16	43	33084	85.474	ug/l	94
17) Carbon Disulfide	4.41	76	136455	18.036	ug/l	98
18) Methyl Acetate	4.73	43	15449	19.315	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	95421	19.593	ug/l	97
20) Methylene Chloride	4.97	84	54167	19.811	ug/l	95
21) trans-1,2-Dichloroethene	5.48	96	55687	19.364	ug/l	96
22) Diisopropyl ether	6.37	45	102374	19.881	ug/l	94
23) Vinyl Acetate	6.31	43	251889	93.449	ug/l	98
24) 1,1-Dichloroethane	6.27	63	82234	19.521	ug/l	98
25) 2-Butanone	7.21	43	39379	95.213	ug/l	89
26) 2,2-Dichloropropane	7.21	77	90441	20.342	ug/l	100
27) cis-1,2-Dichloroethene	7.22	96	59509	19.937	ug/l	99
28) Bromochloromethane	7.55	49	27328	18.237	ug/l	95
29) Tetrahydrofuran	7.57	42	23249	93.844	ug/l	96
30) Chloroform	7.71	83	102753	20.445	ug/l	99
31) Cyclohexane	7.99	56	69031	18.401	ug/l #	86
32) 1,1,1-Trichloroethane	7.91	97	101915	19.654	ug/l	97
36) 1,1-Dichloropropene	8.12	75	73349	20.164	ug/l	100
37) Ethyl Acetate	7.29	43	17294	18.313	ug/l #	85
38) Carbon Tetrachloride	8.10	117	100173	21.195	ug/l	98

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 Sample : VD1116SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

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Manual Integrations
 APPROVED

MMDadoda
 11/17/2020 6:57:57 PM

Quant Time: Nov 17 01:19:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	87002	20.321	ug/l	96
40) Benzene	8.36	78	200244	20.323	ug/l	98
41) Methacrylonitrile	7.54	41	12004	21.265	ug/l #	87
42) 1,2-Dichloroethane	8.43	62	63756	20.943	ug/l	100
43) Isopropyl Acetate	8.46	43	37040	19.832	ug/l	96
44) Trichloroethene	9.11	130	66727	20.596	ug/l	91
45) 1,2-Dichloropropane	9.40	63	43715	20.520	ug/l	93
46) Dibromomethane	9.48	93	28500	21.041	ug/l	96
47) Bromodichloromethane	9.67	83	76744	20.845	ug/l	97
48) Methyl methacrylate	9.47	41	18003	18.669	ug/l	97
49) 1,4-Dioxane	9.47	88	5612	408.123	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	89859	100.601	ug/l	97
52) Toluene	10.41	92	136206	20.638	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	64493	20.454	ug/l	93
54) cis-1,3-Dichloropropene	10.10	75	77080	20.575	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	37045	20.670	ug/l	91
56) Ethyl methacrylate	10.67	69	33967	18.353	ug/l	98
57) 1,3-Dichloropropane	10.96	76	57246	19.850	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.94	63	89462	103.657	ug/l	98
59) 2-Hexanone	10.99	43	60957	97.603	ug/l	98
60) Dibromochloromethane	11.14	129	54161	20.429	ug/l	96
61) 1,2-Dibromoethane	11.25	107	35243	19.593	ug/l	96
64) Tetrachloroethene	10.88	164	56883	19.897	ug/l	96
65) Chlorobenzene	11.67	112	150966	20.303	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	62294	21.256	ug/l	97
67) Ethyl Benzene	11.75	91	262064	20.596	ug/l	99
68) m/p-Xylenes	11.86	106	211097	42.644	ug/l	98
69) o-Xylene	12.18	106	93768	21.216	ug/l	95
70) Styrene	12.20	104	162009	21.036	ug/l	98
71) Bromoform	12.37	173	31940	21.369	ug/l #	98
73) Isopropylbenzene	12.48	105	264764	20.930	ug/l	99
74) N-amyl acetate	12.29	43	31425	18.879	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	34877	20.219	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	22436m	19.001	ug/l	
77) Bromobenzene	12.77	156	63919	20.574	ug/l	97
78) n-propylbenzene	12.83	91	299898	20.726	ug/l	99
79) 2-Chlorotoluene	12.91	91	172855	21.030	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	235326	21.777	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	11220	19.292	ug/l	99
82) 4-Chlorotoluene	13.01	91	188126	21.341	ug/l	99
83) tert-Butylbenzene	13.23	119	195059	21.298	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	230432	21.422	ug/l	100
85) sec-Butylbenzene	13.41	105	264081	21.360	ug/l	100
86) p-Isopropyltoluene	13.52	119	250118	20.950	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	125542	21.178	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	118623	19.762	ug/l	97
89) n-Butylbenzene	13.85	91	215032	20.852	ug/l	99
90) Hexachloroethane	14.12	117	46655	20.751	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	102822	20.041	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6685	21.888	ug/l	95

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ClientSampleId :
VD1116SBSD01

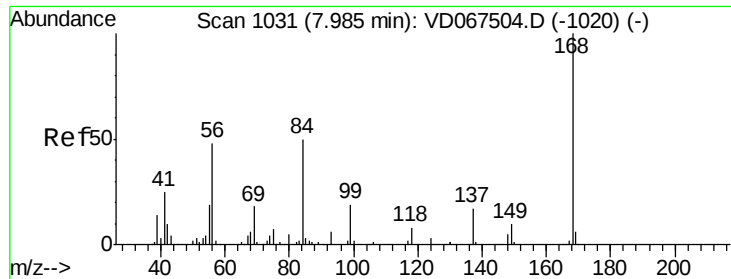
Manual Integrations
APPROVED

MMDadoda
11/17/2020 6:57:57 PM

Quant Time: Nov 17 01:19:23 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 04 00:56:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	72339	20.774	ug/l	99
94) Hexachlorobutadiene	15.27	225	48095	20.637	ug/l	99
95) Naphthalene	15.41	128	112170	20.873	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	62329	20.902	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: VD067633.D

Acq: 16 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBSD01

Tot Ion:168 Resp: 295814

Ion Ratio Lower Upper

168 100

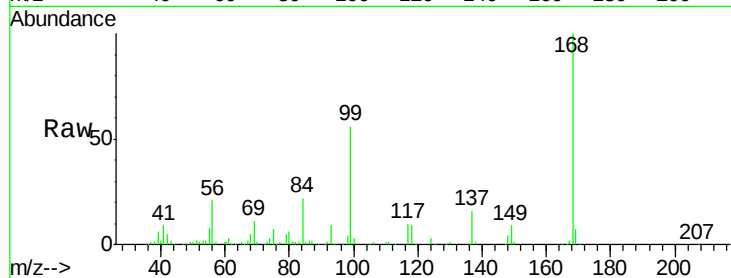
99 55.7 45.0 67.6

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

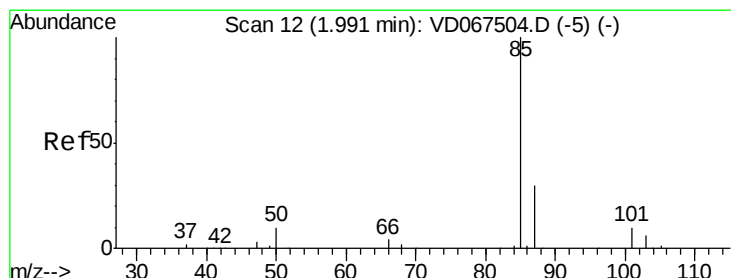
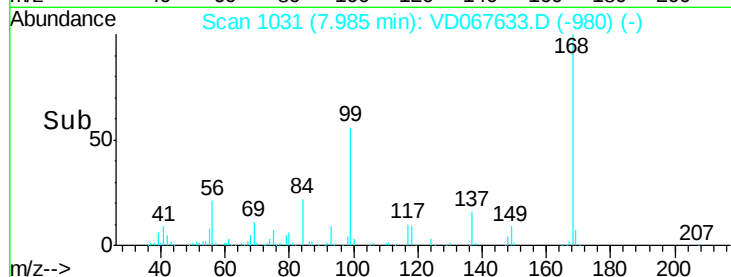
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.616 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD067633.D

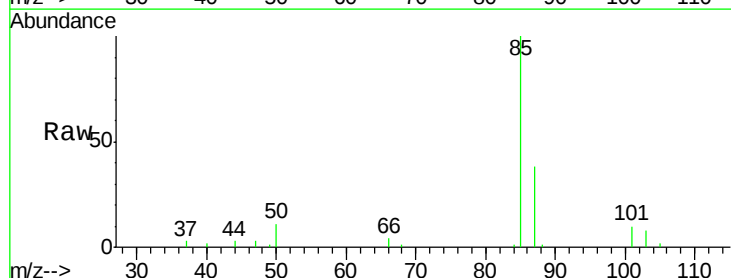
Acq: 16 Nov 2020 11:45

Tgt Ion: 85 Resp: 53588

Ion Ratio Lower Upper

85 100

87 38.4 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

30000

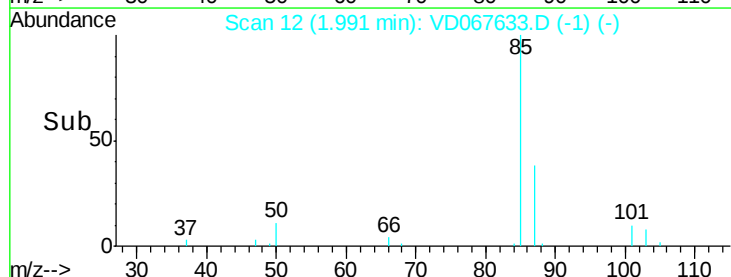
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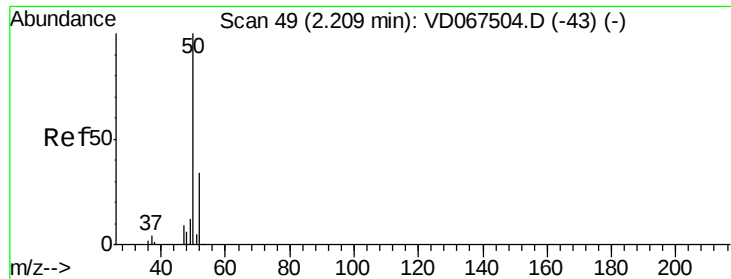
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 17.680 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBS01

Tot Ion: 50 Resp: 32568

Ion Ratio Lower Upper

50 100

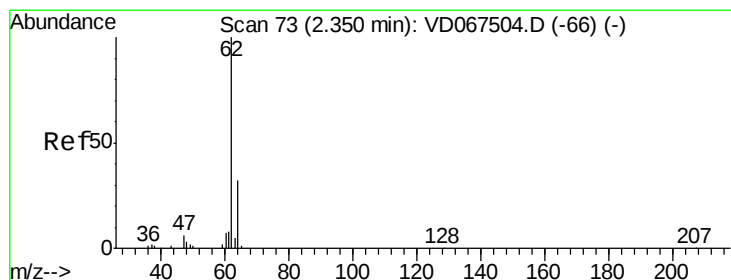
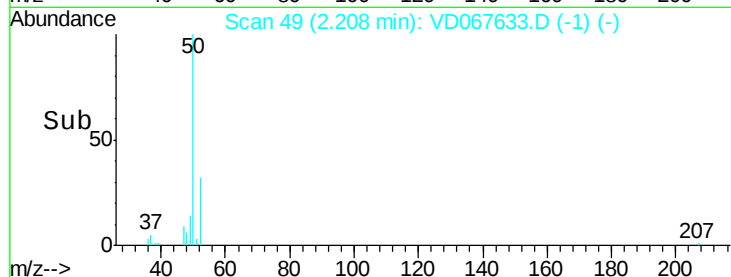
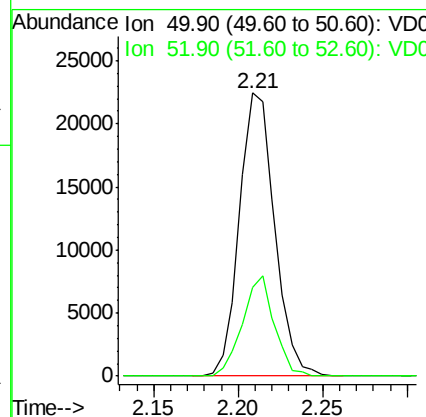
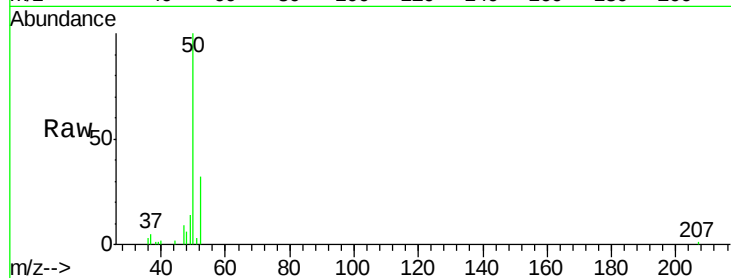
52 31.5 27.3 40.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.223 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD067633.D

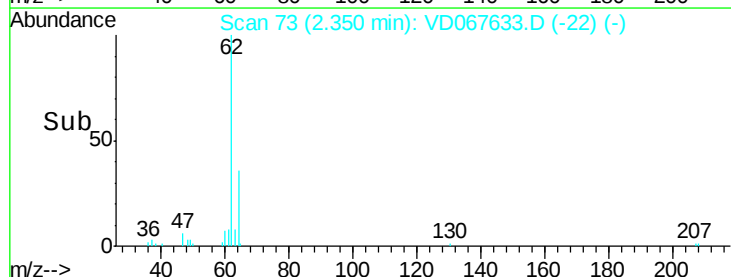
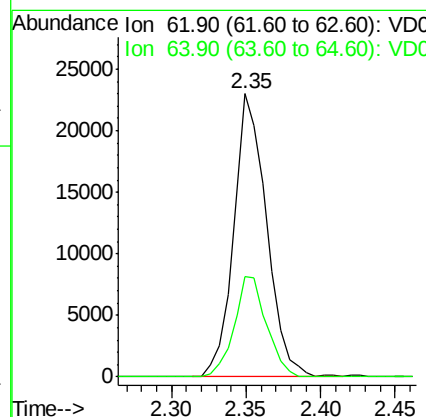
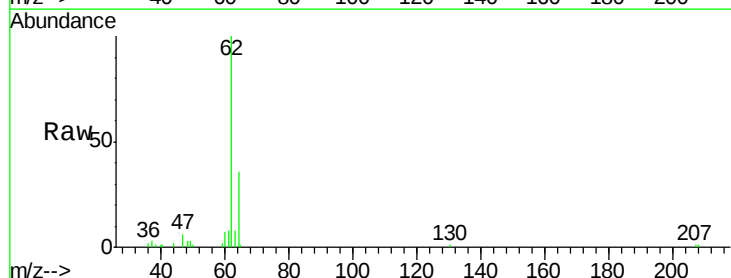
Acq: 16 Nov 2020 11:45

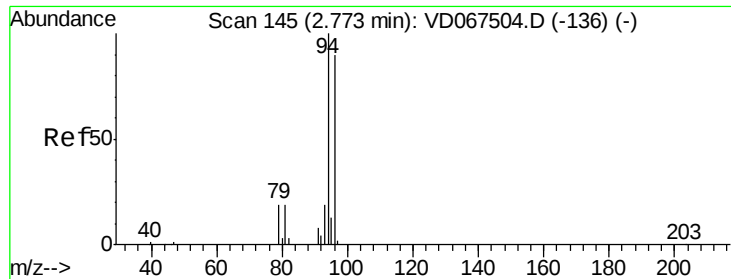
Tgt Ion: 62 Resp: 35371

Ion Ratio Lower Upper

62 100

64 35.5 25.6 38.4





#5

Bromomethane

Concen: 18.995 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBS01

Tot Ion: 94 Resp: 31619

Ion Ratio Lower Upper

94 100

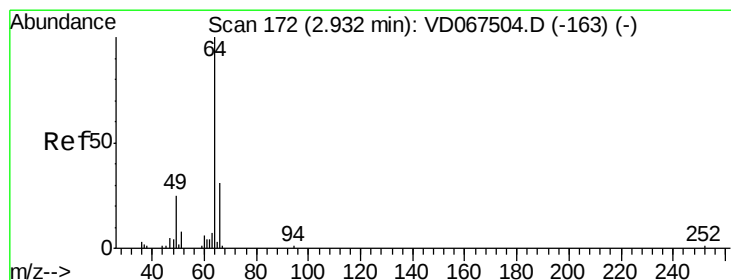
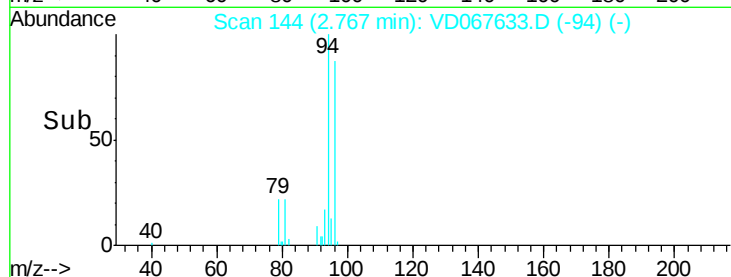
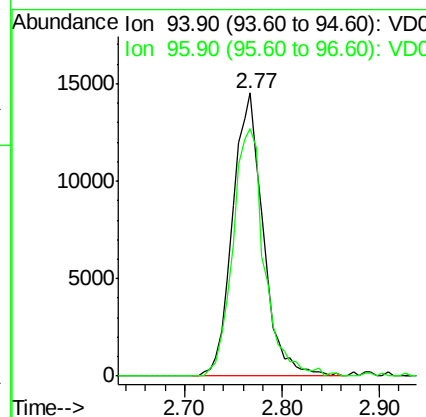
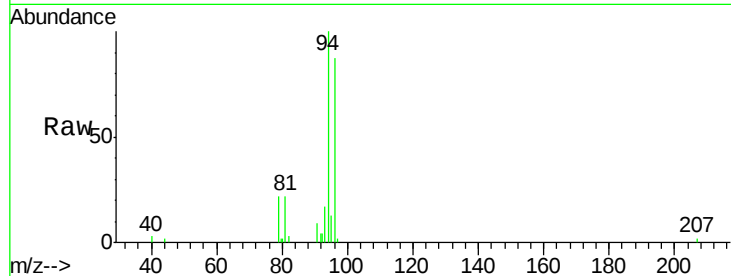
96 87.4 72.2 108.2

Manual Integrations

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#6

Chloroethane

Concen: 17.801 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.01 min

Lab File: VD067633.D

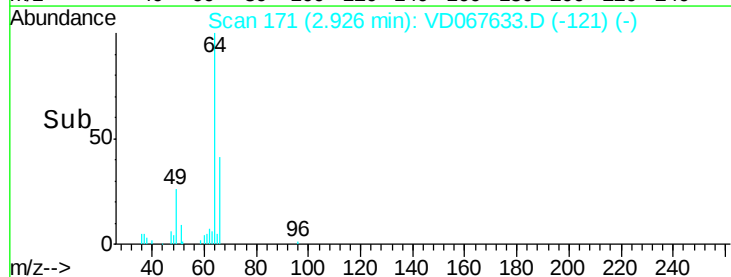
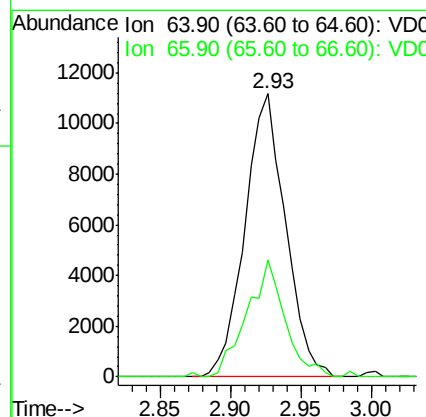
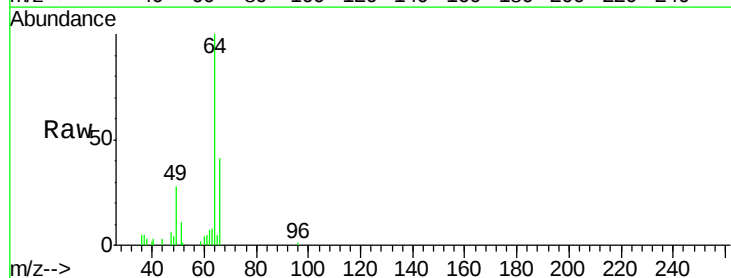
Acq: 16 Nov 2020 11:45

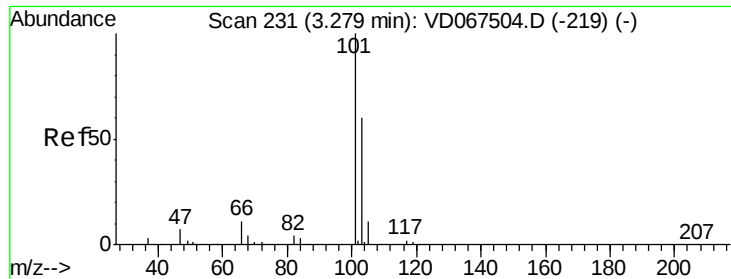
Tgt Ion: 64 Resp: 22539

Ion Ratio Lower Upper

64 100

66 41.1 24.6 36.8#





#7

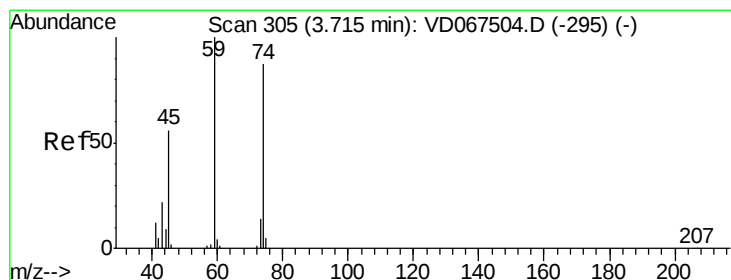
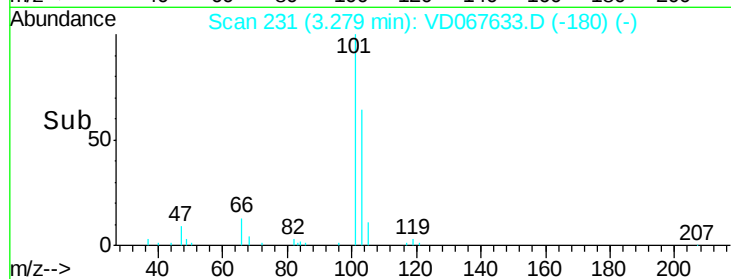
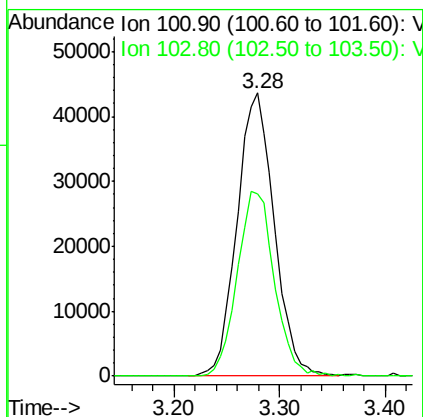
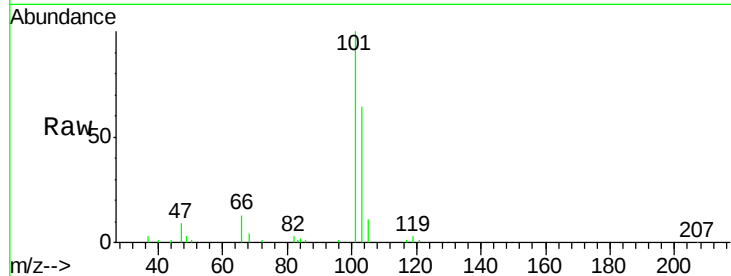
Trichlorofluoromethane
Concen: 20.015 ug/l
RT: 3.28 min Scan# 231
Delta R.T. -0.00 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	48.1	72.1

Manual Integrations
APPROVED

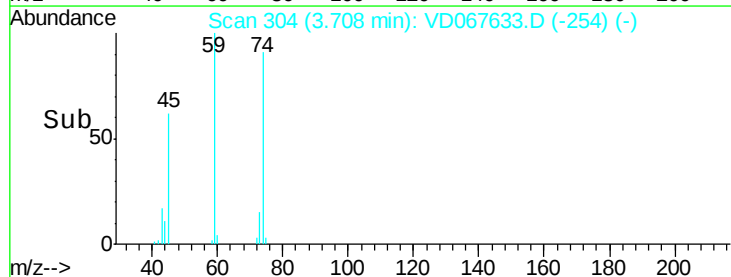
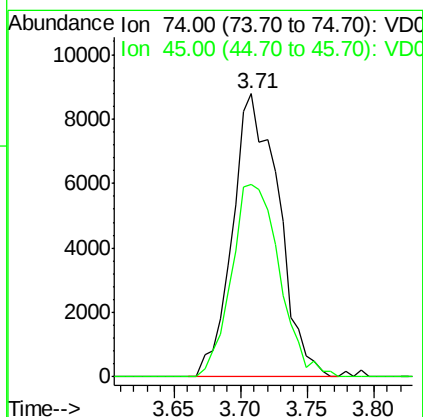
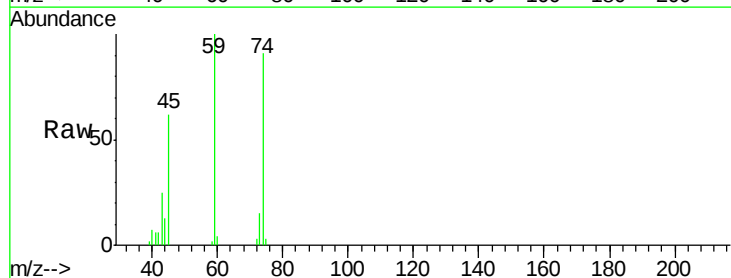
MMDadoda
11/17/2020 6:57:57 PM

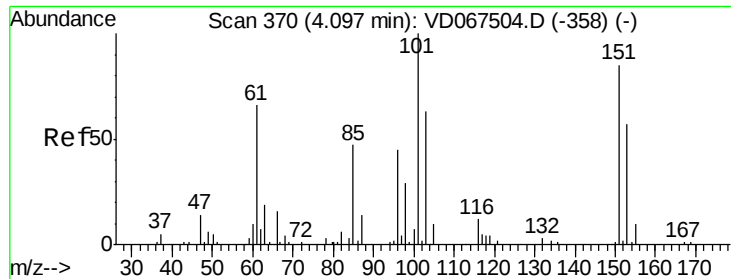


#8

Diethyl Ether
Concen: 19.627 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.01 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	70.9	38.2	114.6





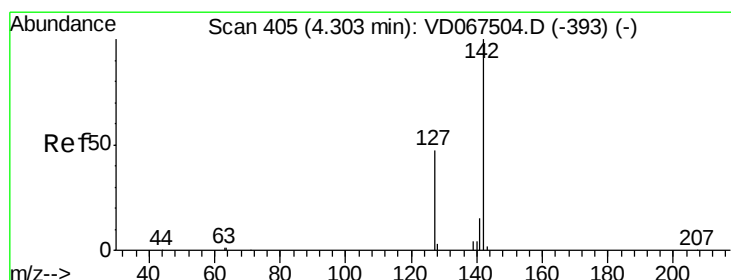
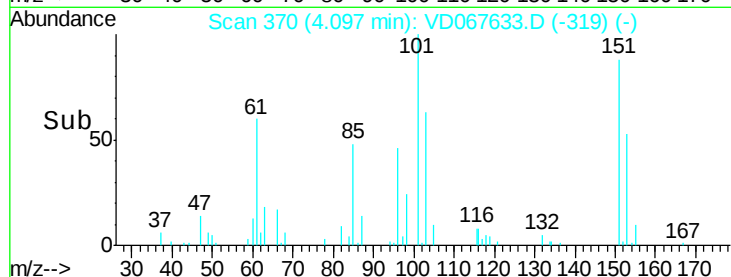
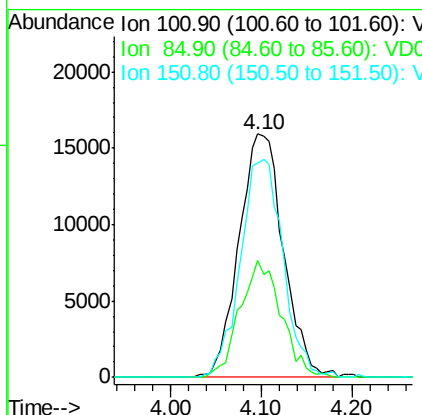
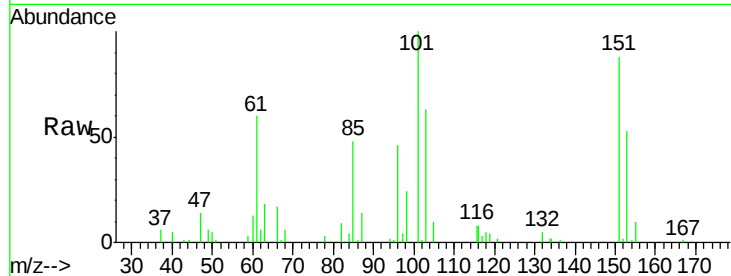
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.189 ug/l
 RT: 4.10 min Scan# 370
 Delta R.T. -0.00 min
 Lab File: VD067633.D
 Acq: 16 Nov 2020 11:45

Instrument :
 MSVOA_D
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 VD1116SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	44.7	34.4	51.6
151	86.4	68.1	102.1

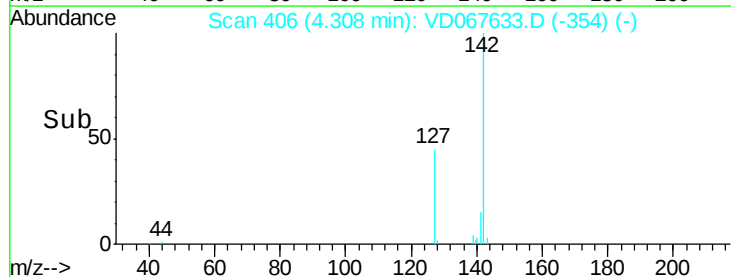
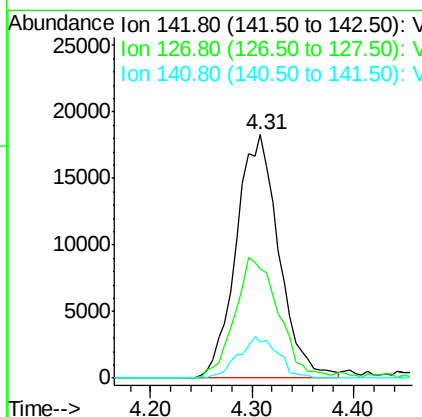
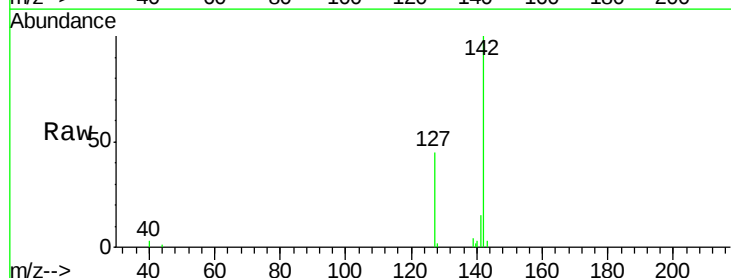
Manual Integrations
 APPROVED

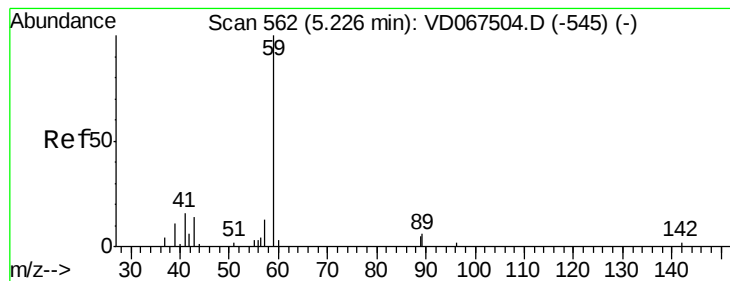
MMDadoda
 11/17/2020 6:57:57 PM



#10
 Methyl Iodide
 Concen: 18.663 ug/l
 RT: 4.31 min Scan# 406
 Delta R.T. 0.01 min
 Lab File: VD067633.D
 Acq: 16 Nov 2020 11:45

