

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100120\
 Data File : VD066994.D
 Acq On : 01 Oct 2020 15:57
 Operator : VA/SY
 Sample : VD1001SBSD01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1001SBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/2/2020 3:13:32 PM

Quant Time: Oct 02 00:58:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	479558	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	753352	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	695170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	340504	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	230825	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
35) Dibromofluoromethane	7.91	113	244381	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
50) Toluene-d8	10.34	98	918166	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	
62) 4-Bromofluorobenzene	12.63	95	311845	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	97890	22.644	ug/l	90
3) Chloromethane	2.21	50	84030	22.003	ug/l	94
4) Vinyl Chloride	2.35	62	82134	21.448	ug/l	90
5) Bromomethane	2.76	94	61452	22.515	ug/l	92
6) Chloroethane	2.92	64	47152	20.219	ug/l #	83
7) Trichlorofluoromethane	3.27	101	180228	21.183	ug/l	99
8) Diethyl Ether	3.71	74	44689	21.182	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.10	101	100248	20.847	ug/l	99
10) Methyl Iodide	4.30	142	89776	19.213	ug/l	99
11) Tert butyl alcohol	5.22	59	41449m	129.741	ug/l	
12) 1,1-Dichloroethene	4.07	96	93159	20.607	ug/l	96
13) Acrolein	3.92	56	31490	101.813	ug/l	99
14) Allyl chloride	4.71	41	125832	21.426	ug/l	99
15) Acrylonitrile	5.42	53	83897	108.045	ug/l	98
16) Acetone	4.16	43	74621	105.830	ug/l	100
17) Carbon Disulfide	4.41	76	293260	21.138	ug/l	100
18) Methyl Acetate	4.72	43	38121	21.511	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	177795	21.544	ug/l	98
20) Methylene Chloride	4.97	84	139455	24.103	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	108895	21.166	ug/l	96
22) Diisopropyl ether	6.36	45	242494	22.617	ug/l	99
23) Vinyl Acetate	6.31	43	663369	109.188	ug/l	100
24) 1,1-Dichloroethane	6.26	63	175768	21.243	ug/l	100
25) 2-Butanone	7.21	43	107989	108.024	ug/l	97
26) 2,2-Dichloropropane	7.21	77	159799	20.120	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	117053	21.304	ug/l	98
28) Bromochloromethane	7.54	49	65537	20.510	ug/l	100
29) Tetrahydrofuran	7.56	42	63086	109.752	ug/l	98
30) Chloroform	7.71	83	187976	20.942	ug/l	99
31) Cyclohexane	7.98	56	144729	20.864	ug/l	90
32) 1,1,1-Trichloroethane	7.90	97	174781	21.011	ug/l	99
36) 1,1-Dichloropropene	8.11	75	148221	21.108	ug/l	100
37) Ethyl Acetate	7.30	43	50170	20.624	ug/l	98
38) Carbon Tetrachloride	8.10	117	161523	21.259	ug/l	93

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	156364	21.062	ug/l	97
40) Benzene	8.35	78	419444	21.505	ug/l	97
41) Methacrylonitrile	7.53	41	29034m	22.092	ug/l	
42) 1,2-Dichloroethane	8.43	62	119827	21.986	ug/l	97
43) Isopropyl Acetate	8.45	43	99987	22.311	ug/l	98
44) Trichloroethene	9.11	130	120904	20.759	ug/l	98
45) 1,2-Dichloropropane	9.38	63	98807	21.561	ug/l	97
46) Dibromomethane	9.47	93	56667	21.514	ug/l	97
47) Bromodichloromethane	9.66	83	144964	21.173	ug/l	99
48) Methyl methacrylate	9.45	41	45080	19.635	ug/l #	82
49) 1,4-Dioxane	9.47	88	12849	467.408	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	244531	109.547	ug/l	99
52) Toluene	10.40	92	269381	21.441	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	131212	21.443	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	158348	21.192	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	77419	21.141	ug/l	89
56) Ethyl methacrylate	10.66	69	84328	22.305	ug/l	98
57) 1,3-Dichloropropane	10.94	76	129338	21.780	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	227719	108.216	ug/l	97
59) 2-Hexanone	10.98	43	167299	112.292	ug/l	100
60) Dibromochloromethane	11.14	129	104334	21.377	ug/l	98
61) 1,2-Dibromoethane	11.24	107	74524	21.183	ug/l	96
64) Tetrachloroethene	10.88	164	107051	21.182	ug/l	89
65) Chlorobenzene	11.67	112	291034	21.050	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	110704	21.049	ug/l	99
67) Ethyl Benzene	11.74	91	508543	21.467	ug/l	99
68) m/p-Xylenes	11.85	106	396741	42.974	ug/l	100
69) o-Xylene	12.18	106	178135	21.577	ug/l	99
70) Styrene	12.20	104	312231	22.024	ug/l	100
71) Bromoform	12.36	173	58097	21.281	ug/l #	100
73) Isopropylbenzene	12.48	105	482002	20.847	ug/l	100
74) N-amyl acetate	12.29	43	88305	21.246	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	80503	20.666	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	51724m	17.440	ug/l	
77) Bromobenzene	12.76	156	118403	21.209	ug/l	98
78) n-propylbenzene	12.82	91	585848	21.440	ug/l	100
79) 2-Chlorotoluene	12.91	91	322802	20.648	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	417282	21.362	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	23283	19.572	ug/l	98
82) 4-Chlorotoluene	13.01	91	353473	21.251	ug/l	99
83) tert-Butylbenzene	13.23	119	333478	20.273	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	414806	21.278	ug/l	99
85) sec-Butylbenzene	13.40	105	489979	21.151	ug/l	99
86) p-Isopropyltoluene	13.52	119	454284	21.152	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	228811	21.041	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	225143	20.706	ug/l	98
89) n-Butylbenzene	13.85	91	400953	20.428	ug/l	98
90) Hexachloroethane	14.12	117	74178	19.718	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	196633	20.705	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12925	20.583	ug/l	98

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ClientSampleId :
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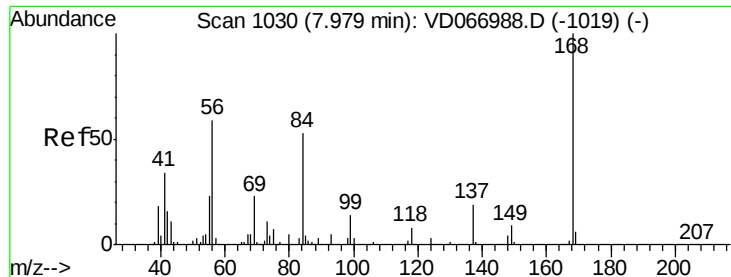
Manual Integrations
APPROVED

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10/2/2020 3:13:32 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	125377	20.410	ug/l	99
94) Hexachlorobutadiene	15.28	225	73192	19.401	ug/l	99
95) Naphthalene	15.41	128	208749	20.373	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	111808	20.967	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS01

Tot Ion:168 Resp: 479558

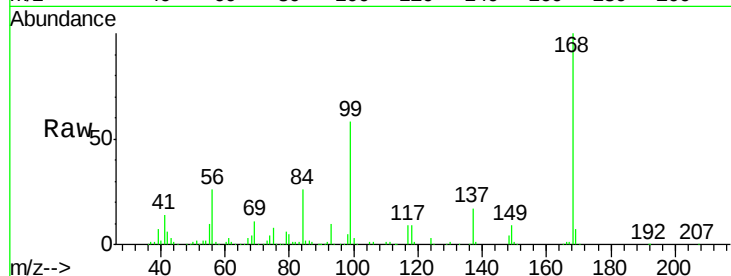
Ion Ratio Lower Upper

168 100

99 57.8 44.1 66.1

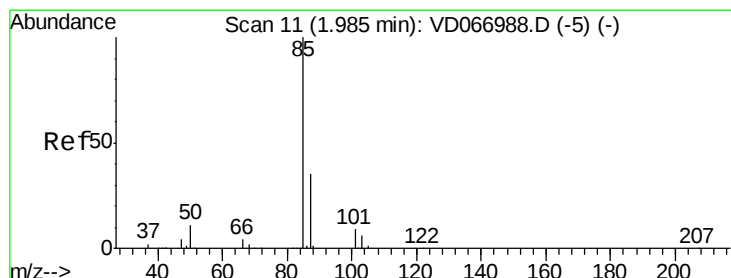
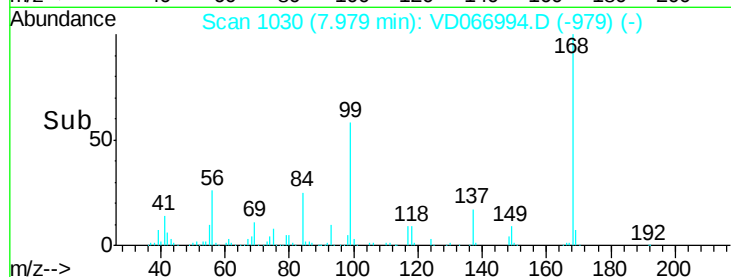
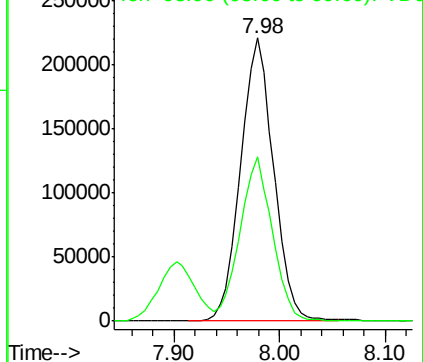
Manual Integrations
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 22.644 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066994.D

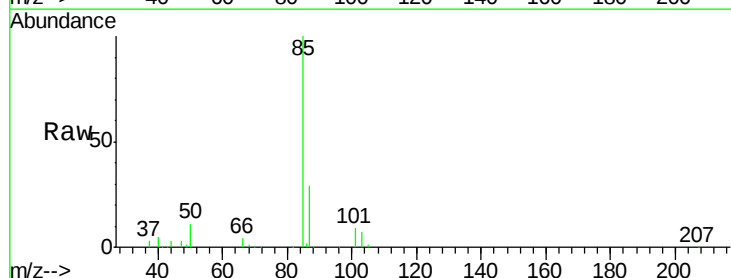
Acq: 01 Oct 2020 15:57

Tgt Ion: 85 Resp: 97890

Ion Ratio Lower Upper

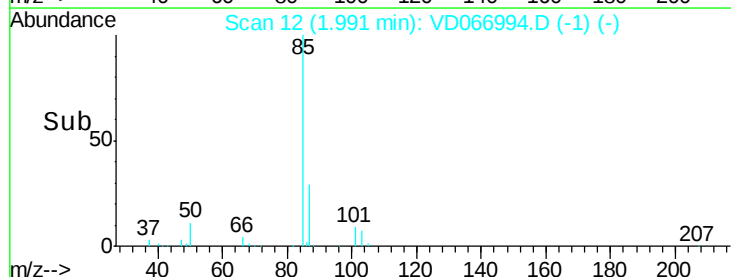
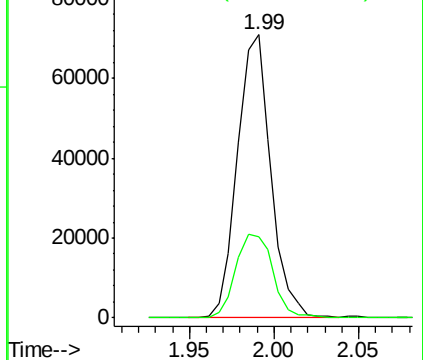
85 100

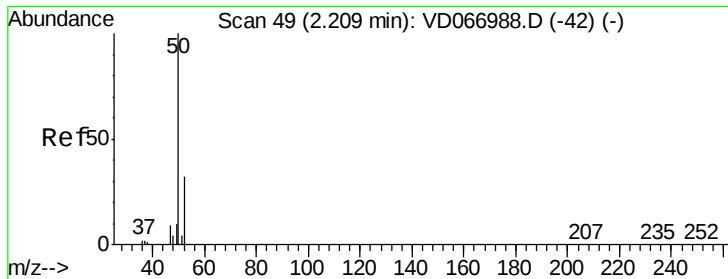
87 28.9 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 22.003 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBSD01

Tot Ion: 50 Resp: 84030

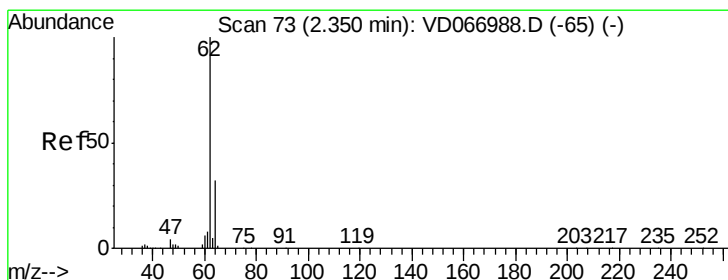
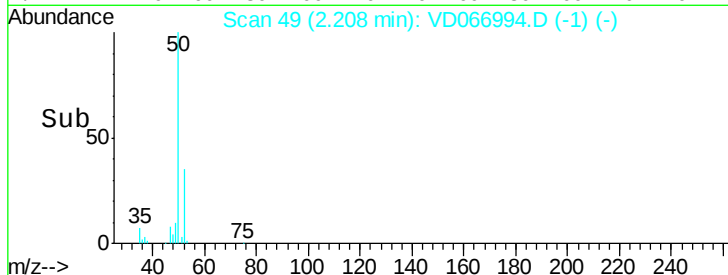
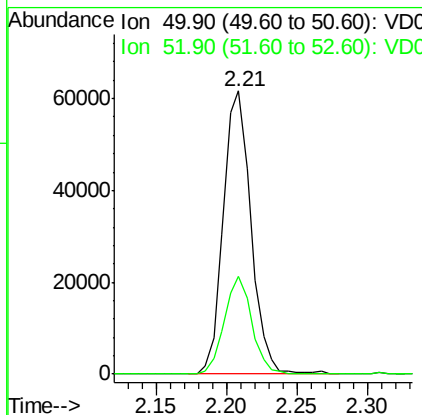
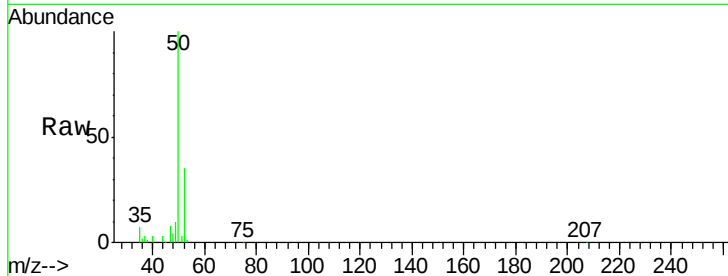
Ion Ratio Lower Upper

50 100

52 34.7 25.3 37.9

Manual Integrations
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#4

Vinyl Chloride

Concen: 21.448 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066994.D

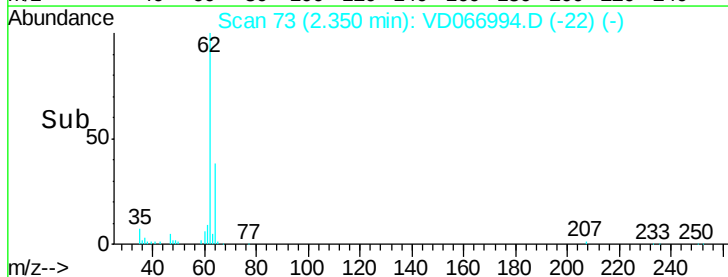
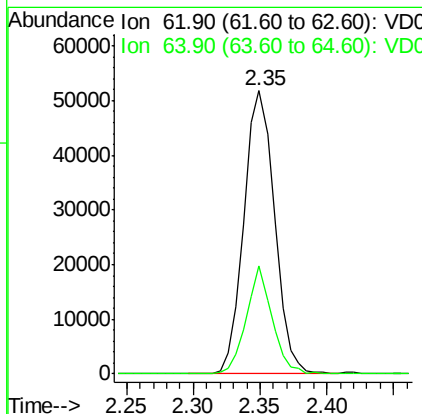
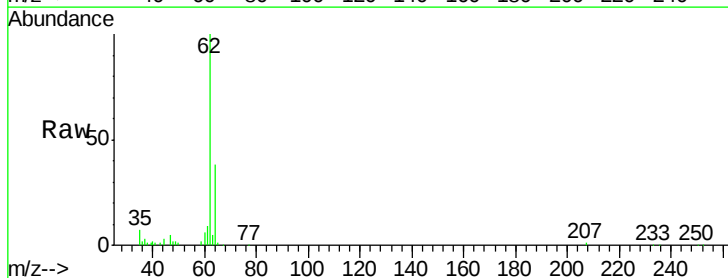
Acq: 01 Oct 2020 15:57

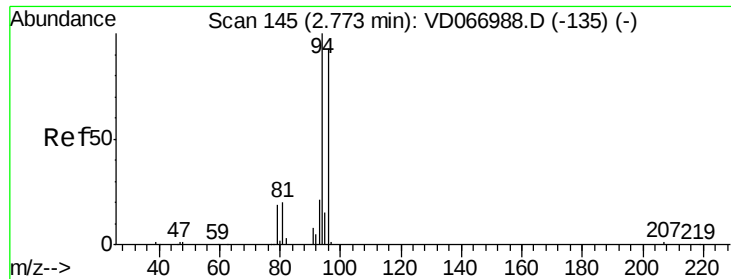
Tgt Ion: 62 Resp: 82134

Ion Ratio Lower Upper

62 100

64 38.1 25.8 38.8





#5

Bromomethane

Concen: 22.515 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS01

Tot Ion: 94 Resp: 61452

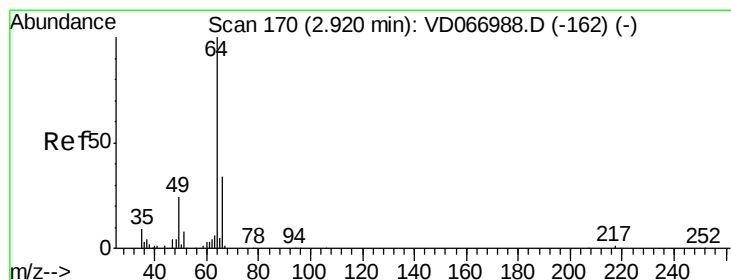
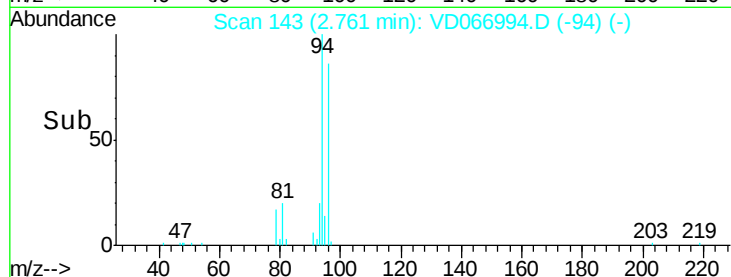
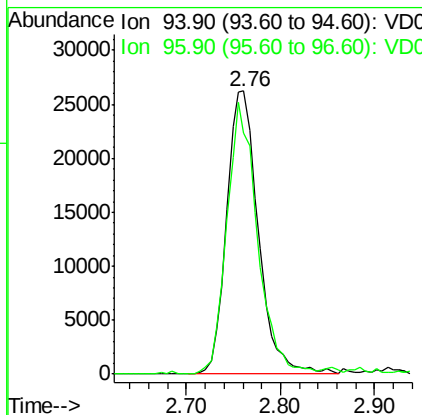
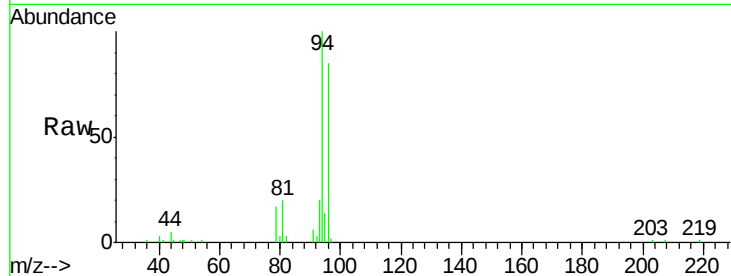
Ion Ratio Lower Upper

94 100

96 85.2 74.6 112.0

Manual Integrations
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#6

Chloroethane

Concen: 20.219 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066994.D

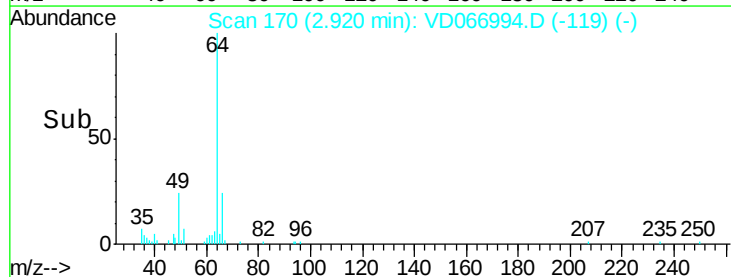
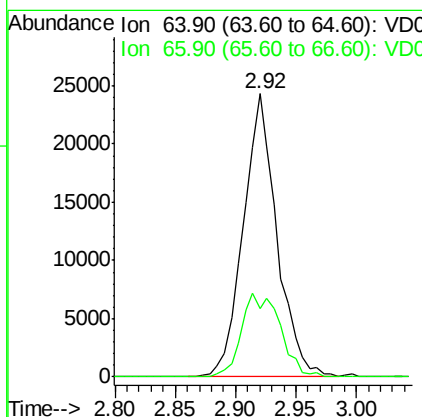
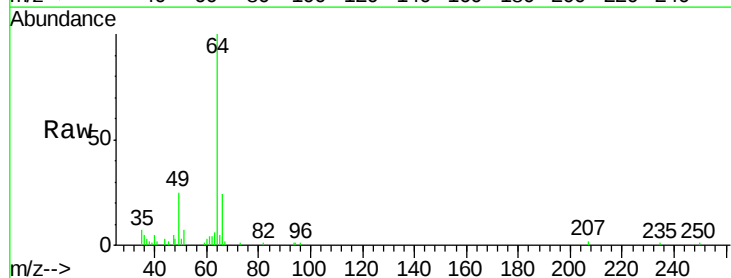
Acq: 01 Oct 2020 15:57

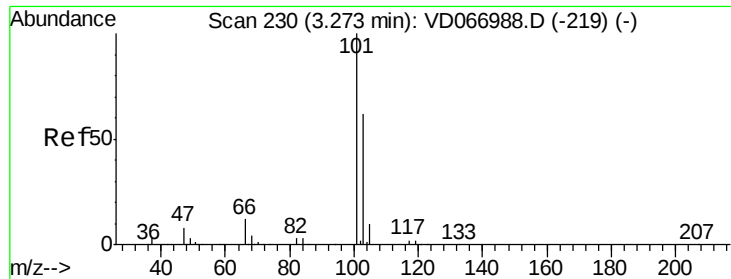
Tgt Ion: 64 Resp: 47152

Ion Ratio Lower Upper

64 100

66 24.1 27.0 40.6#





#7

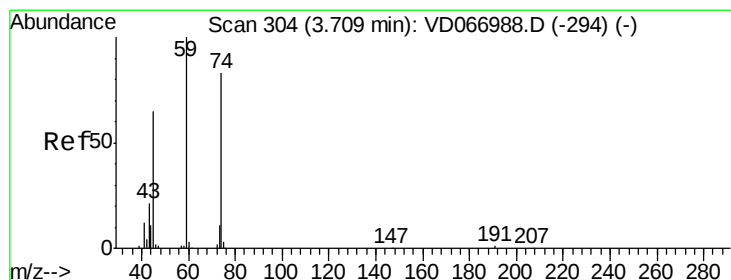
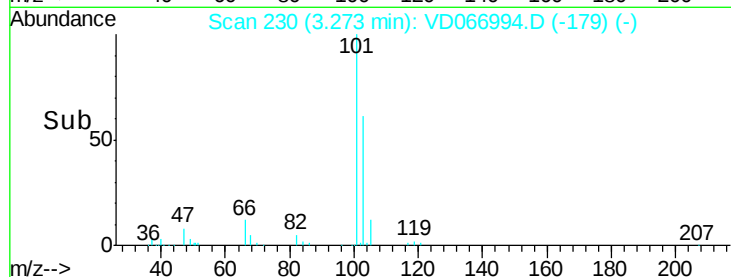
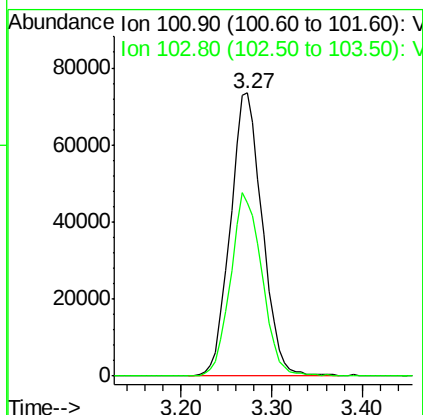
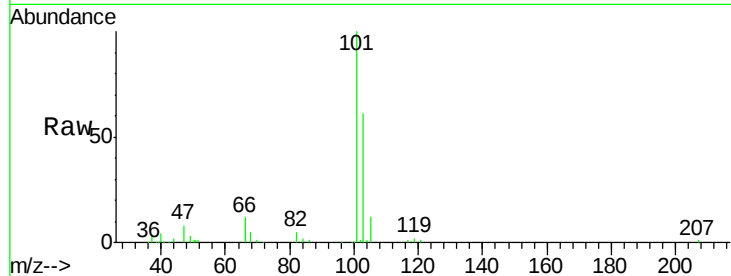
Trichlorofluoromethane
 Concen: 21.183 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD066994.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		180228		
103	61.2	49.8	74.8		

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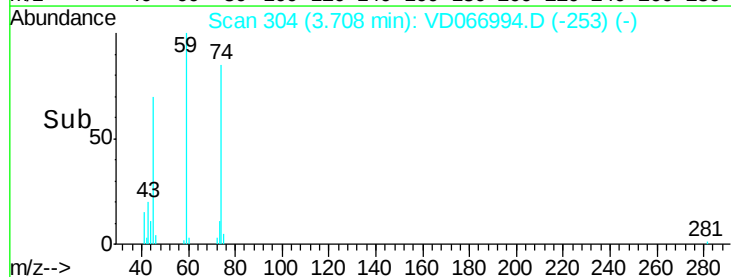
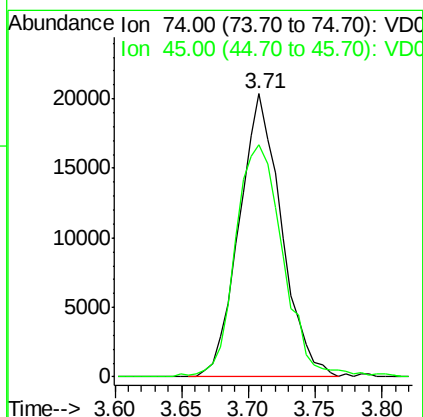
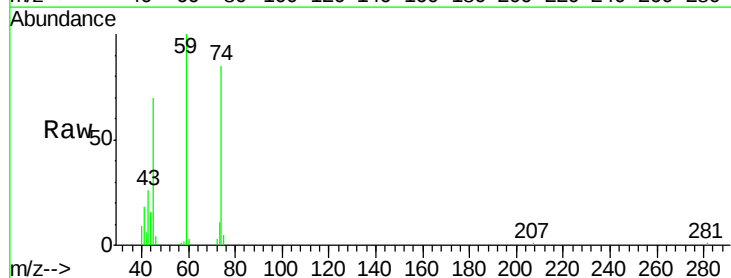
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 10/2/2020 3:13:32 PM

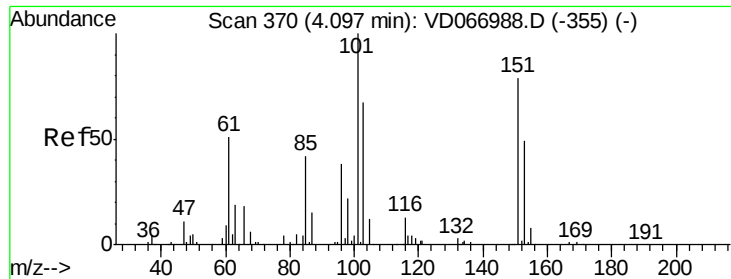


#8

Diethyl Ether
 Concen: 21.182 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD066994.D
 Acq: 01 Oct 2020 15:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		44689		
45	93.0	43.1	129.3		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.847 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Instrument :

MSVOA_D

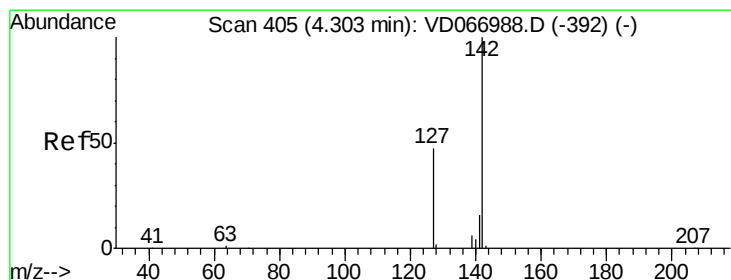
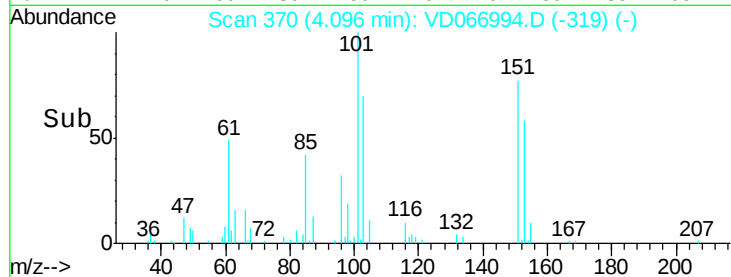
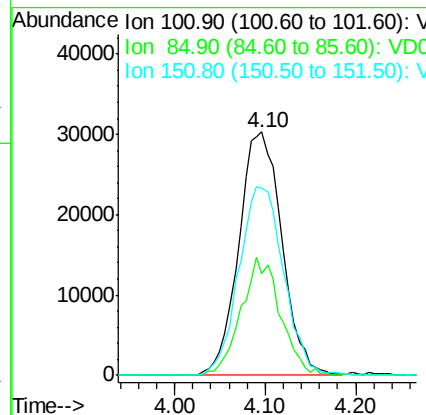
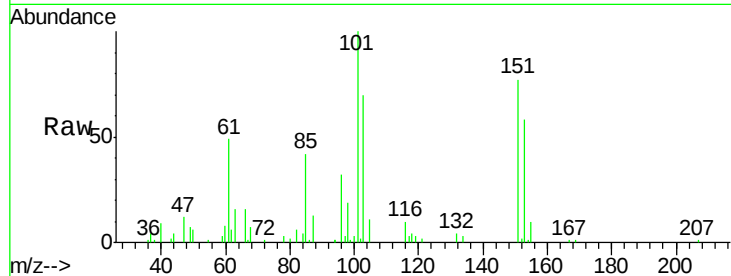
ClientSampleId :

VD1001SBS01

Tot Ion:	101	Resp:	100248
Ion Ratio	Lower	Upper	
101	100		
85	44.1	33.8	50.8
151	80.4	63.8	95.8

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#10

Methyl Iodide

Concen: 19.213 ug/l

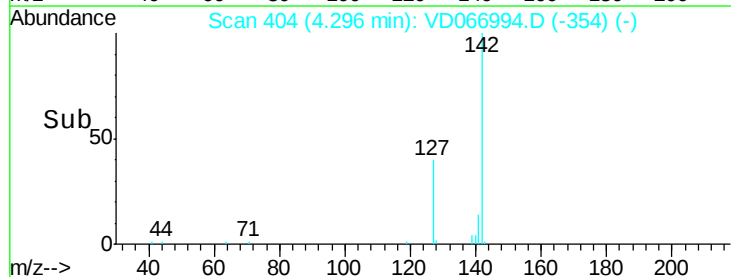
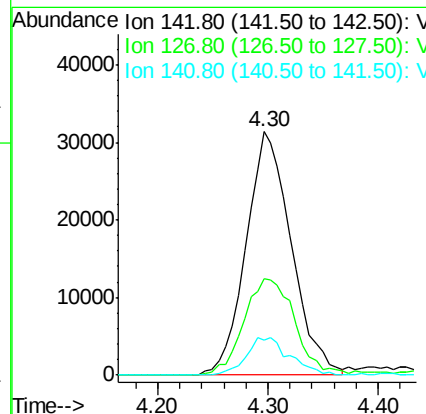
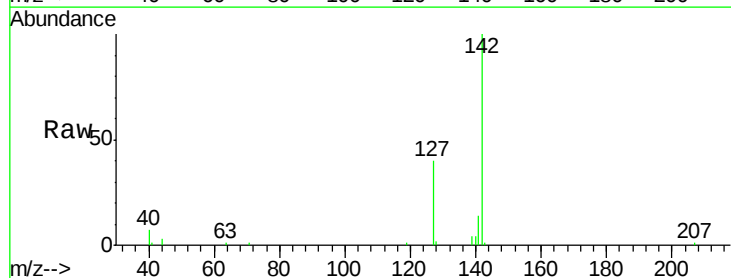
RT: 4.30 min Scan# 404

