

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102820\
 Data File : VD067430.D
 Acq On : 28 Oct 2020 13:31
 Operator : VA/SY
 Sample : VD1028SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1028SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/29/2020 12:00:54 PM

Quant Time: Oct 29 01:01:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	311082	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	458540	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	433725	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	219686	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	159212	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	
35) Dibromofluoromethane	7.92	113	163751	53.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.32%	
50) Toluene-d8	10.34	98	580113	52.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.06%	
62) 4-Bromofluorobenzene	12.64	95	203580	53.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	48501	16.493	ug/l	99
3) Chloromethane	2.21	50	36309	18.546	ug/l	98
4) Vinyl Chloride	2.35	62	39076	18.191	ug/l	94
5) Bromomethane	2.76	94	30768	19.133	ug/l	90
6) Chloroethane	2.92	64	24780	18.523	ug/l	95
7) Trichlorofluoromethane	3.27	101	109340	20.214	ug/l	97
8) Diethyl Ether	3.70	74	25483	20.588	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	58731	20.436	ug/l	100
10) Methyl Iodide	4.30	142	47979	18.098	ug/l	99
11) Tert butyl alcohol	5.21	59	21502	106.535	ug/l #	93
12) 1,1-Dichloroethene	4.07	96	50380	19.623	ug/l	89
13) Acrolein	3.93	56	8563	63.653	ug/l	100
14) Allyl chloride	4.71	41	56572	19.241	ug/l	99
15) Acrylonitrile	5.43	53	42192	102.159	ug/l	96
16) Acetone	4.16	43	45412	104.042	ug/l	97
17) Carbon Disulfide	4.41	76	133910	18.296	ug/l	100
18) Methyl Acetate	4.72	43	20096	20.186	ug/l	91
19) Methyl tert-butyl Ether	5.48	73	103816	20.336	ug/l	94
20) Methylene Chloride	4.96	84	65910	20.968	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	59357	20.090	ug/l	98
22) Diisopropyl ether	6.36	45	116269	21.648	ug/l	95
23) Vinyl Acetate	6.31	43	313565	102.617	ug/l	100
24) 1,1-Dichloroethane	6.27	63	95248	20.717	ug/l	96
25) 2-Butanone	7.21	43	52125	104.766	ug/l	89
26) 2,2-Dichloropropane	7.21	77	96870	20.441	ug/l	97
27) cis-1,2-Dichloroethene	7.22	96	69375	21.425	ug/l	99
28) Bromochloromethane	7.55	49	29504	18.814	ug/l	99
29) Tetrahydrofuran	7.56	42	29899	108.106	ug/l #	85
30) Chloroform	7.71	83	115050	20.947	ug/l	90
31) Cyclohexane	7.98	56	67857	18.904	ug/l	89
32) 1,1,1-Trichloroethane	7.90	97	108929	20.214	ug/l	95
36) 1,1-Dichloropropene	8.11	75	78834	20.284	ug/l	97
37) Ethyl Acetate	7.30	43	26228	22.938	ug/l #	91
38) Carbon Tetrachloride	8.10	117	104993	21.137	ug/l	98

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 APPROVED

MMDadoda
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 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	82583	20.326	ug/l	97
40) Benzene	8.36	78	226168	21.213	ug/l	97
41) Methacrylonitrile	7.54	41	13801m	22.335	ug/l	
42) 1,2-Dichloroethane	8.43	62	71763	21.508	ug/l	99
43) Isopropyl Acetate	8.46	43	48924	21.563	ug/l	98
44) Trichloroethene	9.11	130	71875	21.055	ug/l	97
45) 1,2-Dichloropropane	9.40	63	53332	21.583	ug/l	97
46) Dibromomethane	9.48	93	31934	20.742	ug/l	99
47) Bromodichloromethane	9.67	83	89443	21.684	ug/l	93
48) Methyl methacrylate	9.46	41	22869	20.741	ug/l	96
49) 1,4-Dioxane	9.47	88	6586	424.574	ug/l #	90
51) 4-Methyl-2-Pentanone	10.23	43	119693	105.767	ug/l	98
52) Toluene	10.41	92	160734	22.134	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	76984	21.246	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	88971	20.981	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	47983	22.856	ug/l	89
56) Ethyl methacrylate	10.67	69	48795	22.411	ug/l	94
57) 1,3-Dichloropropane	10.96	76	73317	21.944	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	121242	108.547	ug/l	98
59) 2-Hexanone	10.99	43	81429	105.300	ug/l	98
60) Dibromochloromethane	11.14	129	66401	21.688	ug/l	96
61) 1,2-Dibromoethane	11.25	107	44211	21.361	ug/l	98
64) Tetrachloroethene	10.88	164	65028	20.693	ug/l	97
65) Chlorobenzene	11.67	112	178405	21.450	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	71906	21.753	ug/l	99
67) Ethyl Benzene	11.75	91	299593	21.013	ug/l	99
68) m/p-Xylenes	11.86	106	237039	43.175	ug/l	98
69) o-Xylene	12.18	106	105757	20.802	ug/l	96
70) Styrene	12.20	104	184808	21.117	ug/l	99
71) Bromoform	12.37	173	39534	22.262	ug/l #	94
73) Isopropylbenzene	12.48	105	294833	21.146	ug/l	97
74) N-amyl acetate	12.29	43	43303	20.564	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	43440	20.334	ug/l	93
76) 1,2,3-Trichloropropane	12.79	75	34590m	22.717	ug/l	
77) Bromobenzene	12.77	156	74847	21.532	ug/l	97
78) n-propylbenzene	12.83	91	344527	21.327	ug/l	99
79) 2-Chlorotoluene	12.91	91	201618	21.521	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	264869	21.861	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	13859	20.641	ug/l	95
82) 4-Chlorotoluene	13.01	91	216895	21.814	ug/l	100
83) tert-Butylbenzene	13.23	119	222483	21.738	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	266680	22.269	ug/l	99
85) sec-Butylbenzene	13.41	105	297481	21.183	ug/l	99
86) p-Isopropyltoluene	13.52	119	289193	21.817	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	147934	22.111	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	144195	21.753	ug/l	99
89) n-Butylbenzene	13.85	91	242413	20.788	ug/l	100
90) Hexachloroethane	14.12	117	48609	21.015	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	125458	21.465	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	8197	21.120	ug/l	94

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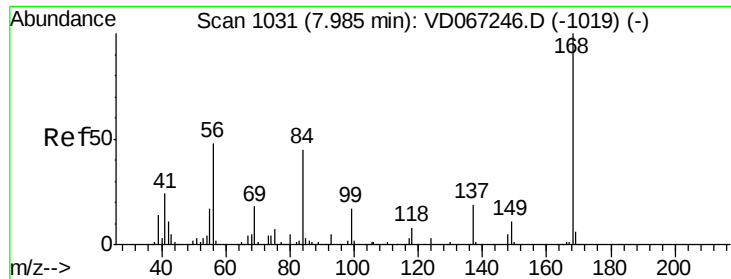
Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	81759	20.747	ug/l	98
94) Hexachlorobutadiene	15.27	225	53934	22.039	ug/l	98
95) Naphthalene	15.41	128	129404	20.000	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	70541	20.720	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBS01

Tot Ion:168 Resp: 311082

Ion Ratio Lower Upper

168 100

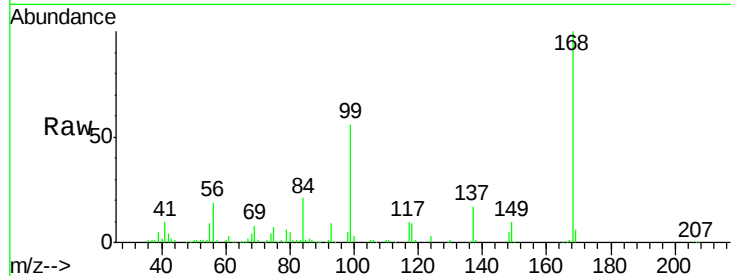
99 55.5 45.9 68.9

Manual Integrations

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10/29/2020 12:00:54 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

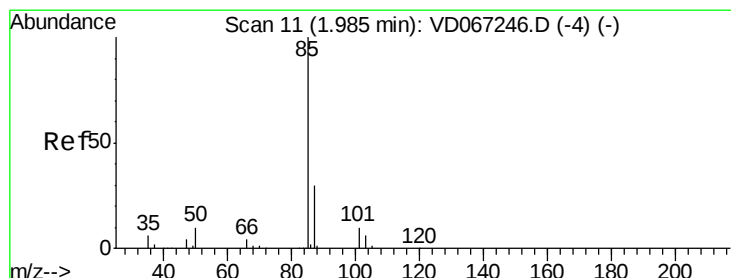
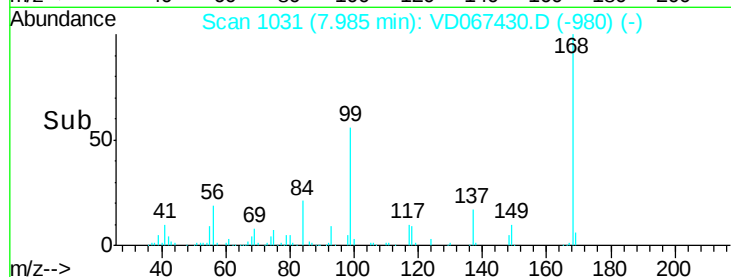
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 16.493 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067430.D

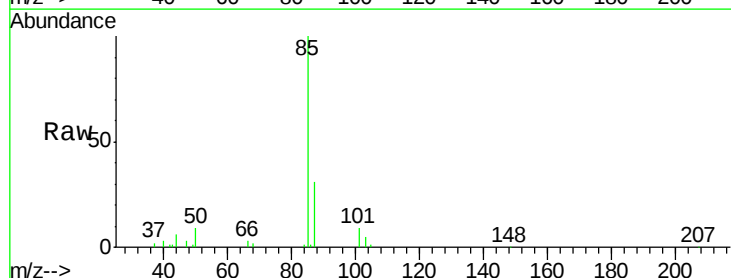
Acq: 28 Oct 2020 13:31

Tgt Ion: 85 Resp: 48501

Ion Ratio Lower Upper

85 100

87 31.2 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

30000

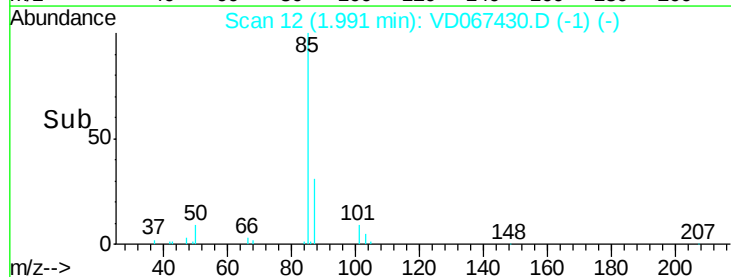
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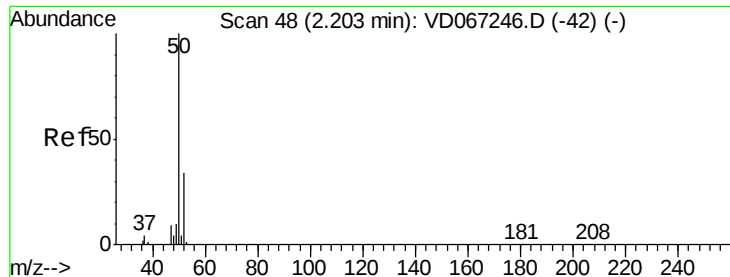
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0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 18.546 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBS01

