

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100220\
 Data File : VD067030.D
 Acq On : 02 Oct 2020 12:47
 Operator : VA/SY
 Sample : VD1002SBSD01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/5/2020 5:34:27 PM

Quant Time: Oct 03 05:00:09 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	462138	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	717562	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	667041	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	326977	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	211334	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	
35) Dibromofluoromethane	7.91	113	228712	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
50) Toluene-d8	10.34	98	858202	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
62) 4-Bromofluorobenzene	12.63	95	285482	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	92512	22.100	ug/l	96
3) Chloromethane	2.21	50	72437	19.682	ug/l	98
4) Vinyl Chloride	2.35	62	73522	19.923	ug/l	96
5) Bromomethane	2.76	94	55432	20.772	ug/l	97
6) Chloroethane	2.92	64	44453	19.780	ug/l	93
7) Trichlorofluoromethane	3.27	101	160848	19.618	ug/l	94
8) Diethyl Ether	3.71	74	38785	19.076	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	94744	20.445	ug/l	100
10) Methyl Iodide	4.30	142	85052	18.889	ug/l	98
11) Tert butyl alcohol	5.21	59	29489	79.998	ug/l #	91
12) 1,1-Dichloroethene	4.07	96	86961	19.962	ug/l	96
13) Acrolein	3.92	56	28258	94.807	ug/l	98
14) Allyl chloride	4.71	41	110623	19.547	ug/l	99
15) Acrylonitrile	5.43	53	71519	95.576	ug/l	98
16) Acetone	4.16	43	65262	96.045	ug/l	95
17) Carbon Disulfide	4.41	76	263760	19.728	ug/l	99
18) Methyl Acetate	4.72	43	33300	19.499	ug/l	91
19) Methyl tert-butyl Ether	5.47	73	150055	18.868	ug/l	92
20) Methylene Chloride	4.97	84	108331	17.779	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	98445	19.857	ug/l	96
22) Diisopropyl ether	6.37	45	211551	20.475	ug/l	94
23) Vinyl Acetate	6.30	43	565814	96.641	ug/l	99
24) 1,1-Dichloroethane	6.27	63	161062	20.199	ug/l	99
25) 2-Butanone	7.21	43	87477	90.804	ug/l	94
26) 2,2-Dichloropropane	7.21	77	144004	18.523	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	105322	19.891	ug/l	100
28) Bromochloromethane	7.55	49	54633	17.742	ug/l	99
29) Tetrahydrofuran	7.56	42	52685	95.112	ug/l	98
30) Chloroform	7.71	83	173597	20.069	ug/l	99
31) Cyclohexane	7.98	56	130558	19.530	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	160002	19.959	ug/l	98
36) 1,1-Dichloropropene	8.11	75	131305	19.632	ug/l	98
37) Ethyl Acetate	7.30	43	45277	19.541	ug/l #	79
38) Carbon Tetrachloride	8.09	117	147764	20.418	ug/l	92

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Manual Integrations
 APPROVED

MMDadoda
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Quant Time: Oct 03 05:00:09 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)
39) Methylcyclohexane	9.36	83	143226	20.254	ug/l	98
40) Benzene	8.35	78	377090	20.298	ug/l	93
41) Methacrylonitrile	7.53	41	28323	22.626	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	101986	19.646	ug/l	100
43) Isopropyl Acetate	8.45	43	85763	20.092	ug/l	99
44) Trichloroethene	9.11	130	111423	20.085	ug/l	95
45) 1,2-Dichloropropane	9.38	63	88469	20.268	ug/l	93
46) Dibromomethane	9.47	93	51260	20.432	ug/l	98
47) Bromodichloromethane	9.66	83	130430	20.000	ug/l	99
48) Methyl methacrylate	9.45	41	41382	18.923	ug/l	93
49) 1,4-Dioxane	9.46	88	10137	387.146	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	206914	97.319	ug/l	99
52) Toluene	10.40	92	251591	21.023	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	114849	19.705	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	140150	19.692	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	70795	20.297	ug/l	96
56) Ethyl methacrylate	10.66	69	71112	19.747	ug/l	98
57) 1,3-Dichloropropane	10.94	76	113473	20.062	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	201337	100.451	ug/l	99
59) 2-Hexanone	10.98	43	135102	95.204	ug/l	100
60) Dibromochloromethane	11.14	129	95783	20.603	ug/l	98
61) 1,2-Dibromoethane	11.24	107	66510	19.848	ug/l	96
64) Tetrachloroethene	10.87	164	97980	20.205	ug/l	96
65) Chlorobenzene	11.67	112	265012	19.976	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	99972	19.810	ug/l	99
67) Ethyl Benzene	11.74	91	453141	19.935	ug/l	99
68) m/p-Xylenes	11.86	106	363169	40.996	ug/l	100
69) o-Xylene	12.18	106	160150	20.216	ug/l	96
70) Styrene	12.20	104	280453	20.617	ug/l	98
71) Bromoform	12.36	173	51666	19.723	ug/l #	96
73) Isopropylbenzene	12.48	105	445018	20.044	ug/l	99
74) N-amyl acetate	12.29	43	74286	18.612	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	72289	19.325	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	46614m	16.367	ug/l	
77) Bromobenzene	12.76	156	106202	19.810	ug/l	99
78) n-propylbenzene	12.83	91	532465	20.293	ug/l	100
79) 2-Chlorotoluene	12.91	91	295969	19.715	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	377930	20.147	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	21059	18.434	ug/l	98
82) 4-Chlorotoluene	13.01	91	317834	19.899	ug/l	100
83) tert-Butylbenzene	13.23	119	304502	19.277	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	379252	20.259	ug/l	98
85) sec-Butylbenzene	13.41	105	445643	20.033	ug/l	100
86) p-Isopropyltoluene	13.52	119	411841	19.969	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	210032	20.114	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	206956	19.821	ug/l	99
89) n-Butylbenzene	13.85	91	363134	19.266	ug/l	99
90) Hexachloroethane	14.11	117	70767	19.589	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	180102	19.749	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10957	18.171	ug/l	99

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ClientSampleId :
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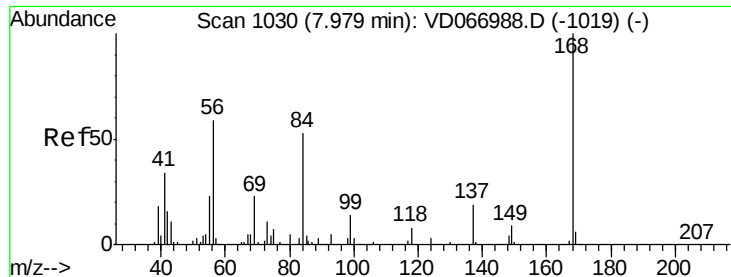
Manual Integrations
APPROVED

MMDadoda
10/5/2020 5:34:27 PM

Quant Time: Oct 03 05:00:09 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)
93) 1,2,4-Trichlorobenzene	15.17	180	113140	19.180	ug/l	98
94) Hexachlorobutadiene	15.28	225	68240	18.837	ug/l	99
95) Naphthalene	15.41	128	175013	17.787	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	95787	18.706	ug/l	95

(#) = 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: VD067030.D

Acq: 02 Oct 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBSD01

Tot Ion:168 Resp: 462138

Ion Ratio Lower Upper

168 100

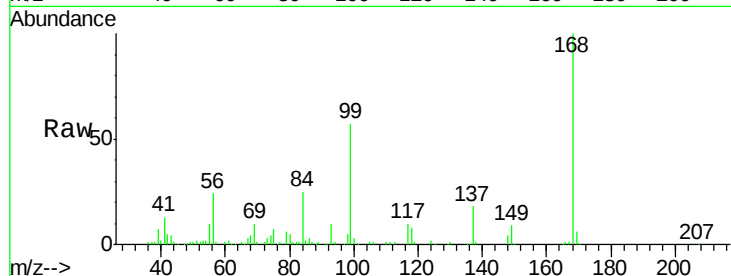
99 56.6 44.1 66.1

Manual Integrations

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10/5/2020 5:34:27 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

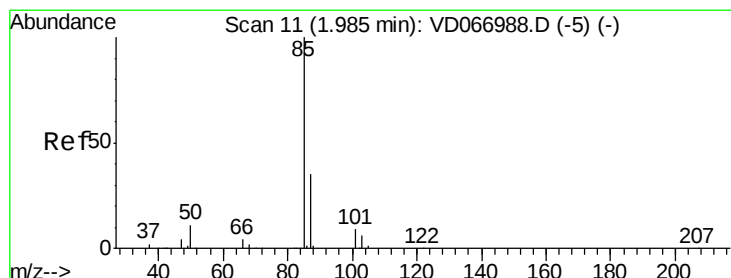
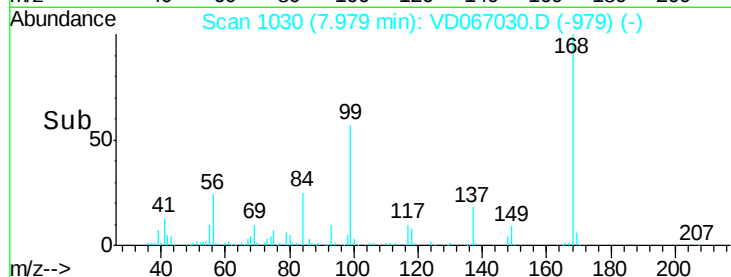
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.100 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067030.D

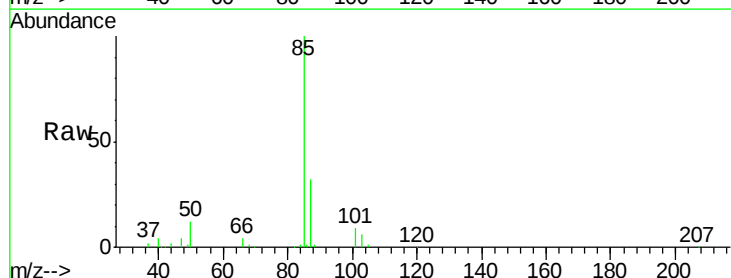
Acq: 02 Oct 2020 12:47

Tgt Ion: 85 Resp: 92512

Ion Ratio Lower Upper

85 100

87 32.3 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

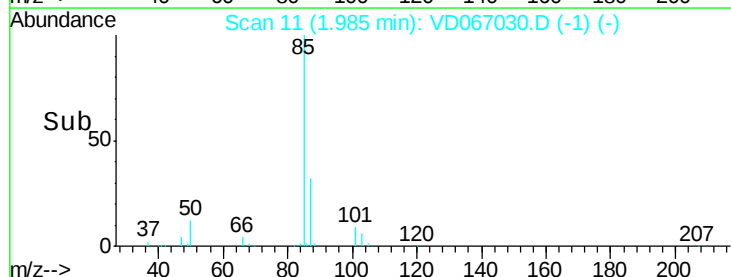
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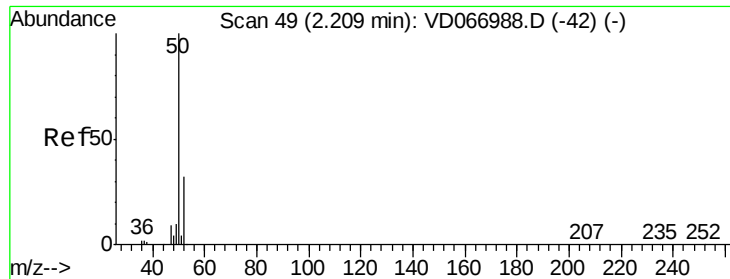
20000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 19.682 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBSD01

Tot Ion: 50 Resp: 72437

Ion Ratio Lower Upper

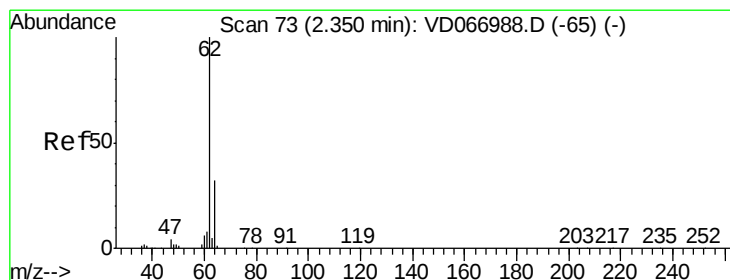
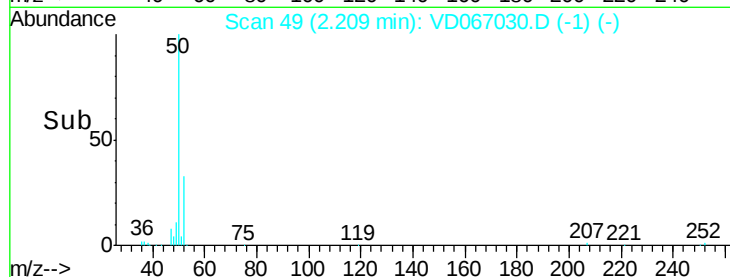
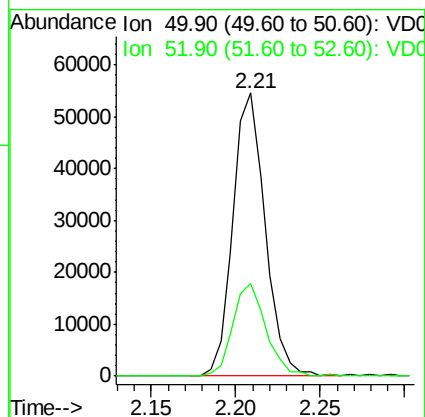
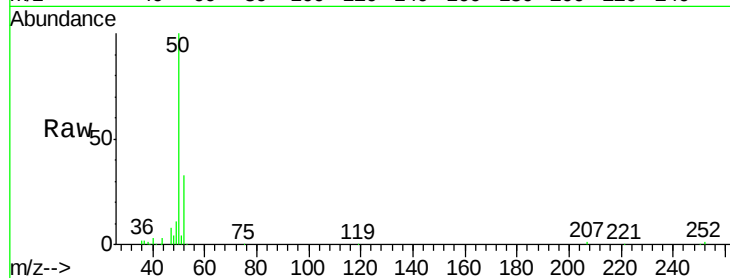
50 100

52 32.9 25.3 37.9

Manual Integrations
APPROVED

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#4

Vinyl Chloride

Concen: 19.923 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067030.D

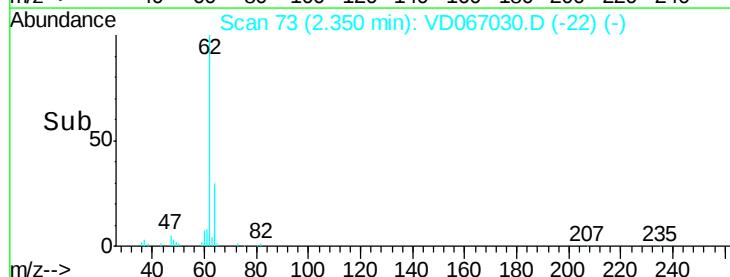
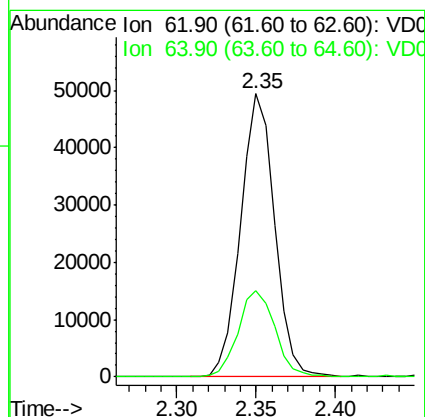
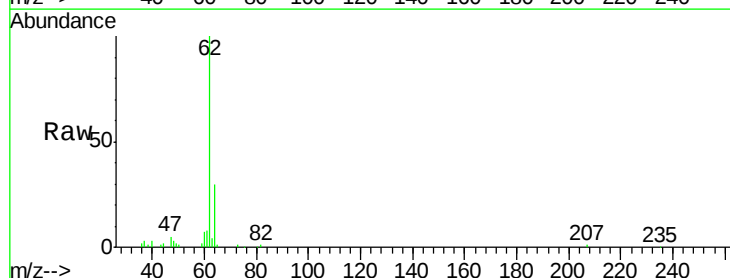
Acq: 02 Oct 2020 12:47

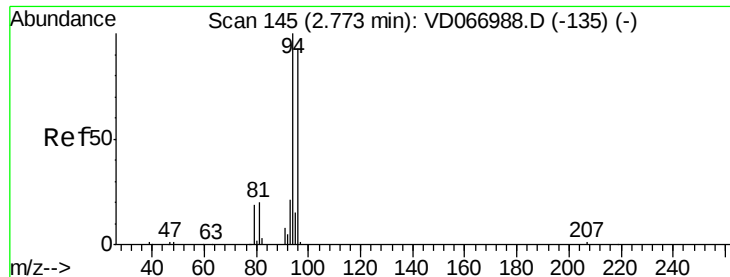
Tgt Ion: 62 Resp: 73522

Ion Ratio Lower Upper

62 100

64 30.3 25.8 38.8





#5

Bromomethane

Concen: 20.772 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBS01

Tot Ion: 94 Resp: 55432

Ion Ratio Lower Upper

94 100

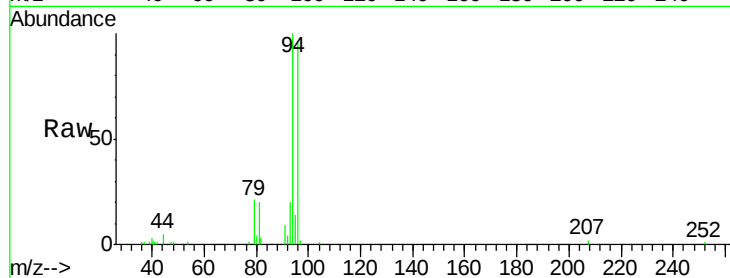
96 96.3 74.6 112.0

Manual Integrations

APPROVED

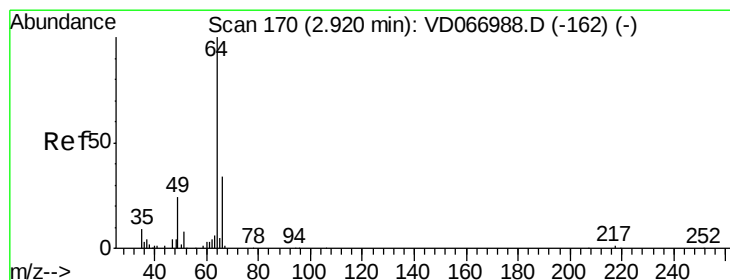
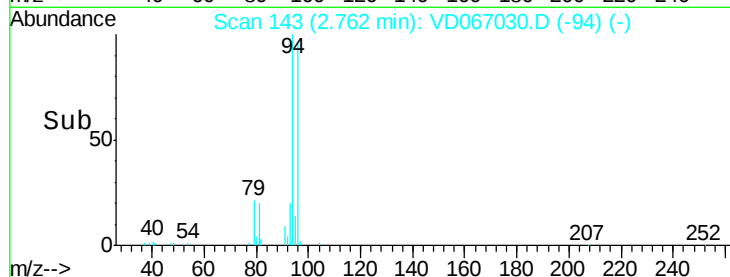
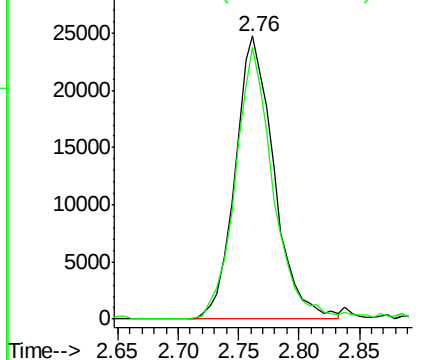
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.780 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067030.D

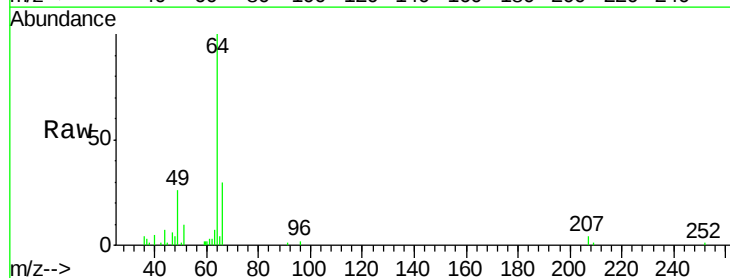
Acq: 02 Oct 2020 12:47

Tgt Ion: 64 Resp: 44453

Ion Ratio Lower Upper

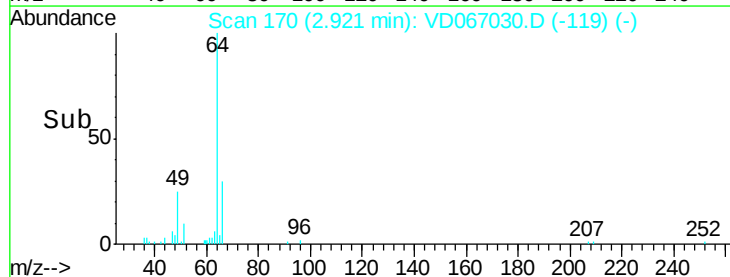
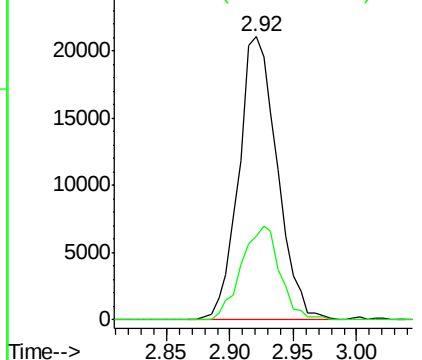
64 100

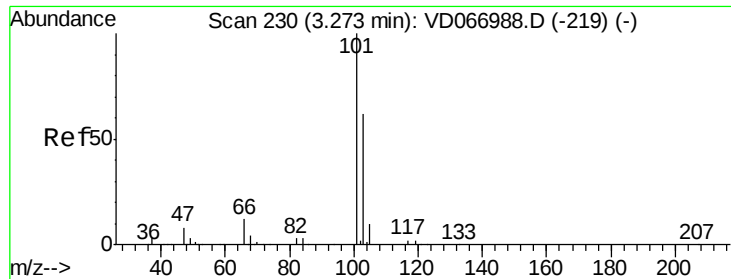
66 29.6 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

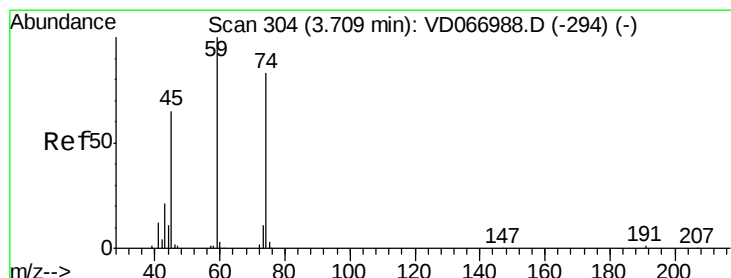
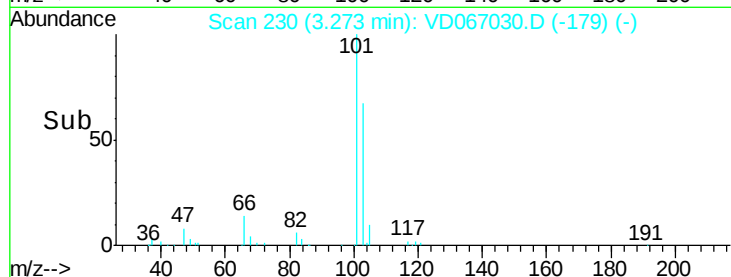
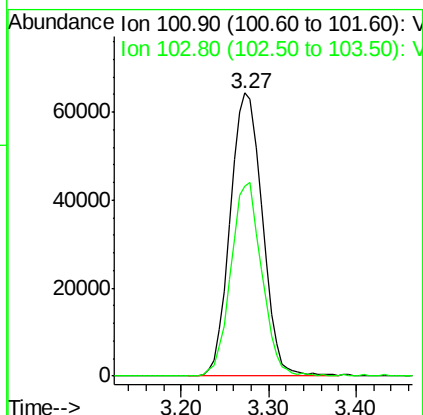
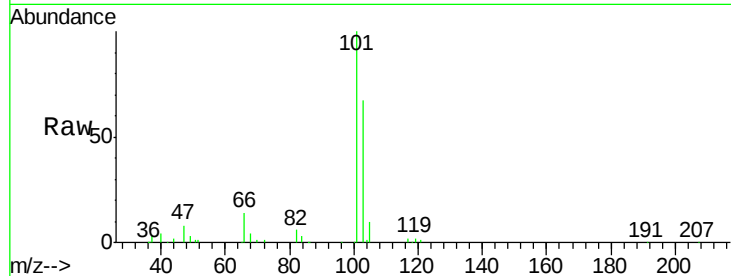
Trichlorofluoromethane
Concen: 19.618 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.1	49.8	74.8

Manual Integrations
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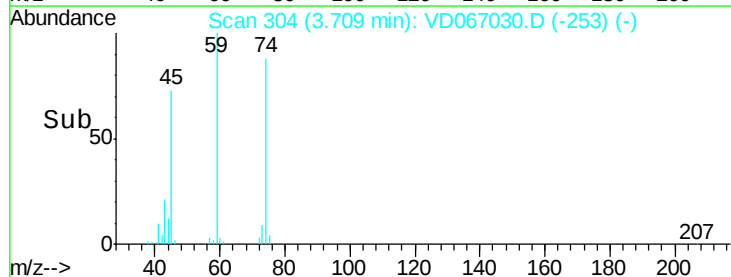
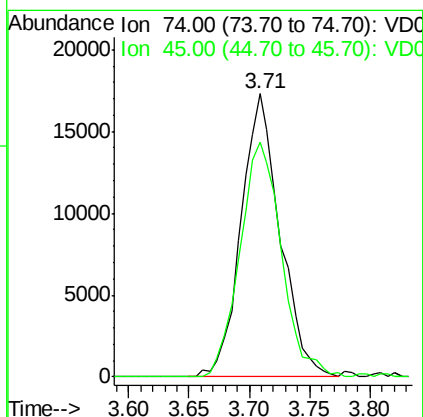
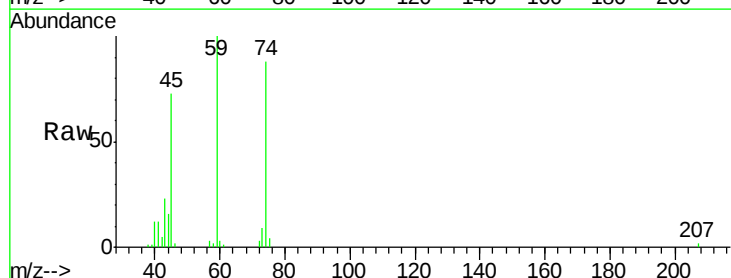
MMDadoda
10/5/2020 5:34:27 PM

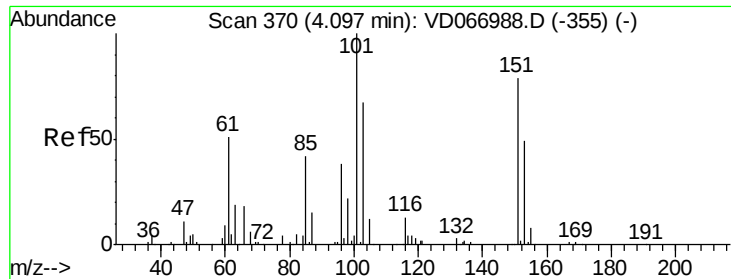


#8

Diethyl Ether
Concen: 19.076 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.6	43.1	129.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.445 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Instrument :

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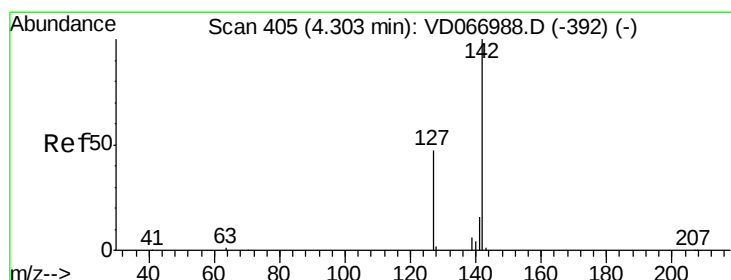
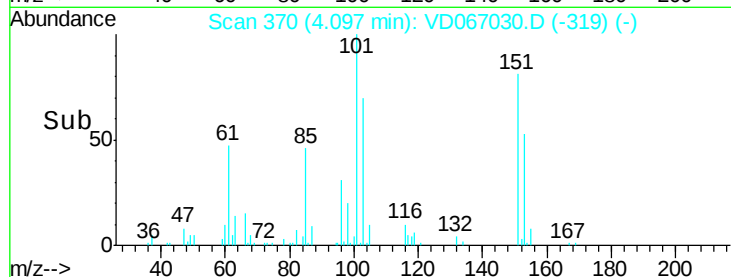
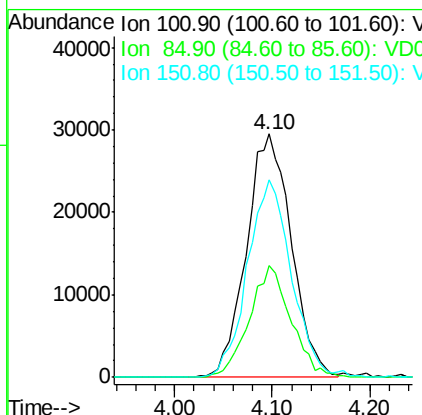
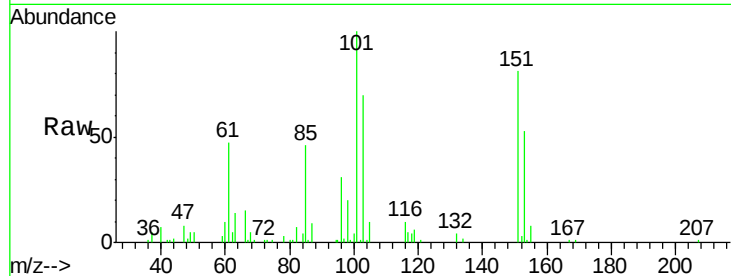
ClientSampleId :

VD1002SBSD01

Tot Ion:	101	Resp:	94744
Ion Ratio	Lower	Upper	
101	100		
85	42.4	33.8	50.8
151	80.0	63.8	95.8

Manual Integrations
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MMDadoda
10/5/2020 5:34:27 PM



#10

Methyl Iodide

Concen: 18.889 ug/l

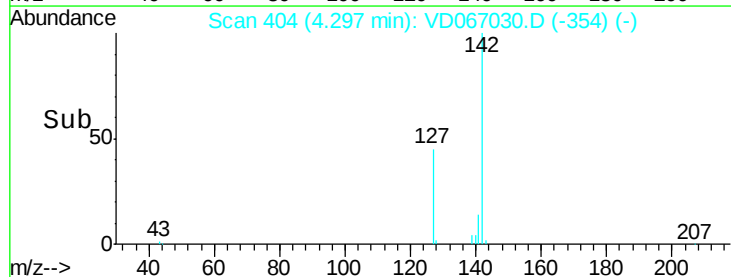
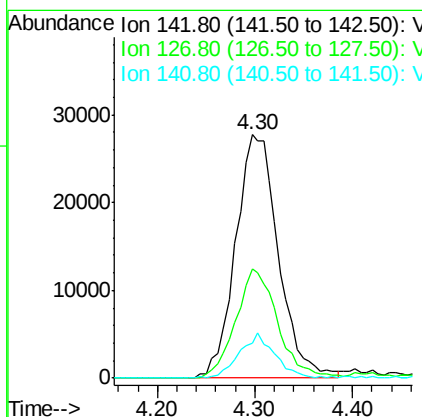
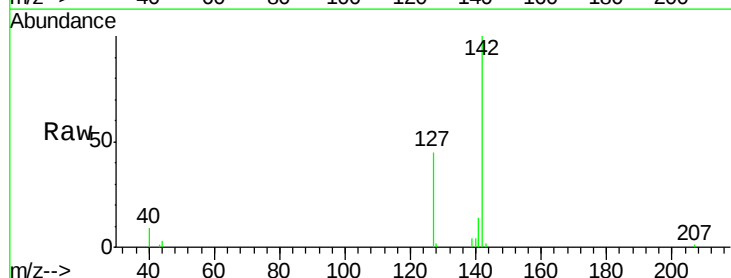
RT: 4.30 min Scan# 404

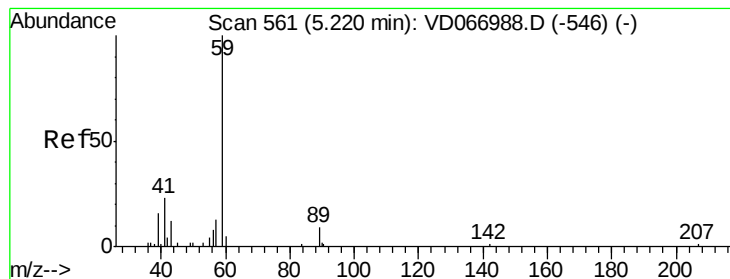
Delta R.T. -0.01 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Tgt Ion:	142	Resp:	85052
Ion Ratio	Lower	Upper	
142	100		
127	44.0	36.3	54.5
141	15.2	12.0	18.0