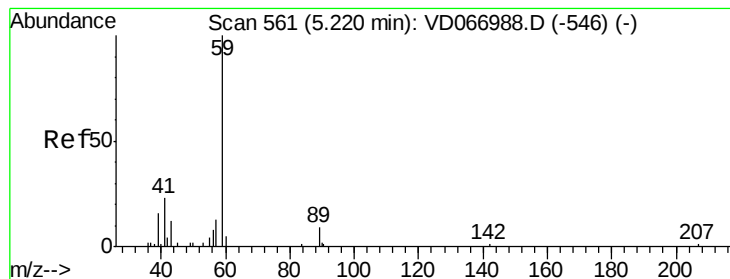
Delta R.T. -0.01 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Tgt Ion:	142	Resp:	89776
Ion Ratio	Lower	Upper	
142	100		
127	44.5	36.3	54.5
141	14.8	12.0	18.0





#11

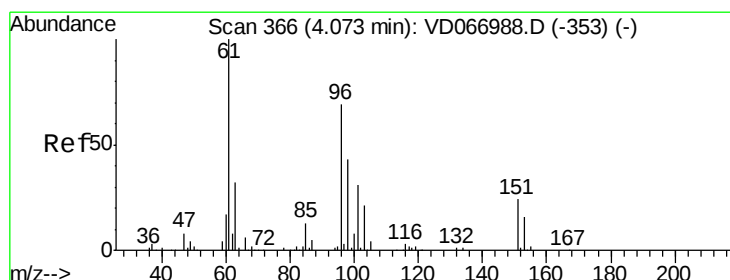
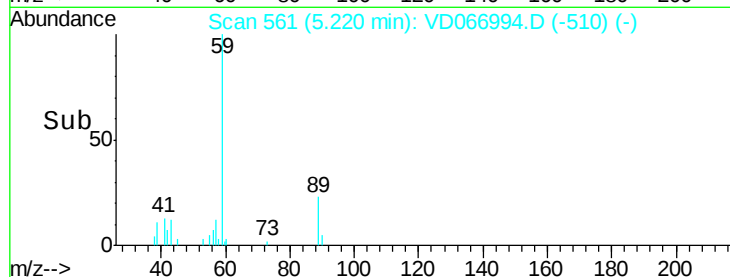
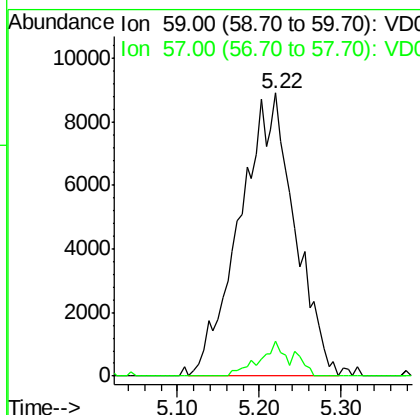
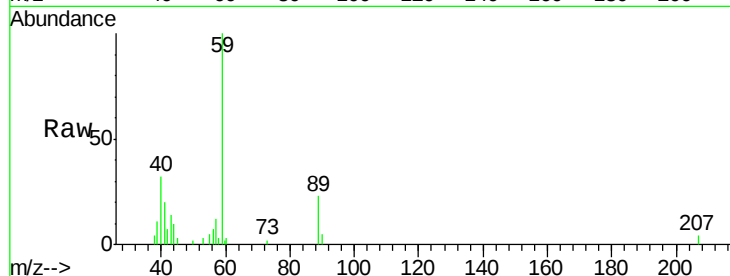
Tert butyl alcohol
 Concen: 129.741 ug/l m
 RT: 5.22 min Scan# 561
 Delta R.T. -0.00 min
 Lab File: VD066994.D
 Acq: 01 Oct 2020 15:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1001SBS01

Tot Ion: 59 Resp: 41449
 Ion Ratio Lower Upper
 59 100
 57 5.6 8.2 12.4#

Manual Integrations
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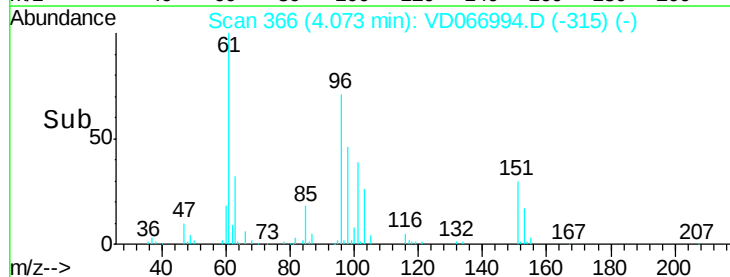
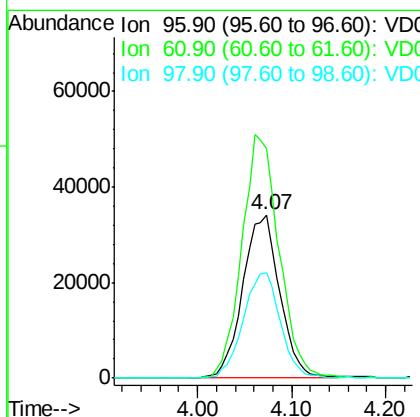
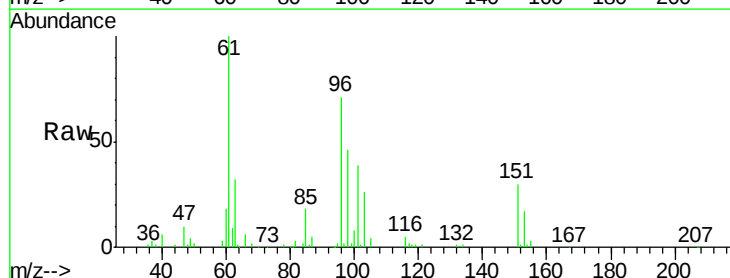
MMDadoda
 10/2/2020 3:13:32 PM

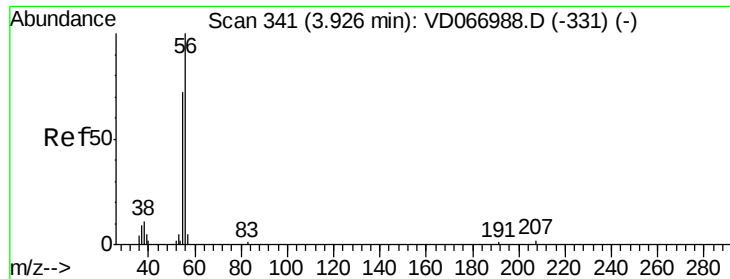


#12

1,1-Dichloroethene
 Concen: 20.607 ug/l
 RT: 4.07 min Scan# 366
 Delta R.T. -0.00 min
 Lab File: VD066994.D
 Acq: 01 Oct 2020 15:57

Tgt Ion: 96 Resp: 93159
 Ion Ratio Lower Upper
 96 100
 61 140.5 116.4 174.6
 98 64.8 49.9 74.9





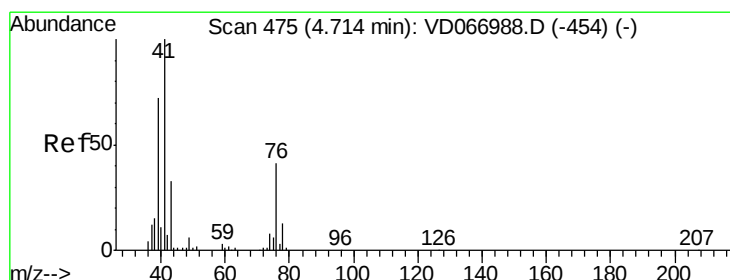
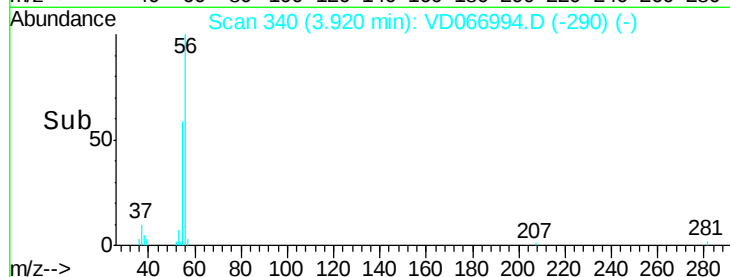
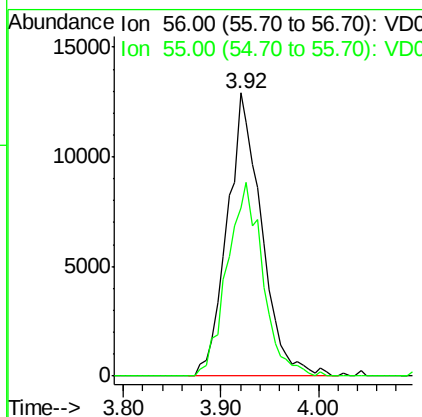
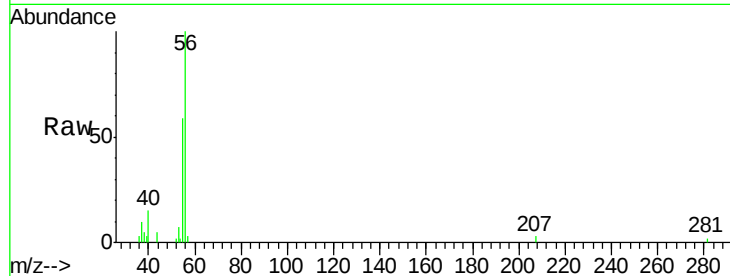
#13
Acrolein
Concen: 101.813 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBSD01

Tot Ion	56	Resp	31490
Ion Ratio	100	Lower	Upper
55	70.6	56.9	85.3

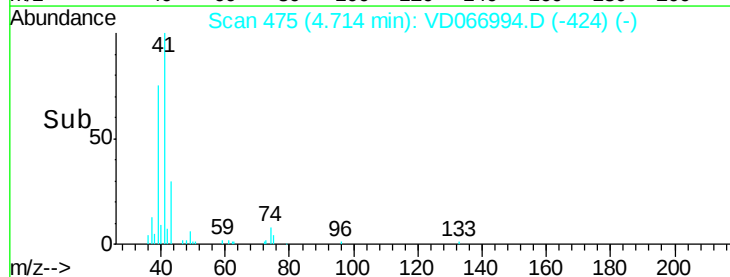
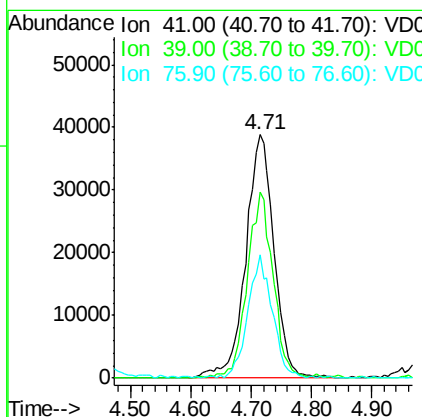
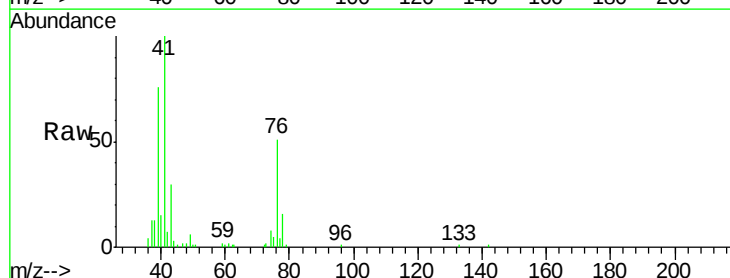
Manual Integrations
APPROVED

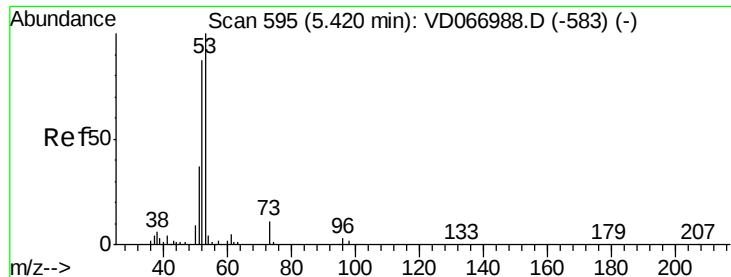
MMDadoda
10/2/2020 3:13:32 PM



#14
Allyl chloride
Concen: 21.426 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.00 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Tgt Ion	41	Resp	125832
Ion Ratio	100	Lower	Upper
39	69.9	56.2	84.2
76	43.4	34.2	51.2





#15

Acrylonitrile

Concen: 108.045 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Instrument :

MSVOA_D

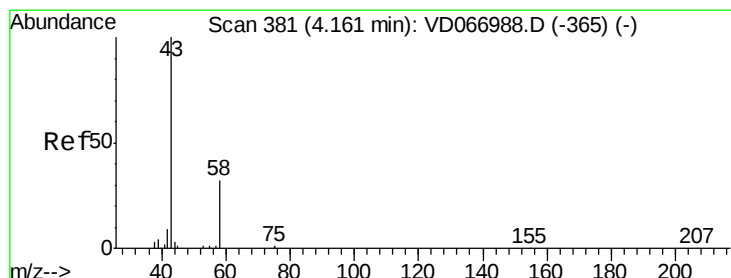
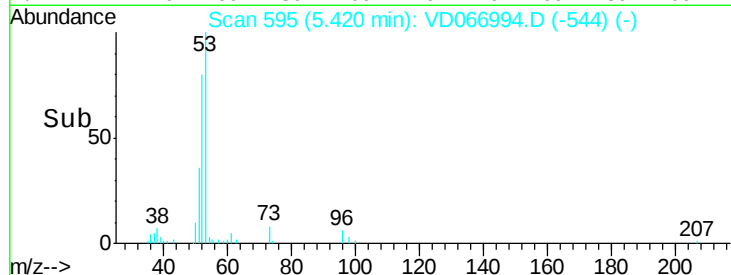
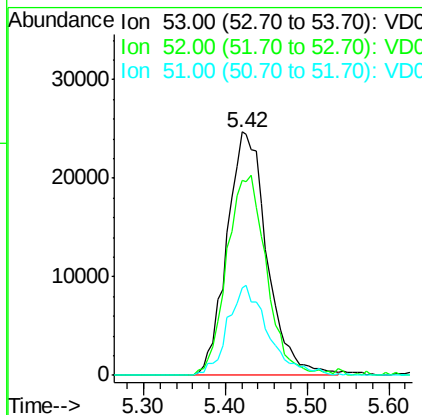
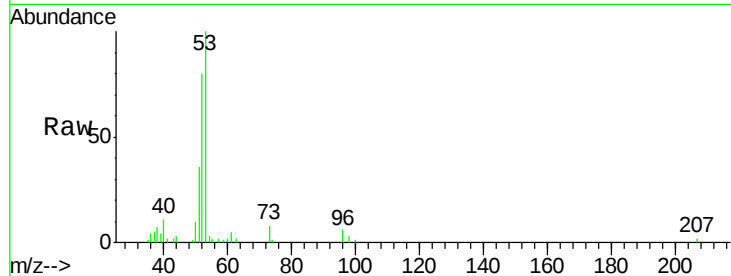
ClientSampleId :

VD1001SBS01

Tot Ion:	53	Resp:	83897
Ion Ratio	Lower	Upper	
53	100		
52	81.7	67.3	100.9
51	37.2	30.2	45.2

Manual Integrations
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#16

Acetone

Concen: 105.830 ug/l

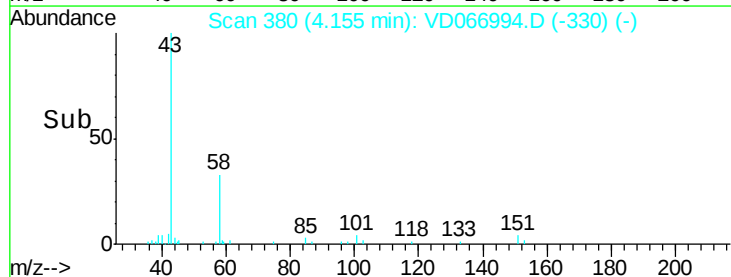
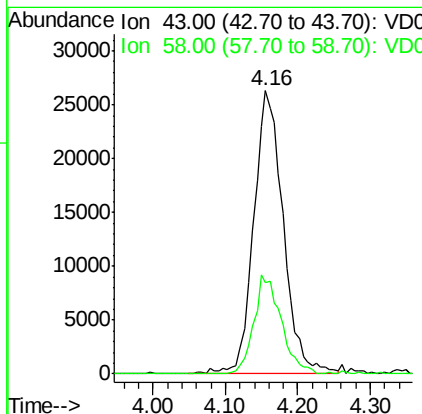
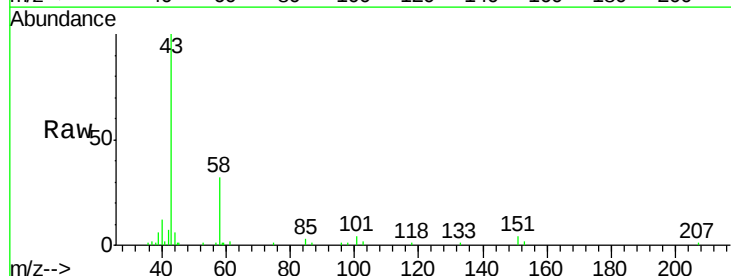
RT: 4.16 min Scan# 380

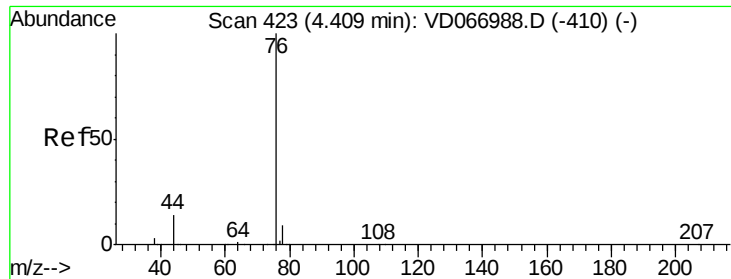
Delta R.T. -0.01 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Tgt Ion:	43	Resp:	74621
Ion Ratio	Lower	Upper	
43	100		
58	32.3	25.9	38.9





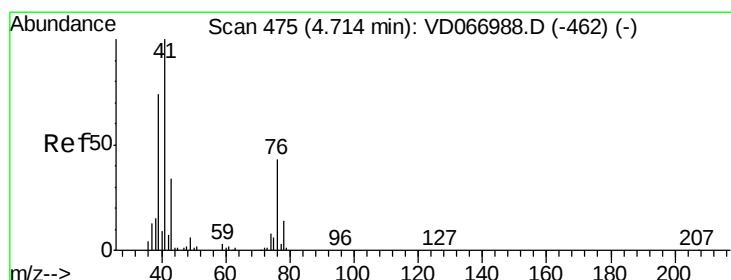
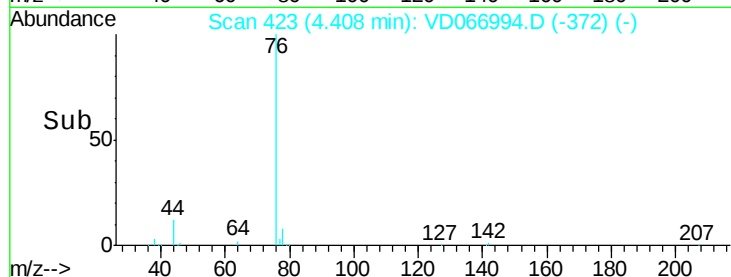
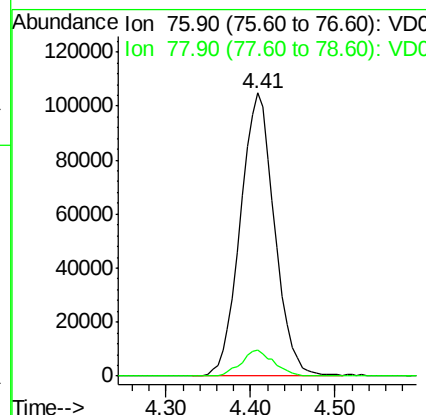
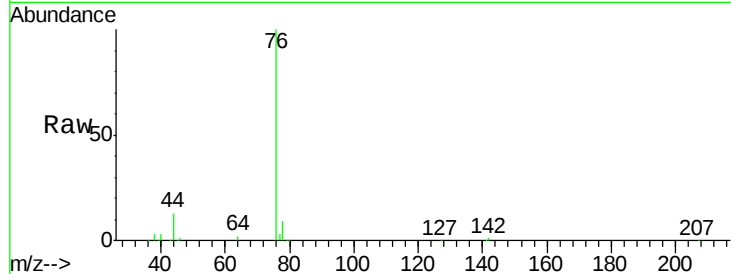
#17
Carbon Disulfide
Concen: 21.138 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.00 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
76	100	293260		
78	9.3		7.5	11.3

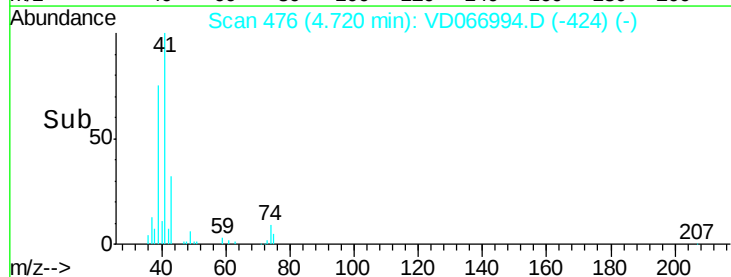
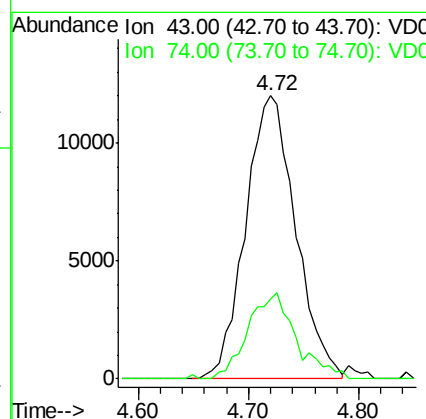
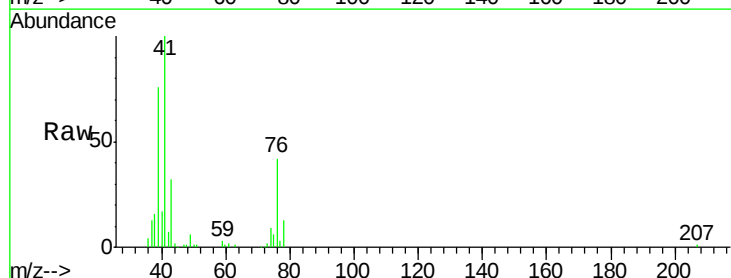
Manual Integrations
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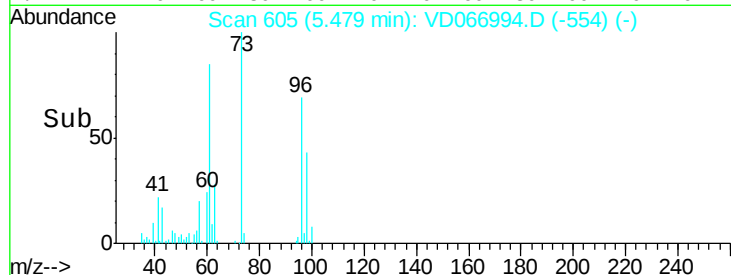
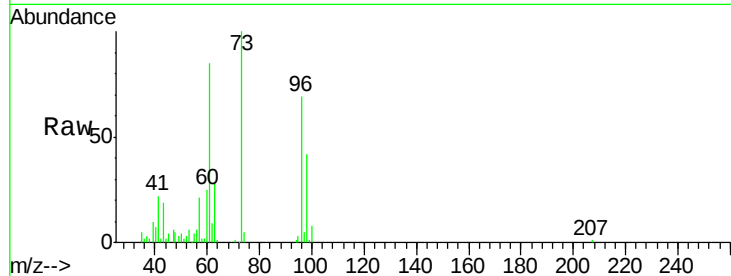
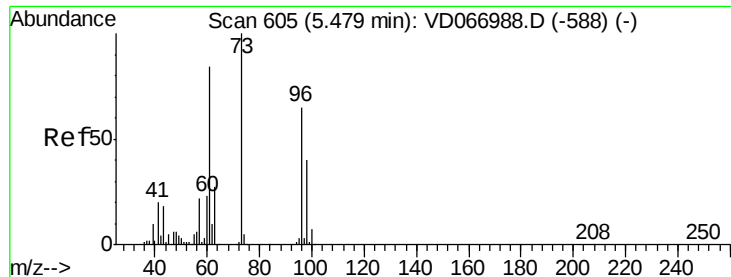
MMDadoda
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#18
Methyl Acetate
Concen: 21.511 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	38121		
74	29.3		21.5	32.3





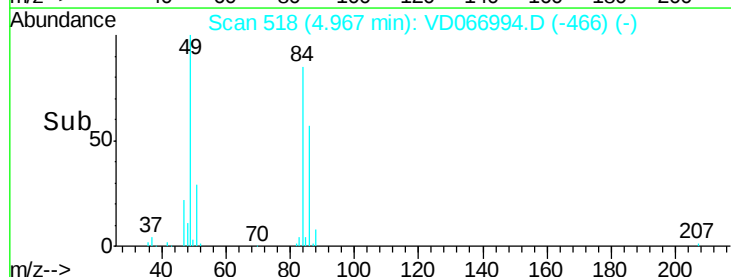
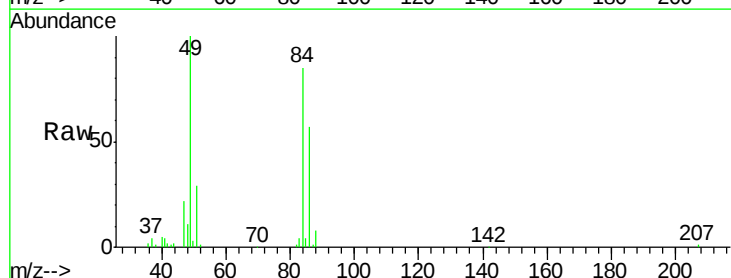
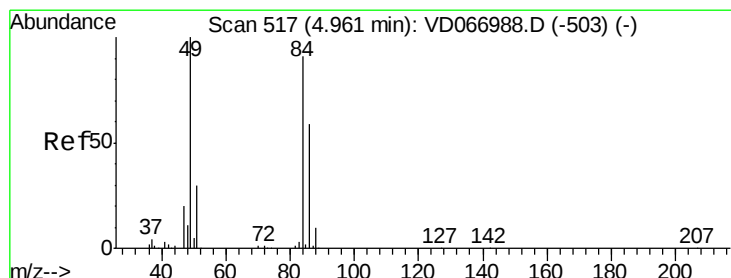
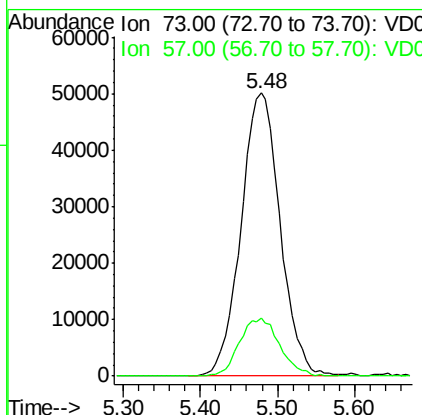
#19
Methyl tert-butyl Ether
Concen: 21.544 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Tot Ion: 73 Resp: 177795
Ion Ratio Lower Upper
73 100
57 20.7 17.4 26.0

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

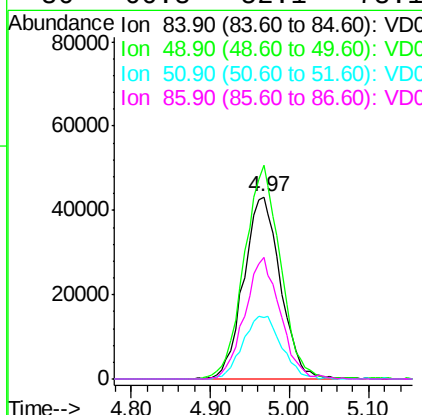
Manual Integrations
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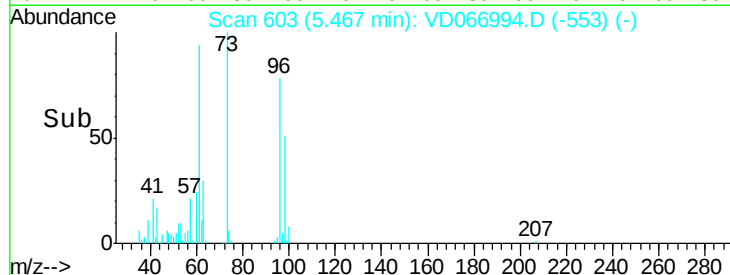
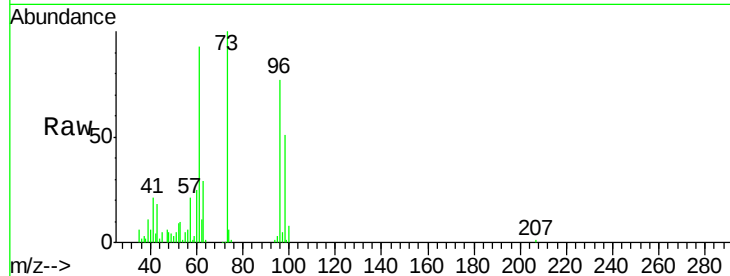
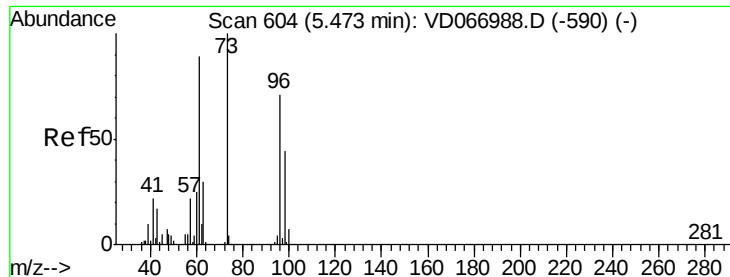
MMDadoda
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#20
Methylene Chloride
Concen: 24.103 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Tgt Ion: 84 Resp: 139455
Ion Ratio Lower Upper
84 100
49 117.5 88.2 132.2
51 33.9 26.6 39.8
86 66.8 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 21.166 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD066994.D

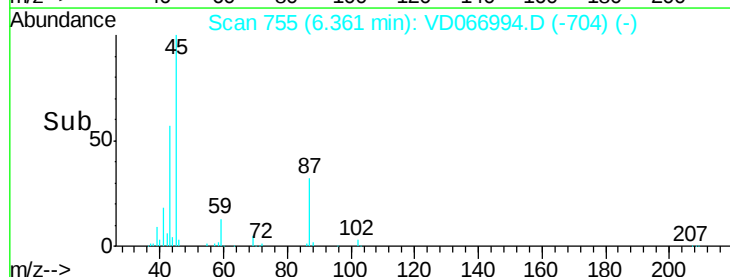
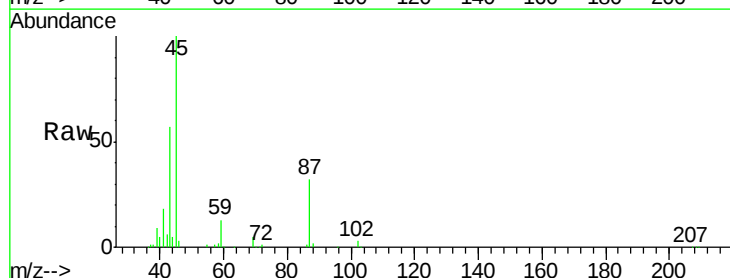
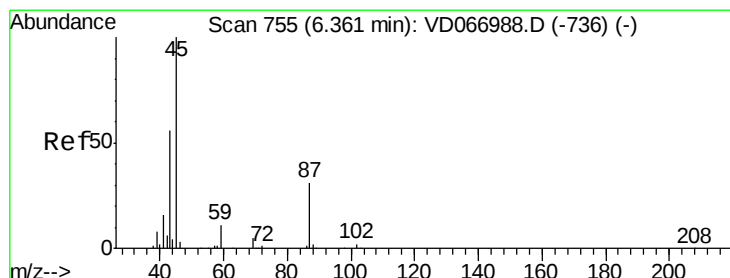
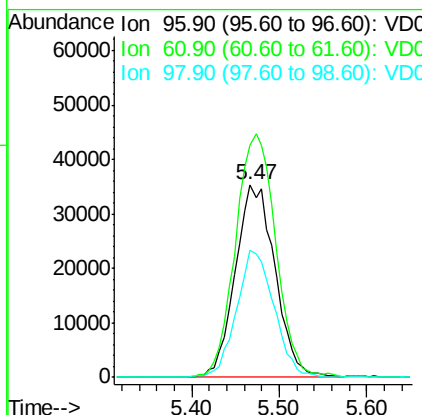
Acq: 01 Oct 2020 15:57

Tot Ion	Ratio	Resp	Lower	Upper
96	100	108895		
61	120.8		99.6	149.4
98	65.9		49.4	74.2