Tot Ion: 50 Resp: 36309

Ion Ratio Lower Upper

50 100

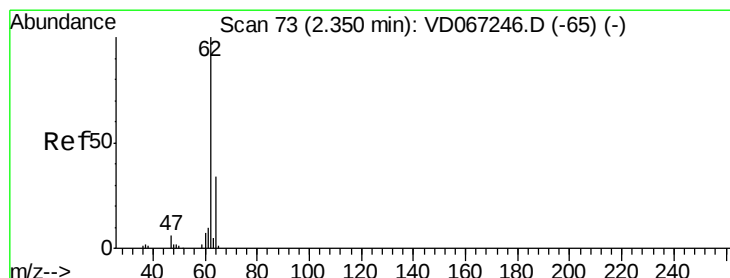
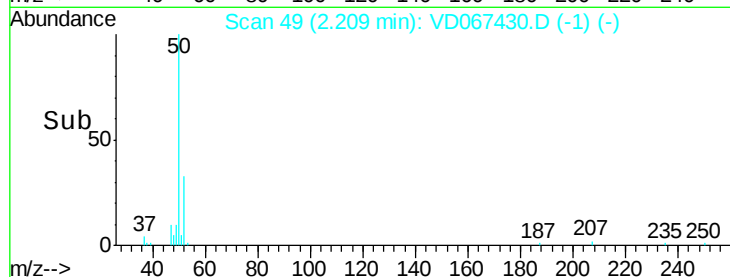
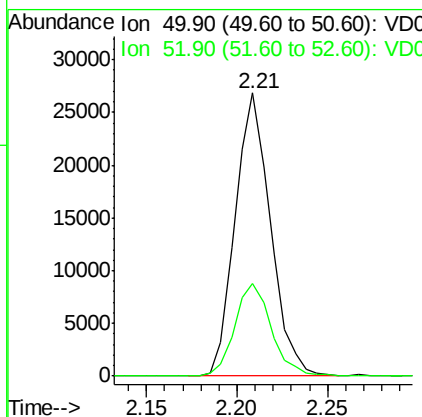
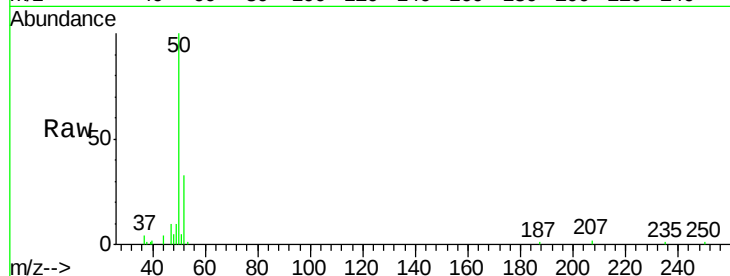
52 32.8 27.1 40.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.191 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067430.D

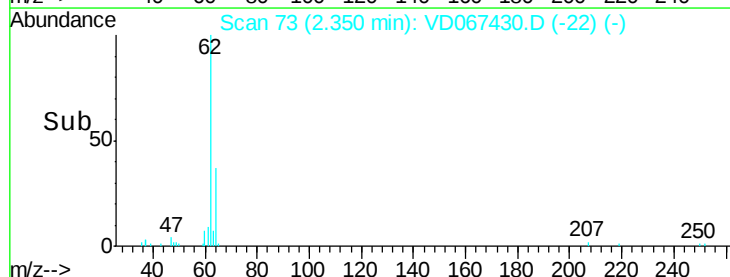
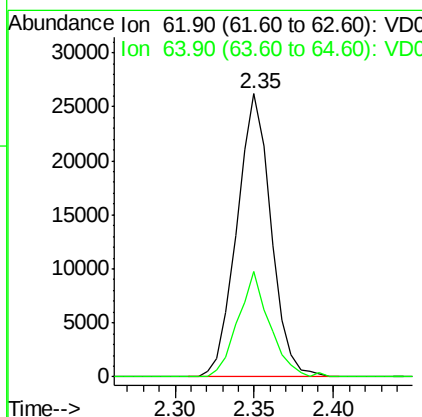
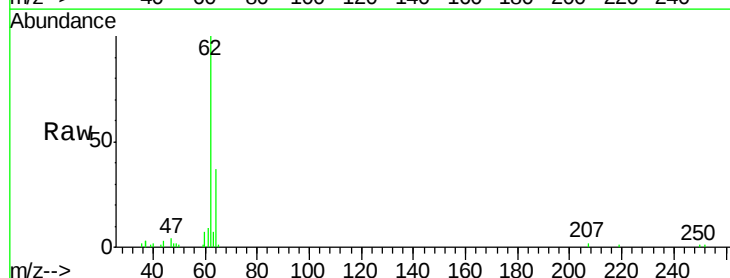
Acq: 28 Oct 2020 13:31

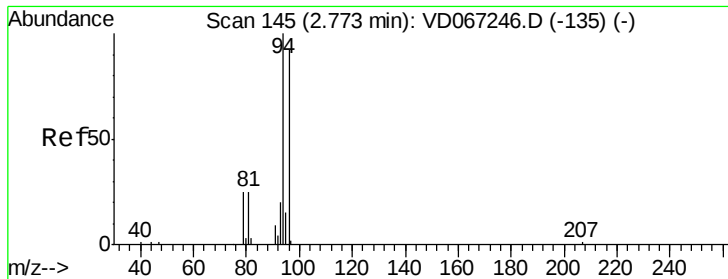
Tgt Ion: 62 Resp: 39076

Ion Ratio Lower Upper

62 100

64 37.5 27.4 41.0





#5

Bromomethane

Concen: 19.133 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBS01

Tot Ion: 94 Resp: 30768

Ion Ratio Lower Upper

94 100

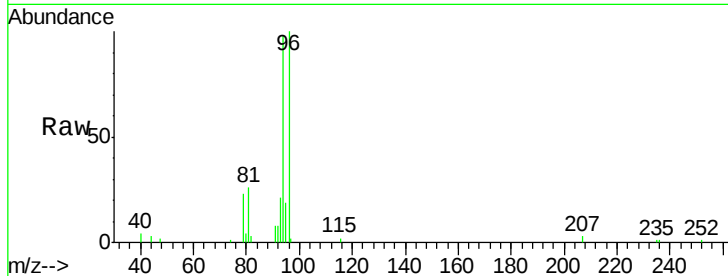
96 102.2 73.8 110.6

Manual Integrations

APPROVED

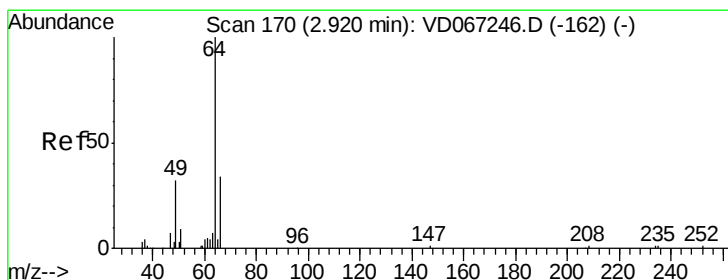
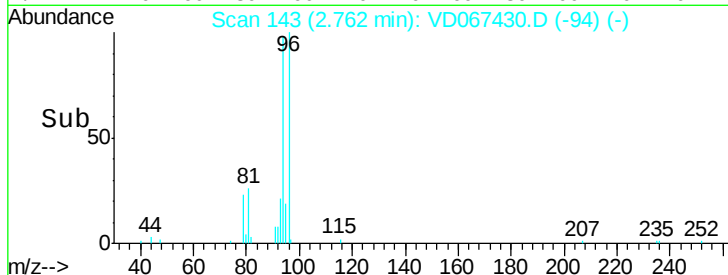
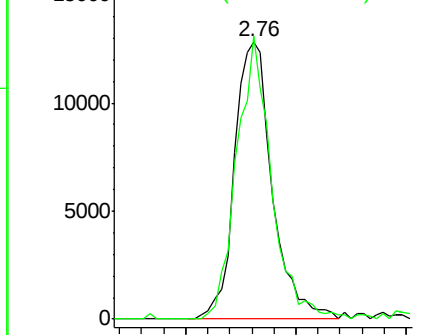
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 18.523 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067430.D

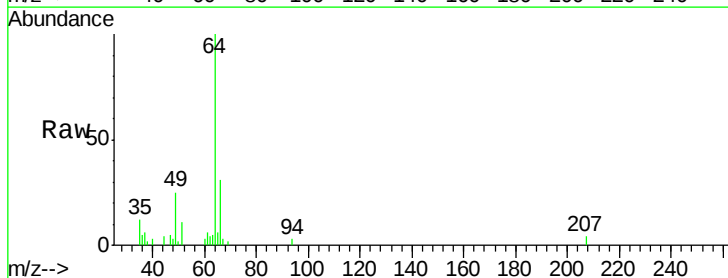
Acq: 28 Oct 2020 13:31

Tgt Ion: 64 Resp: 24780

Ion Ratio Lower Upper

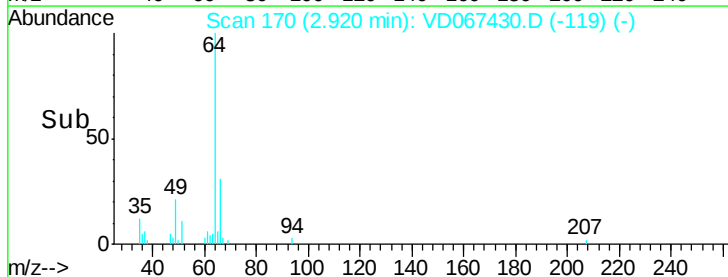
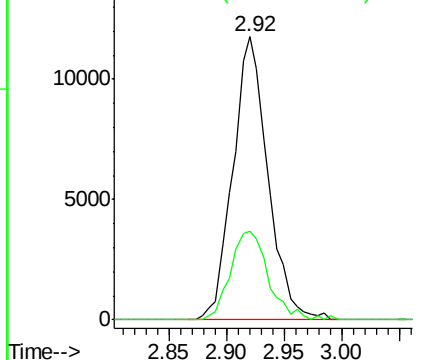
64 100