#11

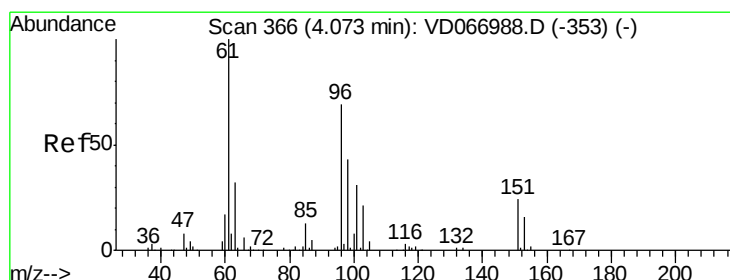
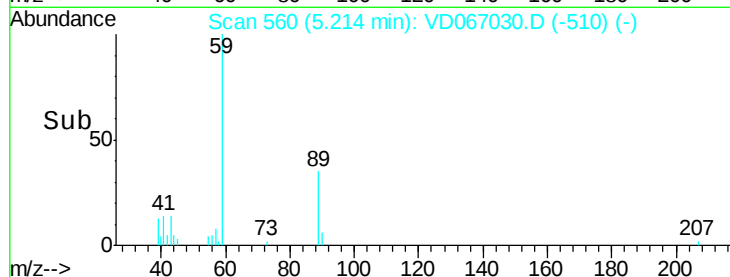
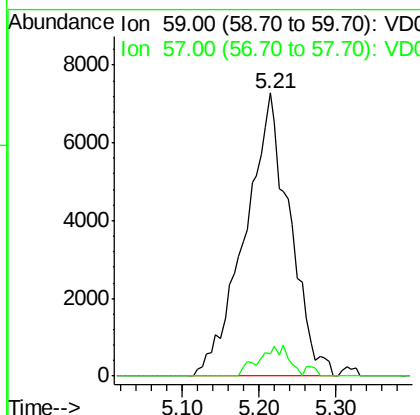
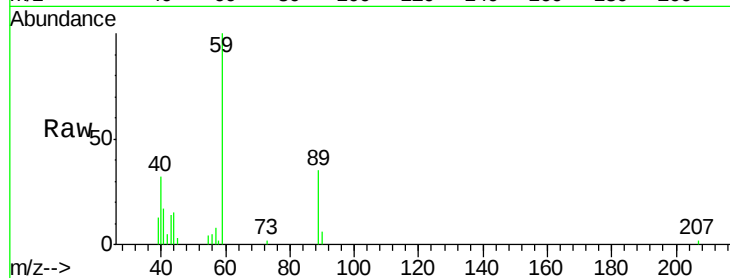
Tert butyl alcohol
Concen: 79.998 ug/l
RT: 5.21 min Scan# 560
Delta R.T. -0.01 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion	59	57	Ratio	100	7.1	Resp	29489	Lower	8.2	Upper	12.4#
Ion	59	57	Ratio	100	7.1	Resp	29489	Lower	8.2	Upper	12.4#

Manual Integrations
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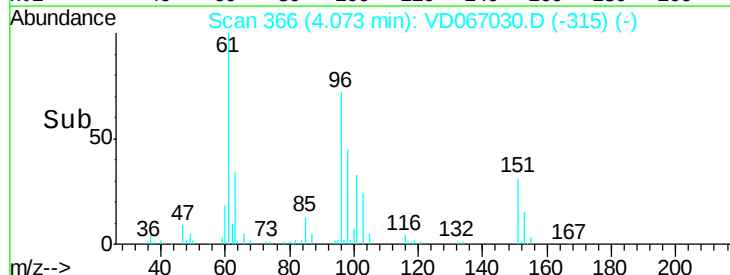
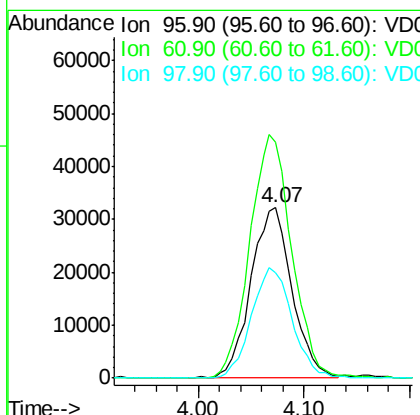
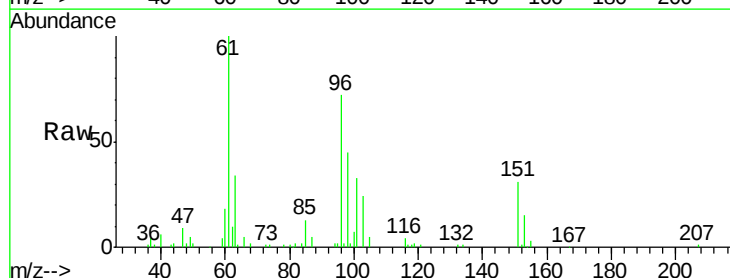
MMDadoda
10/5/2020 5:34:27 PM

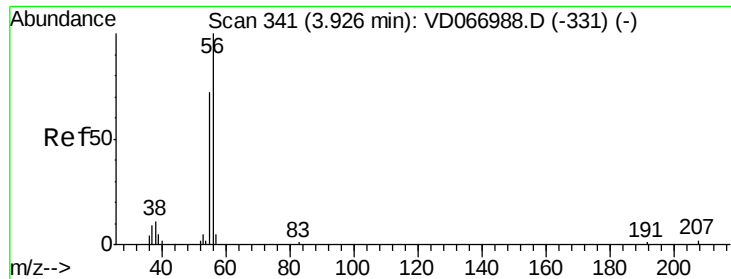


#12

1,1-Dichloroethene
Concen: 19.962 ug/l
RT: 4.07 min Scan# 366
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Tgt Ion	96	61	98	Ratio	100	138.5	61.9	Resp	86961	Lower	116.4	49.9	Upper	174.6	74.9
Ion	96	61	98	Ratio	100	138.5	61.9	Resp	86961	Lower	116.4	49.9	Upper	174.6	74.9





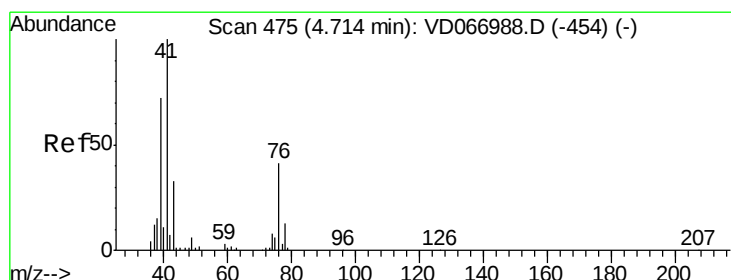
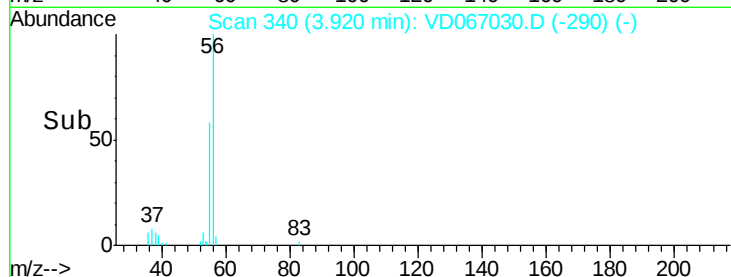
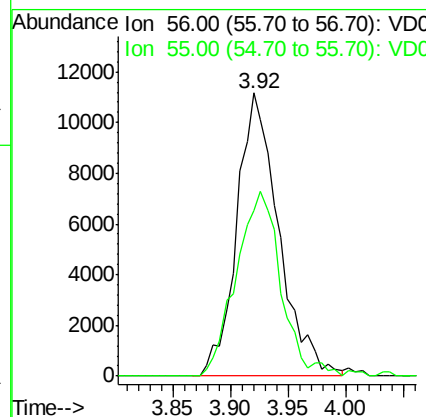
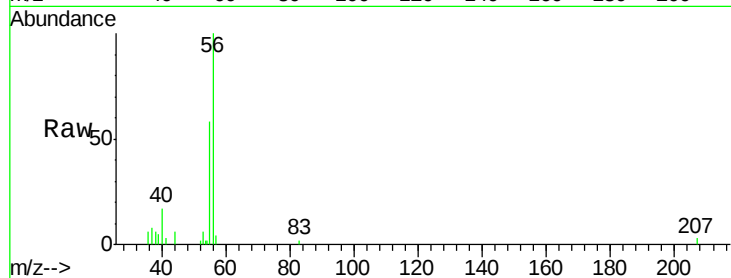
#13
Acrolein
Concen: 94.807 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.2	56.9	85.3

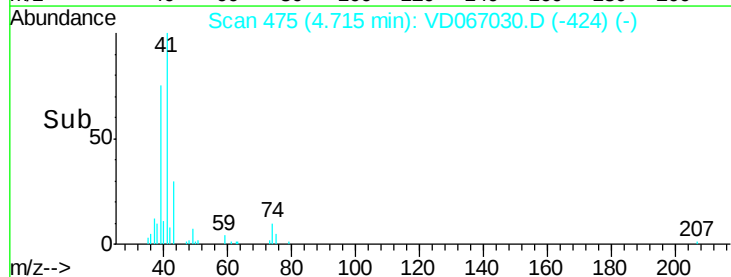
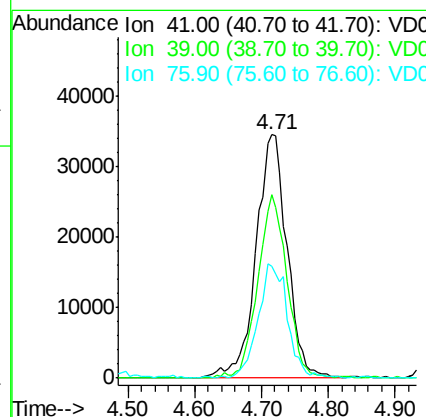
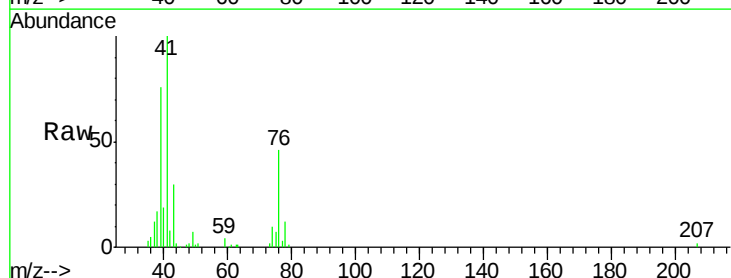
Manual Integrations
APPROVED

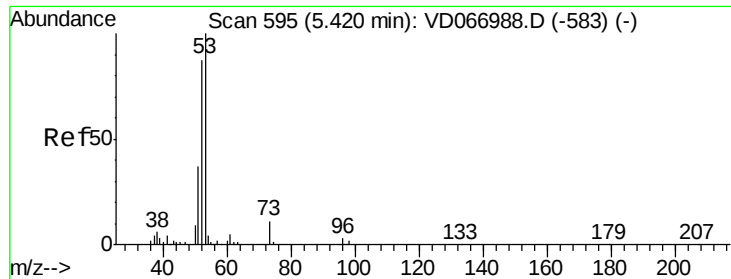
MMDadoda
10/5/2020 5:34:27 PM



#14
Allyl chloride
Concen: 19.547 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Tgt Ion	Ratio	Lower	Upper
41	100		
39	70.0	56.2	84.2
76	44.4	34.2	51.2





#15

Acrylonitrile

Concen: 95.576 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Instrument :

MSVOA_D

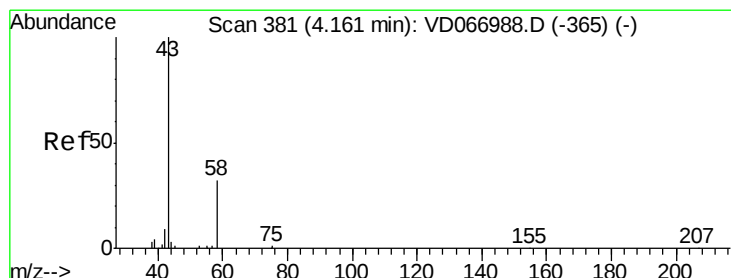
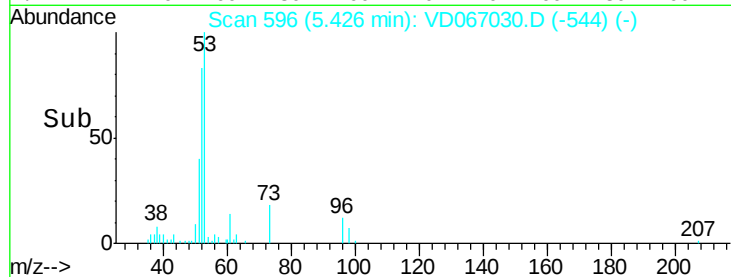
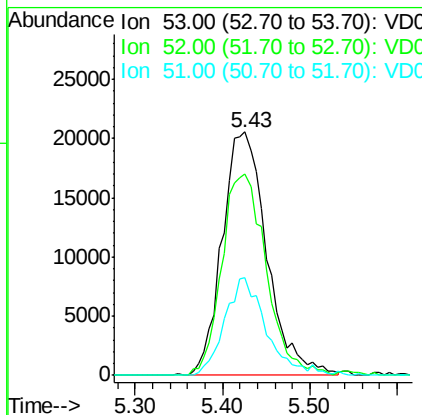
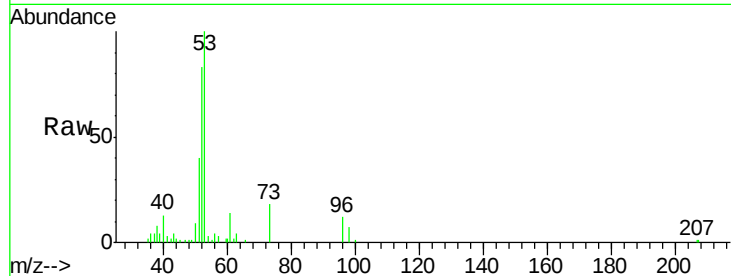
ClientSampleId :

VD1002SBS01

Tot Ion:	53	Resp:	71519
Ion	Ratio	Lower	Upper
53	100		
52	82.0	67.3	100.9
51	36.3	30.2	45.2

Manual Integrations
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#16

Acetone

Concen: 96.045 ug/l

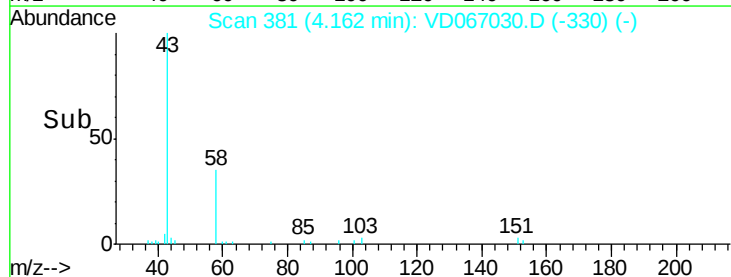
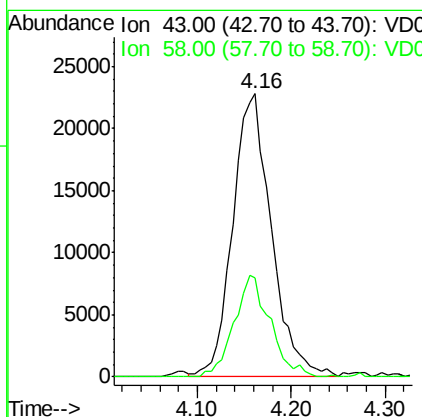
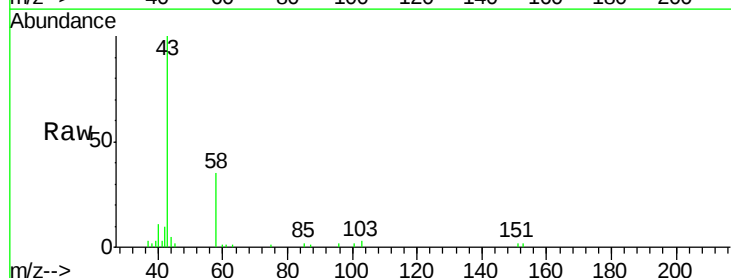
RT: 4.16 min Scan# 381

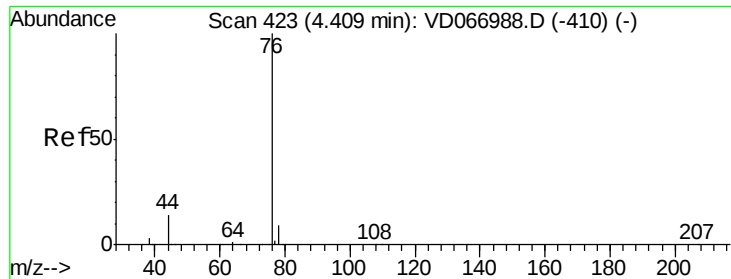
Delta R.T. 0.00 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Tgt Ion:	43	Resp:	65262
Ion	Ratio	Lower	Upper
43	100		
58	35.0	25.9	38.9





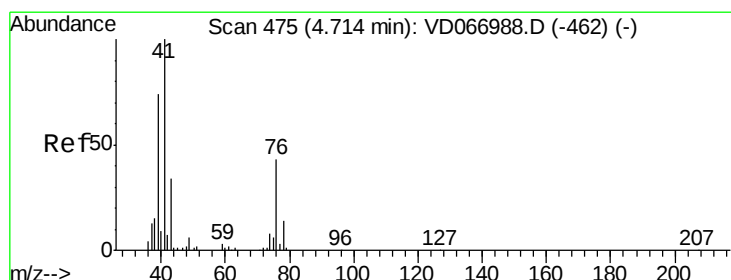
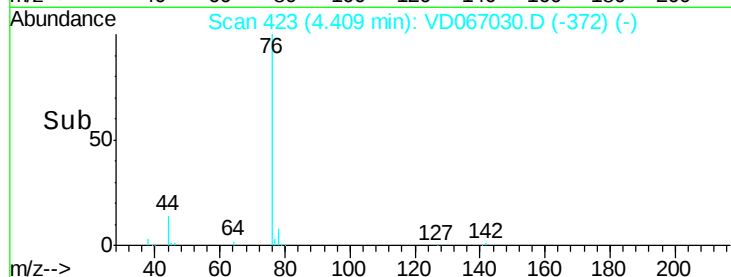
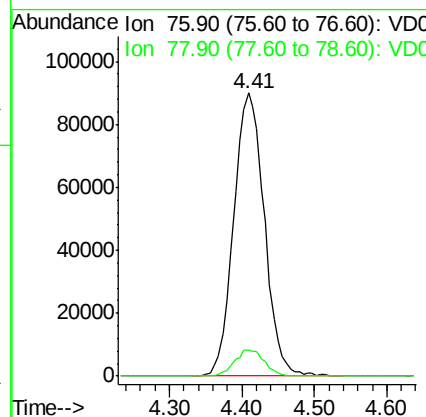
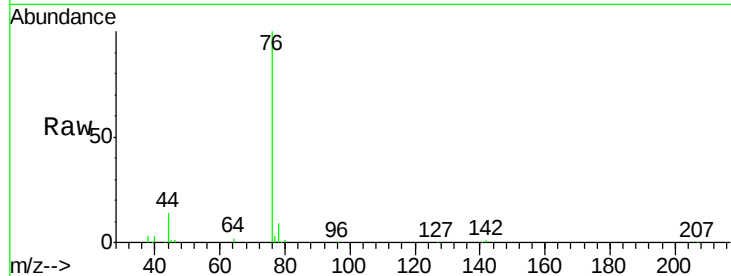
#17
Carbon Disulfide
Concen: 19.728 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.5	11.3

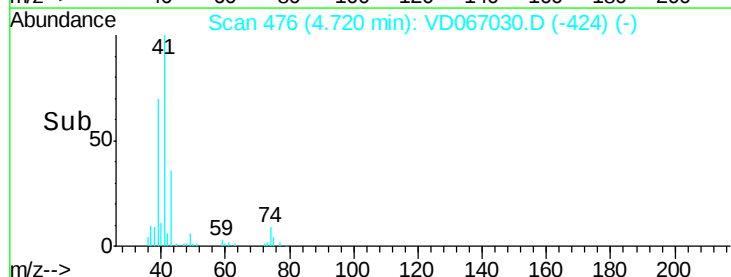
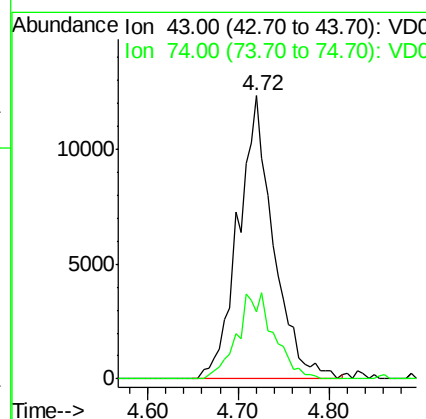
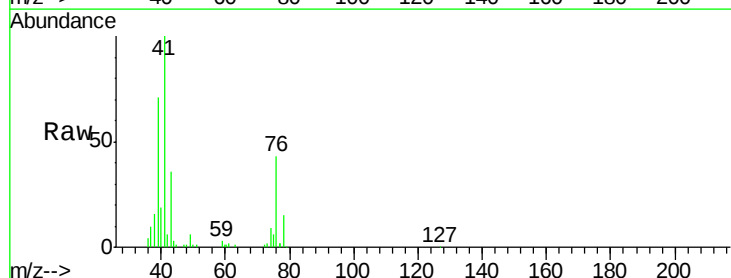
Manual Integrations
APPROVED

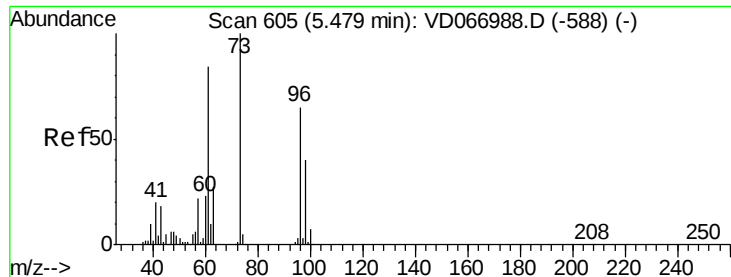
MMDadoda
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#18
Methyl Acetate
Concen: 19.499 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	31.7	21.5	32.3





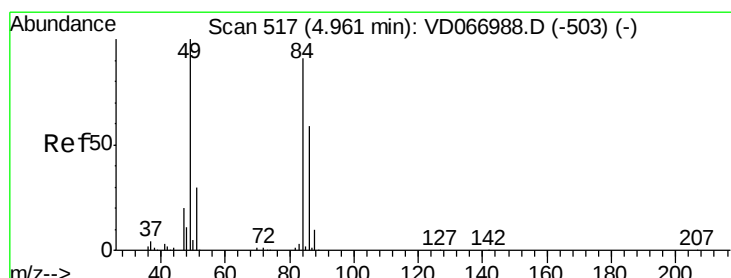
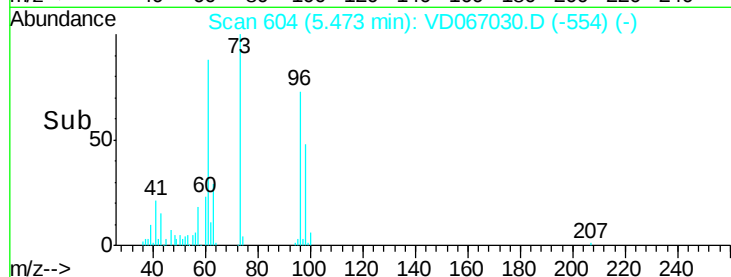
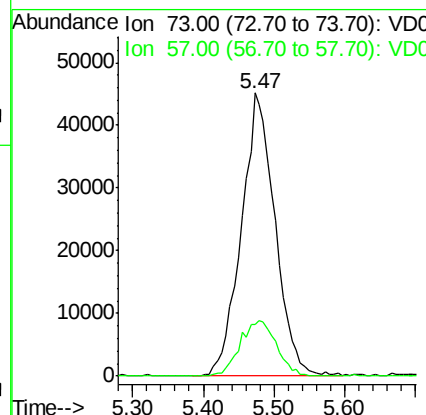
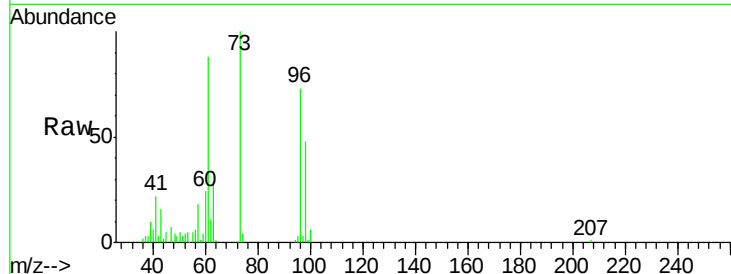
#19
Methvl tert-butvl Ether
Concen: 18.868 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion: 73 Resp: 150055
Ion Ratio Lower Upper
73 100
57 18.1 17.4 26.0

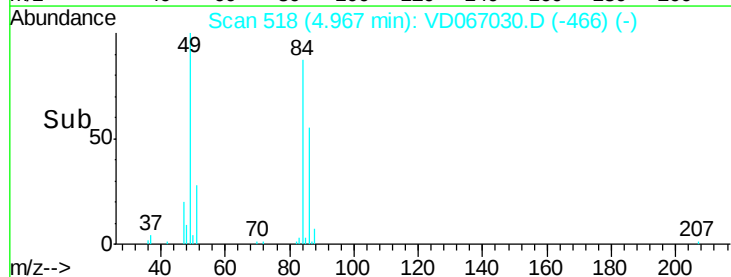
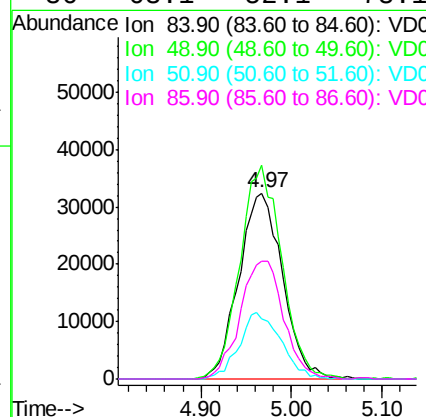
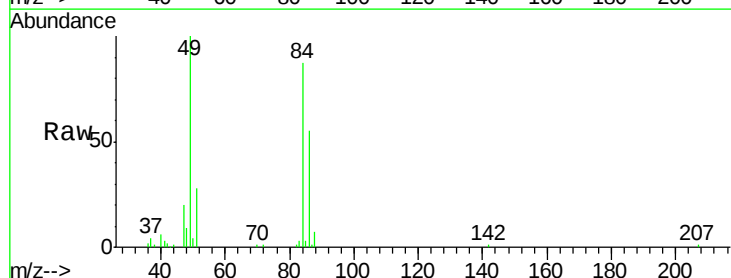
Manual Integrations
APPROVED

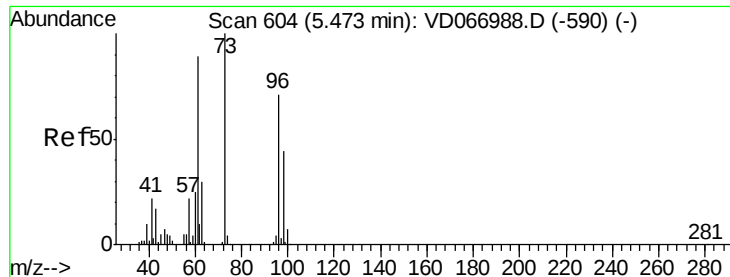
MMDadoda
10/5/2020 5:34:27 PM



#20
Methylene Chloride
Concen: 17.779 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Tgt Ion: 84 Resp: 108331
Ion Ratio Lower Upper
84 100
49 114.8 88.2 132.2
51 32.0 26.6 39.8
86 63.1 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 19.857 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Instrument :

MSVOA_D

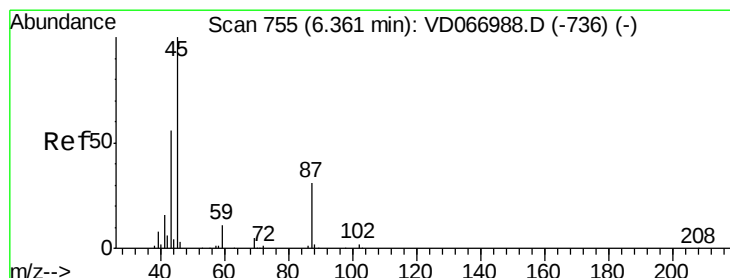
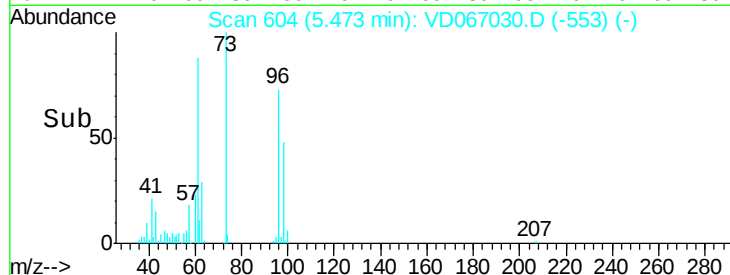
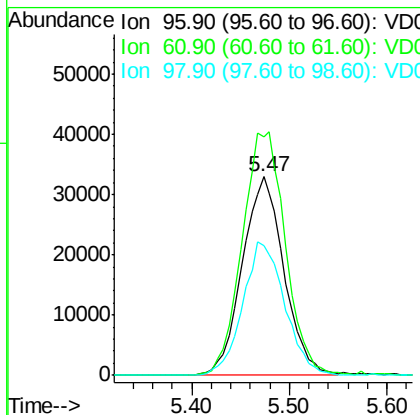
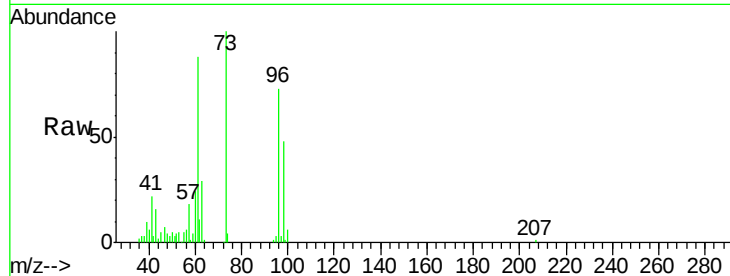
ClientSampleId :

VD1002SBSD01

Tot Ion:	96	Resp:	98445
Ion	Ratio	Lower	Upper
96	100		
61	120.2	99.6	149.4
98	65.3	49.4	74.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.475 ug/l

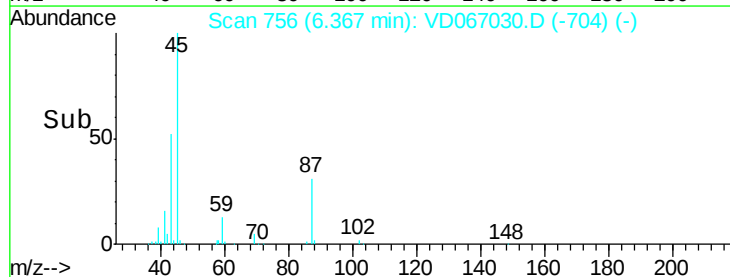
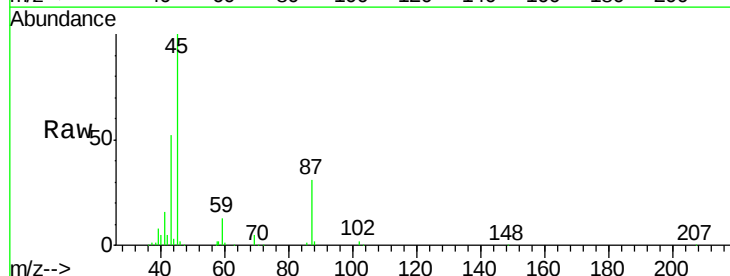
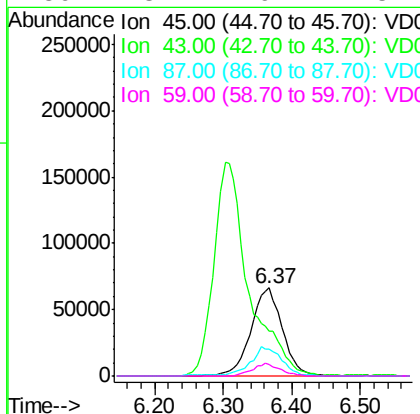
RT: 6.37 min Scan# 756

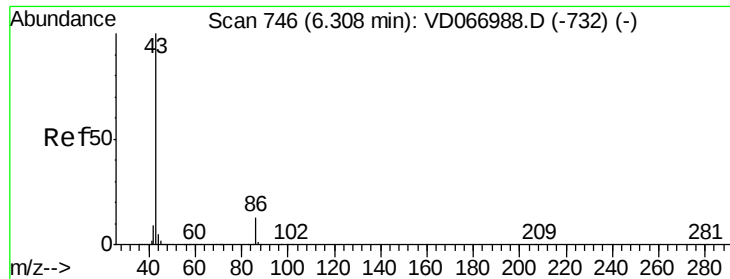
Delta R.T. 0.01 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Tgt Ion:	45	Resp:	211551
Ion	Ratio	Lower	Upper
45	100		
43	50.5	45.2	67.8
87	30.8	25.6	38.4
59	13.1	9.1	13.7