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

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#22

Diisopropyl ether

Concen: 22.617 ug/l

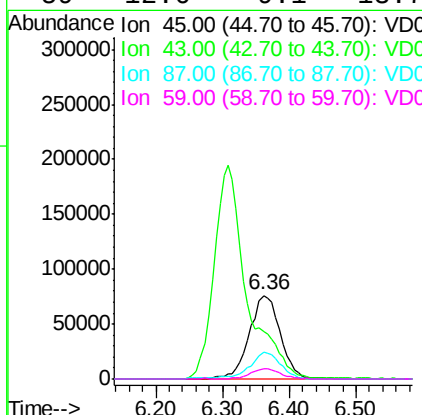
RT: 6.36 min Scan# 755

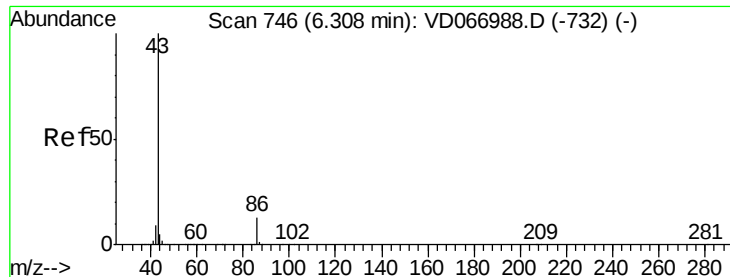
Delta R.T. -0.00 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
45	100	242494		
43	55.8		45.2	67.8
87	32.0		25.6	38.4
59	12.6		9.1	13.7





#23

Vinyl Acetate

Concen: 109.188 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS01

Tot Ion: 43 Resp: 663369

Ion Ratio Lower Upper

43 100

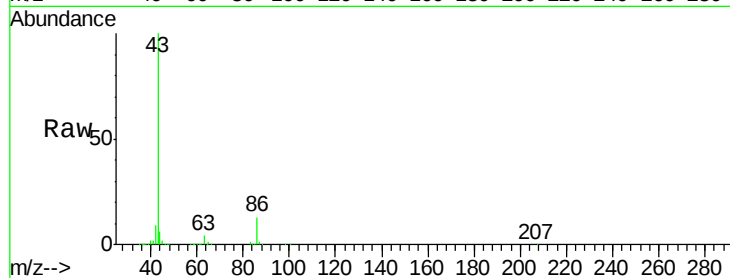
86 12.7 10.2 15.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

200000

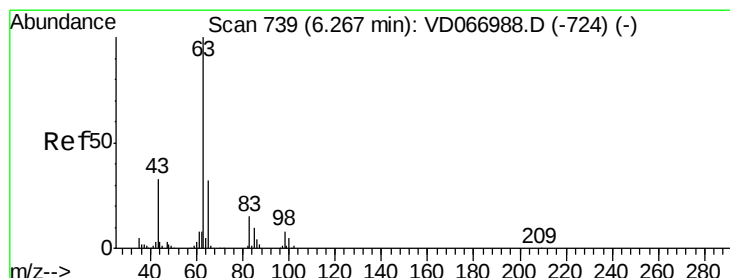
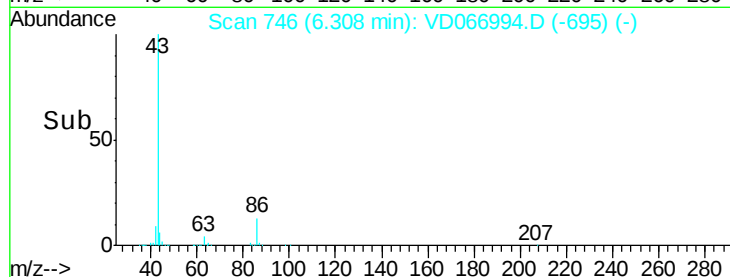
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.243 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

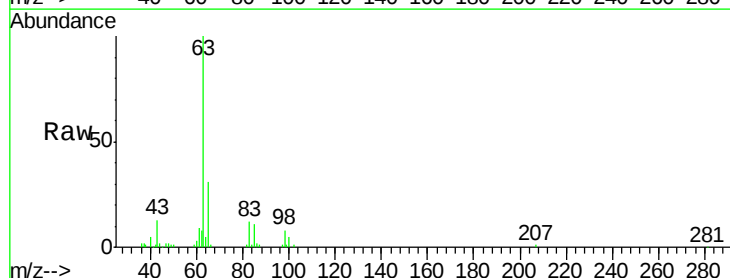
Tgt Ion: 63 Resp: 175768

Ion Ratio Lower Upper

63 100

98 8.2 4.2 12.6

100 5.3 2.6 7.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

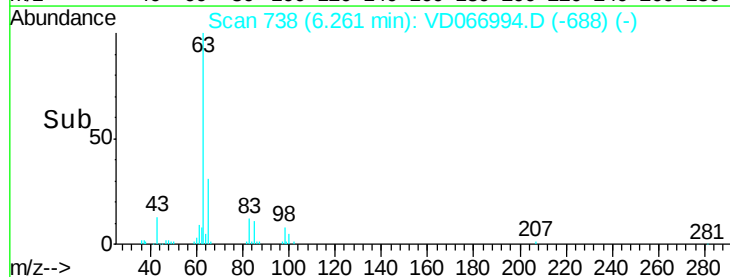
60000

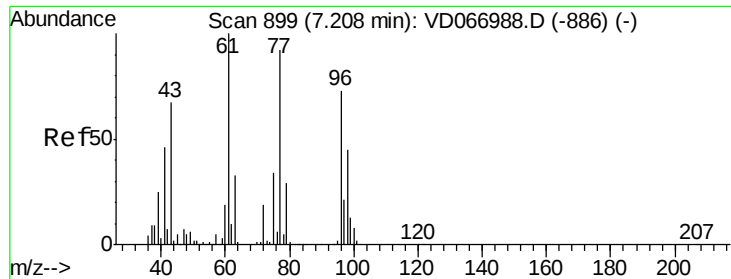
40000

20000

0

Time-->





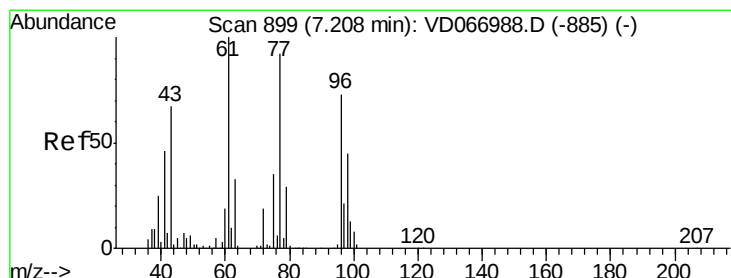
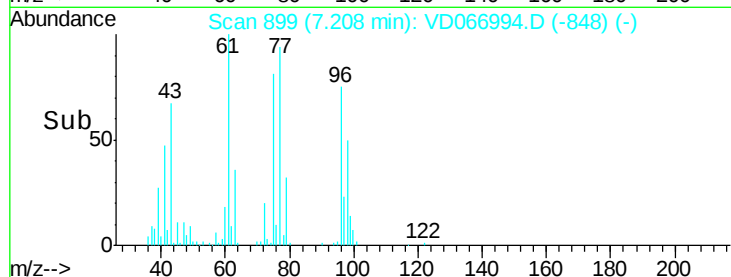
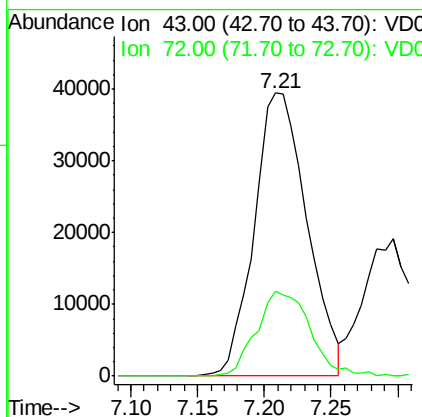
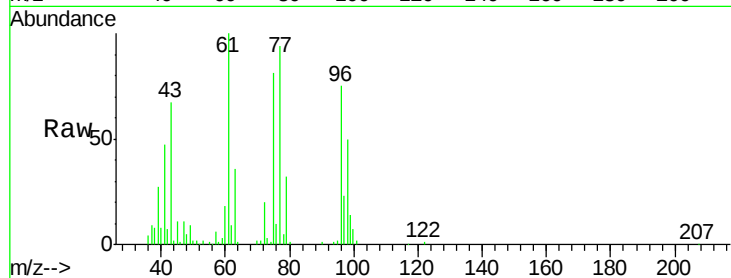
#25
2-Butanone
Concen: 108.024 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

Tot Ion: 43 Resp: 107989
Ion Ratio Lower Upper
43 100
72 30.1 22.8 34.2

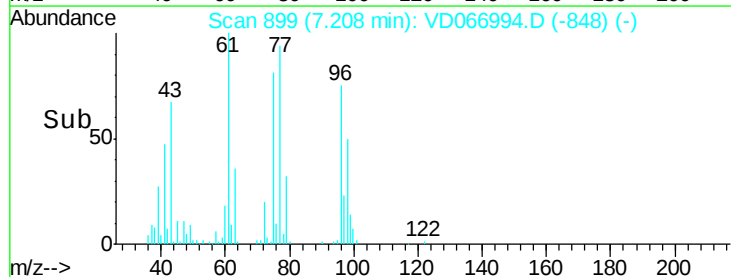
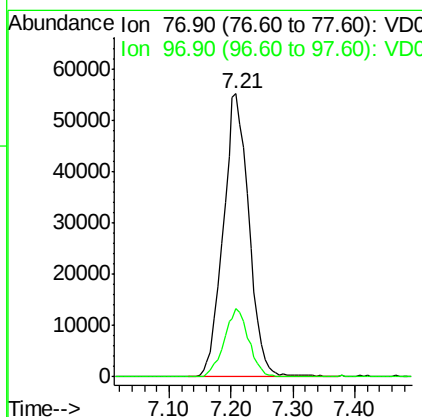
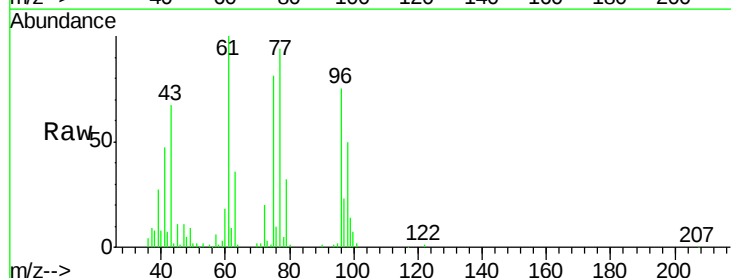
Manual Integrations
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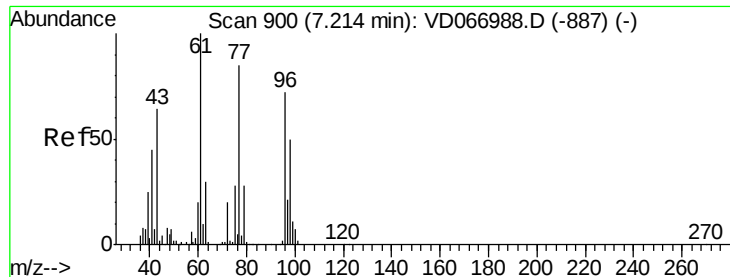
MMDadoda
10/2/2020 3:13:32 PM



#26
2,2-Dichloropropane
Concen: 20.120 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Tgt Ion: 77 Resp: 159799
Ion Ratio Lower Upper
77 100
97 22.9 11.4 34.2





#27

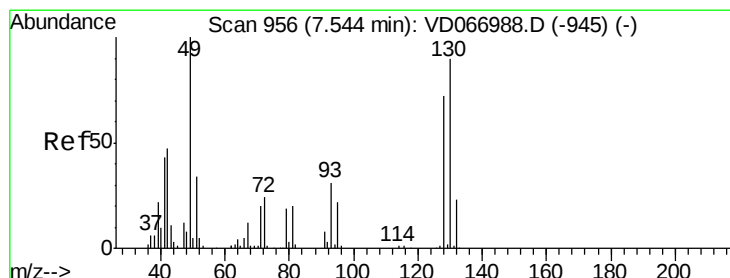
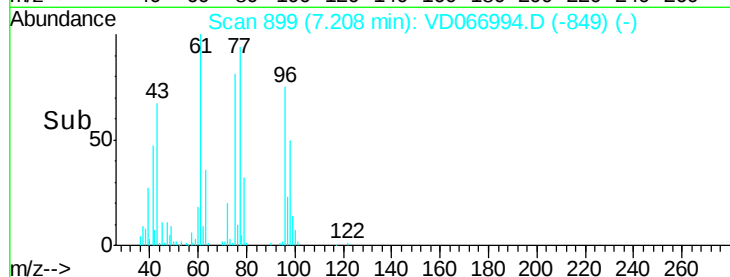
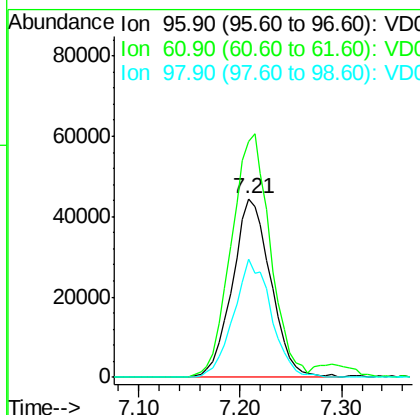
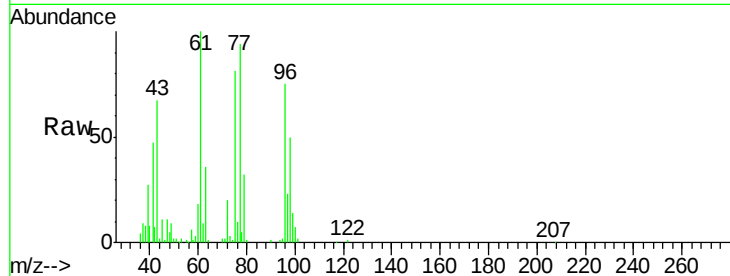
cis-1,2-Dichloroethene
Concen: 21.304 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	117053		
61	138.4	0.0	269.2	
98	64.8	0.0	129.4	

Manual Integrations
APPROVED

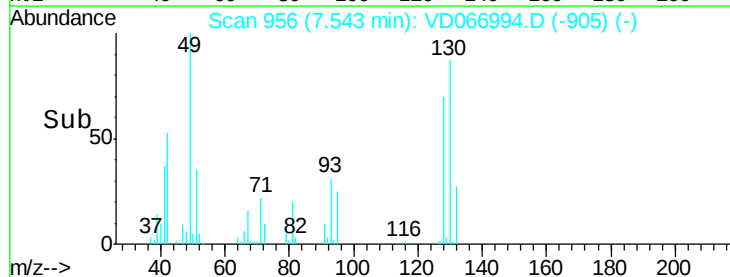
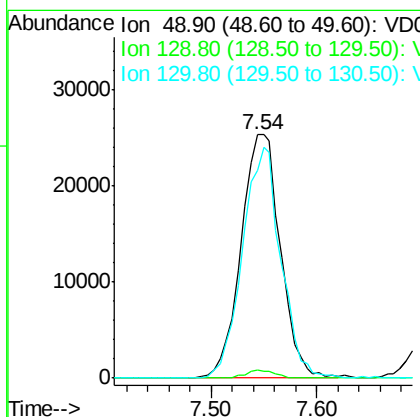
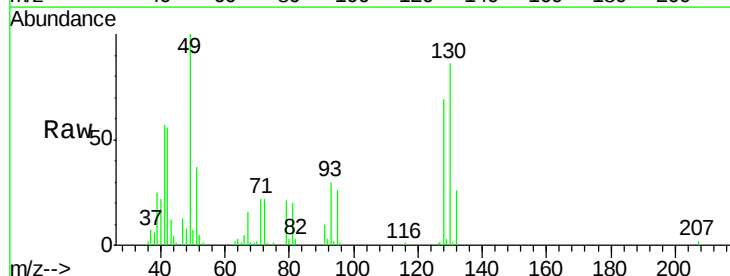
MMDadoda
10/2/2020 3:13:32 PM

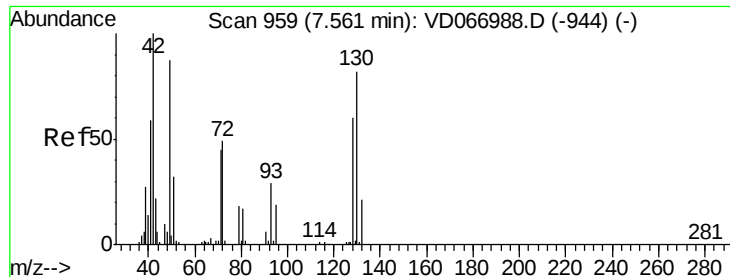


#28

Bromochloromethane
Concen: 20.510 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.00 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	65537		
129	2.3	0.0	4.6	
130	92.2	74.1	111.1	





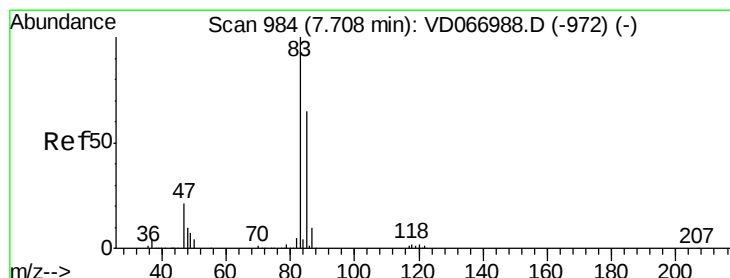
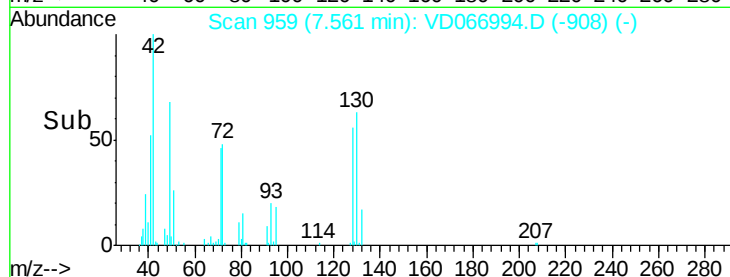
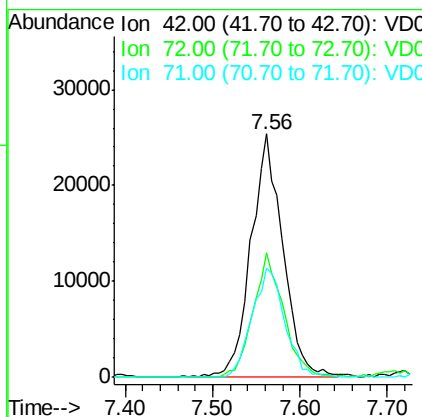
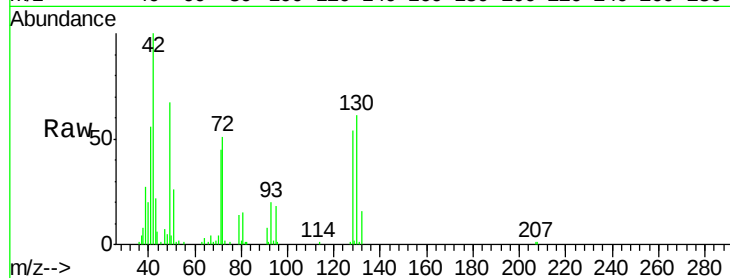
#29
Tetrahydrofuran
Concen: 109.752 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.00 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.0	39.1	58.7
71	46.0	34.2	51.4

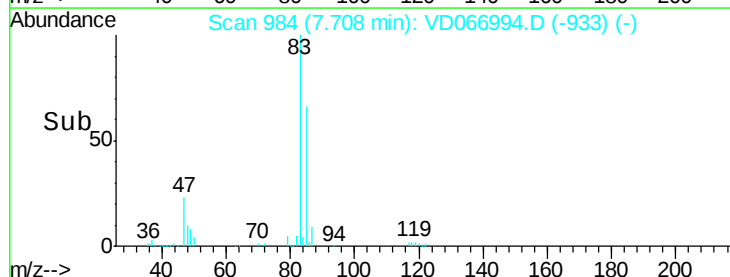
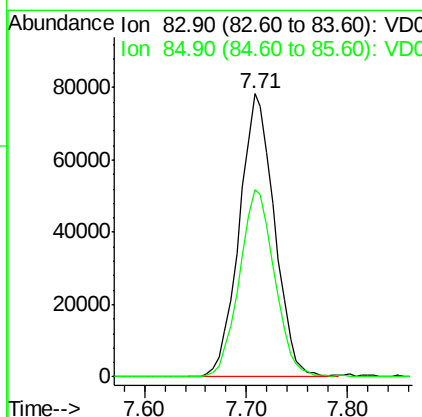
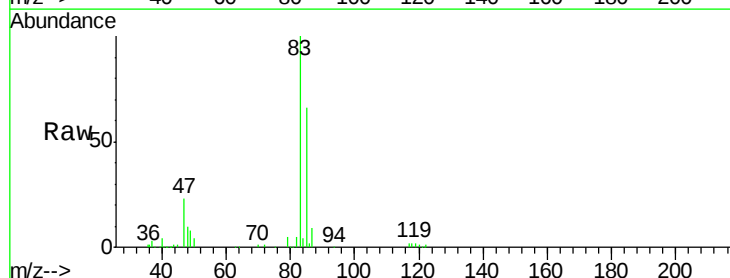
Manual Integrations
APPROVED

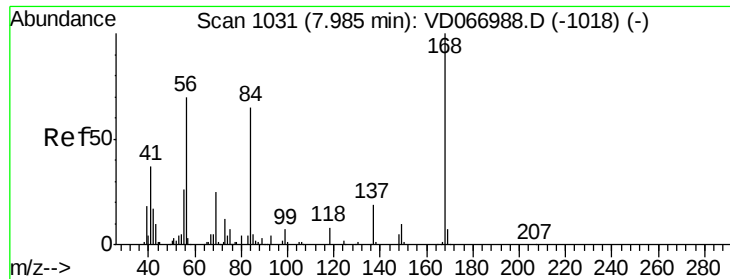
MMDadoda
10/2/2020 3:13:32 PM



#30
Chloroform
Concen: 20.942 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.00 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	52.3	78.5





#31

Cyclohexane

Concen: 20.864 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS01

Tot Ion: 56 Resp: 144729

Ion Ratio Lower Upper

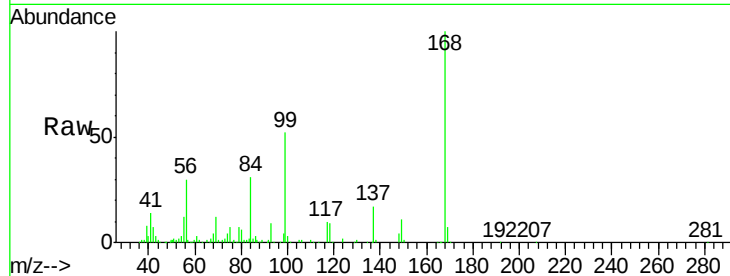
56 100

69 41.1 29.0 43.6

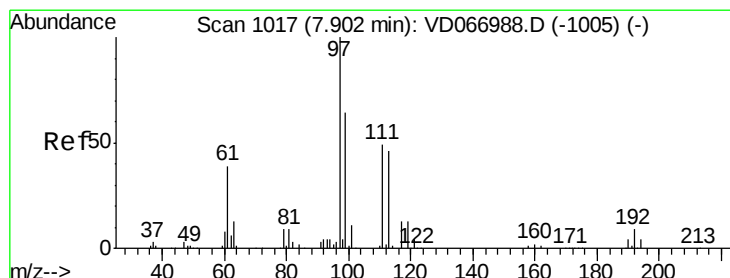
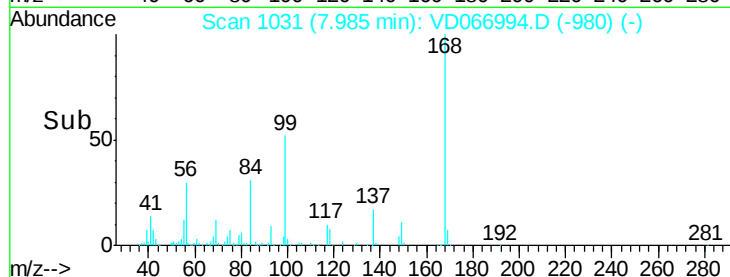
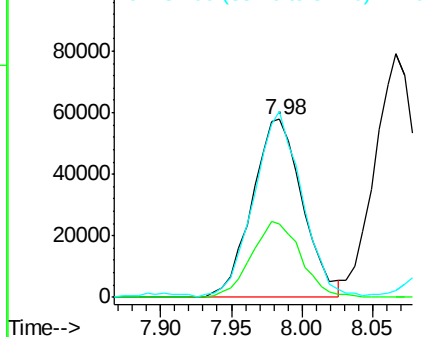
84 103.3 74.2 111.2

Manual Integrations
APPROVED

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Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 21.011 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

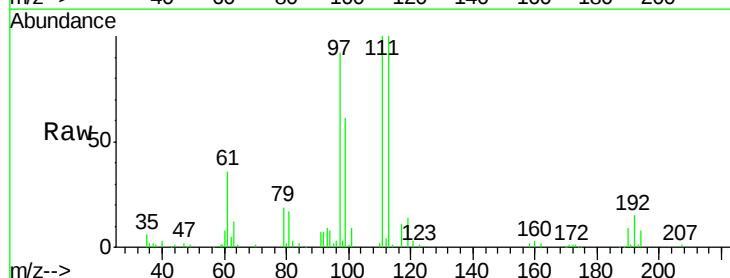
Tgt Ion: 97 Resp: 174781

Ion Ratio Lower Upper

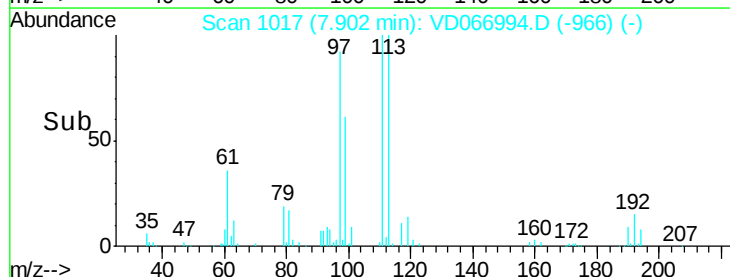
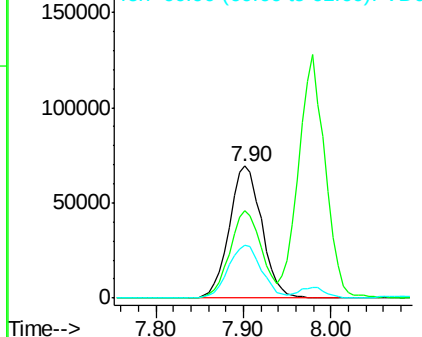
97 100

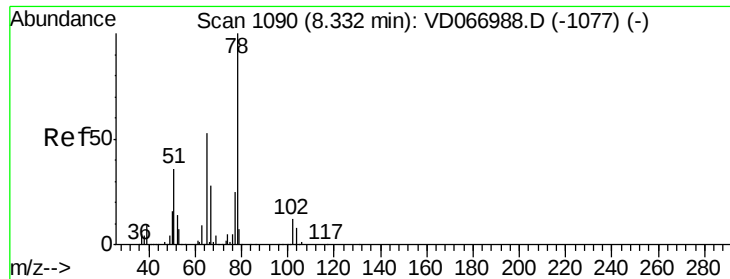
99 64.5 52.6 78.8

61 41.0 32.8 49.2



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





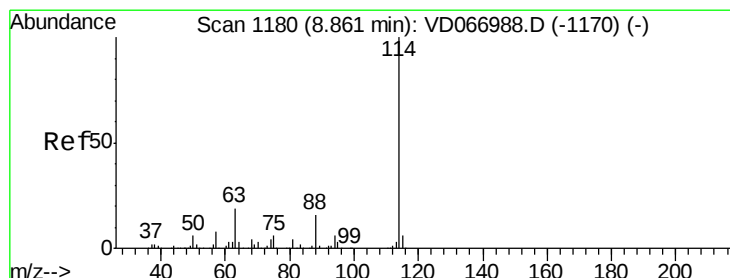
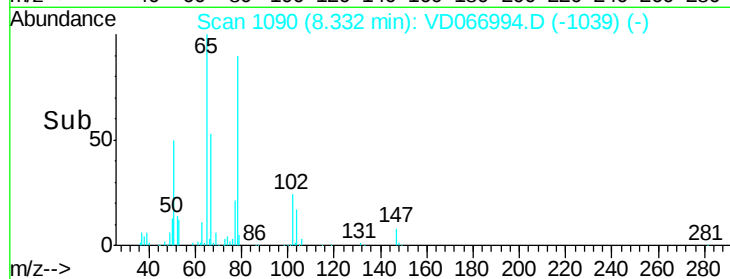
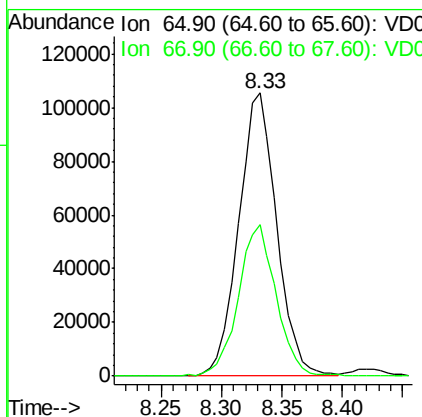
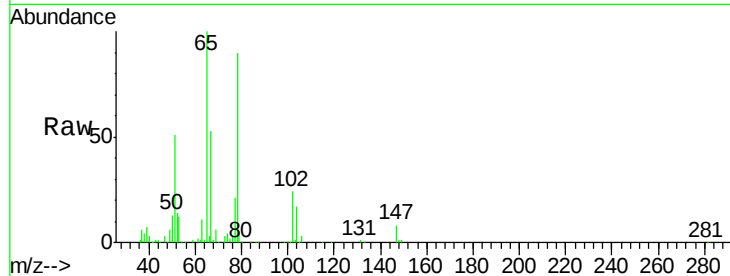
#33
 1,2-Dichloroethane-d4
 Concen: 49.972 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD066994.D
 Acq: 01 Oct 2020 15:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1001SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.2	0.0	106.8	

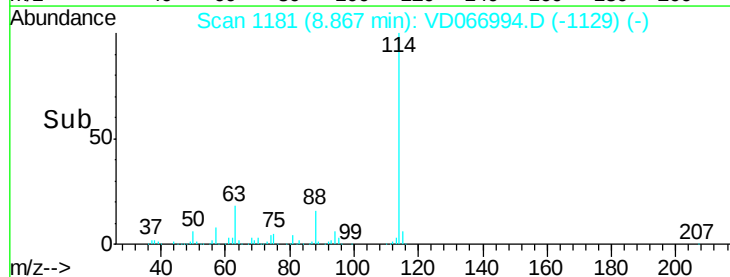
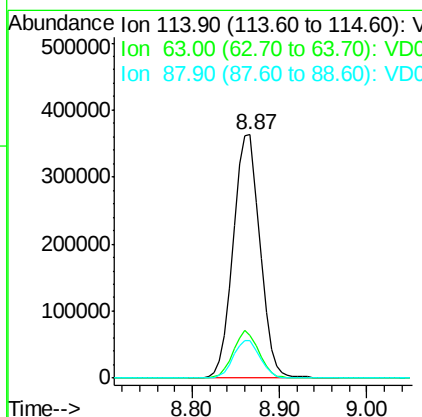
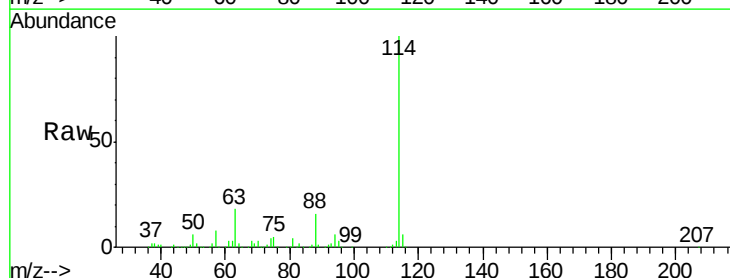
Manual Integrations
 APPROVED

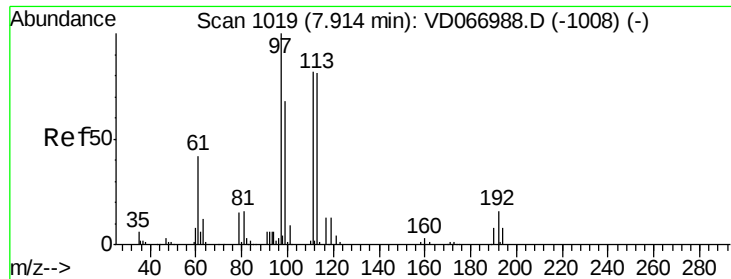
MMDadoda
 10/2/2020 3:13:32 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: VD066994.D
 Acq: 01 Oct 2020 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.8	0.0	38.4	
88	15.6	0.0	31.2	