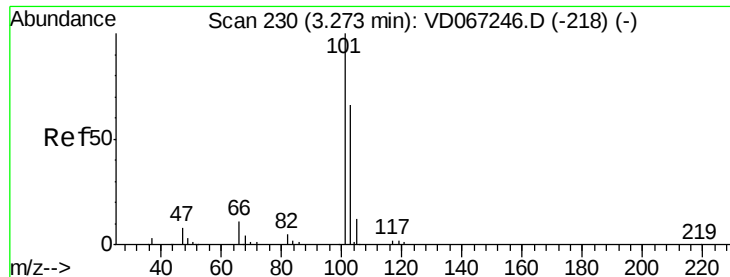
66 31.2 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

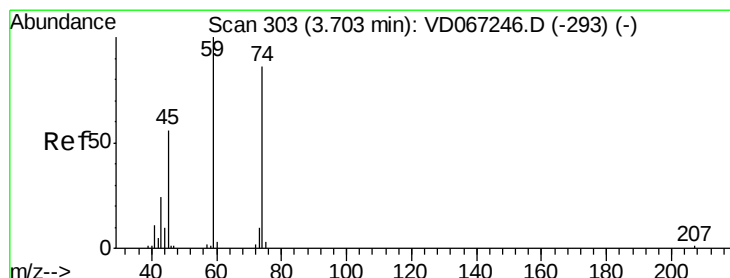
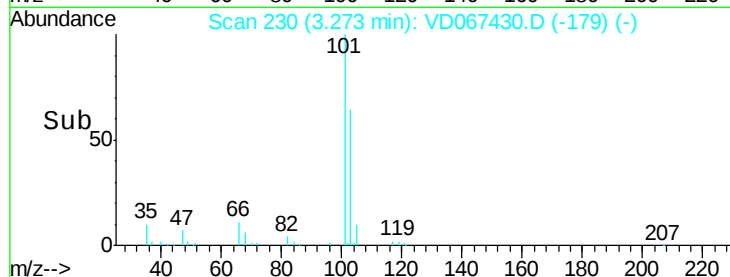
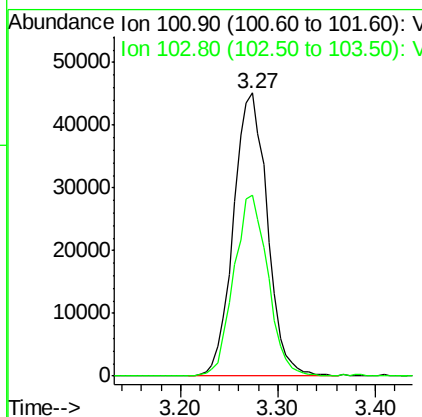
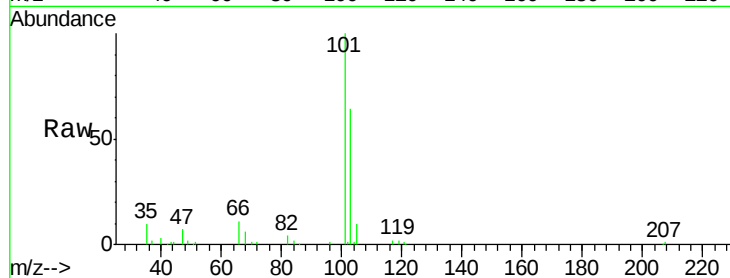
Trichlorofluoromethane
 Concen: 20.214 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD067430.D
 Acq: 28 Oct 2020 13:31

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	53.1	79.7

Manual Integrations
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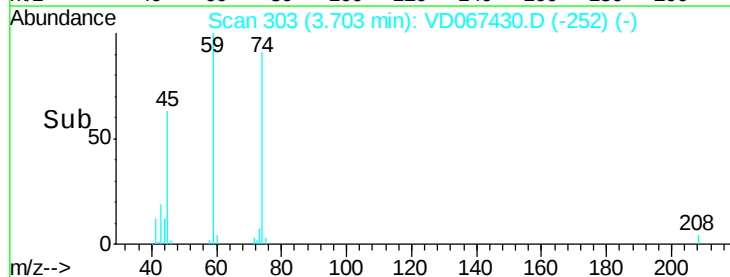
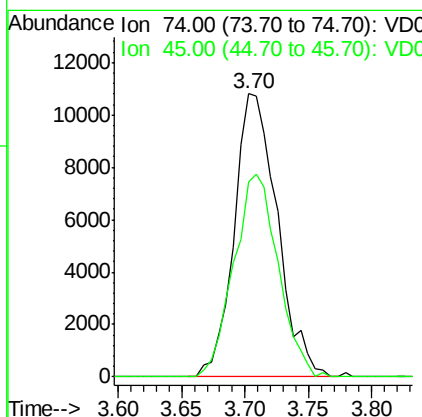
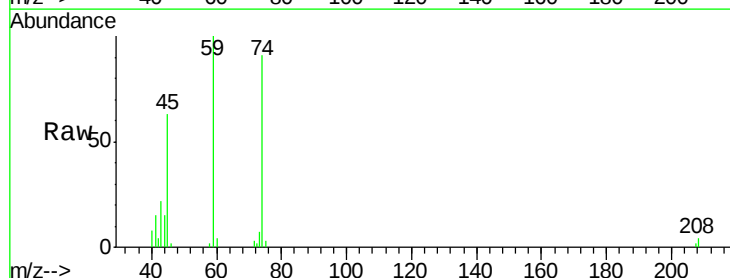
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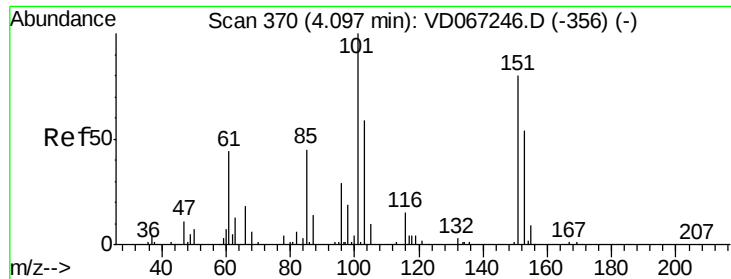


#8

Diethyl Ether
 Concen: 20.588 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. 0.00 min
 Lab File: VD067430.D
 Acq: 28 Oct 2020 13:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	73.9	37.0	111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.436 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Instrument :

MSVOA_D

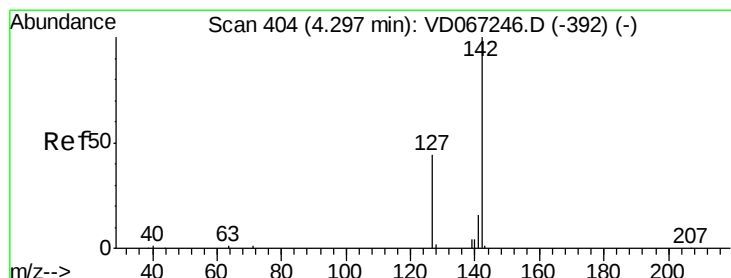
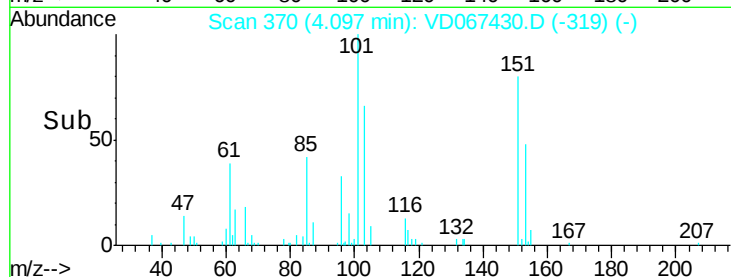
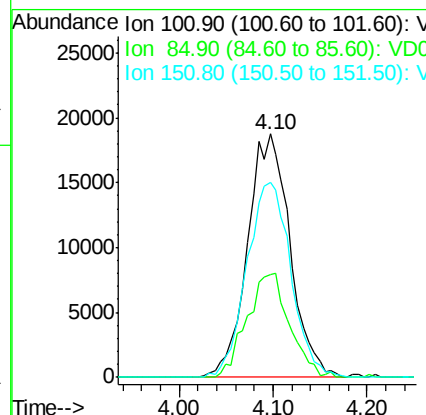
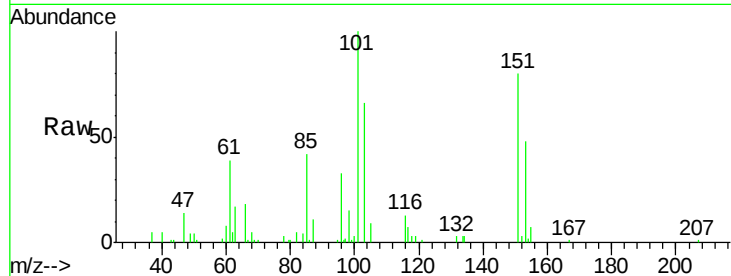
ClientSampleId :

VD1028SBS01

Tot Ion:	101	Resp:	58731
Ion Ratio	Lower	Upper	
101	100		
85	42.8	34.2	51.4
151	83.3	66.3	99.5

Manual Integrations
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#10

Methyl Iodide

Concen: 18.098 ug/l

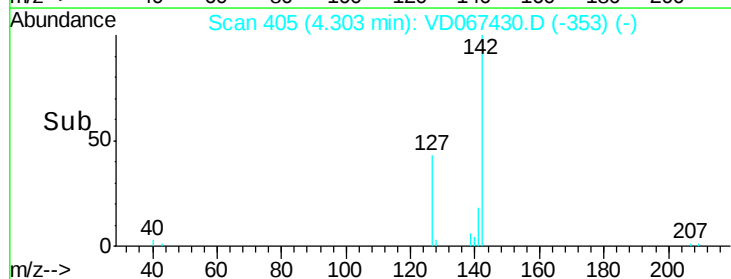
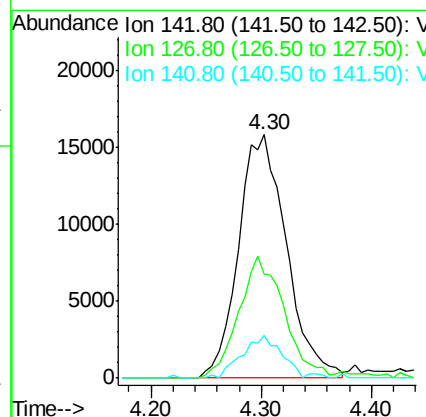
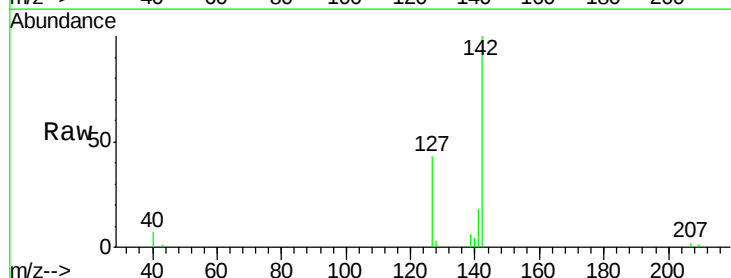
RT: 4.30 min Scan# 405