#23

Vinyl Acetate

Concen: 96.641 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBS01

Tot Ion: 43 Resp: 565814

Ion Ratio Lower Upper

43 100

86 12.2

10.2

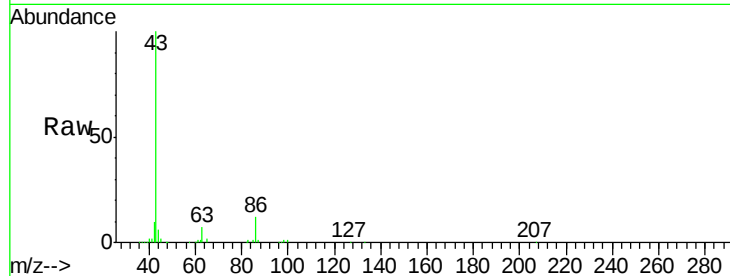
15.2

Manual Integrations

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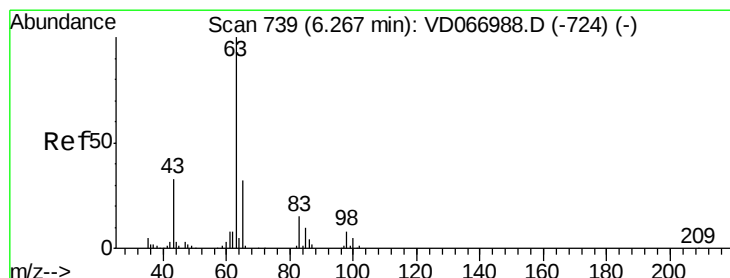
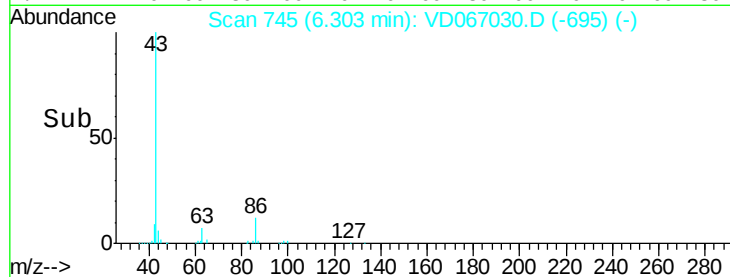
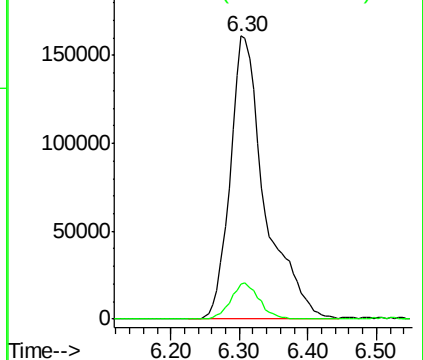
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.199 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Tgt Ion: 63 Resp: 161062

Ion Ratio Lower Upper

63 100

98 8.7

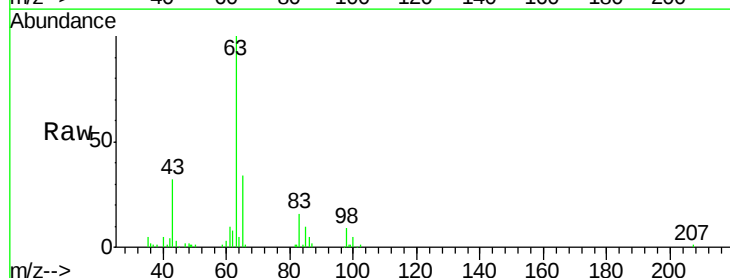
4.2

12.6

100 4.8

2.6

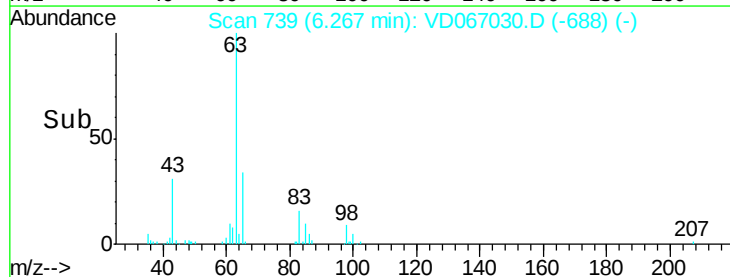
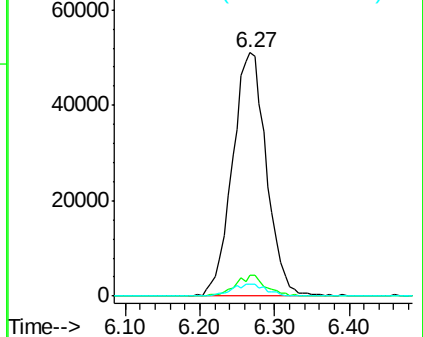
7.8

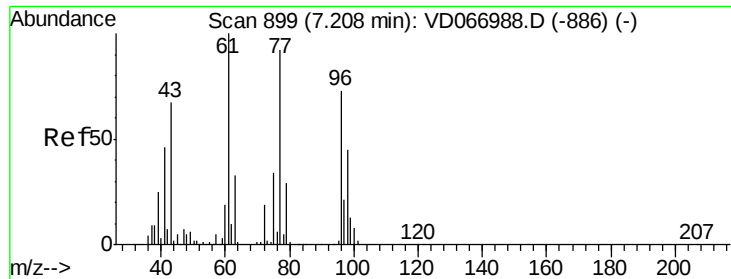


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





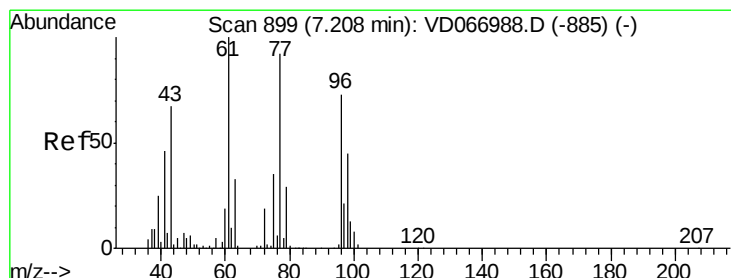
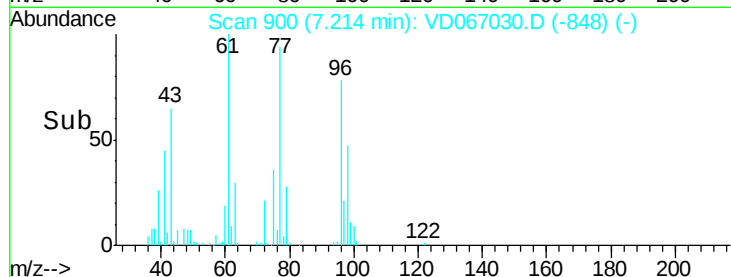
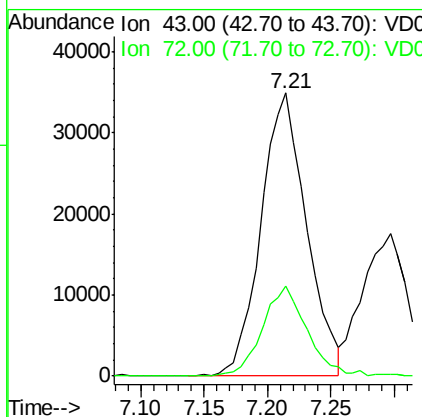
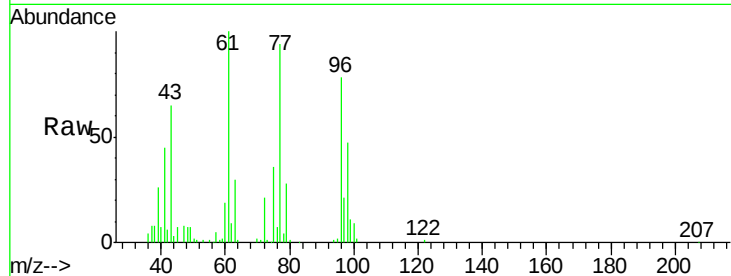
#25
2-Butanone
Concen: 90.804 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion: 43 Resp: 87477
Ion Ratio Lower Upper
43 100
72 31.8 22.8 34.2

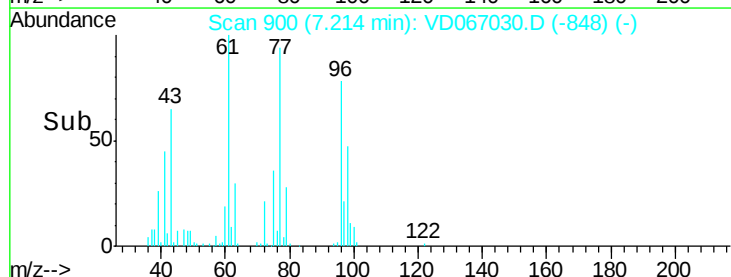
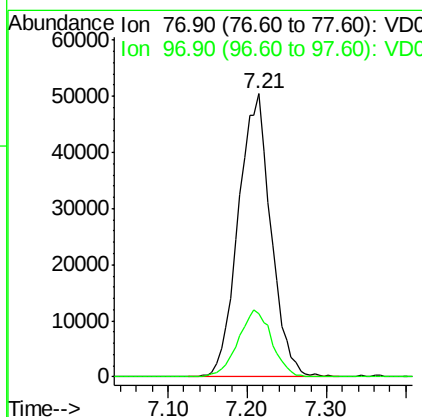
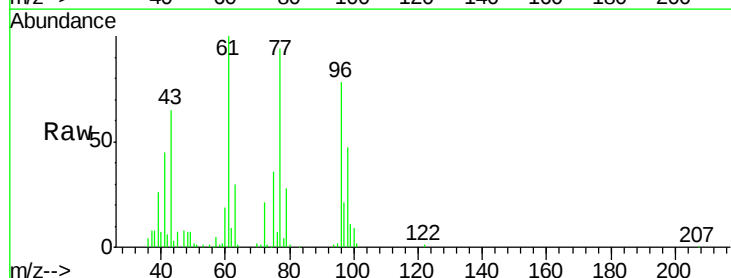
Manual Integrations
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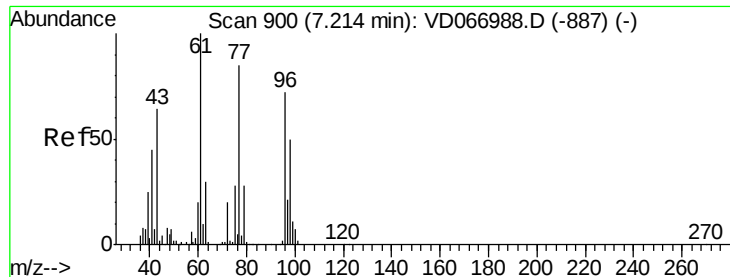
MMDadoda
10/5/2020 5:34:27 PM



#26
2,2-Dichloropropane
Concen: 18.523 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Tgt Ion: 77 Resp: 144004
Ion Ratio Lower Upper
77 100
97 24.3 11.4 34.2





#27

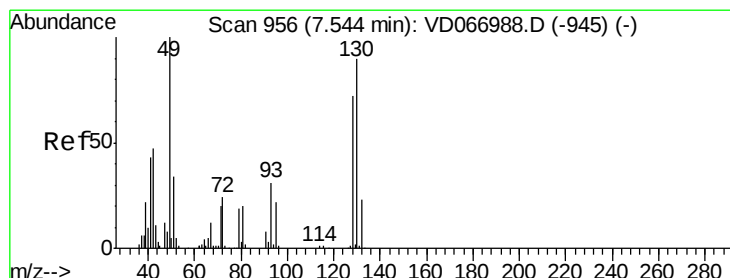
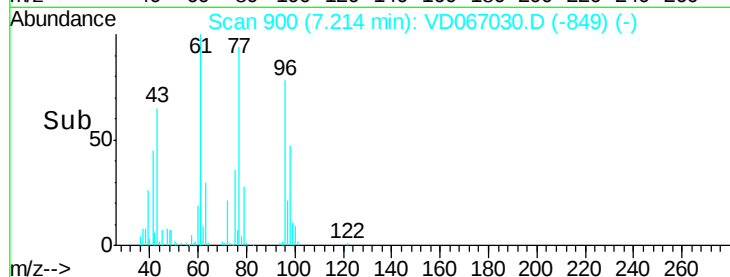
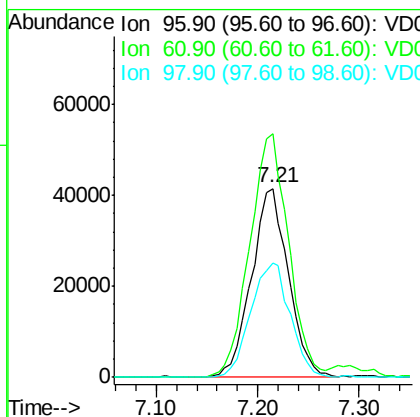
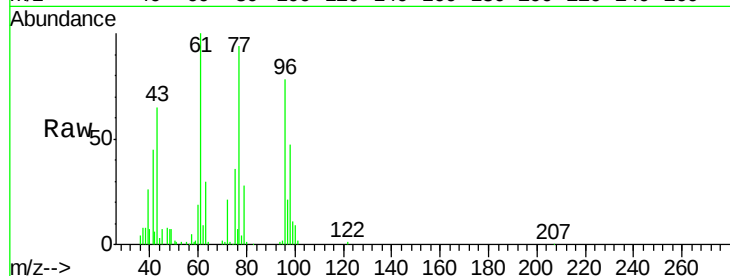
cis-1,2-Dichloroethene
Concen: 19.891 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	135.3	0.0	269.2	
98	64.5	0.0	129.4	

Manual Integrations
APPROVED

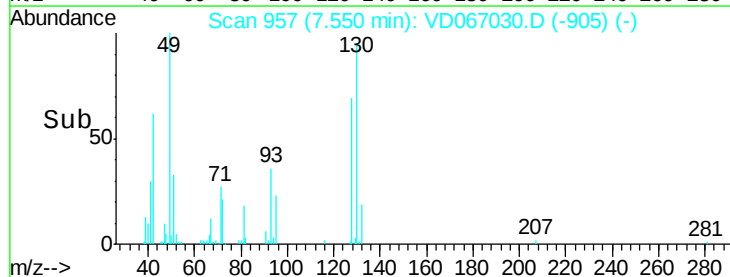
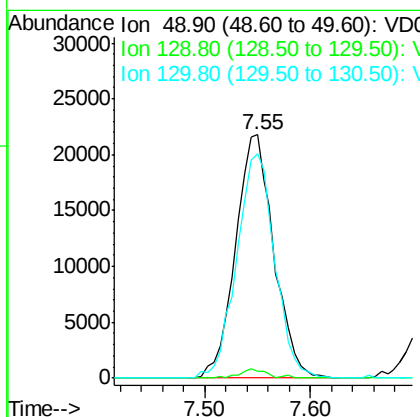
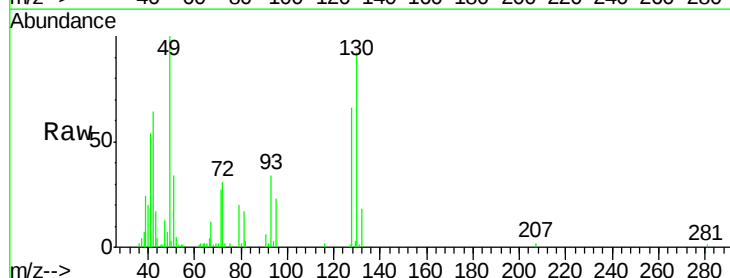
MMDadoda
10/5/2020 5:34:27 PM

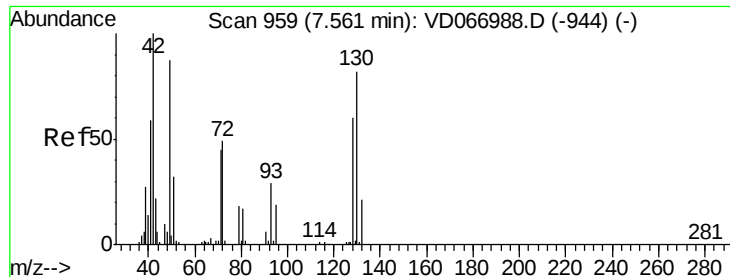


#28

Bromochloromethane
Concen: 17.742 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	4.6	
130	91.9	74.1	111.1	





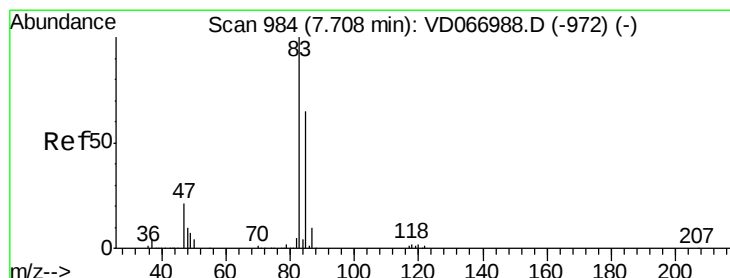
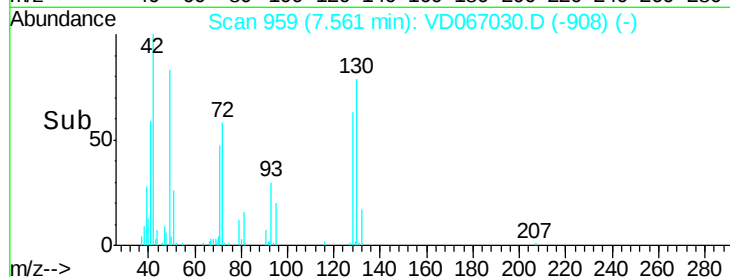
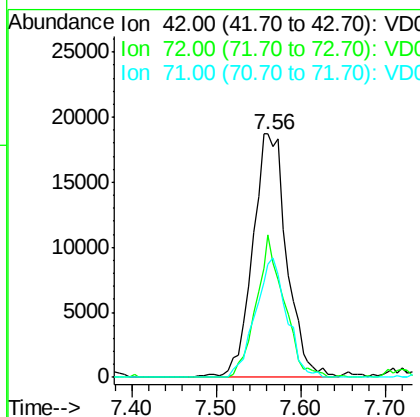
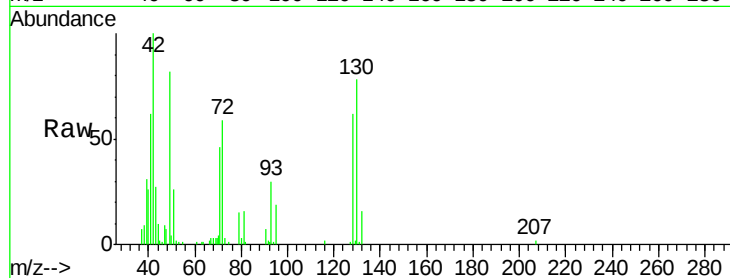
#29
Tetrahydrofuran
Concen: 95.112 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.7	39.1	58.7
71	44.8	34.2	51.4

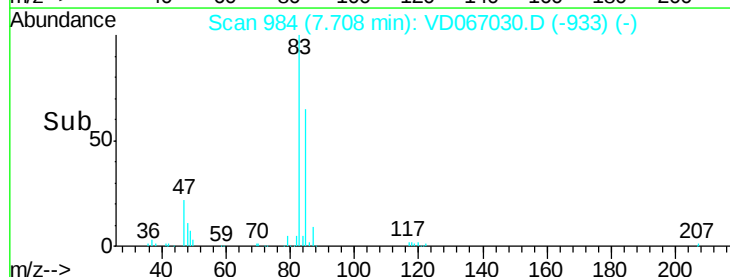
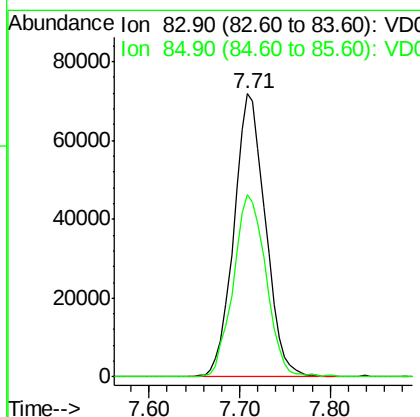
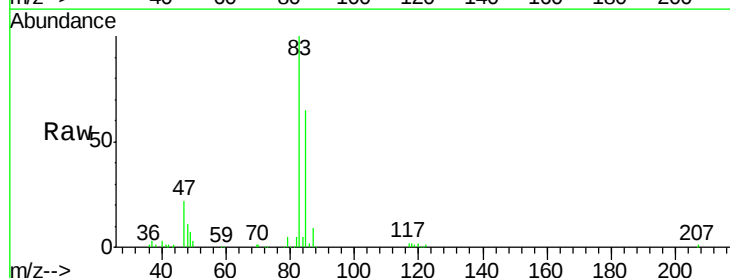
Manual Integrations
APPROVED

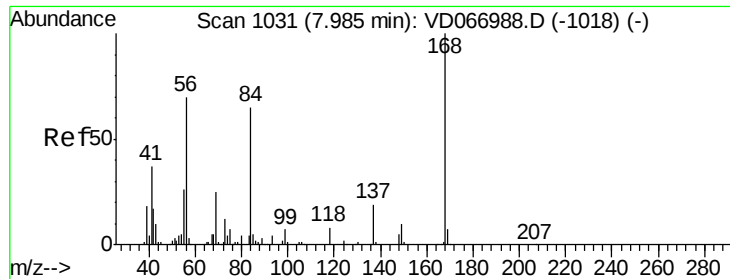
MMDadoda
10/5/2020 5:34:27 PM



#30
Chloroform
Concen: 20.069 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.3	78.5





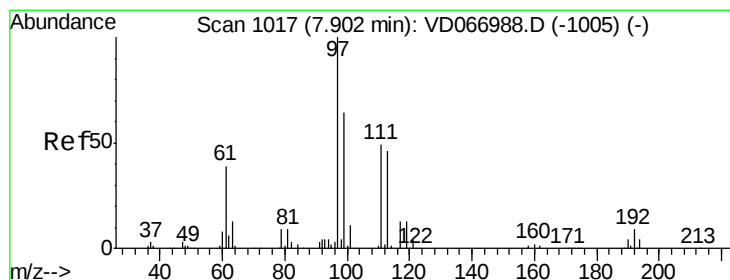
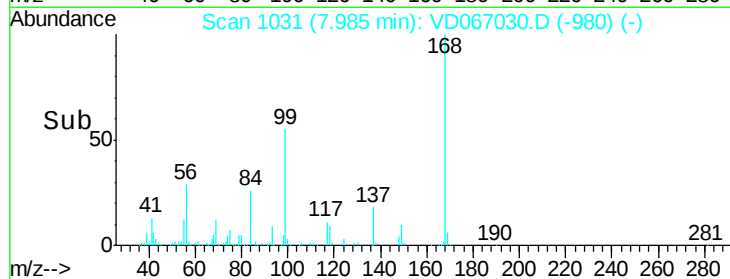
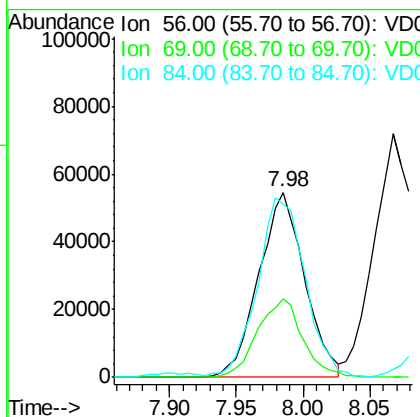
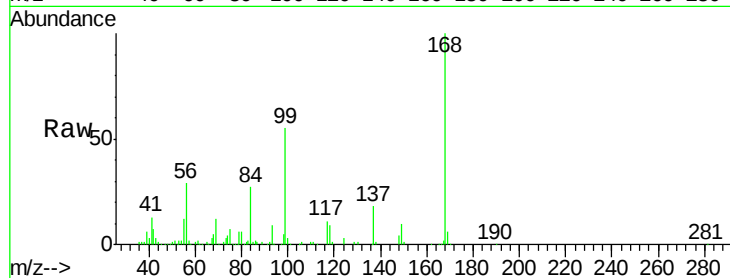
#31
Cyclohexane
Concen: 19.530 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	41.8	29.0	43.6
84	91.7	74.2	111.2

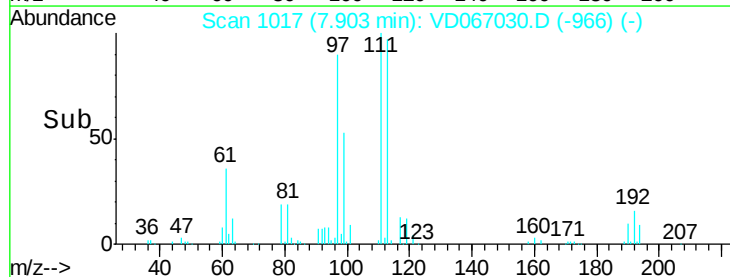
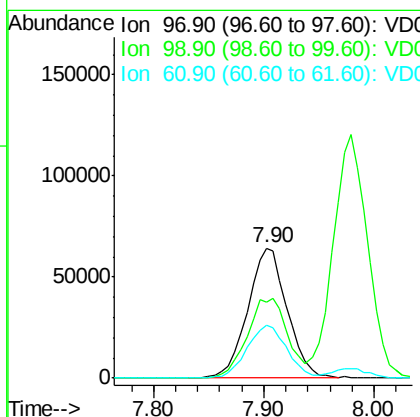
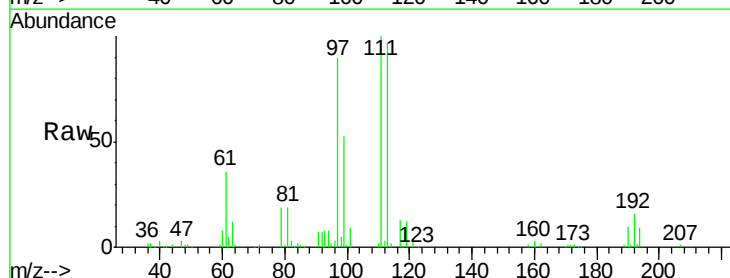
Manual Integrations
APPROVED

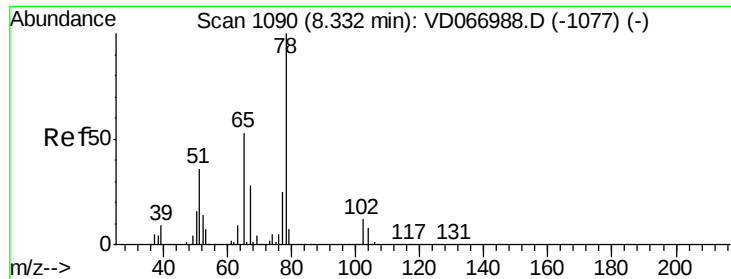
MMDadoda
10/5/2020 5:34:27 PM



#32
1,1,1-Trichloroethane
Concen: 19.959 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	52.6	78.8
61	41.2	32.8	49.2





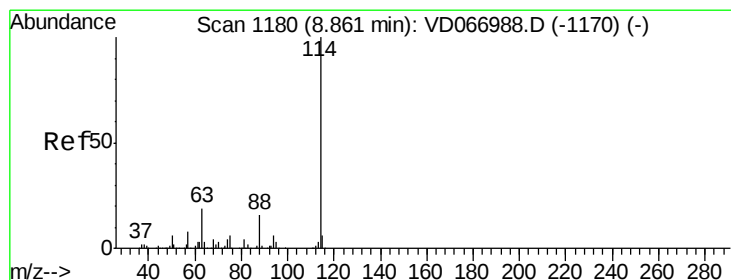
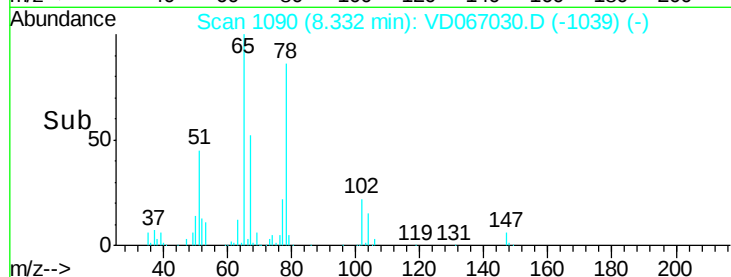
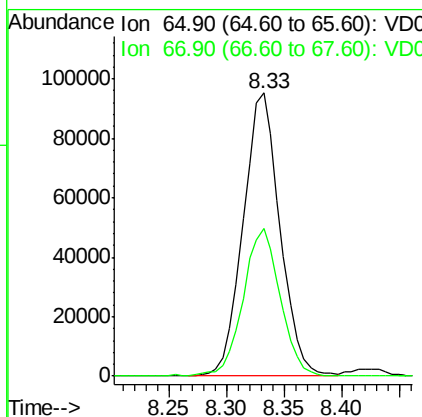
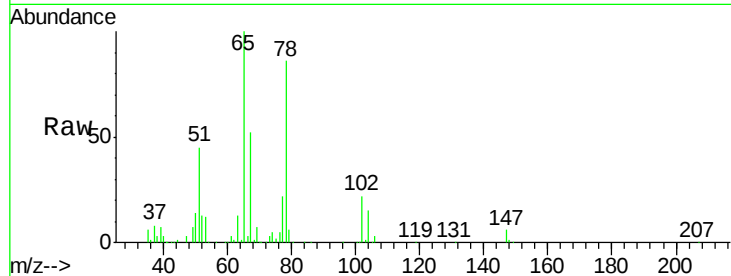
#33
 1,2-Dichloroethane-d4
 Concen: 47.477 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067030.D
 Acq: 02 Oct 2020 12:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	211334		
67	52.3	0.0	106.8	

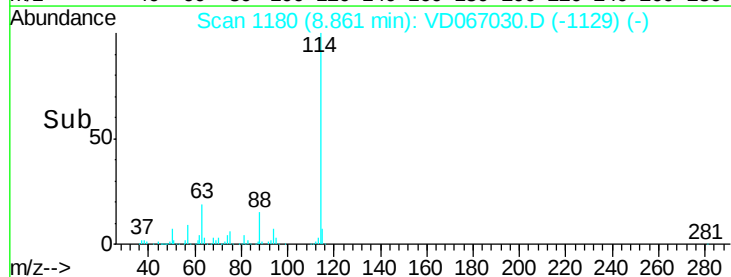
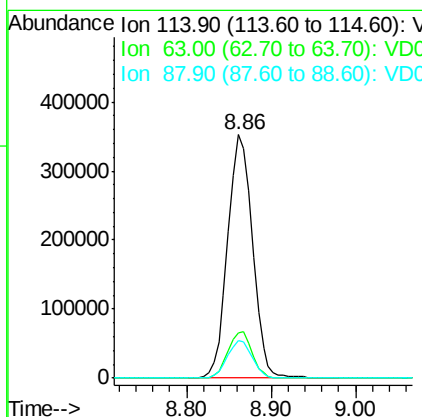
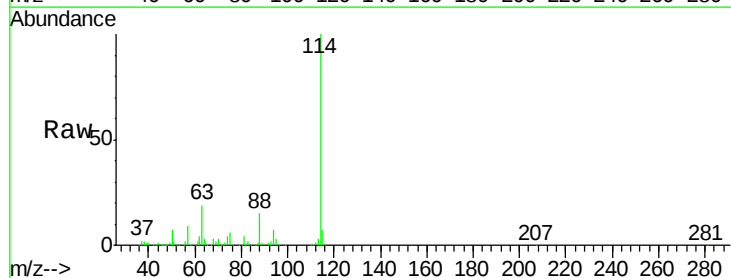
Manual Integrations
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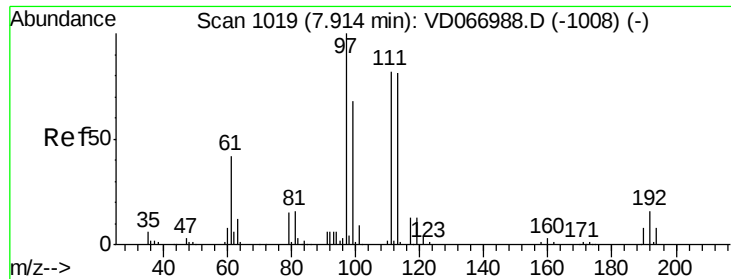
MMDadoda
 10/5/2020 5:34:27 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD067030.D
 Acq: 02 Oct 2020 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	717562		
63	18.8	0.0	38.4	
88	15.3	0.0	31.2	