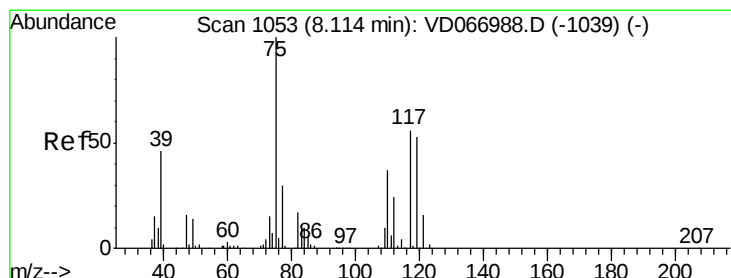
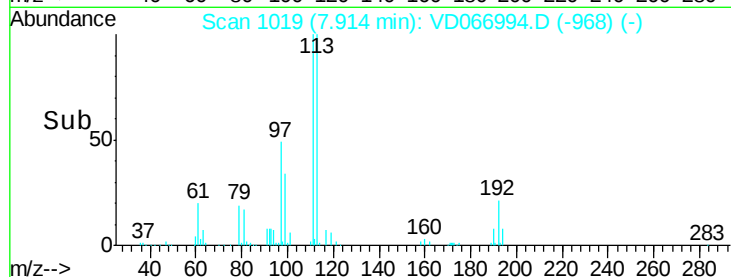
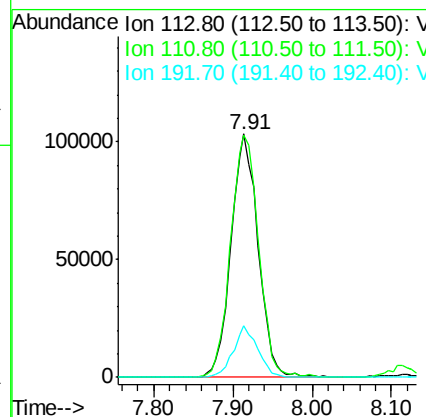
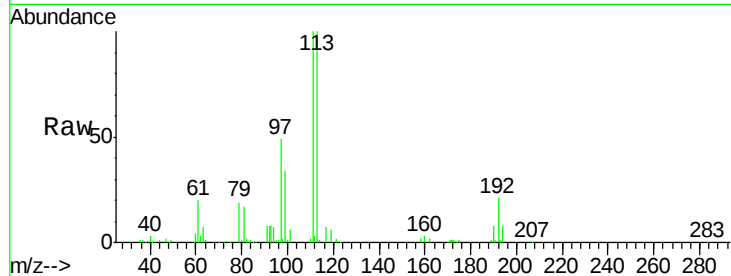
#35
Dibromofluoromethane
Concen: 49.550 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	83.0	124.4
192	19.3	15.5	23.3

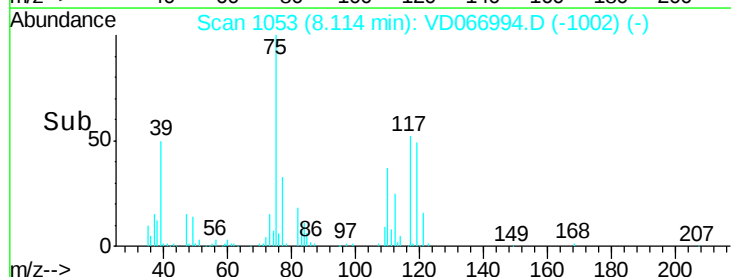
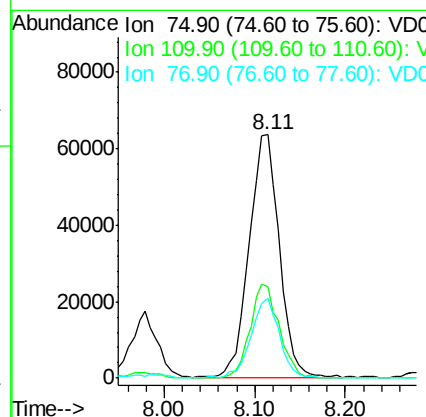
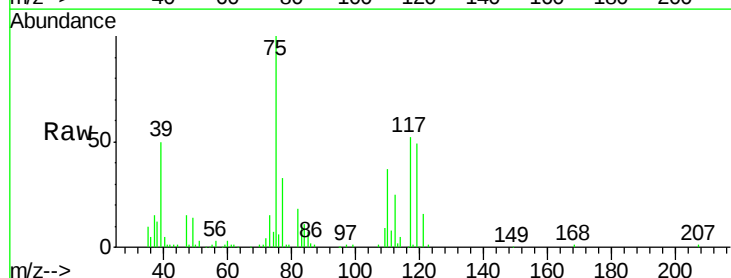
Manual Integrations
APPROVED

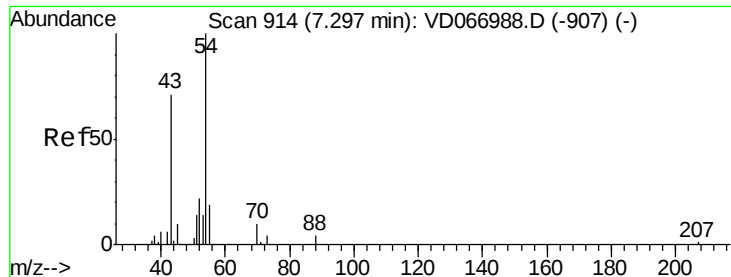
MMDadoda
10/2/2020 3:13:32 PM



#36
1,1-Dichloropropene
Concen: 21.108 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.0	18.4	55.0
77	30.8	24.8	37.2





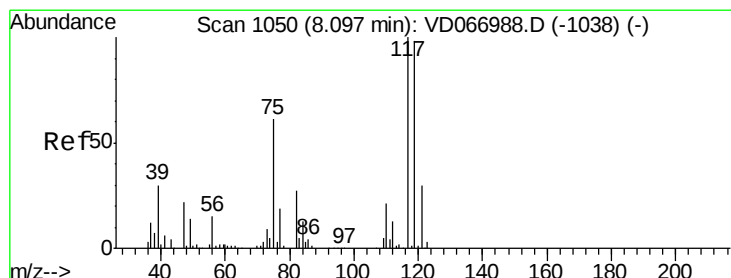
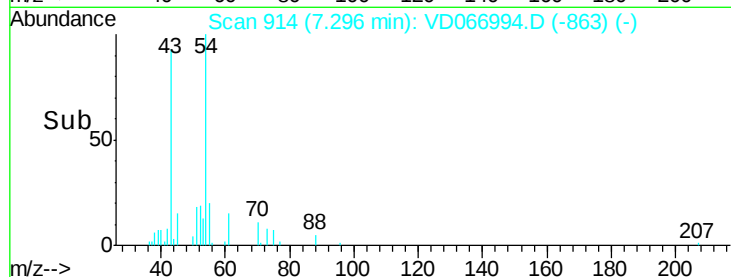
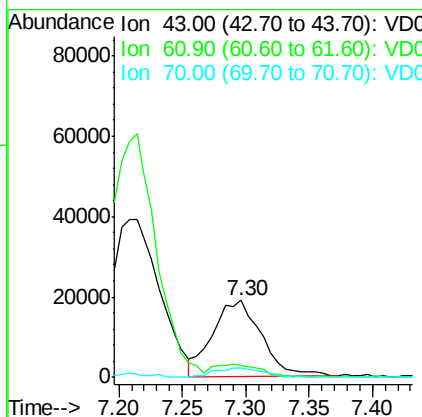
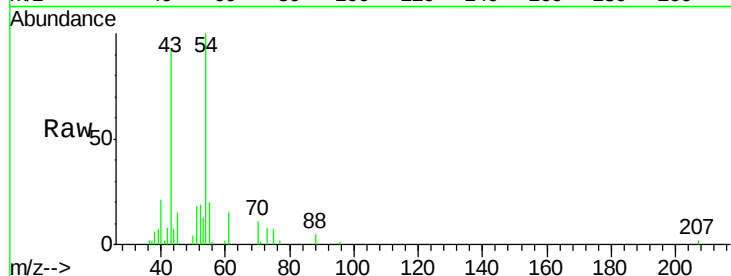
#37
Ethyl Acetate
Concen: 20.624 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.2	12.5	18.7
70	12.7	9.4	14.0

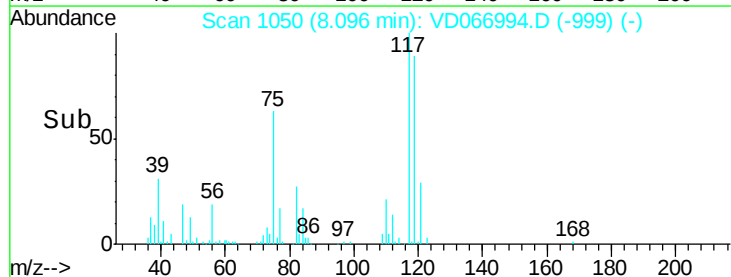
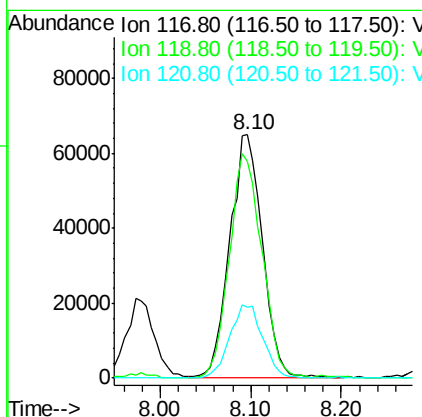
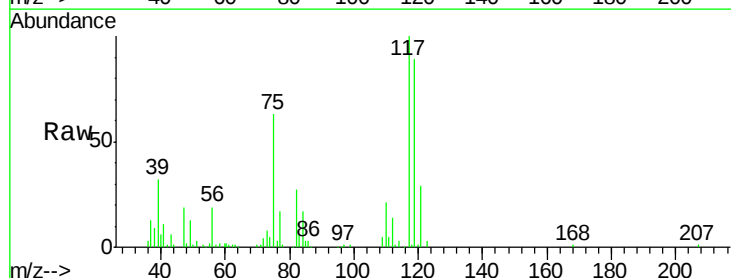
Manual Integrations
APPROVED

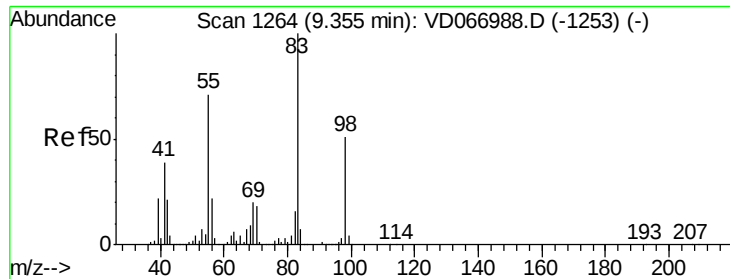
MMDadoda
10/2/2020 3:13:32 PM



#38
Carbon Tetrachloride
Concen: 21.259 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.4	78.7	118.1
121	29.4	24.2	36.2





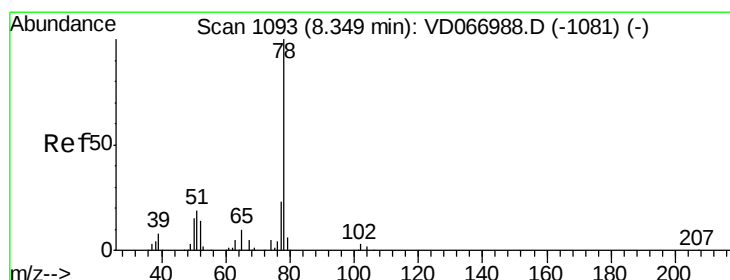
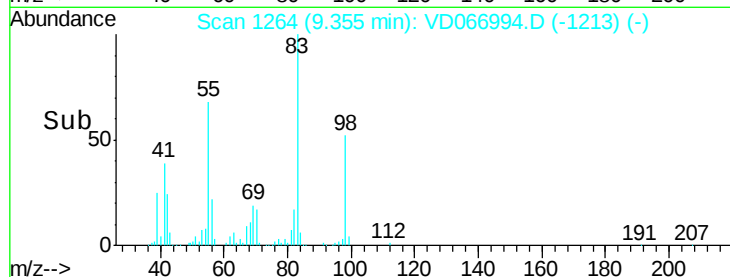
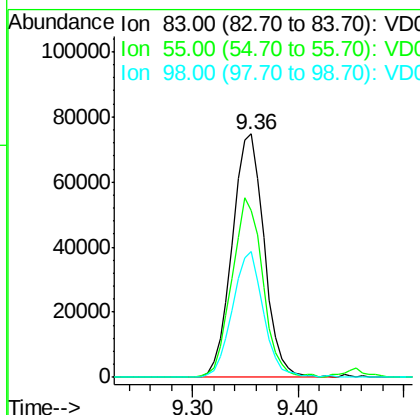
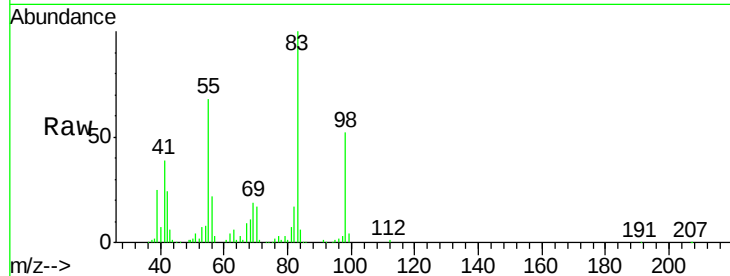
#39
Methvlcvclohexane
Concen: 21.062 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.4	57.1	85.7
98	51.9	40.9	61.3

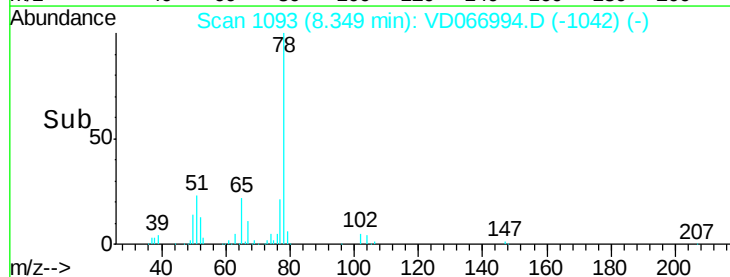
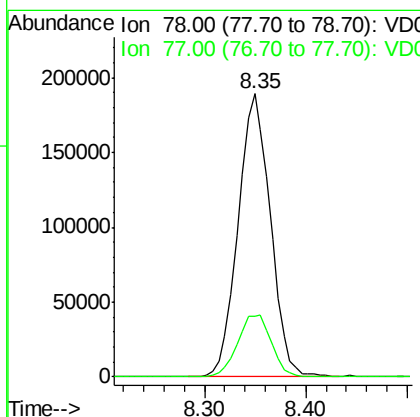
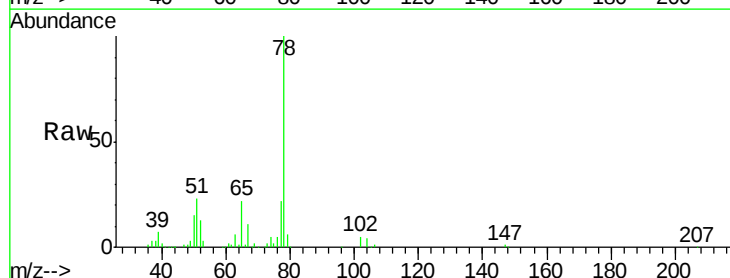
Manual Integrations
APPROVED

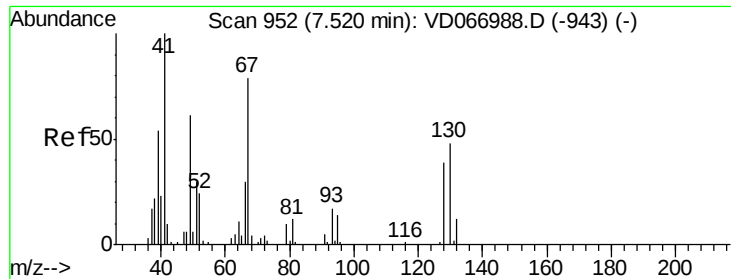
MMDadoda
10/2/2020 3:13:32 PM



#40
Benzene
Concen: 21.505 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.5	18.4	27.6





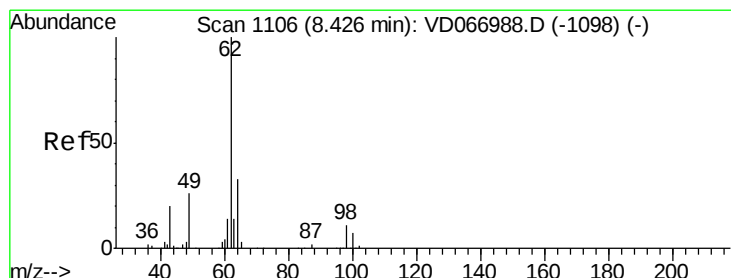
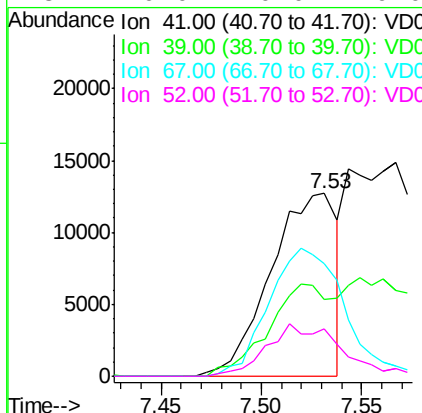
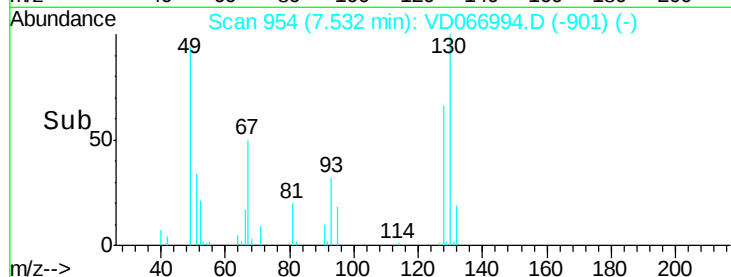
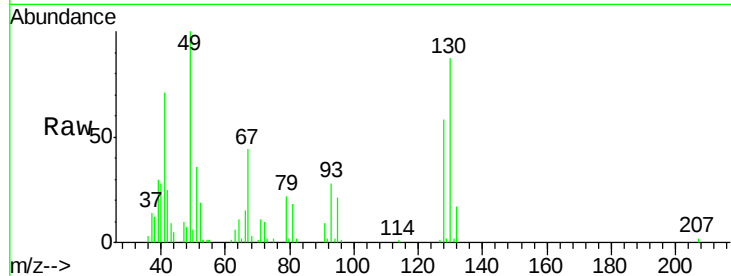
#41
Methacrylonitrile
Concen: 22.092 ug/l m
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.5	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

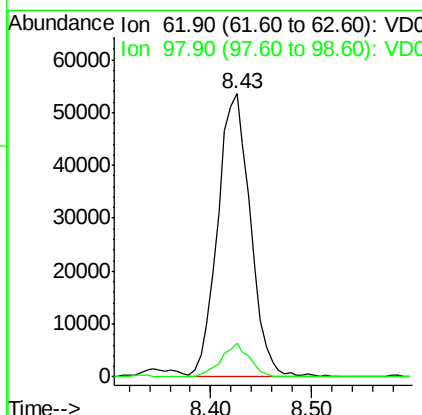
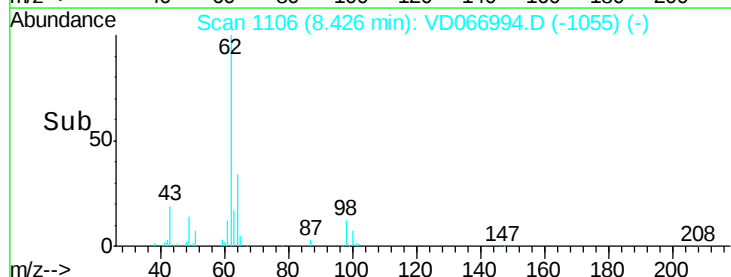
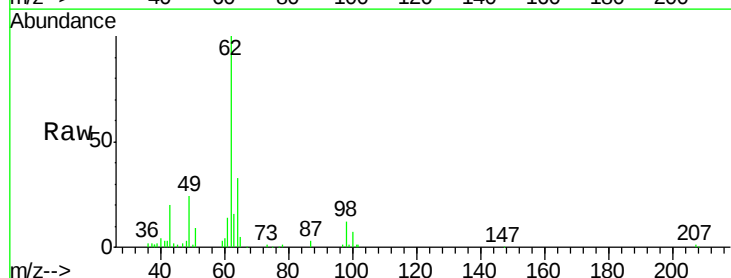
Manual Integrations
APPROVED

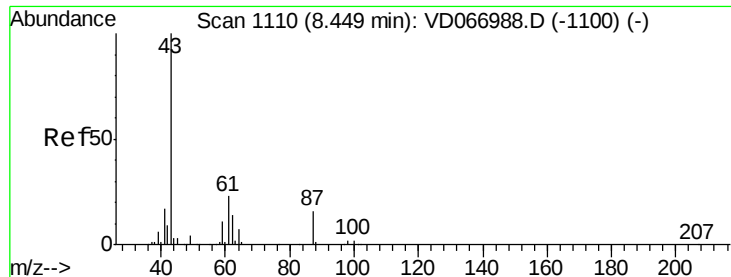
MMDadoda
10/2/2020 3:13:32 PM



#42
1,2-Dichloroethane
Concen: 21.986 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	22.6





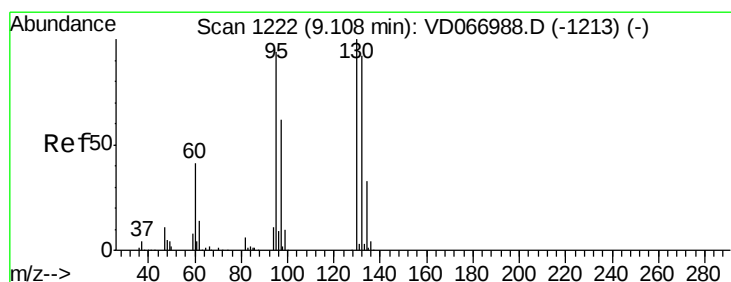
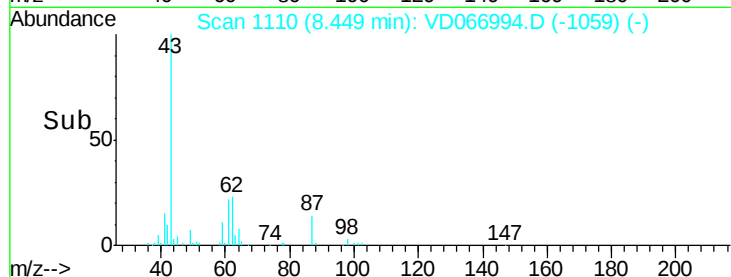
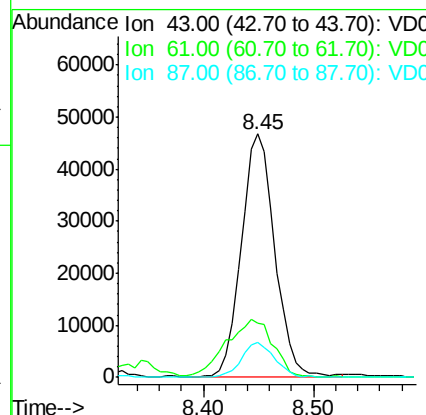
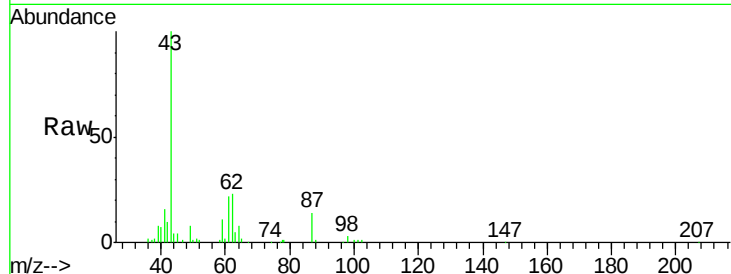
#43
Isopropyl Acetate
Concen: 22.311 ug/l
RT: 8.45 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	33.0	27.1	40.7
87	14.3	12.3	18.5

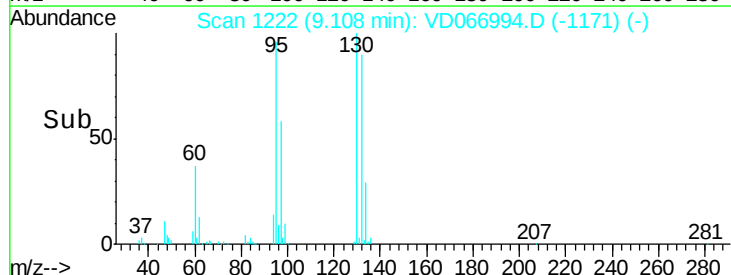
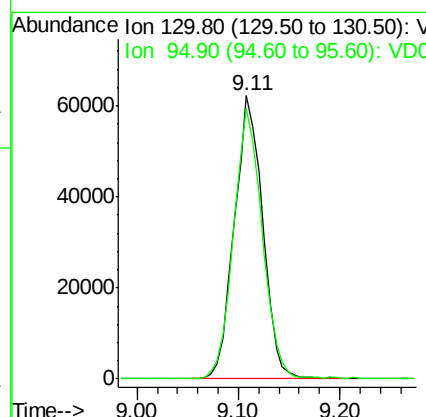
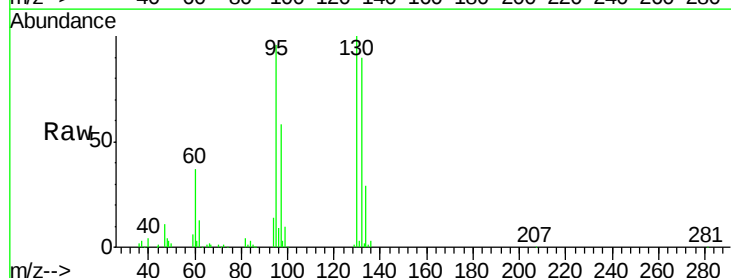
Manual Integrations
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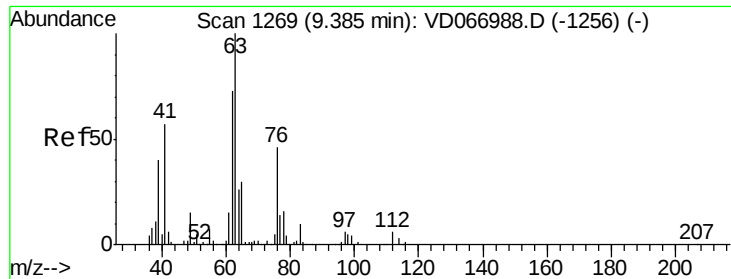
MMDadoda
10/2/2020 3:13:32 PM



#44
Trichloroethene
Concen: 20.759 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	187.8





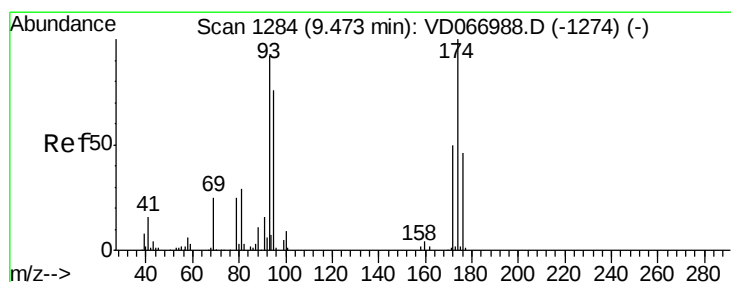
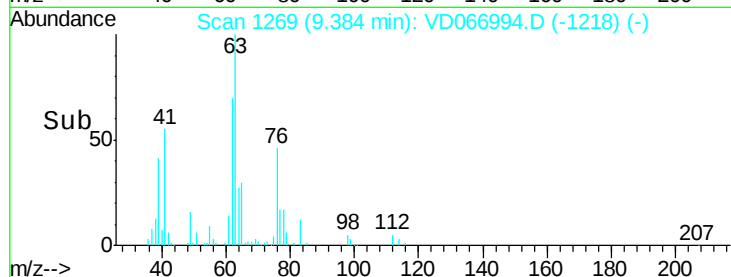
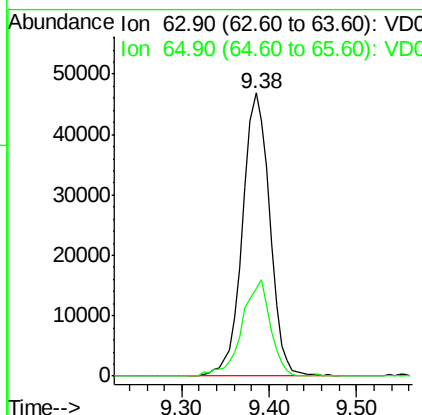
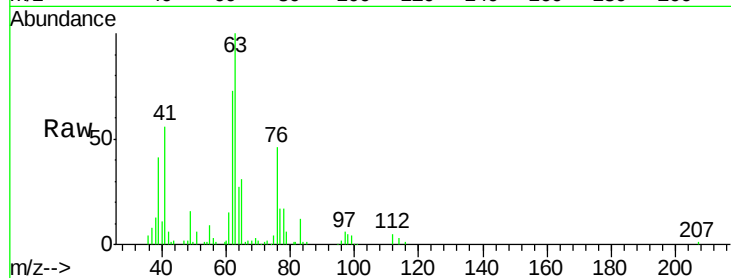
#45
 1,2-Dichloropropane
 Concen: 21.561 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VD066994.D
 Acq: 01 Oct 2020 15:57

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1001SBS01

Tot Ion	63	Resp	98807
Ion Ratio	Lower	Upper	
63	100		
65	31.1	23.7	35.5

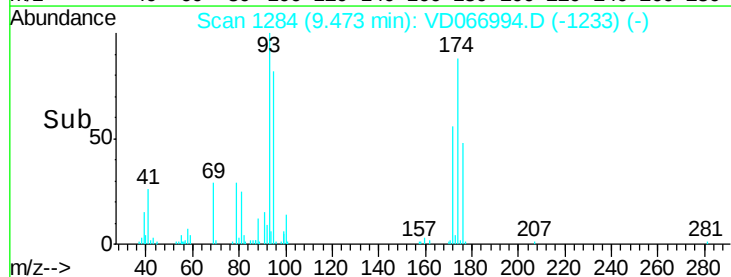
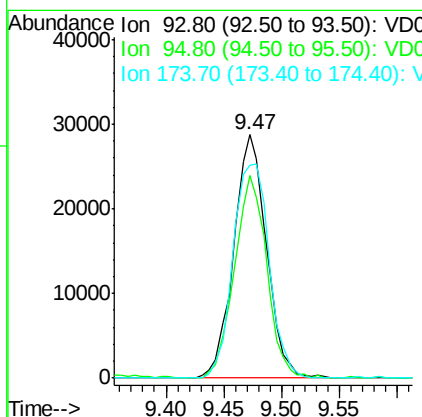
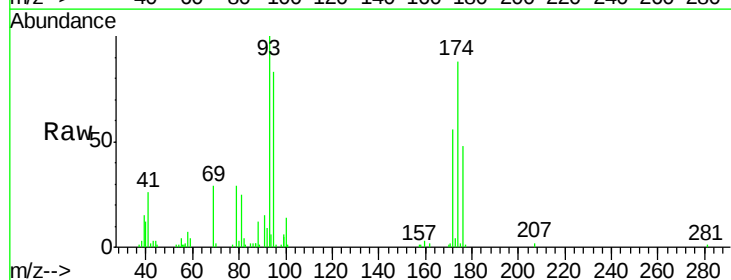
Manual Integrations
 APPROVED

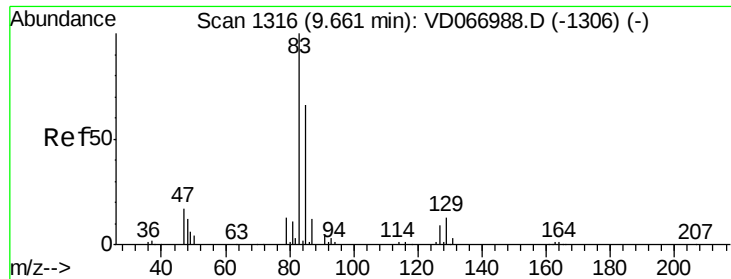
MMDadoda
 10/2/2020 3:13:32 PM



#46
 Dibromomethane
 Concen: 21.514 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.00 min
 Lab File: VD066994.D
 Acq: 01 Oct 2020 15:57

Tgt Ion	93	Resp	56667
Ion Ratio	Lower	Upper	
93	100		
95	81.9	64.7	97.1
174	97.0	81.4	122.2





#47

Bromodichloromethane

Concen: 21.173 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Instrument :

MSVOA_D

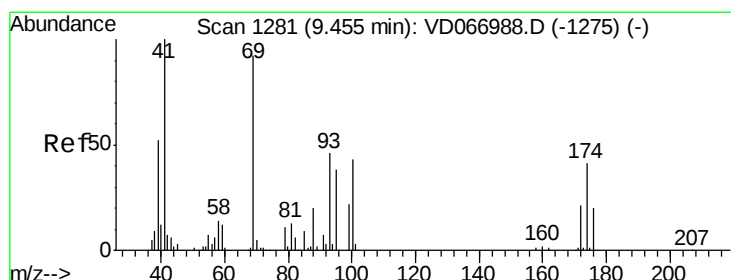
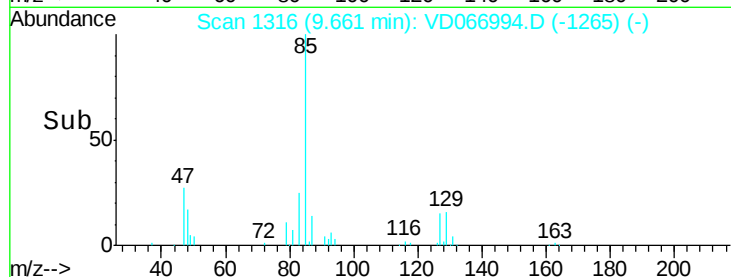
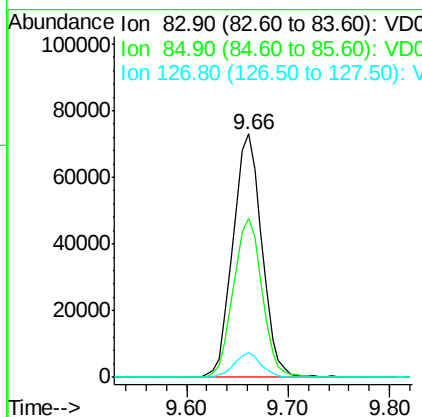
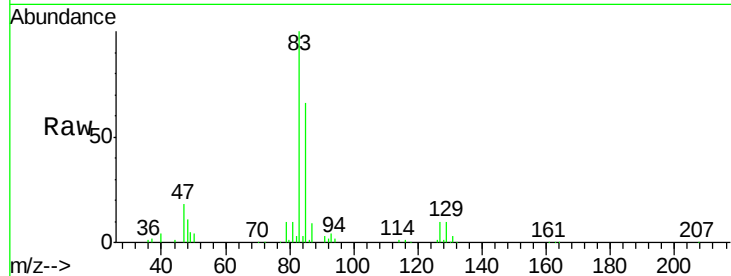
ClientSampleId :