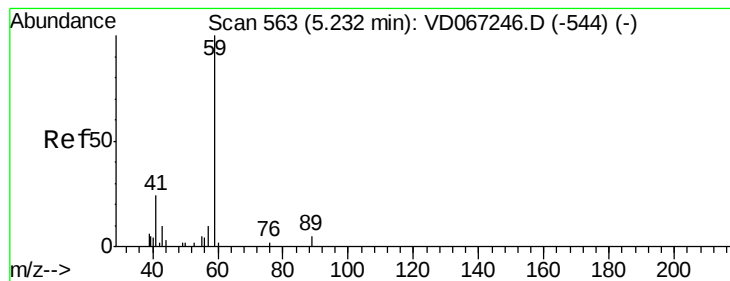
Delta R.T. 0.01 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Tgt Ion:	142	Resp:	47979
Ion Ratio	Lower	Upper	
142	100		
127	47.4	38.4	57.6
141	14.9	11.6	17.4





#11

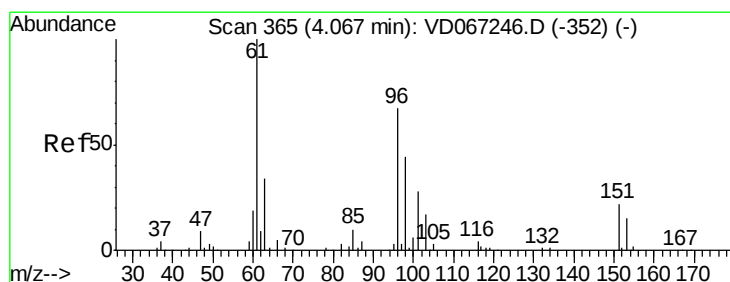
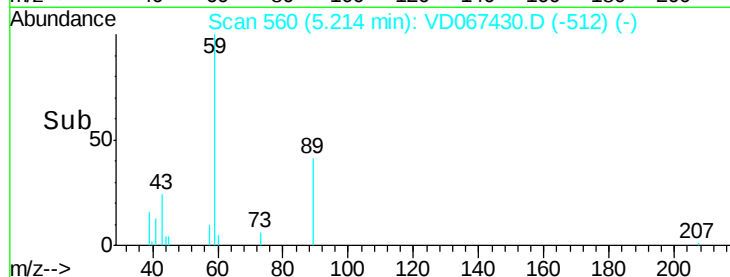
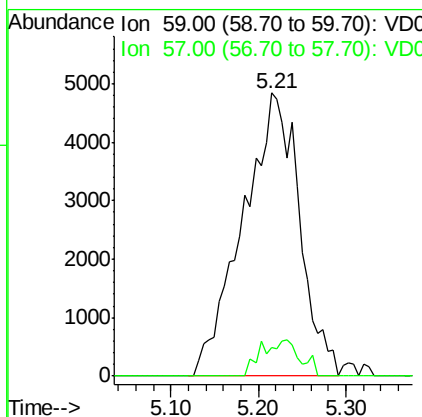
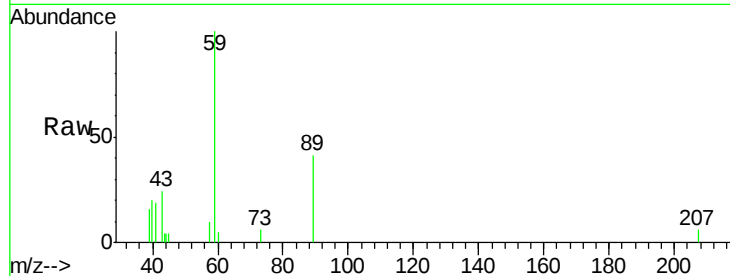
Tert butyl alcohol
Concen: 106.535 ug/l
RT: 5.21 min Scan# 560
Delta R.T. -0.02 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

Tot Ion: 59 Resp: 21502
Ion Ratio Lower Upper
59 100
57 8.8 5.1 7.7#

Manual Integrations
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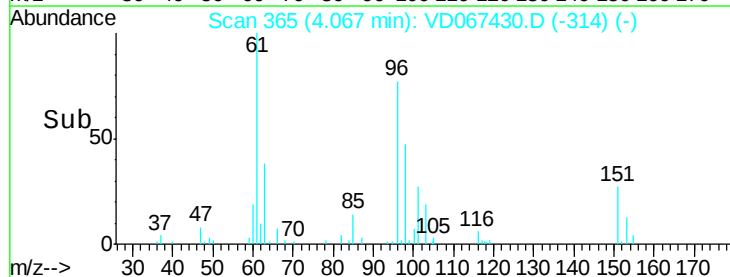
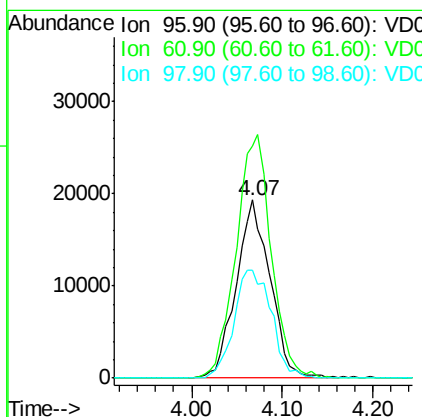
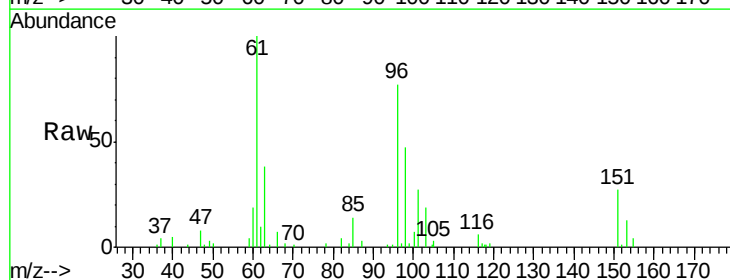
MMDadoda
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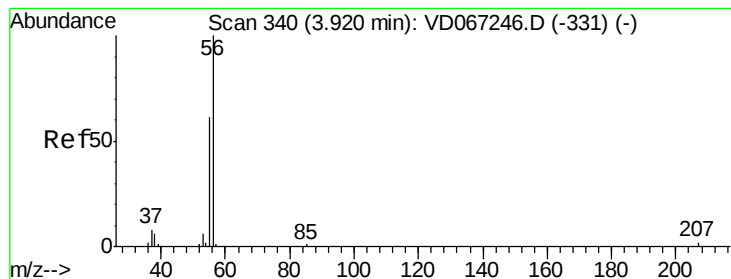


#12

1,1-Dichloroethene
Concen: 19.623 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Tgt Ion: 96 Resp: 50380
Ion Ratio Lower Upper
96 100
61 130.1 118.6 177.8
98 60.9 51.8 77.6





#13

Acrolein

Concen: 63.653 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBS01

Tot Ion: 56 Resp: 8563

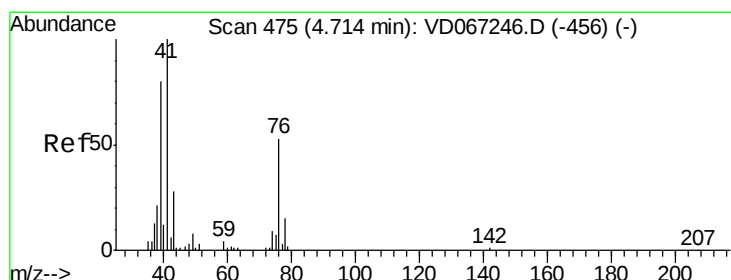
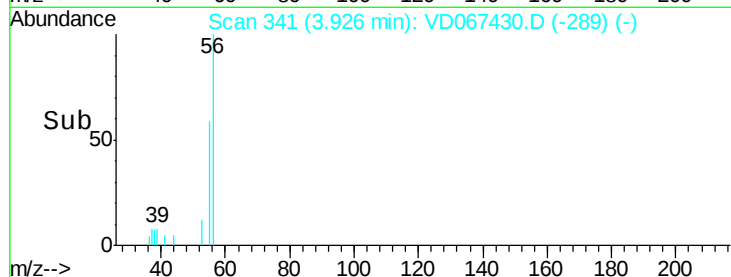
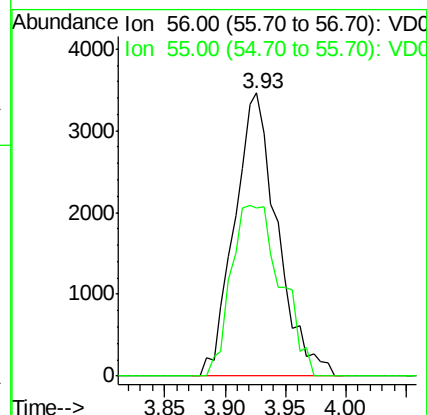
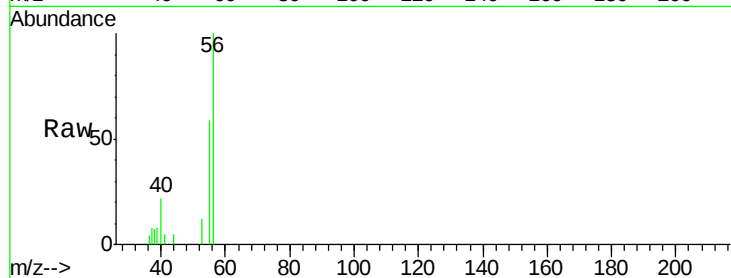
Ion Ratio Lower Upper

56 100

55 69.6 56.0 84.0

Manual Integrations
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#14

Allyl chloride

Concen: 19.241 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

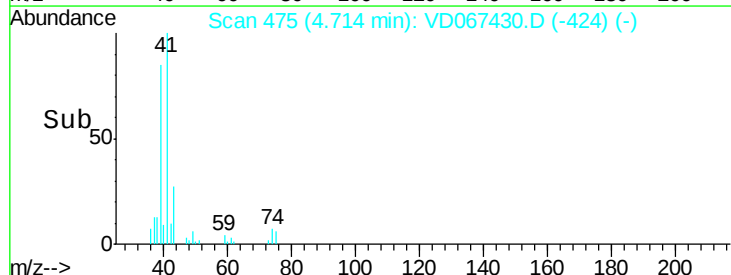
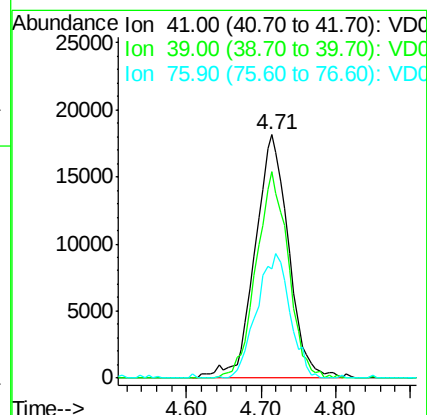
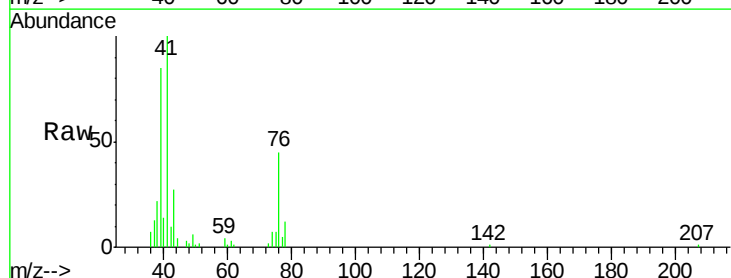
Tgt Ion: 41 Resp: 56572