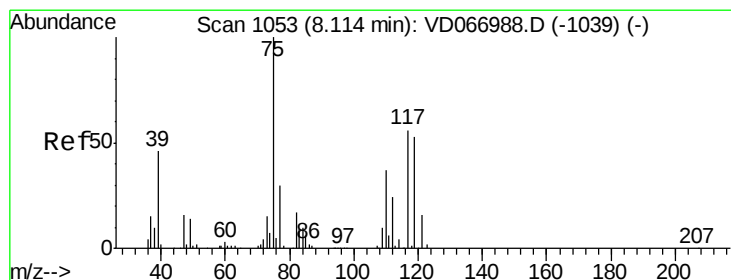
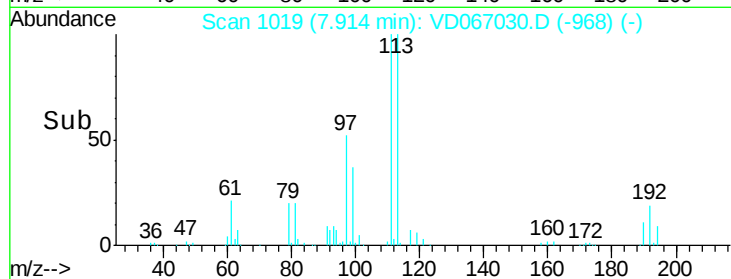
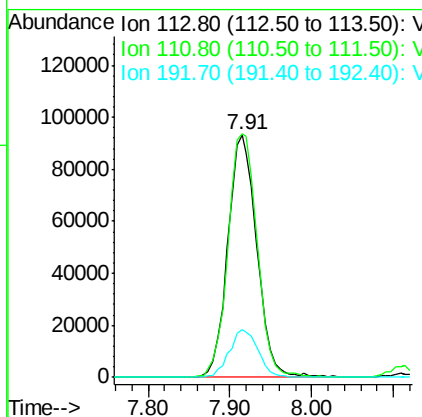
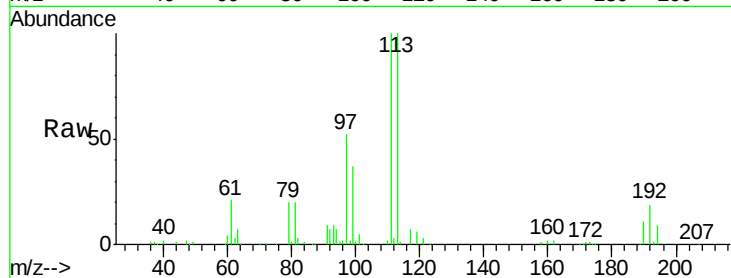
#35
 Dibromofluoromethane
 Concen: 48.686 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067030.D
 Acq: 02 Oct 2020 12:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	228712		
111	101.9	83.0	124.4	
192	19.5	15.5	23.3	

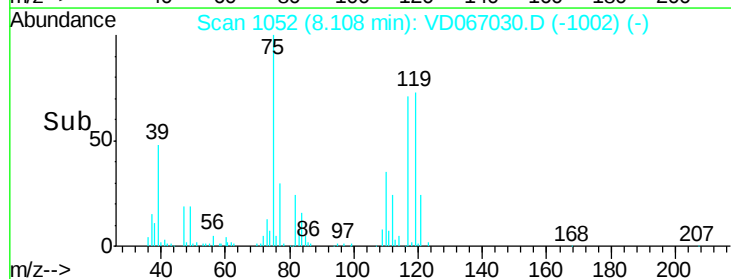
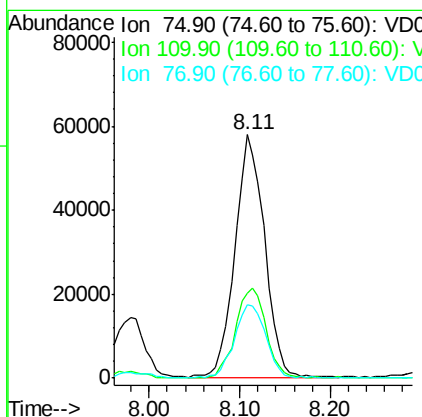
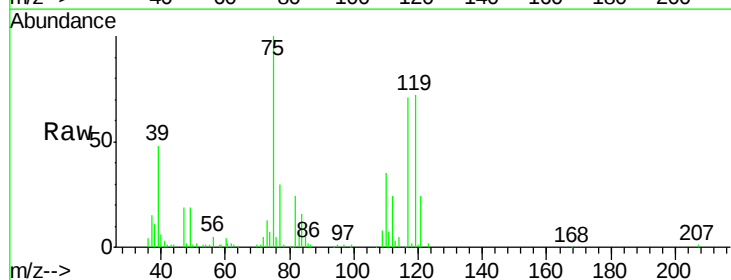
Manual Integrations
 APPROVED

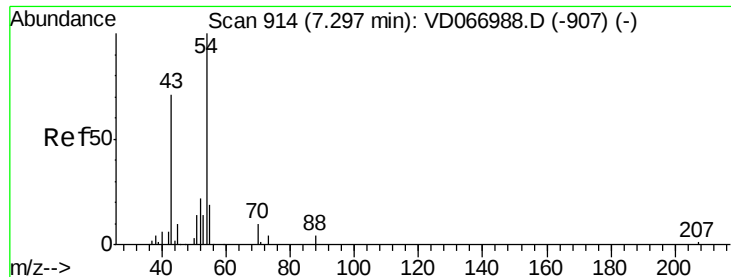
MMDadoda
 10/5/2020 5:34:27 PM



#36
 1,1-Dichloropropene
 Concen: 19.632 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD067030.D
 Acq: 02 Oct 2020 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	131305		
110	38.2	18.4	55.0	
77	32.2	24.8	37.2	





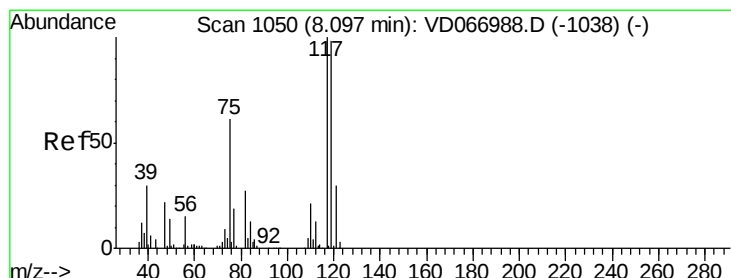
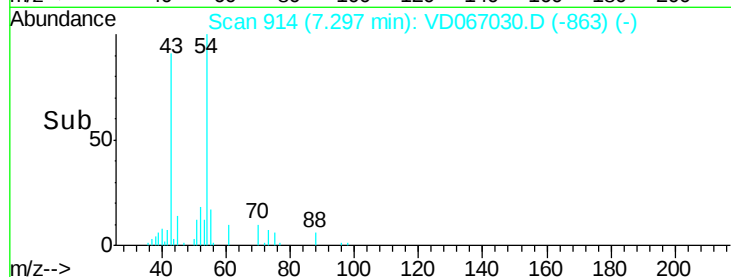
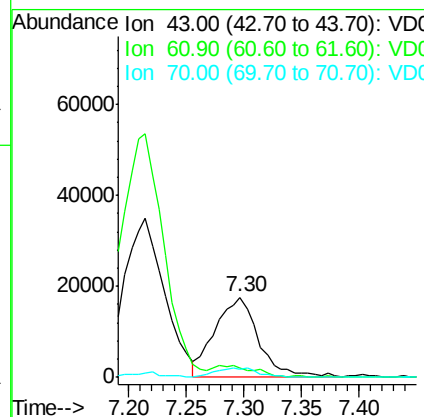
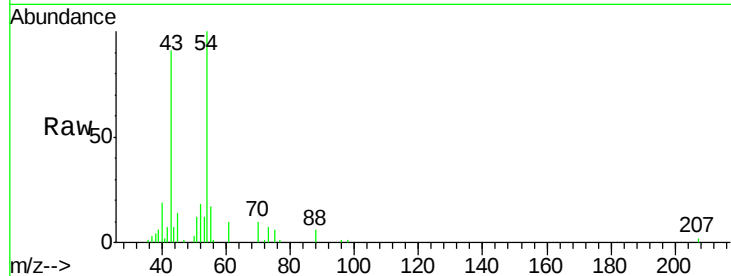
#37
Ethyl Acetate
Concen: 19.541 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.5	18.7#
70	11.9	9.4	14.0

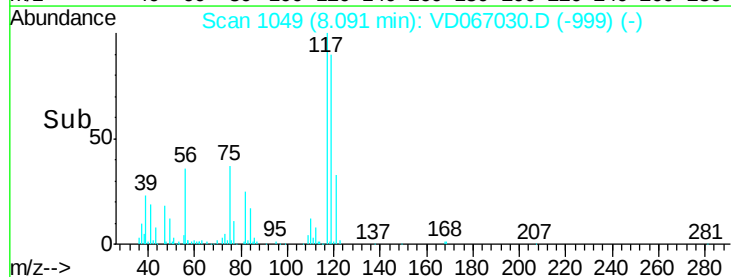
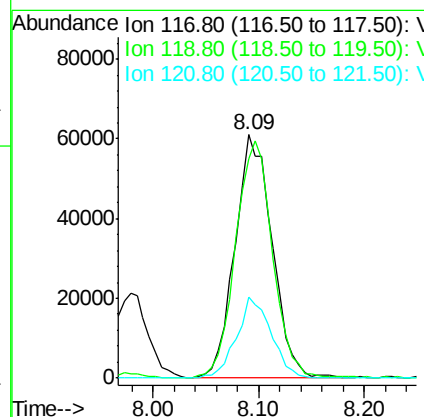
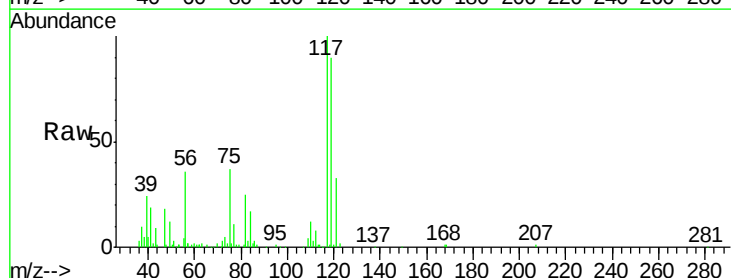
Manual Integrations
APPROVED

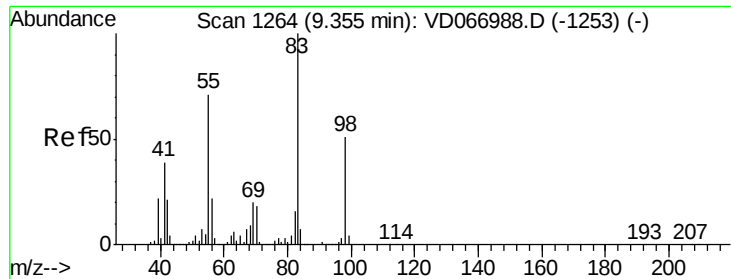
MMDadoda
10/5/2020 5:34:27 PM



#38
Carbon Tetrachloride
Concen: 20.418 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.2	78.7	118.1
121	33.5	24.2	36.2





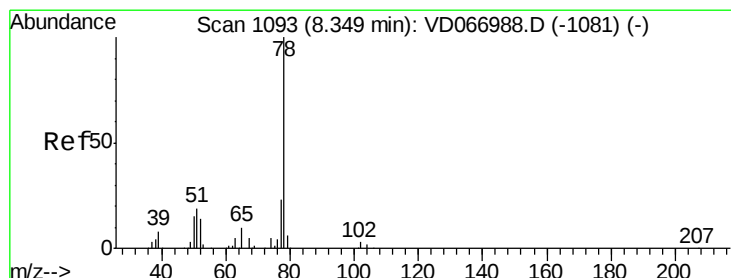
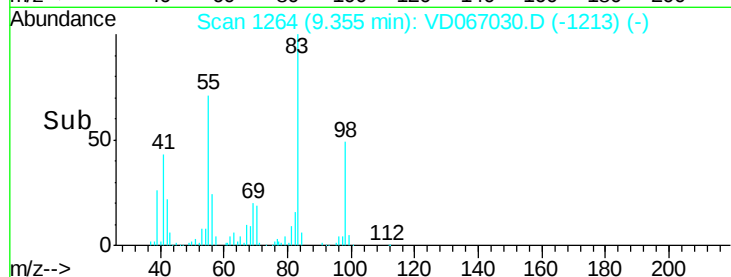
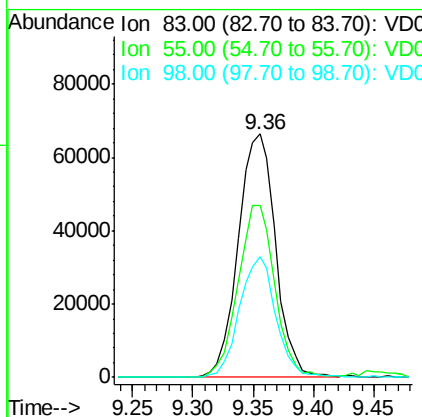
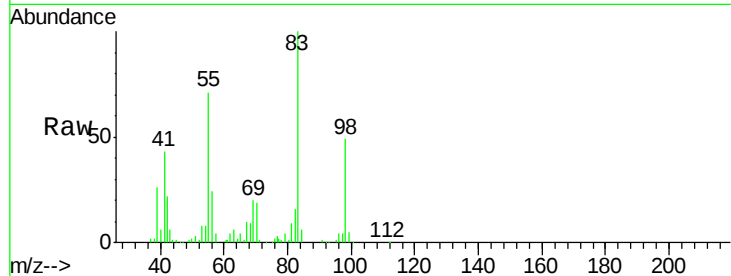
#39
Methvlcvclohexane
Concen: 20.254 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.7	57.1	85.7
98	49.4	40.9	61.3

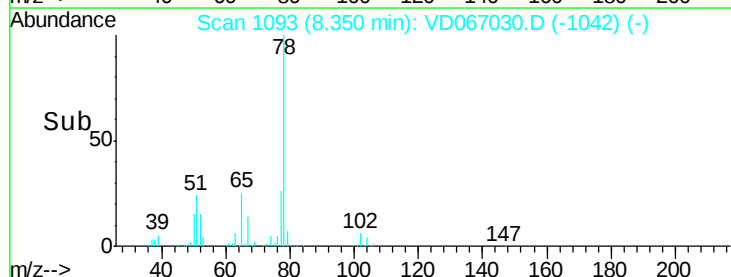
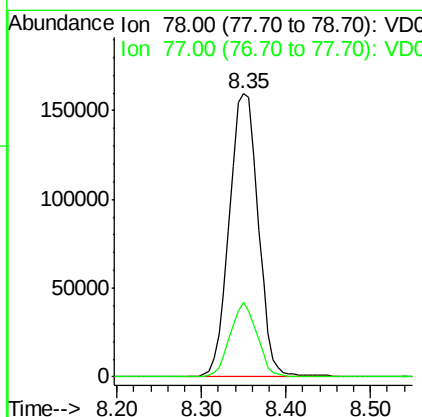
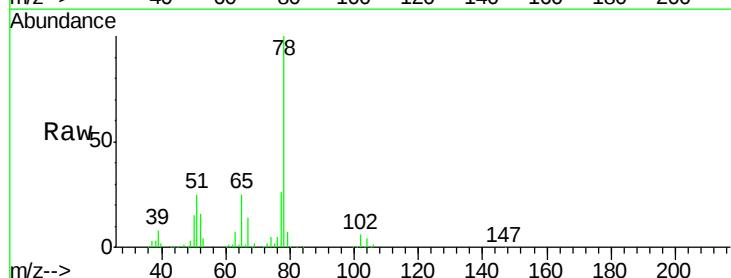
Manual Integrations
APPROVED

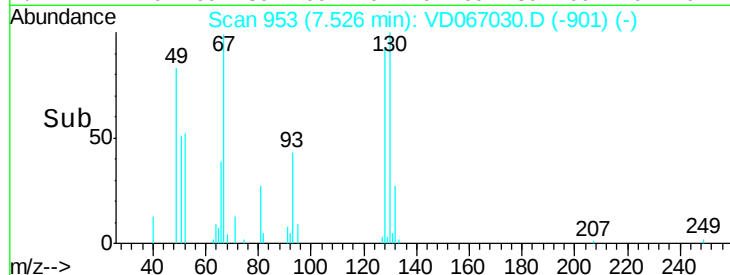
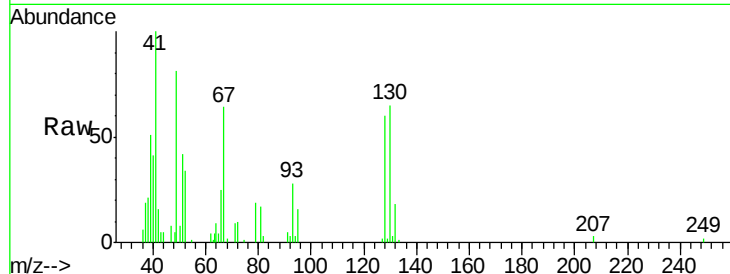
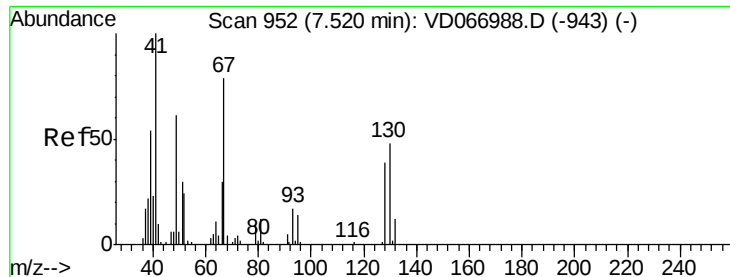
MMDadoda
10/5/2020 5:34:27 PM



#40
Benzene
Concen: 20.298 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.2	18.4	27.6





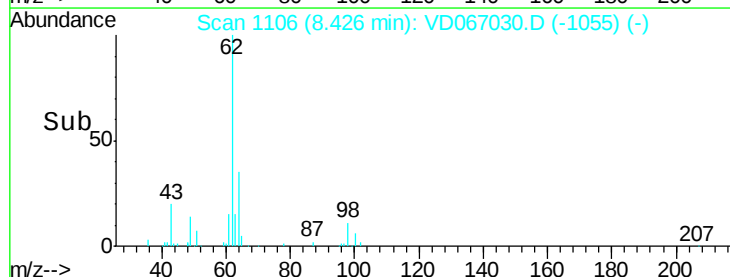
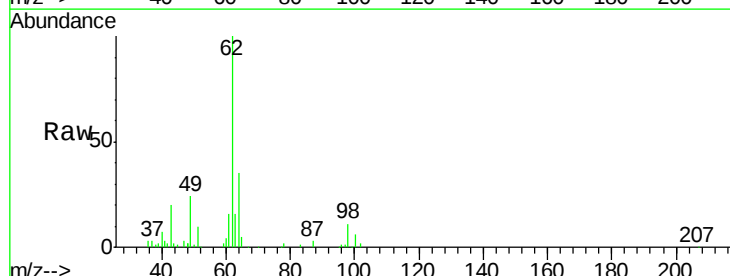
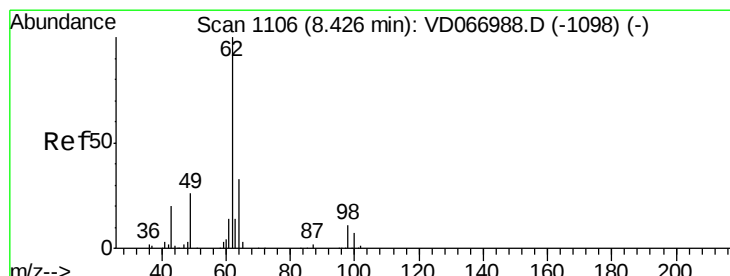
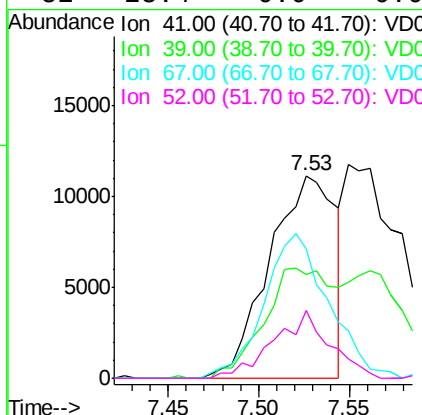
#41
Methacrylonitrile
Concen: 22.626 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.01 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.7	0.0	0.0#
67	69.5	0.0	0.0#
52	28.4	0.0	0.0#

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

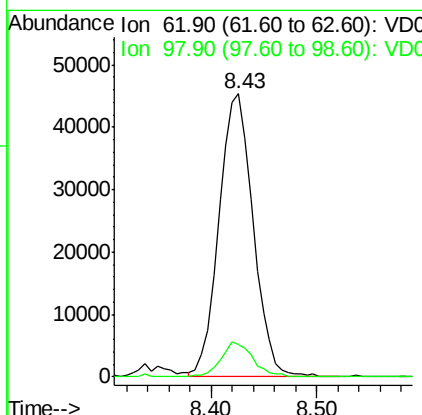
Manual Integrations
APPROVED

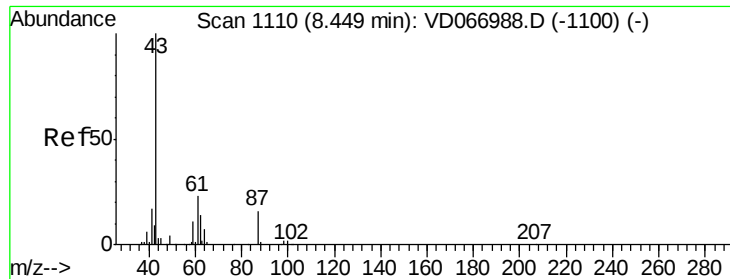
MMDadoda
10/5/2020 5:34:27 PM



#42
1,2-Dichloroethane
Concen: 19.646 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.5	0.0	22.6





#43

Isopropyl Acetate

Concen: 20.092 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Instrument :

MSVOA_D

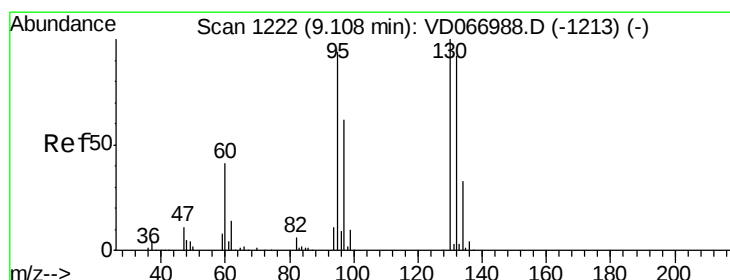
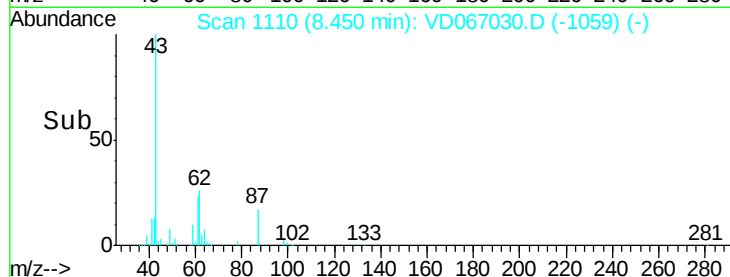
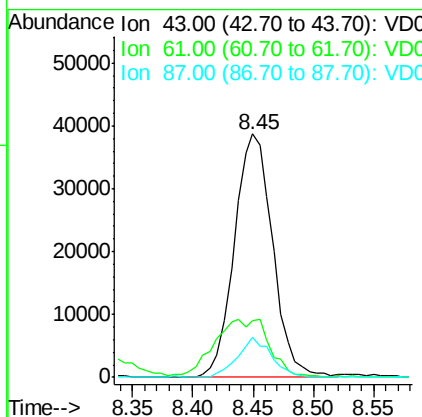
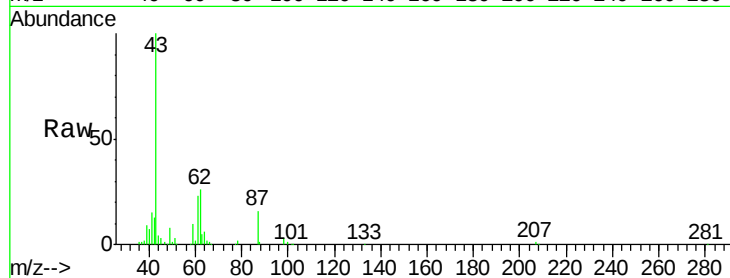
ClientSampleId :

VD1002SBS01

Tot Ion:	43	Resp:	85763
Ion	Ratio	Lower	Upper
43	100		
61	34.3	27.1	40.7
87	14.3	12.3	18.5

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#44

Trichloroethene

Concen: 20.085 ug/l

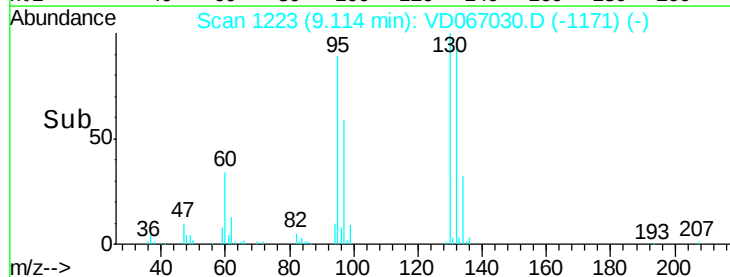
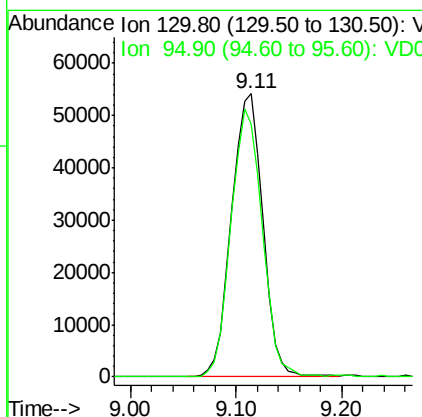
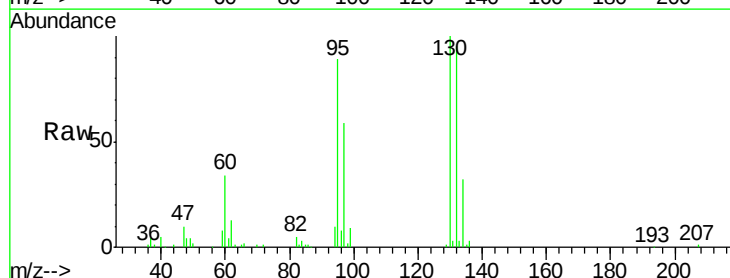
RT: 9.11 min Scan# 1223

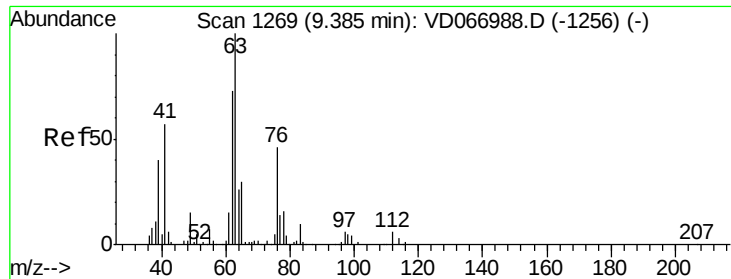
Delta R.T. 0.01 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Tgt Ion:	130	Resp:	111423
Ion	Ratio	Lower	Upper
130	100		
95	89.2	0.0	187.8





#45

1,2-Dichloropropane

Concen: 20.268 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBS01

Tot Ion: 63 Resp: 88469

Ion Ratio Lower Upper

63 100

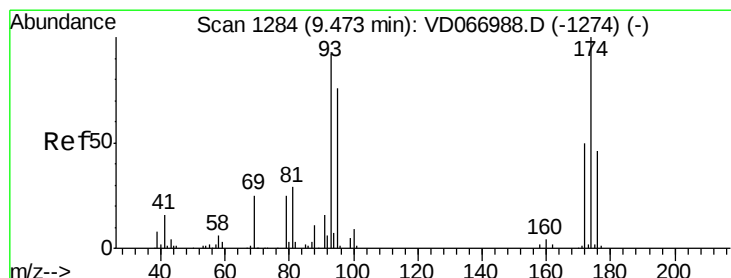
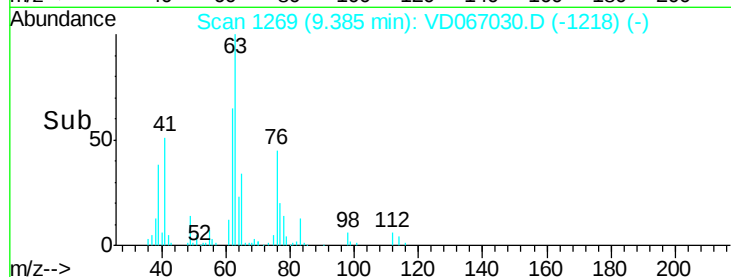
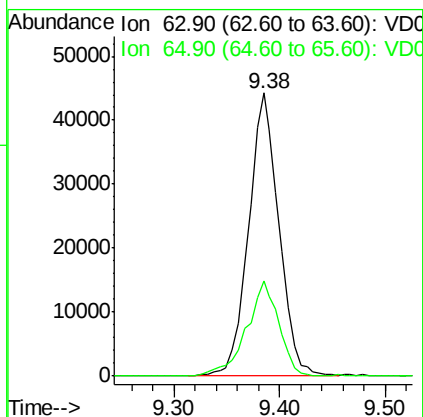
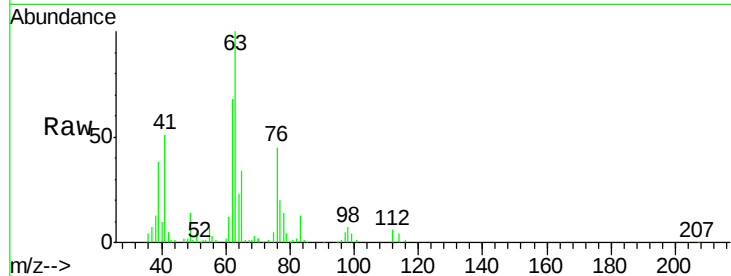
65 33.3 23.7 35.5

Manual Integrations

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#46

Dibromomethane

Concen: 20.432 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

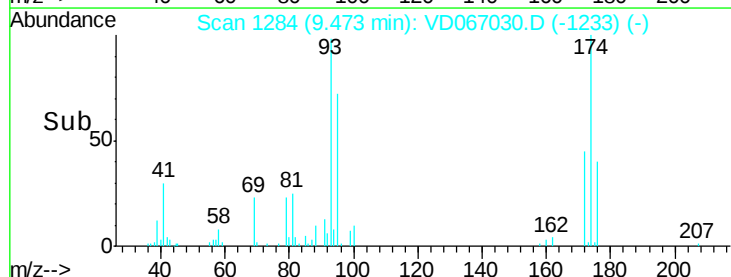
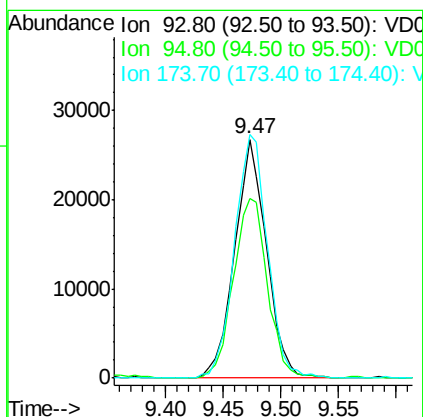
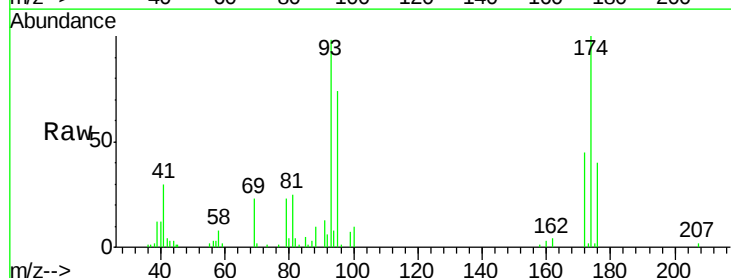
Tgt Ion: 93 Resp: 51260