Tgt Ion	Ratio	Lower	Upper
142	100		
127	50.6	40.0	60.0
141	15.8	11.7	17.5





#11

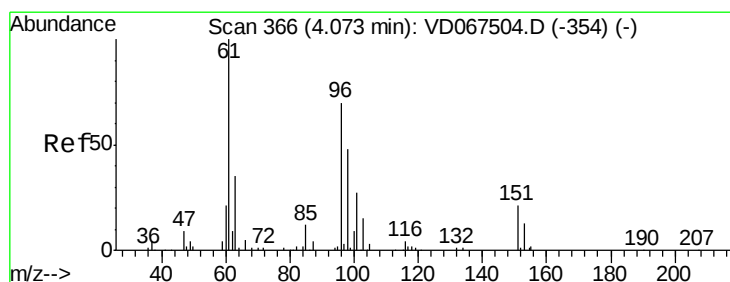
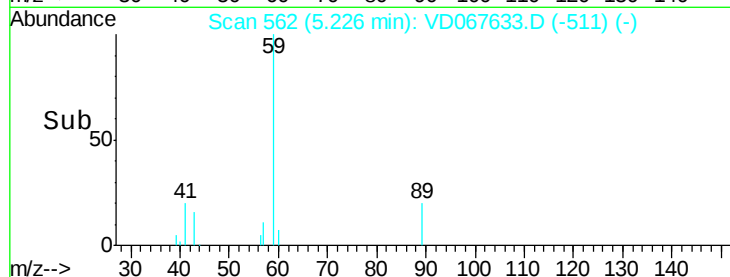
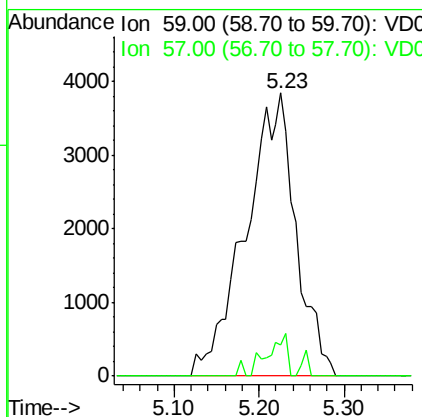
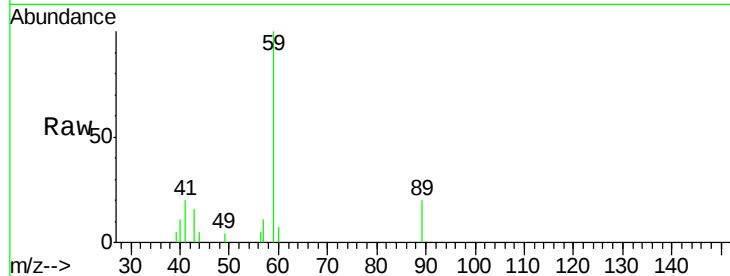
Tert butyl alcohol
Concen: 132.233 ug/l m
RT: 5.23 min Scan# 562
Delta R.T. -0.00 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

Tot Ion: 59 Resp: 15800
Ion Ratio Lower Upper
59 100
57 0.0 5.9 8.9#

Manual Integrations
APPROVED

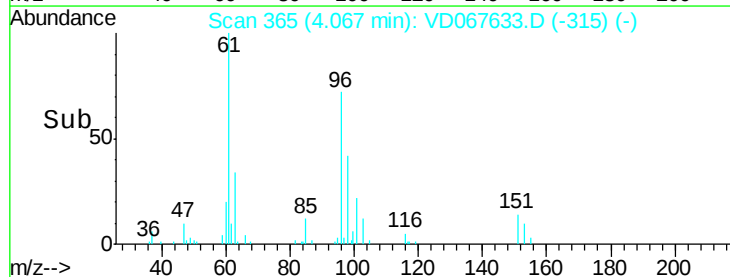
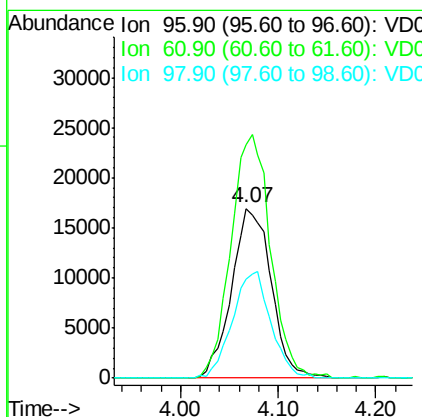
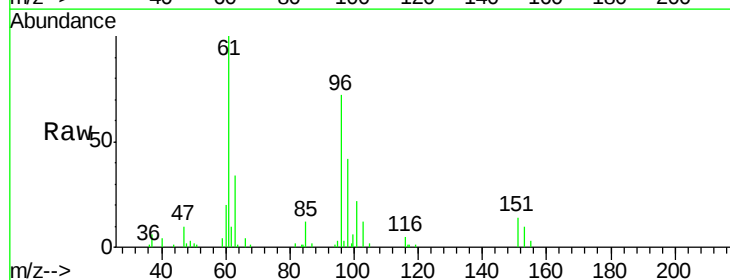
MMDadoda
11/17/2020 6:57:57 PM

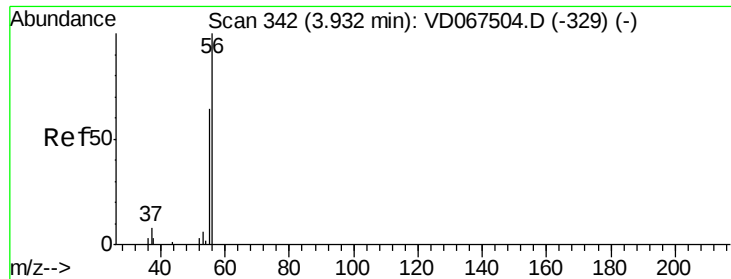


#12

1,1-Dichloroethene
Concen: 19.332 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.01 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Tgt Ion: 96 Resp: 47731
Ion Ratio Lower Upper
96 100
61 137.9 114.5 171.7
98 58.2 54.5 81.7





#13

Acrolein

Concen: 59.166 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBS01

Tot Ion: 56 Resp: 3990

Ion Ratio Lower Upper

56 100

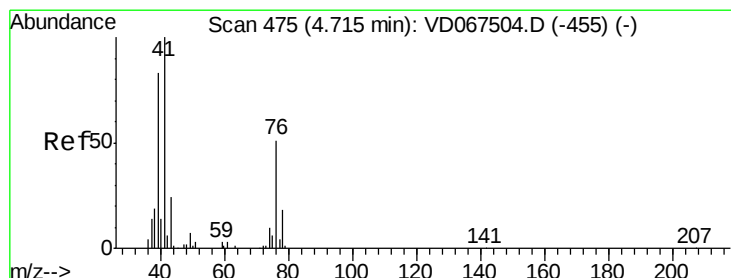
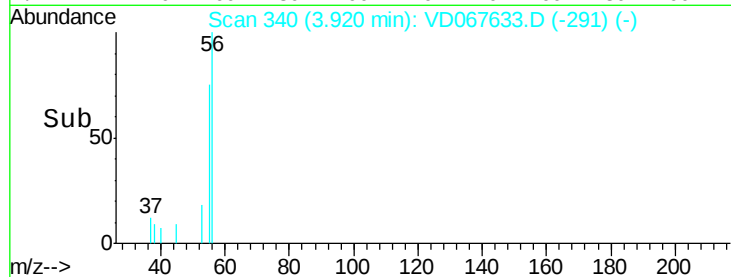
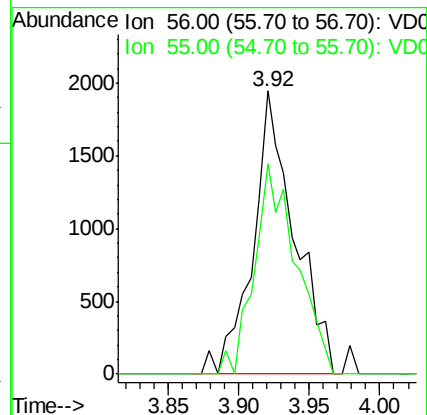
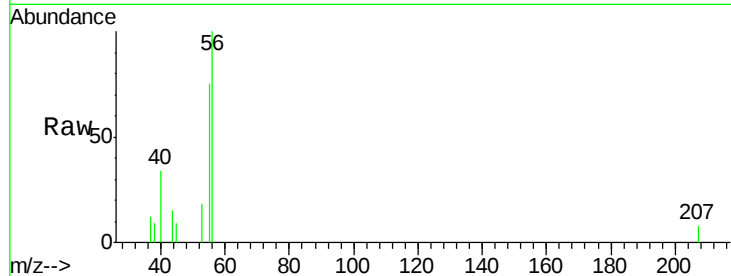
55 75.2 55.8 83.8

Manual Integrations

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11/17/2020 6:57:57 PM



#14

Allyl chloride

Concen: 18.261 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

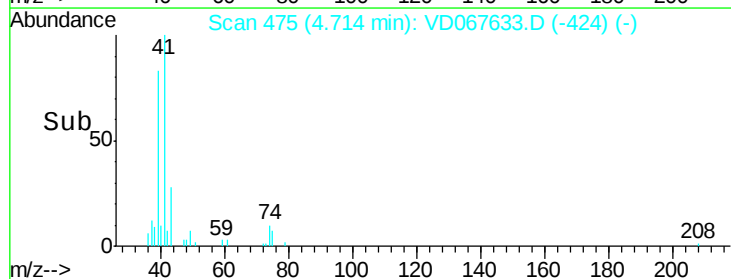
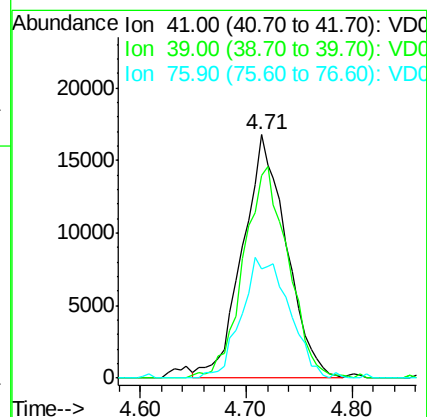
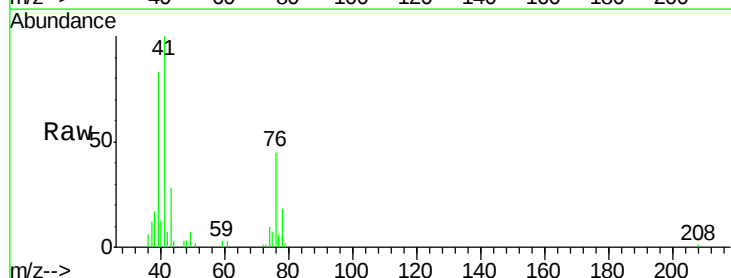
Tgt Ion: 41 Resp: 48253

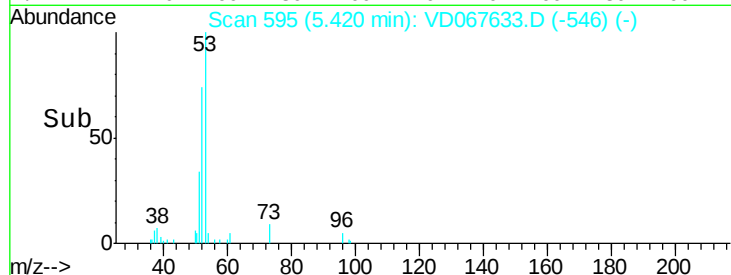
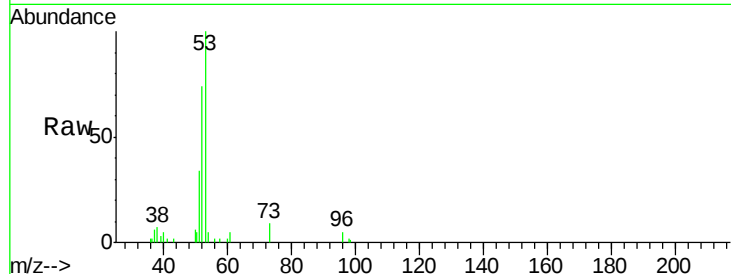
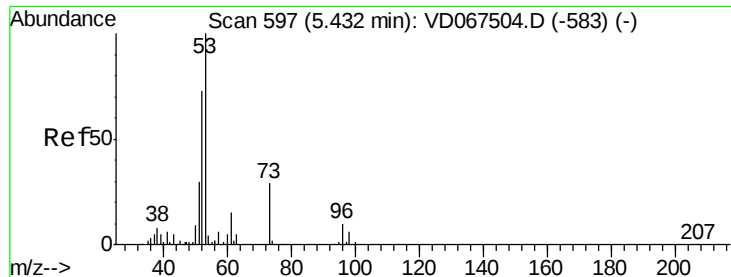
Ion Ratio Lower Upper

41 100

39 88.7 67.4 101.0

76 53.6 42.2 63.2





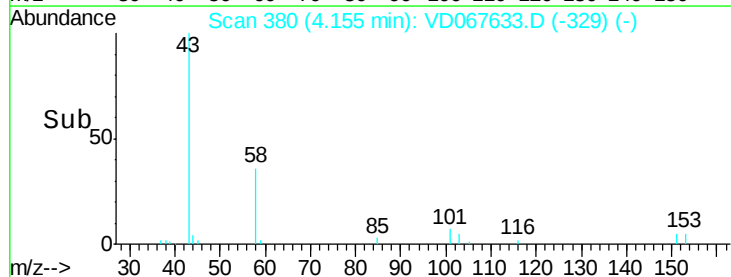
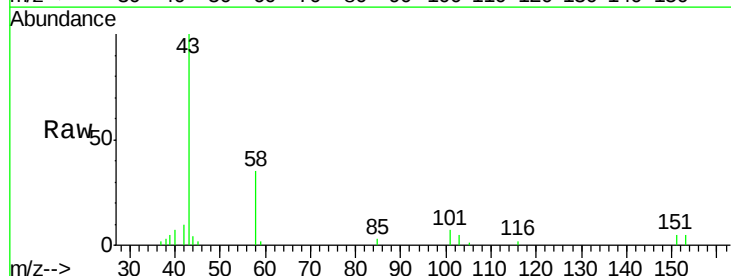
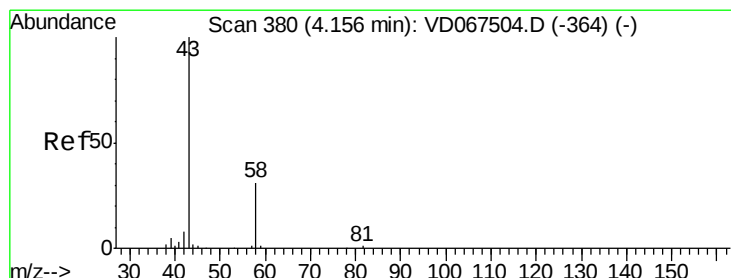
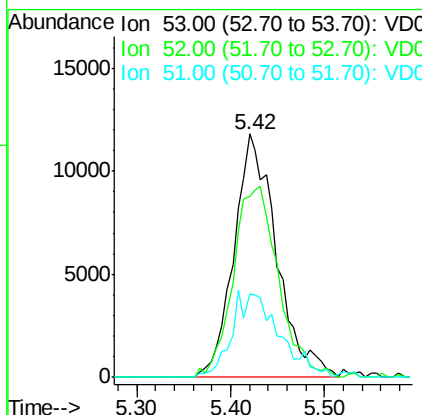
#15
Acrylonitrile
Concen: 93.292 ug/l
RT: 5.42 min Scan# 595
Delta R.T. -0.01 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.5	64.8	97.2
51	0.0	29.5	44.3#

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

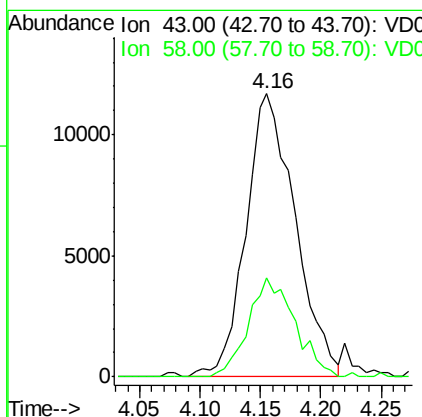
Manual Integrations
APPROVED

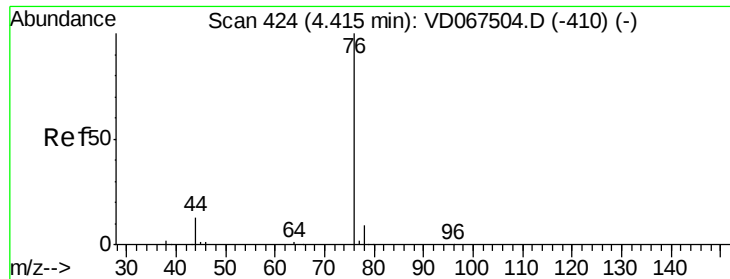
MMDadoda
11/17/2020 6:57:57 PM



#16
Acetone
Concen: 85.474 ug/l
RT: 4.16 min Scan# 380
Delta R.T. -0.00 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.9	25.2	37.8





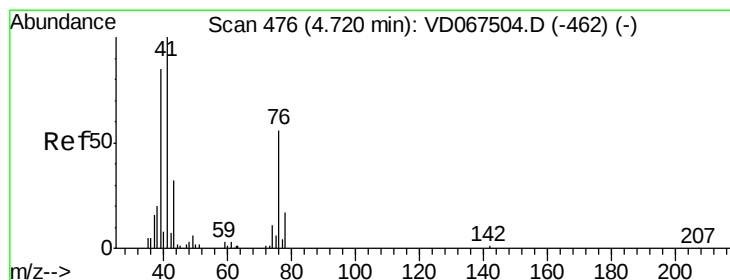
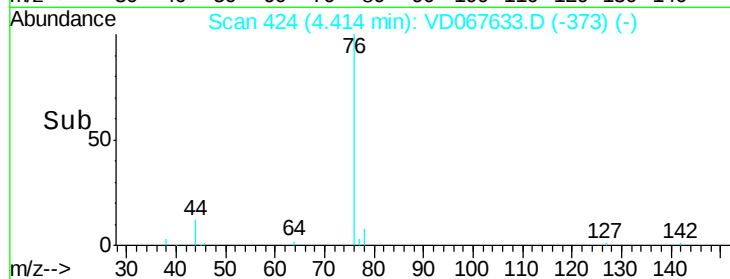
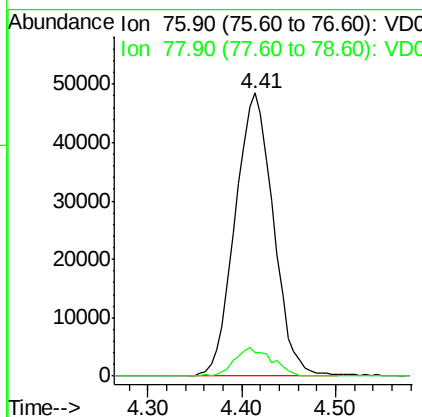
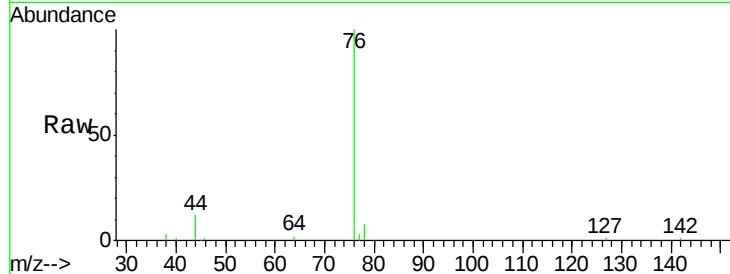
#17
Carbon Disulfide
Concen: 18.036 ug/l
RT: 4.41 min Scan# 424
Delta R.T. -0.00 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.2	10.8

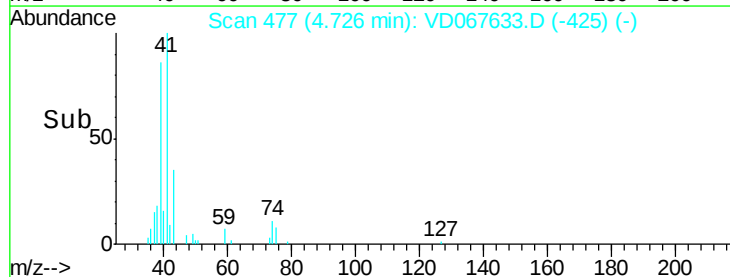
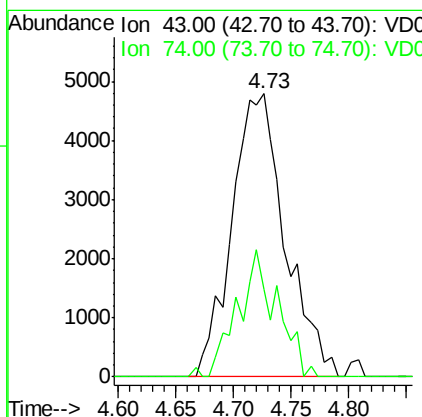
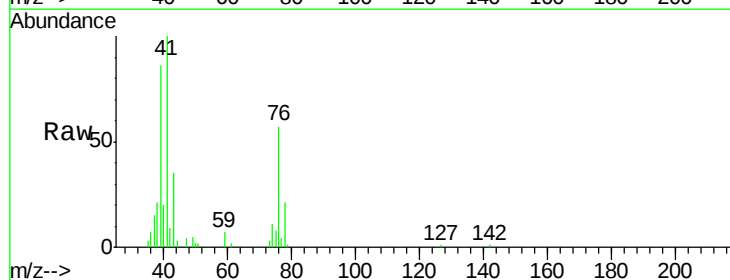
Manual Integrations
APPROVED

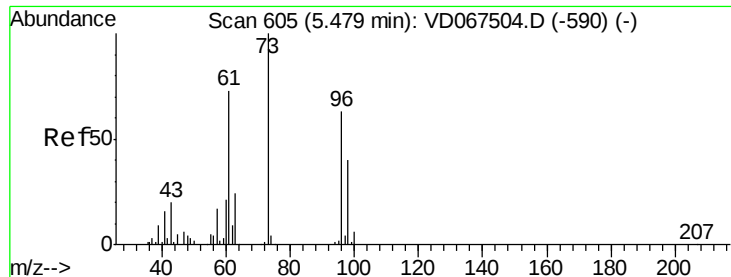
MMDadoda
11/17/2020 6:57:57 PM



#18
Methyl Acetate
Concen: 19.315 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Tgt Ion	Ratio	Lower	Upper
43	100		
74	32.7	27.2	40.8





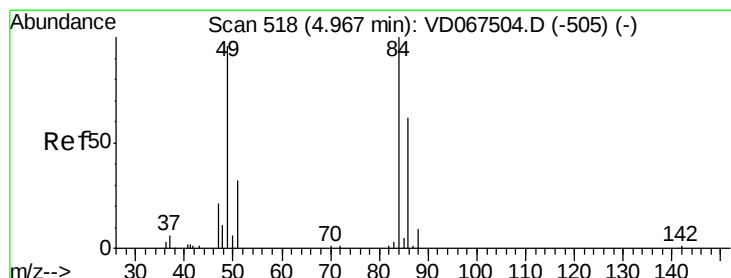
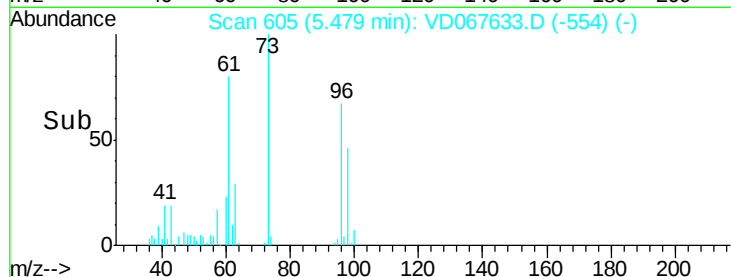
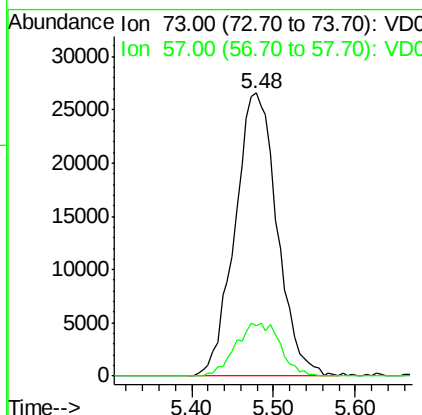
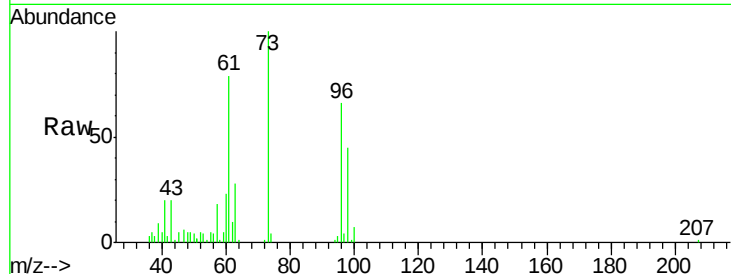
#19
Methvl tert-butvl Ether
Concen: 19.593 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

Tot Ion: 73 Resp: 95421
Ion Ratio Lower Upper
73 100
57 17.8 13.4 20.0

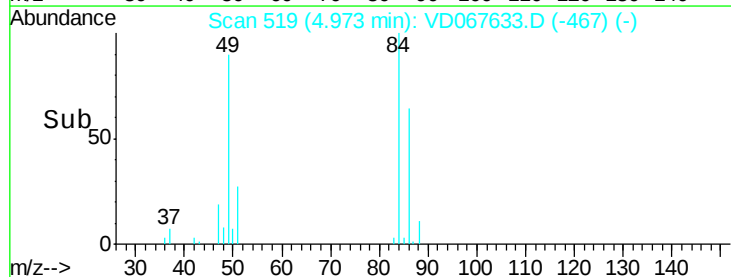
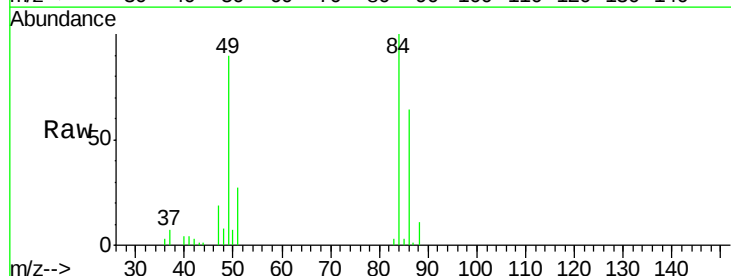
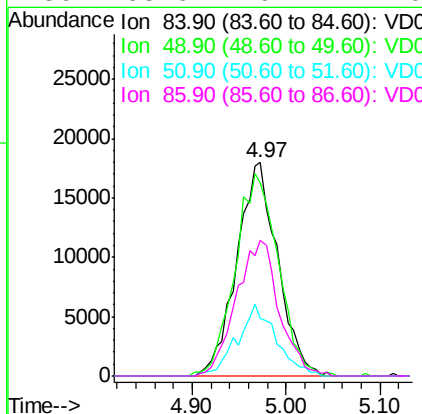
Manual Integrations
APPROVED

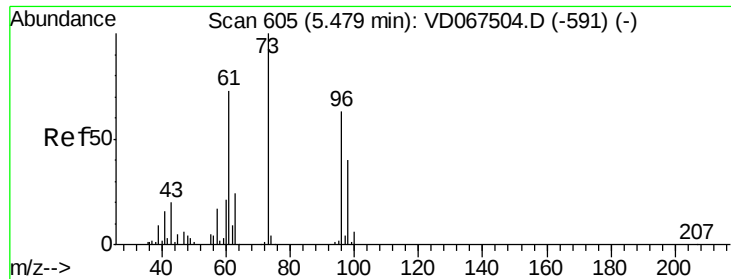
MMDadoda
11/17/2020 6:57:57 PM



#20
Methylene Chloride
Concen: 19.811 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Tgt Ion: 84 Resp: 54167
Ion Ratio Lower Upper
84 100
49 90.4 77.0 115.4
51 27.3 25.4 38.2
86 63.6 49.4 74.0





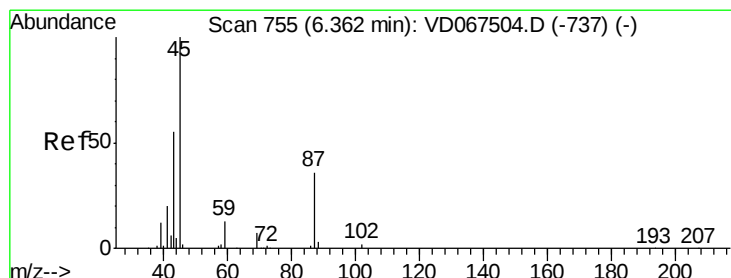
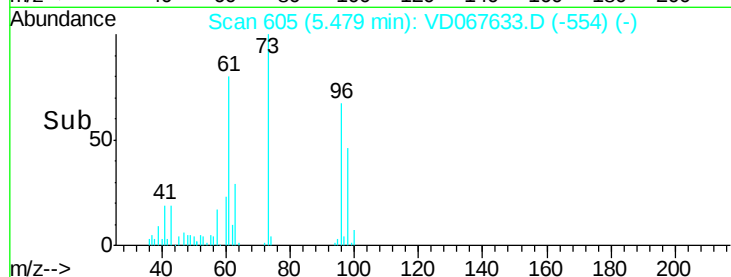
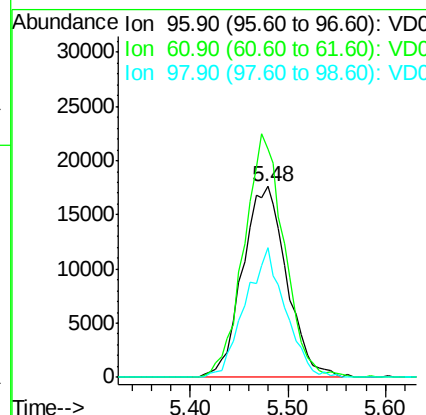
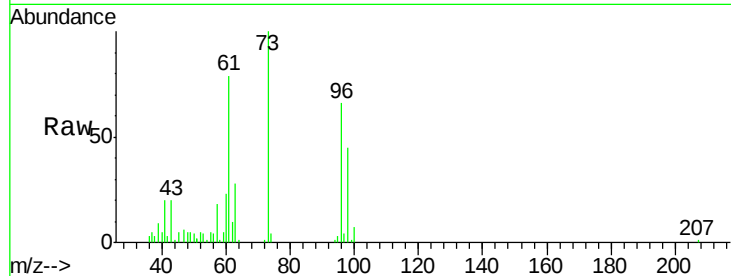
#21
trans-1,2-Dichloroethene
Concen: 19.364 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	119.5	93.0	139.6
98	68.3	50.9	76.3

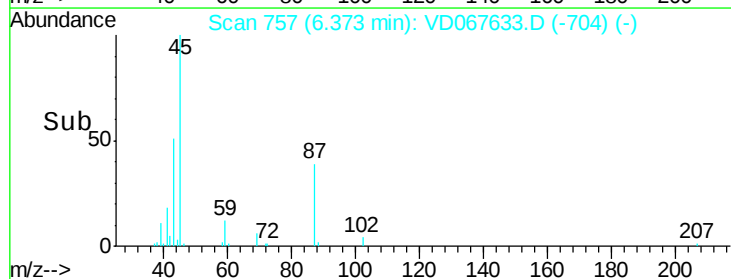
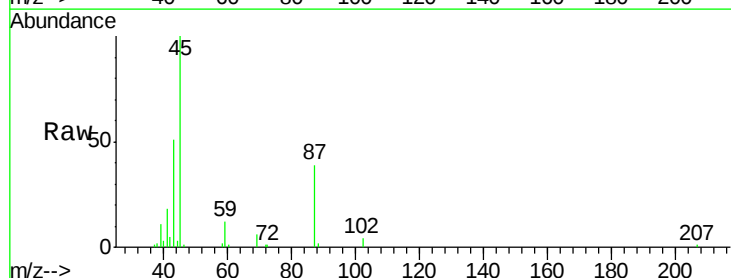
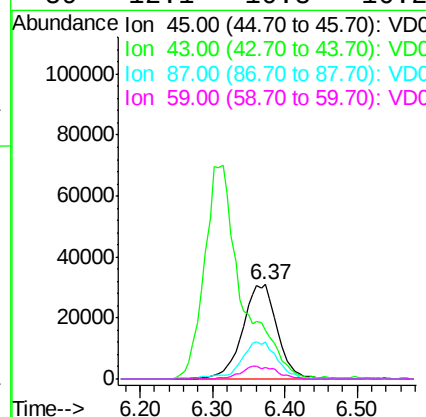
Manual Integrations
APPROVED

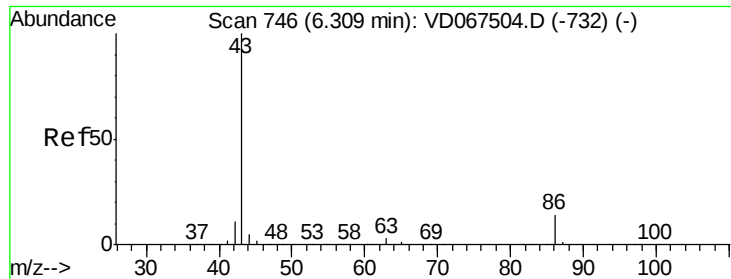
MMDadoda
11/17/2020 6:57:57 PM



#22
Diisopropyl ether
Concen: 19.881 ug/l
RT: 6.37 min Scan# 757
Delta R.T. 0.01 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Tgt Ion	Ratio	Lower	Upper
45	100		
43	50.4	46.2	69.4
87	38.0	29.4	44.2
59	12.1	10.8	16.2