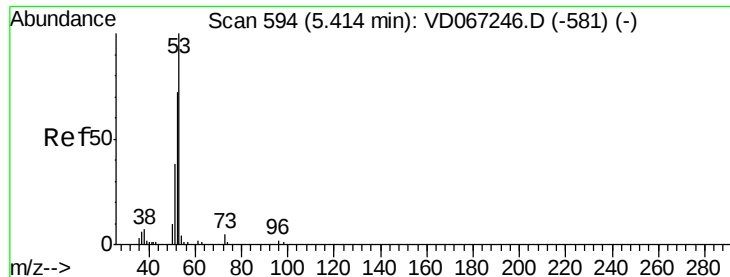
Ion Ratio Lower Upper

41 100

39 81.3 63.8 95.6

76 50.6 40.4 60.6





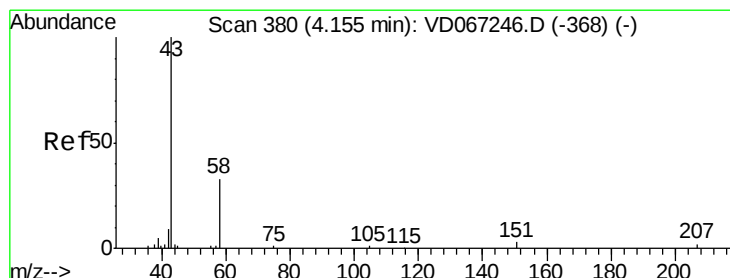
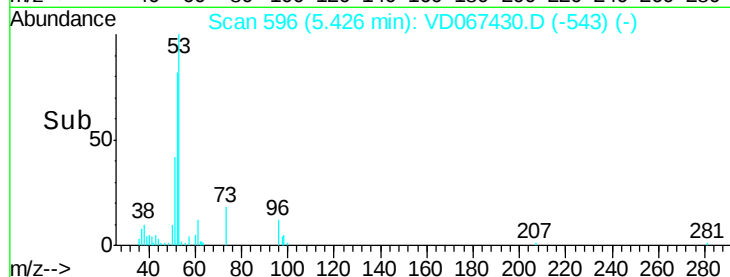
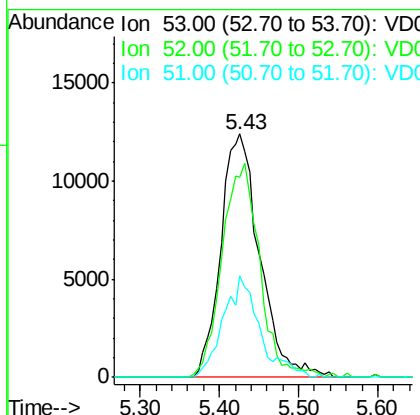
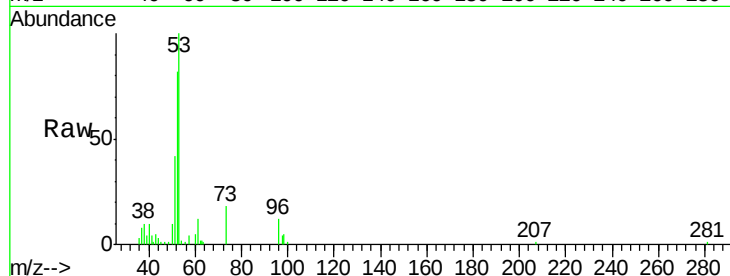
#15
 Acrylonitrile
 Concen: 102.159 ug/l
 RT: 5.43 min Scan# 596
 Delta R.T. 0.01 min
 Lab File: VD067430.D
 Acq: 28 Oct 2020 13:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1028SBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	84.6	65.6	98.4
51	35.2	30.8	46.2

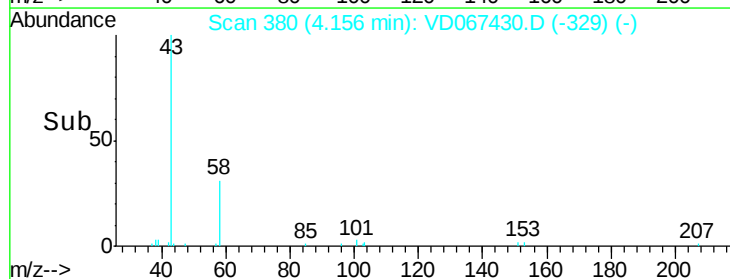
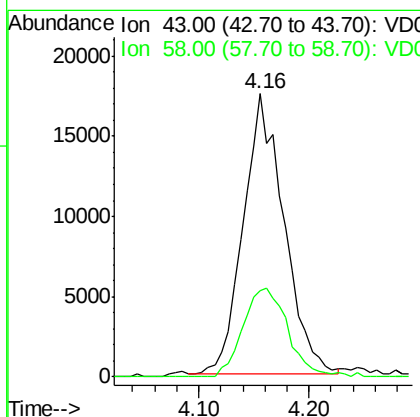
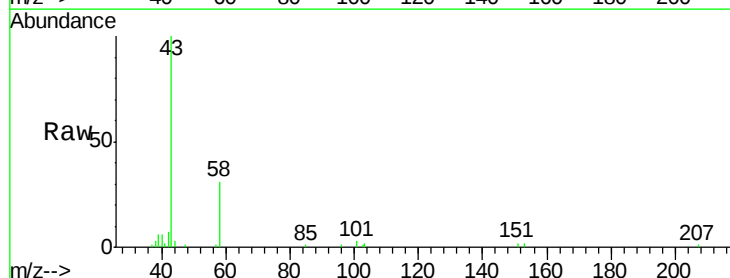
Manual Integrations
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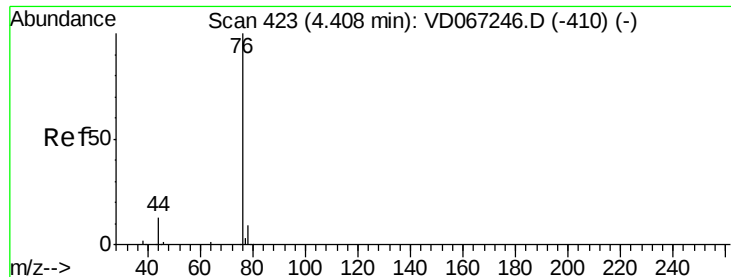
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#16
 Acetone
 Concen: 104.042 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VD067430.D
 Acq: 28 Oct 2020 13:31

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.8	26.1	39.1





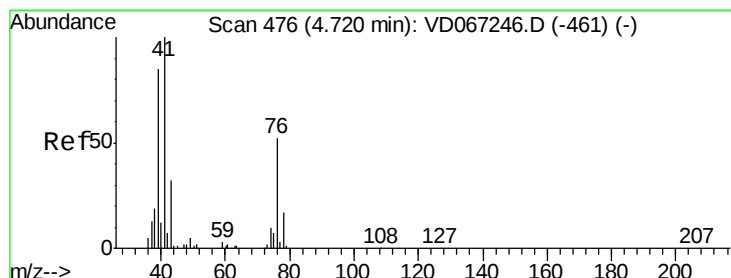
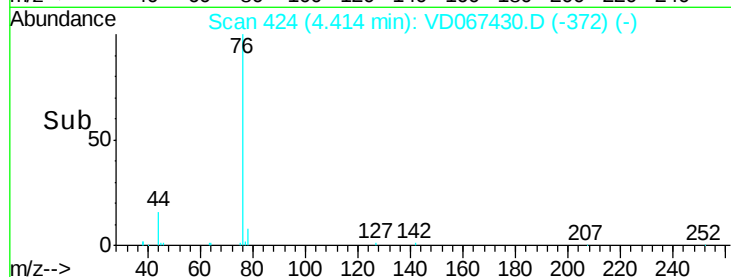
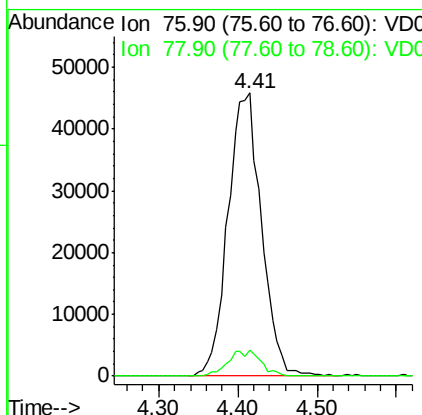
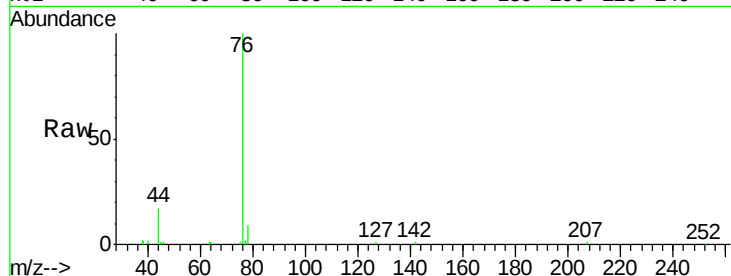
#17
Carbon Disulfide
Concen: 18.296 ug/l
RT: 4.41 min Scan# 424
Delta R.T. 0.01 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