VD1001SBS01

Tot Ion:	83	Resp:	144964
Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.9	79.3
127	10.0	7.3	10.9

Manual Integrations
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MMDadoda
10/2/2020 3:13:32 PM



#48

Methyl methacrylate

Concen: 19.635 ug/l

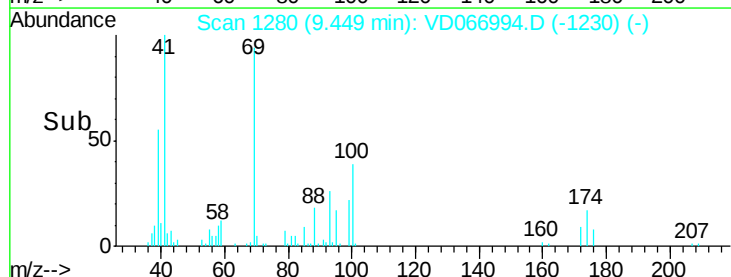
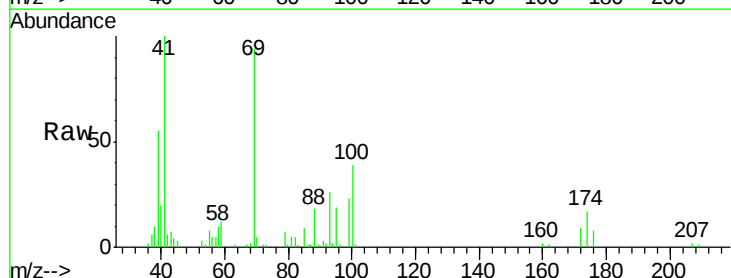
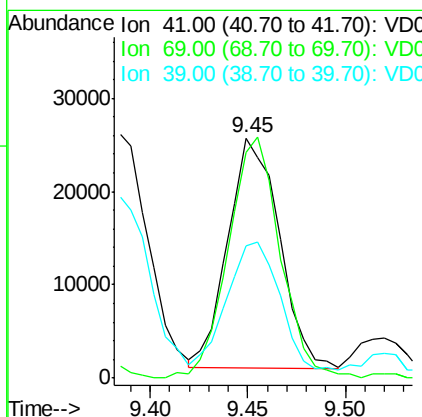
RT: 9.45 min Scan# 1280

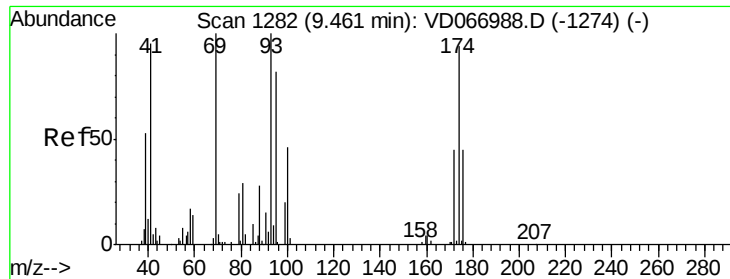
Delta R.T. -0.01 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Tgt Ion:	41	Resp:	45080
Ion	Ratio	Lower	Upper
41	100		
69	105.7	68.5	102.7#
39	57.2	40.2	60.2





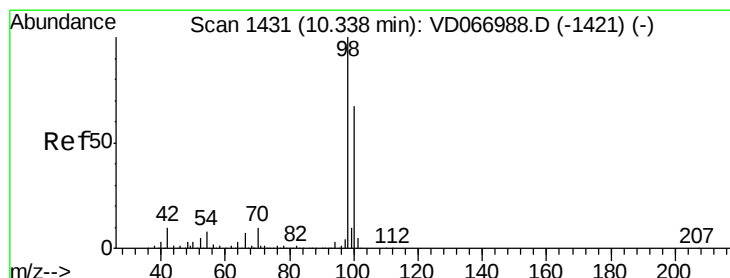
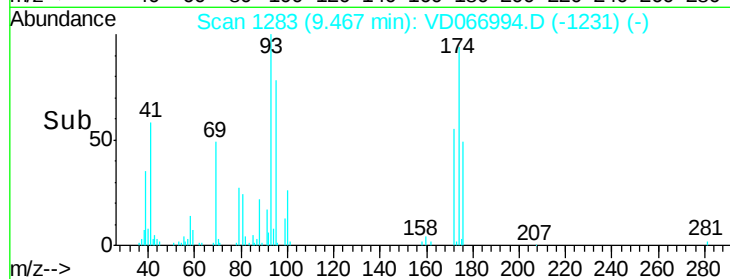
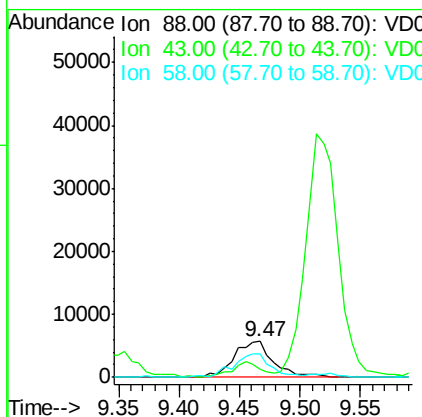
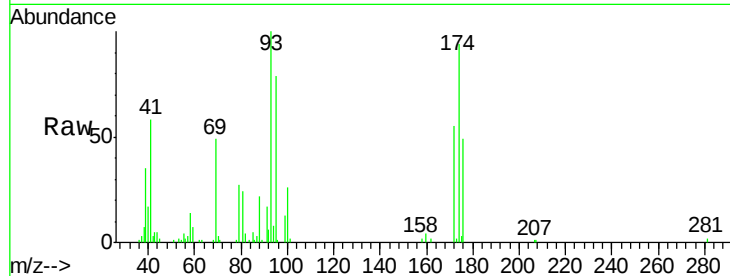
#49
1,4-Dioxane
Concen: 467.408 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

Tot Ion	88	Resp	12849
Ion	Ratio	Lower	Upper
88	100		
43	33.3	25.6	38.4
58	63.0	53.5	80.3

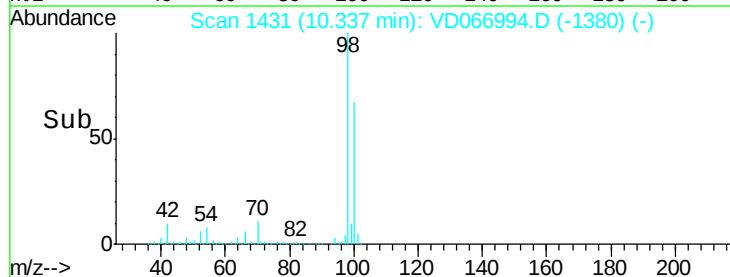
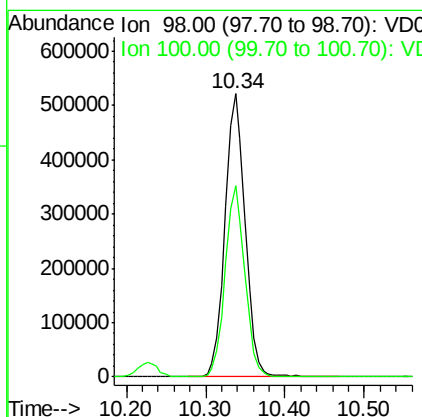
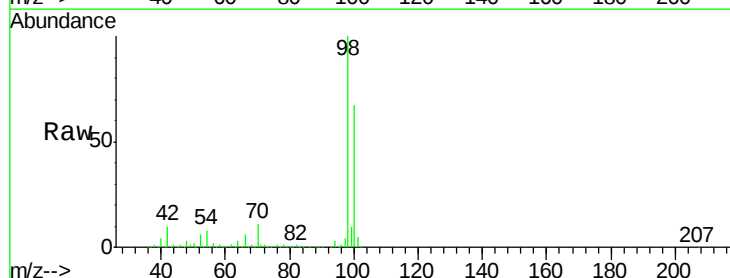
Manual Integrations
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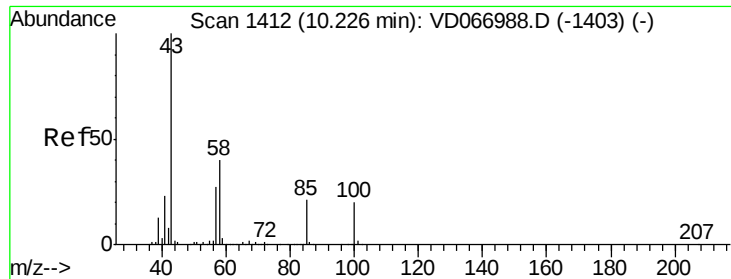
MMDadoda
10/2/2020 3:13:32 PM



#50
Toluene-d8
Concen: 51.089 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Tgt Ion	98	Resp	918166
Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 109.547 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS01

Tot Ion: 43 Resp: 244531

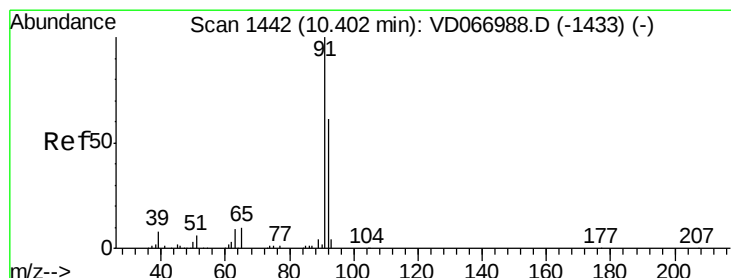
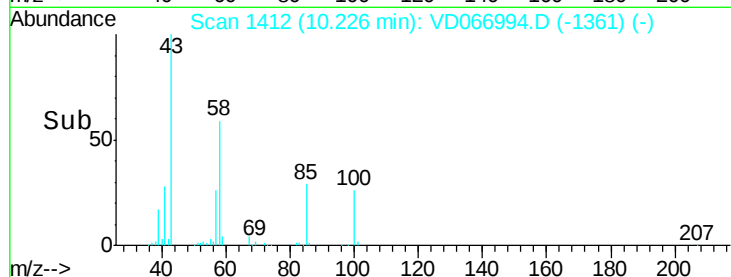
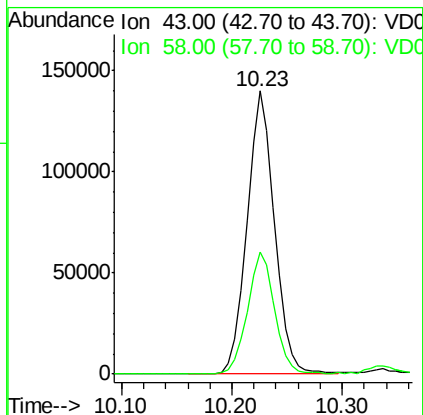
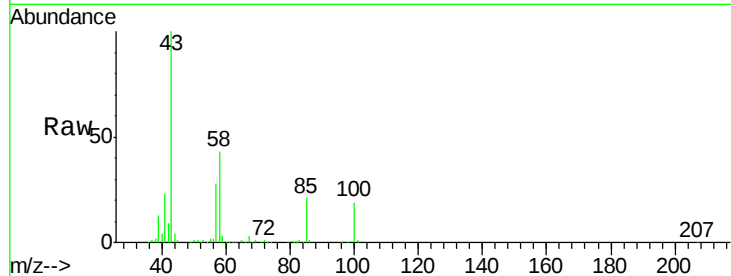
Ion Ratio Lower Upper

43 100

58 43.0 33.8 50.8

Manual Integrations
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#52

Toluene

Concen: 21.441 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD066994.D

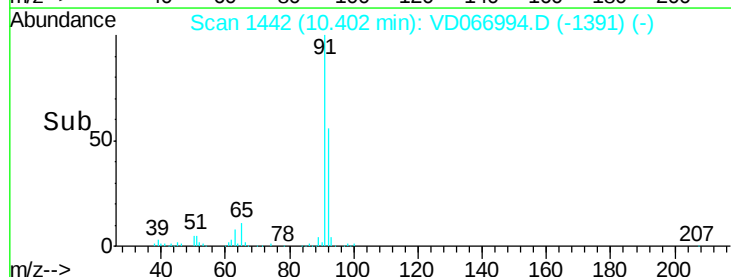
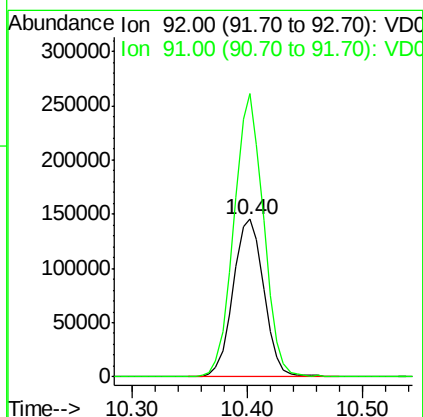
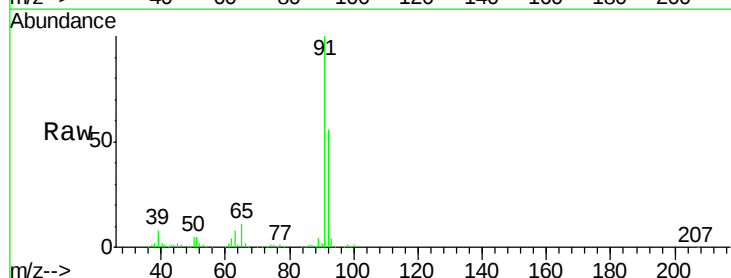
Acq: 01 Oct 2020 15:57

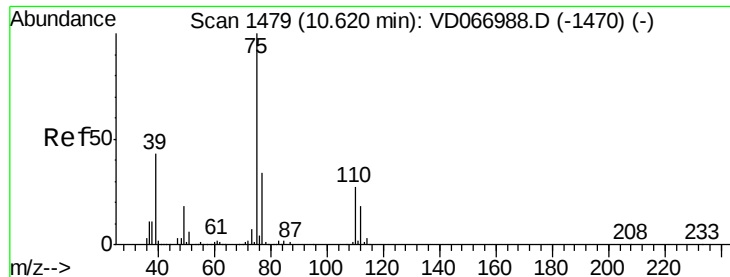
Tgt Ion: 92 Resp: 269381

Ion Ratio Lower Upper

92 100

91 172.1 135.1 202.7





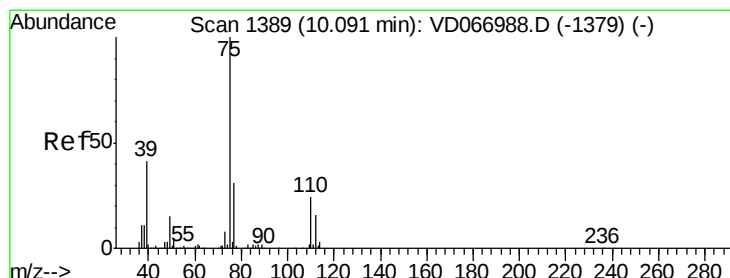
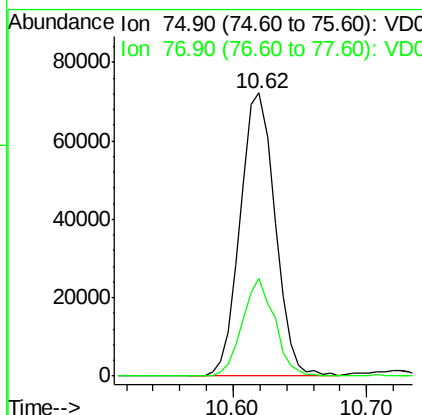
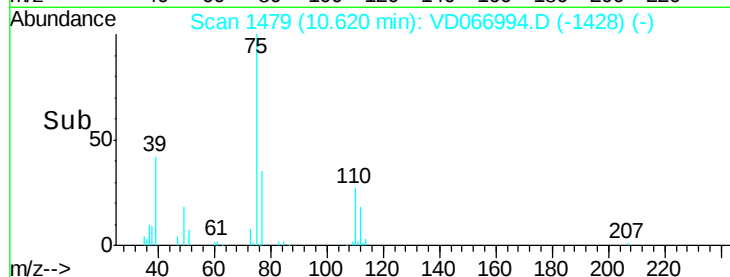
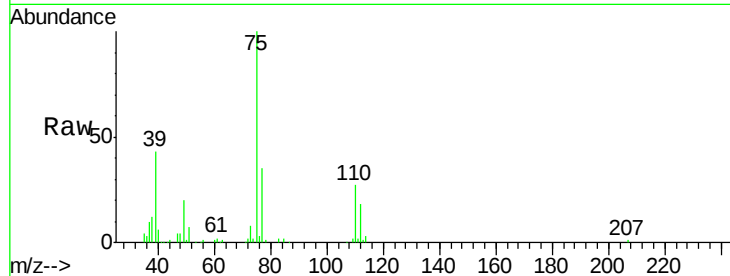
#53
t-1,3-Dichloropropene
Concen: 21.443 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.00 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.8	27.1	40.7

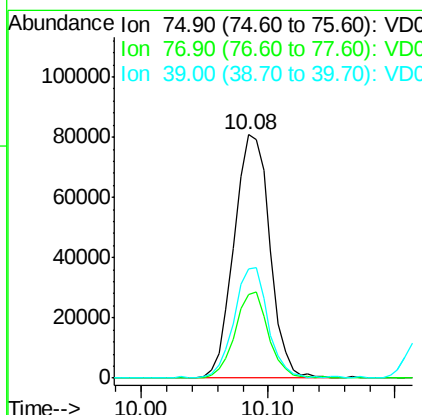
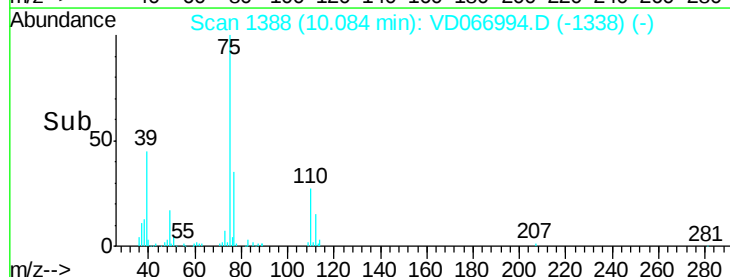
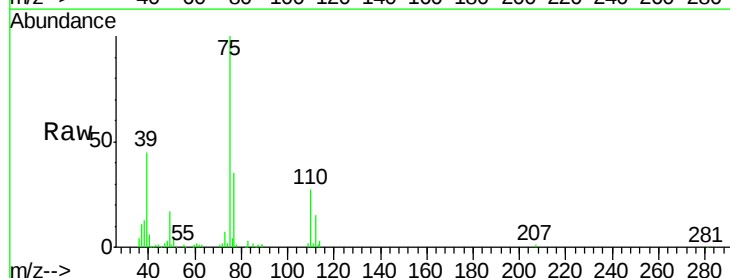
Manual Integrations
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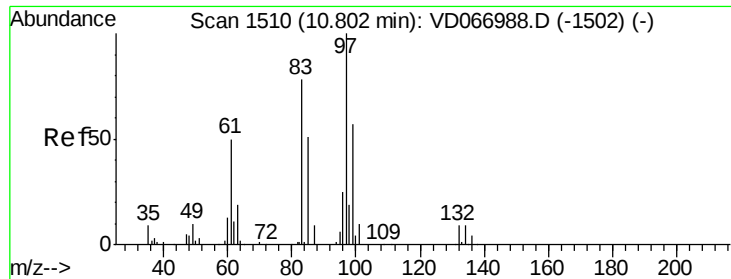
MMDadoda
10/2/2020 3:13:32 PM



#54
cis-1,3-Dichloropropene
Concen: 21.192 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. -0.01 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Tgt Ion	Ratio	Lower	Upper
75	100		
77	34.5	24.6	37.0
39	44.7	33.0	49.4





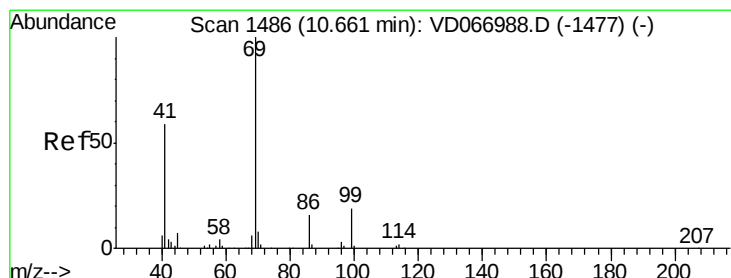
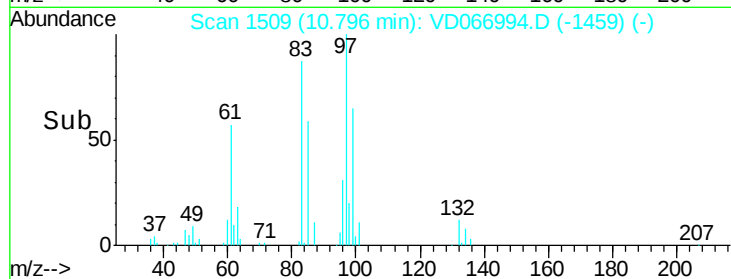
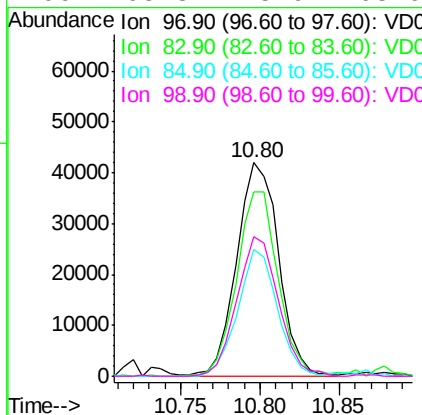
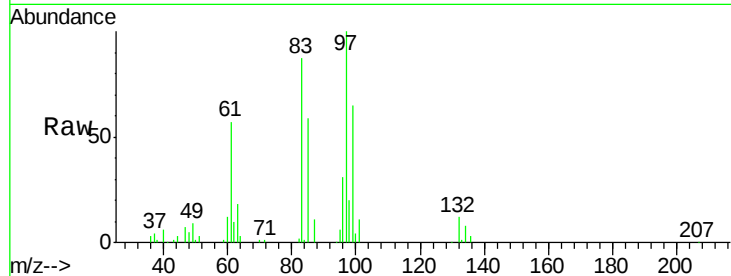
#55
 1,1,2-Trichloroethane
 Concen: 21.141 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066994.D
 Acq: 01 Oct 2020 15:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1001SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		77419		
83	86.5	62.4	93.6		
85	59.6	41.0	61.4		
99	65.3	45.9	68.9		

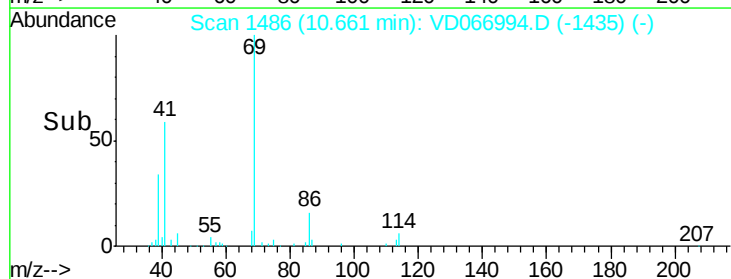
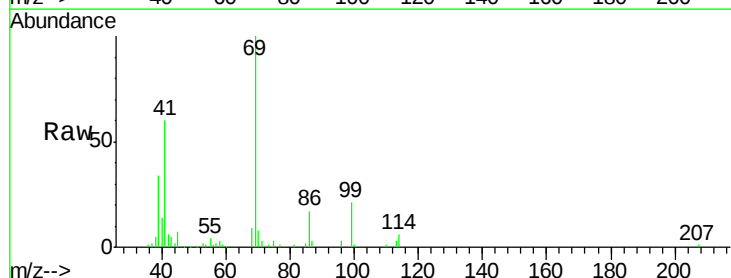
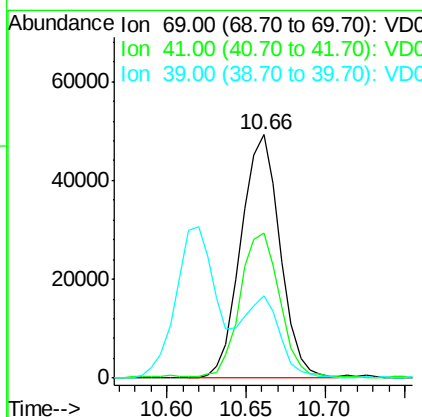
Manual Integrations
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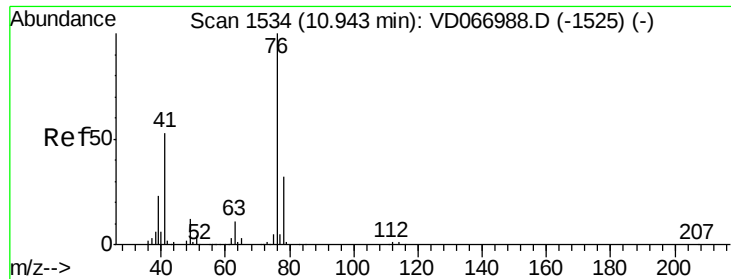
MMDadoda
 10/2/2020 3:13:32 PM



#56
 Ethyl methacrylate
 Concen: 22.305 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD066994.D
 Acq: 01 Oct 2020 15:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		84328		
41	60.1	46.4	69.6		
39	30.0	23.8	35.6		





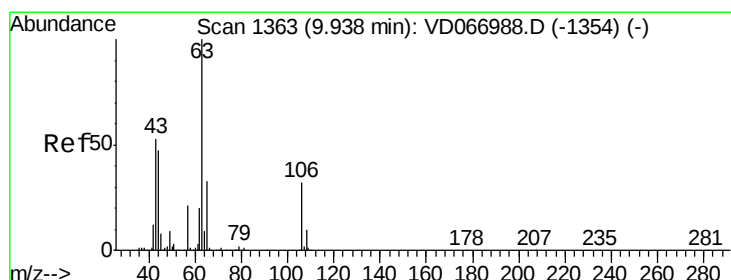
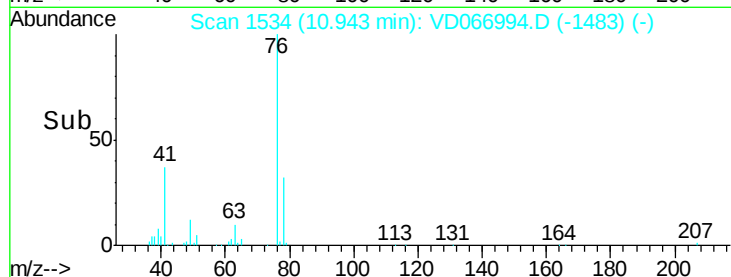
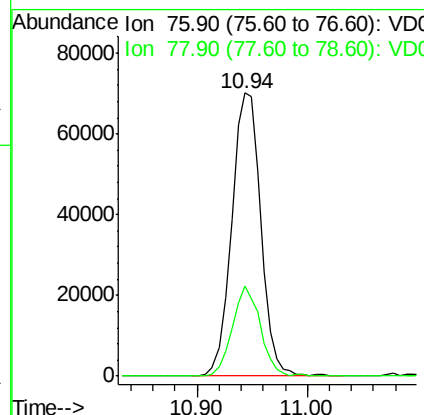
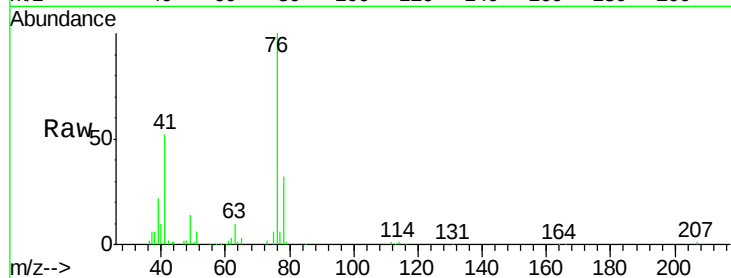
#57
 1,3-Dichloropropane
 Concen: 21.780 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD066994.D
 Acq: 01 Oct 2020 15:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1001SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	30.3	25.8	38.8

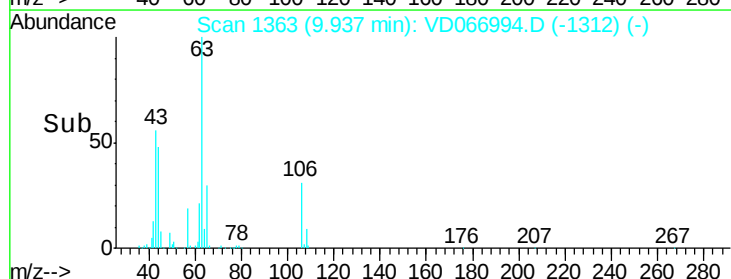
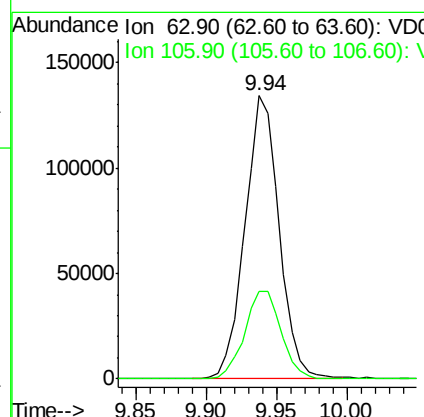
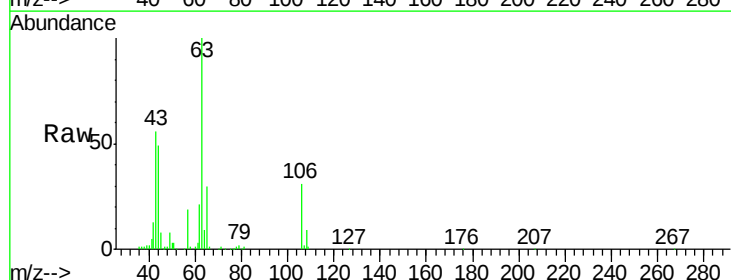
Manual Integrations
 APPROVED

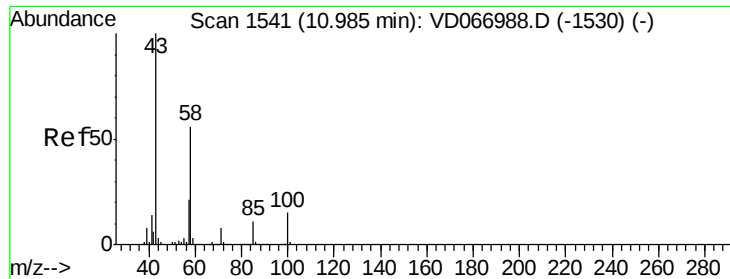
MMDadoda
 10/2/2020 3:13:32 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.216 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VD066994.D
 Acq: 01 Oct 2020 15:57

Tgt Ion	Ratio	Lower	Upper
63	100		
106	33.3	25.3	37.9





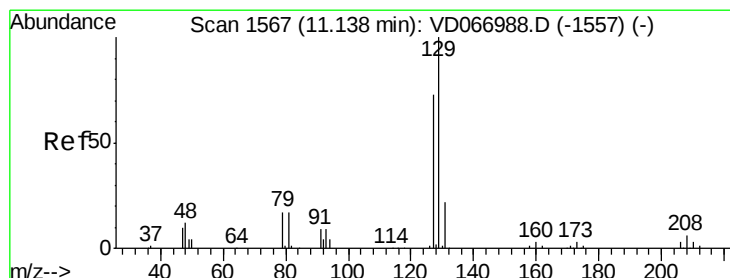
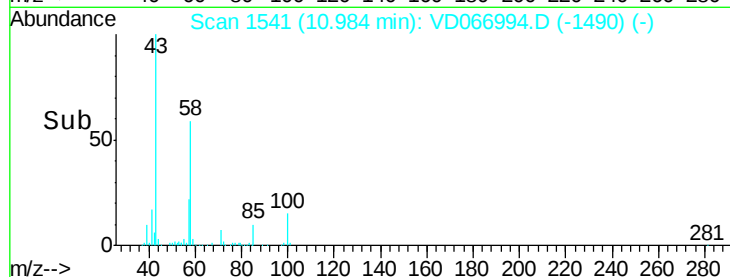
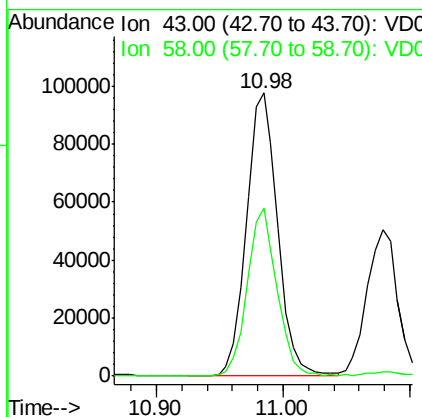
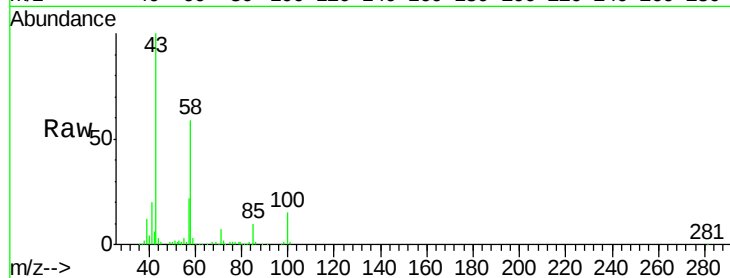
#59
2-Hexanone
Concen: 112.292 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