#23

Vinyl Acetate

Concen: 93.449 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBS01

Tot Ion: 43 Resp: 251889

Ion Ratio Lower Upper

43 100

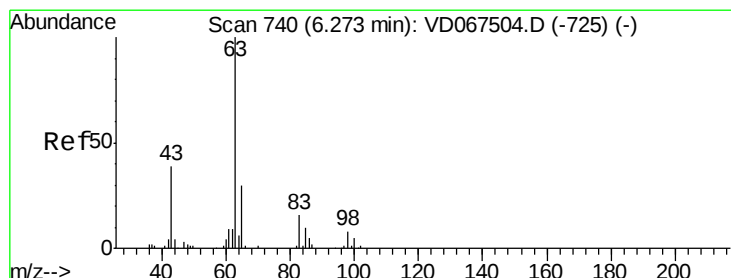
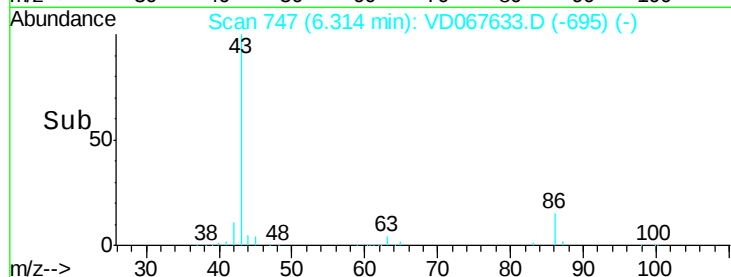
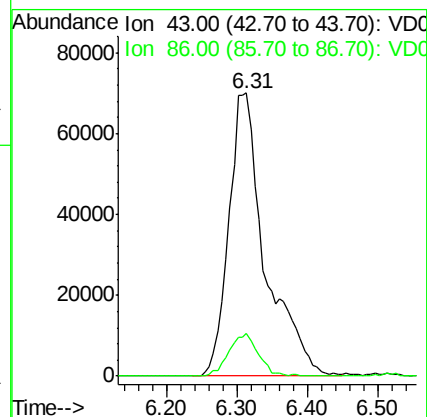
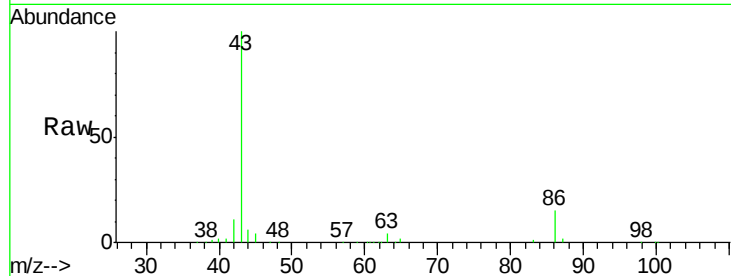
86 15.3 11.6 17.4

Manual Integrations

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MMDadoda

11/17/2020 6:57:57 PM



#24

1,1-Dichloroethane

Concen: 19.521 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

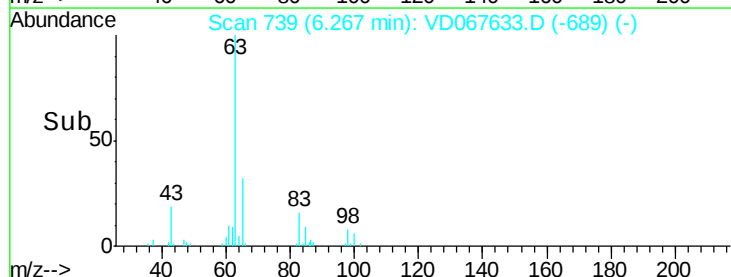
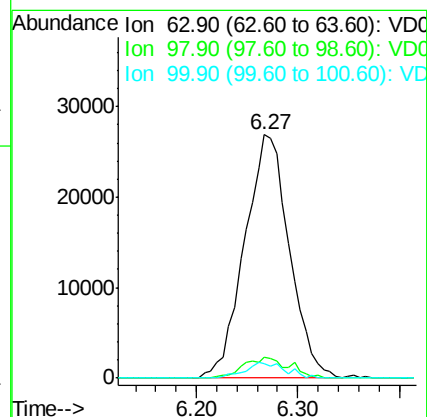
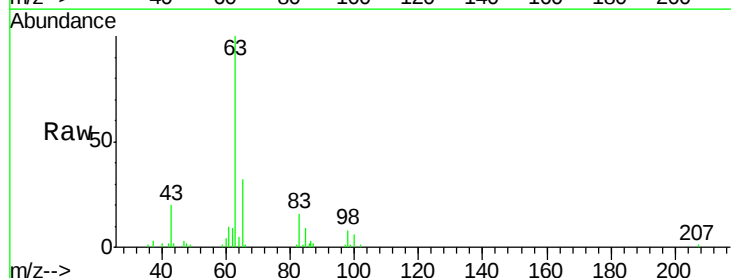
Tgt Ion: 63 Resp: 82234

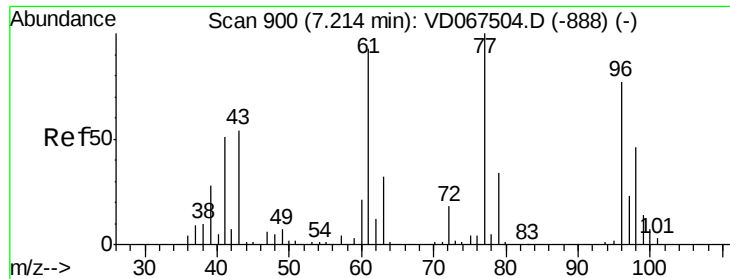
Ion Ratio Lower Upper

63 100

98 8.4 3.9 11.5

100 6.1 2.6 7.8





#25

2-Butanone

Concen: 95.213 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBS01

Tot Ion: 43 Resp: 39379

Ion Ratio Lower Upper

43 100

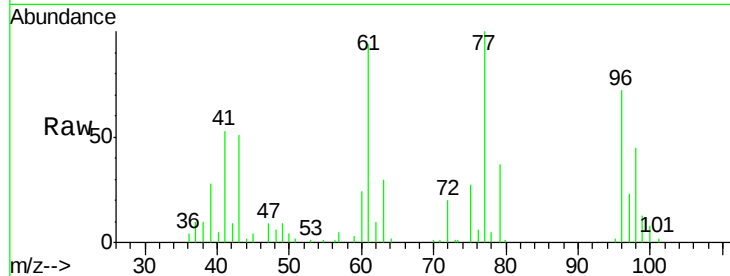
72 39.4 26.4 39.6

Manual Integrations

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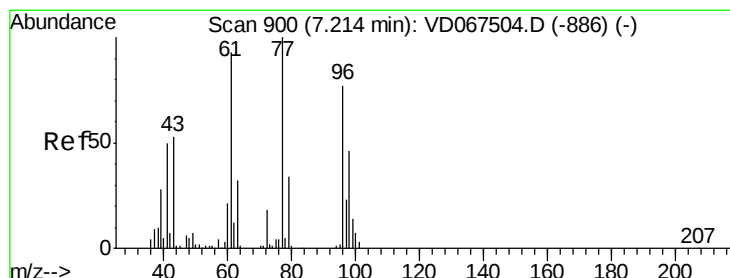
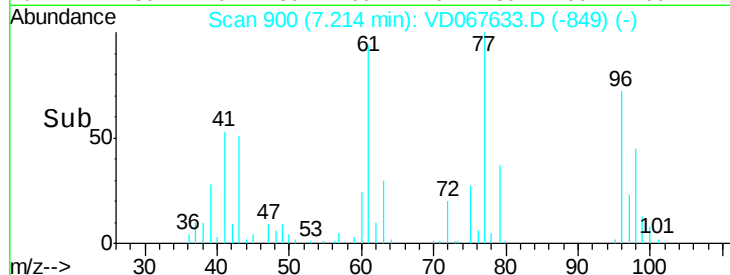
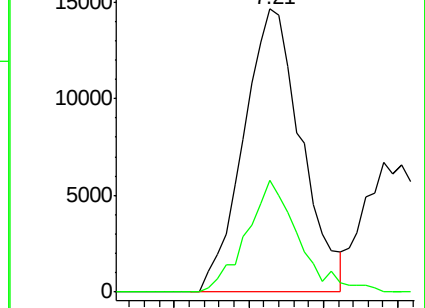
MMDadoda

11/17/2020 6:57:57 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.342 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067633.D

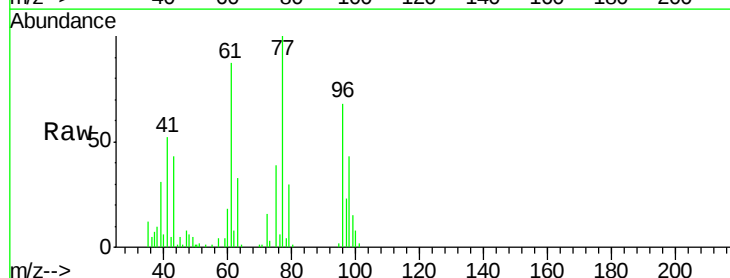
Acq: 16 Nov 2020 11:45

Tgt Ion: 77 Resp: 90441

Ion Ratio Lower Upper

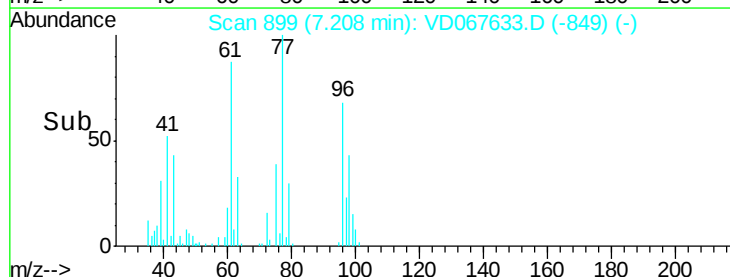
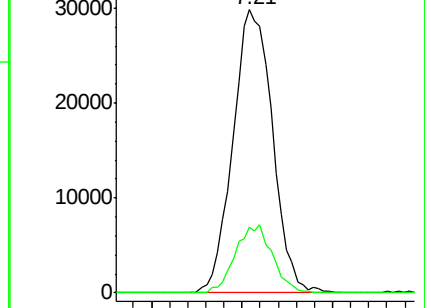
77 100

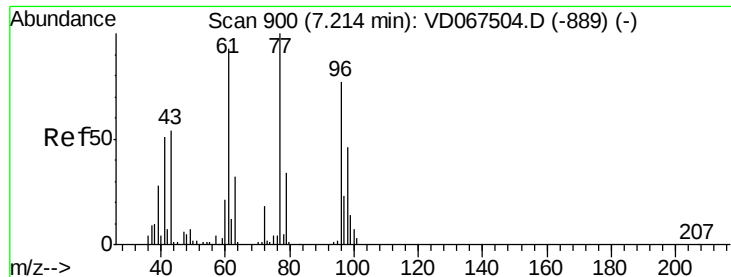
97 22.4 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

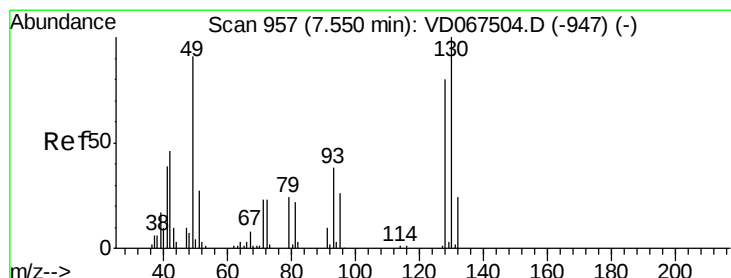
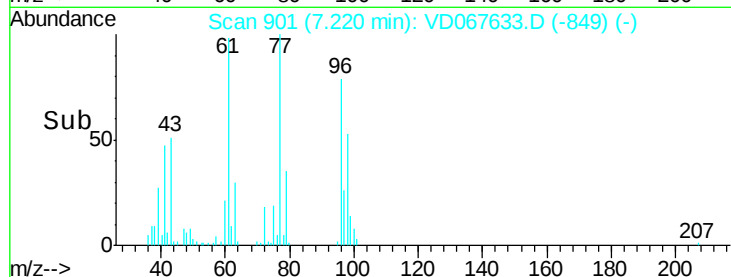
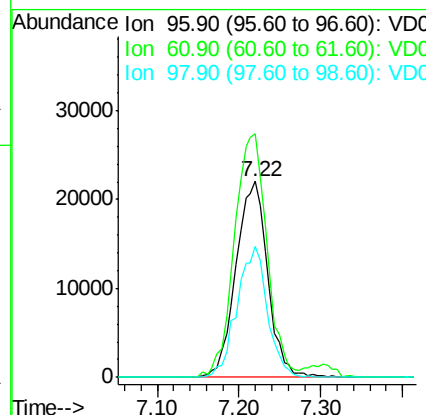
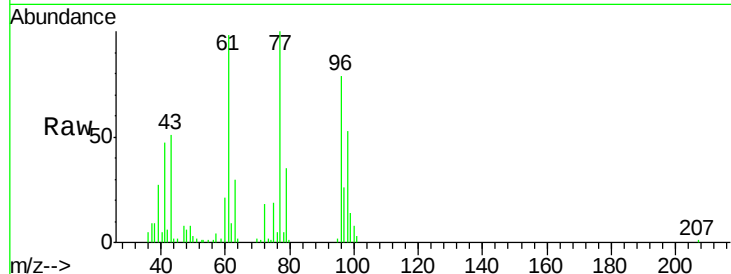
cis-1,2-Dichloroethene
Concen: 19.937 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	127.4	0.0	251.6	
98	63.6	0.0	128.0	

Manual Integrations
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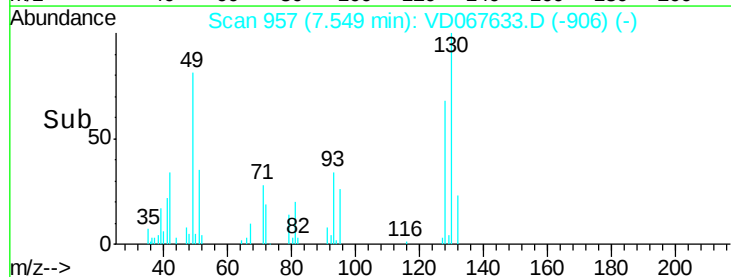
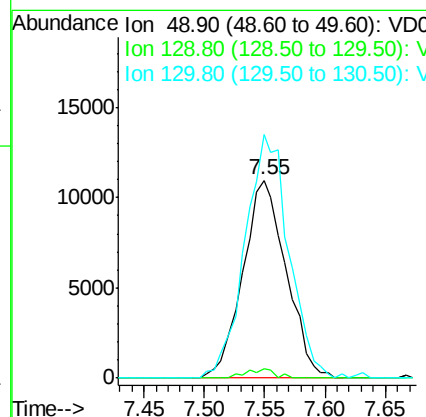
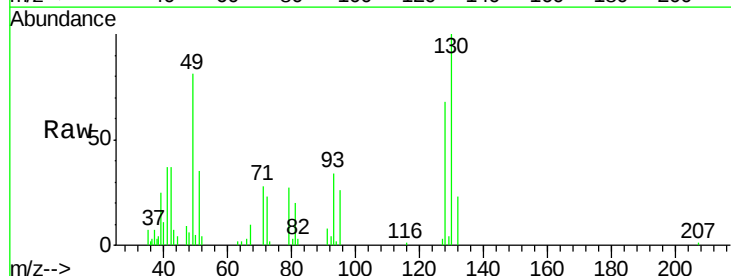
MMDadoda
11/17/2020 6:57:57 PM

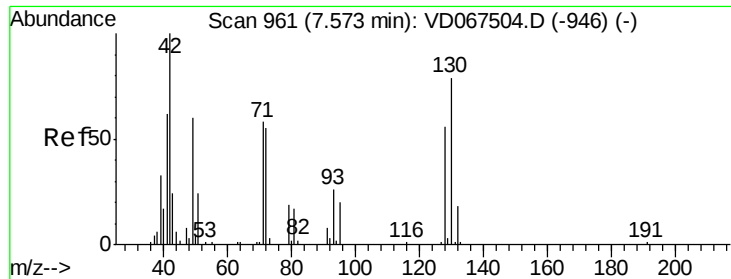


#28

Bromochloromethane
Concen: 18.237 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	3.1	0.0	6.4	
130	124.0	94.6	142.0	





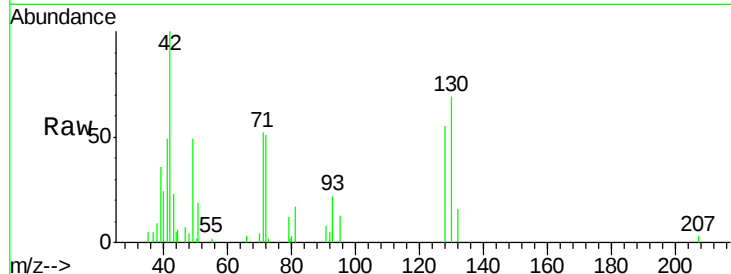
#29
Tetrahydrofuran
Concen: 93.844 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

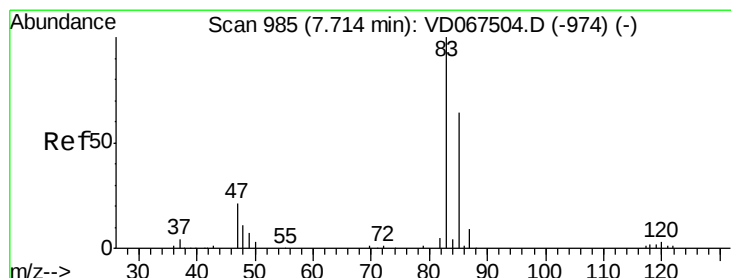
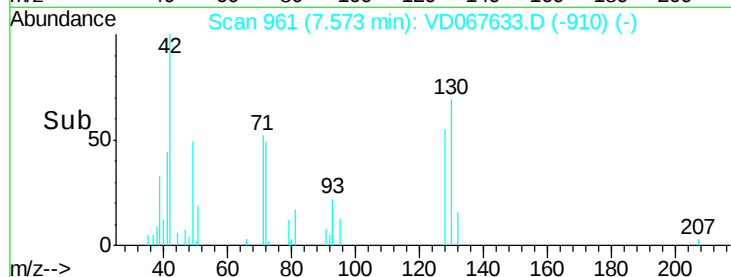
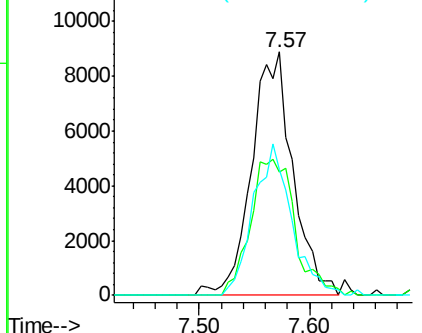
Tot Ion:	42	Resp:	23249
Ion	Ratio	Lower	Upper
42	100		
72	60.8	46.3	69.5
71	57.9	44.0	66.0

Manual Integrations
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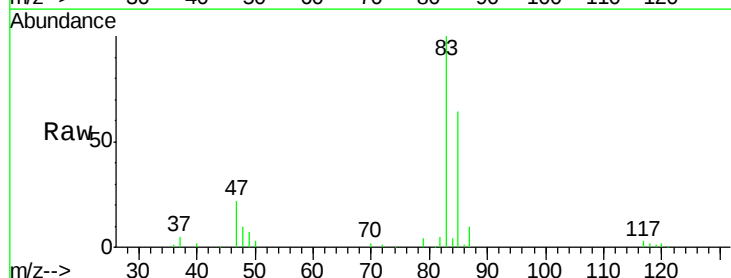


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

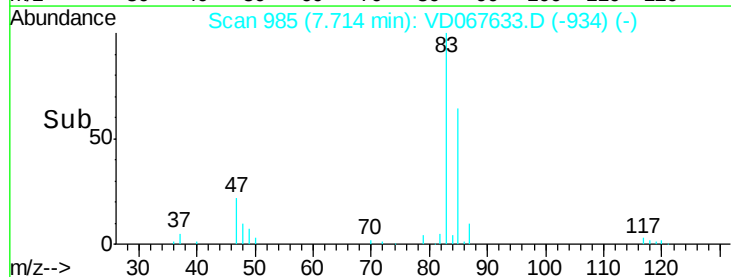
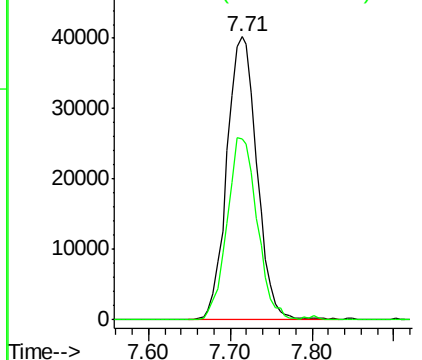


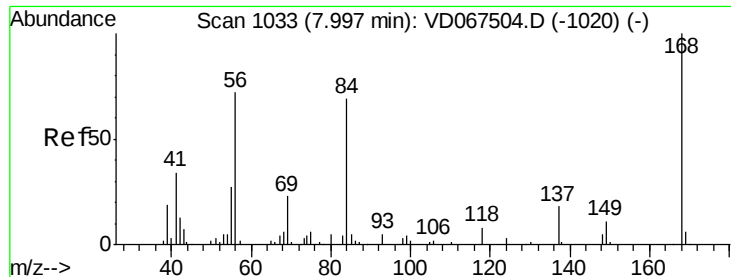
#30
Chloroform
Concen: 20.445 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Tgt Ion:	83	Resp:	102753
Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.5	77.3



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





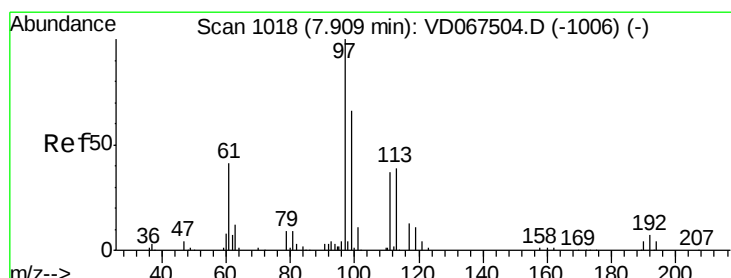
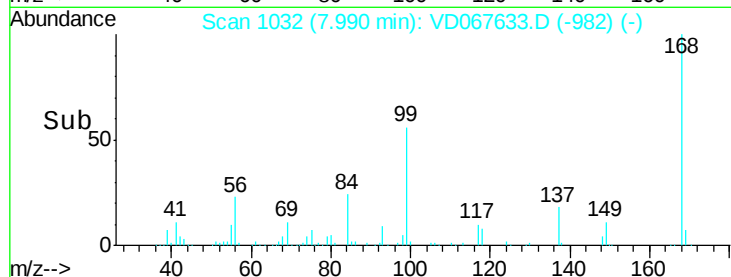
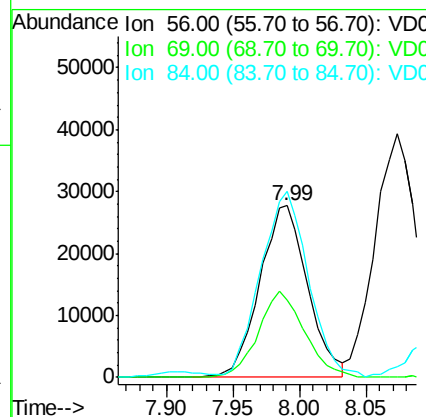
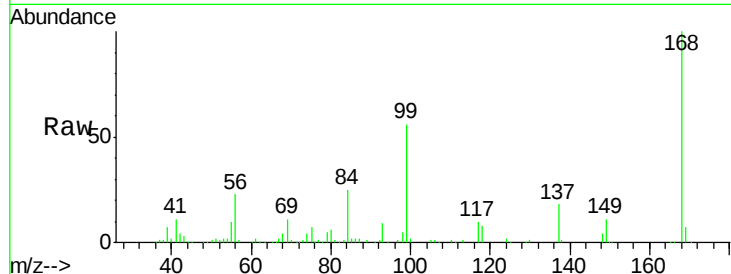
#31
Cyclohexane
Concen: 18.401 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. -0.01 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	45.0	25.9	38.9#
84	105.7	76.2	114.4

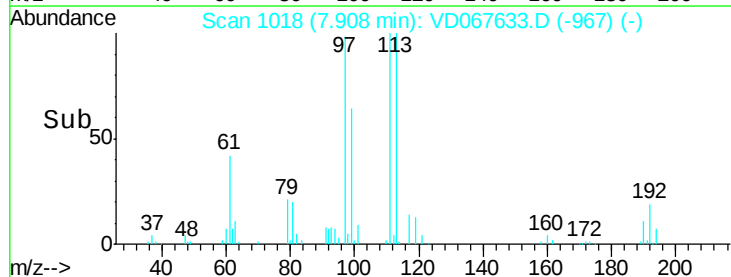
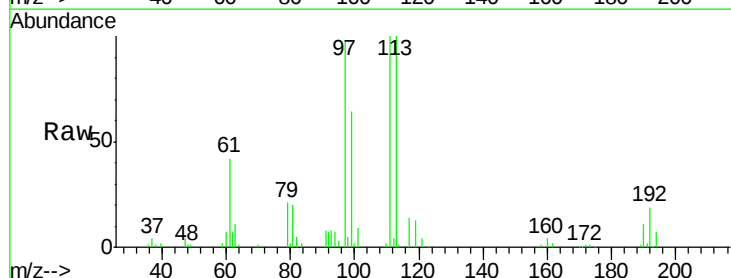
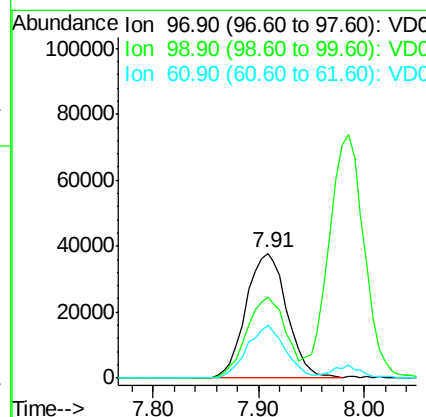
Manual Integrations
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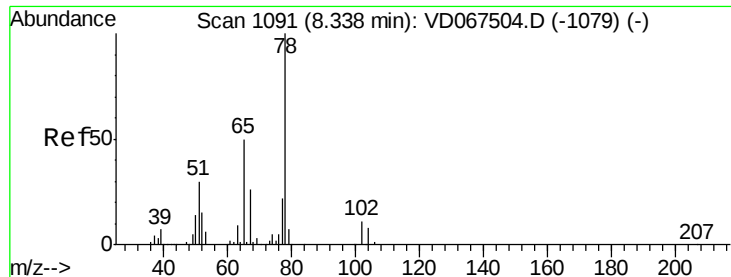
MMDadoda
11/17/2020 6:57:57 PM



#32
1,1,1-Trichloroethane
Concen: 19.654 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.1	51.8	77.6
61	39.3	30.5	45.7





#33

1,2-Dichloroethane-d4

Concen: 44.186 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBSD01

Tot Ion: 65 Resp: 114290

Ion Ratio Lower Upper

65 100

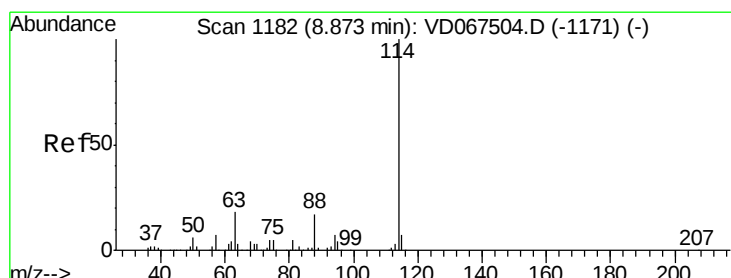
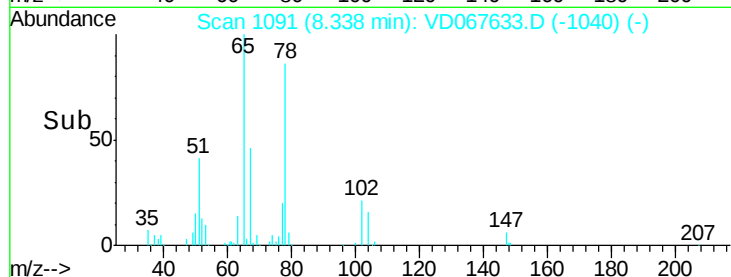
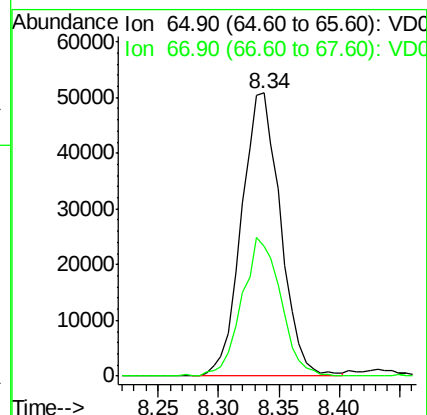
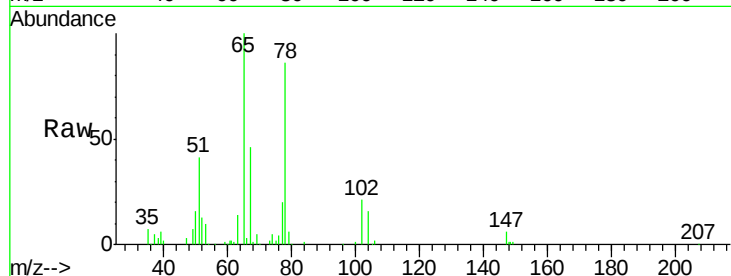
67 48.6 0.0 99.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

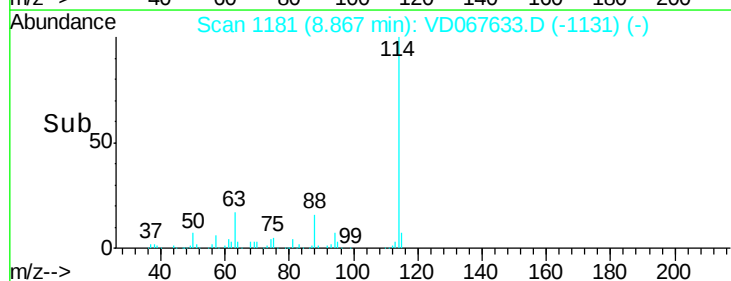
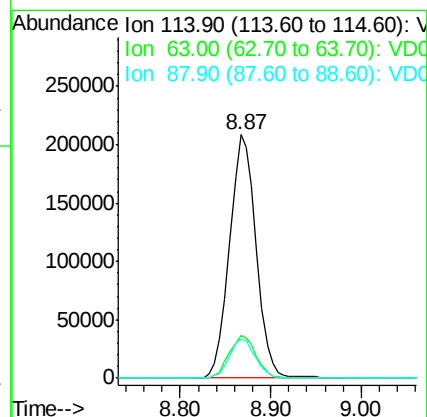
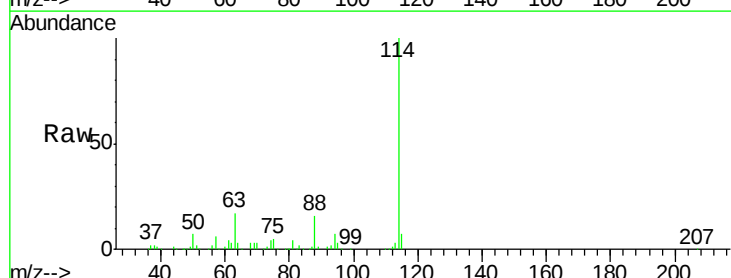
Tgt Ion: 114 Resp: 424954

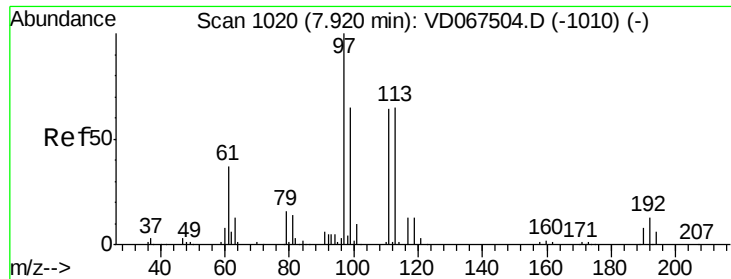
Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.0