Tot Ion: 76 Resp: 133910
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0

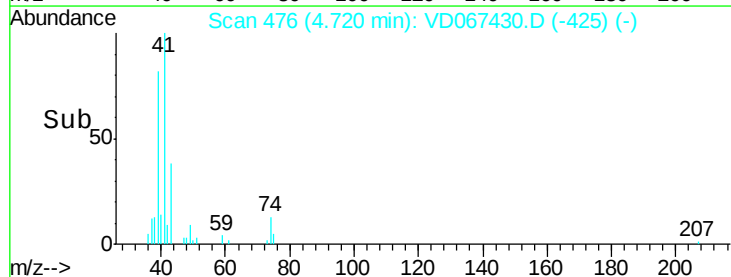
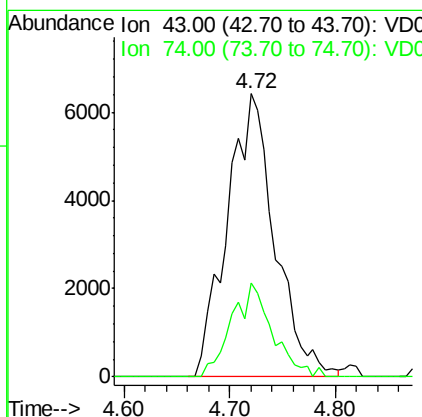
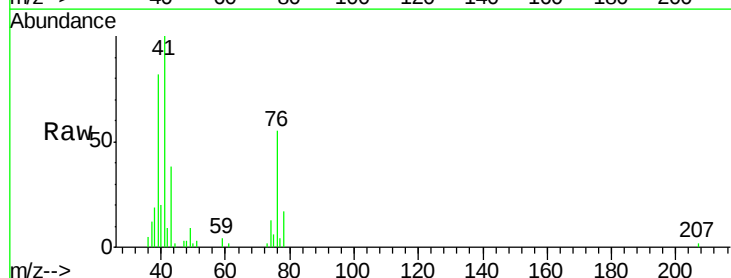
Manual Integrations
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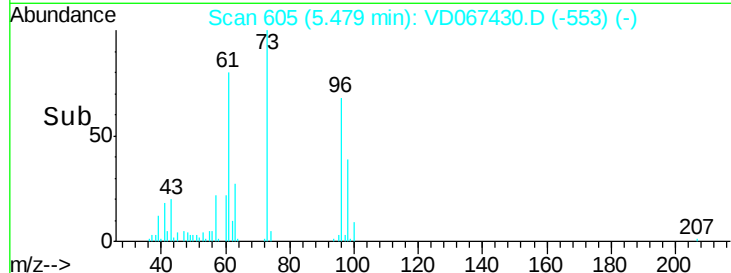
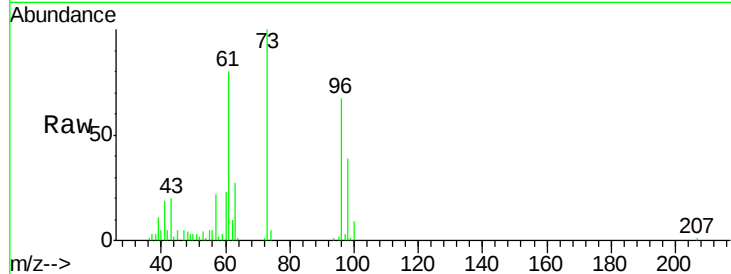
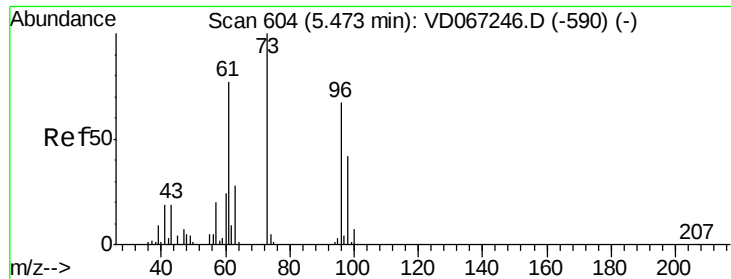
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#18
Methyl Acetate
Concen: 20.186 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Tgt Ion: 43 Resp: 20096
Ion Ratio Lower Upper
43 100
74 28.4 26.6 39.8





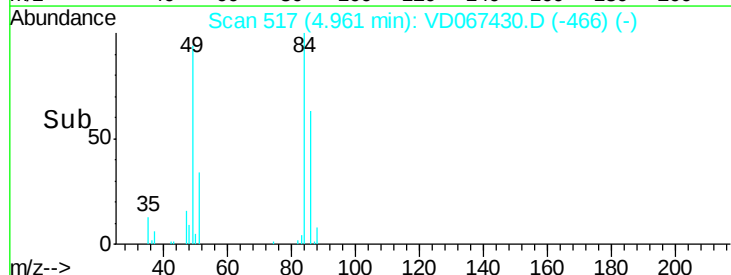
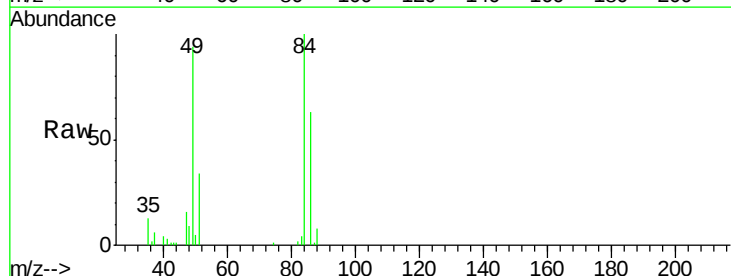
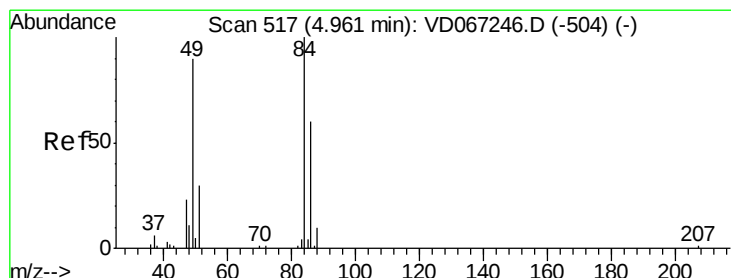
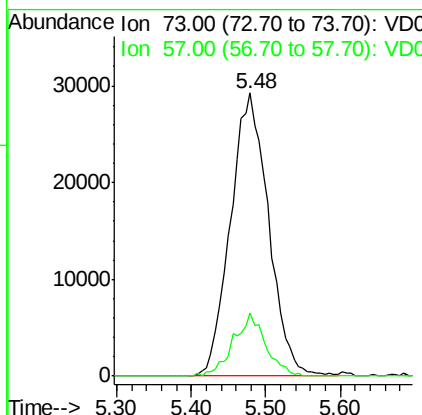
#19
Methyl tert-butyl Ether
Concen: 20.336 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Tot Ion: 73 Resp: 103816
Ion Ratio Lower Upper
73 100
57 22.3 15.7 23.5

Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

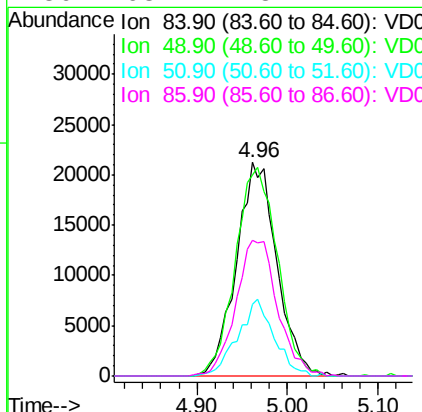
Manual Integrations
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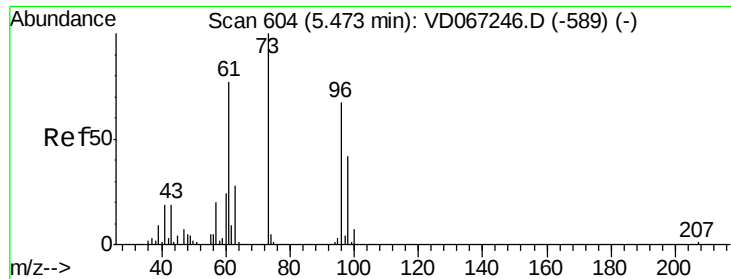
MMDadoda
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#20
Methylene Chloride
Concen: 20.968 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Tgt Ion: 84 Resp: 65910
Ion Ratio Lower Upper
84 100
49 94.4 72.2 108.2
51 33.7 23.8 35.8
86 63.2 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 20.090 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Instrument :

MSVOA_D

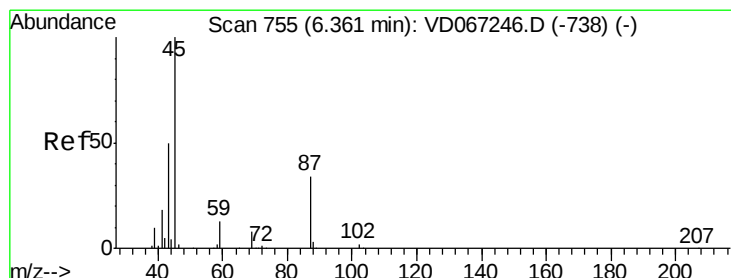
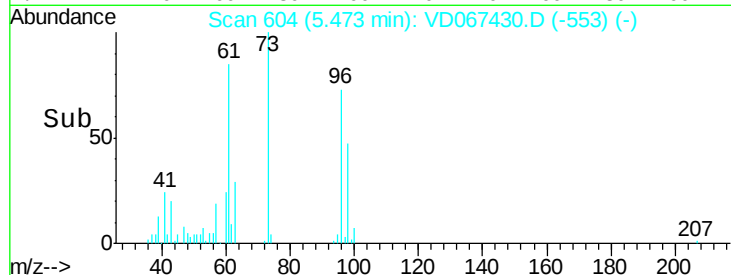
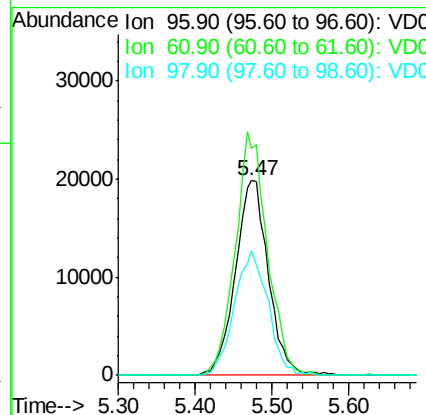
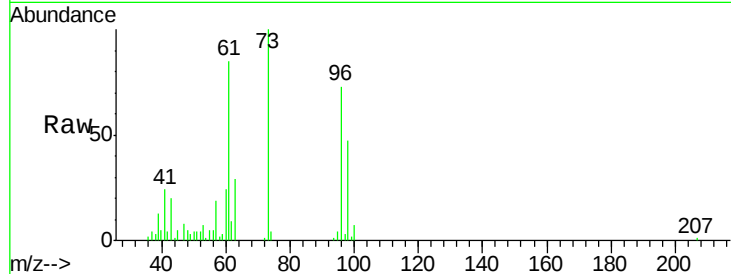
ClientSampleId :

VD1028SBS01

Tot Ion:	96	Resp:	59357
Ion	Ratio	Lower	Upper
96	100		
61	116.5	92.0	138.0
98	63.8	49.8	74.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.648 ug/l