Tot Ion: 43 Resp: 167299
Ion Ratio Lower Upper
43 100
58 56.6 28.3 84.9

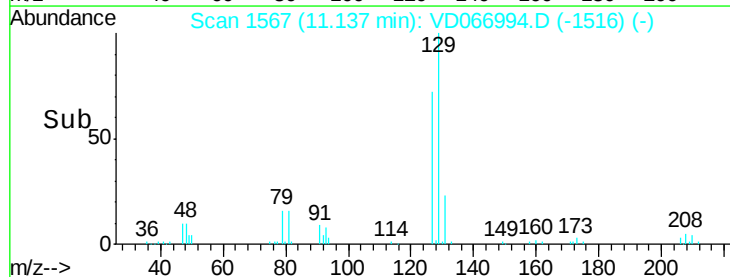
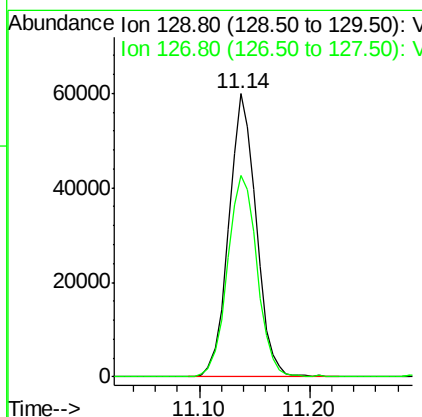
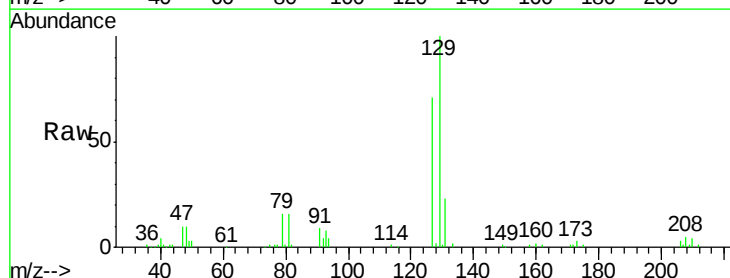
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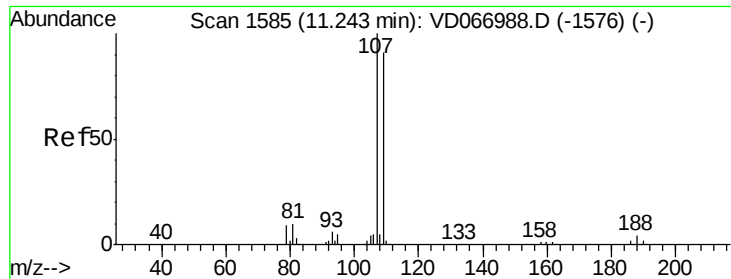
MMDadoda
10/2/2020 3:13:32 PM



#60
Dibromochloromethane
Concen: 21.377 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Tgt Ion: 129 Resp: 104334
Ion Ratio Lower Upper
129 100
127 76.7 37.4 112.1





#61

1,2-Dibromoethane

Concen: 21.183 ug/l

RT: 11.24 min Scan# 1585

Delta R.T. -0.00 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS01

Tot Ion: 107 Resp: 74524

Ion Ratio Lower Upper

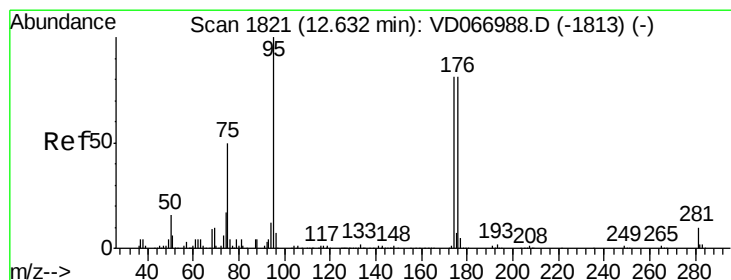
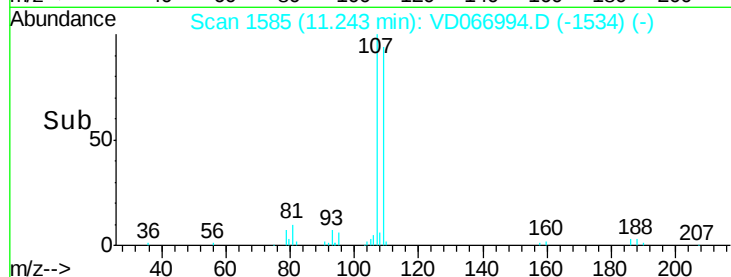
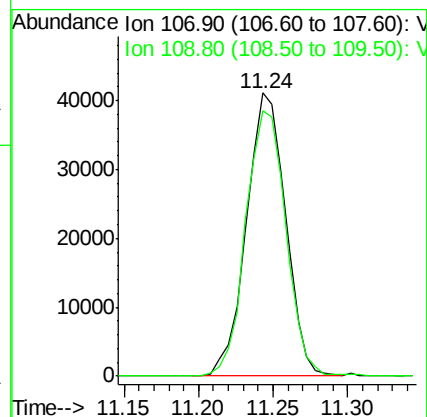
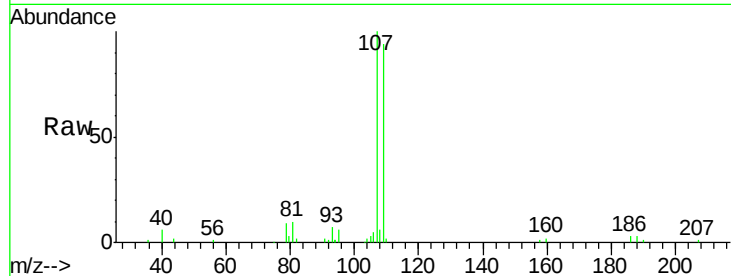
107 100

109 96.6 74.0 111.0

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 51.114 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

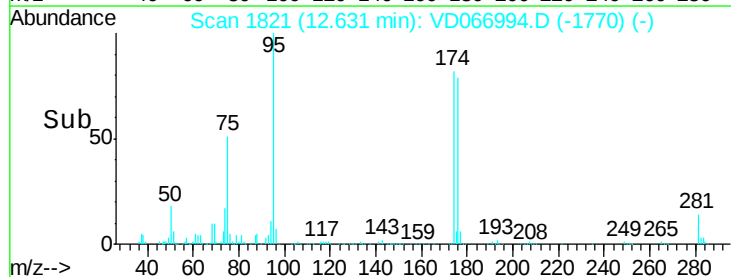
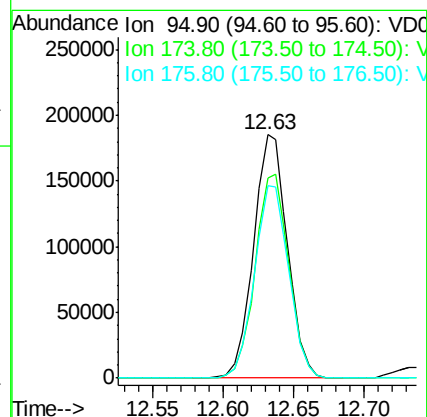
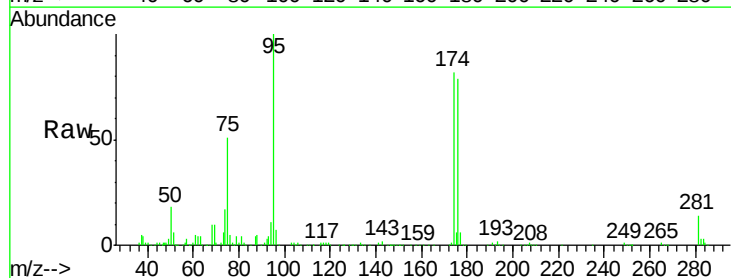
Tgt Ion: 95 Resp: 311845

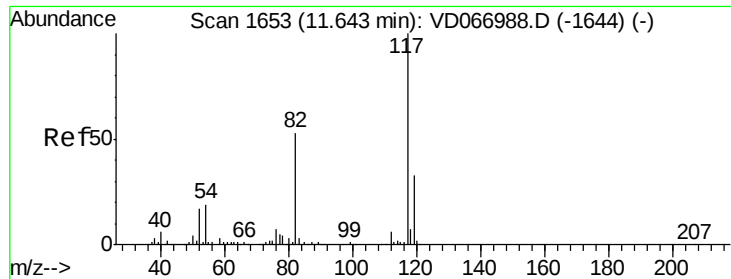
Ion Ratio Lower Upper

95 100

174 83.4 0.0 167.6

176 80.1 0.0 162.4





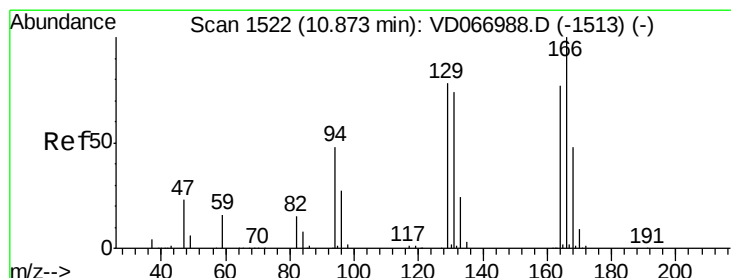
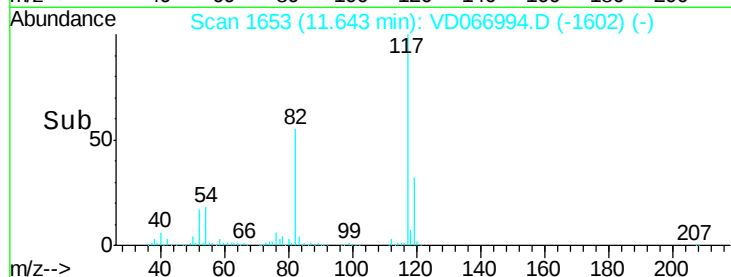
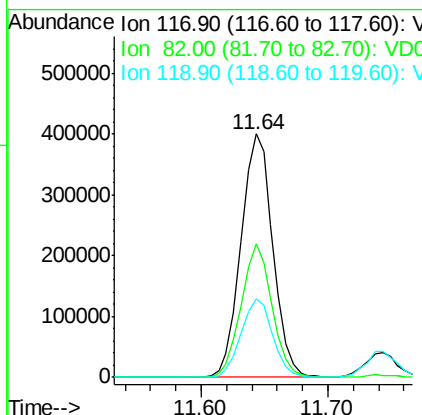
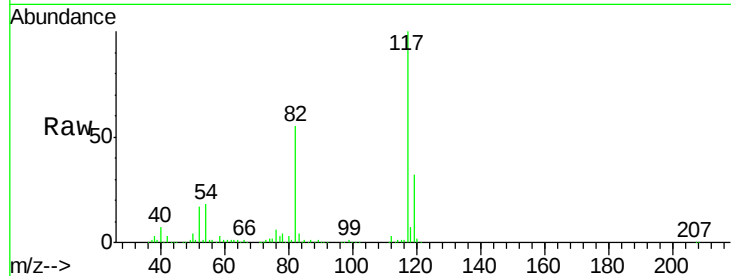
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	695170		
82	54.8		42.6	63.8
119	32.4		26.3	39.5

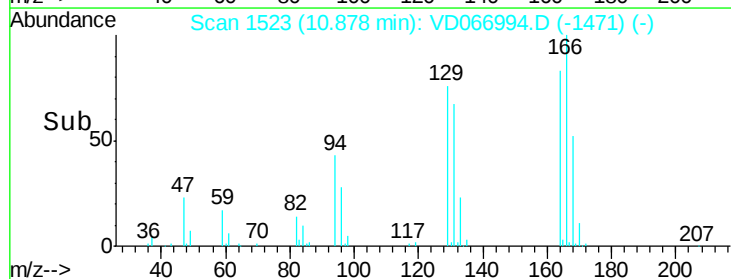
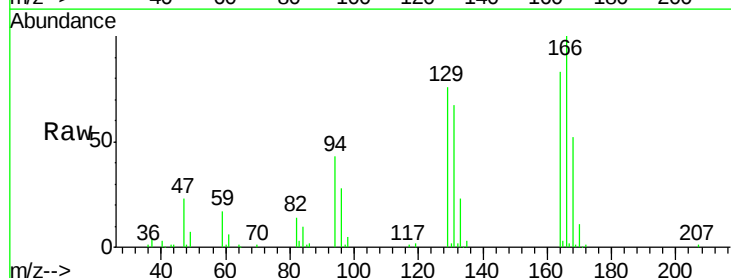
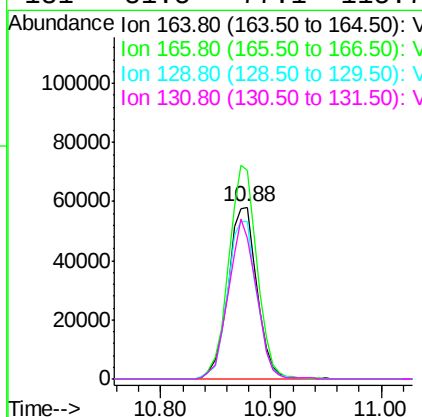
Manual Integrations
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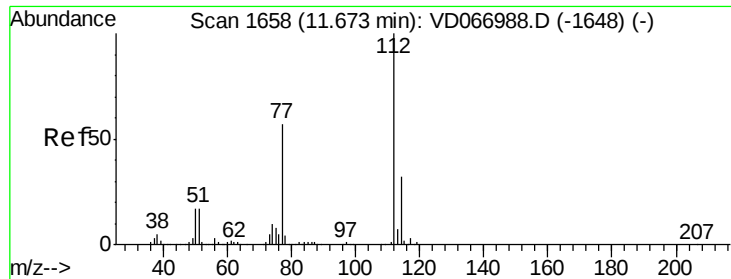
MMDadoda
10/2/2020 3:13:32 PM



#64
Tetrachloroethene
Concen: 21.182 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	107051		
166	121.1		104.4	156.6
129	91.5		81.3	121.9
131	81.5		77.1	115.7





#65

Chlorobenzene

Concen: 21.050 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. -0.01 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS01

Tot Ion:112 Resp: 291034

Ion Ratio Lower Upper

112 100

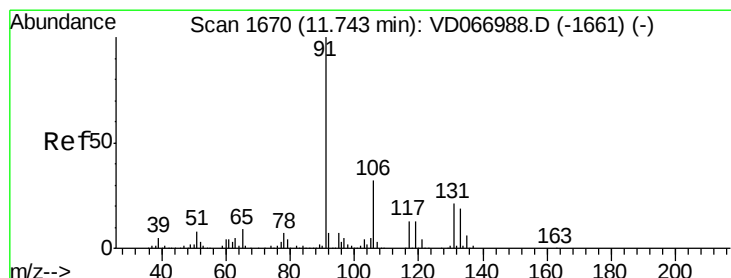
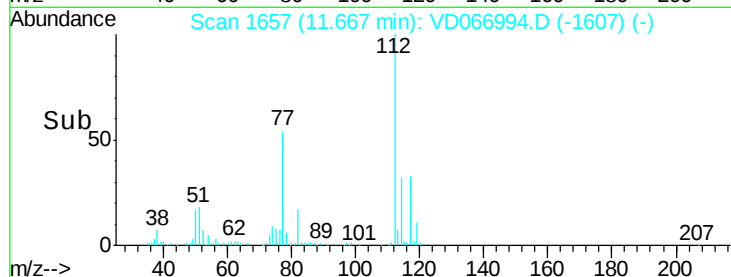
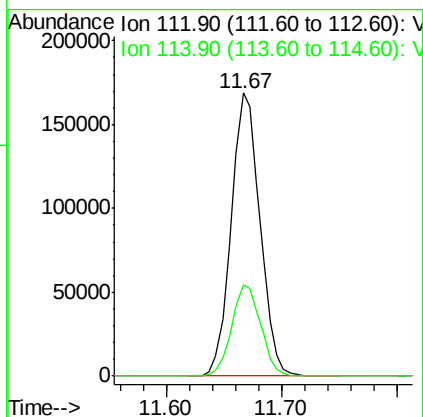
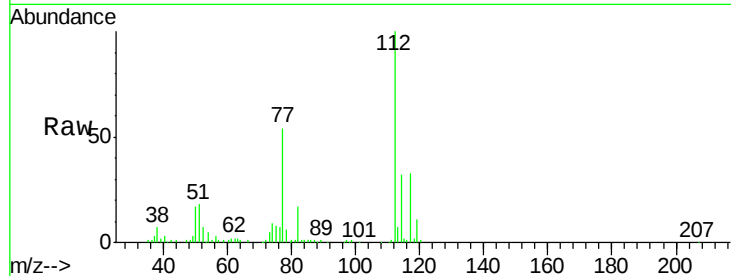
114 32.5 25.4 38.0

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 21.049 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

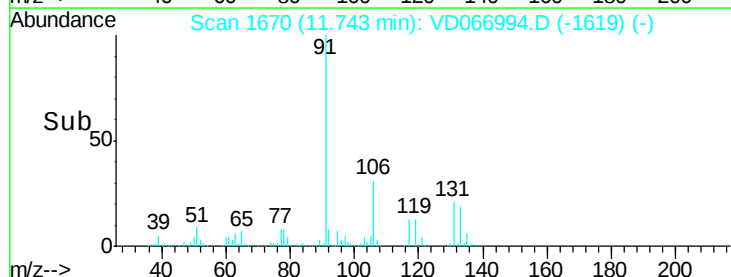
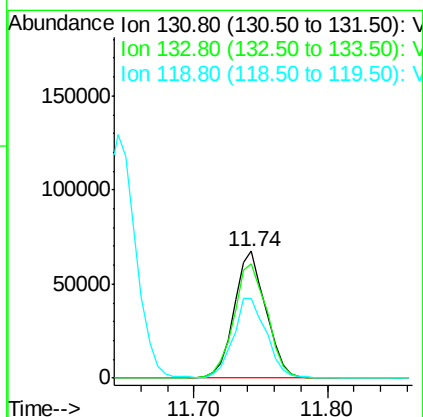
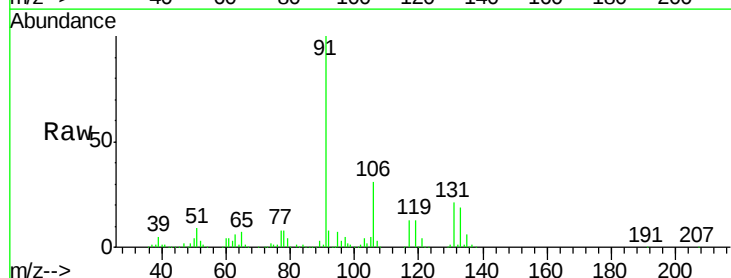
Tgt Ion:131 Resp: 110704

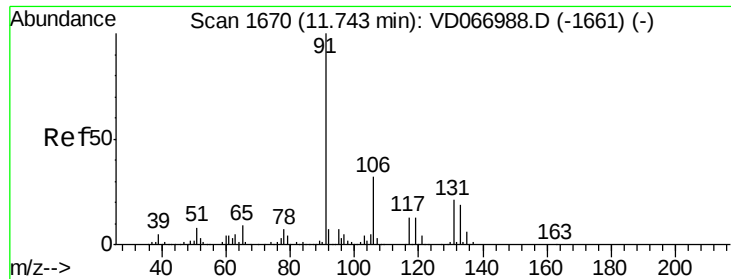
Ion Ratio Lower Upper

131 100

133 94.3 47.8 143.3

119 65.8 32.3 96.8





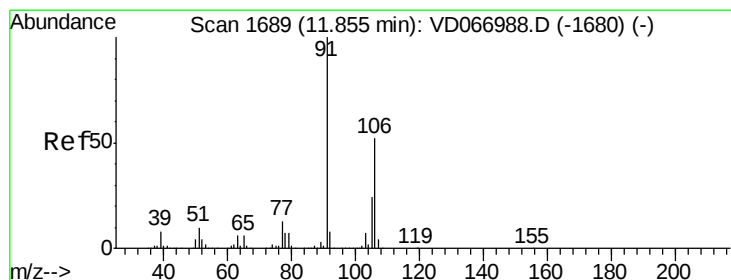
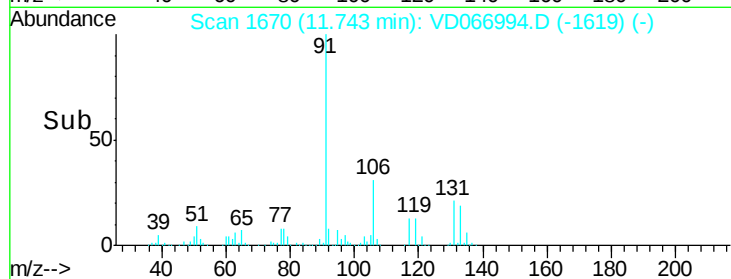
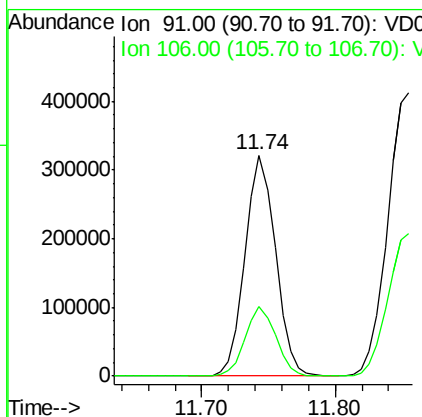
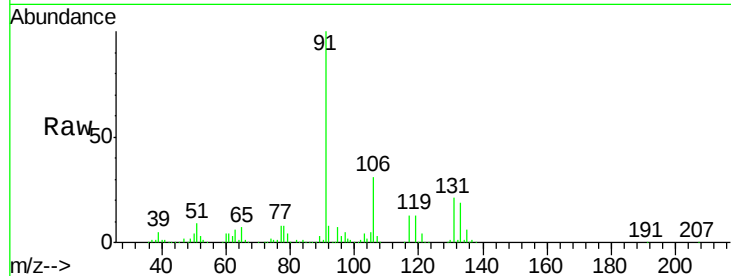
#67
Ethyl Benzene
Concen: 21.467 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

Tot Ion: 91 Resp: 508543
Ion Ratio Lower Upper
91 100
106 31.5 25.4 38.2

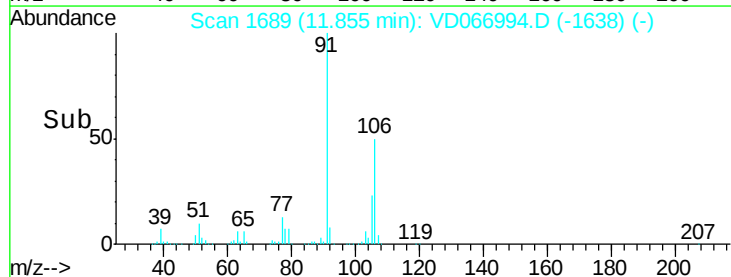
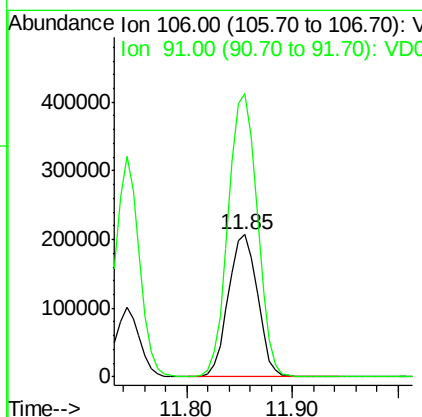
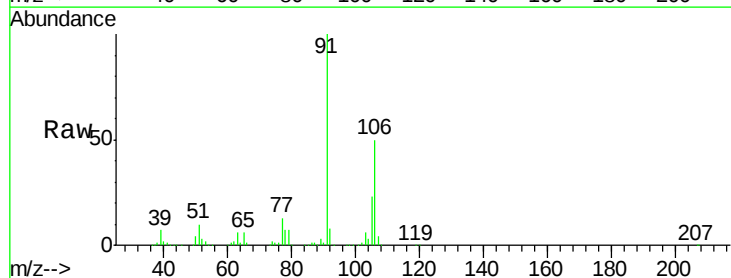
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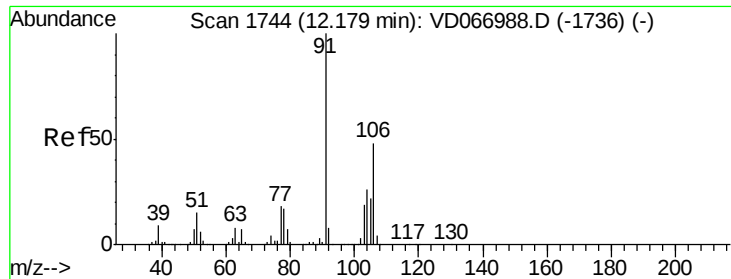
MMDadoda
10/2/2020 3:13:32 PM



#68
m/p-Xylenes
Concen: 42.974 ug/l
RT: 11.85 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Tgt Ion: 106 Resp: 396741
Ion Ratio Lower Upper
106 100
91 198.6 158.4 237.6





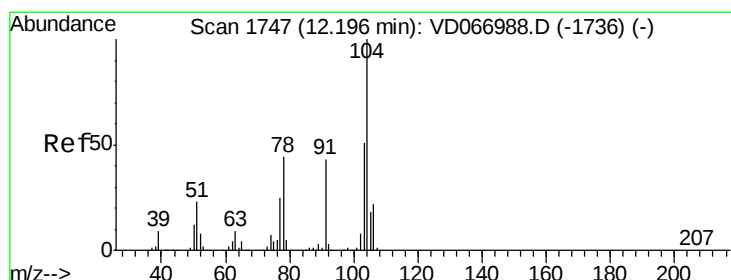
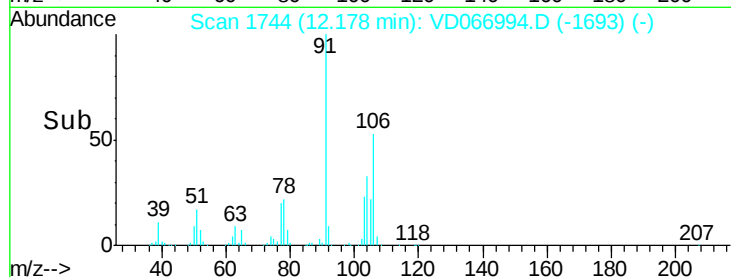
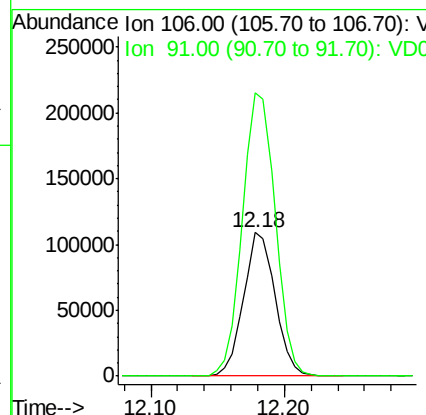
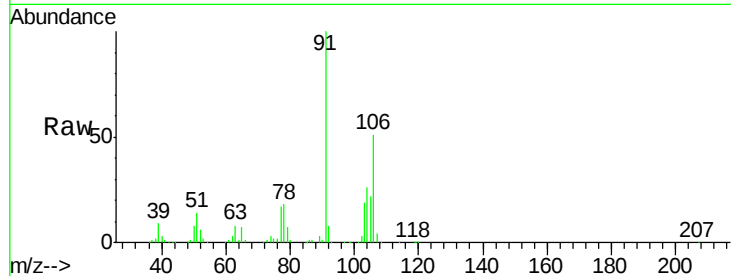
#69
o-Xylene
Concen: 21.577 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	178135		
91	91	206.0	102.4	307.2	

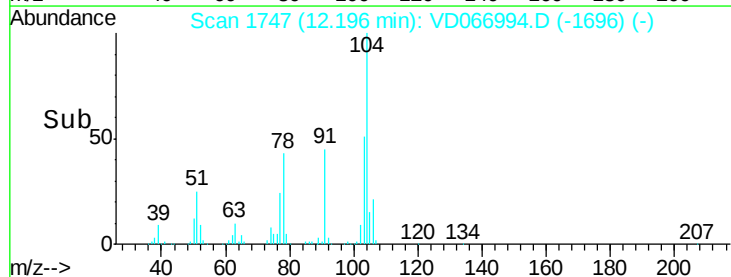
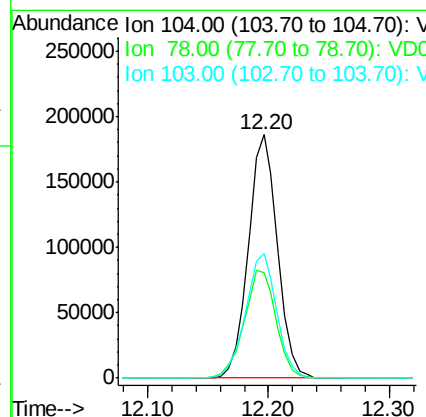
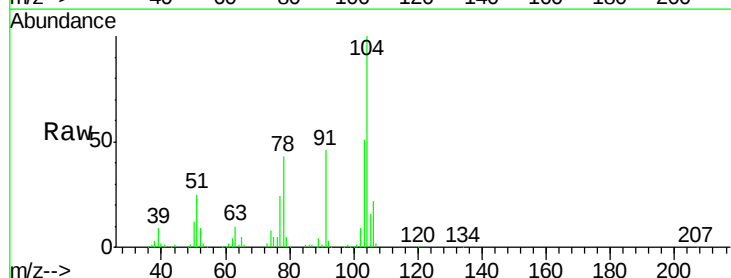
Manual Integrations
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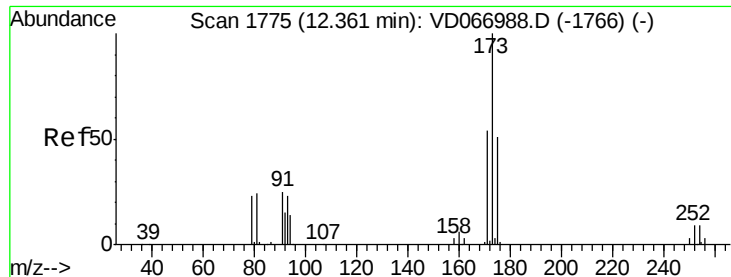
MMDadoda
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#70
Styrene
Concen: 22.024 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	312231		
78	78	48.6	38.6	58.0	
103	103	54.5	43.4	65.0	





#71

Bromoform

Concen: 21.281 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS01

Tot Ion:173 Resp: 58097

Ion Ratio Lower Upper

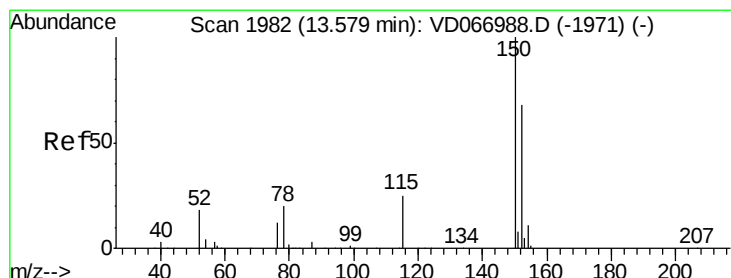
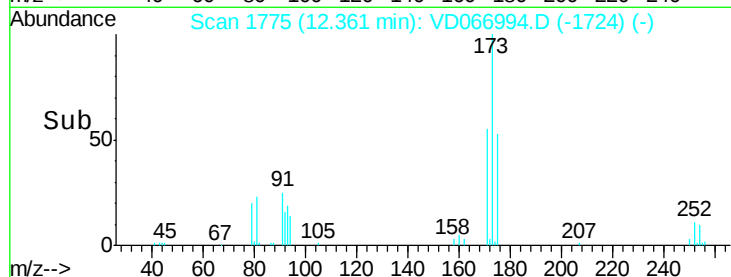
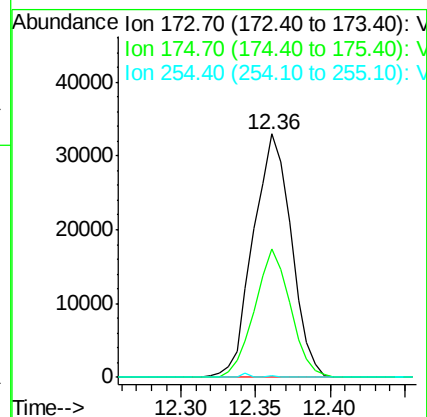
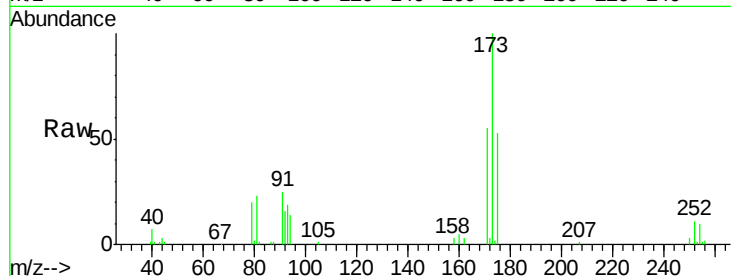
173 100