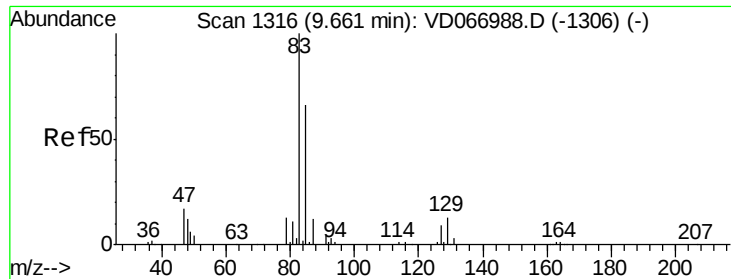
Ion Ratio Lower Upper

93 100

95 80.5 64.7 97.1

174 105.2 81.4 122.2





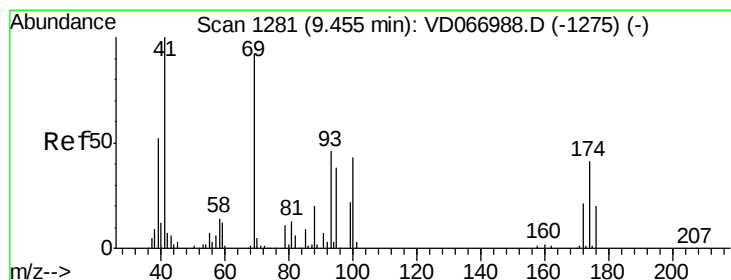
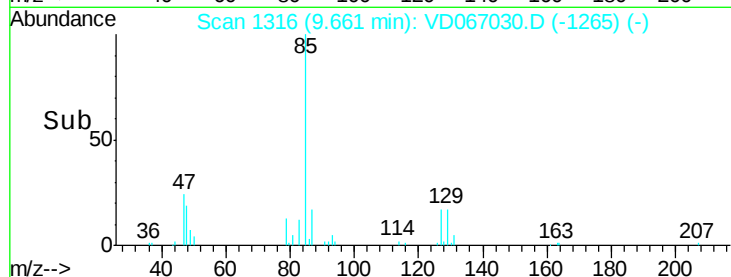
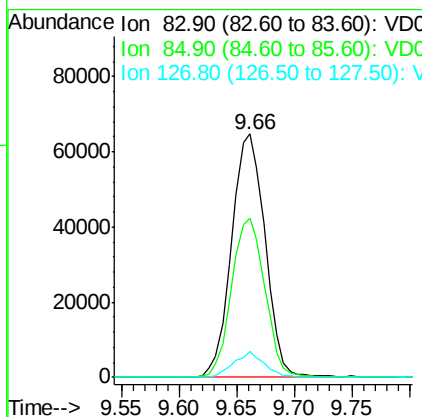
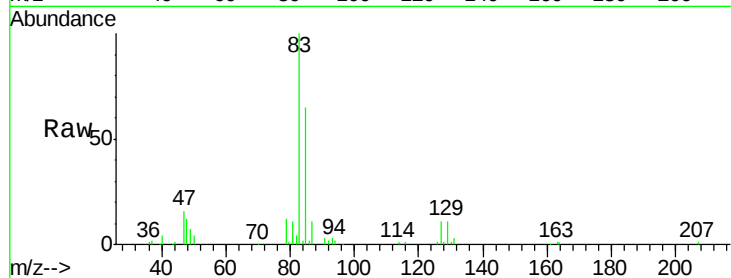
#47
Bromodichloromethane
Concen: 20.000 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.9	79.3
127	10.7	7.3	10.9

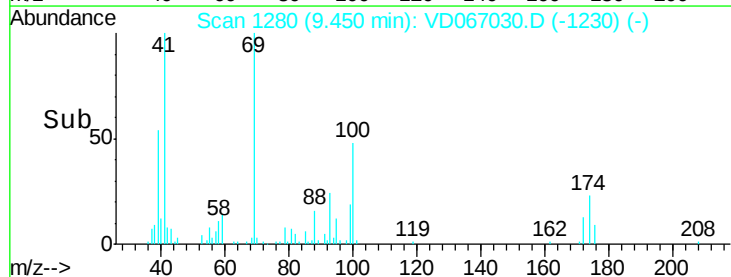
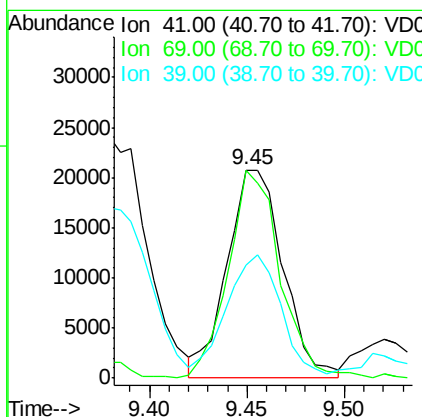
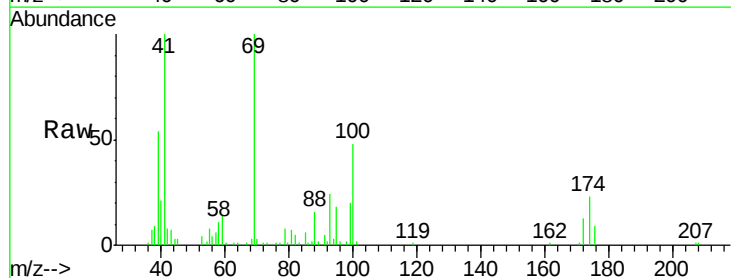
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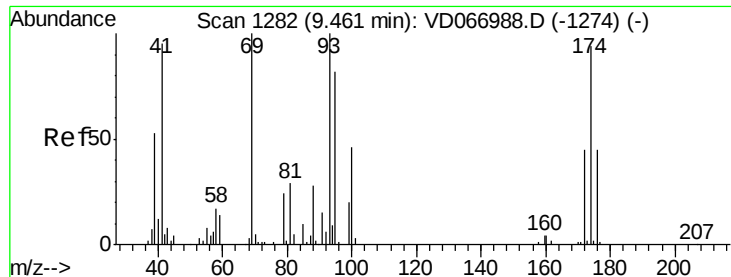
MMDadoda
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#48
Methyl methacrylate
Concen: 18.923 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Tgt Ion	Ratio	Lower	Upper
41	100		
69	92.6	68.5	102.7
39	53.9	40.2	60.2





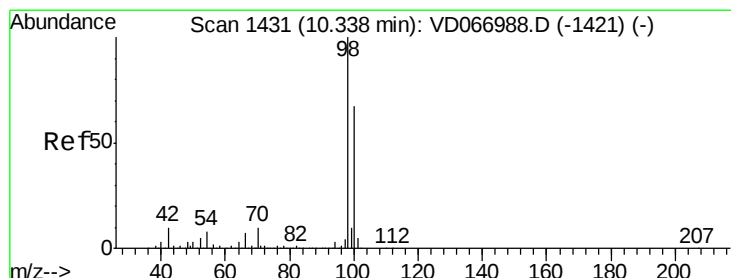
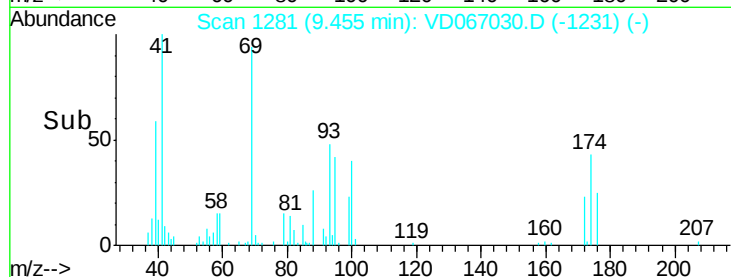
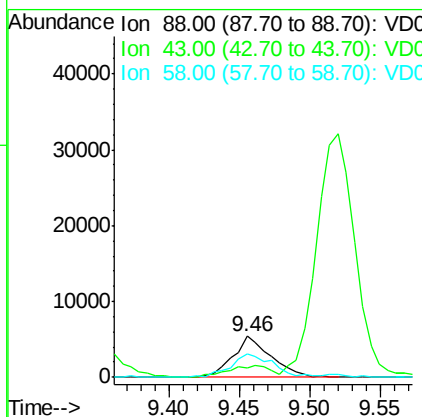
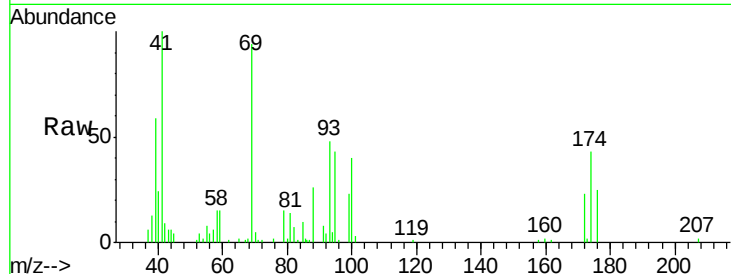
#49
1,4-Dioxane
Concen: 387.146 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.0	25.6	38.4
58	64.9	53.5	80.3

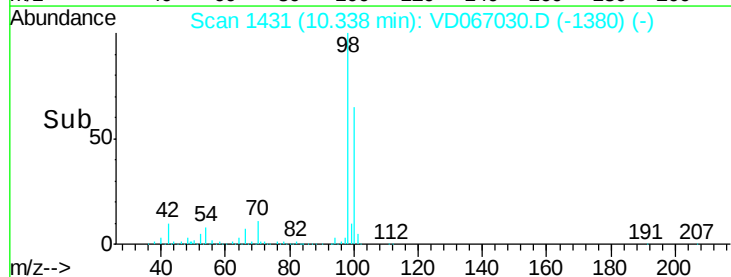
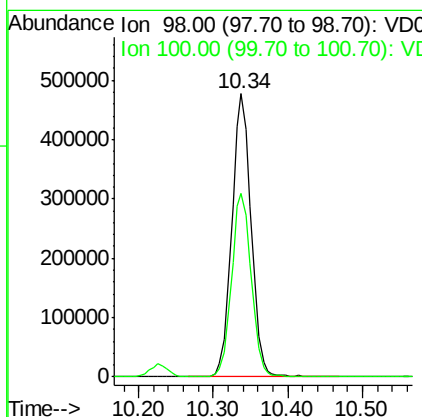
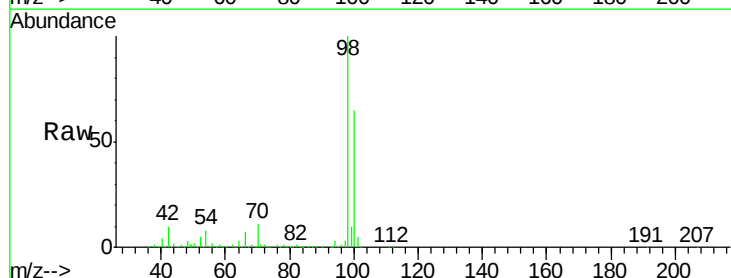
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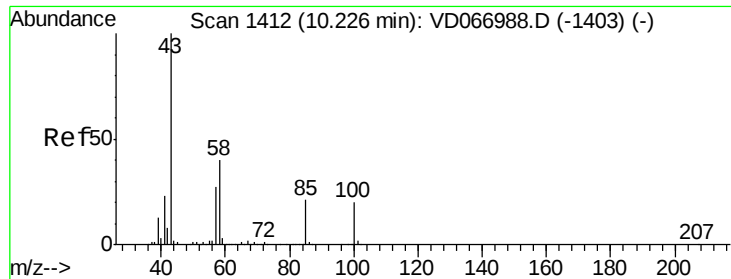
MMDadoda
10/5/2020 5:34:27 PM



#50
Toluene-d8
Concen: 50.134 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 97.319 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Instrument :

MSVOA_D

ClientSampleID :

VD1002SBS01

Tot Ion: 43 Resp: 206914

Ion Ratio Lower Upper

43 100

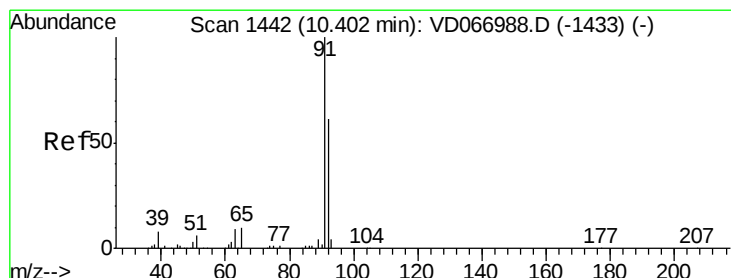
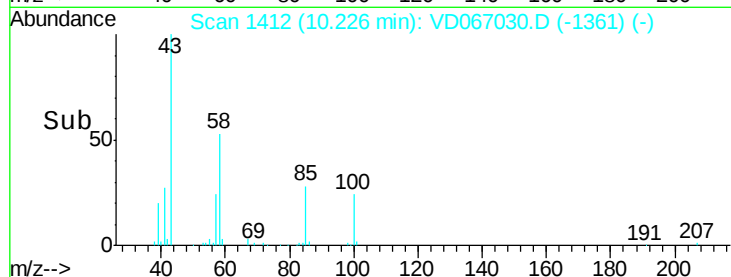
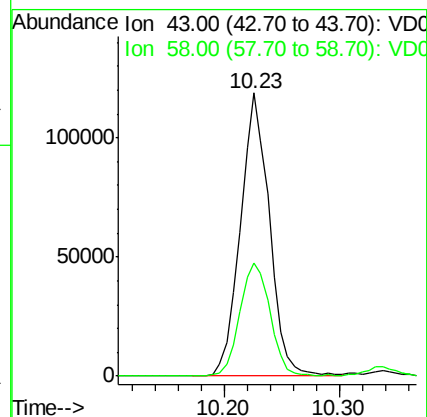
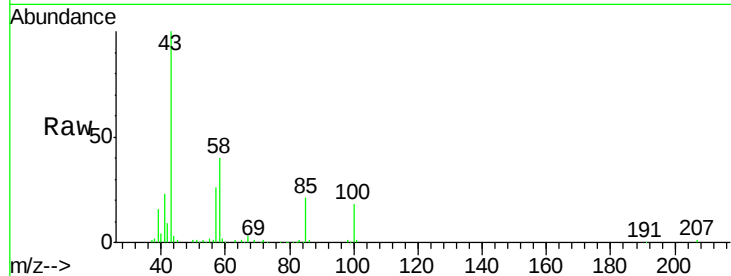
58 41.6 33.8 50.8

Manual Integrations

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10/5/2020 5:34:27 PM



#52

Toluene

Concen: 21.023 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD067030.D

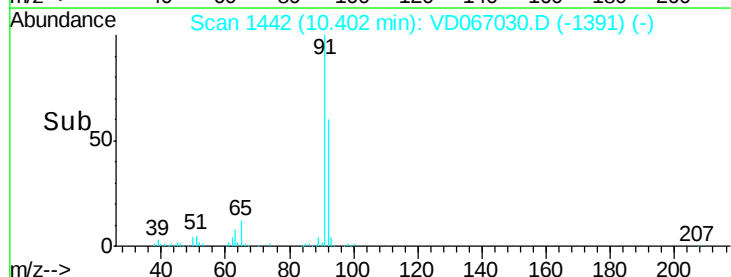
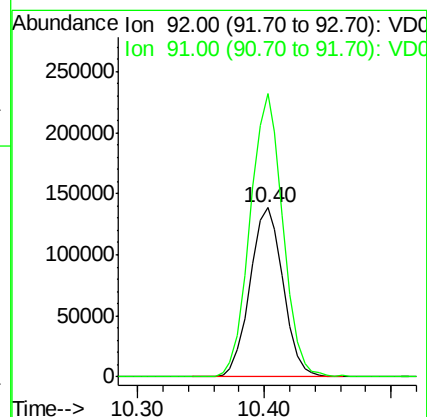
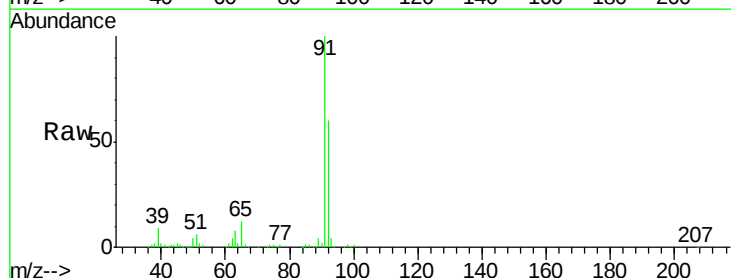
Acq: 02 Oct 2020 12:47

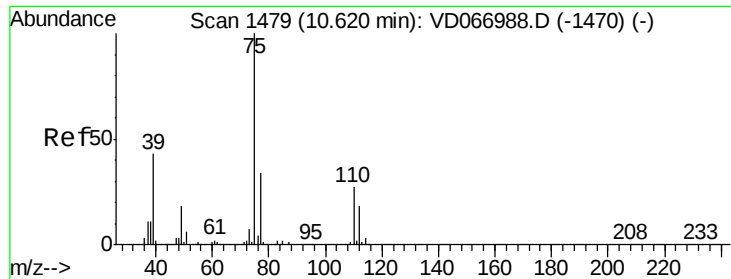
Tgt Ion: 92 Resp: 251591

Ion Ratio Lower Upper

92 100

91 164.9 135.1 202.7





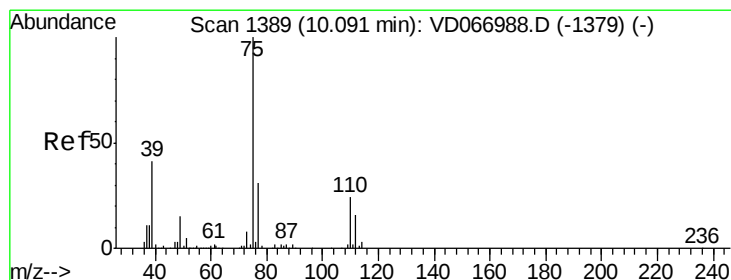
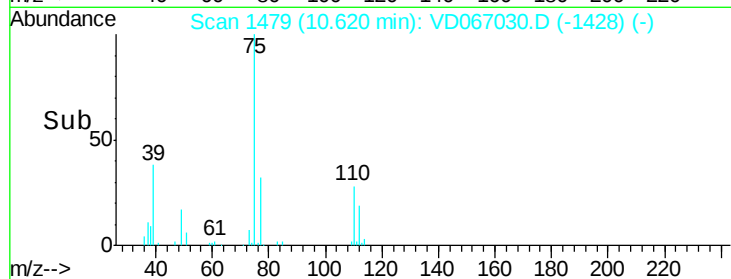
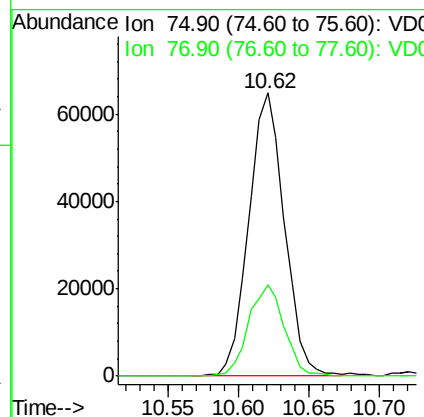
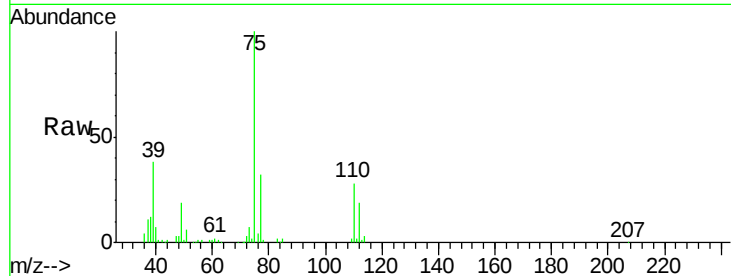
#53
t-1,3-Dichloropropene
Concen: 19.705 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion: 75 Resp: 114849
Ion Ratio Lower Upper
75 100
77 32.3 27.1 40.7

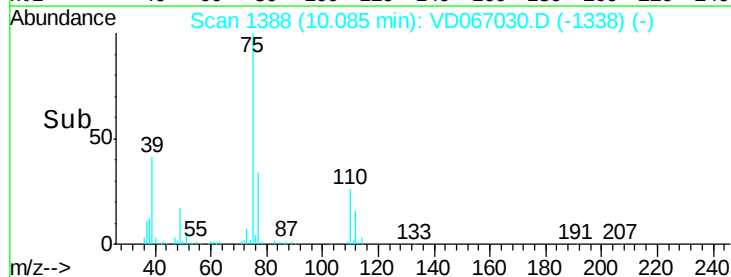
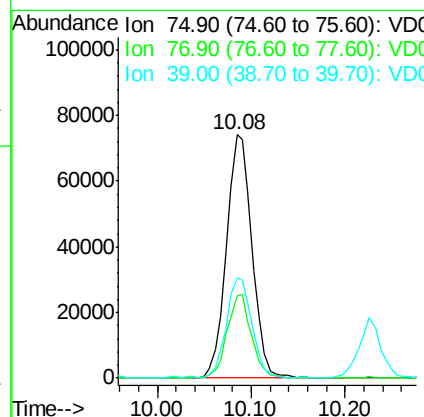
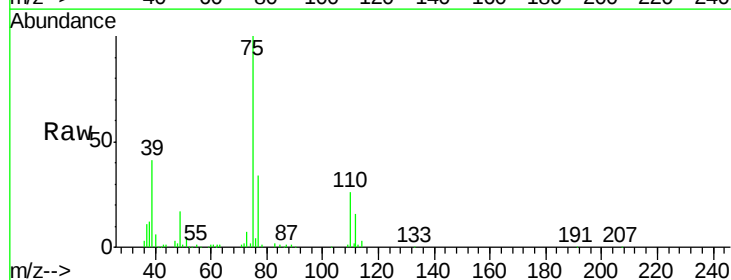
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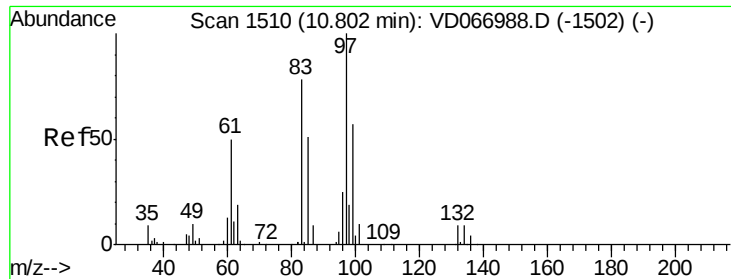
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#54
cis-1,3-Dichloropropene
Concen: 19.692 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. -0.01 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Tgt Ion: 75 Resp: 140150
Ion Ratio Lower Upper
75 100
77 34.0 24.6 37.0
39 40.4 33.0 49.4





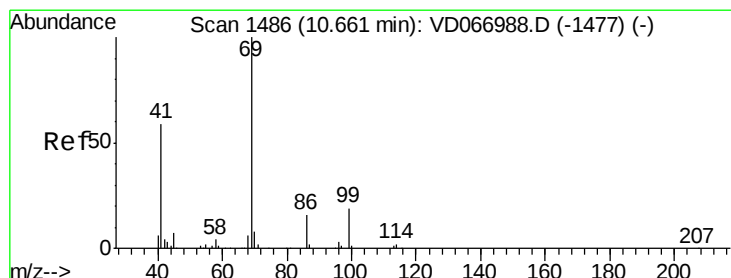
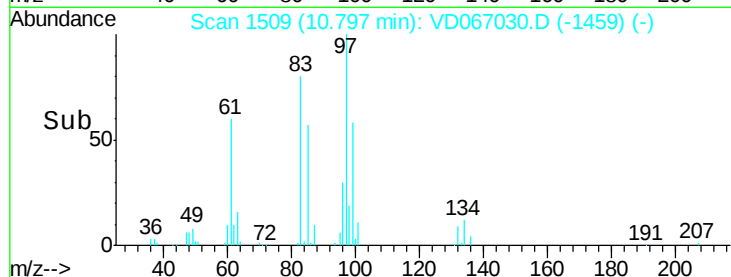
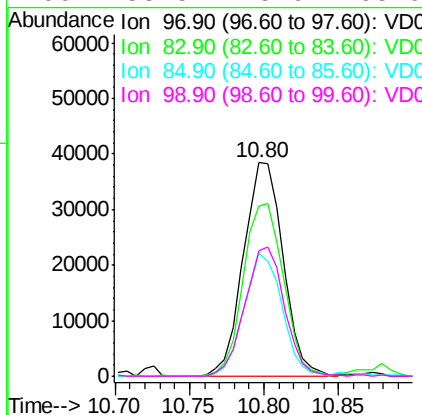
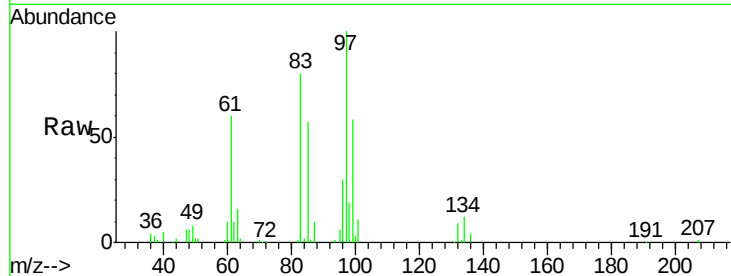
#55
 1,1,2-Trichloroethane
 Concen: 20.297 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD067030.D
 Acq: 02 Oct 2020 12:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		70795		
83	79.6	62.4	93.6		
85	57.3	41.0	61.4		
99	58.5	45.9	68.9		

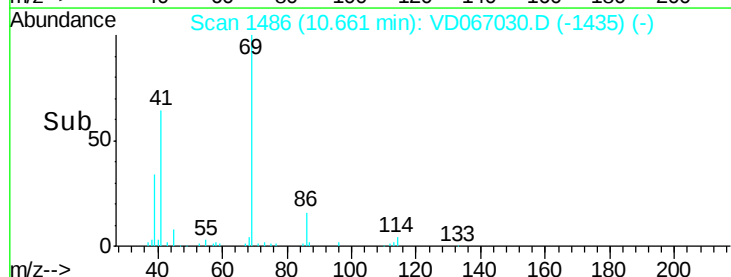
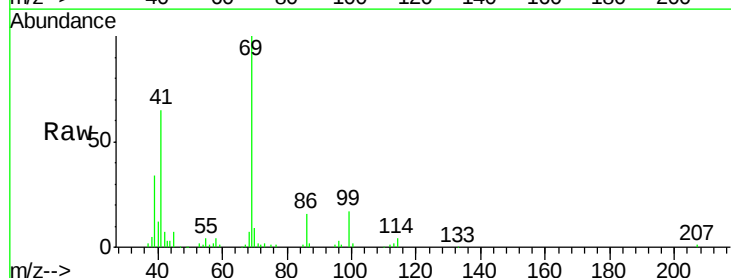
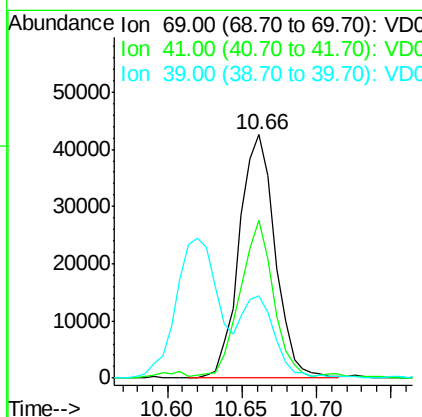
Manual Integrations
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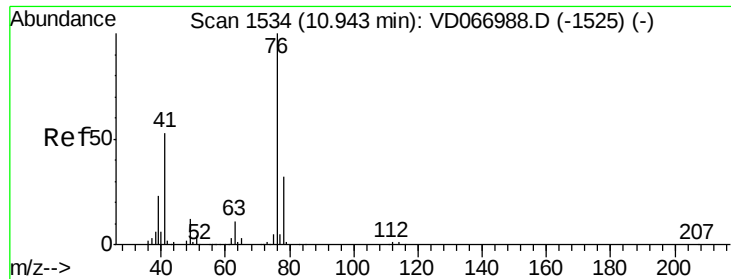
MMDadoda
 10/5/2020 5:34:27 PM



#56
 Ethyl methacrylate
 Concen: 19.747 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD067030.D
 Acq: 02 Oct 2020 12:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		71112		
41	59.1	46.4	69.6		
39	31.6	23.8	35.6		





#57

1,3-Dichloropropane

Concen: 20.062 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBSD01

Tot Ion: 76 Resp: 113473

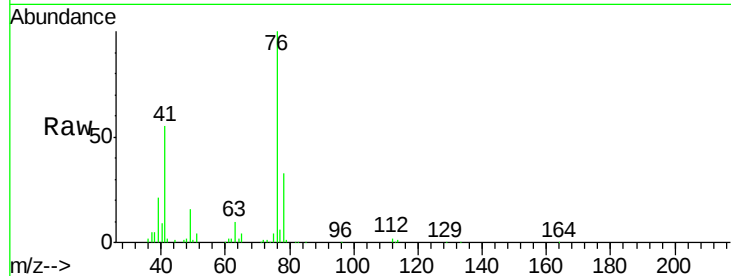
Ion Ratio Lower Upper

76 100

78 32.5 25.8 38.8

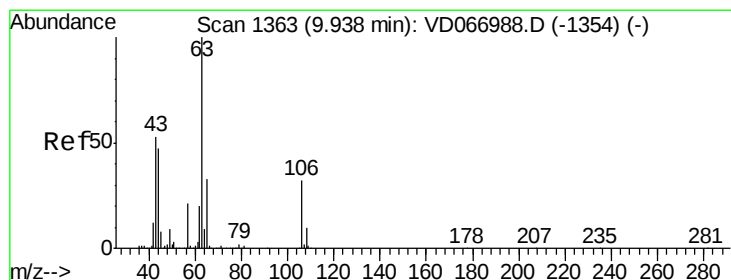
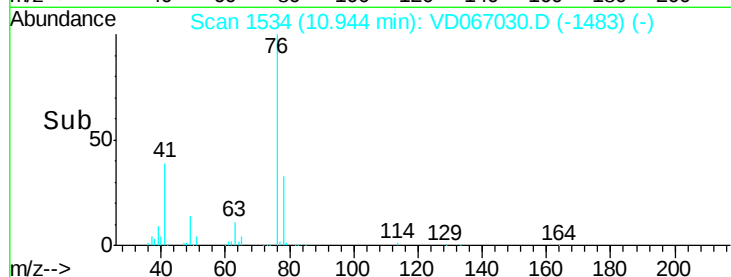
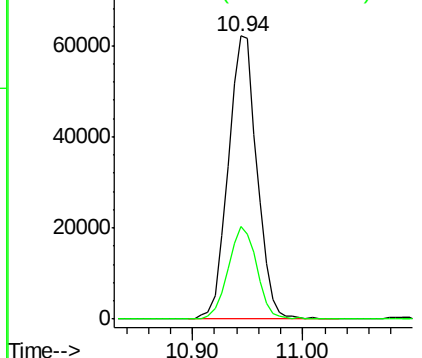
Manual Integrations
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10/5/2020 5:34:27 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 100.451 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD067030.D

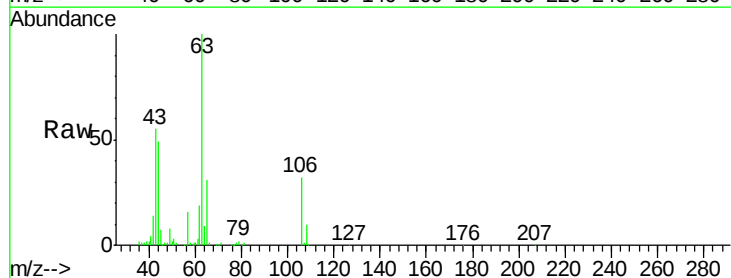
Acq: 02 Oct 2020 12:47

Tgt Ion: 63 Resp: 201337

Ion Ratio Lower Upper

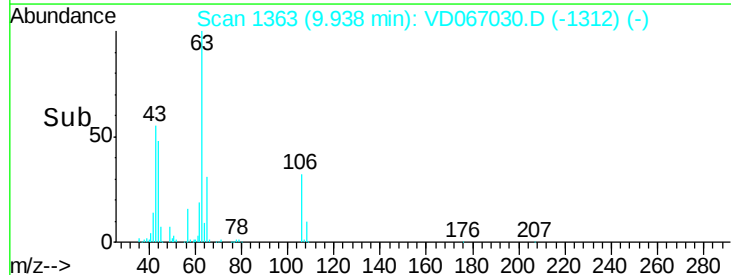
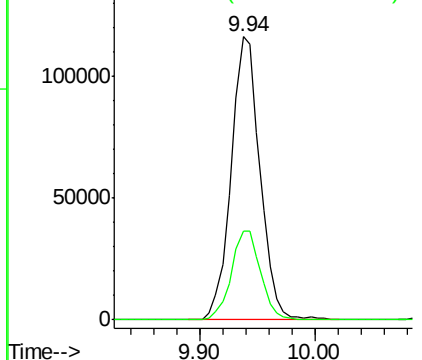
63 100

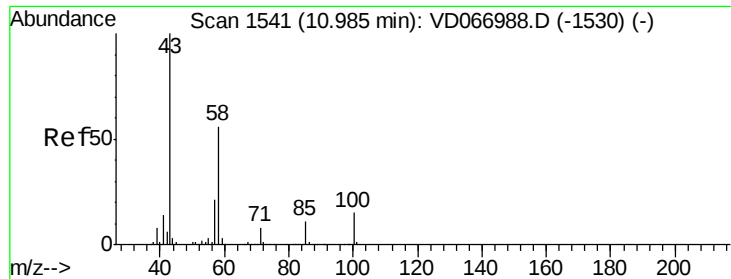
106 31.9 25.3 37.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