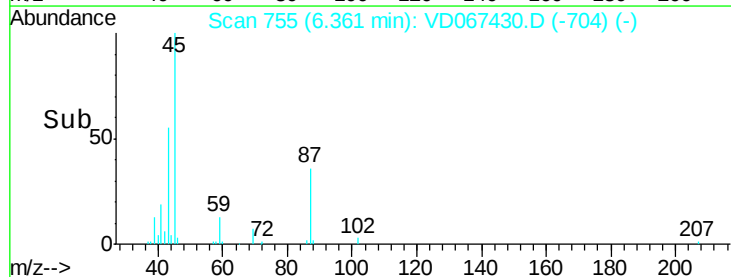
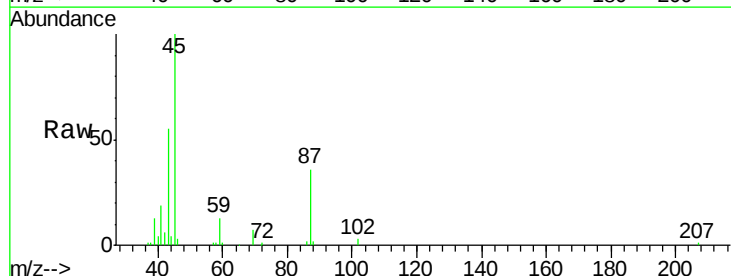
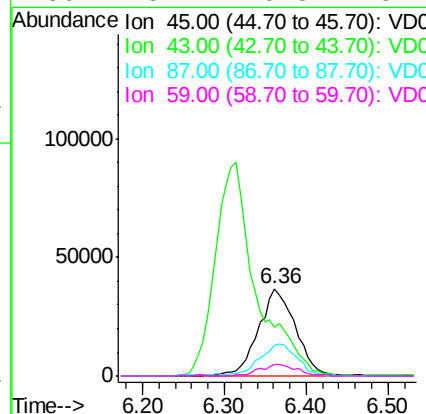
RT: 6.36 min Scan# 755

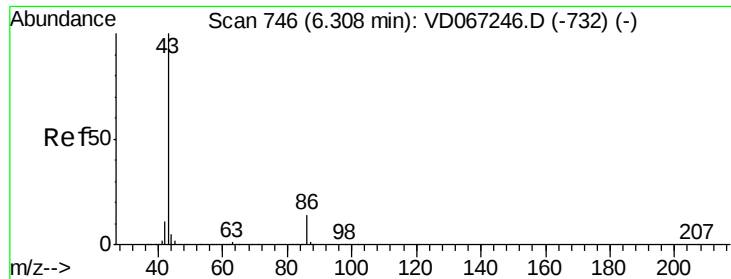
Delta R.T. 0.00 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Tgt Ion:	45	Resp:	116269
Ion	Ratio	Lower	Upper
45	100		
43	53.9	48.0	72.0
87	35.2	28.5	42.7
59	13.4	10.5	15.7





#23

Vinyl Acetate

Concen: 102.617 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBS01

Tot Ion: 43 Resp: 313565

Ion Ratio Lower Upper

43 100

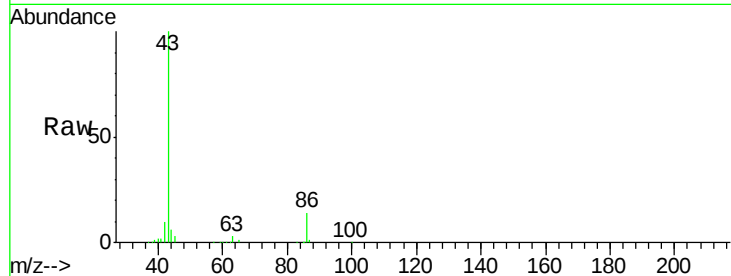
86 13.8 11.0 16.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

100000

80000

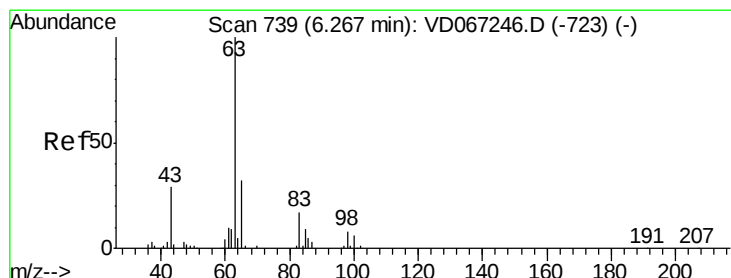
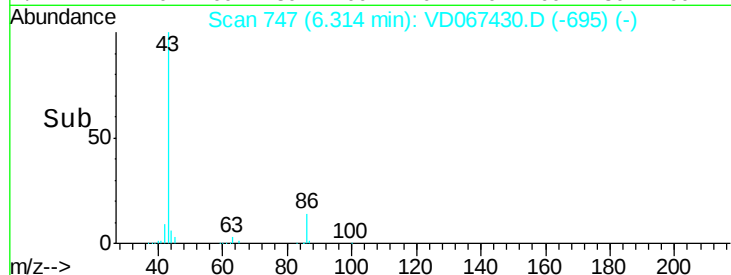
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.717 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

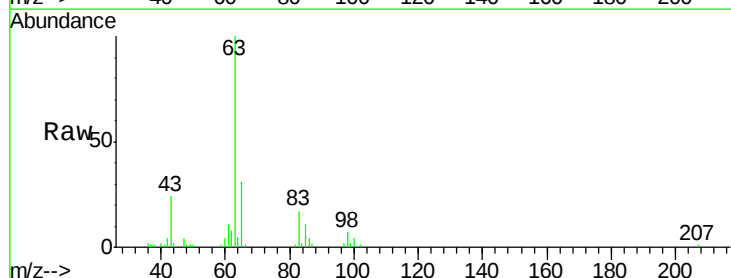
Tgt Ion: 63 Resp: 95248

Ion Ratio Lower Upper

63 100

98 7.2 4.0 12.2

100 4.0 2.8 8.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

40000

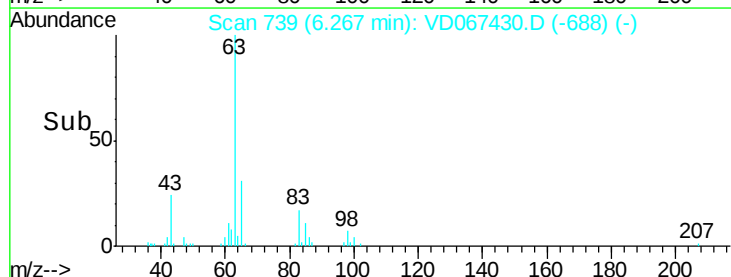
30000

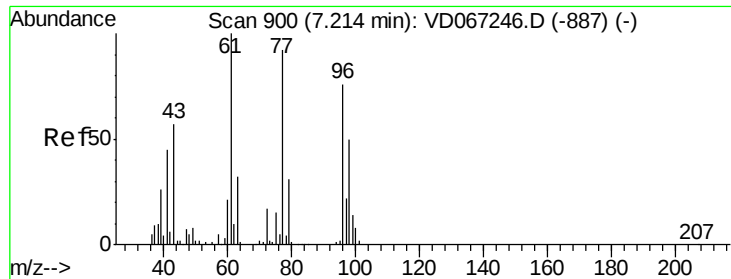
20000

10000

0

Time-->





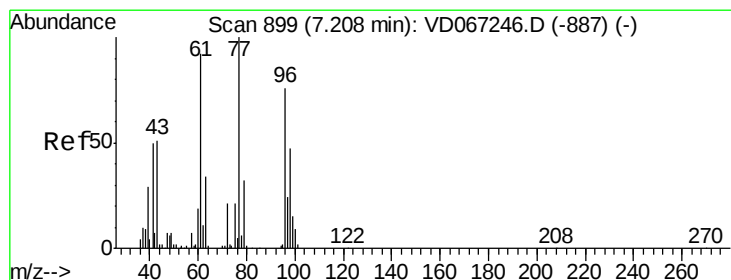
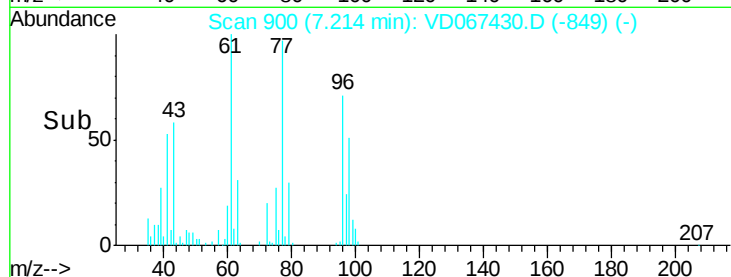
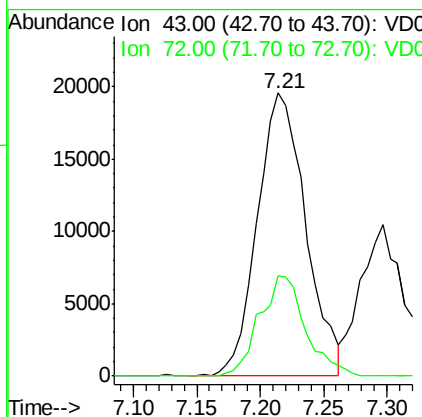
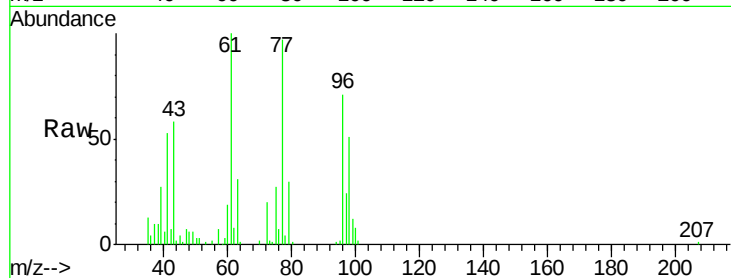
#25
2-Butanone
Concen: 104.766 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