88 16.1 0.0 33.0





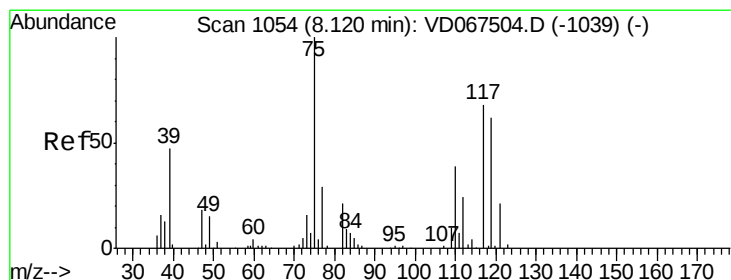
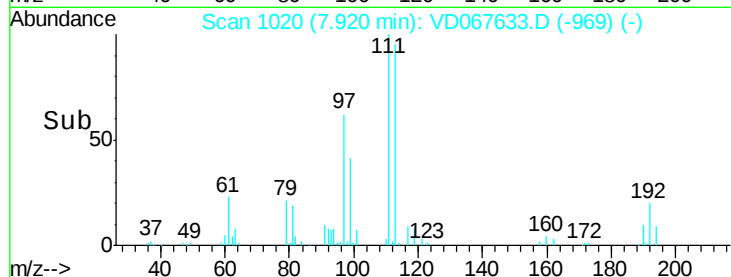
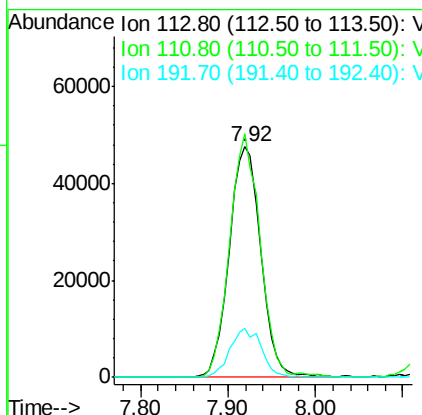
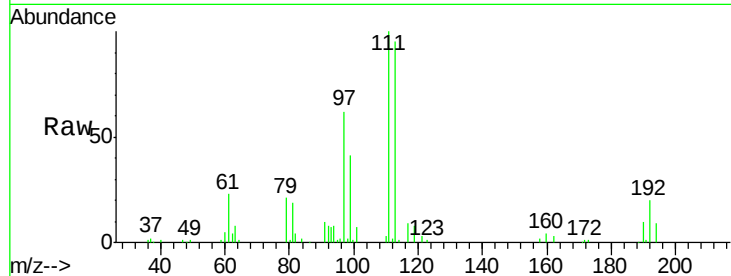
#35
 Dibromofluoromethane
 Concen: 45.677 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067633.D
 Acq: 16 Nov 2020 11:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.8	80.0	120.0	
192	21.1	16.3	24.5	

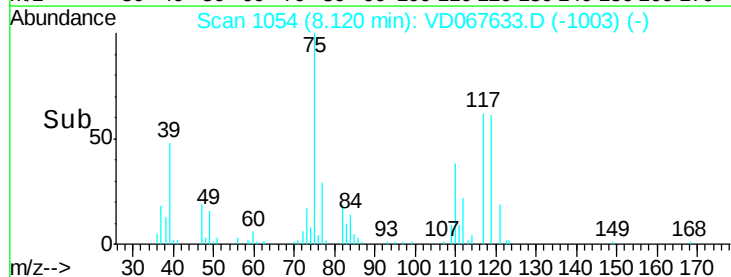
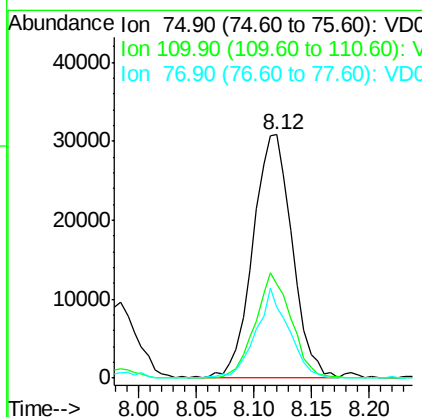
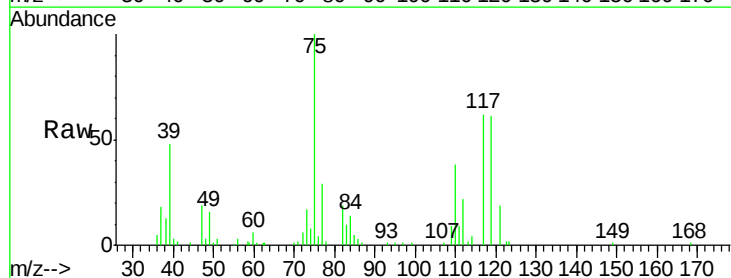
Manual Integrations
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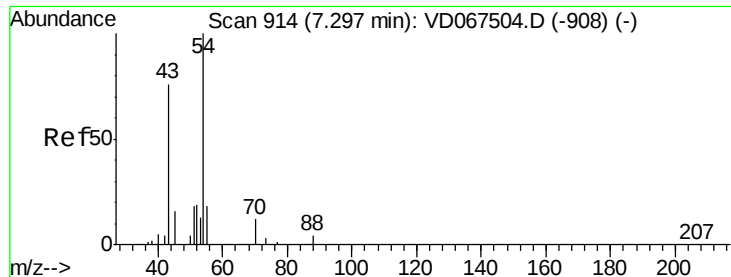
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 11/17/2020 6:57:57 PM



#36
 1,1-Dichloropropene
 Concen: 20.164 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VD067633.D
 Acq: 16 Nov 2020 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	39.6	19.9	59.7	
77	30.8	24.8	37.2	





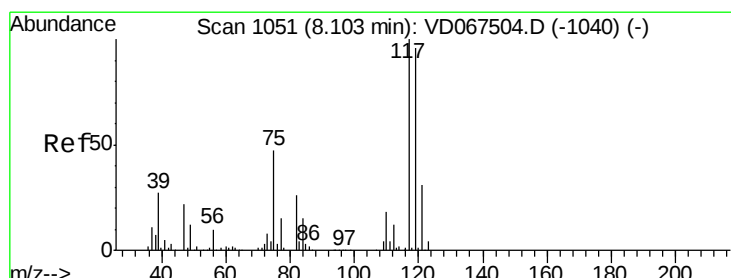
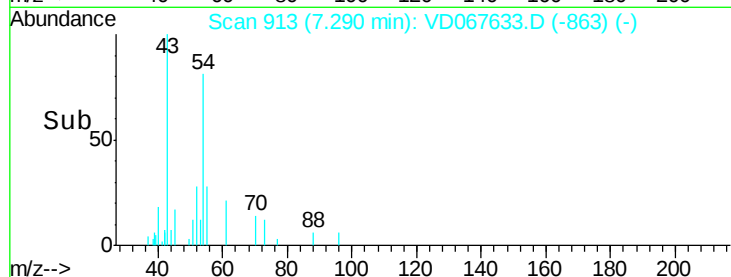
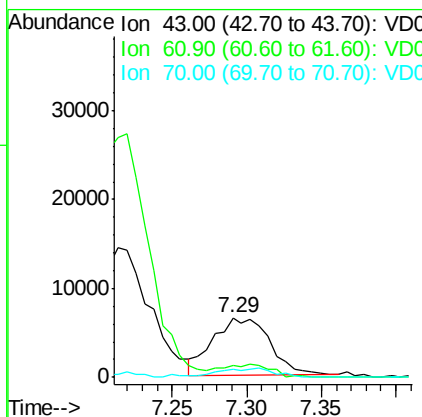
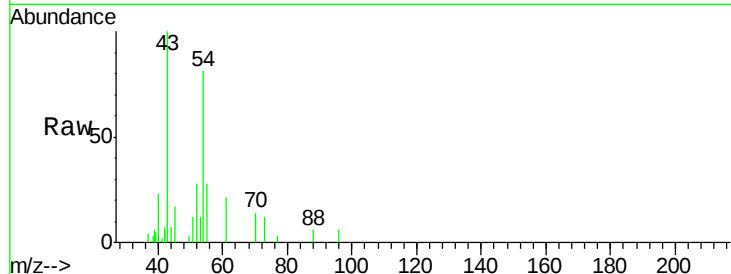
#37
Ethyl Acetate
Concen: 18.313 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Instrument :
MSVOA_D
ClientSampleID :
VD1116SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.7	12.8	19.2#
70	5.9	11.7	17.5#

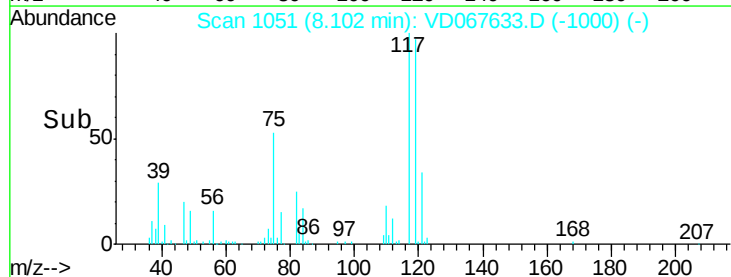
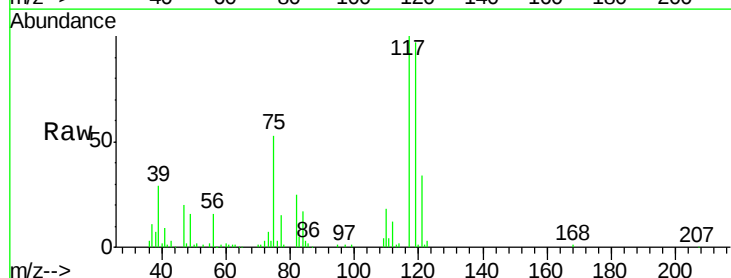
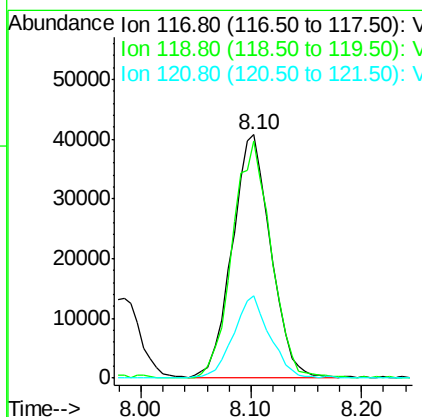
Manual Integrations
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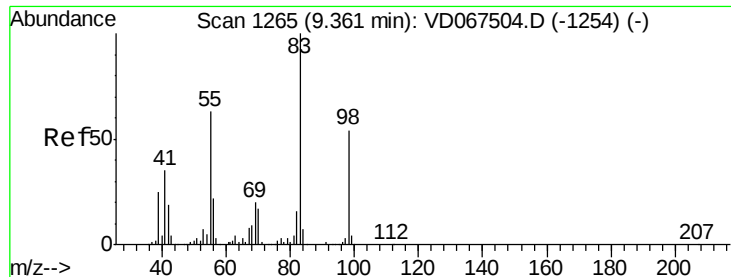
MMDadoda
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#38
Carbon Tetrachloride
Concen: 21.195 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	76.9	115.3
121	33.9	24.5	36.7





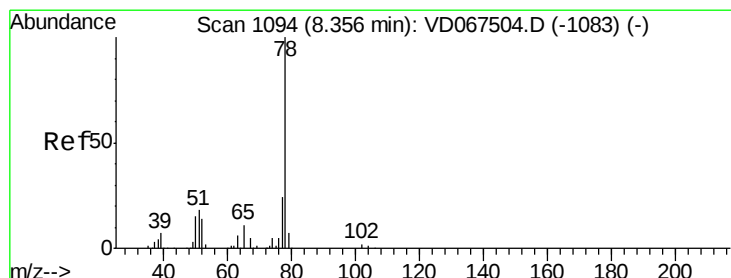
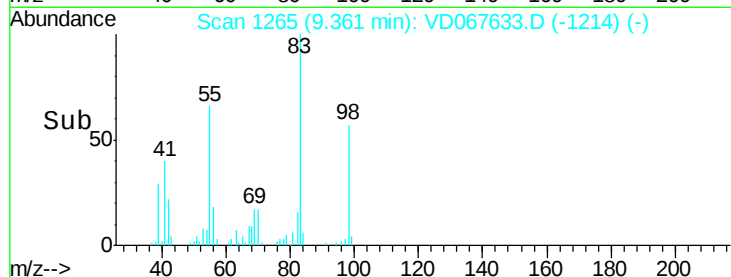
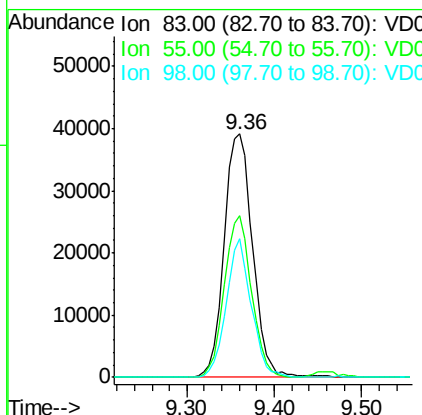
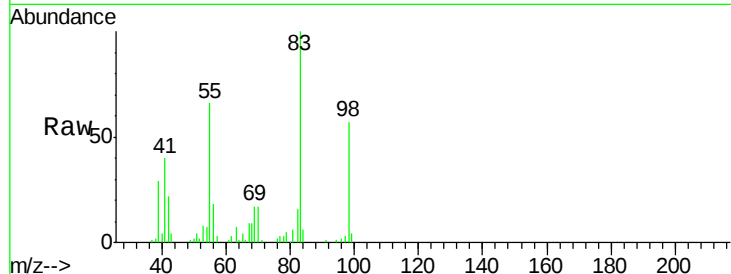
#39
Methvlcvclohexane
Concen: 20.321 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	66.4	50.5	75.7
98	56.9	43.4	65.0

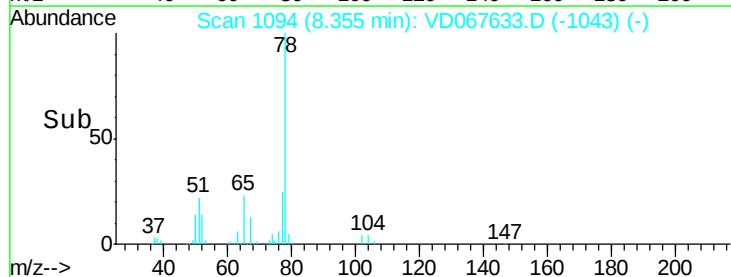
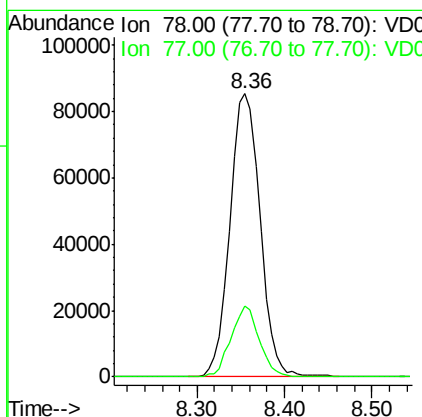
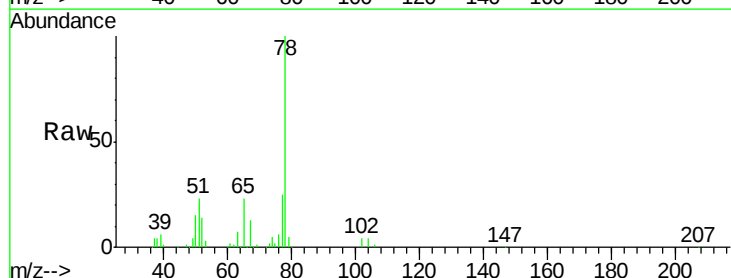
Manual Integrations
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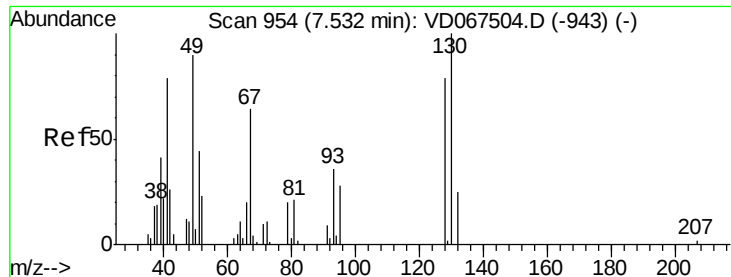
MMDadoda
11/17/2020 6:57:57 PM



#40
Benzene
Concen: 20.323 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.1	28.7





#41

Methacrylonitrile

Concen: 21.265 ug/l

RT: 7.54 min Scan# 955

Delta R.T. 0.01 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBS01

Tot Ion: 41 Resp: 12004

Ion Ratio Lower Upper

41 100

39 51.1 51.3 76.9#

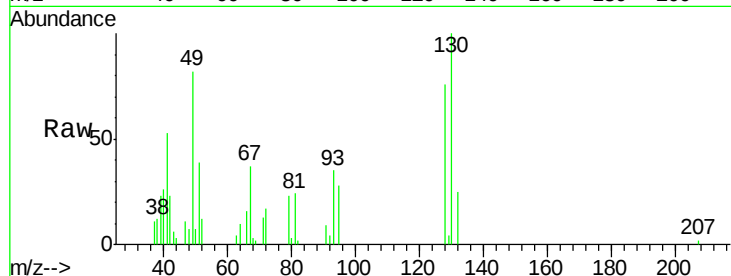
67 83.8 78.9 118.3

52 37.0 31.4 47.2

Manual Integrations
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11/17/2020 6:57:57 PM

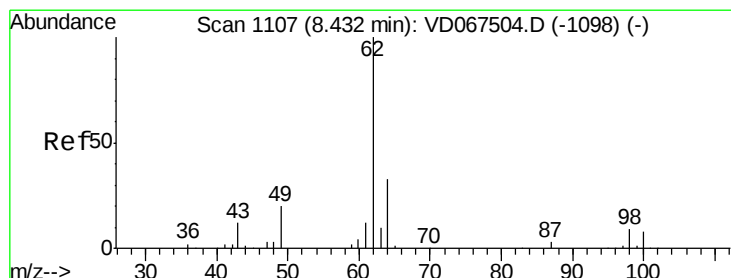
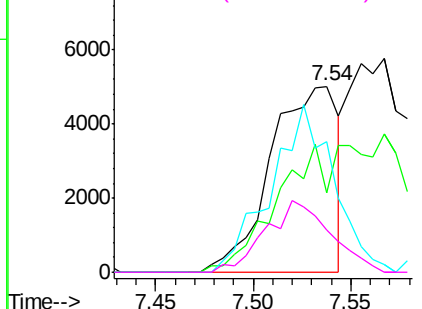
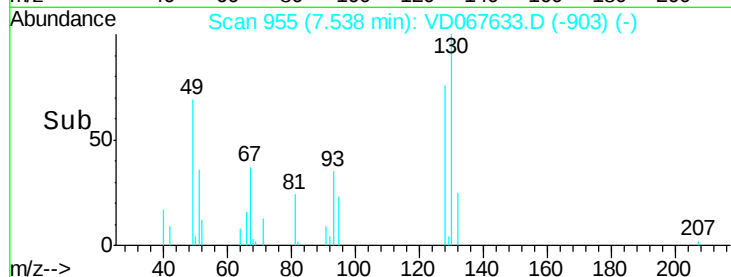


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 20.943 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD067633.D

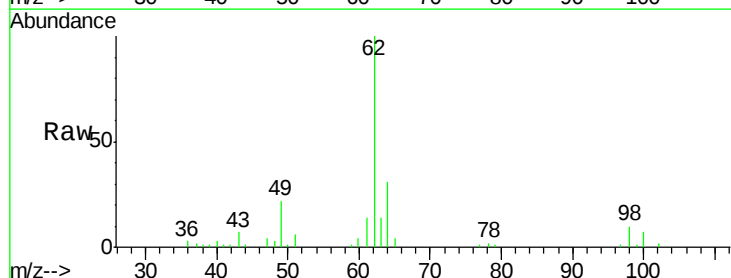
Acq: 16 Nov 2020 11:45

Tgt Ion: 62 Resp: 63756

Ion Ratio Lower Upper

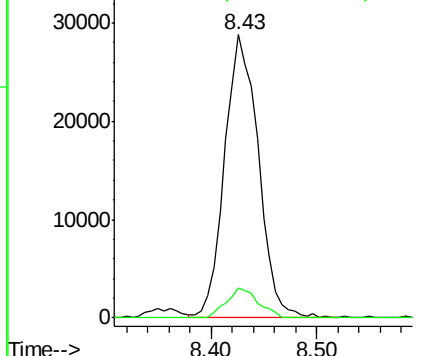
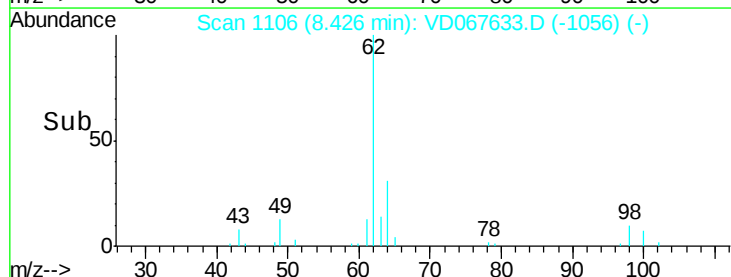
62 100

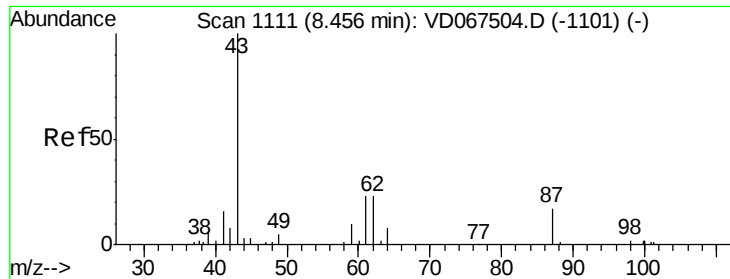
98 9.8 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 19.832 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleID :

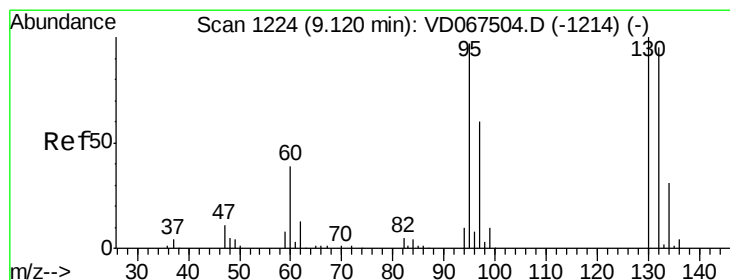
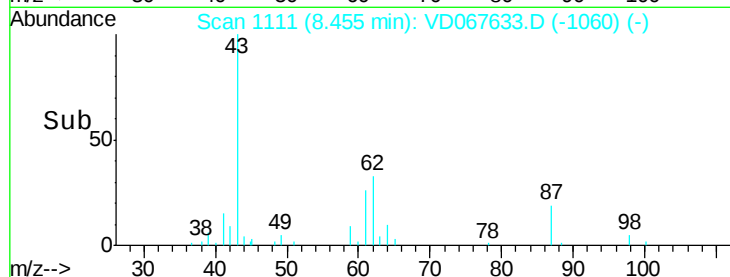
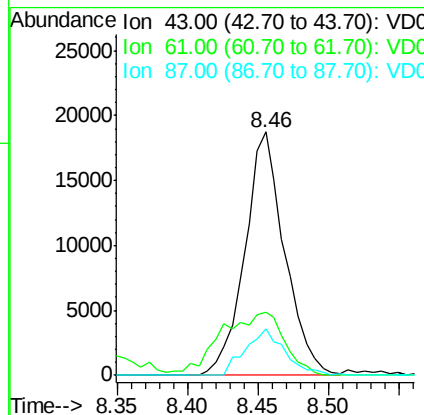
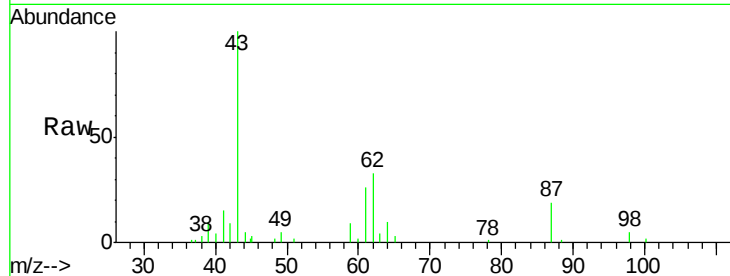
VD1116SBS01

Tot Ion:	43	Resp:	37040
Ion	Ratio	Lower	Upper
43	100		
61	41.4	30.5	45.7
87	18.8	14.7	22.1

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#44

Trichloroethene

Concen: 20.596 ug/l

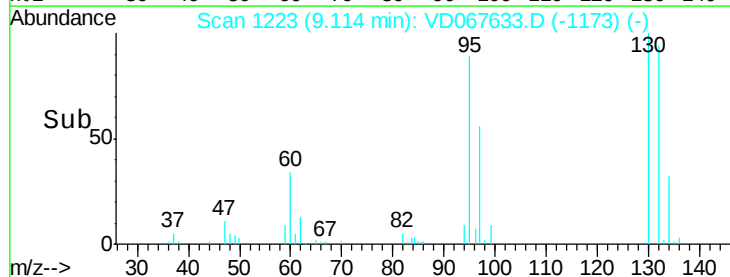
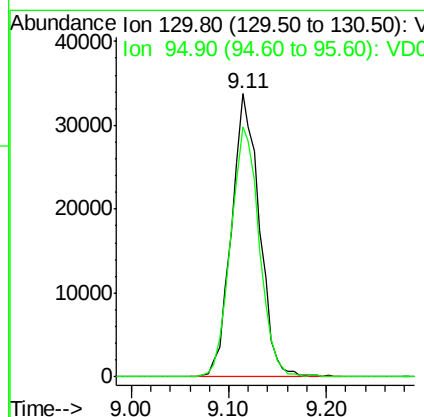
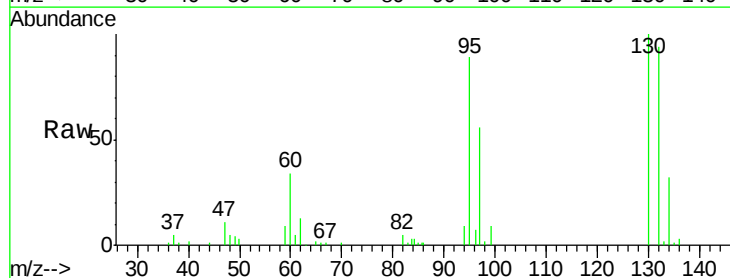
RT: 9.11 min Scan# 1223

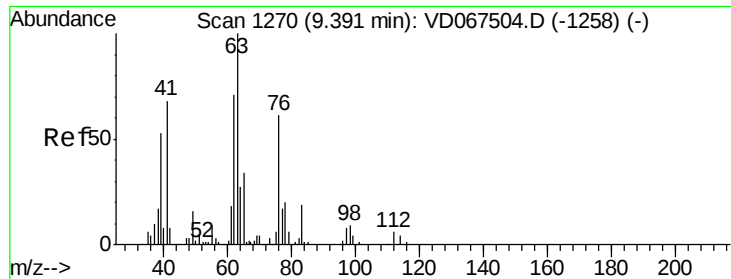
Delta R.T. -0.01 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

Tgt Ion:	130	Resp:	66727
Ion	Ratio	Lower	Upper
130	100		
95	88.6	0.0	194.4





#45

1,2-Dichloropropane

Concen: 20.520 ug/l

RT: 9.40 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBS01

Tot Ion: 63 Resp: 43715

Ion Ratio Lower Upper

63 100

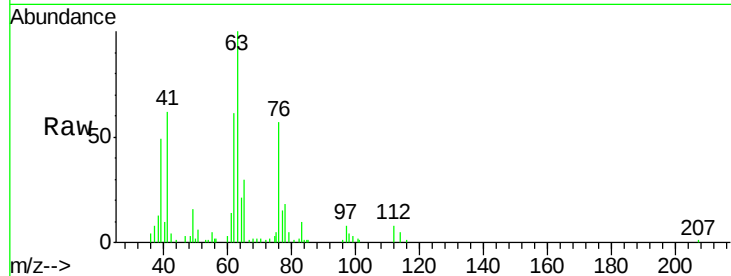
65 29.5 26.9 40.3

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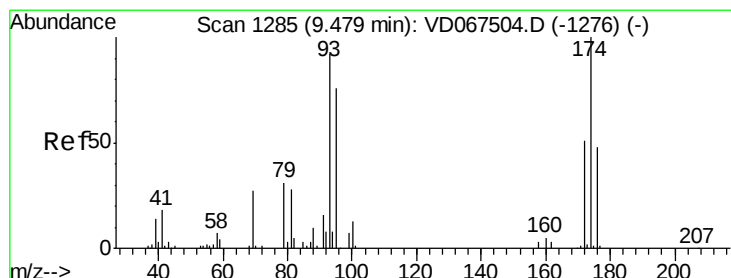
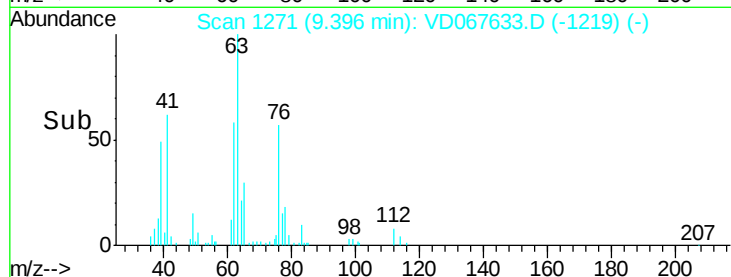
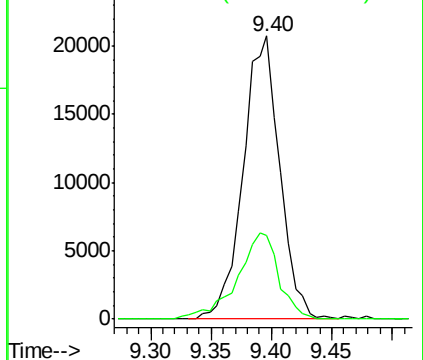
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 21.041 ug/l

RT: 9.48 min Scan# 1286

Delta R.T. 0.01 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

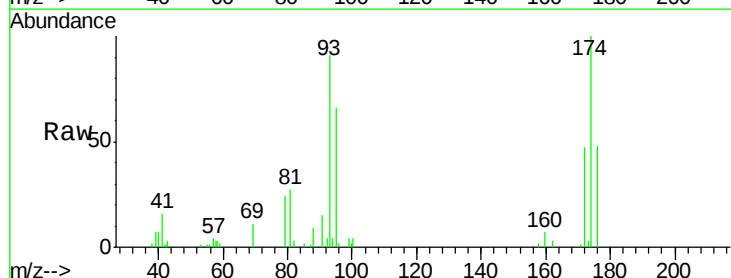
Tgt Ion: 93 Resp: 28500

Ion Ratio Lower Upper

93 100

95 77.0 66.4 99.6

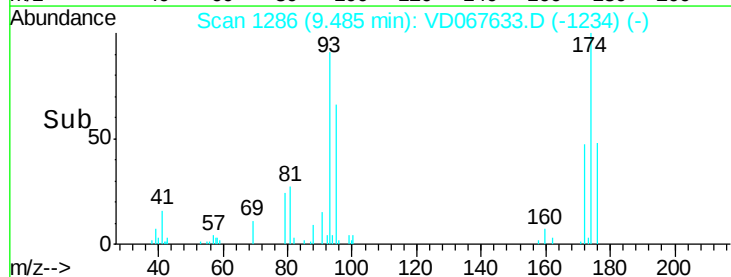
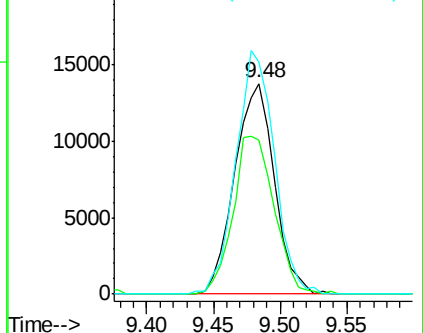
174 111.7 88.2 132.4

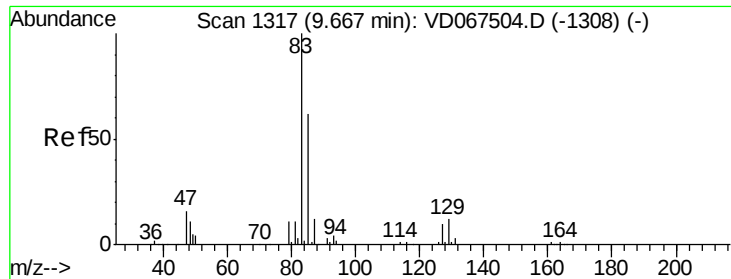


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





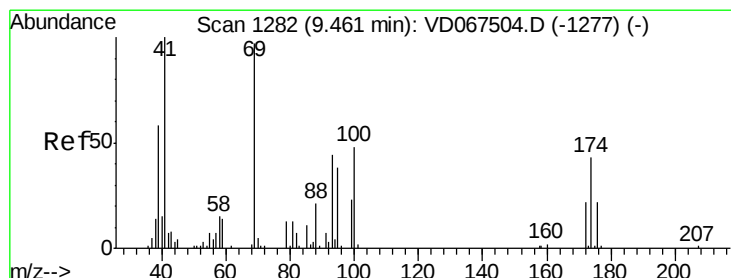
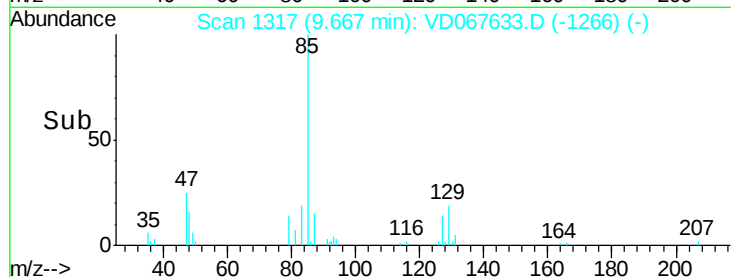
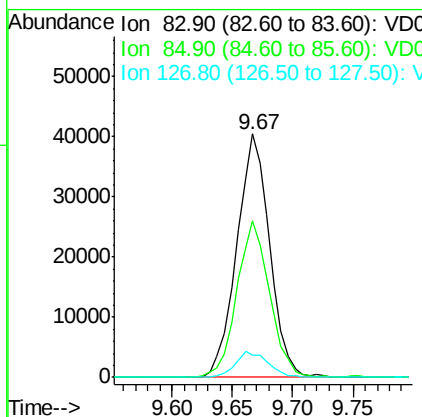
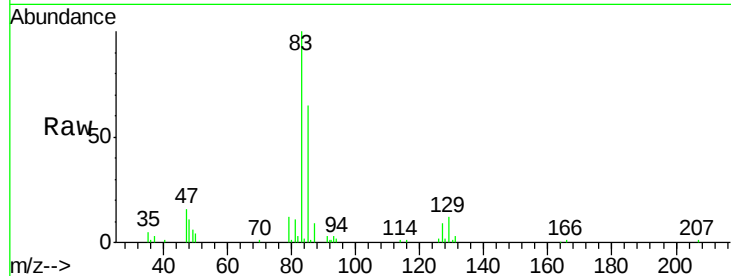
#47
Bromodichloromethane
Concen: 20.845 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.5	49.4	74.2
127	9.3	7.7	11.5