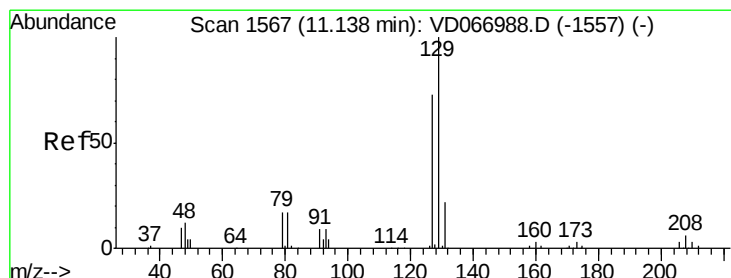
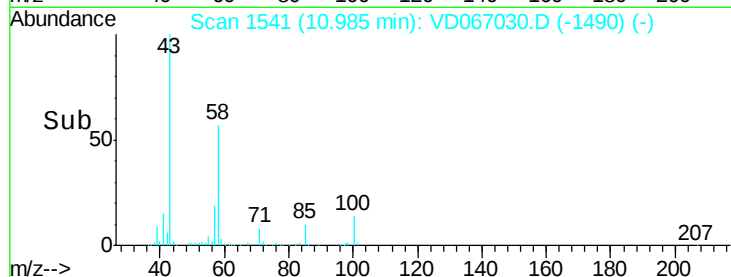
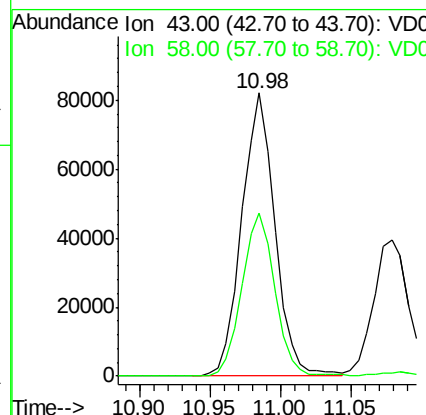
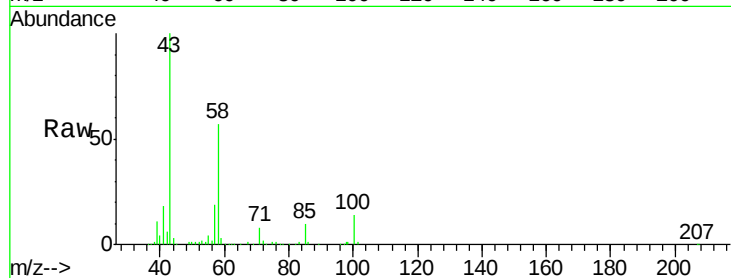
#59
2-Hexanone
Concen: 95.204 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion: 43 Resp: 135102
Ion Ratio Lower Upper
43 100
58 56.9 28.3 84.9

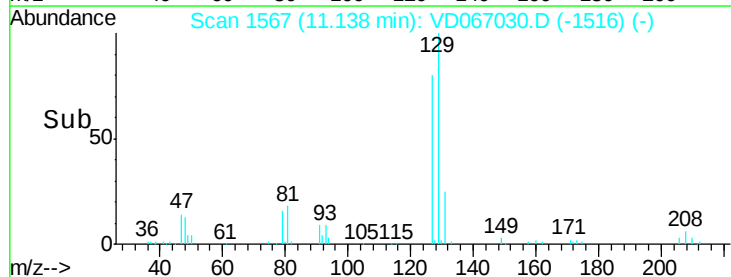
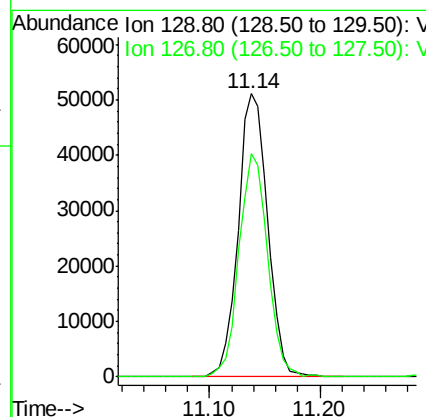
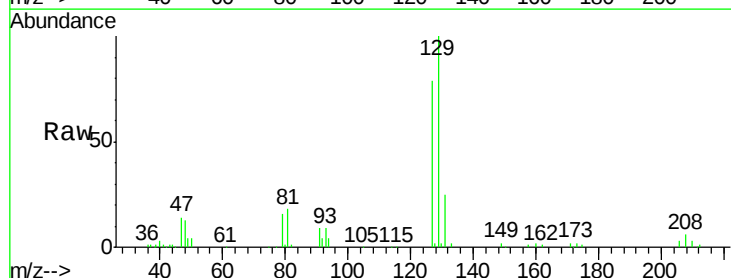
Manual Integrations
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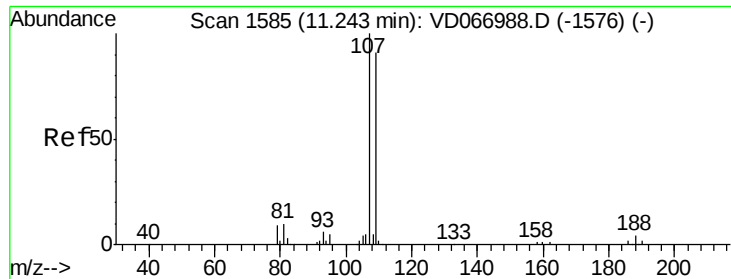
MMDadoda
10/5/2020 5:34:27 PM



#60
Dibromochloromethane
Concen: 20.603 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Tgt Ion:129 Resp: 95783
Ion Ratio Lower Upper
129 100
127 76.5 37.4 112.1





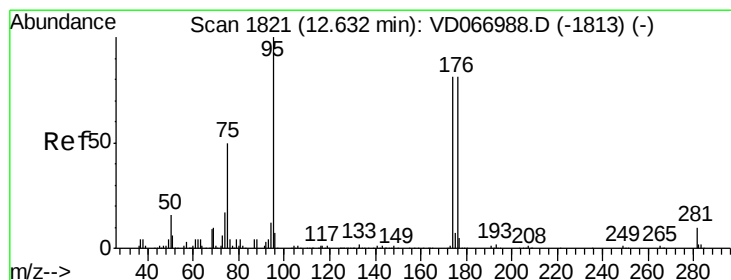
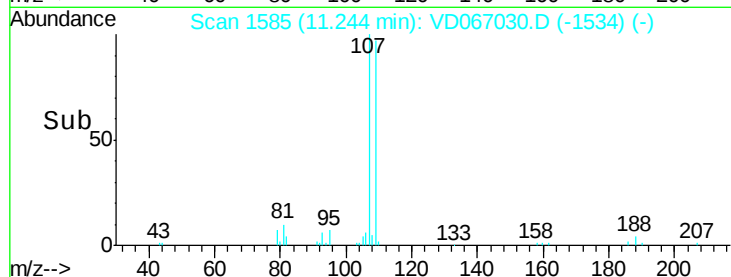
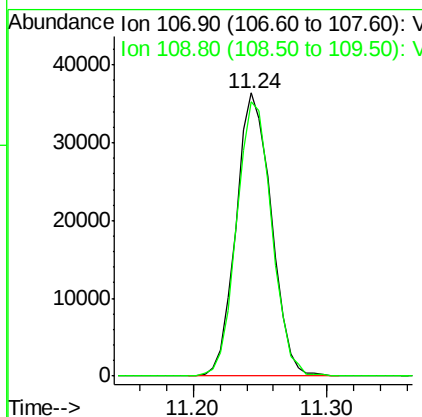
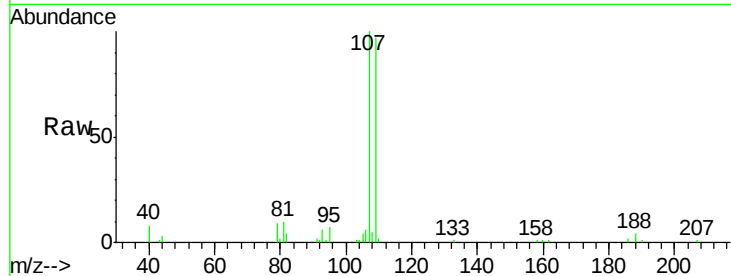
#61
1,2-Dibromoethane
Concen: 19.848 ug/l
RT: 11.24 min Scan# 1585
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.5	74.0	111.0

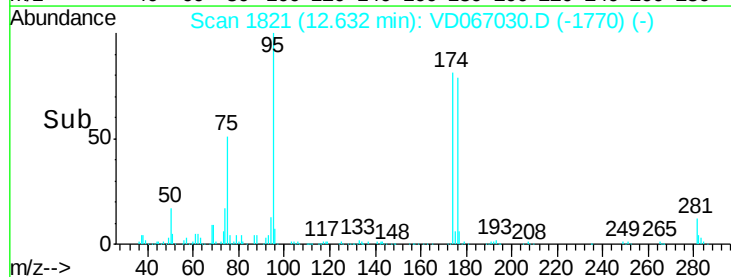
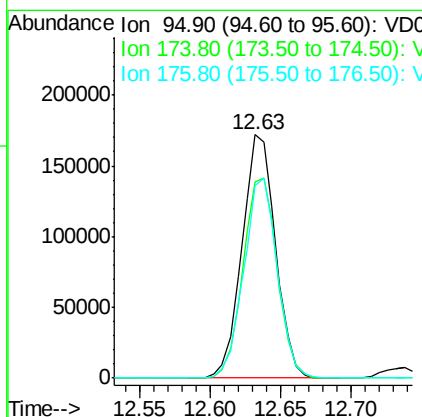
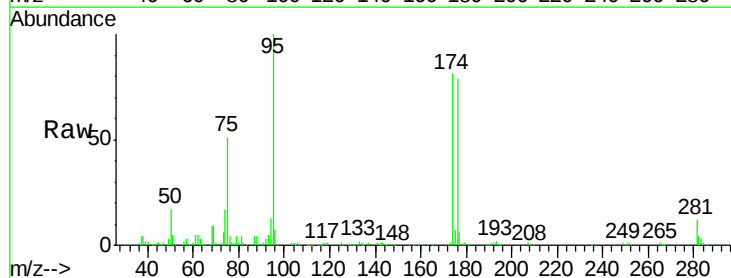
Manual Integrations
APPROVED

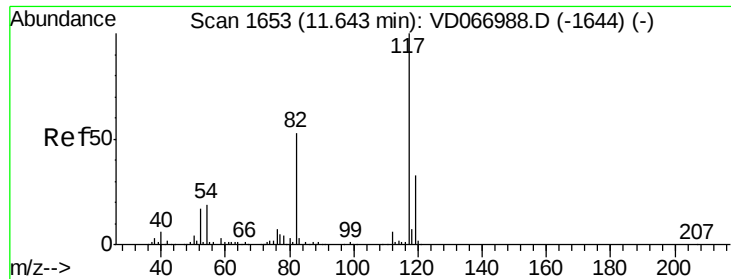
MMDadoda
10/5/2020 5:34:27 PM



#62
4-Bromofluorobenzene
Concen: 49.127 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.0	0.0	167.6
176	82.4	0.0	162.4





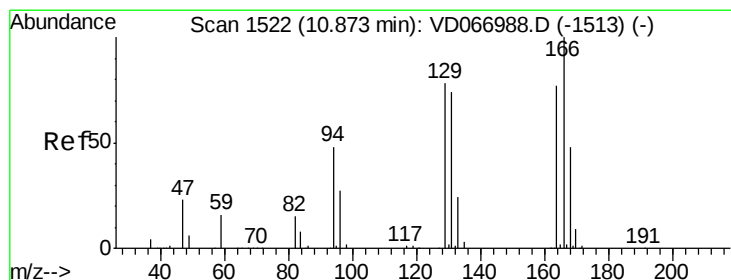
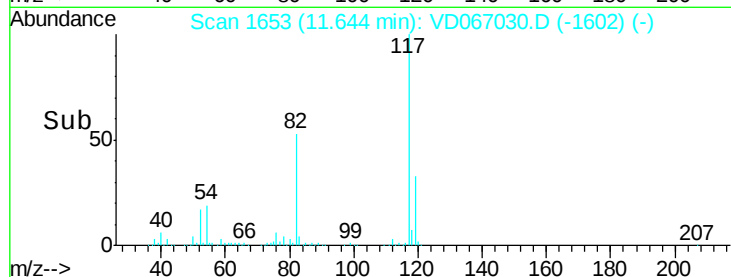
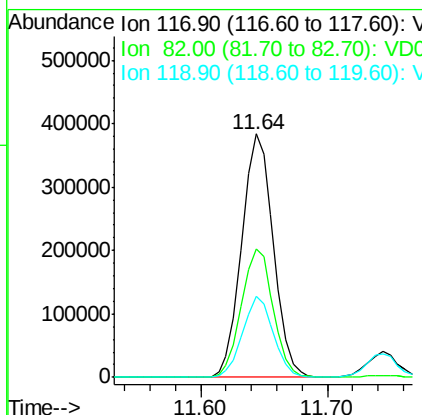
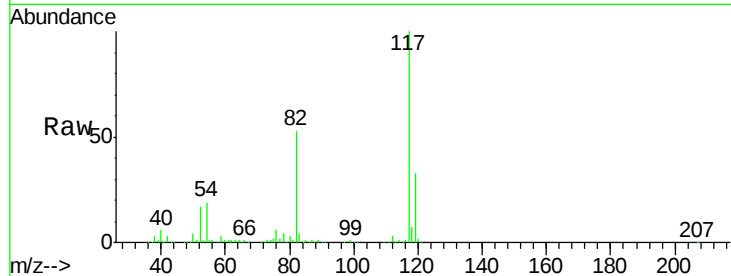
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	42.6	63.8
119	33.4	26.3	39.5

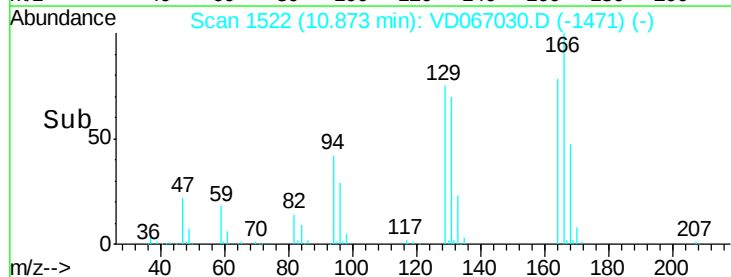
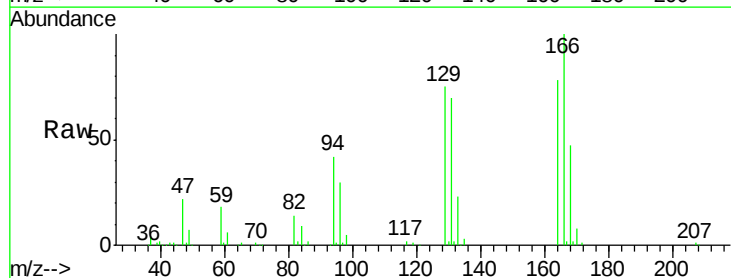
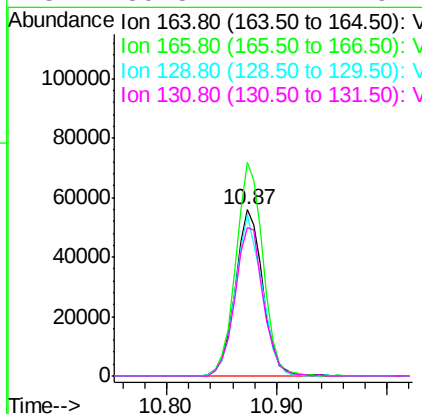
Manual Integrations
APPROVED

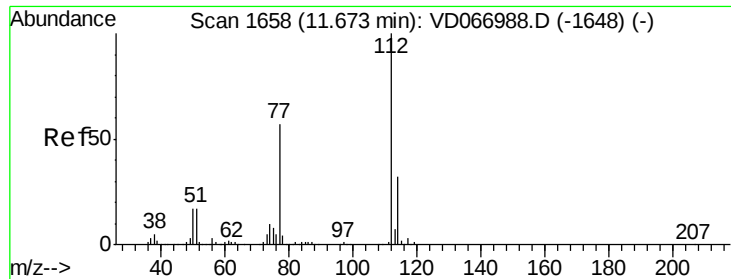
MMDadoda
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#64
Tetrachloroethene
Concen: 20.205 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	104.4	156.6
129	97.2	81.3	121.9
131	89.8	77.1	115.7





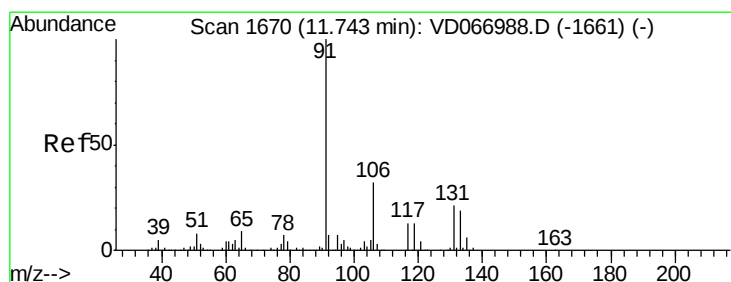
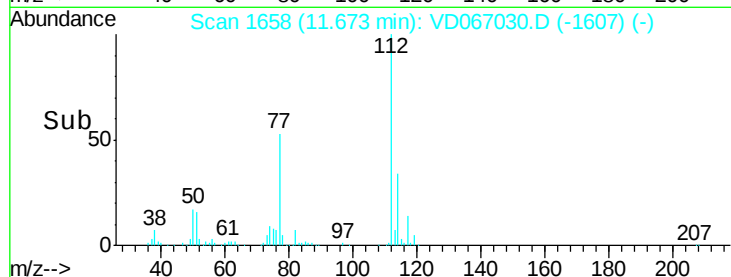
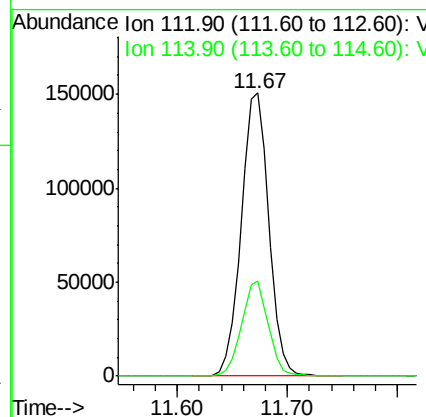
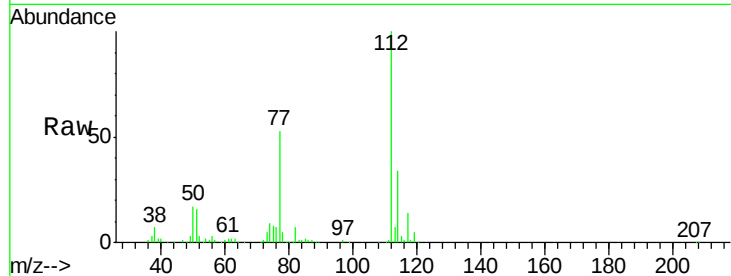
#65
Chlorobenzene
Concen: 19.976 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.7	25.4	38.0

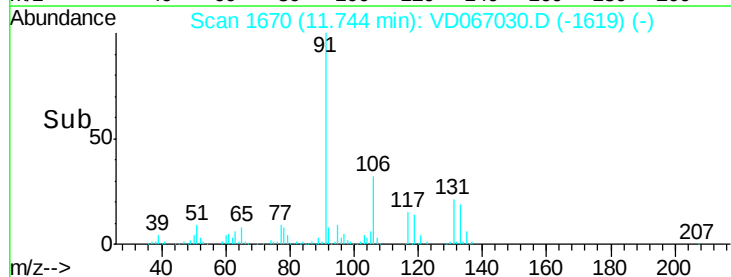
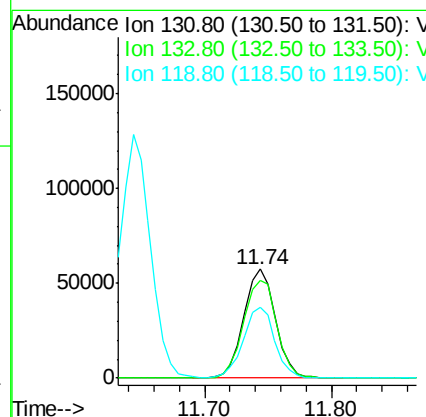
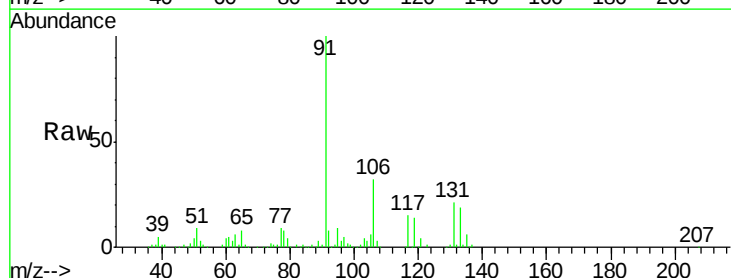
Manual Integrations
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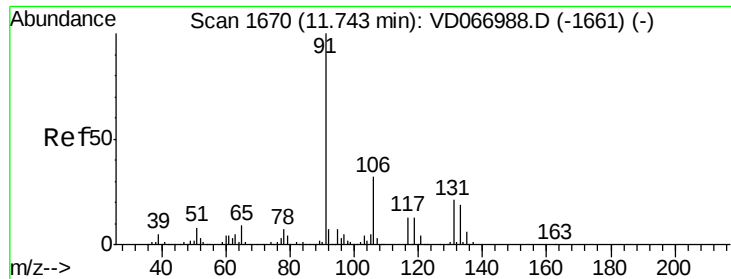
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.810 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.2	47.8	143.3
119	64.6	32.3	96.8





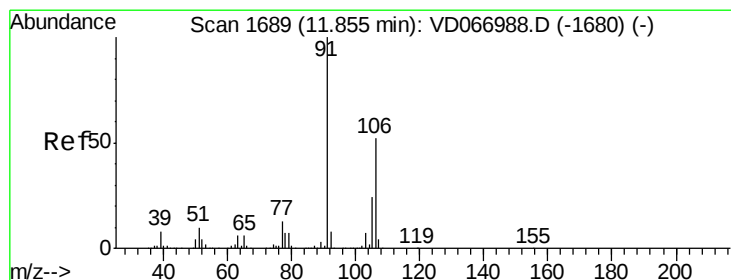
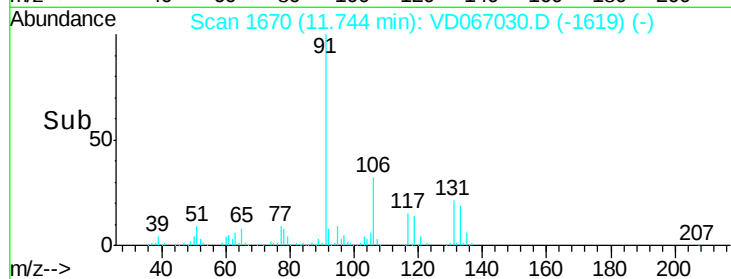
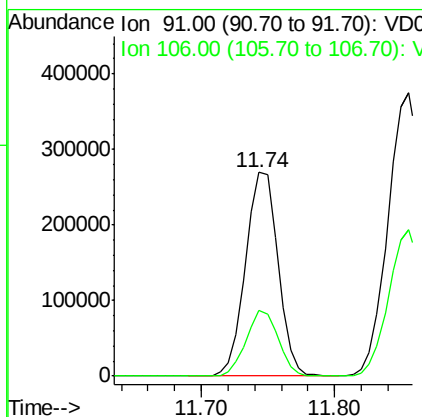
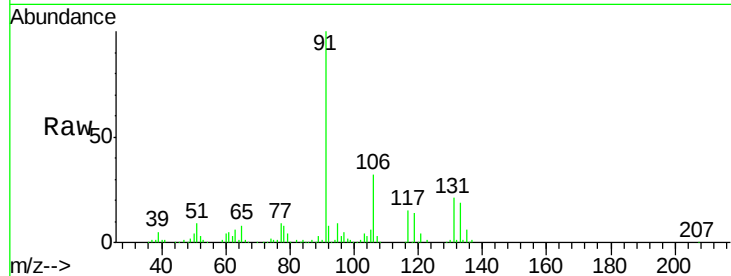
#67
Ethyl Benzene
Concen: 19.935 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion: 91 Resp: 453141
Ion Ratio Lower Upper
91 100
106 32.3 25.4 38.2

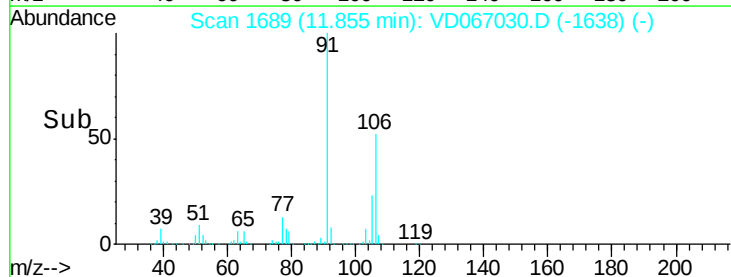
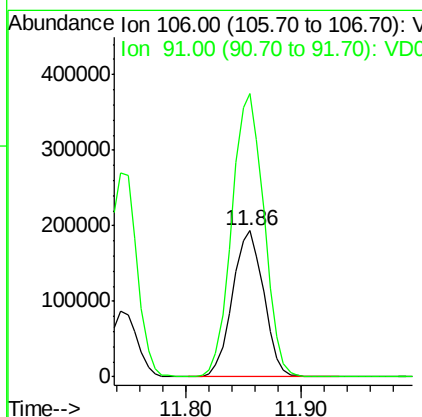
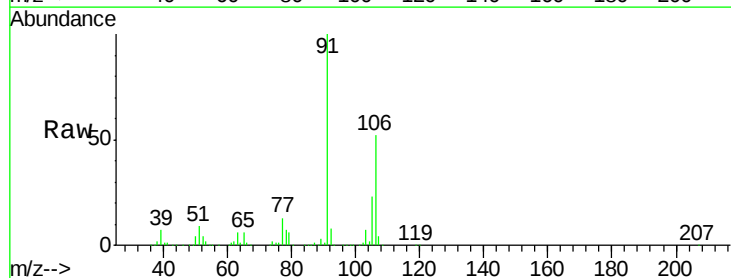
Manual Integrations
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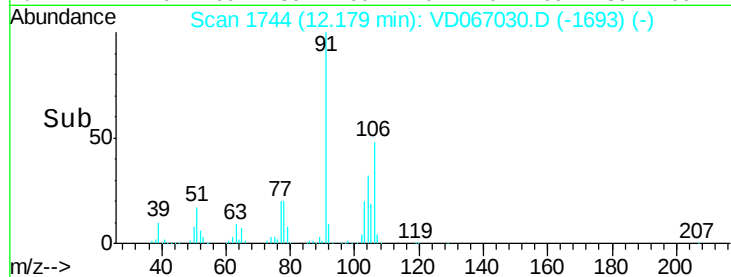
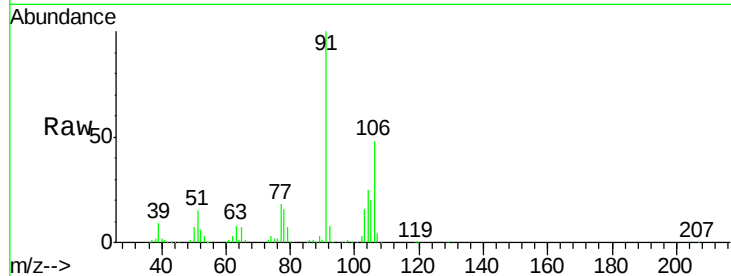
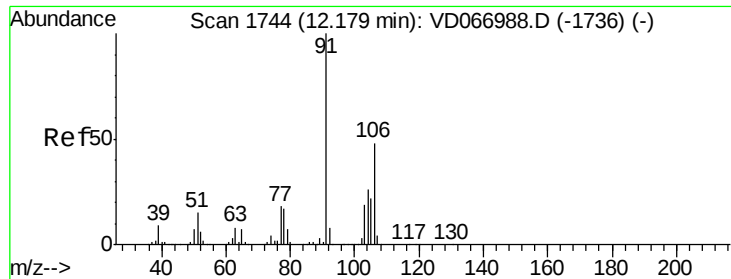
MMDadoda
10/5/2020 5:34:27 PM



#68
m/p-Xylenes
Concen: 40.996 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Tgt Ion: 106 Resp: 363169
Ion Ratio Lower Upper
106 100
91 198.4 158.4 237.6





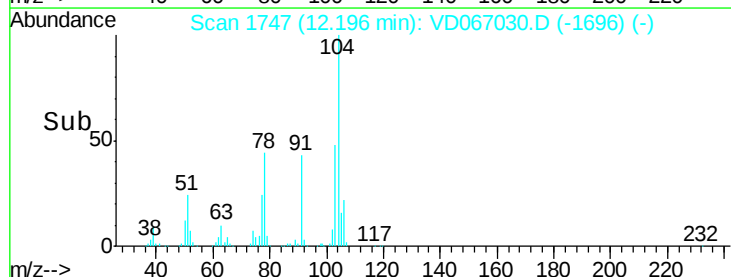
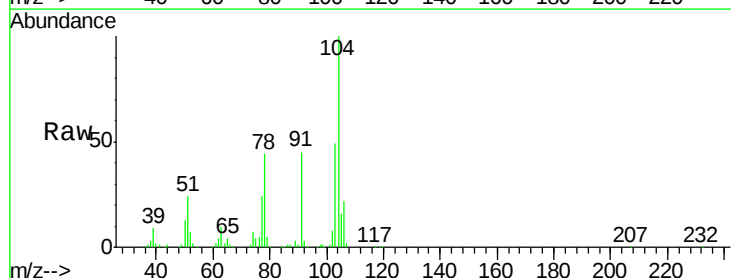
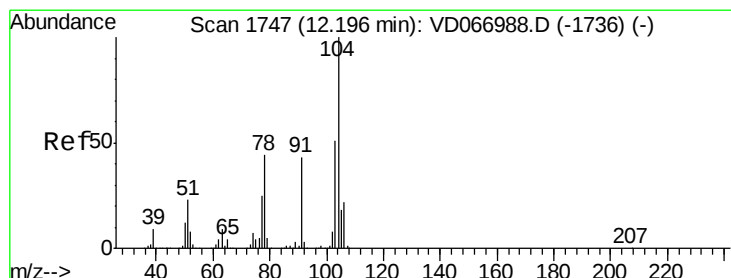
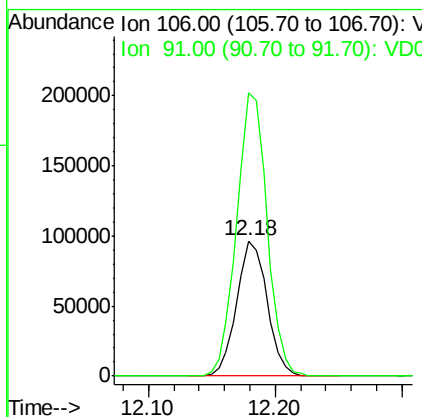
#69
o-Xylene
Concen: 20.216 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Tot Ion	Ratio	Resp	Lower	Upper
106	100	160150		
91	211.1	102.4	307.2	

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

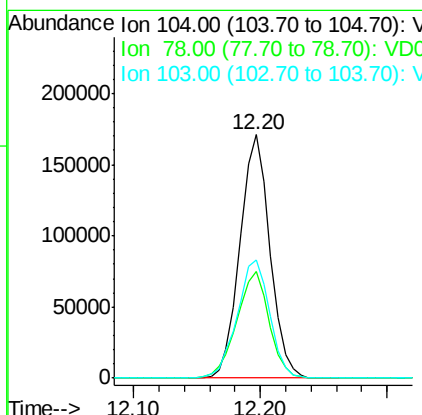
Manual Integrations
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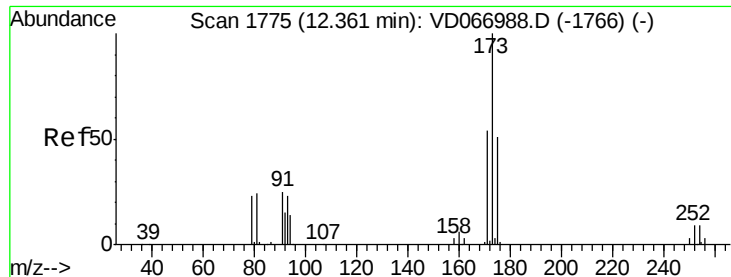
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#70
Styrene
Concen: 20.617 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	280453		
78	47.3	38.6	58.0	
103	52.9	43.4	65.0	





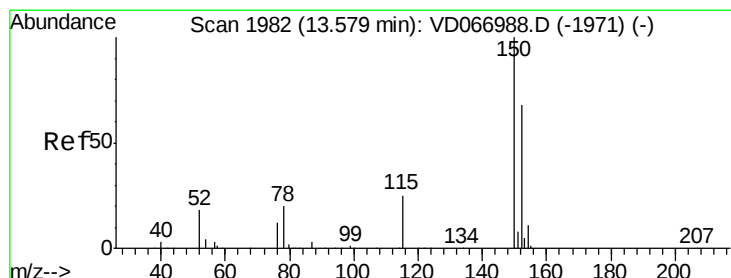
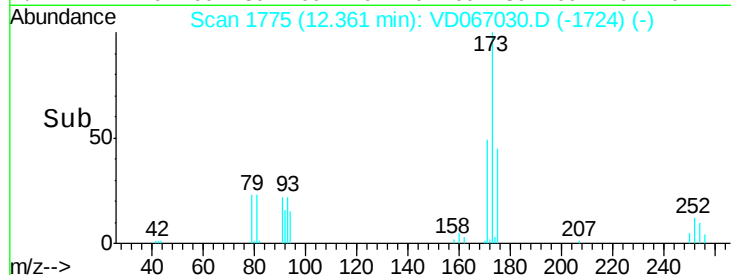
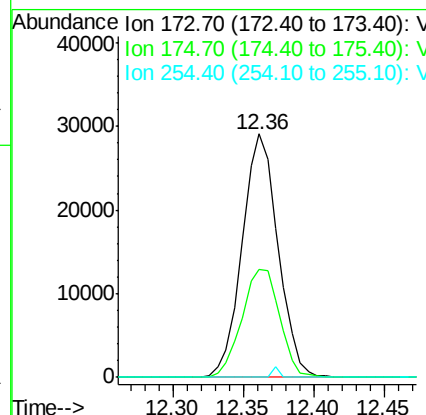
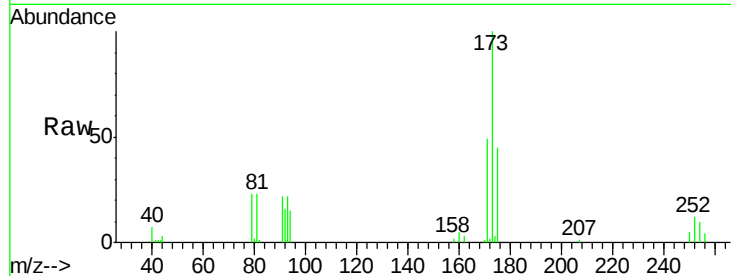
#71
Bromoform
Concen: 19.723 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.0	24.9	74.7
254	0.9	0.2	0.4