175 49.5 24.9 74.7

254 0.1 0.2 0.4#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

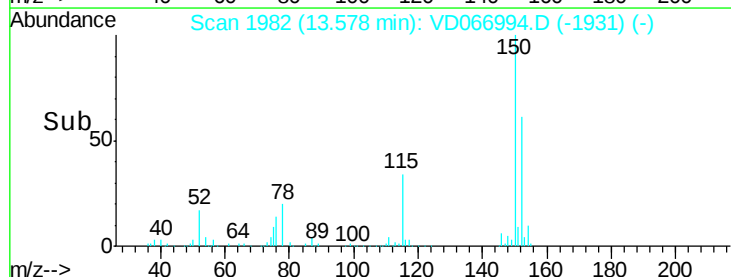
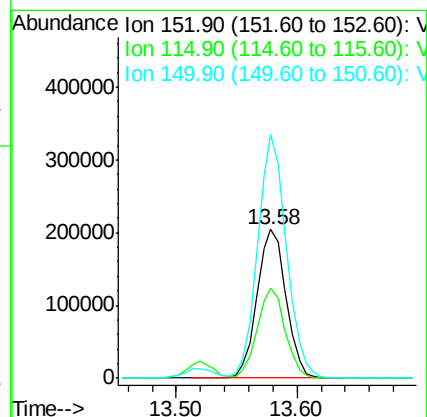
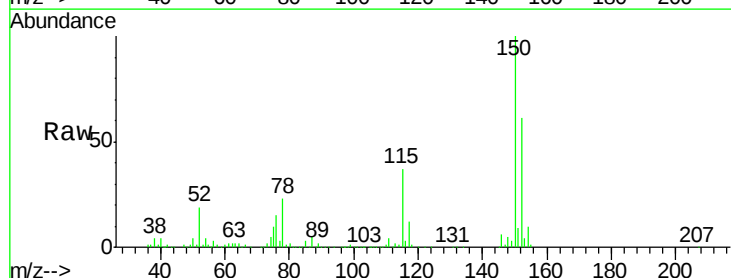
Tgt Ion:152 Resp: 340504

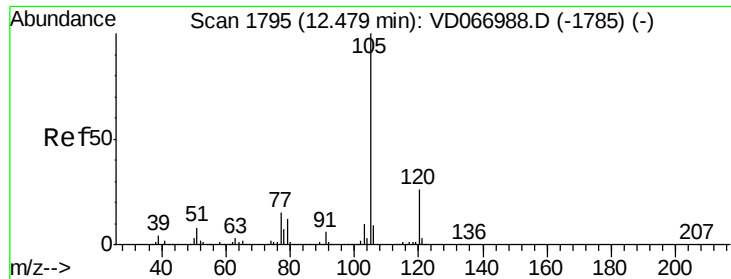
Ion Ratio Lower Upper

152 100

115 58.3 29.6 88.8

150 163.1 0.0 344.8





#73

Isopropylbenzene

Concen: 20.847 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS01

Tot Ion:105 Resp: 482002

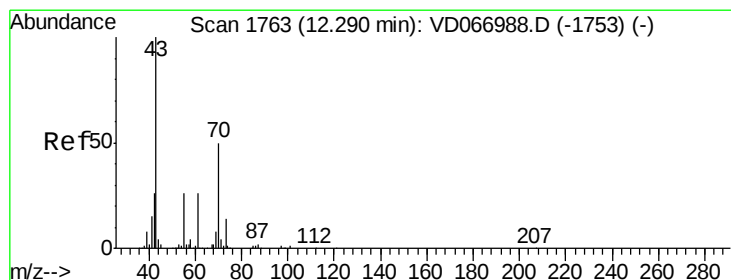
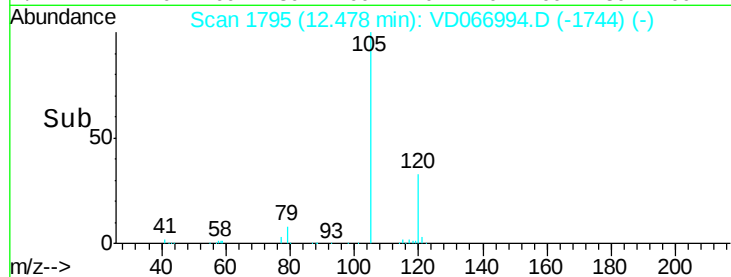
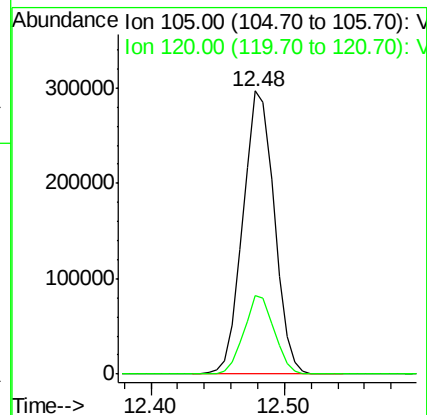
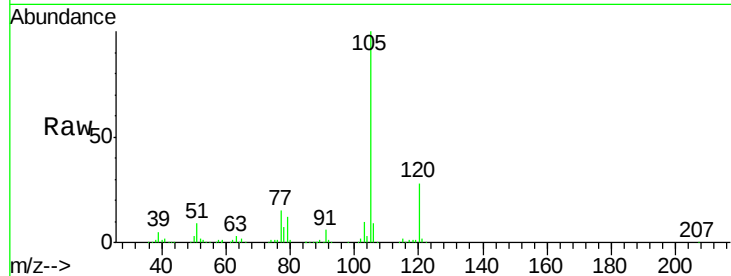
Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.9

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#74

N-ethyl acetate

Concen: 21.246 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Tgt Ion: 43 Resp: 88305

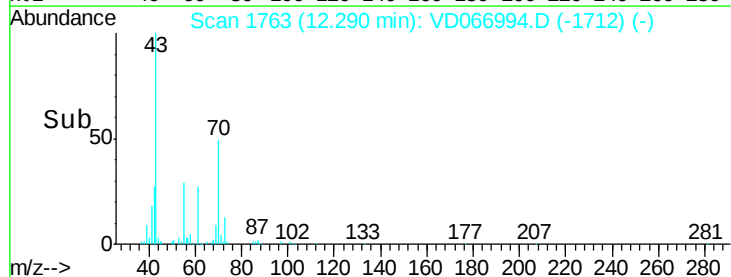
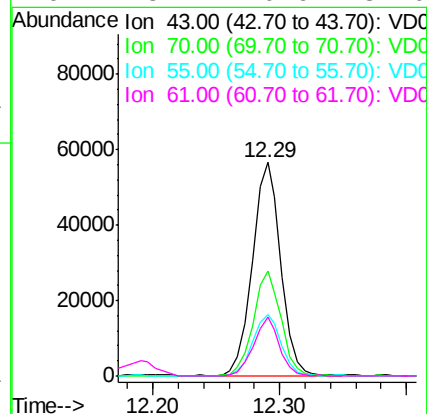
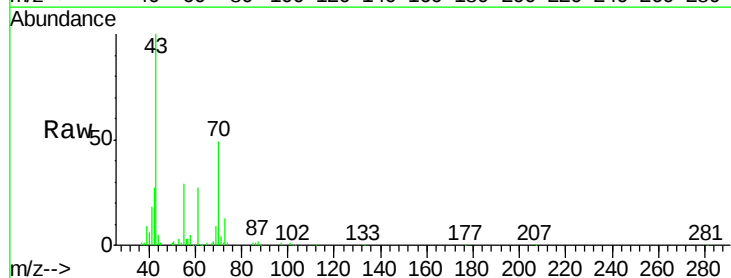
Ion Ratio Lower Upper

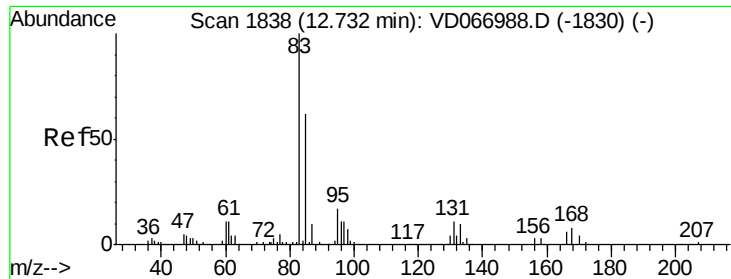
43 100

70 47.8 38.2 57.2

55 28.8 22.4 33.6

61 25.2 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.666 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Instrument :

MSVOA_D

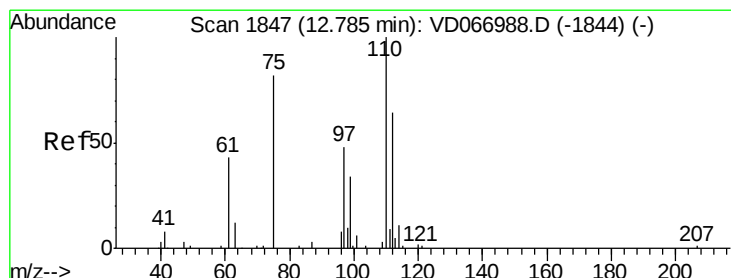
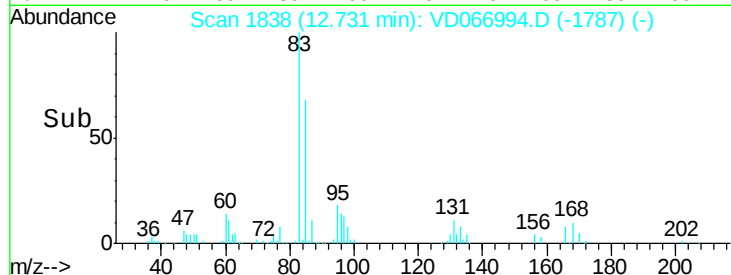
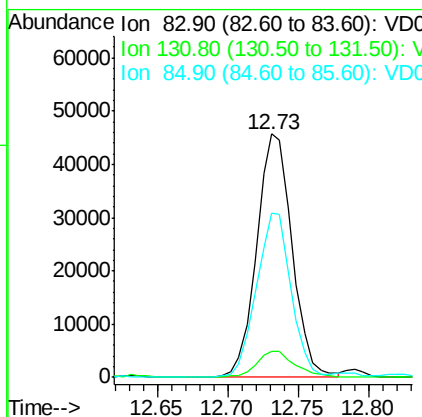
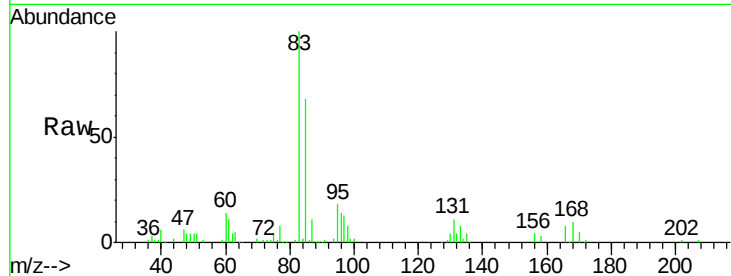
ClientSampleId :

VD1001SBS01

Tot Ion:	83	Resp:	80503
Ion	Ratio	Lower	Upper
83	100		
131	11.7	5.7	17.0
85	66.3	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.440 ug/l m

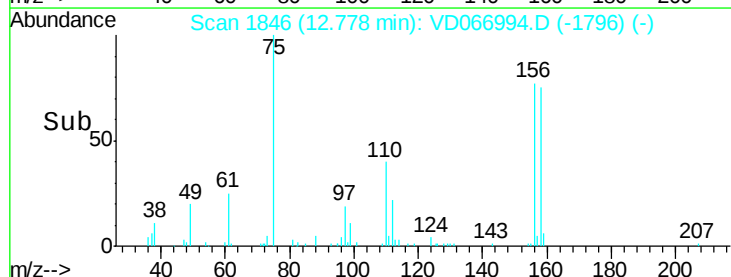
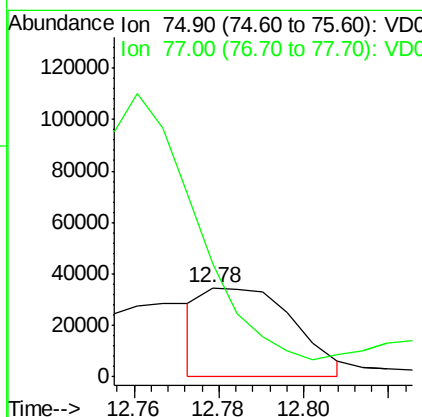
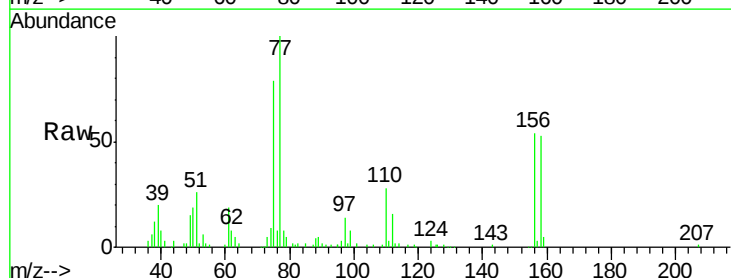
RT: 12.78 min Scan# 1846

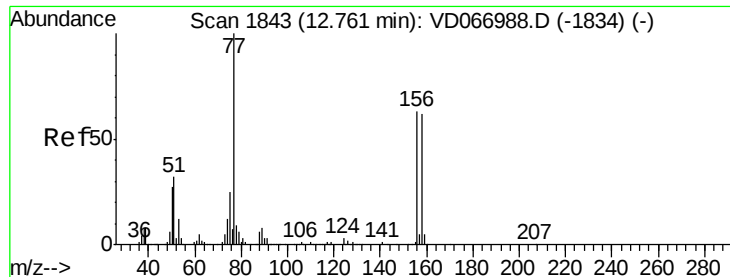
Delta R.T. -0.01 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Tgt Ion:	75	Resp:	51724
Ion	Ratio	Lower	Upper
75	100		
77	394.1	0.0	0.0#





#77

Bromobenzene

Concen: 21.209 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Instrument :

MSVOA_D

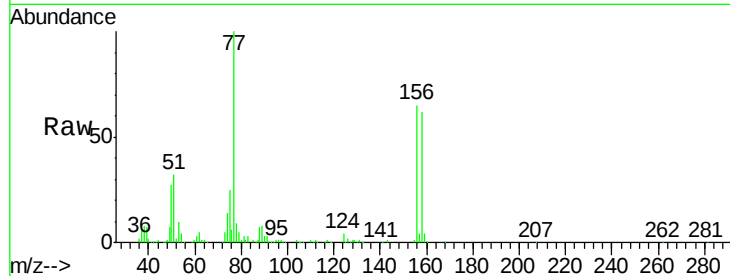
ClientSampleId :

VD1001SBS01

Tot Ion:	156	Resp:	118403
Ion Ratio	Lower	Upper	
156	100		
77	172.2	86.3	258.8
158	94.5	49.5	148.3

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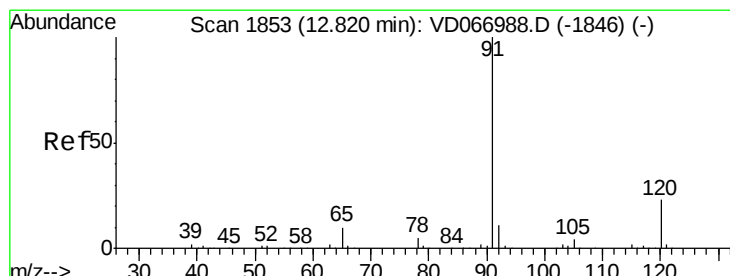
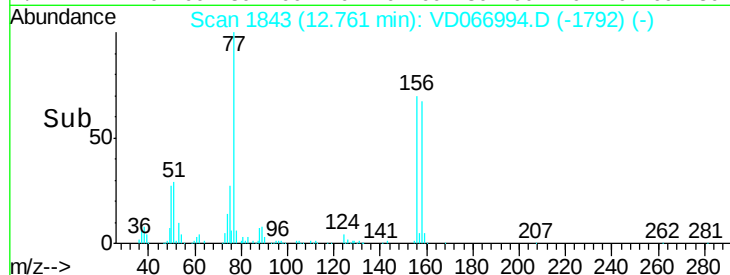
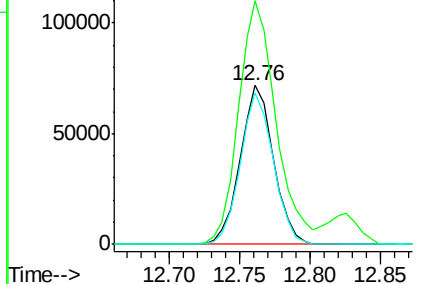
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.440 ug/l

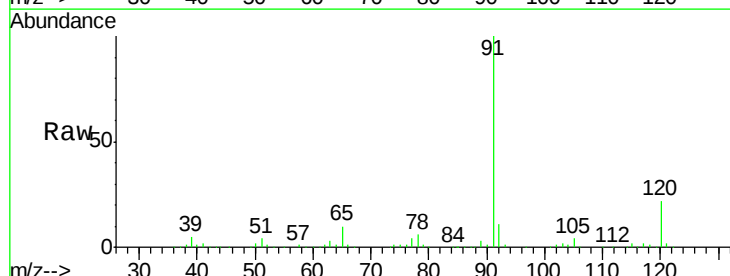
RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD066994.D

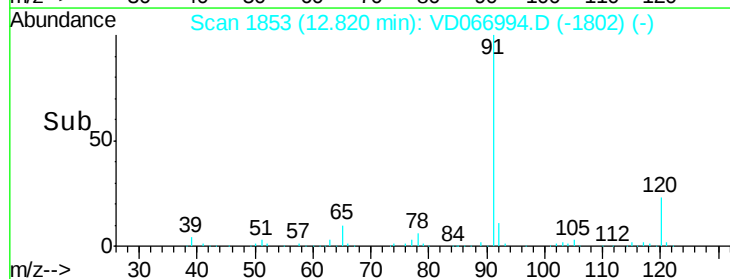
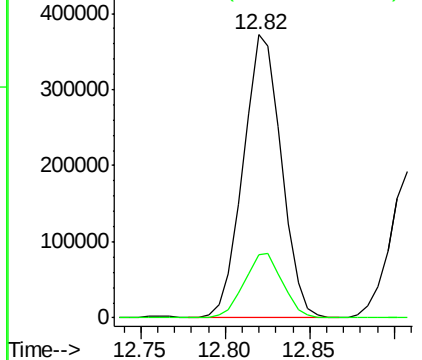
Acq: 01 Oct 2020 15:57

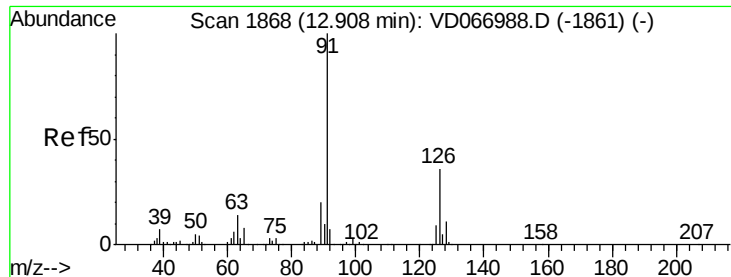
Tgt Ion:	91	Resp:	585848
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.6	34.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.648 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS01

Tot Ion: 91 Resp: 322802

Ion Ratio Lower Upper

91 100

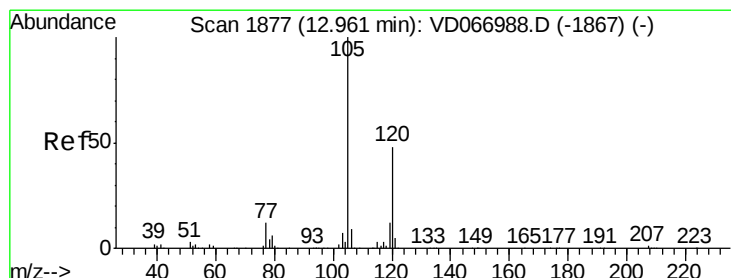
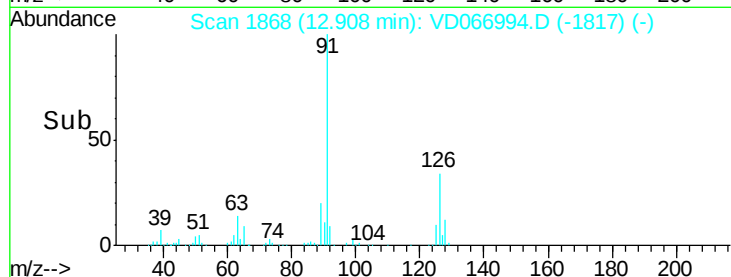
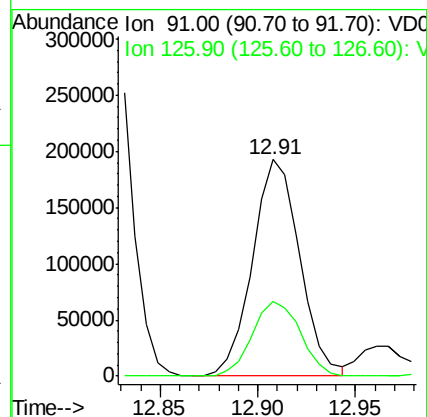
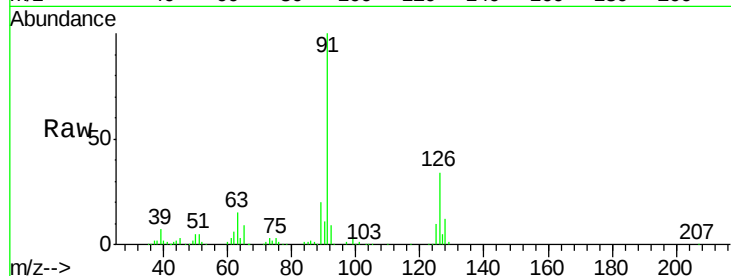
126 35.5 17.5 52.6

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#80

1,3,5-Trimethylbenzene

Concen: 21.362 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066994.D

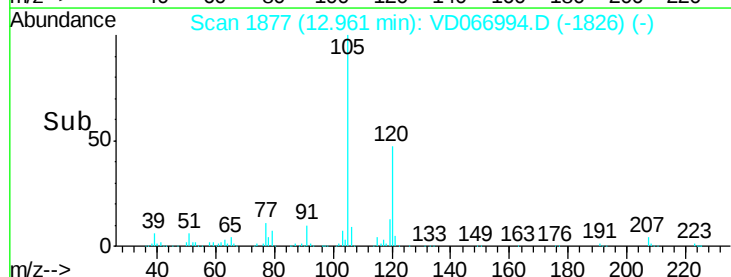
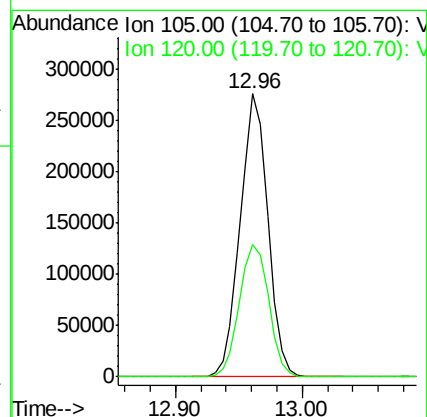
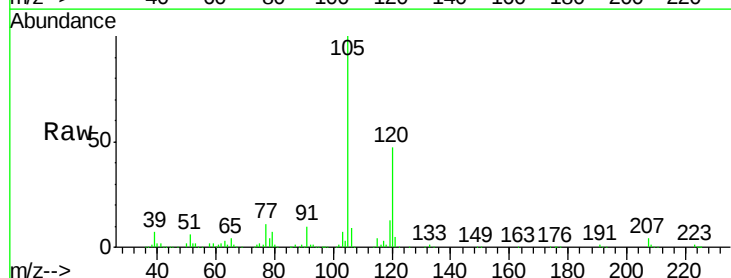
Acq: 01 Oct 2020 15:57

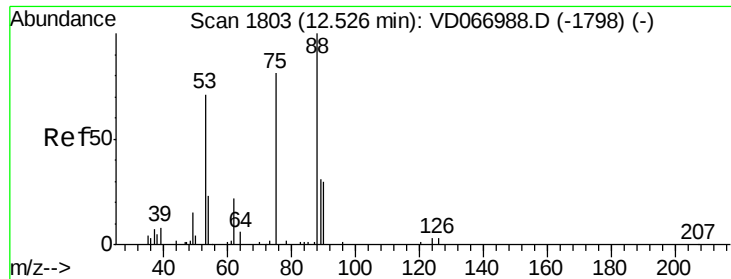
Tgt Ion: 105 Resp: 417282

Ion Ratio Lower Upper

105 100

120 49.7 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.572 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS01

Tot Ion: 75 Resp: 23283

Ion Ratio Lower Upper

75 100

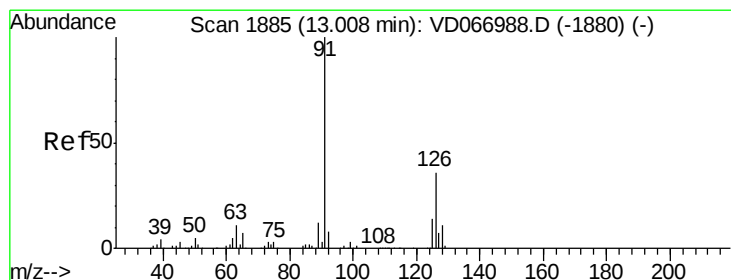
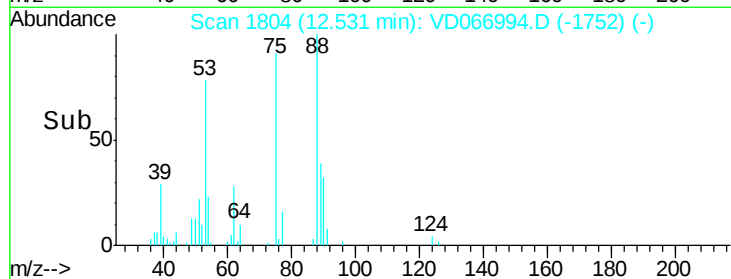
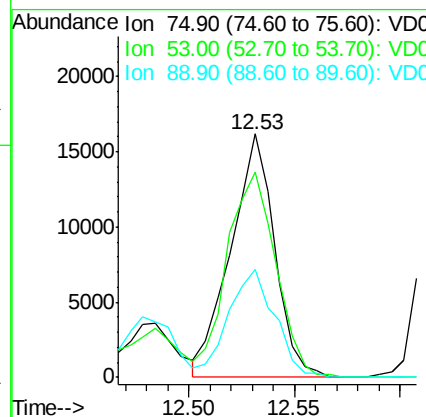
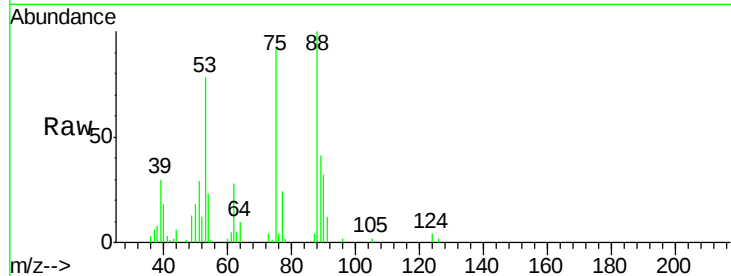
53 93.7 73.8 110.6

89 46.9 38.9 58.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.251 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD066994.D

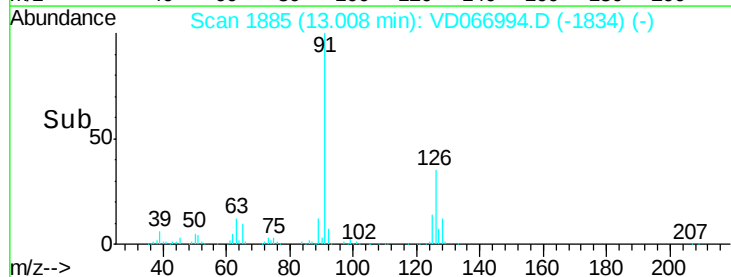
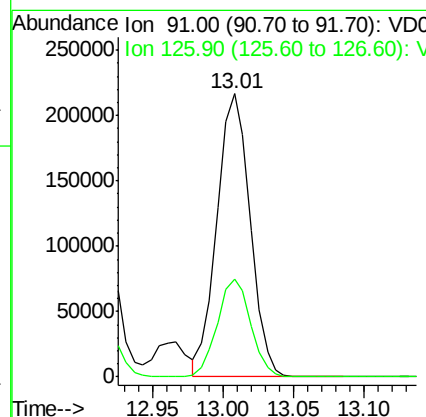
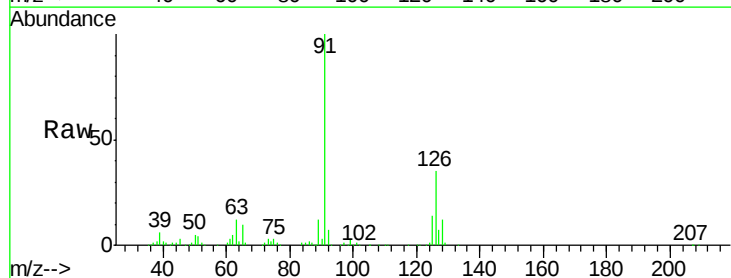
Acq: 01 Oct 2020 15:57

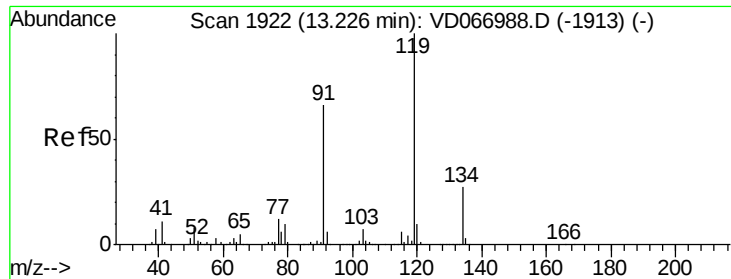
Tgt Ion: 91 Resp: 353473

Ion Ratio Lower Upper

91 100

126 34.6 17.5 52.5





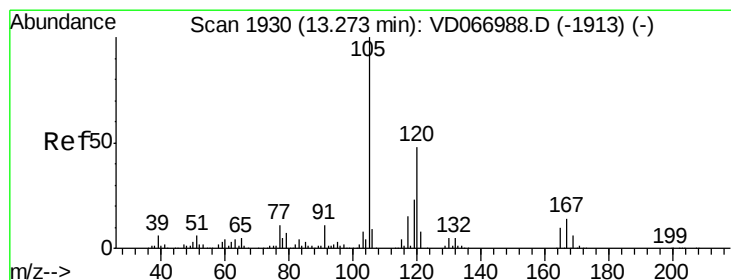
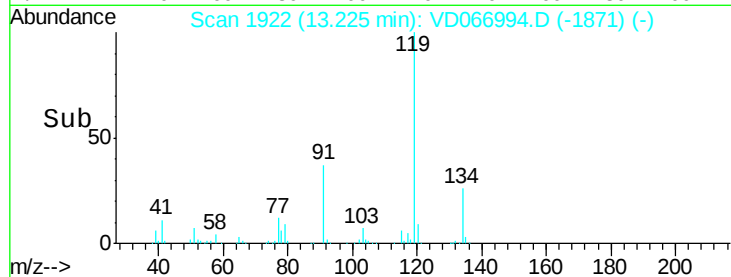
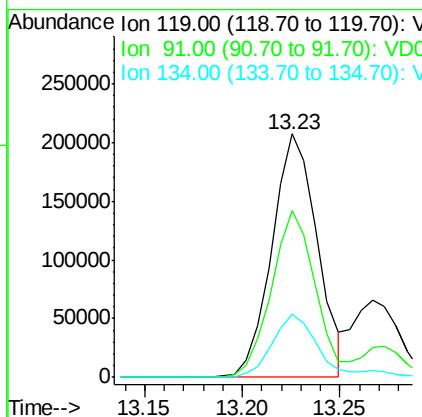
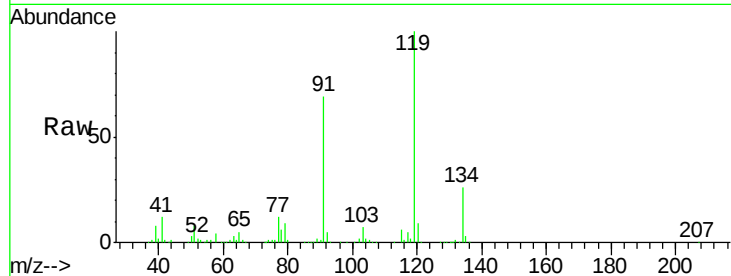
#83
 tert-Butylbenzene
 Concen: 20.273 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD066994.D
 Acq: 01 Oct 2020 15:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1001SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	333478		
91	67.0		32.8	98.3
134	27.3		13.9	41.7