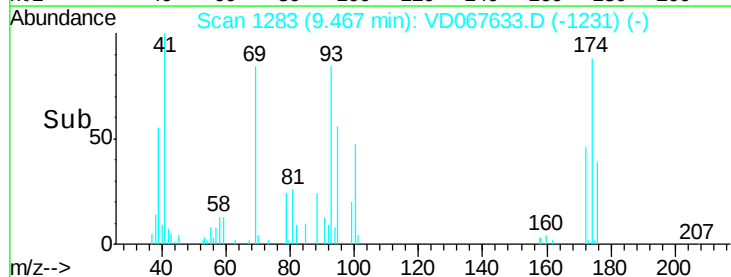
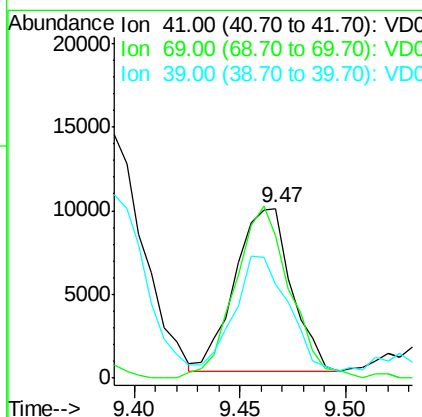
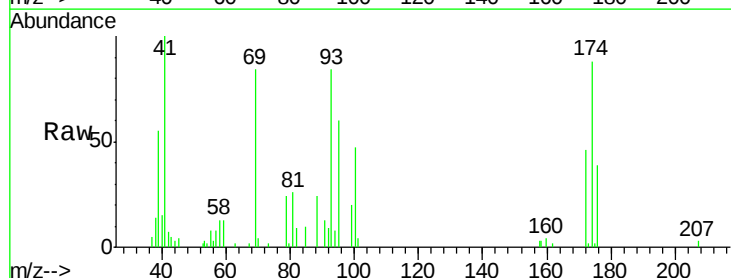
Manual Integrations
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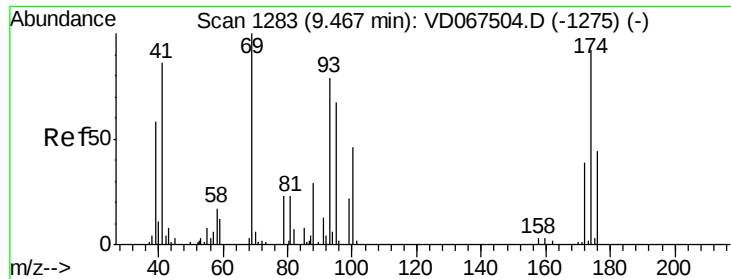
MMDadoda
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#48
Methyl methacrylate
Concen: 18.669 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Tgt Ion	Ratio	Lower	Upper
41	100		
69	102.5	80.6	121.0
39	67.4	50.2	75.4





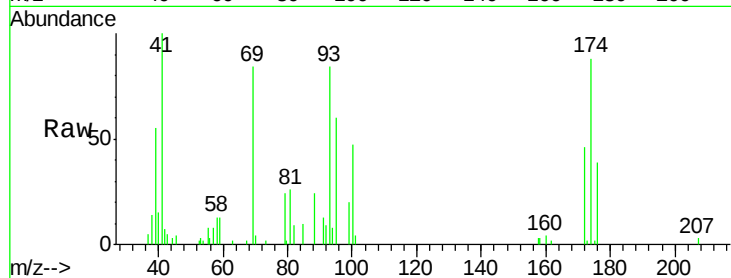
#49
1,4-Dioxane
Concen: 408.123 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Instrument :
MSVOA_D
ClientSampled :
VD1116SBSD01

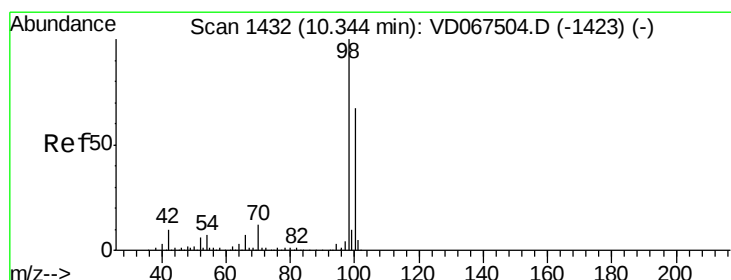
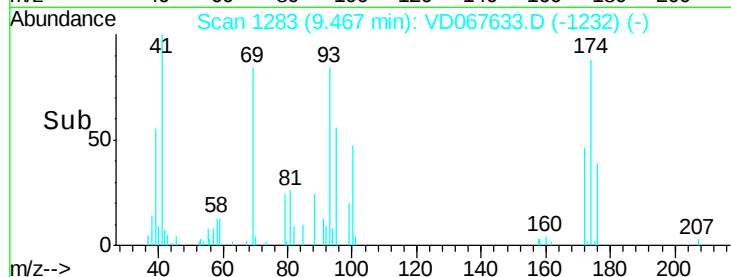
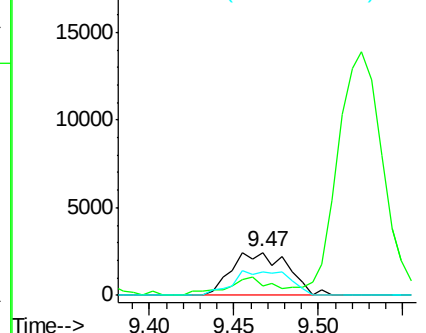
Tot Ion	Ratio	Lower	Upper
88	100		
43	32.0	23.6	35.4
58	56.8	44.7	67.1

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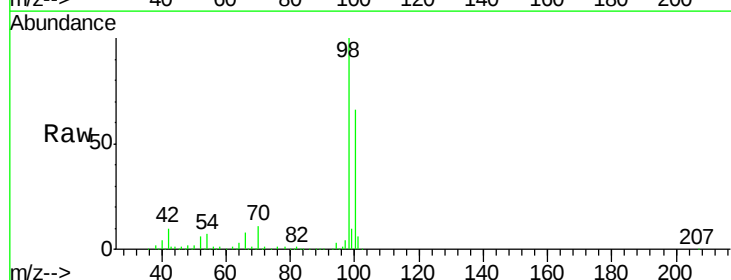


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

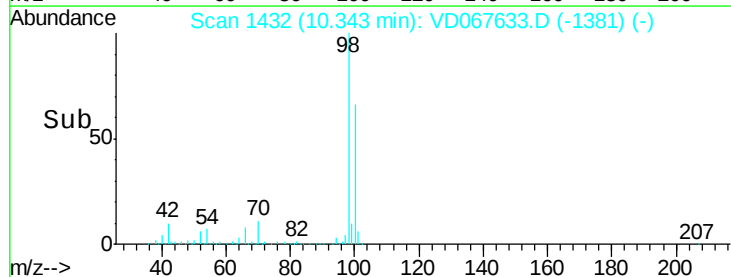
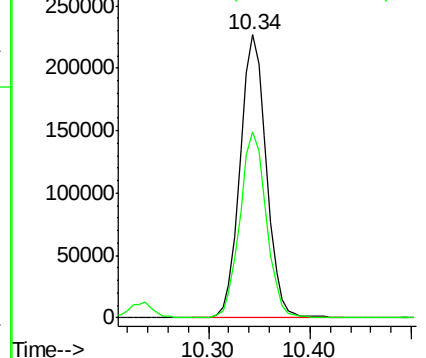


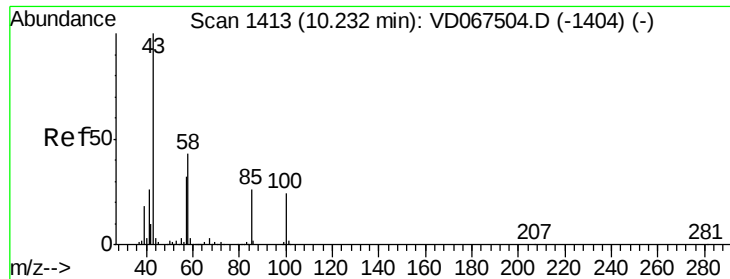
#50
Toluene-d8
Concen: 45.308 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.0	79.6



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 100.601 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBS01

Tot Ion: 43 Resp: 89859

Ion Ratio Lower Upper

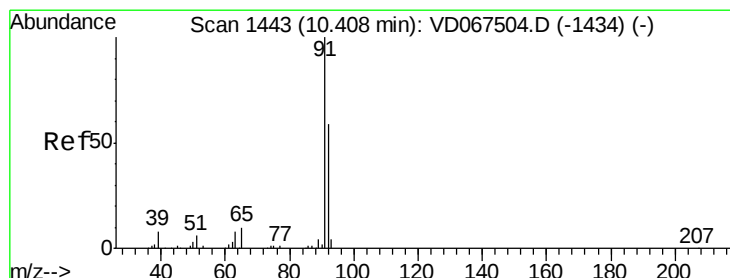
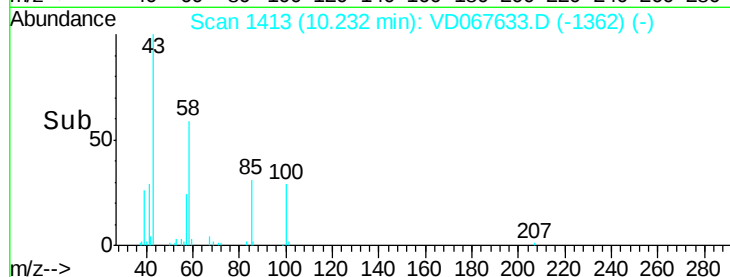
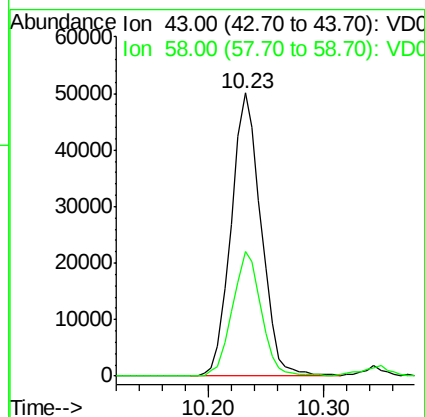
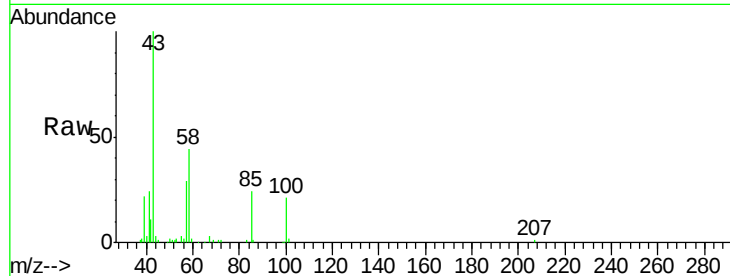
43 100

58 42.4 35.6 53.4

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#52

Toluene

Concen: 20.638 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD067633.D

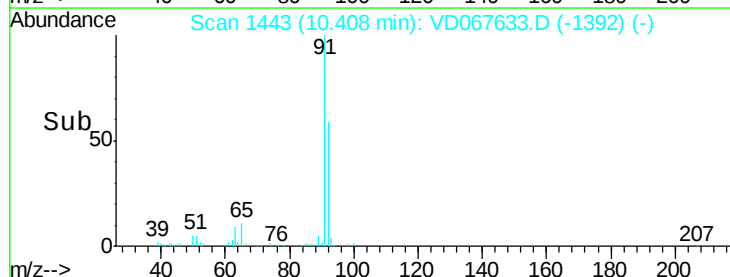
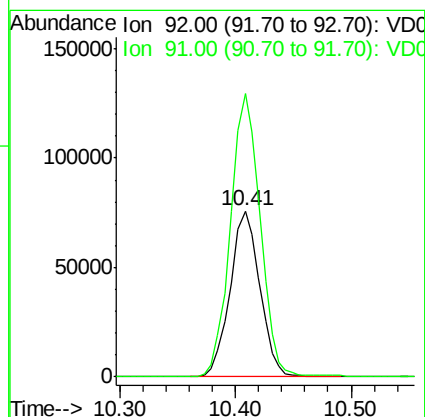
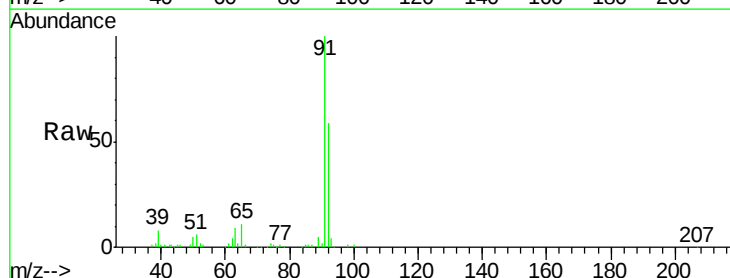
Acq: 16 Nov 2020 11:45

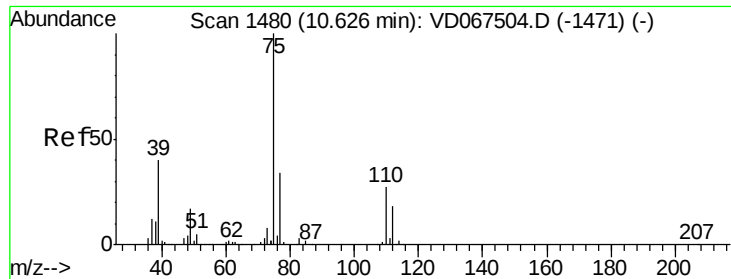
Tgt Ion: 92 Resp: 136206

Ion Ratio Lower Upper

92 100

91 169.2 137.0 205.6





#53

t-1,3-Dichloropropene

Concen: 20.454 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBS01

Tot Ion: 75 Resp: 64493

Ion Ratio Lower Upper

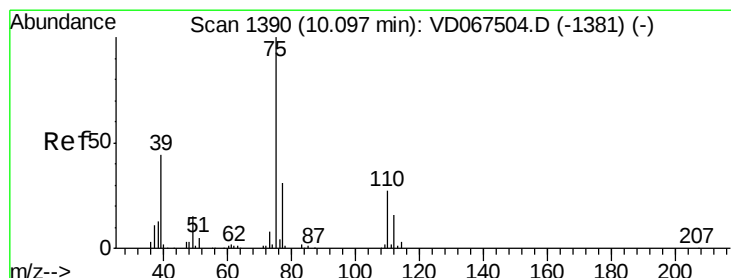
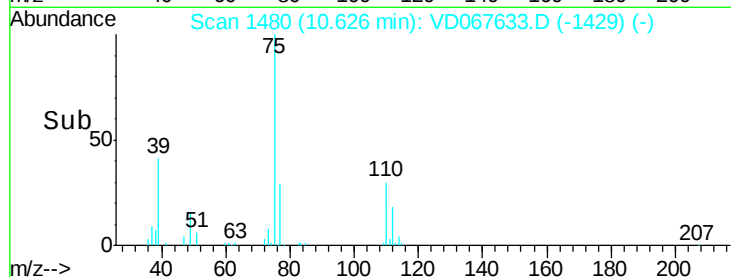
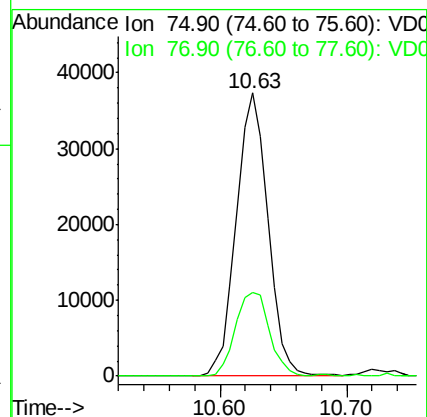
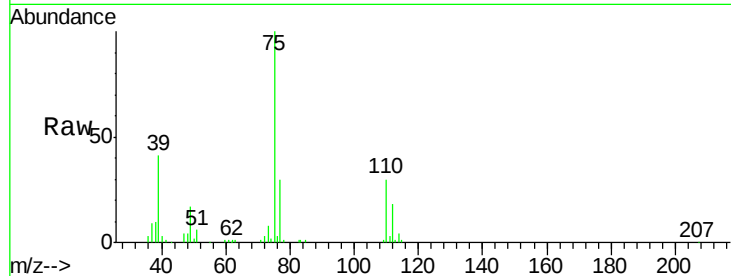
75 100

77 29.7 27.0 40.6

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#54

cis-1,3-Dichloropropene

Concen: 20.575 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

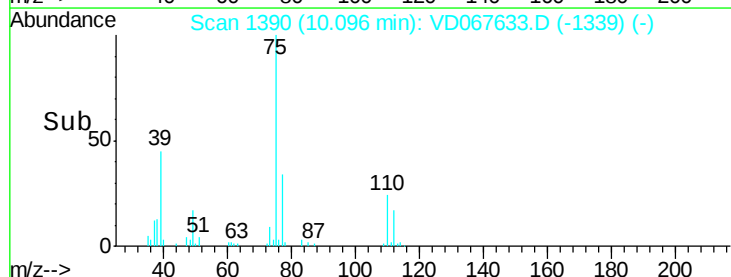
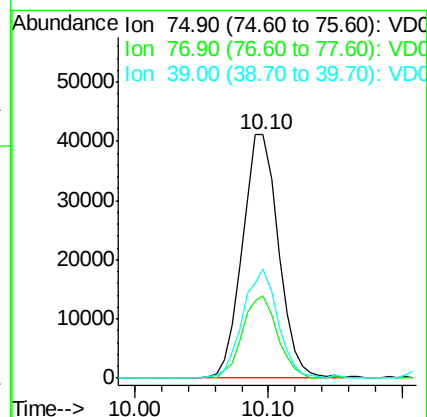
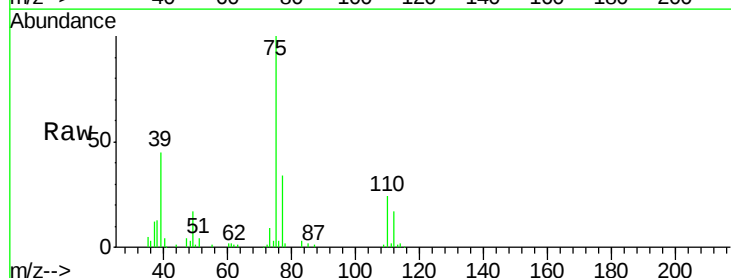
Tgt Ion: 75 Resp: 77080

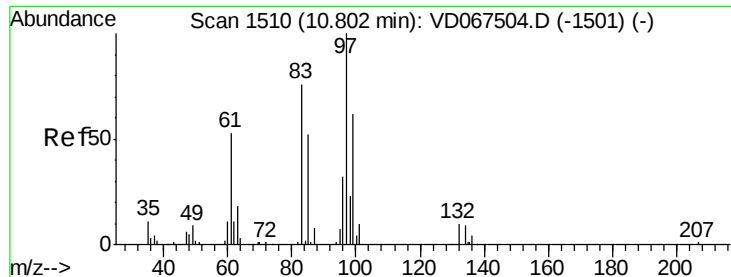
Ion Ratio Lower Upper

75 100

77 33.7 24.4 36.6

39 45.1 35.6 53.4





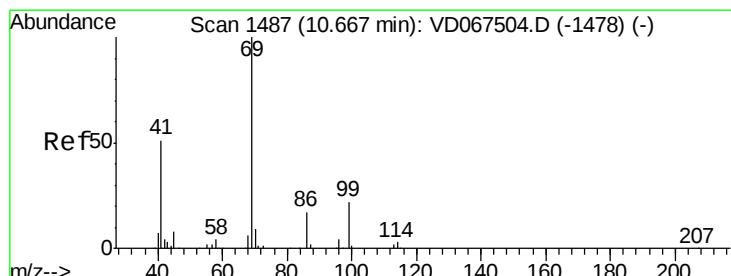
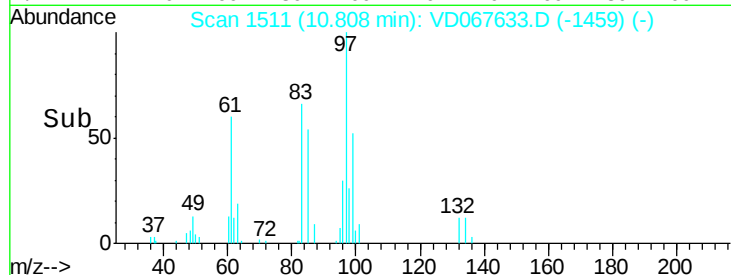
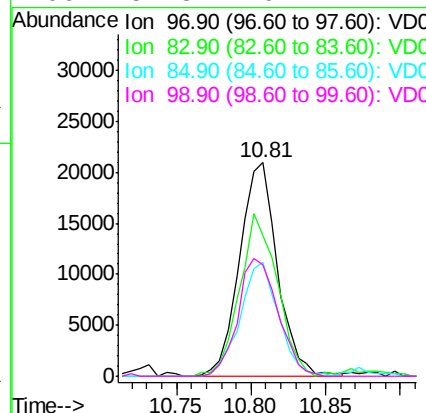
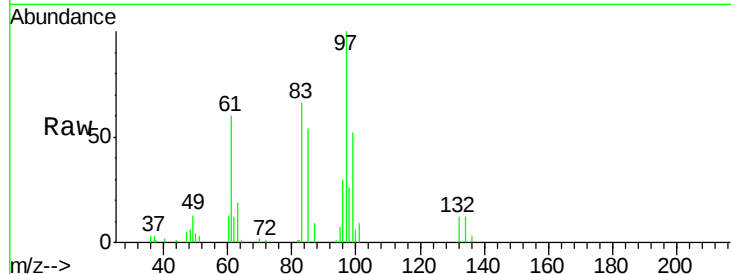
#55
 1,1,2-Trichloroethane
 Concen: 20.670 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD067633.D
 Acq: 16 Nov 2020 11:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBSD01

Tot Ion:	97	Resp:	37045
Ion	Ratio	Lower	Upper
97	100		
83	66.0	61.0	91.6
85	53.6	41.5	62.3
99	52.3	49.4	74.2

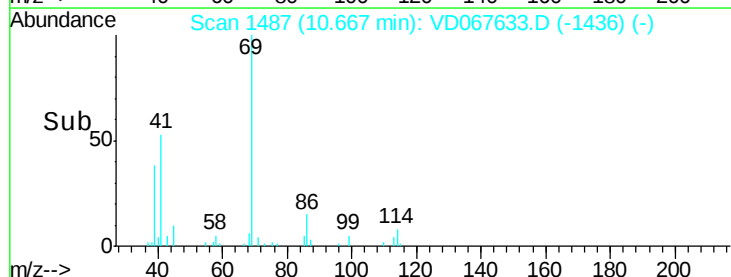
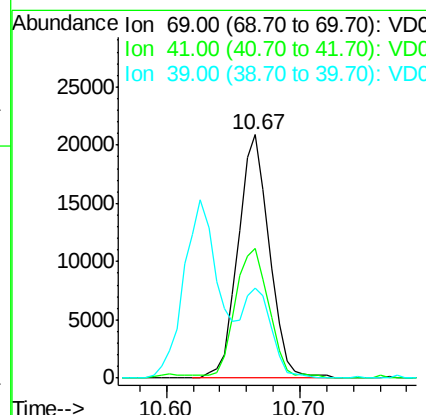
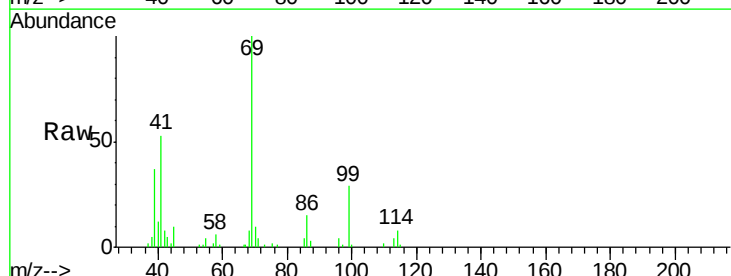
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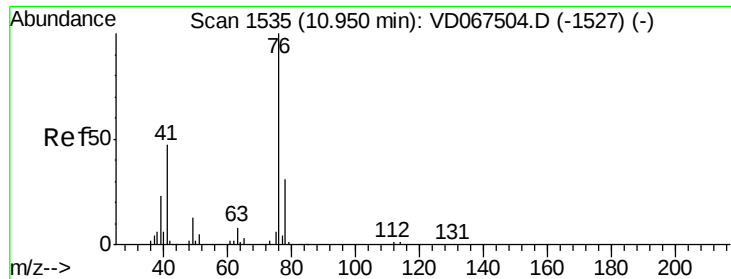
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#56
 Ethyl methacrylate
 Concen: 18.353 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD067633.D
 Acq: 16 Nov 2020 11:45

Tgt Ion:	69	Resp:	33967
Ion	Ratio	Lower	Upper
69	100		
41	58.1	45.4	68.0
39	35.8	27.4	41.0





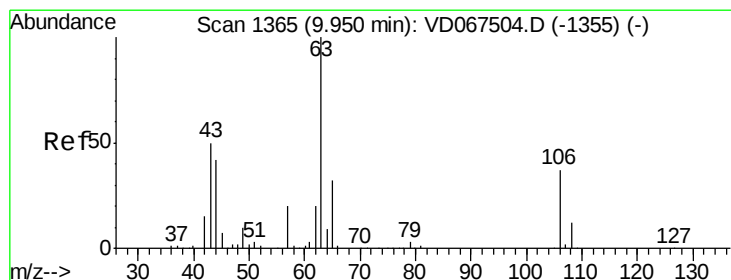
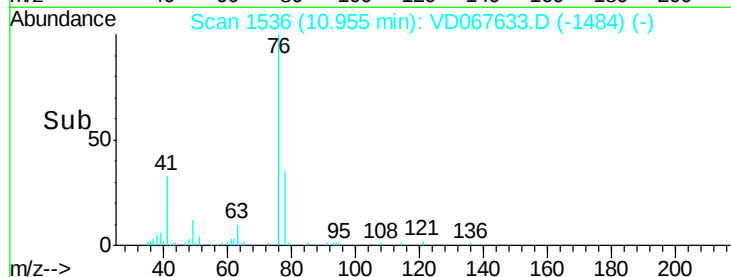
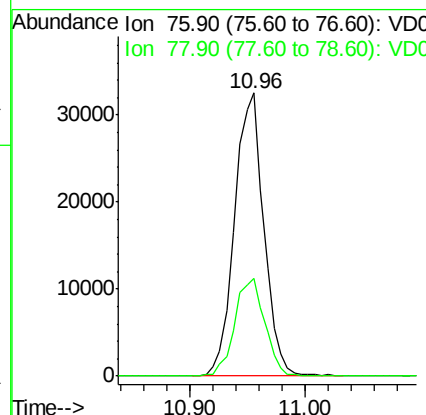
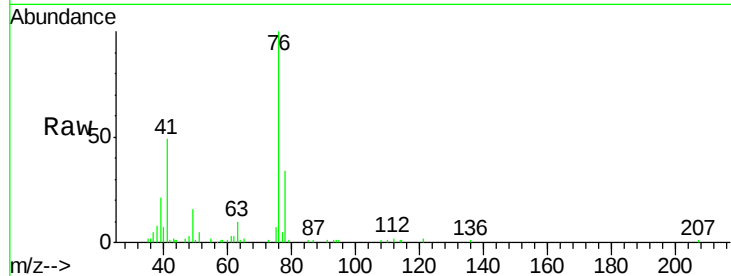
#57
 1,3-Dichloropropane
 Concen: 19.850 ug/l
 RT: 10.96 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VD067633.D
 Acq: 16 Nov 2020 11:45

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1116SBS01

Tot Ion: 76 Resp: 57246
 Ion Ratio Lower Upper
 76 100
 78 35.2 26.1 39.1

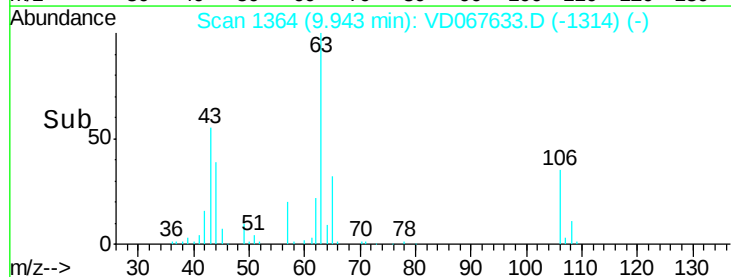
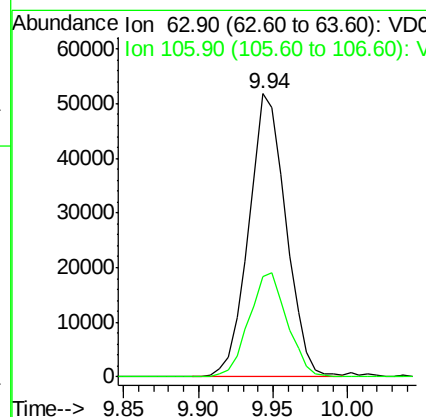
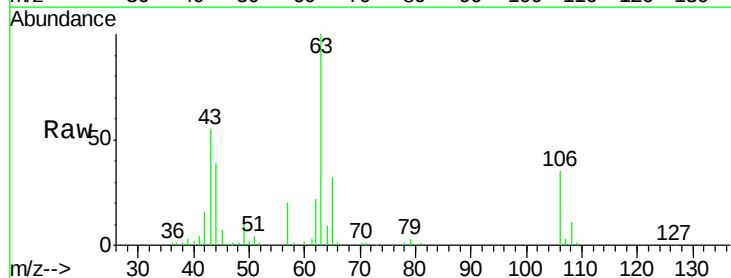
Manual Integrations
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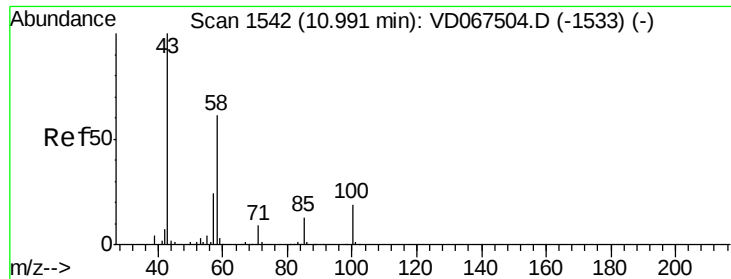
MMDadoda
 11/17/2020 6:57:57 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.657 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD067633.D
 Acq: 16 Nov 2020 11:45

Tgt Ion: 63 Resp: 89462
 Ion Ratio Lower Upper
 63 100
 106 37.6 29.2 43.8





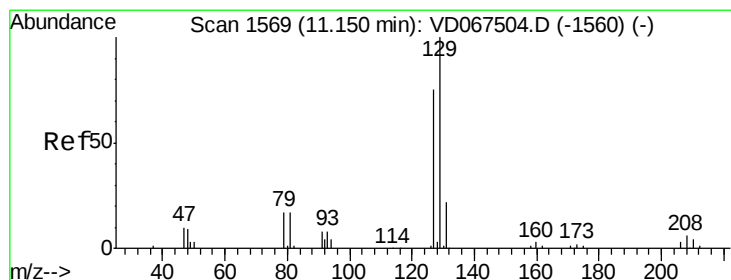
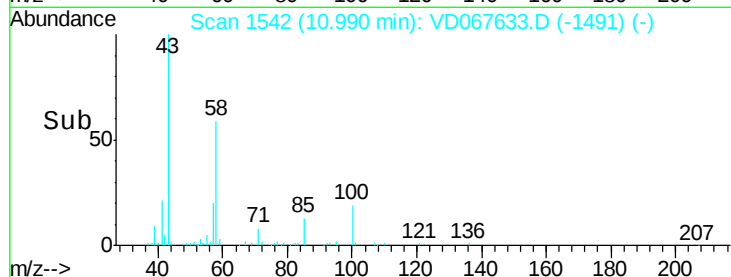
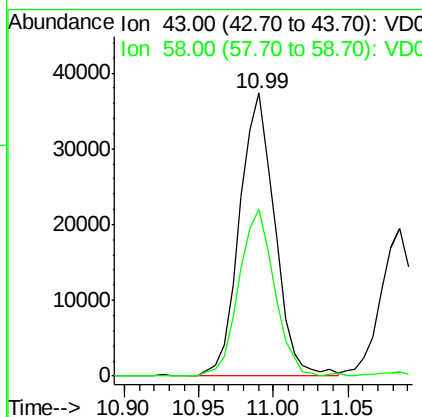
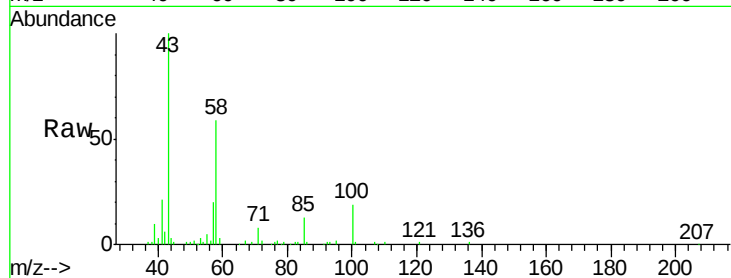
#59
2-Hexanone
Concen: 97.603 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