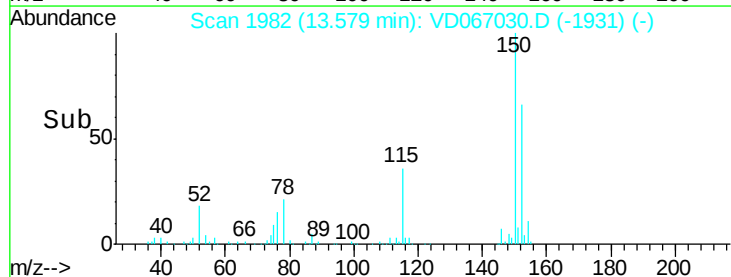
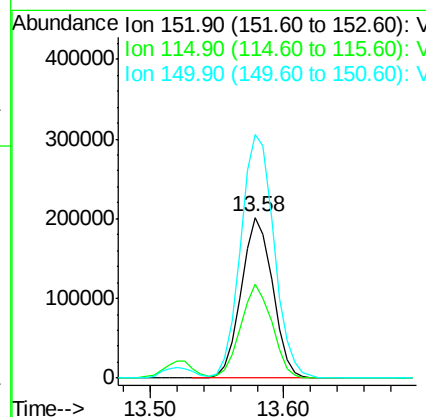
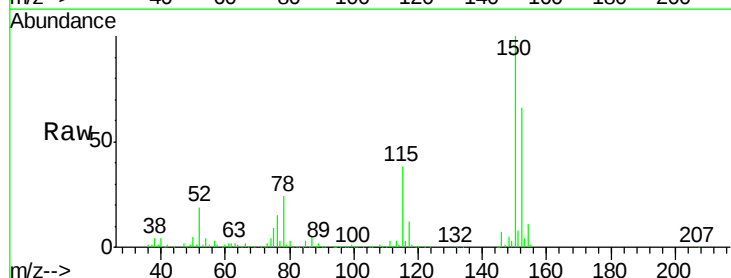
Manual Integrations
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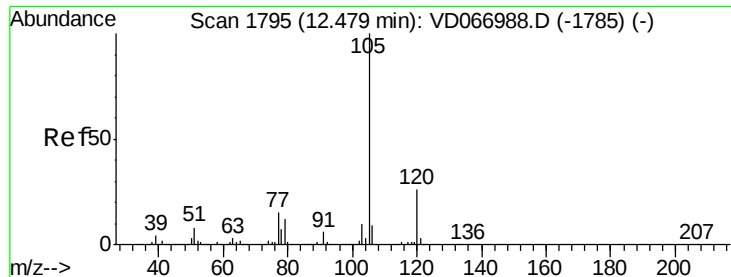
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.5	29.6	88.8
150	161.8	0.0	344.8





#73

Isopropylbenzene

Concen: 20.044 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBS01

Tot Ion: 105 Resp: 445018

Ion Ratio Lower Upper

105 100

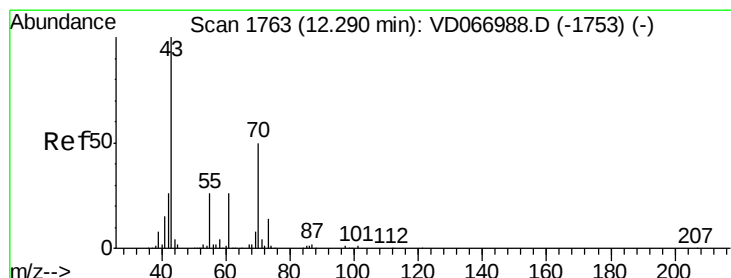
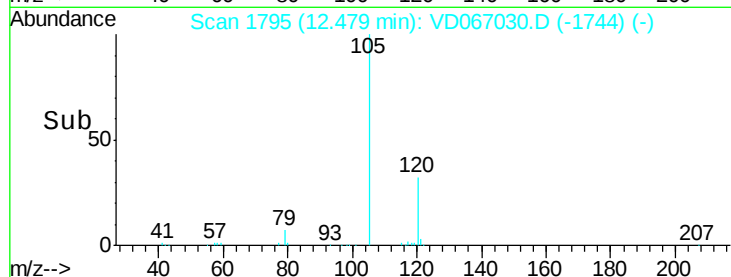
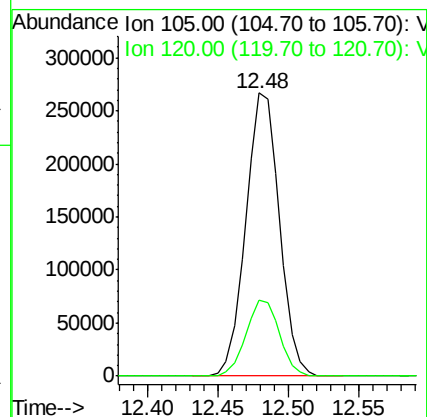
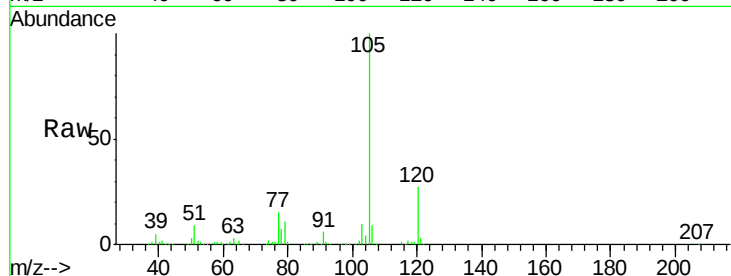
120 26.9 13.3 39.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 18.612 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Tgt Ion: 43 Resp: 74286

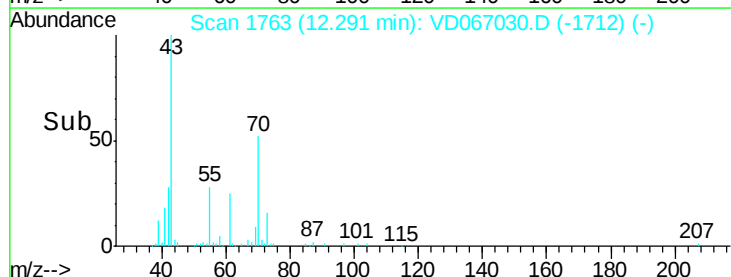
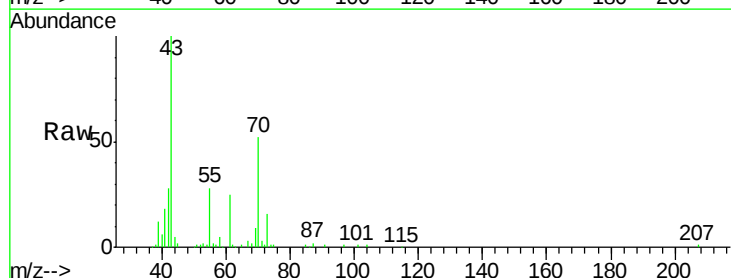
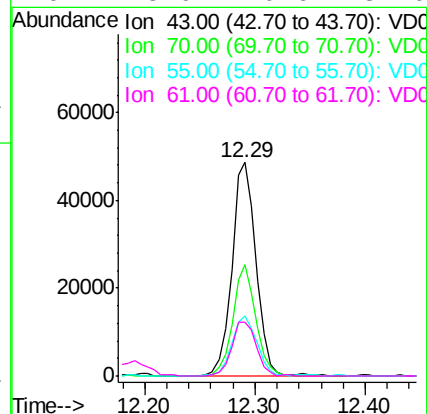
Ion Ratio Lower Upper

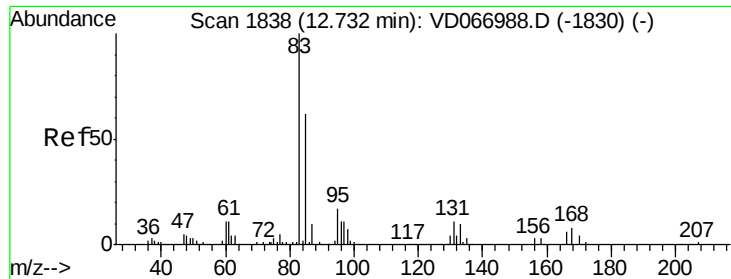
43 100

70 49.5 38.2 57.2

55 29.2 22.4 33.6

61 25.9 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.325 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Instrument :

MSVOA_D

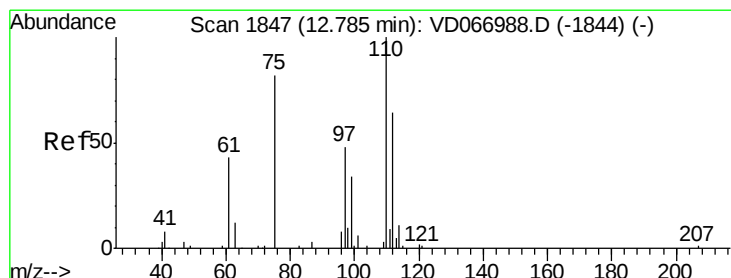
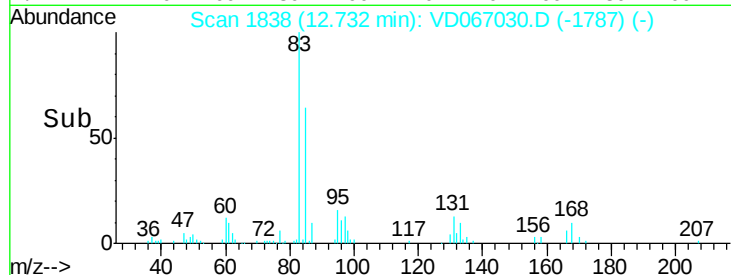
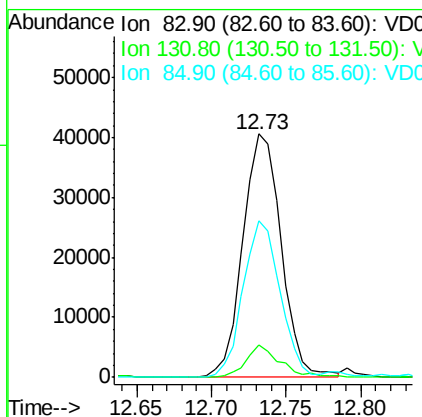
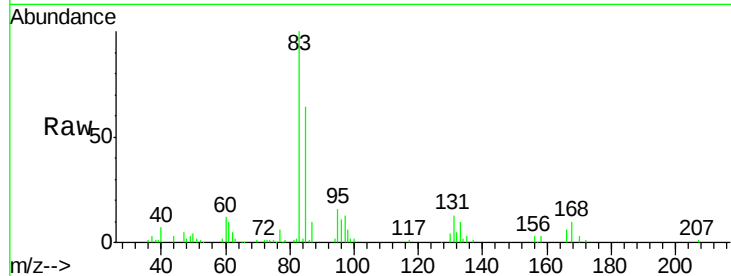
ClientSampleId :

VD1002SBSD01

Tot Ion:	83	Resp:	72289
Ion	Ratio	Lower	Upper
83	100		
131	11.5	5.7	17.0
85	62.0	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 16.367 ug/l m

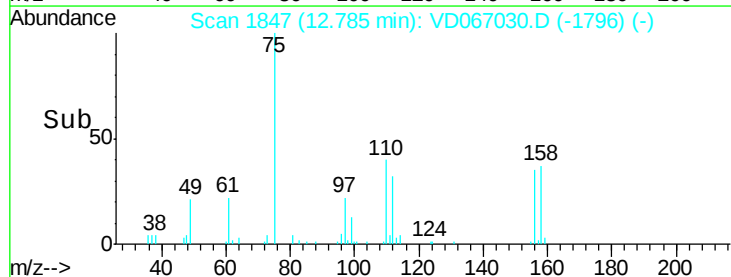
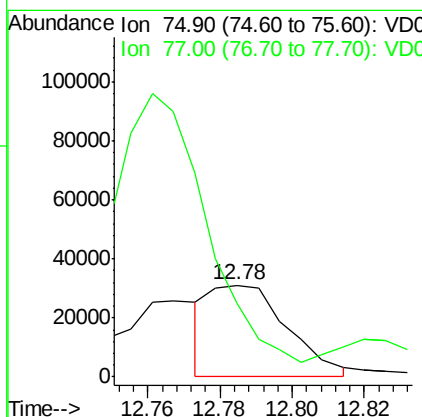
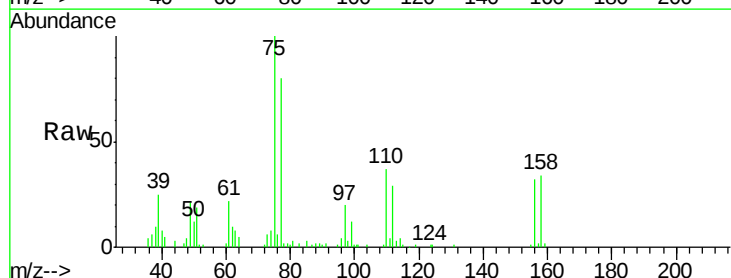
RT: 12.78 min Scan# 1847

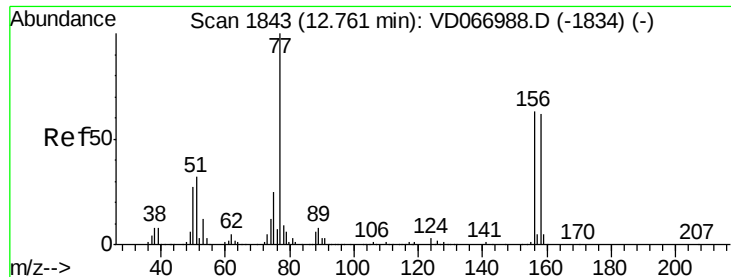
Delta R.T. 0.00 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Tgt Ion:	75	Resp:	46614
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.810 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBSD01

Tot Ion:156 Resp: 106202

Ion Ratio Lower Upper

156 100

77 171.7 86.3 258.8

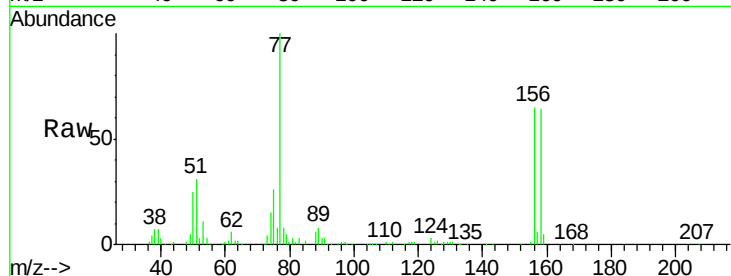
158 101.2 49.5 148.3

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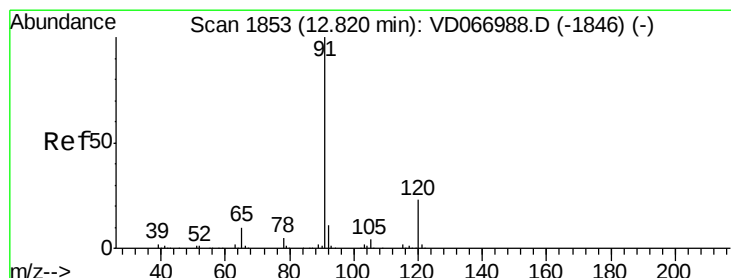
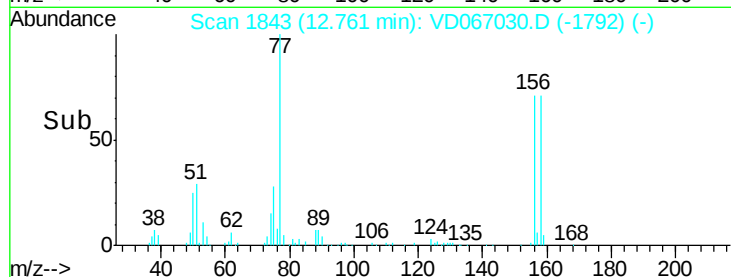
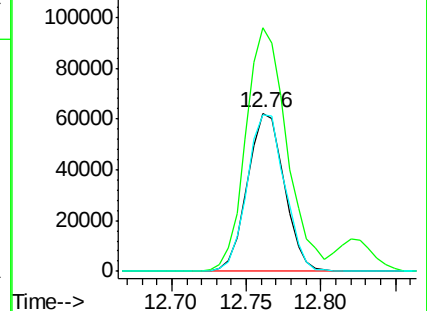
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.293 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD067030.D

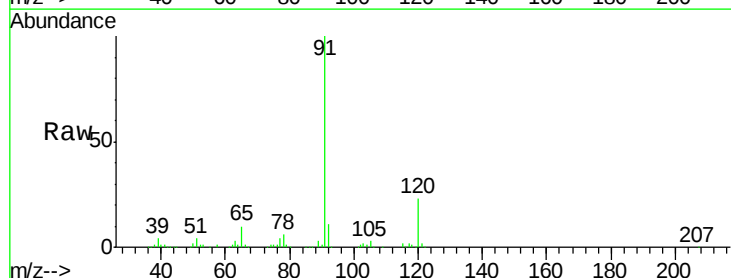
Acq: 02 Oct 2020 12:47

Tgt Ion: 91 Resp: 532465

Ion Ratio Lower Upper

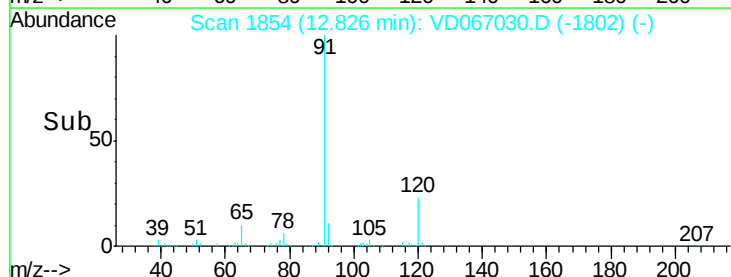
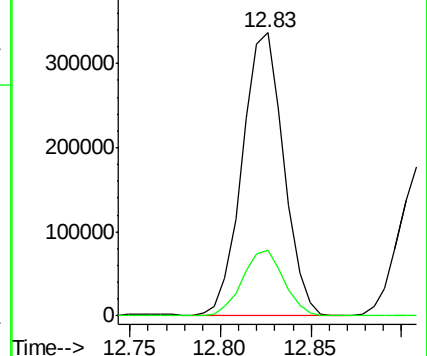
91 100

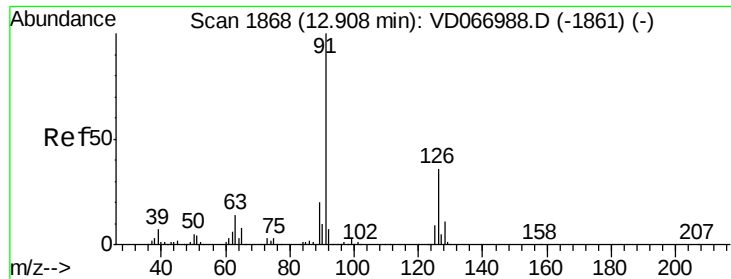
120 23.4 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





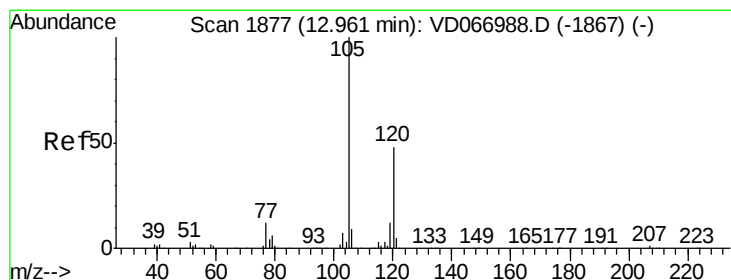
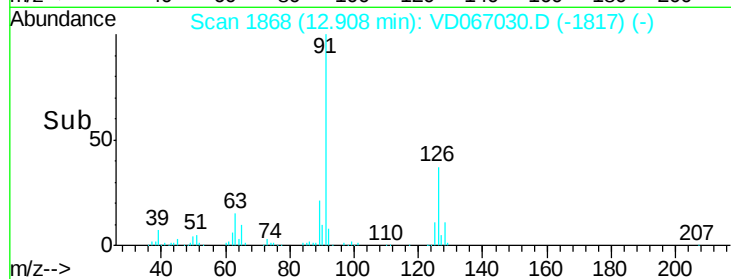
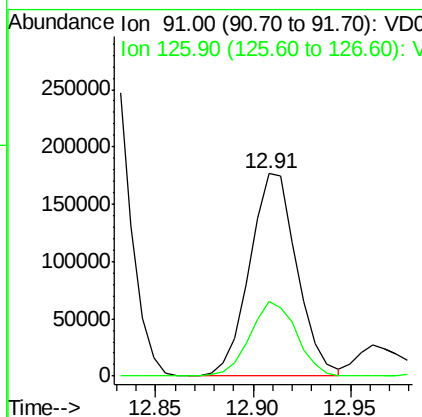
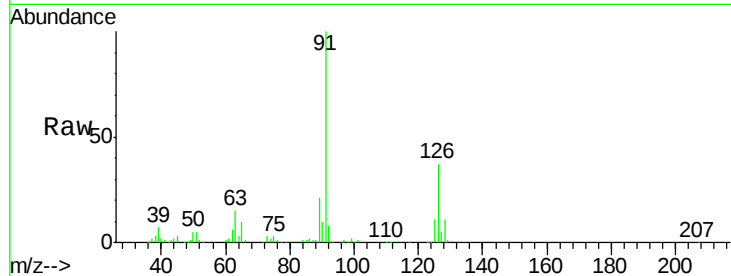
#79
2-Chlorotoluene
Concen: 19.715 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBSD01

Tot Ion: 91 Resp: 295969
Ion Ratio Lower Upper
91 100
126 36.3 17.5 52.6

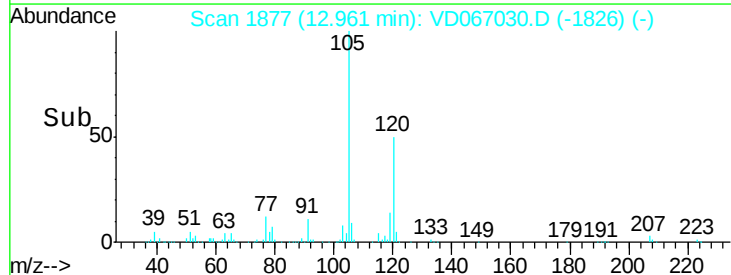
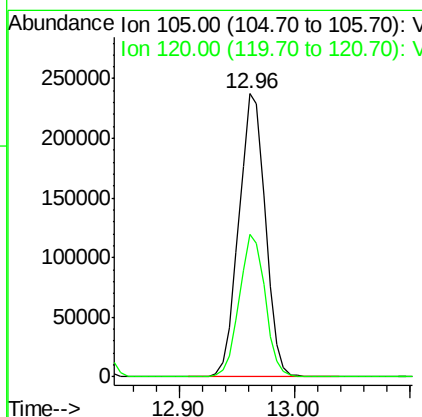
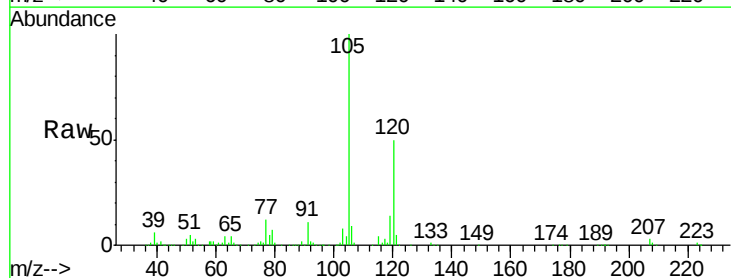
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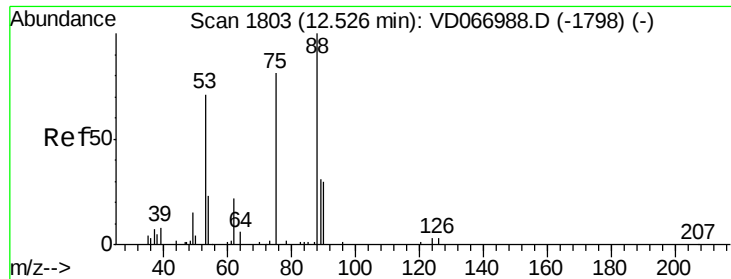
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 20.147 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Tgt Ion: 105 Resp: 377930
Ion Ratio Lower Upper
105 100
120 48.9 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.434 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VD067030.D

Acq: 02 Oct 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

VD1002SBS01

Tot Ion: 75 Resp: 21059

Ion Ratio Lower Upper

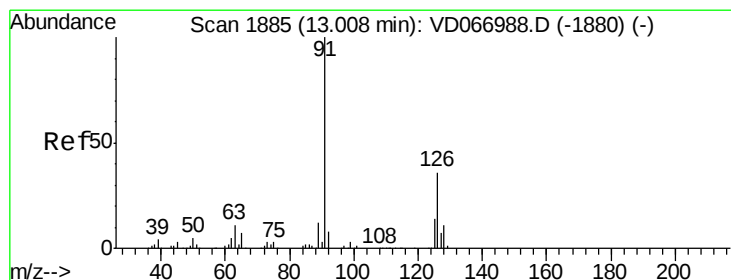
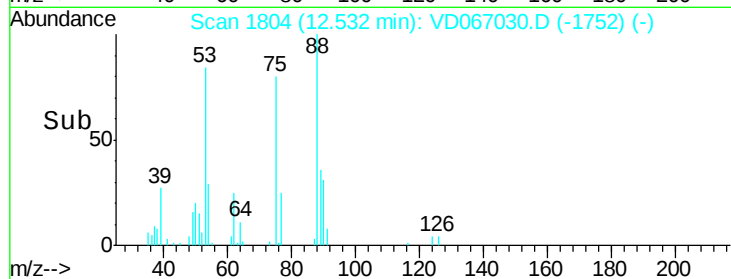
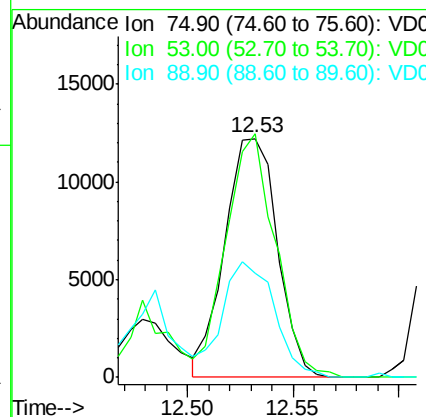
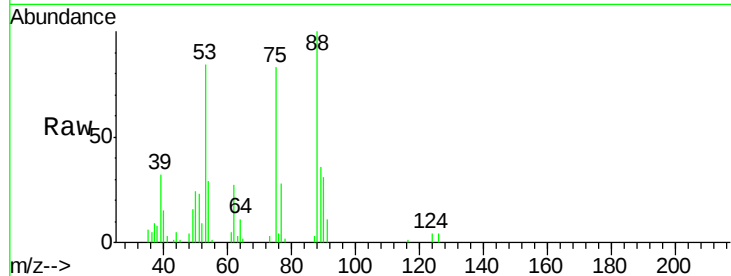
75 100

53 95.6 73.8 110.6

89 48.4 38.9 58.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.899 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD067030.D

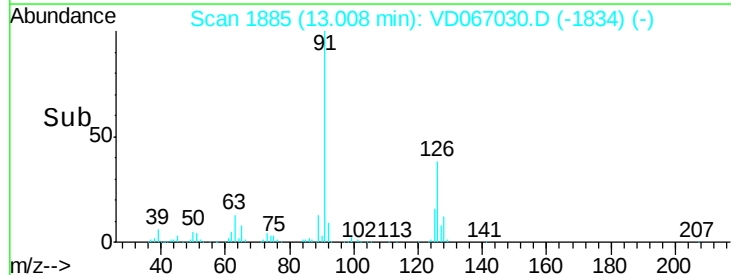
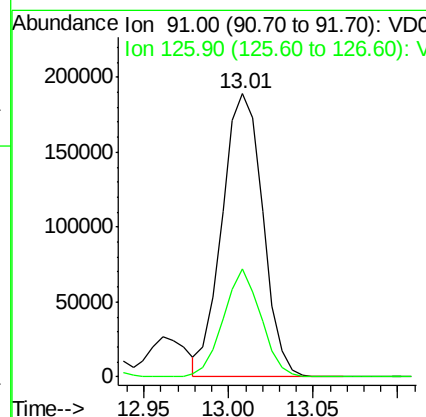
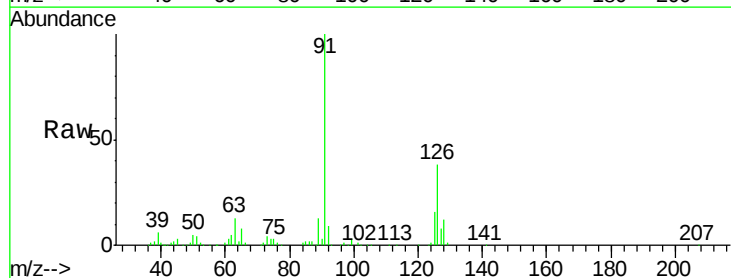
Acq: 02 Oct 2020 12:47

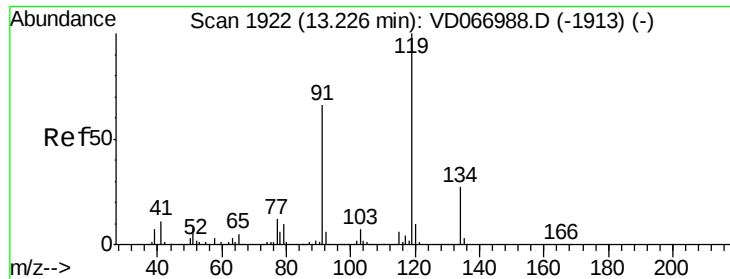
Tgt Ion: 91 Resp: 317834

Ion Ratio Lower Upper

91 100

126 35.2 17.5 52.5





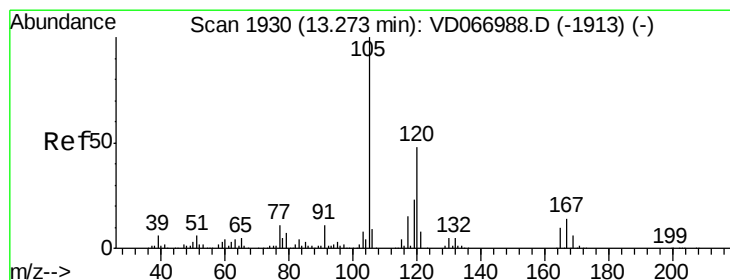
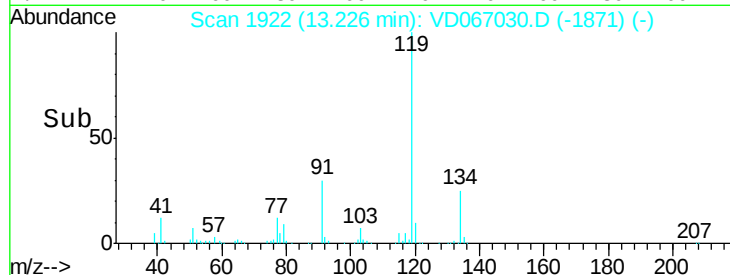
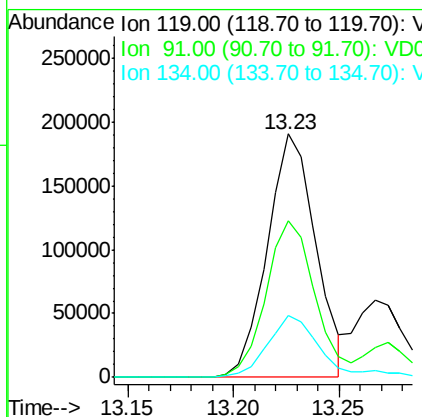
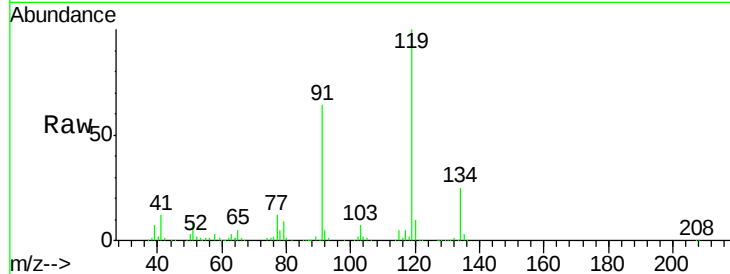
#83
tert-Butylbenzene
Concen: 19.277 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.3	32.8	98.3
134	28.0	13.9	41.7