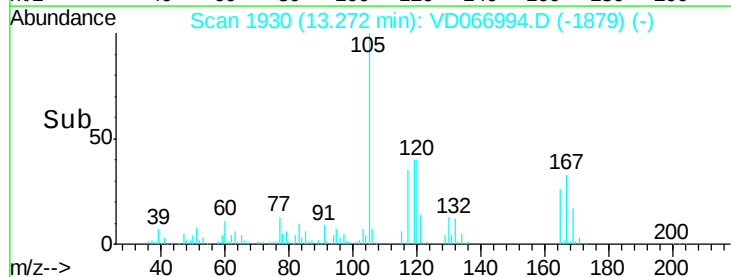
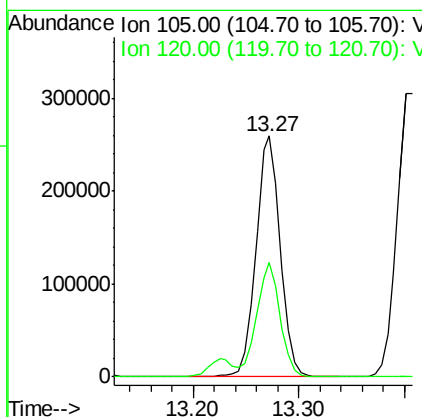
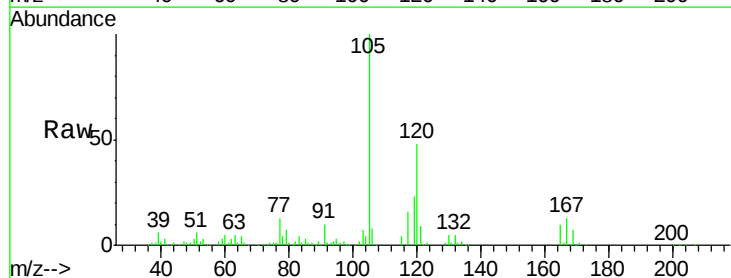
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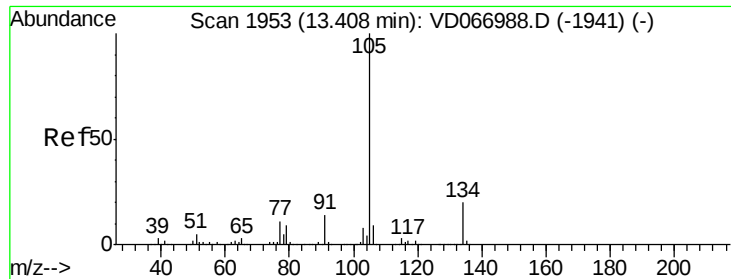
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.278 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD066994.D
 Acq: 01 Oct 2020 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	414806		
120	45.6		23.3	69.8





#85

sec-Butylbenzene

Concen: 21.151 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS01

Tot Ion:105 Resp: 489979

Ion Ratio Lower Upper

105 100

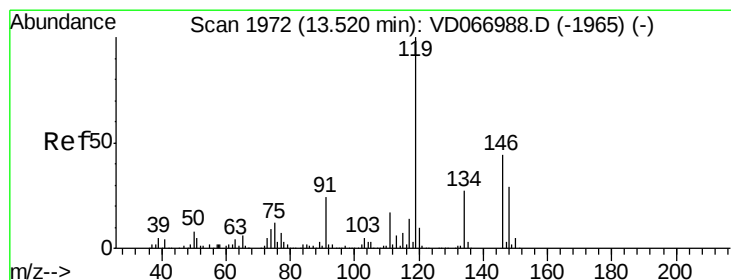
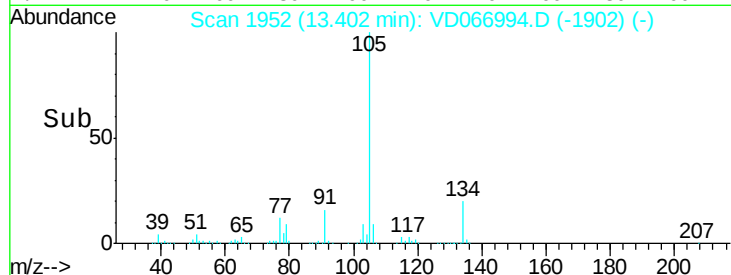
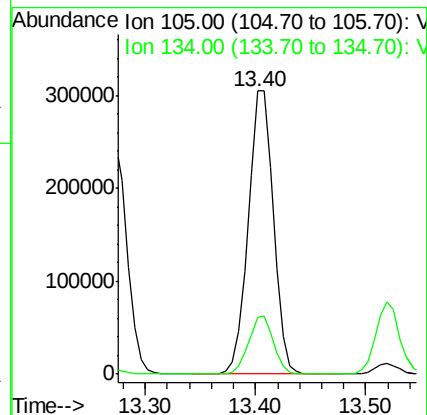
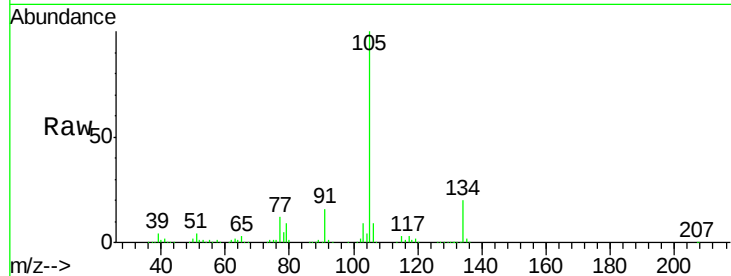
134 20.2 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 21.152 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066994.D

Acq: 01 Oct 2020 15:57

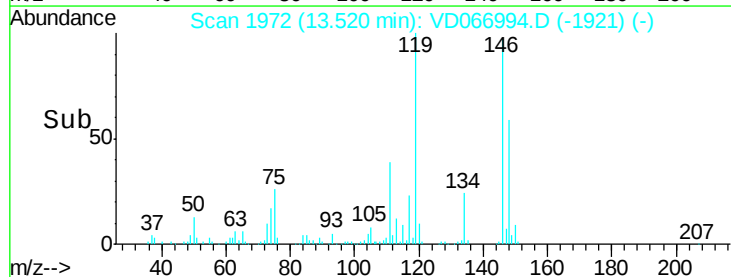
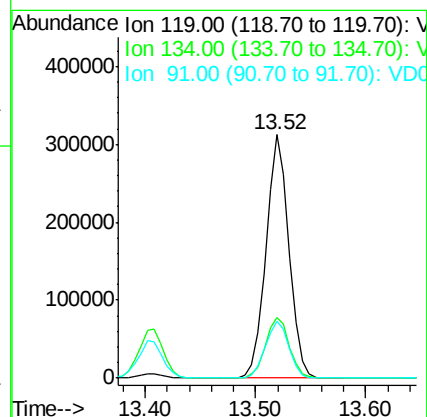
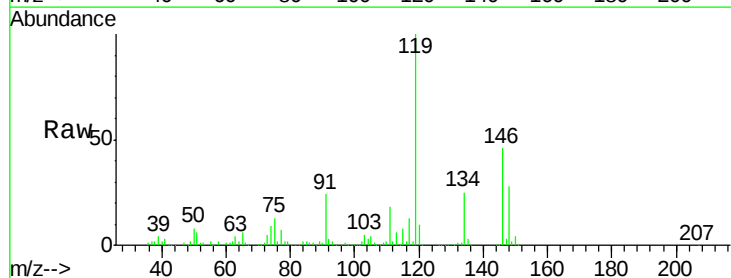
Tgt Ion:119 Resp: 454284

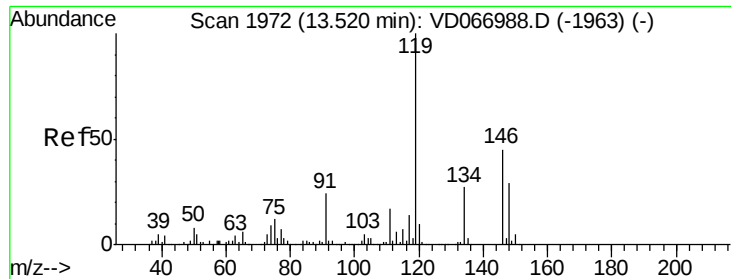
Ion Ratio Lower Upper

119 100

134 25.7 13.1 39.1

91 24.1 11.7 35.1





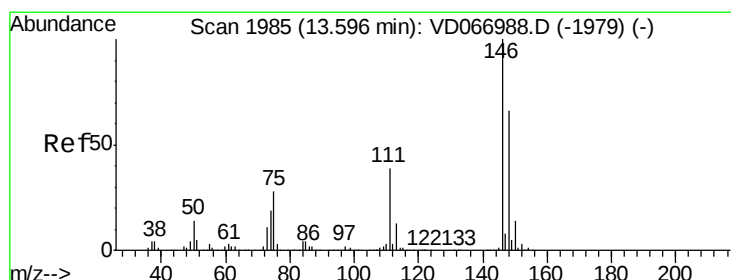
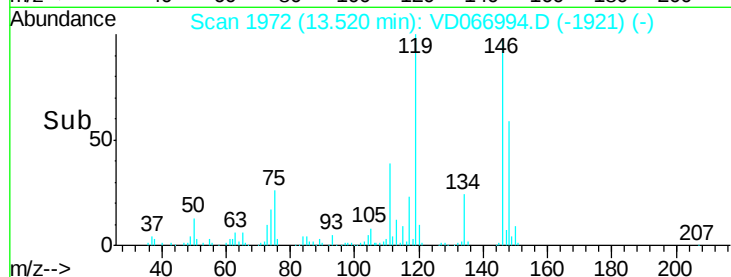
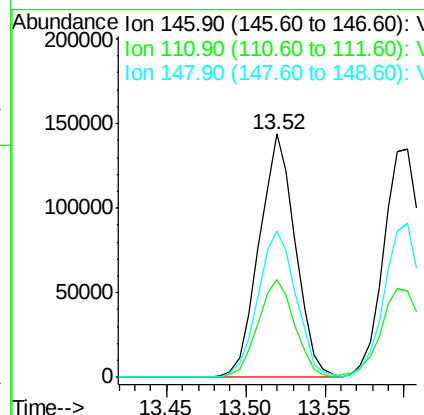
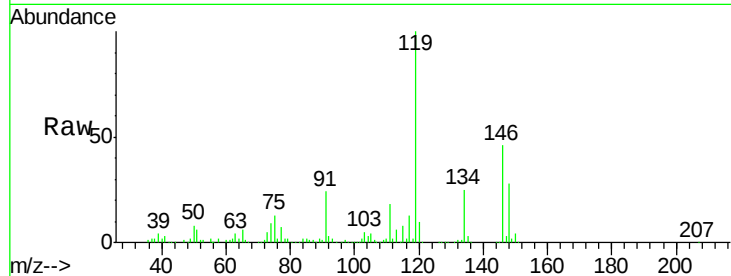
#87
 1,3-Dichlorobenzene
 Concen: 21.041 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066994.D
 Acq: 01 Oct 2020 15:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1001SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	228811		
111	40.8	20.0	60.0	
148	63.4	31.9	95.9	

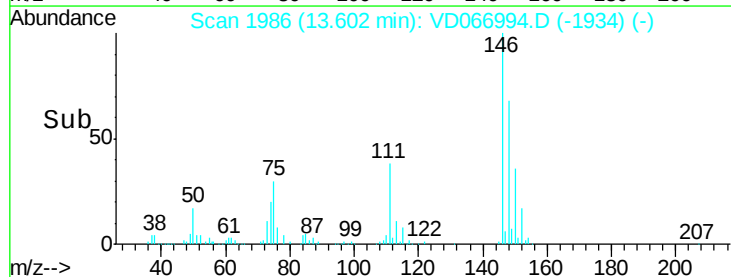
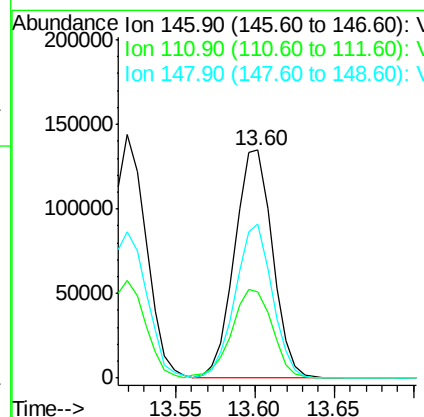
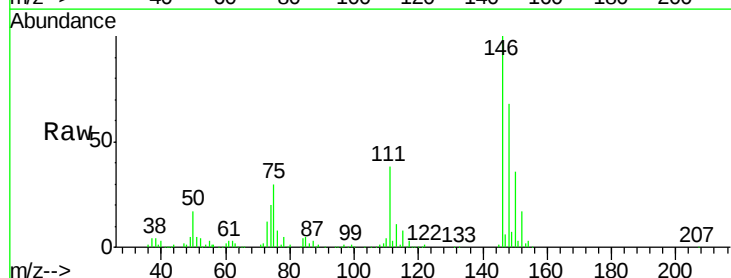
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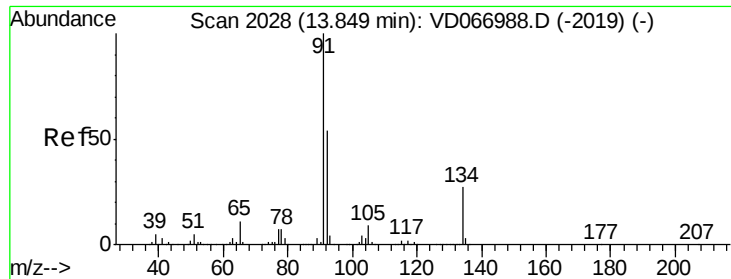
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#88
 1,4-Dichlorobenzene
 Concen: 20.706 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD066994.D
 Acq: 01 Oct 2020 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	225143		
111	41.7	19.6	58.7	
148	65.7	32.6	97.7	





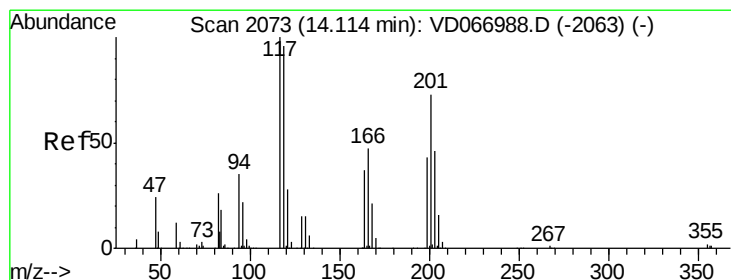
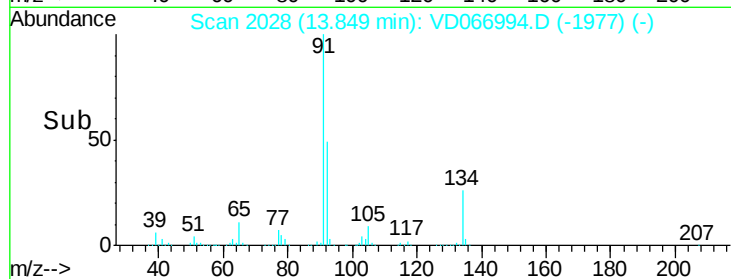
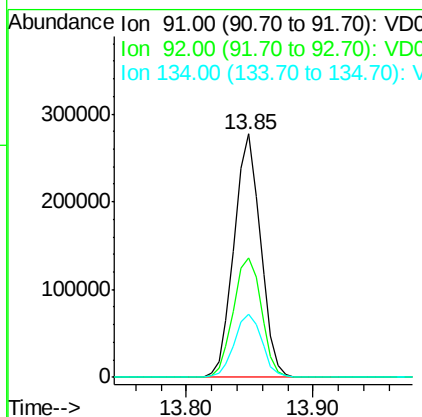
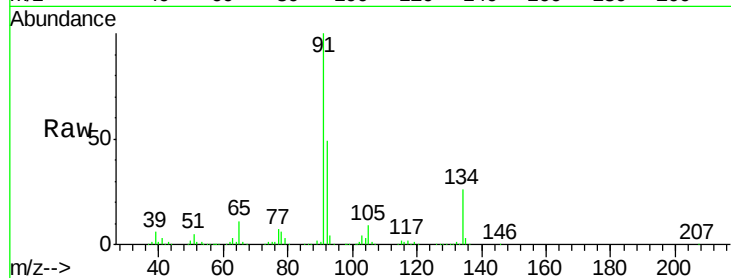
#89
n-Butylbenzene
Concen: 20.428 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.4	27.1	81.2	
134	27.1	13.6	40.8	

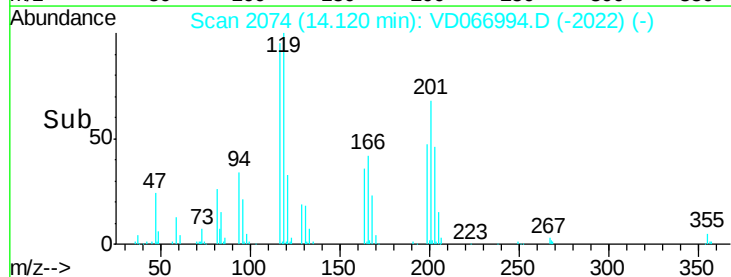
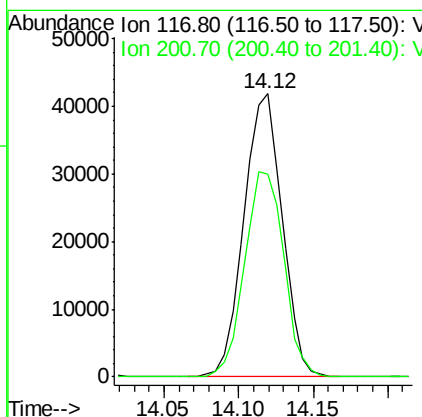
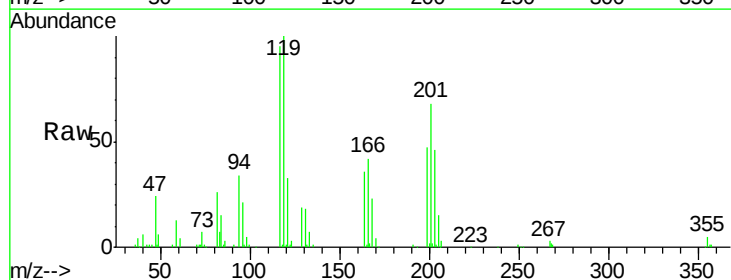
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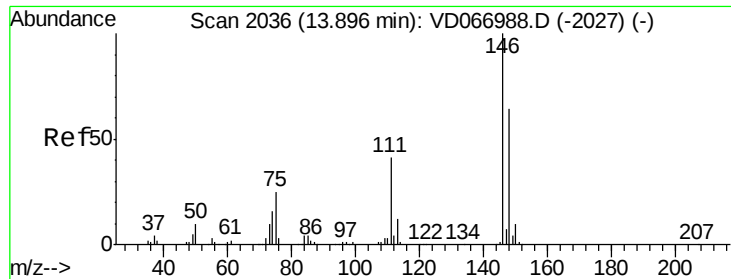
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#90
Hexachloroethane
Concen: 19.718 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	74.1	37.0	110.9	





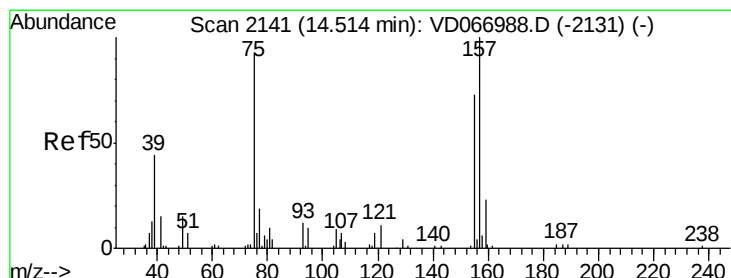
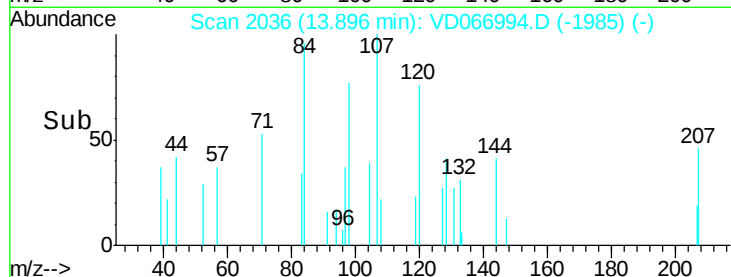
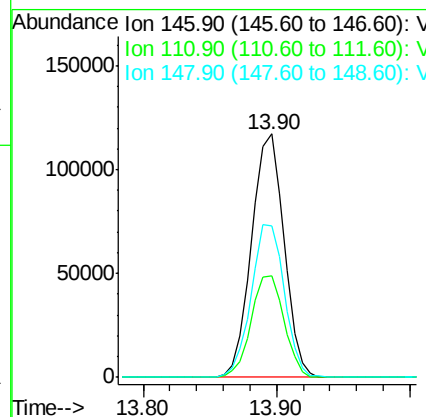
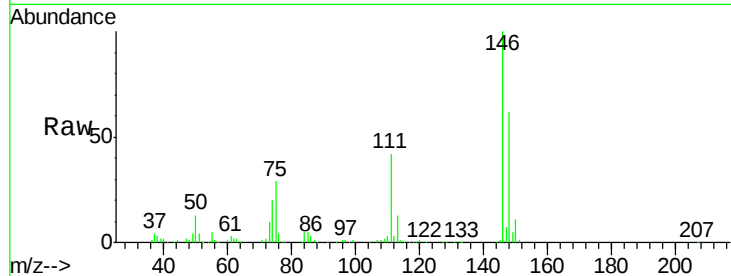
#91
 1,2-Dichlorobenzene
 Concen: 20.705 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD066994.D
 Acq: 01 Oct 2020 15:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1001SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	196633		
111	42.5	20.9	62.7	
148	64.1	32.3	96.9	

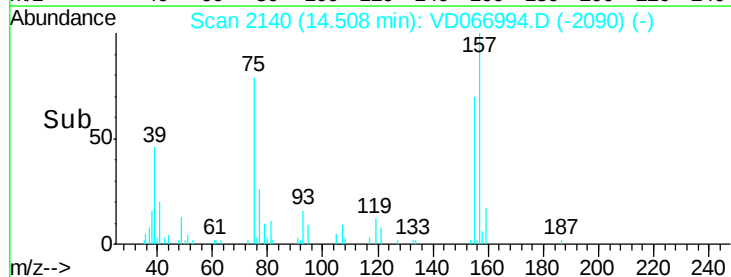
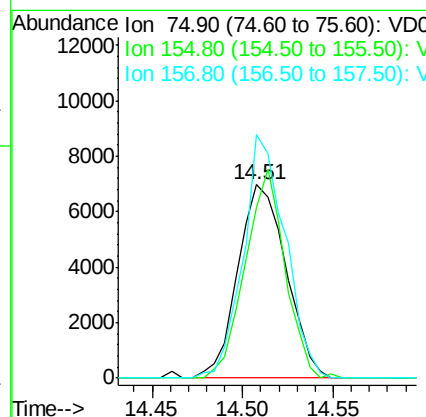
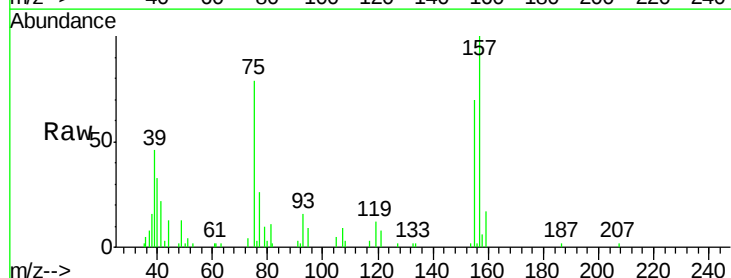
Manual Integrations
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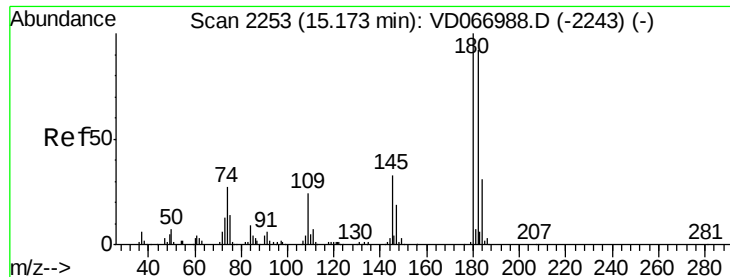
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.583 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066994.D
 Acq: 01 Oct 2020 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	12925		
155	88.8	45.2	135.6	
157	109.5	56.3	168.8	





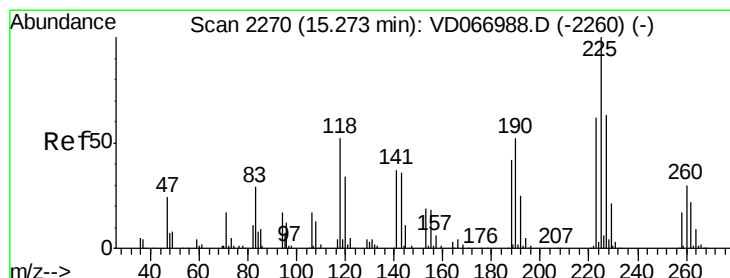
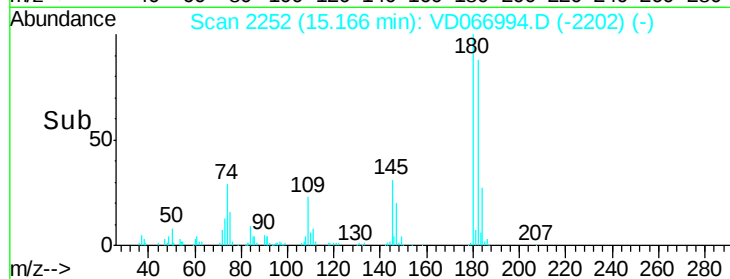
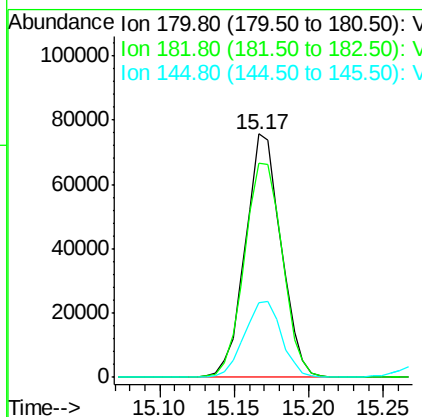
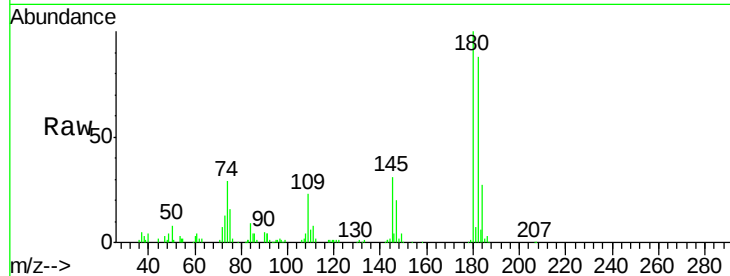
#93
 1,2,4-Trichlorobenzene
 Concen: 20.410 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD066994.D
 Acq: 01 Oct 2020 15:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1001SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	125377		
182	93.6	47.3	142.0	
145	32.7	16.4	49.1	

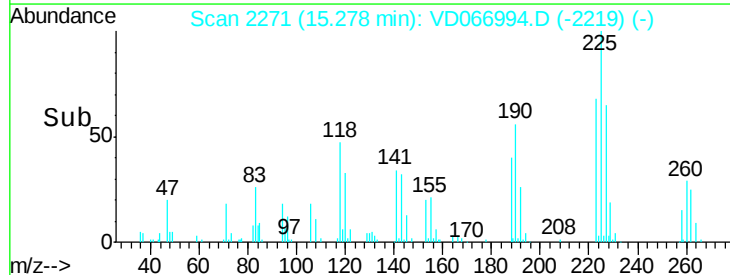
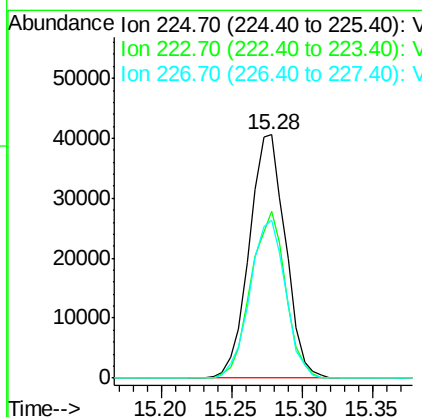
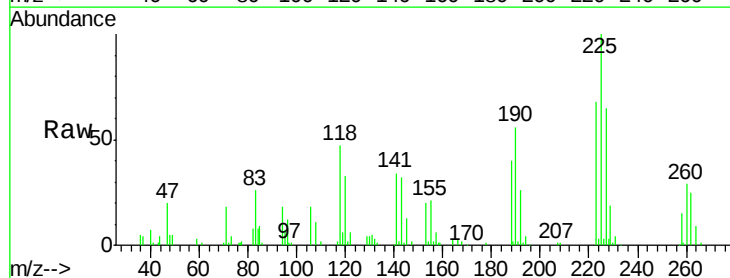
Manual Integrations
 APPROVED

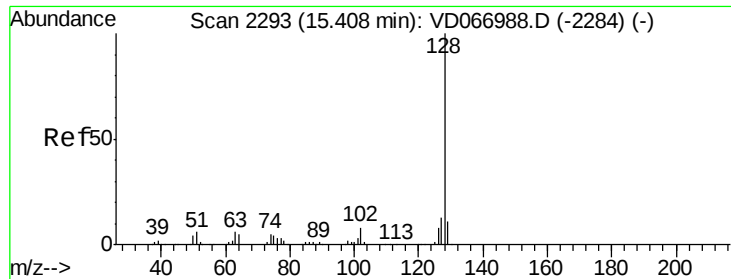
MMDadoda
 10/2/2020 3:13:32 PM



#94
 Hexachlorobutadiene
 Concen: 19.401 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD066994.D
 Acq: 01 Oct 2020 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	73192		
223	65.5	32.4	97.0	
227	63.8	31.6	95.0	





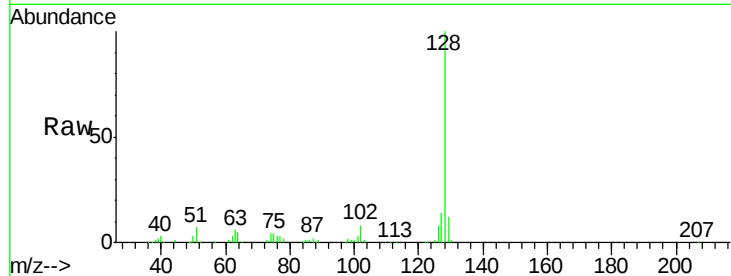
#95
Naphthalene
Concen: 20.373 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/2/2020 3:13:32 PM

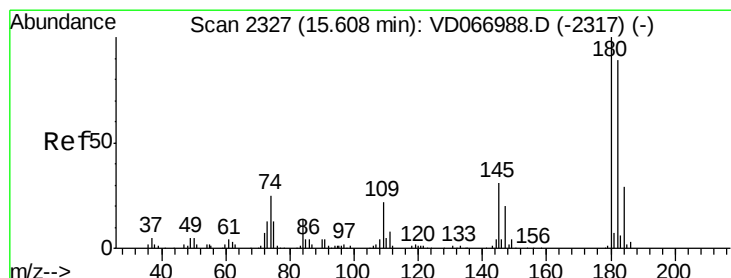
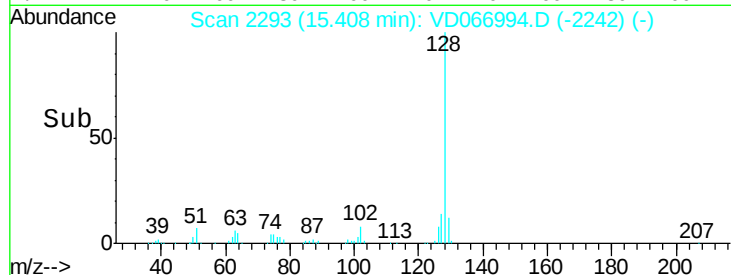
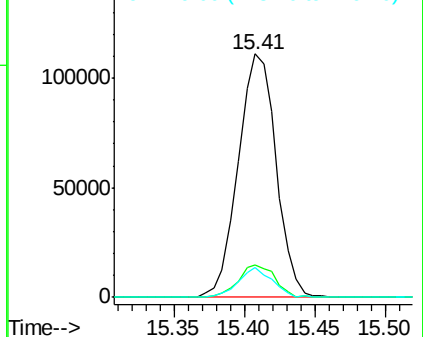


Abundance

Ion 128.00 (127.70 to 128.70): V

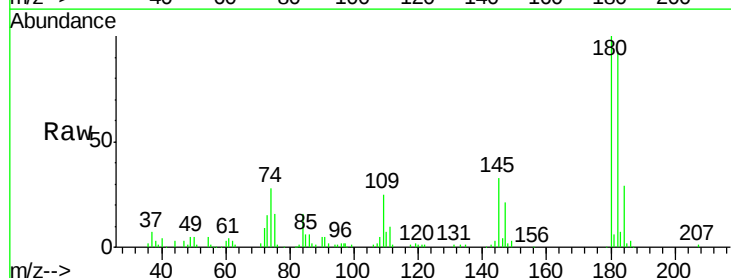
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.967 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD066994.D
Acq: 01 Oct 2020 15:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.3	46.4	139.1
145	32.7	16.6	49.7



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