Tot Ion: 43 Resp: 60957
Ion Ratio Lower Upper
43 100
58 59.3 30.3 90.9

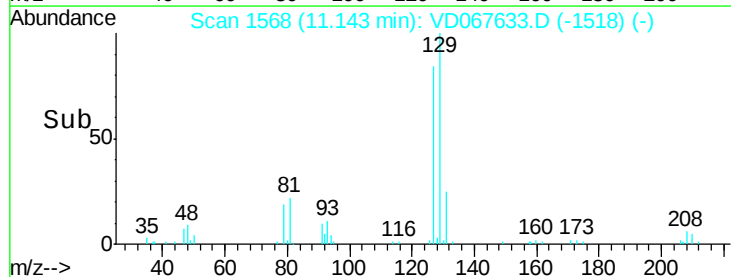
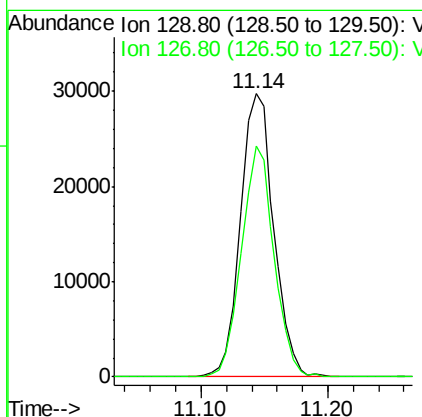
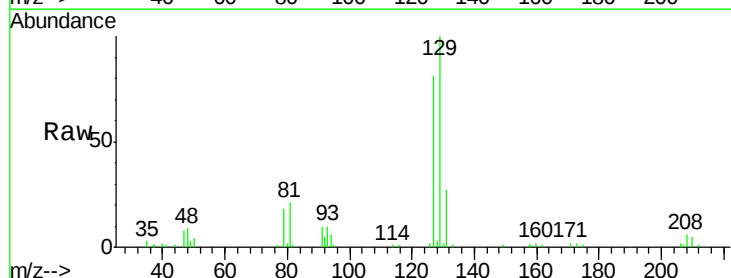
Manual Integrations
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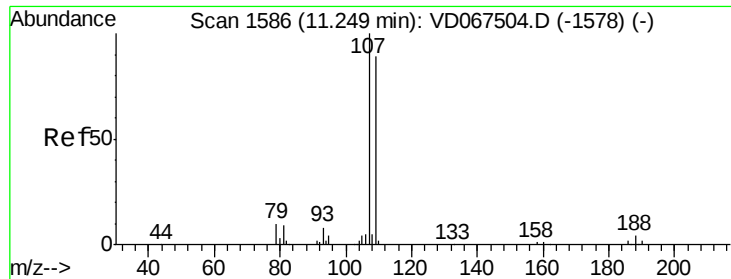
MMDadoda
11/17/2020 6:57:57 PM



#60
Dibromochloromethane
Concen: 20.429 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Tgt Ion:129 Resp: 54161
Ion Ratio Lower Upper
129 100
127 79.7 38.0 114.1





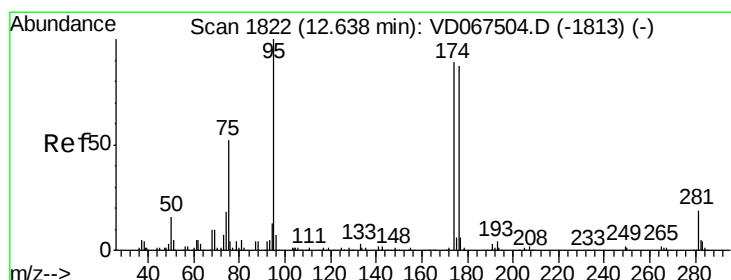
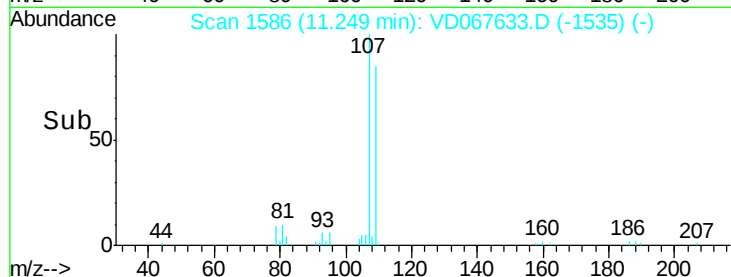
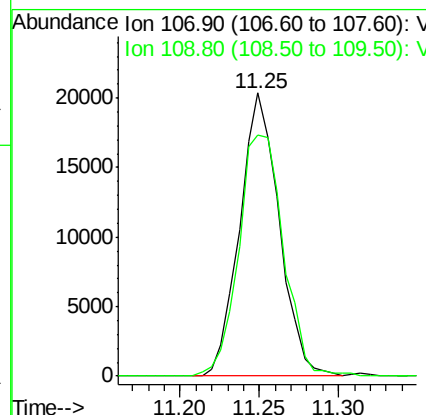
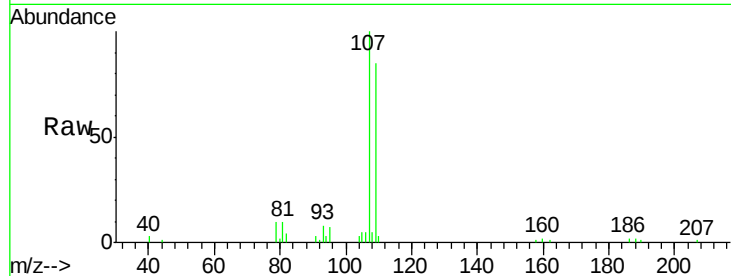
#61
 1,2-Dibromoethane
 Concen: 19.593 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD067633.D
 Acq: 16 Nov 2020 11:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.7	74.6	111.8

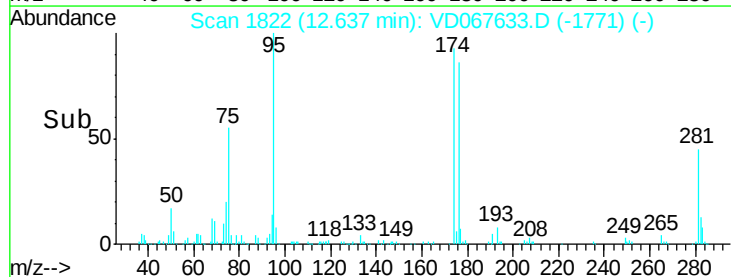
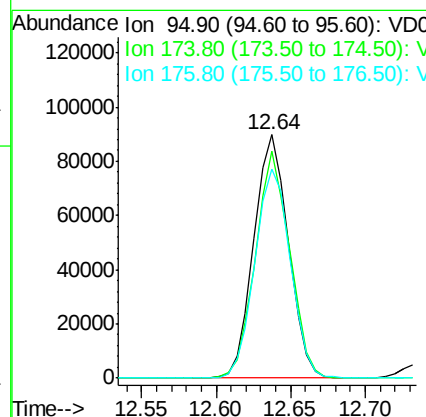
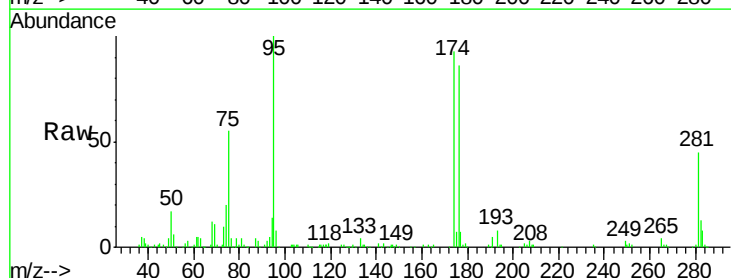
Manual Integrations
 APPROVED

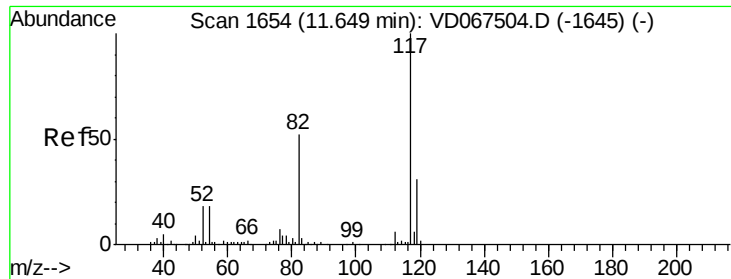
MMDadoda
 11/17/2020 6:57:57 PM



#62
 4-Bromofluorobenzene
 Concen: 46.223 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD067633.D
 Acq: 16 Nov 2020 11:45

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.1	0.0	177.8
176	88.2	0.0	172.0





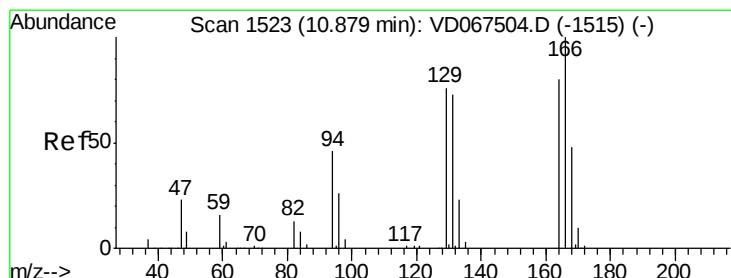
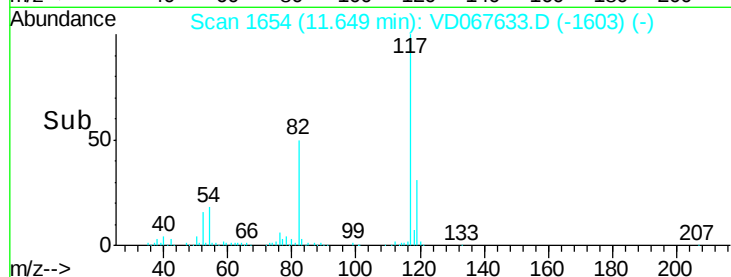
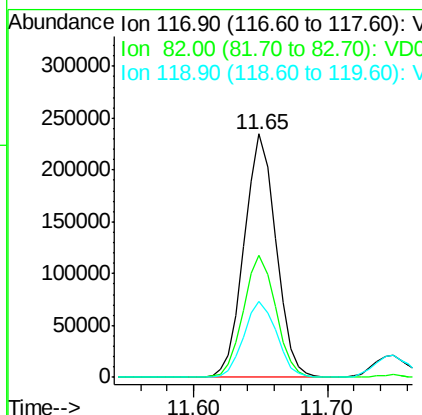
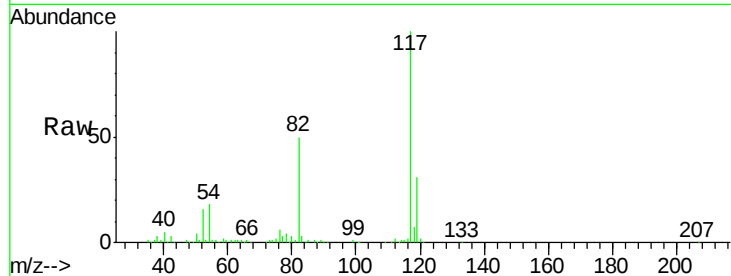
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.2	41.6	62.4
119	31.1	25.1	37.7

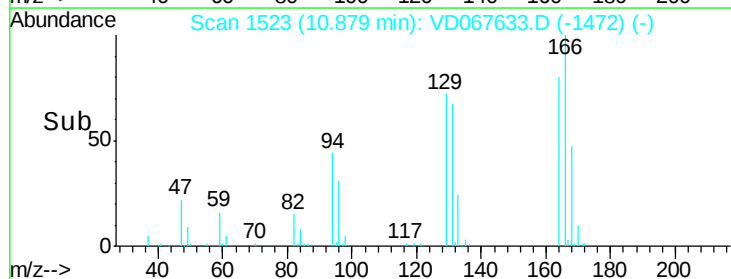
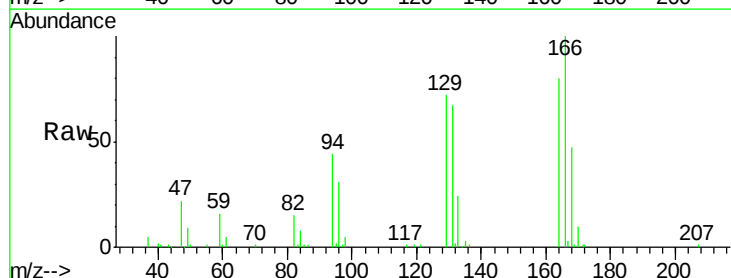
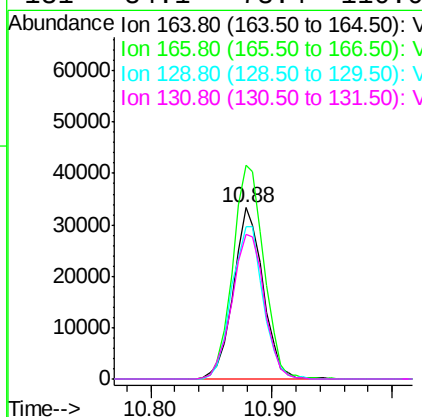
Manual Integrations
APPROVED

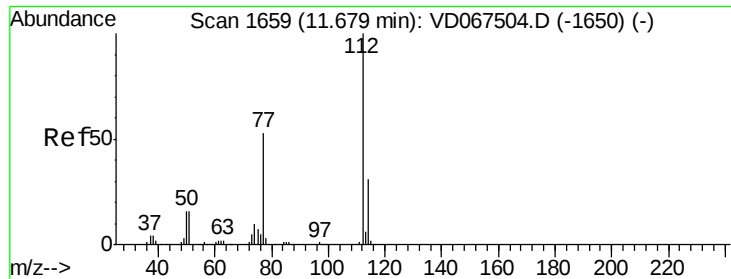
MMDadoda
11/17/2020 6:57:57 PM



#64
Tetrachloroethene
Concen: 19.897 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.7	99.9	149.9
129	89.2	75.5	113.3
131	84.1	73.4	110.0





#65

Chlorobenzene

Concen: 20.303 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBS01

Tot Ion:112 Resp: 150966

Ion Ratio Lower Upper

112 100

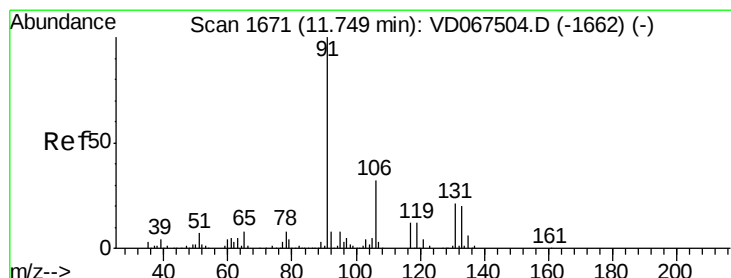
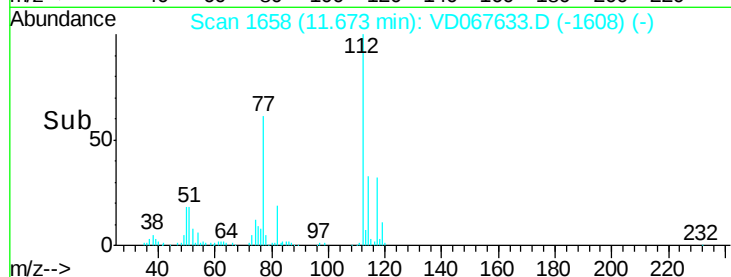
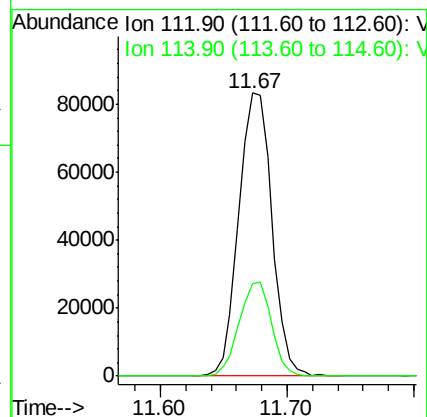
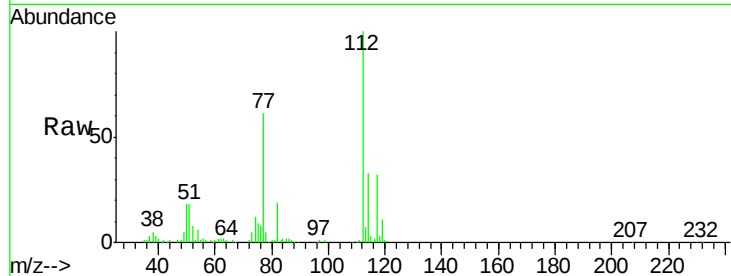
114 32.6 24.9 37.3

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 21.256 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

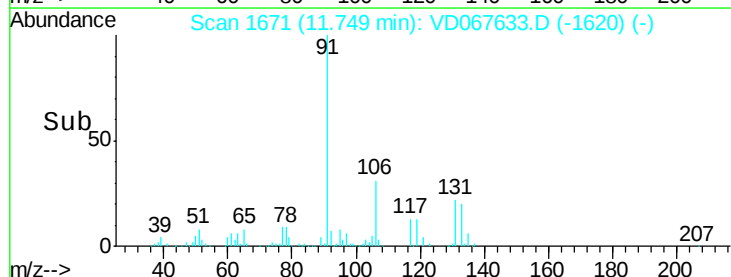
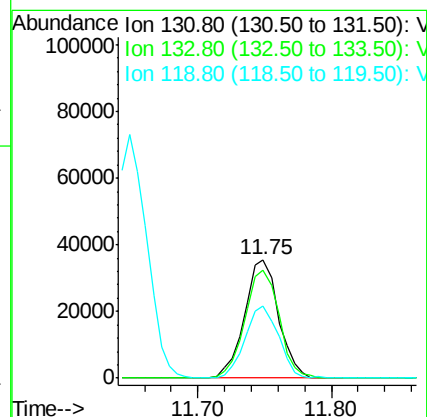
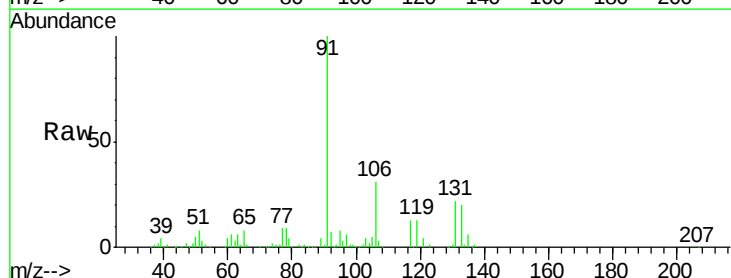
Tgt Ion:131 Resp: 62294

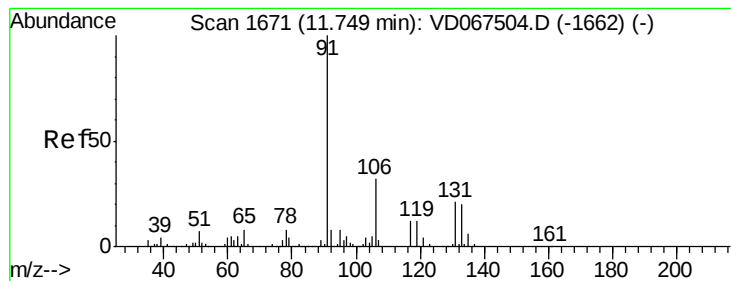
Ion Ratio Lower Upper

131 100

133 91.7 48.0 144.0

119 59.9 30.1 90.5





#67

Ethyl Benzene

Concen: 20.596 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBS01

Tot Ion: 91 Resp: 262064

Ion Ratio Lower Upper

91 100

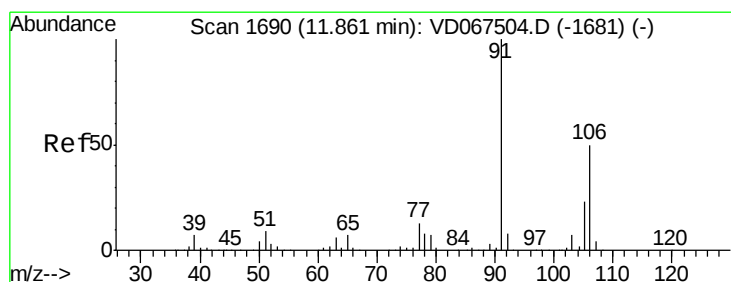
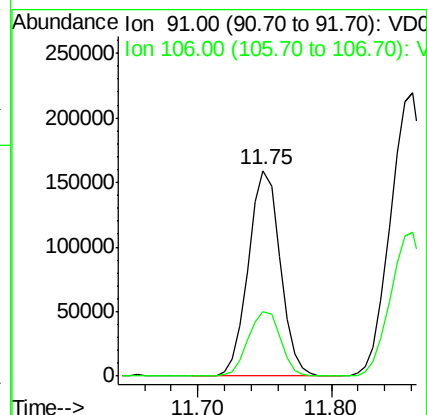
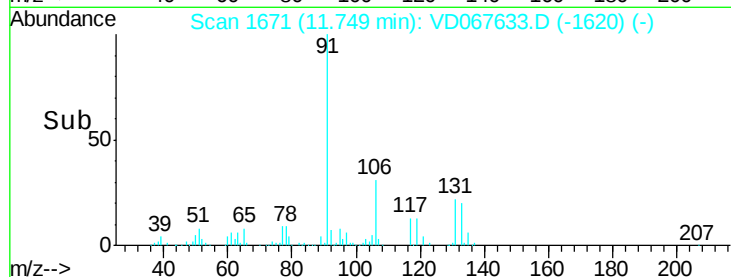
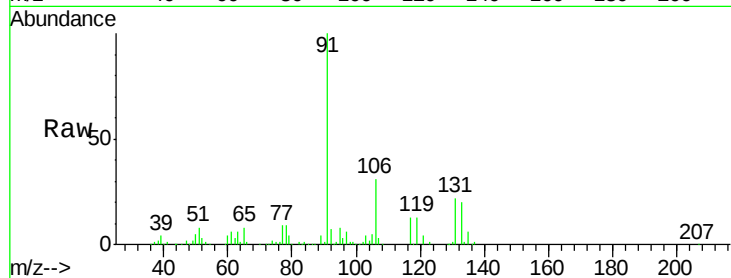
106 31.3 25.7 38.5

Manual Integrations

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#68

m/p-Xylenes

Concen: 42.644 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD067633.D

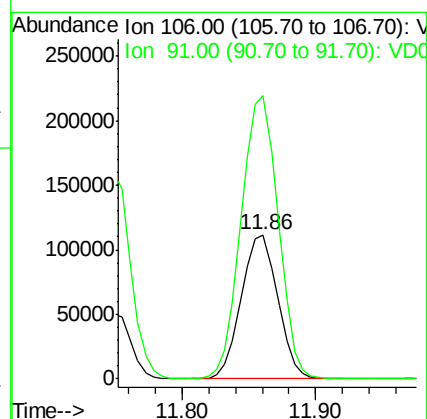
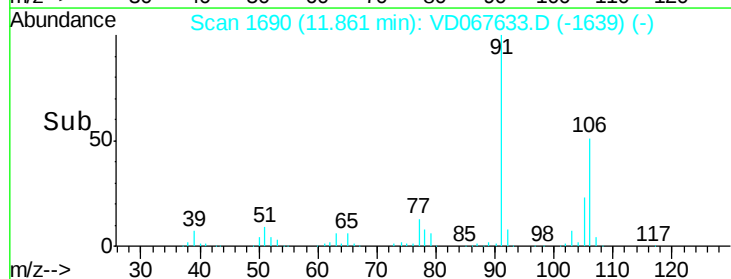
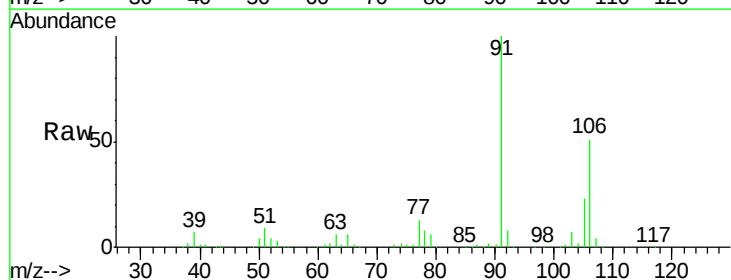
Acq: 16 Nov 2020 11:45

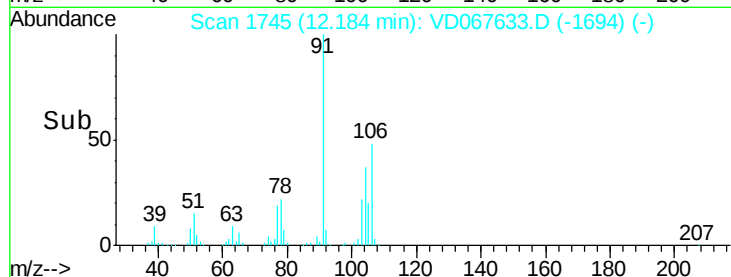
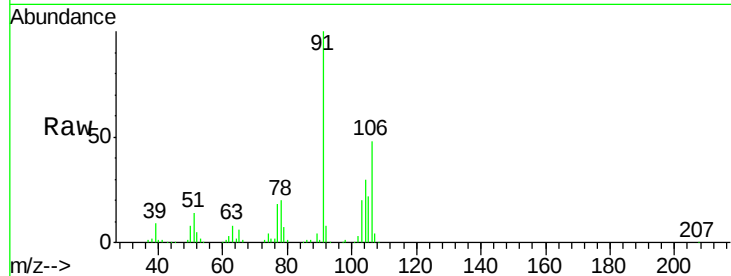
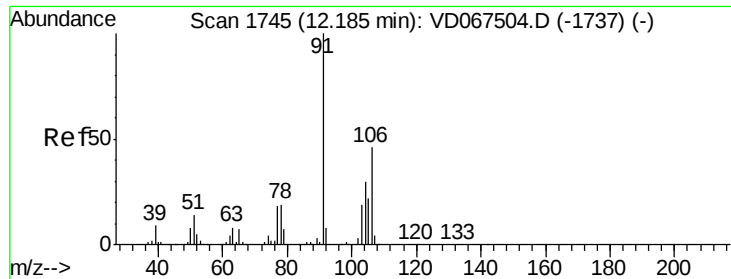
Tgt Ion: 106 Resp: 211097

Ion Ratio Lower Upper

106 100

91 199.6 162.6 244.0





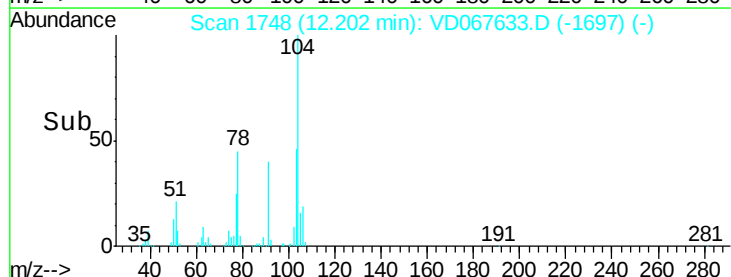
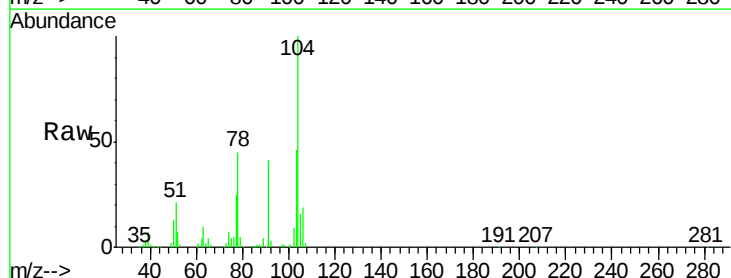
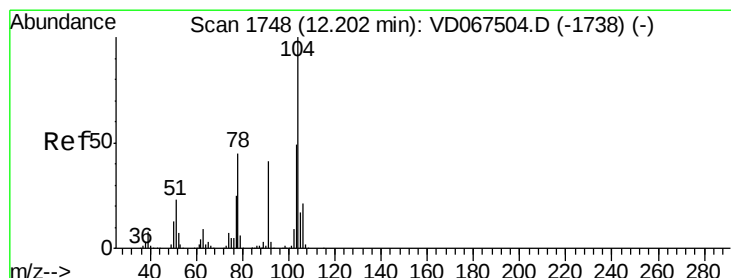
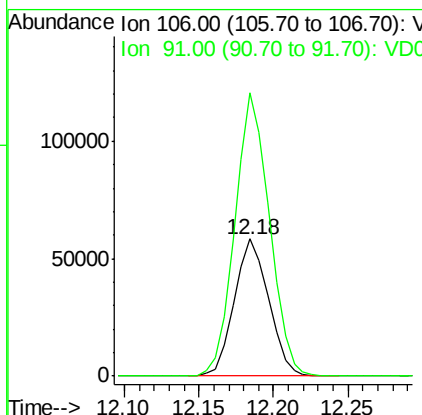
#69
o-Xylene
Concen: 21.216 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Tot Ion:106 Resp: 93768
Ion Ratio Lower Upper
106 100
91 206.9 107.1 321.1

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

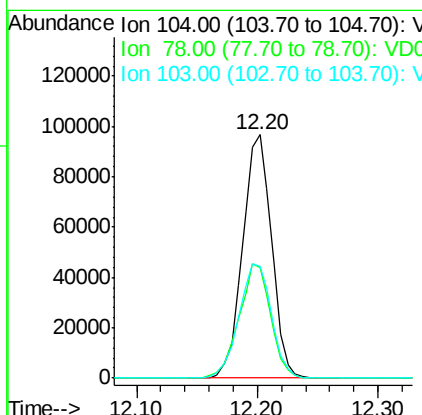
Manual Integrations
APPROVED

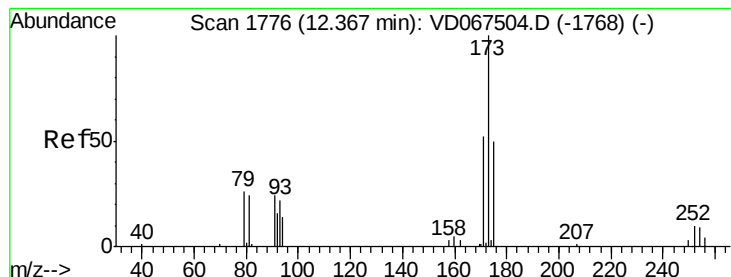
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#70
Styrene
Concen: 21.036 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Tgt Ion:104 Resp: 162009
Ion Ratio Lower Upper
104 100
78 50.9 39.8 59.8
103 52.5 43.9 65.9





#71

Bromoform

Concen: 21.369 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBS01

Tot Ion:173 Resp: 31940

Ion Ratio Lower Upper

173 100

175 49.2 24.1 72.2

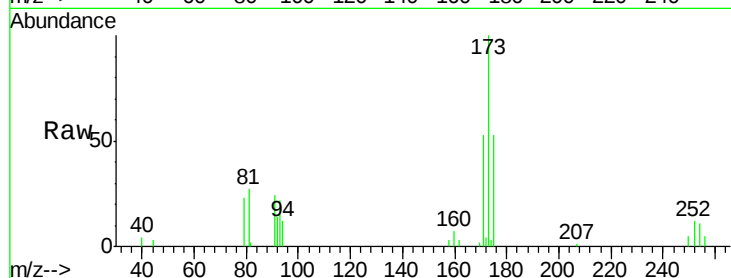
254 0.0 0.0 0.0

Manual Integrations

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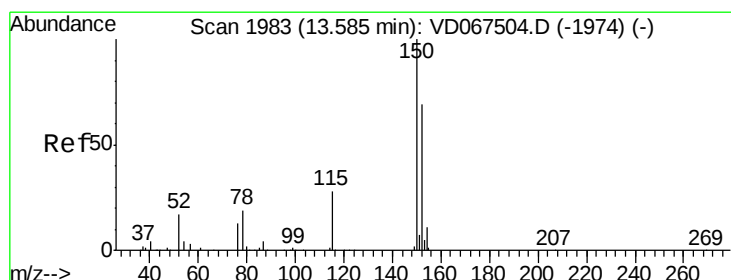
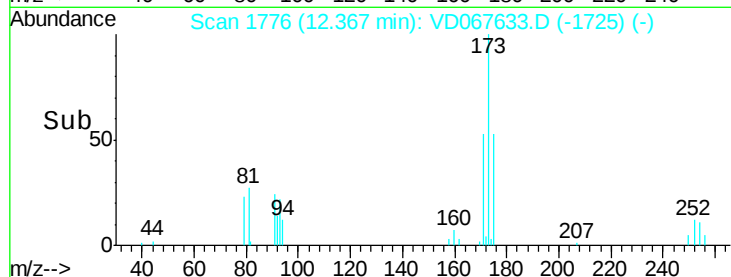
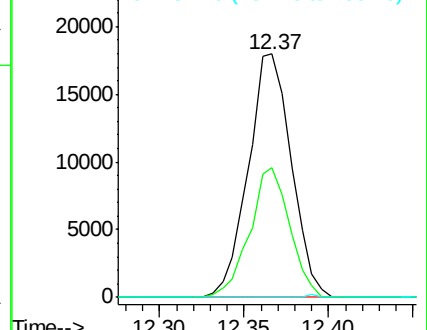
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