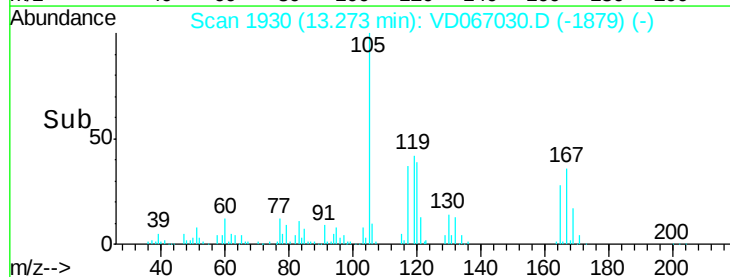
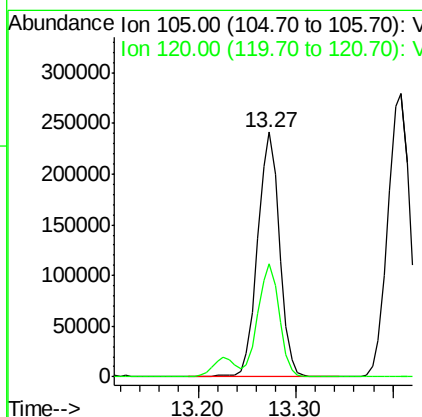
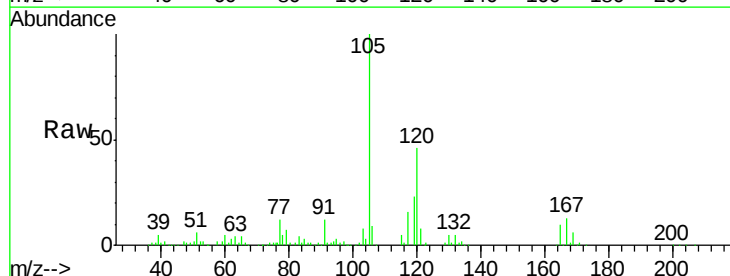
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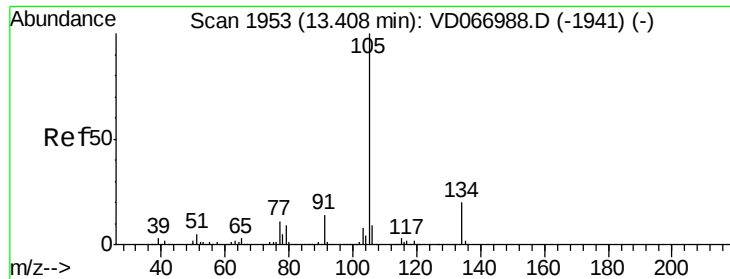
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.259 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	23.3	69.8





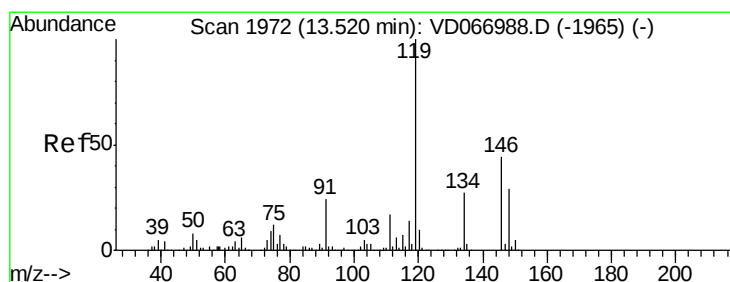
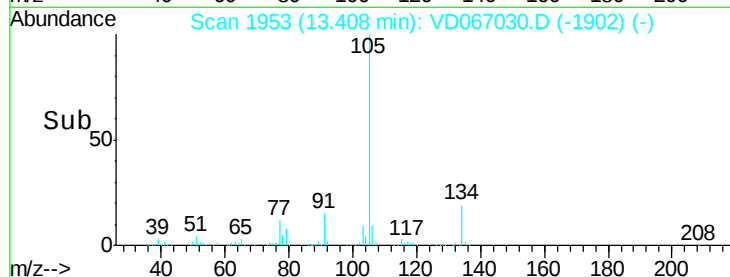
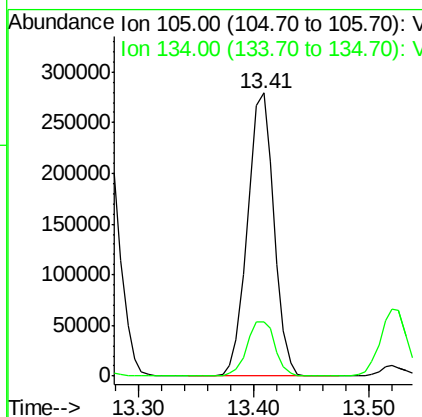
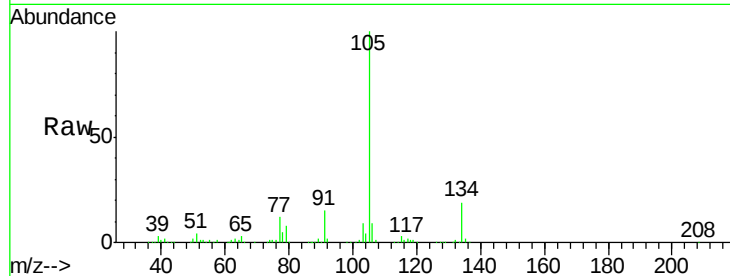
#85
 sec-Butylbenzene
 Concen: 20.033 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067030.D
 Acq: 02 Oct 2020 12:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.3	30.8

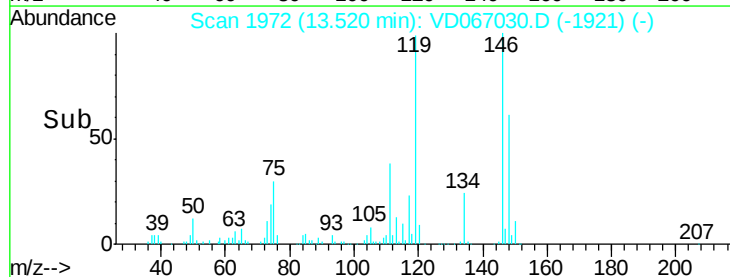
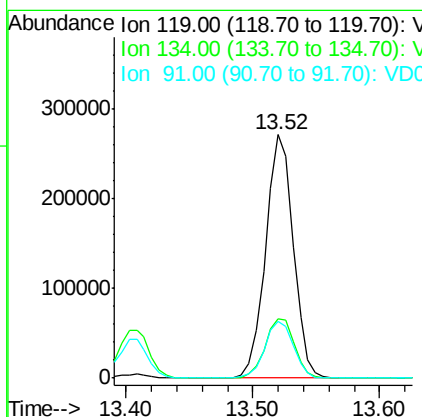
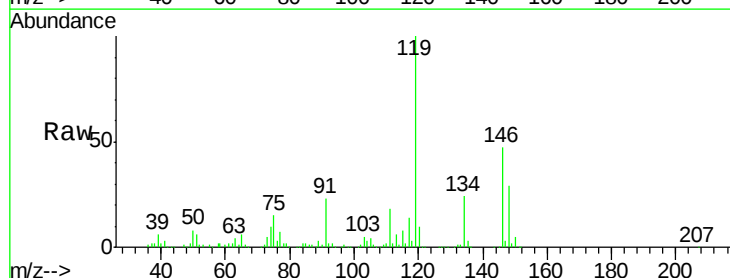
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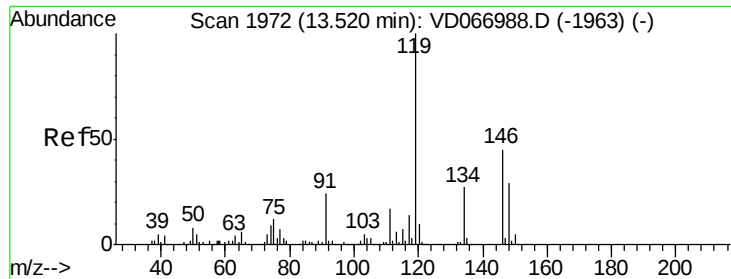
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 19.969 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067030.D
 Acq: 02 Oct 2020 12:47

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.1	39.1
91	23.7	11.7	35.1





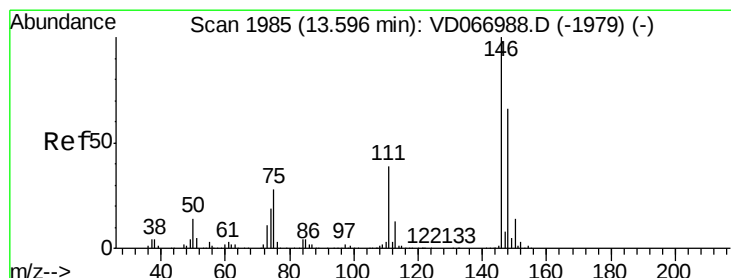
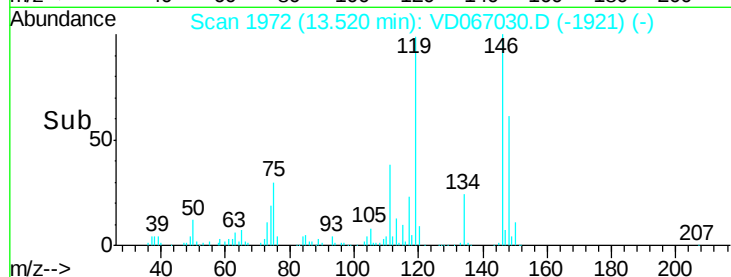
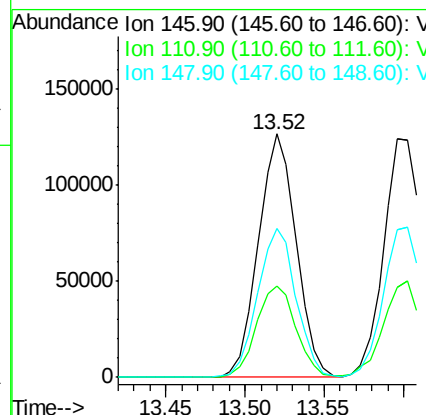
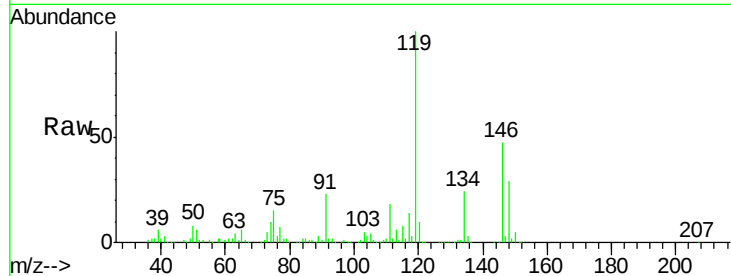
#87
 1,3-Dichlorobenzene
 Concen: 20.114 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067030.D
 Acq: 02 Oct 2020 12:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	210032		
111	39.4	20.0	60.0	
148	62.3	31.9	95.9	

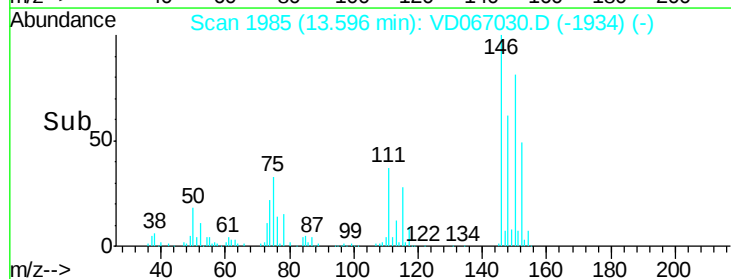
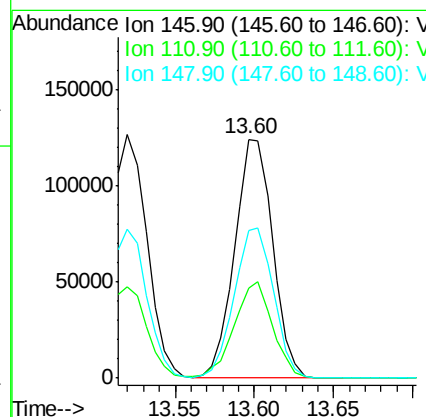
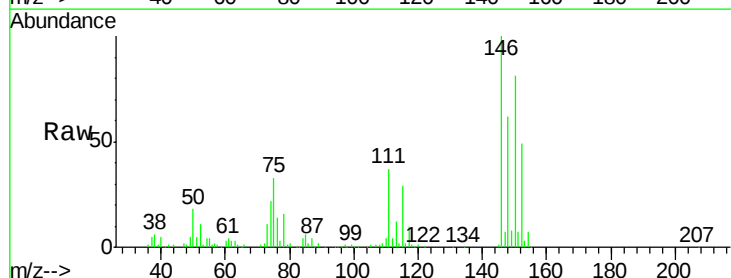
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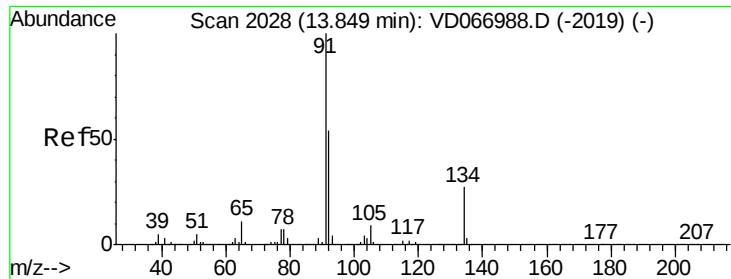
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#88
 1,4-Dichlorobenzene
 Concen: 19.821 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD067030.D
 Acq: 02 Oct 2020 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	206956		
111	40.8	19.6	58.7	
148	64.8	32.6	97.7	





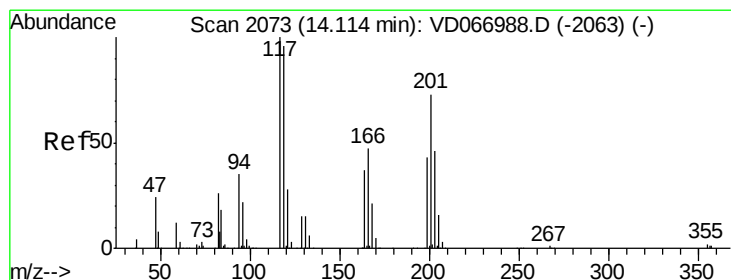
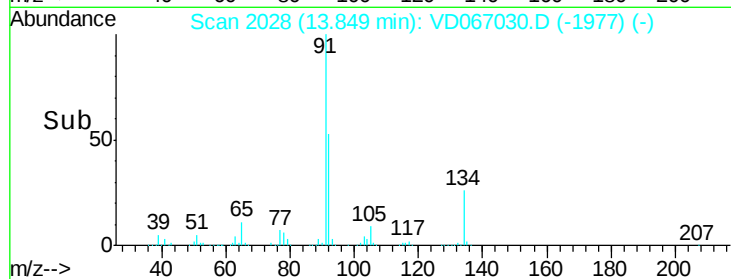
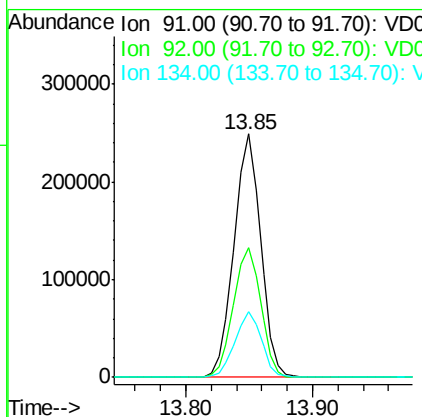
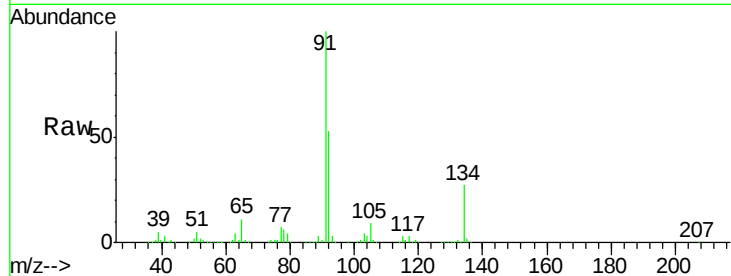
#89
n-Butylbenzene
Concen: 19.266 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.1	81.2
134	26.6	13.6	40.8

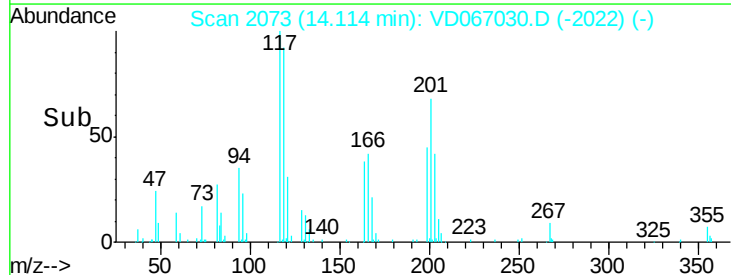
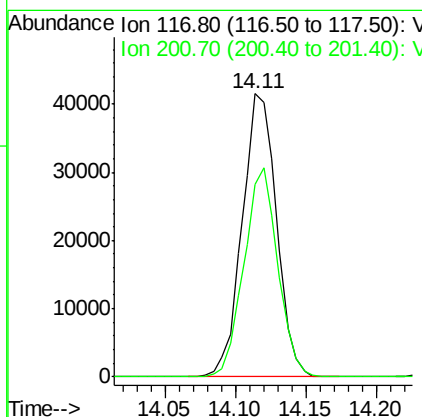
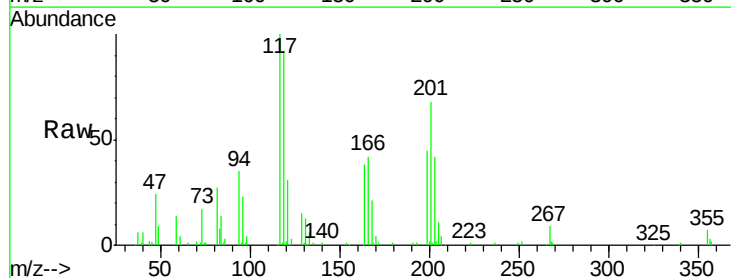
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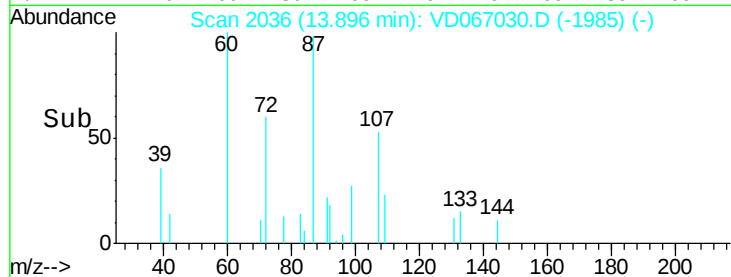
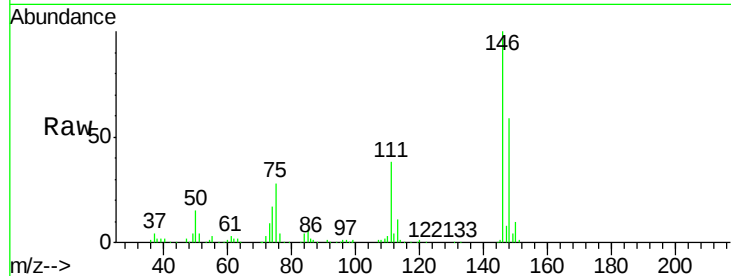
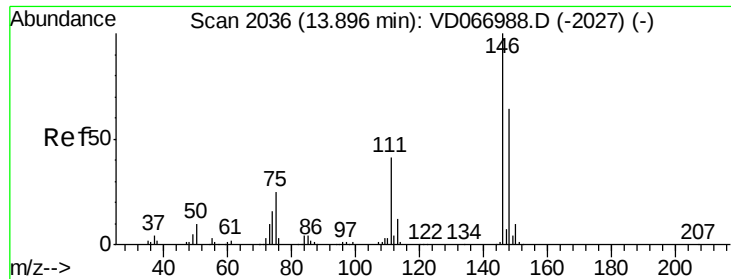
MMDadoda
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#90
Hexachloroethane
Concen: 19.589 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.9	37.0	110.9





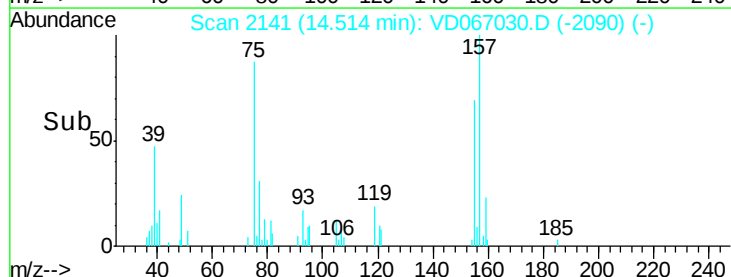
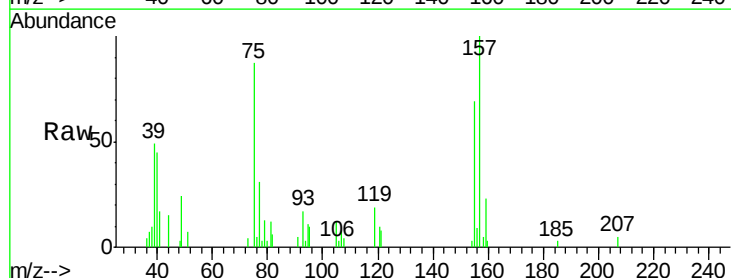
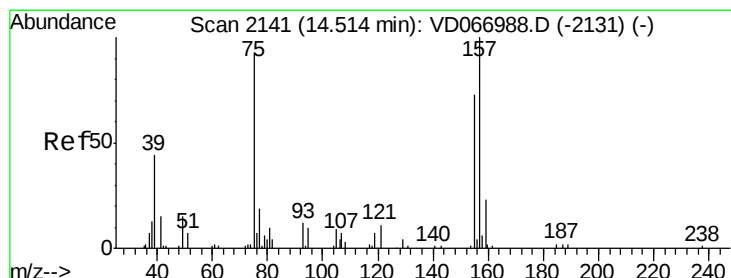
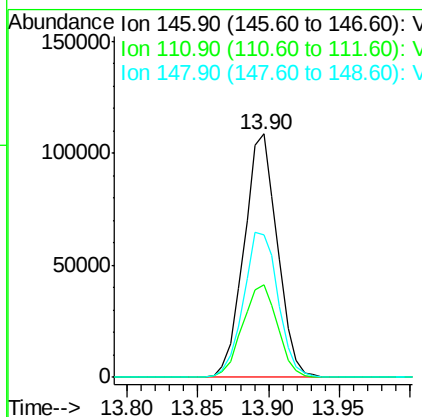
#91
 1,2-Dichlorobenzene
 Concen: 19.749 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067030.D
 Acq: 02 Oct 2020 12:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	180102		
111	39.9	20.9	62.7	
148	61.8	32.3	96.9	

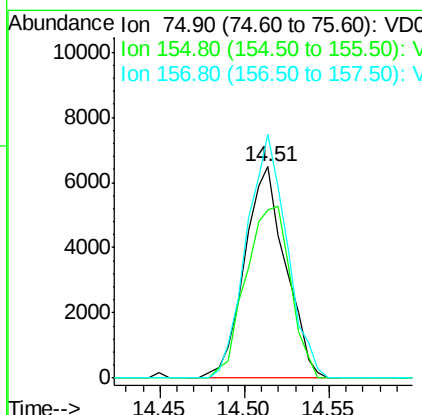
Manual Integrations
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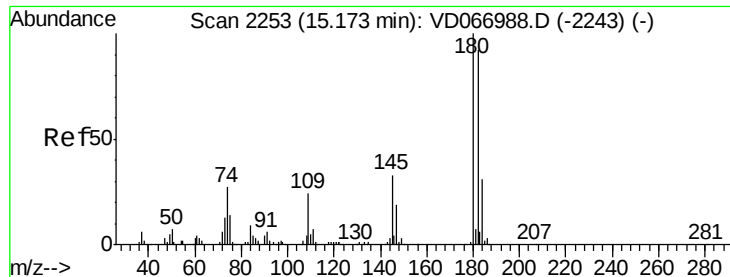
MMDadoda
 10/5/2020 5:34:27 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.171 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067030.D
 Acq: 02 Oct 2020 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	10957		
155	88.0	45.2	135.6	
157	113.0	56.3	168.8	





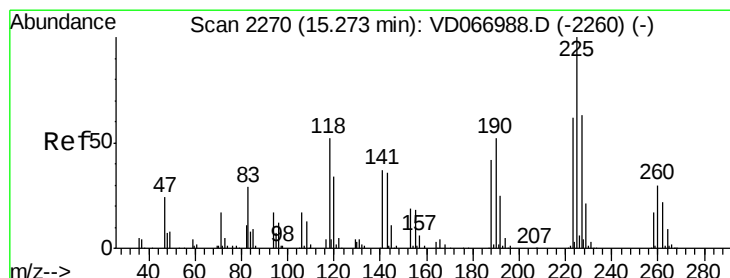
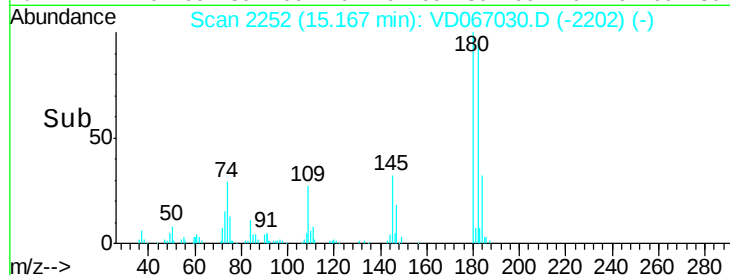
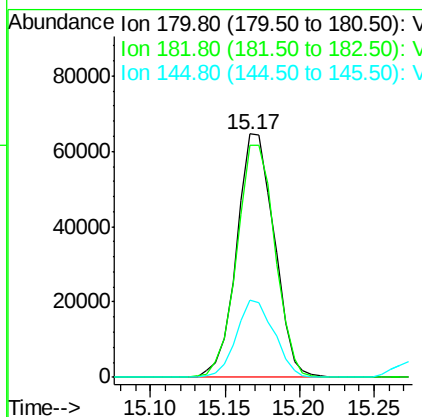
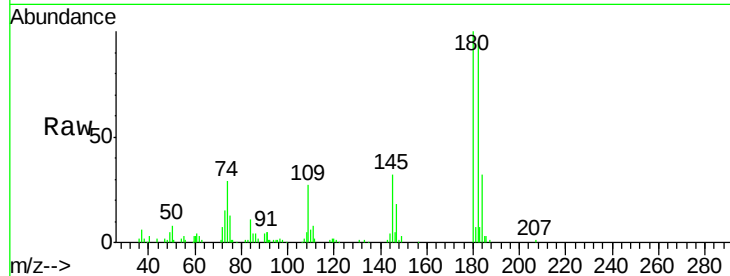
#93
 1,2,4-Trichlorobenzene
 Concen: 19.180 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD067030.D
 Acq: 02 Oct 2020 12:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1002SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	113140		
182	96.7	47.3	142.0	
145	31.9	16.4	49.1	

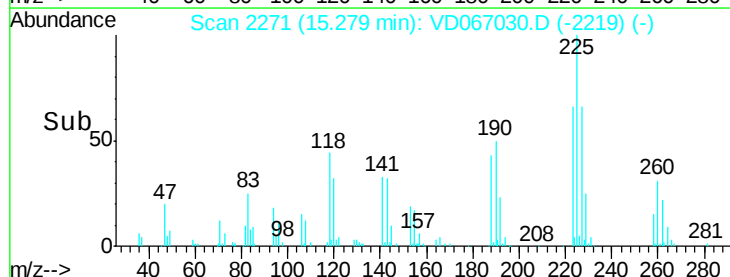
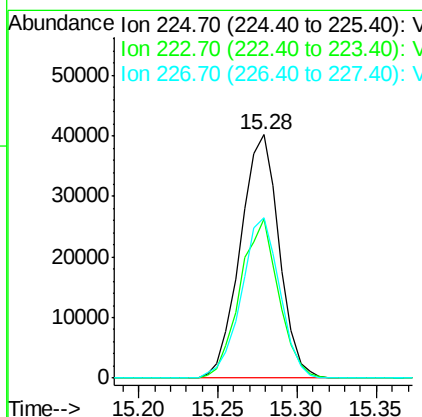
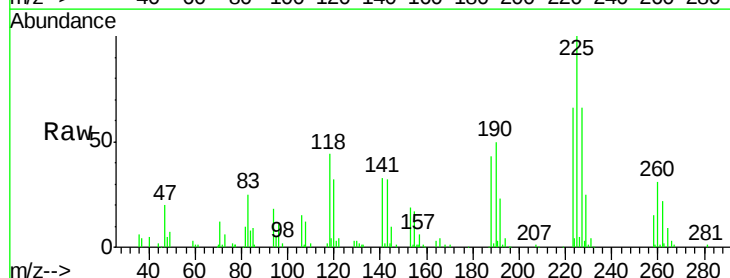
Manual Integrations
 APPROVED

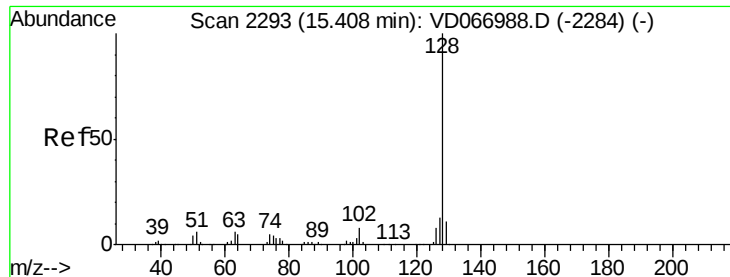
MMDadoda
 10/5/2020 5:34:27 PM



#94
 Hexachlorobutadiene
 Concen: 18.837 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD067030.D
 Acq: 02 Oct 2020 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	68240		
223	64.9	32.4	97.0	
227	65.2	31.6	95.0	





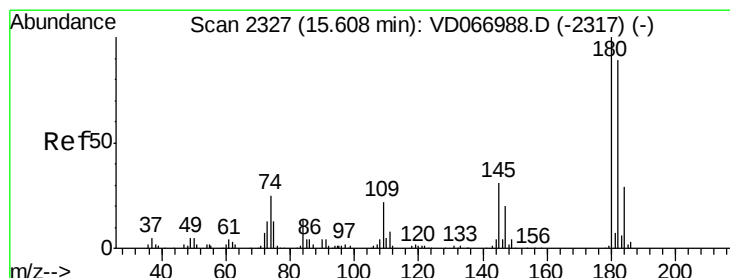
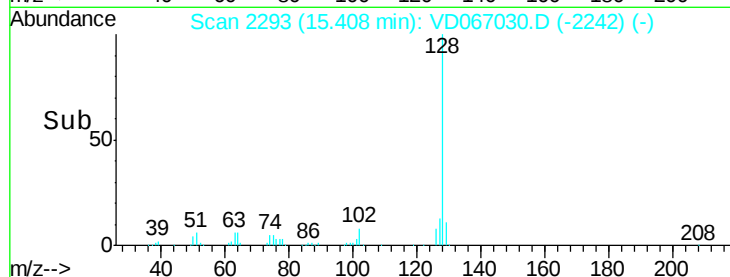
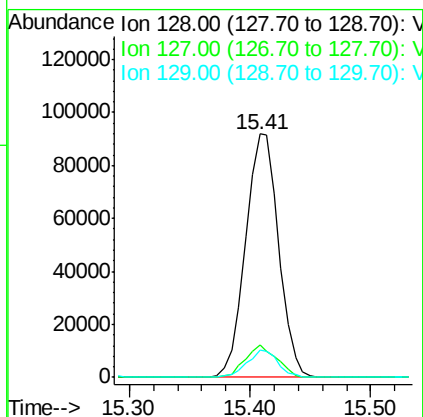
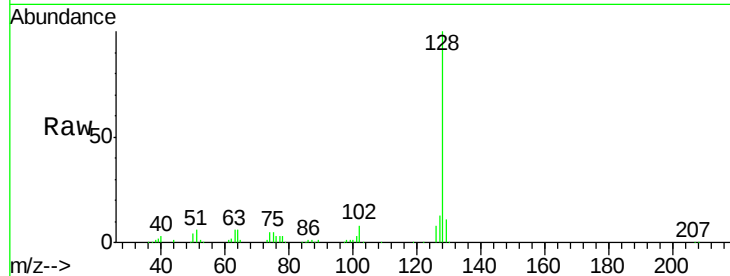
#95
Naphthalene
Concen: 17.787 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :
VD1002SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.6	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/5/2020 5:34:27 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.706 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD067030.D
Acq: 02 Oct 2020 12:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.9	46.4	139.1
145	34.4	16.6	49.7