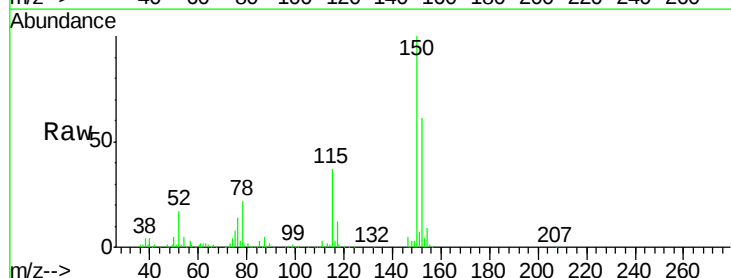
Tgt Ion:152 Resp: 195737

Ion Ratio Lower Upper

152 100

115 59.1 29.3 88.0

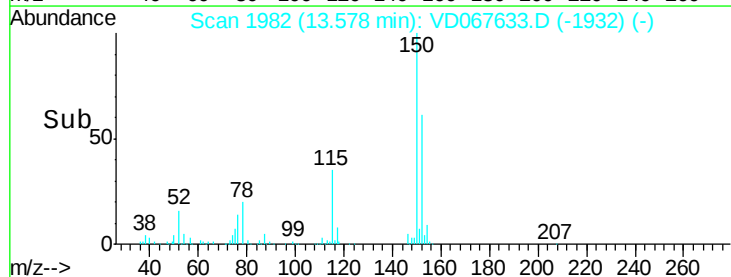
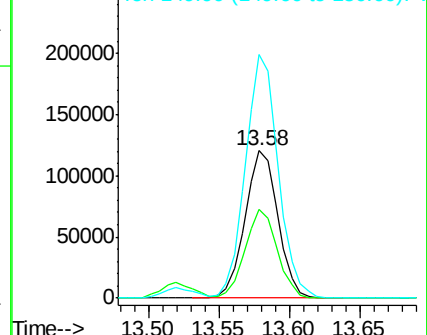
150 165.7 0.0 338.2

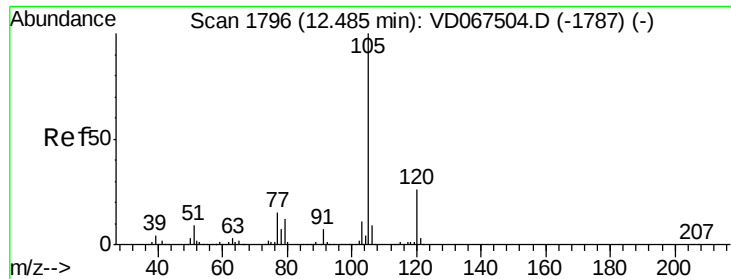


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





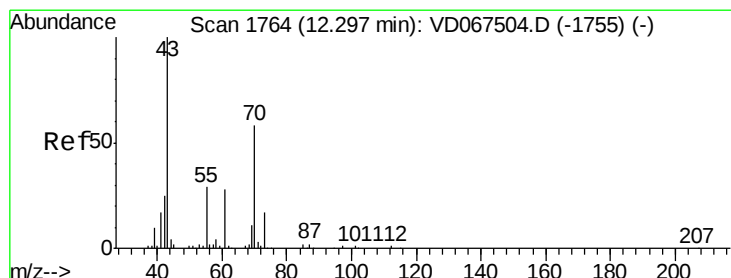
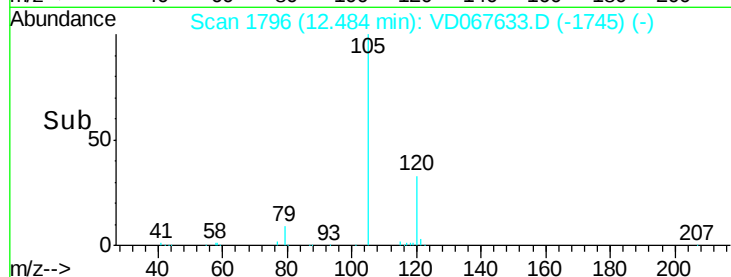
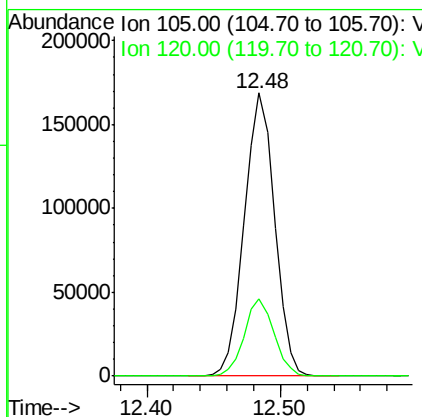
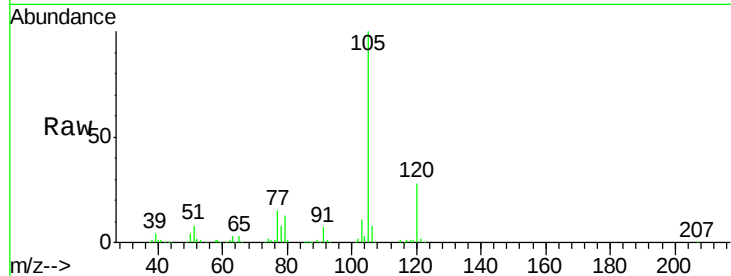
#73
Isopropylbenzene
Concen: 20.930 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.2	39.6

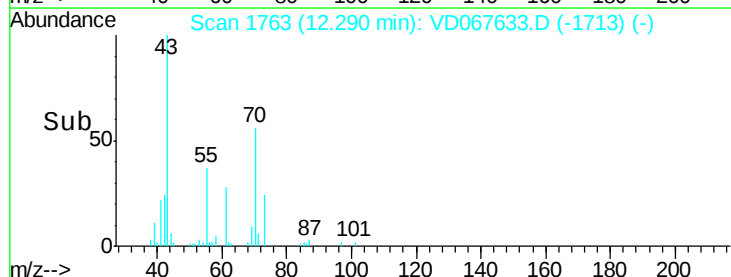
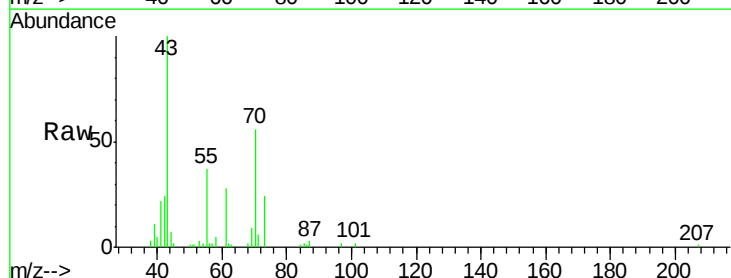
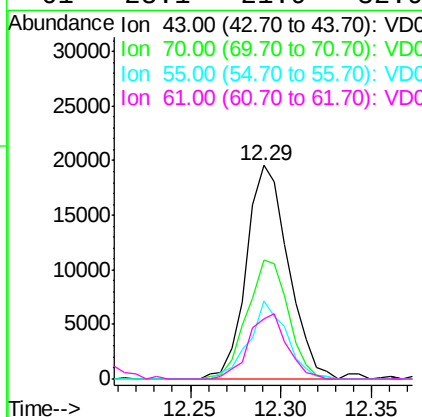
Manual Integrations
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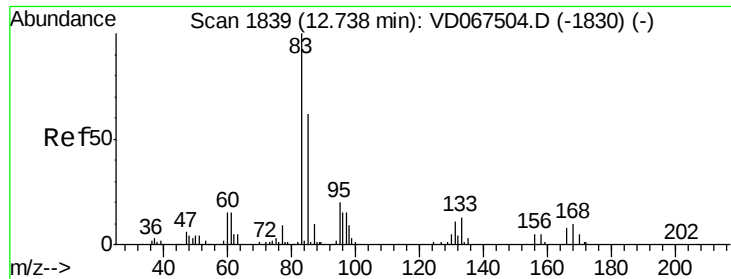
MMDadoda
11/17/2020 6:57:57 PM



#74
N-ethyl acetate
Concen: 18.879 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Tgt Ion	Ratio	Lower	Upper
43	100		
70	54.9	42.6	64.0
55	32.7	23.7	35.5
61	28.1	21.9	32.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.219 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBS01

Tot Ion: 83 Resp: 34877

Ion Ratio Lower Upper

83 100

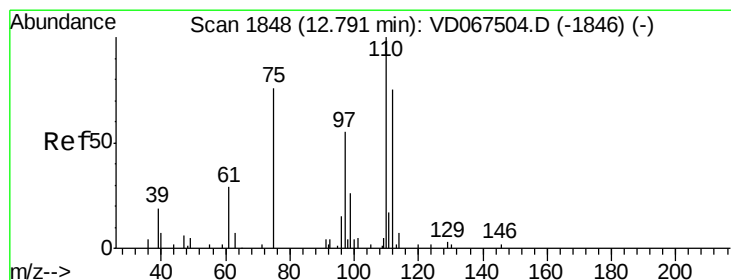
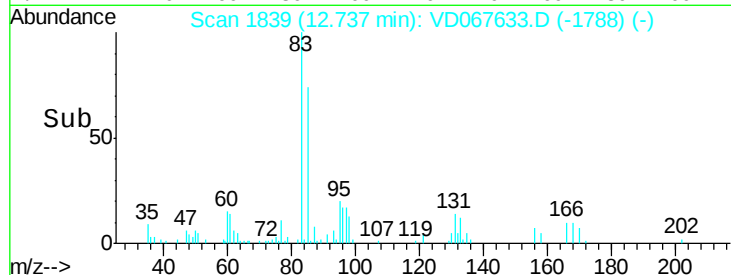
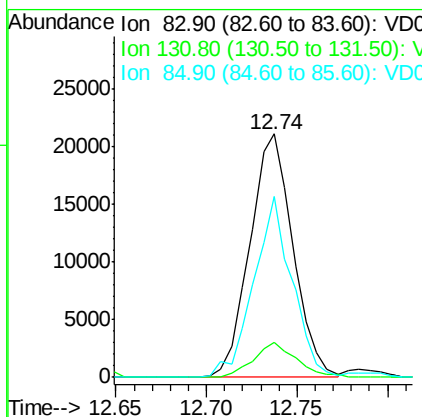
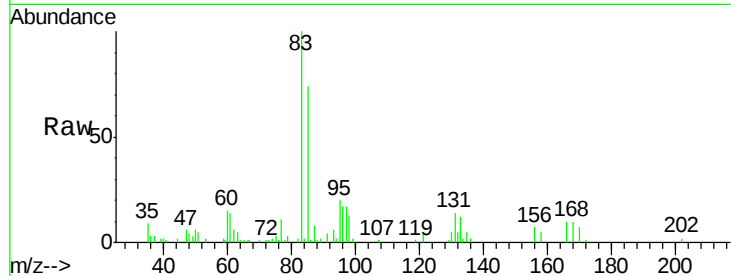
131 14.1 7.1 21.3

85 66.4 32.9 98.7

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#76

1,2,3-Trichloropropane

Concen: 19.001 ug/l m

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD067633.D

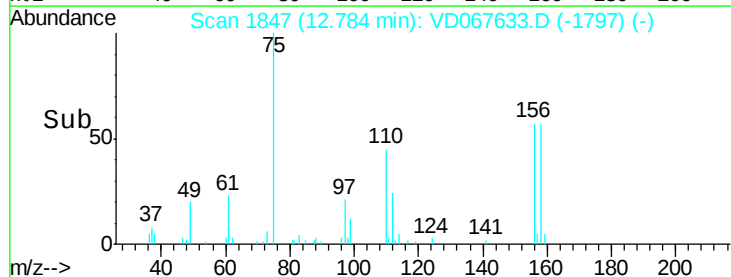
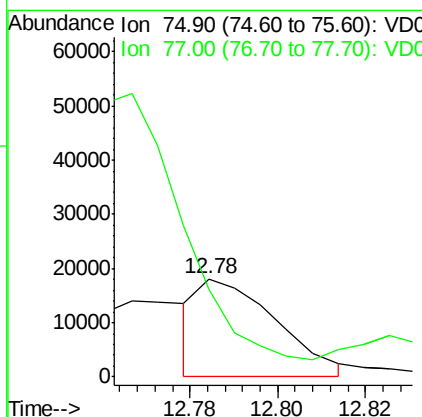
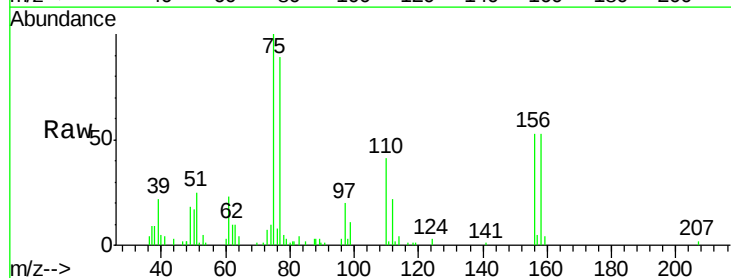
Acq: 16 Nov 2020 11:45

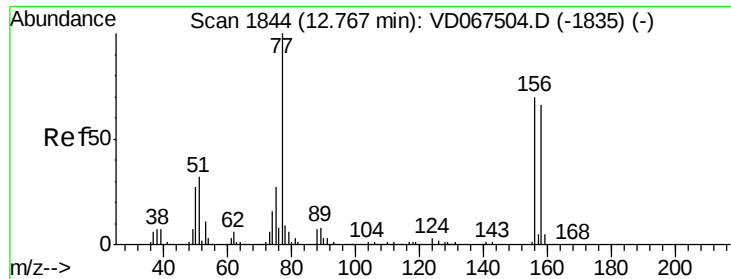
Tgt Ion: 75 Resp: 22436

Ion Ratio Lower Upper

75 100

77 431.3 0.0 0.0#





#77

Bromobenzene

Concen: 20.574 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBS01

Tot Ion:156 Resp: 63919

Ion Ratio Lower Upper

156 100

77 151.4 77.8 233.5

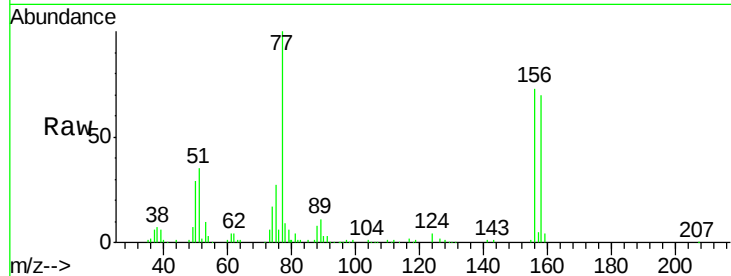
158 97.9 47.9 143.7

Manual Integrations

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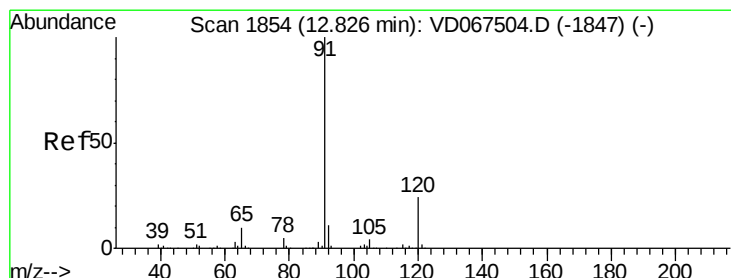
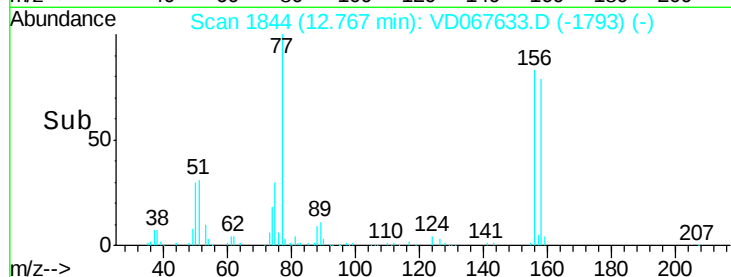
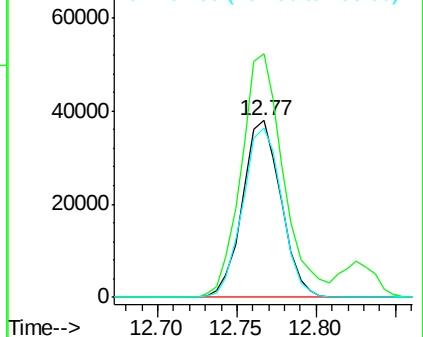
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.726 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD067633.D

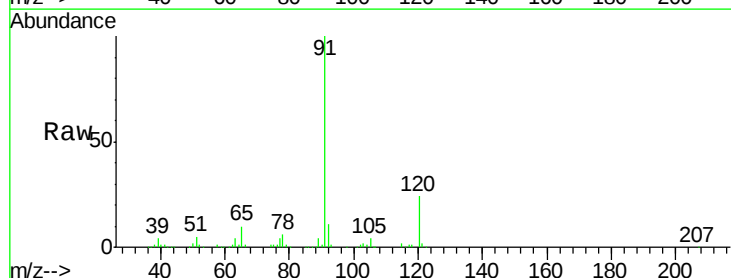
Acq: 16 Nov 2020 11:45

Tgt Ion: 91 Resp: 299898

Ion Ratio Lower Upper

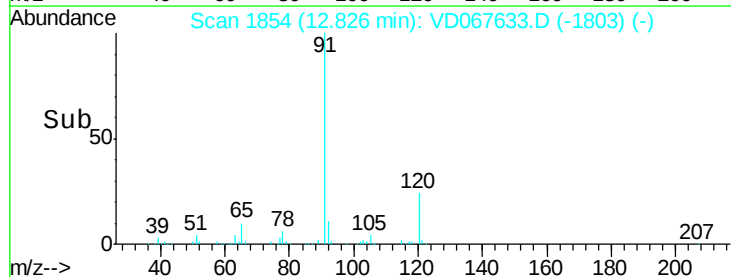
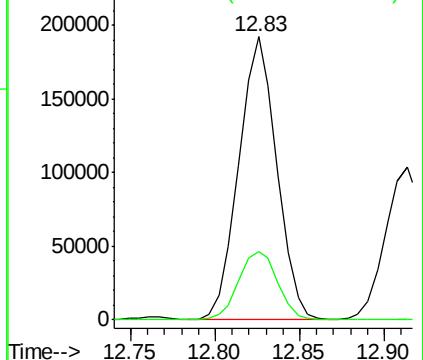
91 100

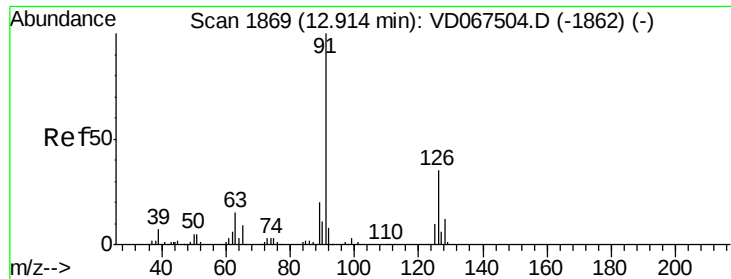
120 25.0 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.030 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBS01

Tot Ion: 91 Resp: 172855

Ion Ratio Lower Upper

91 100

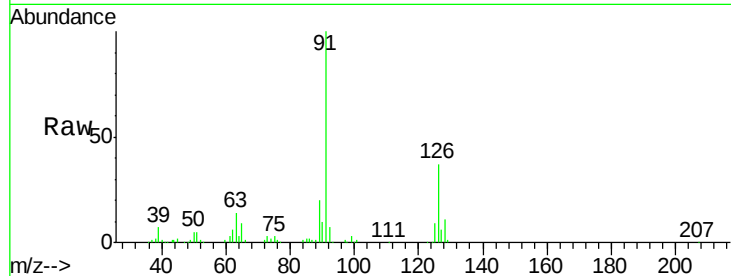
126 35.3 17.8 53.4

Manual Integrations

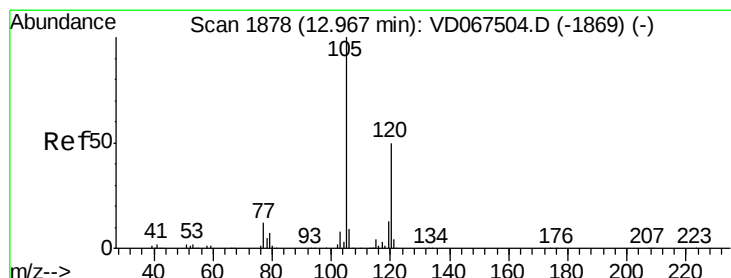
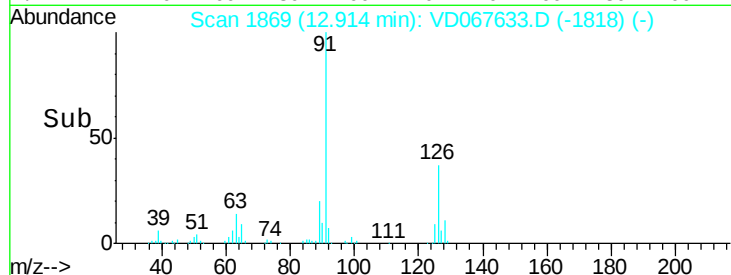
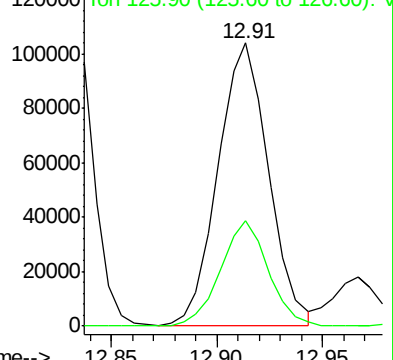
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Abundance Ion 91.00 (90.70 to 91.70): VD067504.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.777 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD067633.D

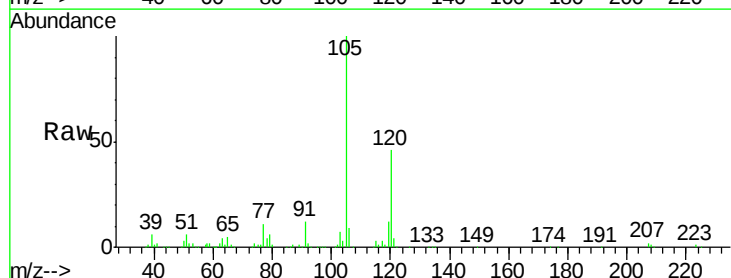
Acq: 16 Nov 2020 11:45

Tgt Ion:105 Resp: 235326

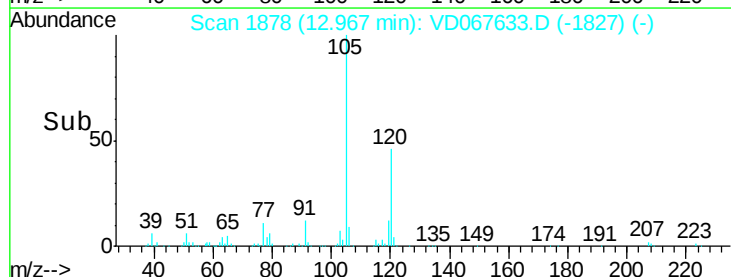
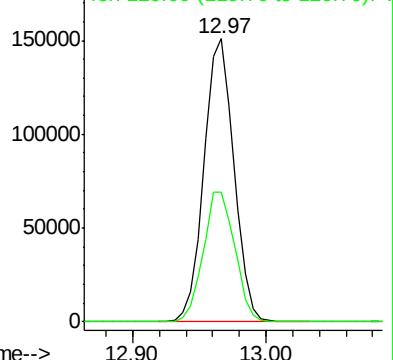
Ion Ratio Lower Upper

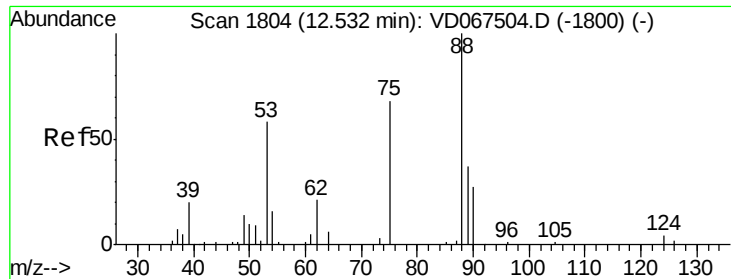
105 100

120 48.3 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VD067504.D (-1869) (-)





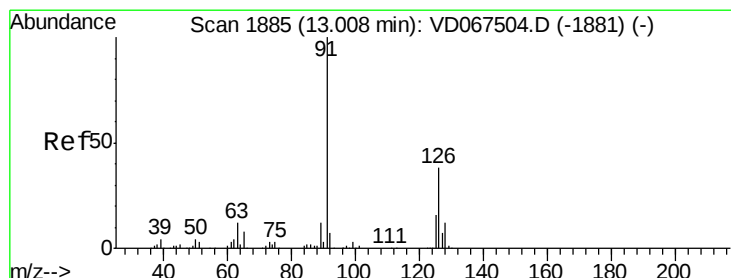
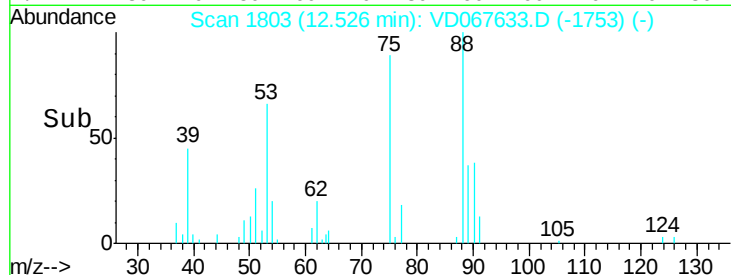
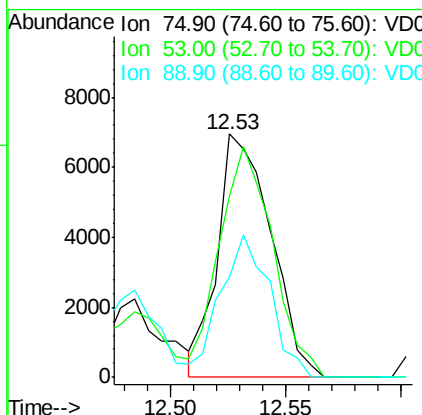
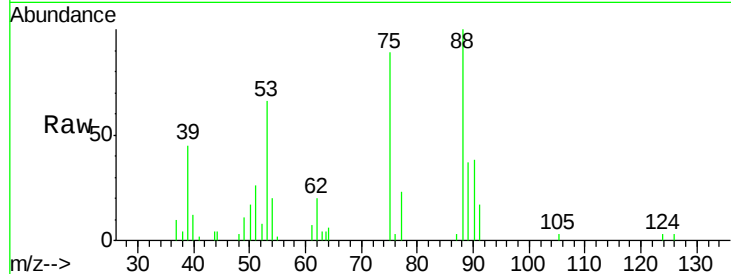
#81
trans-1,4-Dichloro-2-butene
Concen: 19.292 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.6	75.9	113.9
89	53.6	44.6	67.0

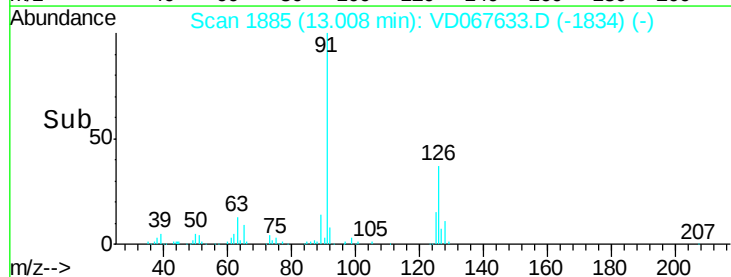
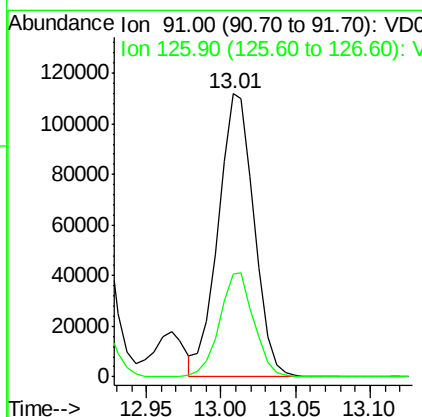
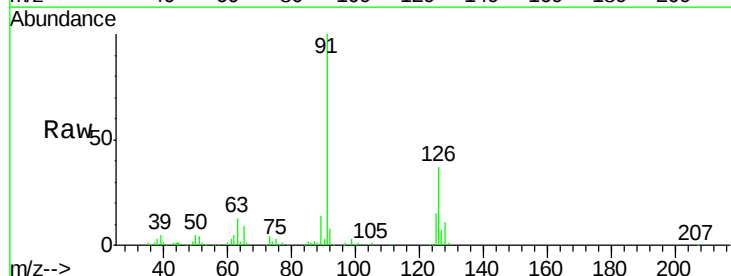
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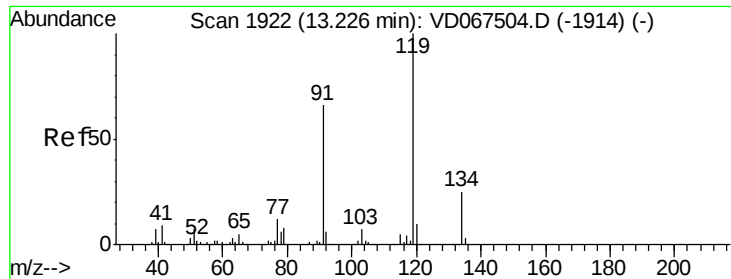
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#82
4-Chlorotoluene
Concen: 21.341 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.9	53.7





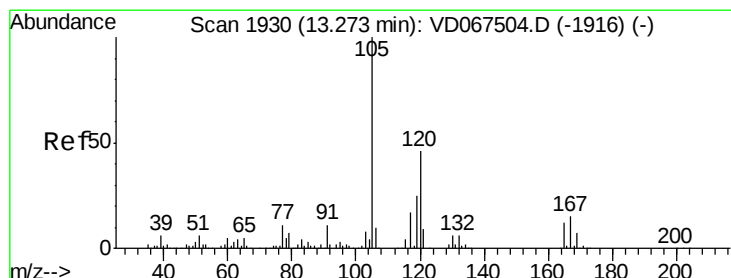
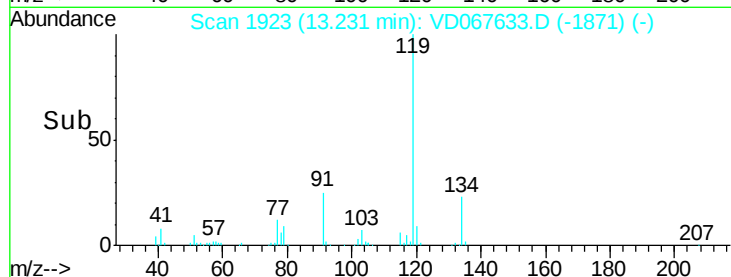
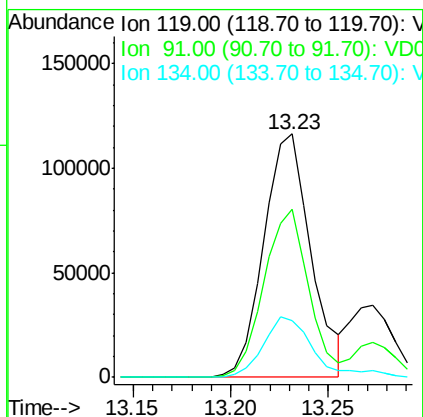
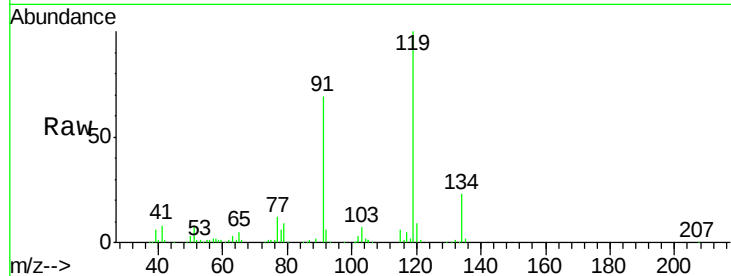
#83
tert-Butylbenzene
Concen: 21.298 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	195059		
91	65.3	32.7	98.1	
134	26.7	13.4	40.2	

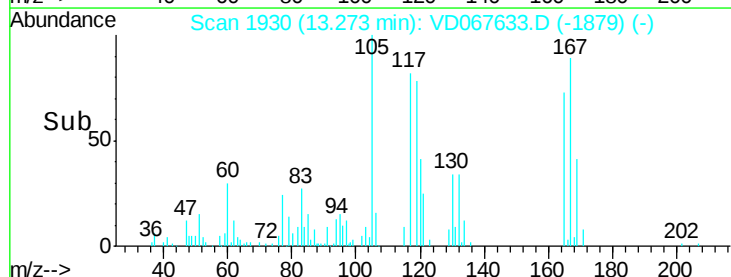
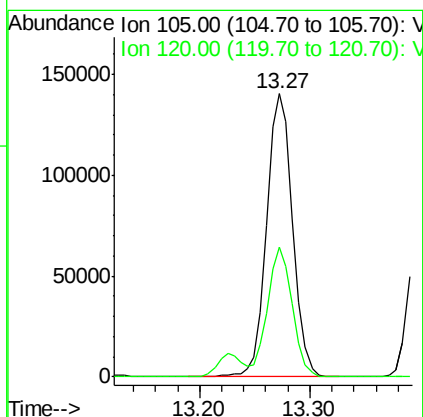
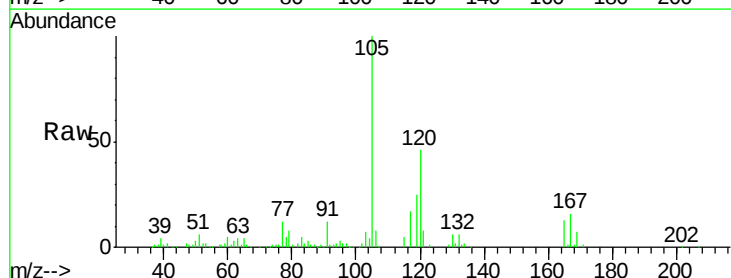
Manual Integrations
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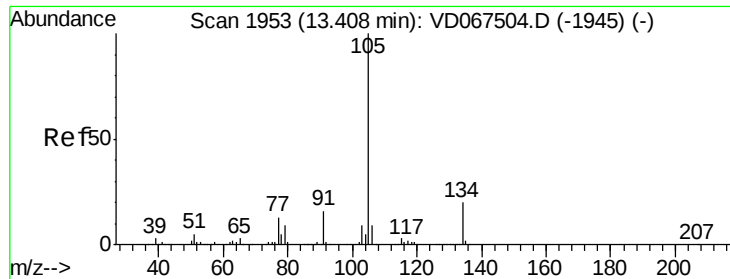
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#84
1,2,4-Trimethylbenzene
Concen: 21.422 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	230432		
120	44.1	22.1	66.1	





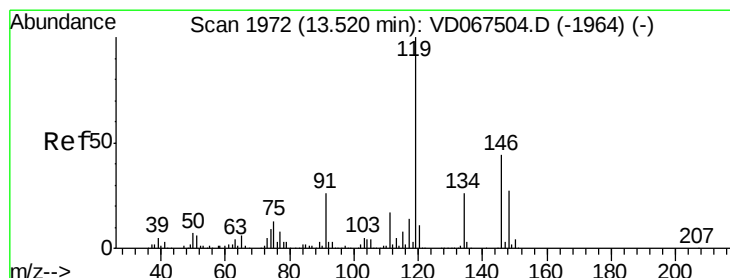
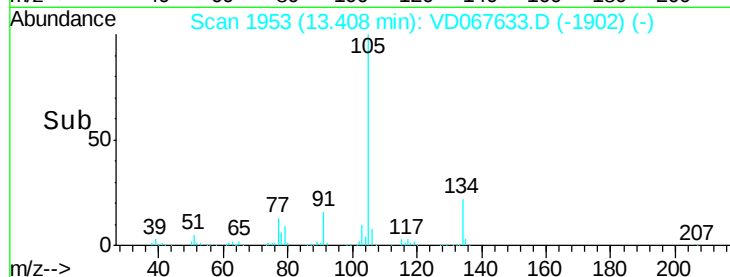
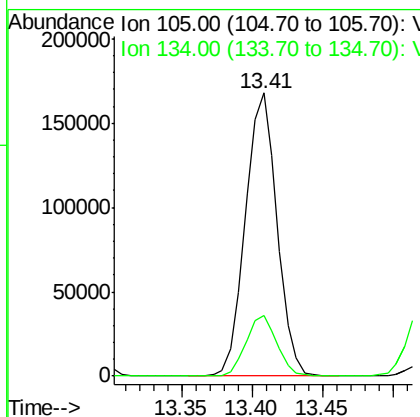
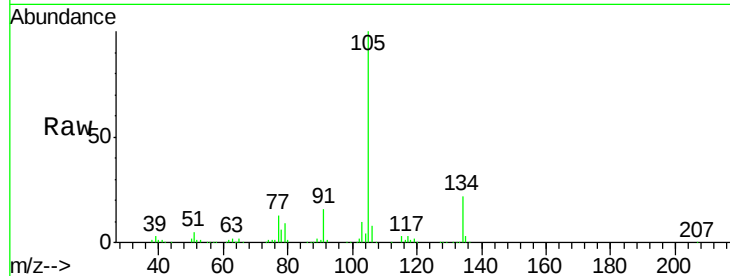
#85
 sec-Butylbenzene
 Concen: 21.360 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD067633.D
 Acq: 16 Nov 2020 11:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.1	10.4	31.4

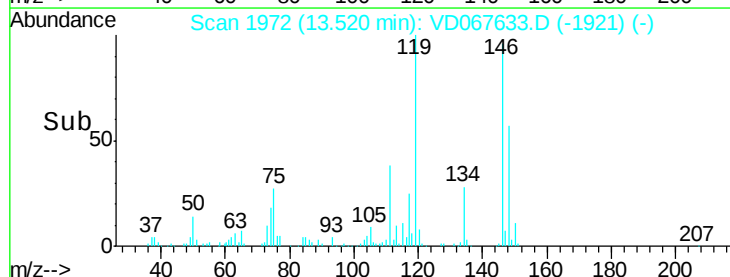
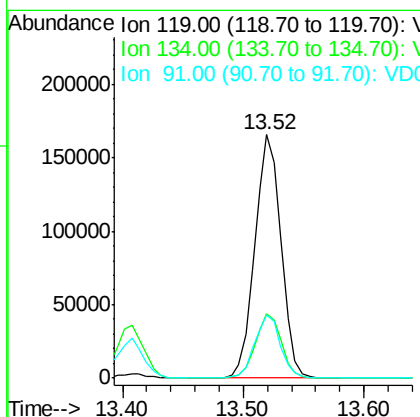
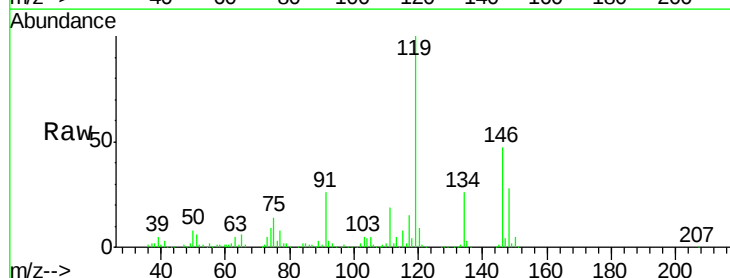
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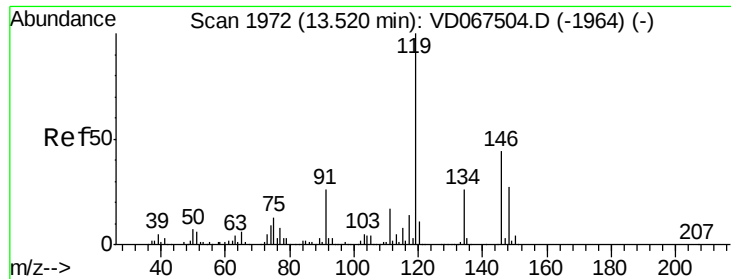
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#86
 p-Isopropyltoluene
 Concen: 20.950 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067633.D
 Acq: 16 Nov 2020 11:45

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.1	39.3
91	25.7	12.2	36.4





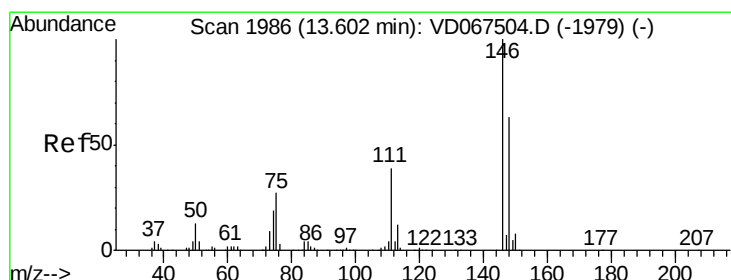
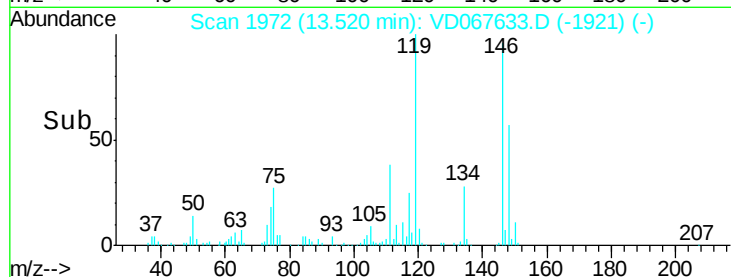
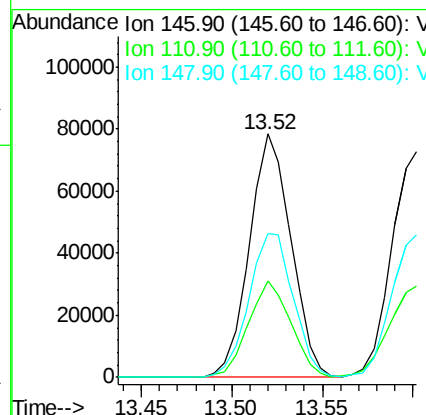
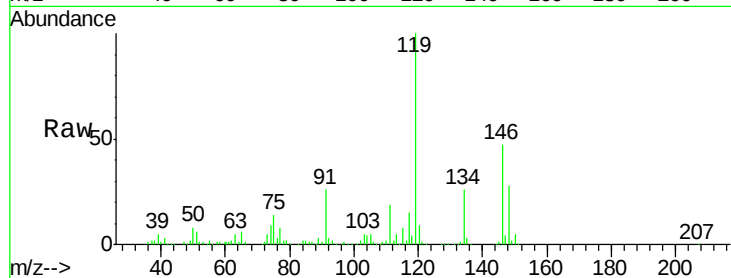
#87
 1,3-Dichlorobenzene
 Concen: 21.178 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067633.D
 Acq: 16 Nov 2020 11:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.3	60.8
148	62.9	31.9	95.9

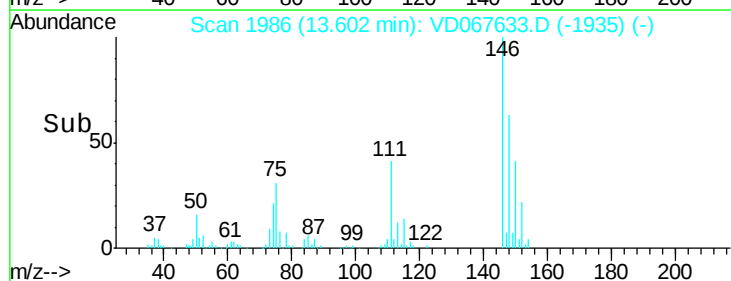
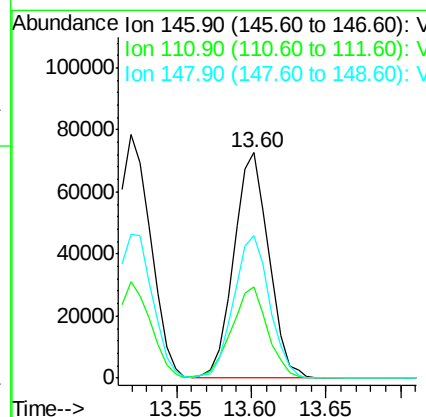
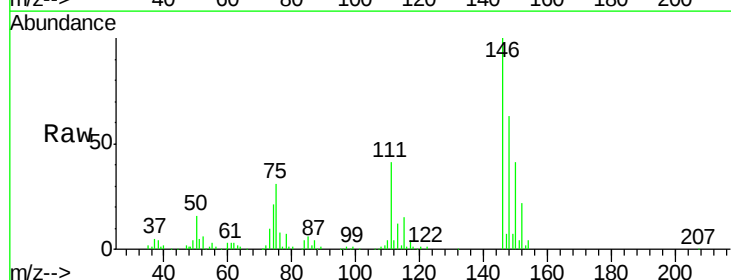
Manual Integrations
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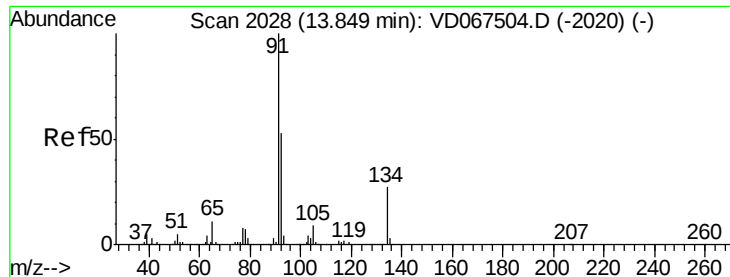
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 11/17/2020 6:57:57 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.762 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD067633.D
 Acq: 16 Nov 2020 11:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	19.6	58.7
148	64.8	31.8	95.4





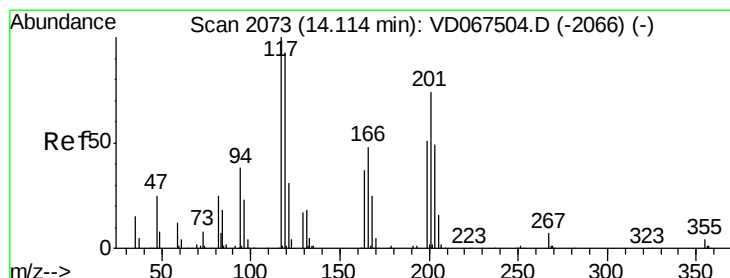
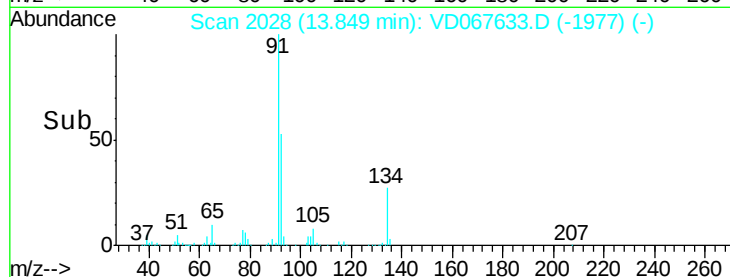
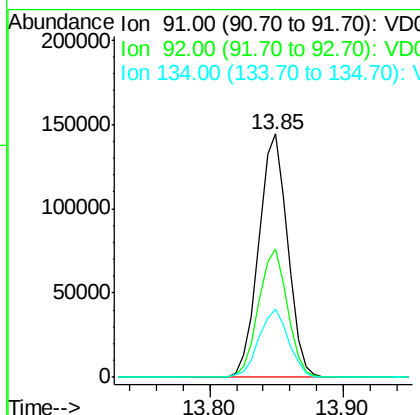
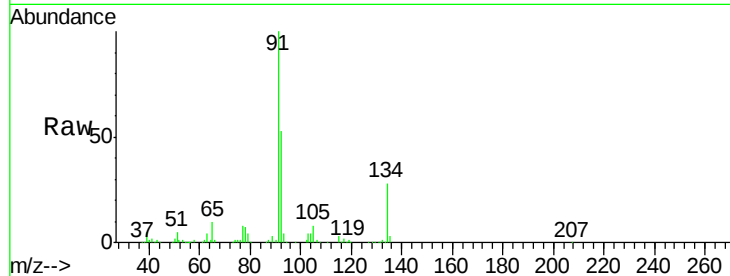
#89
n-Butylbenzene
Concen: 20.852 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Instrument :
MSVOA_D
ClientSampleID :
VD1116SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.6	79.8
134	28.7	14.1	42.2

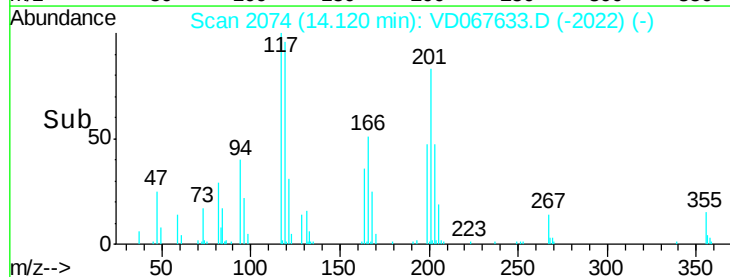
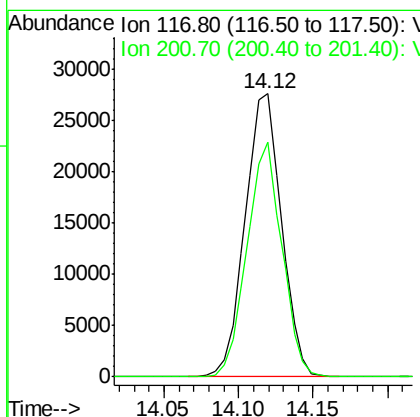
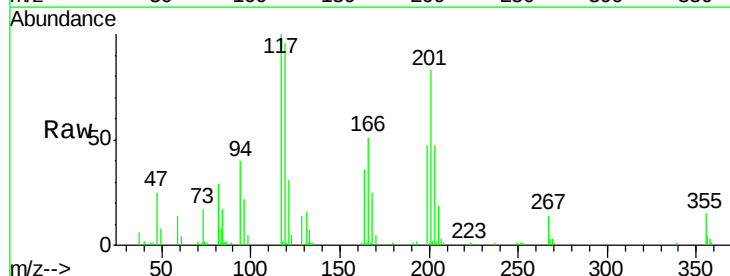
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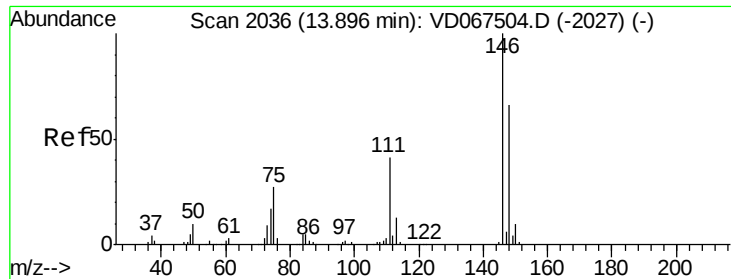
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#90
Hexachloroethane
Concen: 20.751 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.2	40.7	122.1





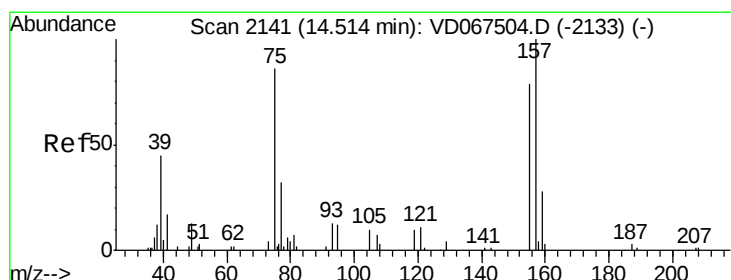
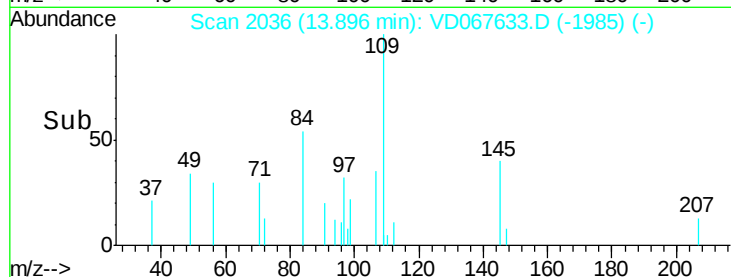
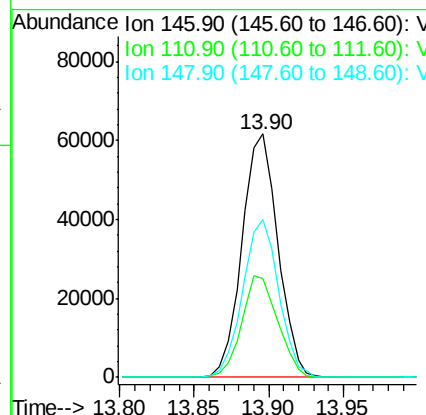
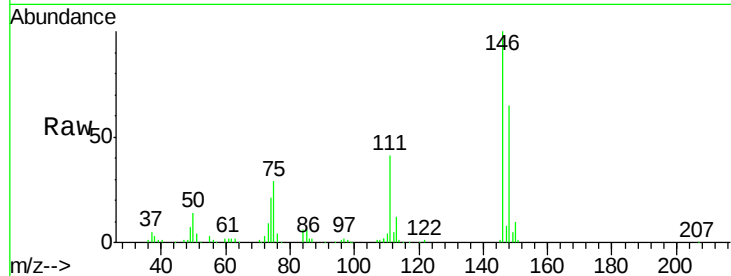
#91
 1,2-Dichlorobenzene
 Concen: 20.041 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD067633.D
 Acq: 16 Nov 2020 11:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.7	62.1
148	65.2	31.5	94.5

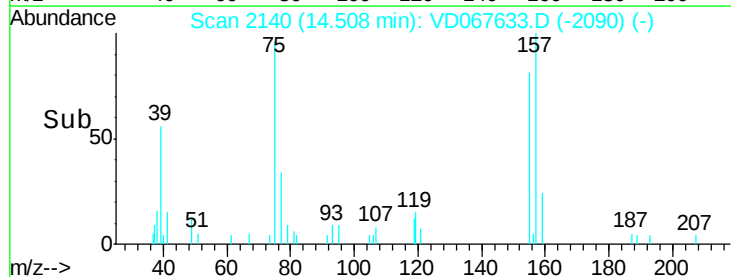
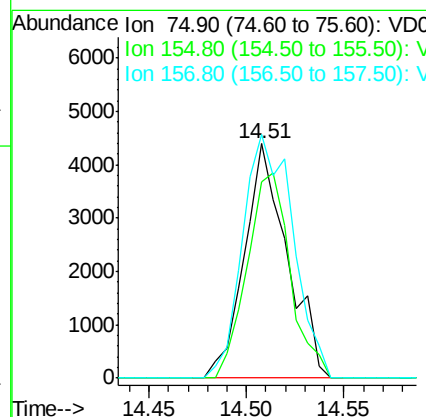
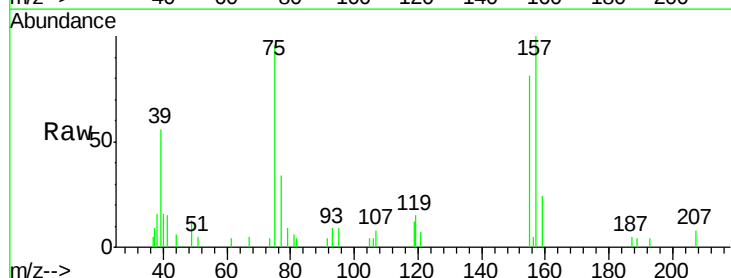
Manual Integrations
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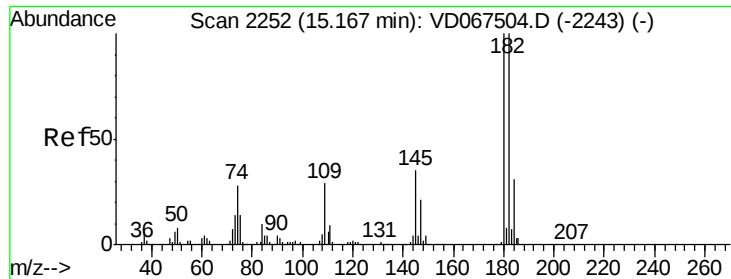
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.888 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067633.D
 Acq: 16 Nov 2020 11:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.1	46.6	139.8
157	121.7	58.1	174.2





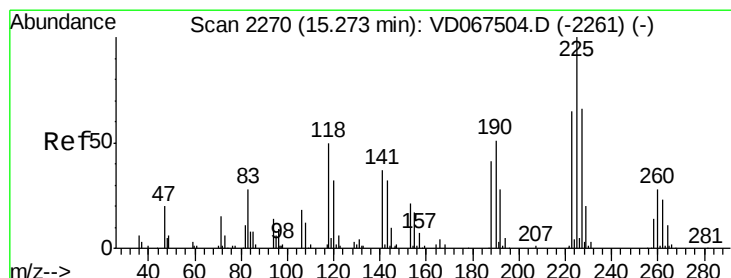
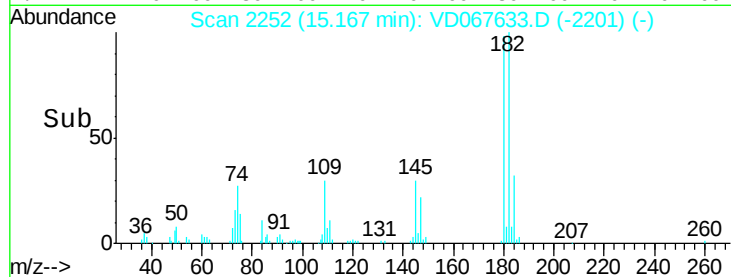
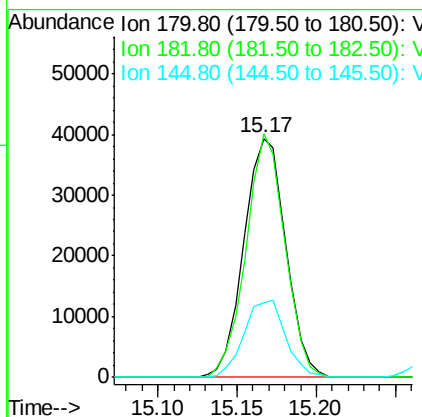
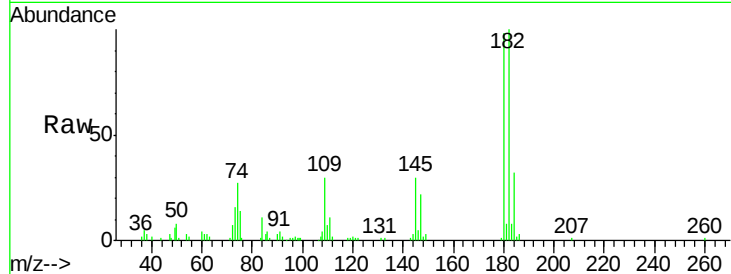
#93
 1,2,4-Trichlorobenzene
 Concen: 20.774 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD067633.D
 Acq: 16 Nov 2020 11:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBS01

Tot Ion:	180	Resp:	72339
Ion Ratio	Lower	Upper	
180	100		
182	94.3	47.4	142.3
145	32.1	16.2	48.6

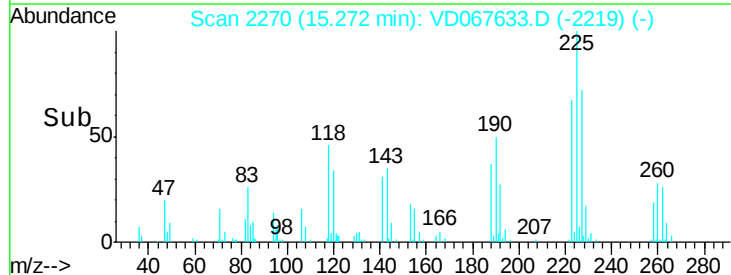
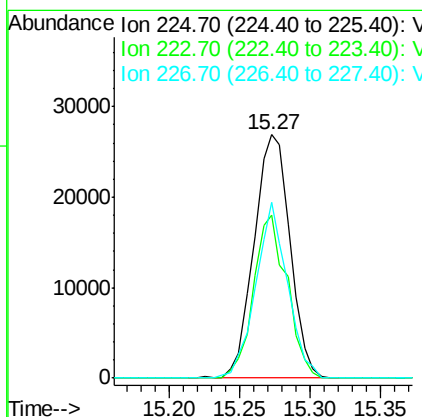
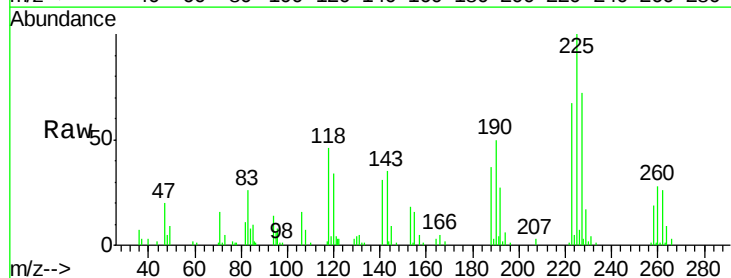
Manual Integrations
 APPROVED

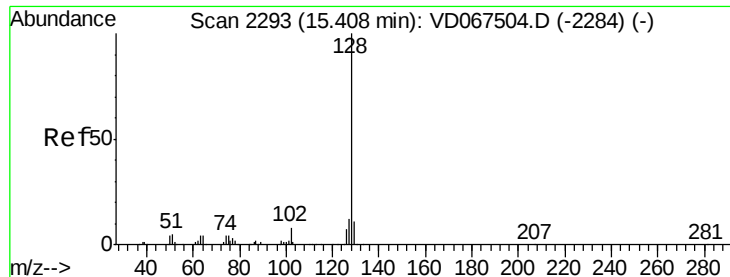
MMDadoda
 11/17/2020 6:57:57 PM



#94
 Hexachlorobutadiene
 Concen: 20.637 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD067633.D
 Acq: 16 Nov 2020 11:45

Tgt Ion:	225	Resp:	48095
Ion Ratio	Lower	Upper	
225	100		
223	62.7	31.9	95.5
227	64.0	32.5	97.4





#95

Naphthalene

Concen: 20.873 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

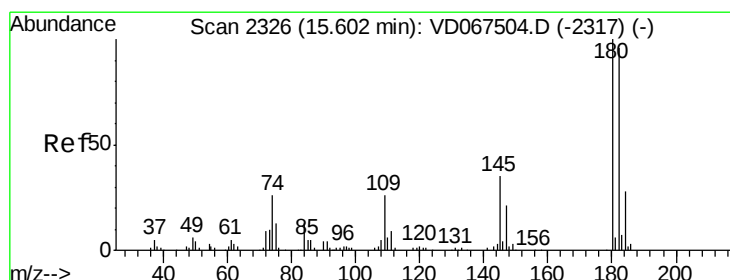
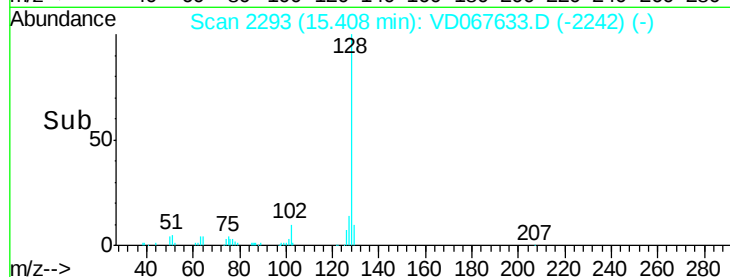
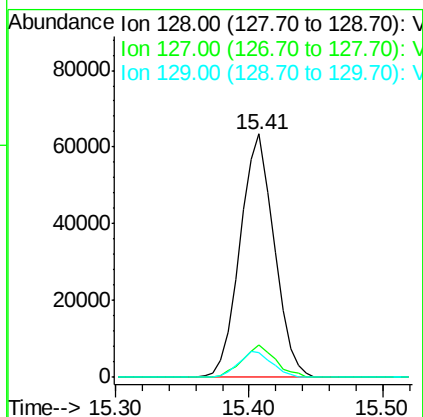
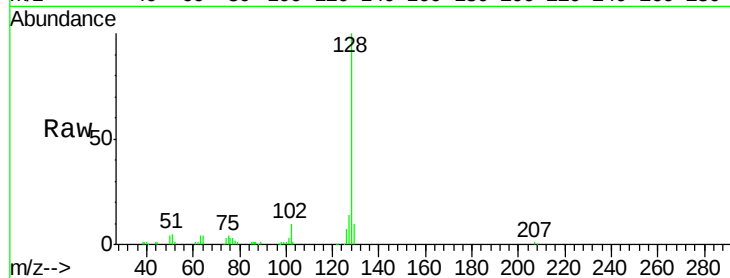
VD1116SBS01

Tot Ion:	128	Resp:	112170
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.2	15.4
129	10.4	8.9	13.3

Manual Integrations
APPROVED

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11/17/2020 6:57:57 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.902 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

Tgt Ion:	180	Resp:	62329
Ion Ratio	Lower	Upper	
180	100		
182	92.9	46.9	140.8
145	34.8	17.1	51.2