Tot Ion: 43 Resp: 52125
Ion Ratio Lower Upper
43 100
72 35.3 23.7 35.5

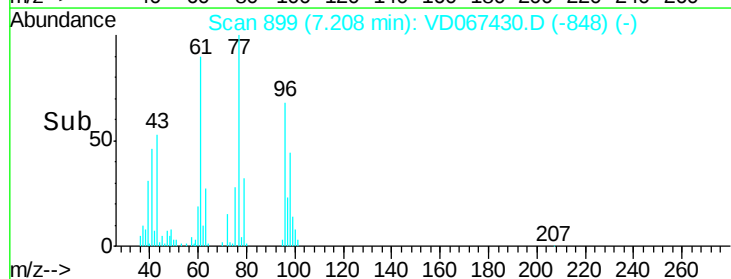
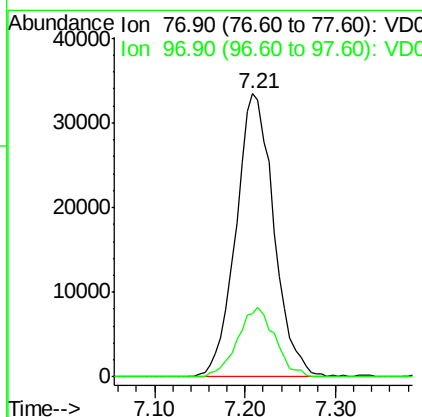
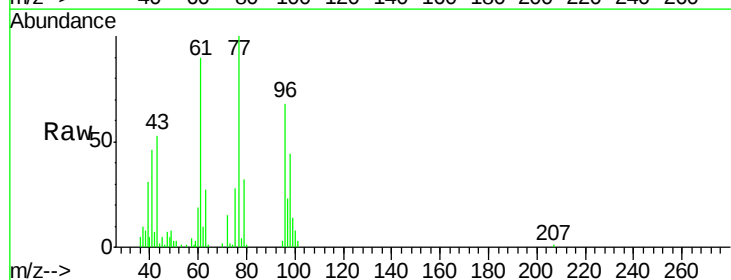
Manual Integrations
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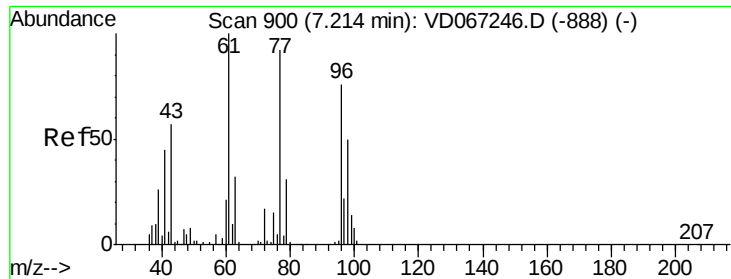
MMDadoda
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#26
2,2-Dichloropropane
Concen: 20.441 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Tgt Ion: 77 Resp: 96870
Ion Ratio Lower Upper
77 100
97 24.4 11.4 34.2





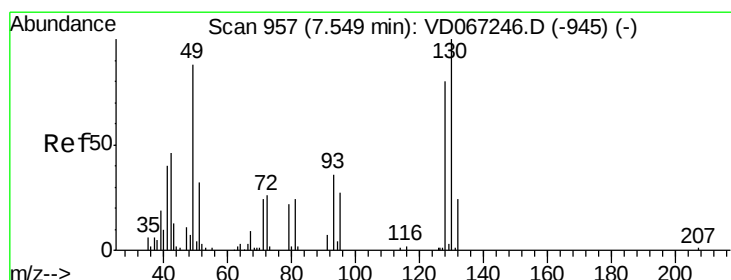
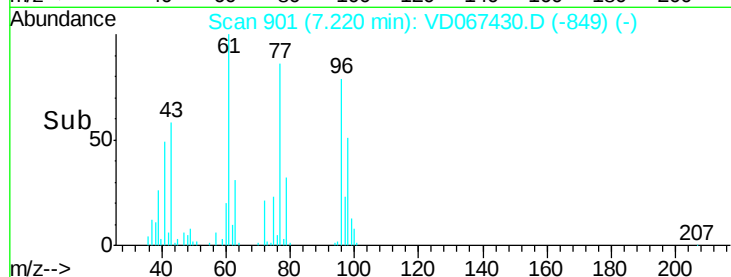
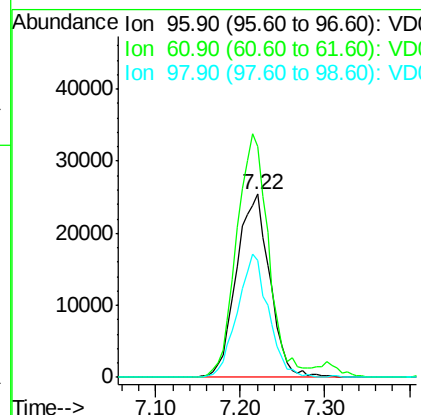
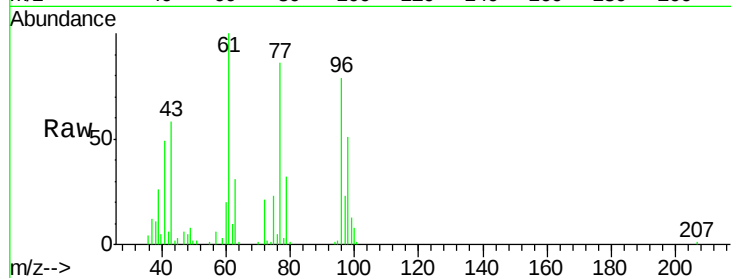
#27
 cis-1,2-Dichloroethene
 Concen: 21.425 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VD067430.D
 Acq: 28 Oct 2020 13:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1028SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	69375		
61	128.1		0.0	255.4
98	62.8		0.0	128.0

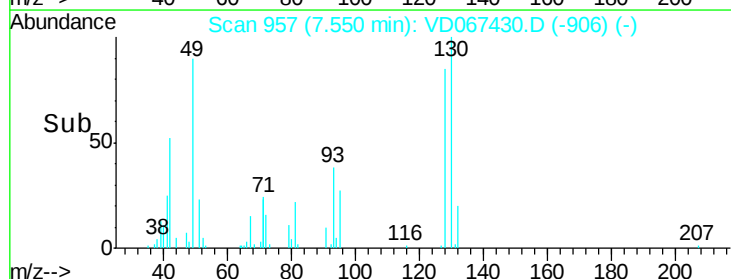
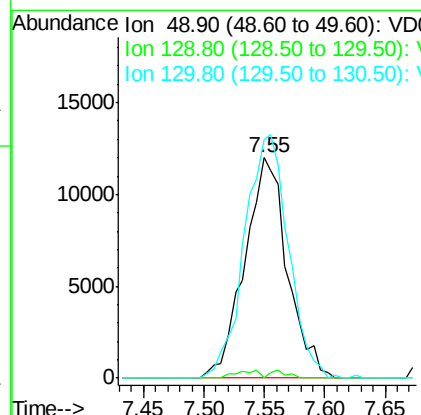
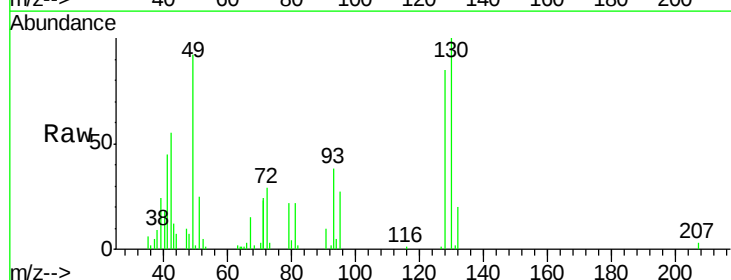
Manual Integrations
 APPROVED

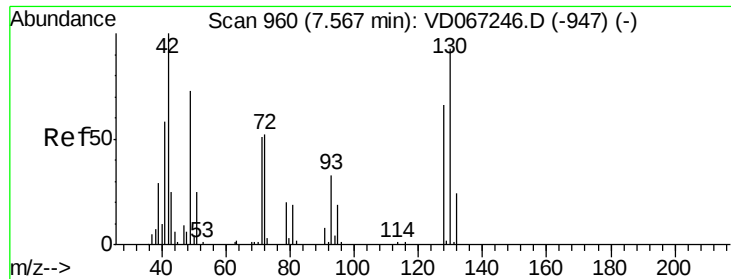
MMDadoda
 10/29/2020 12:00:54 PM



#28
 Bromochloromethane
 Concen: 18.814 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD067430.D
 Acq: 28 Oct 2020 13:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	29504		
129	1.4		0.0	1.6
130	113.1		91.0	136.6





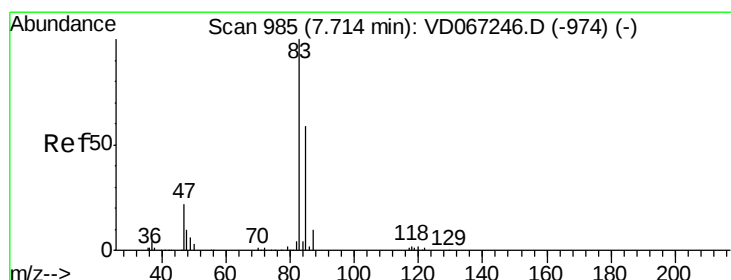
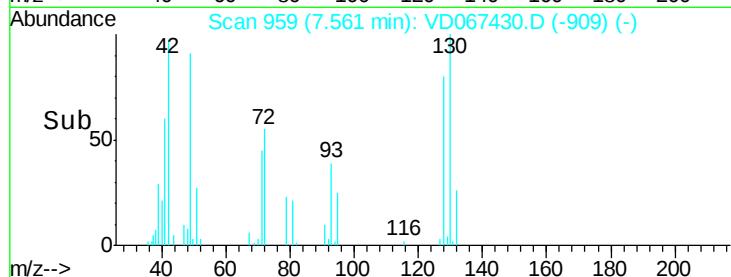
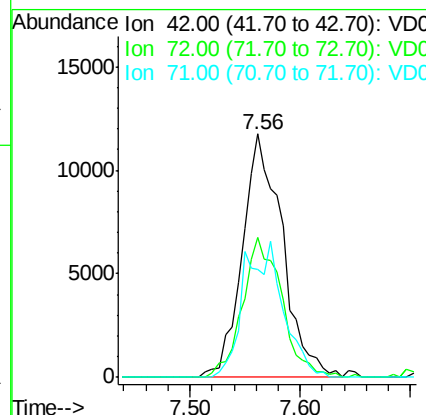
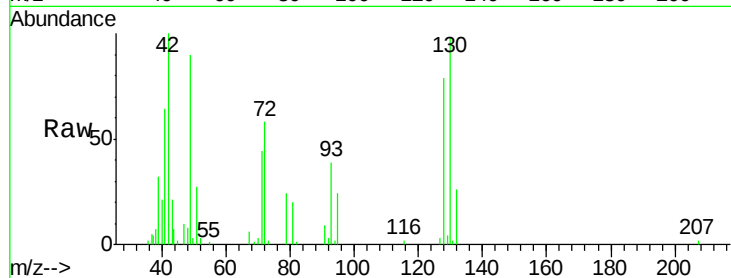
#29
Tetrahydrofuran
Concen: 108.106 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	56.3	43.2	64.8
71	30.8	39.4	59.0

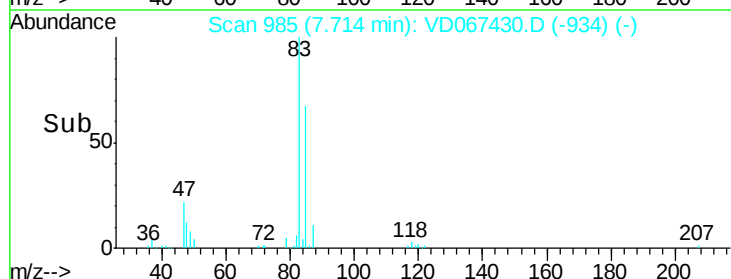
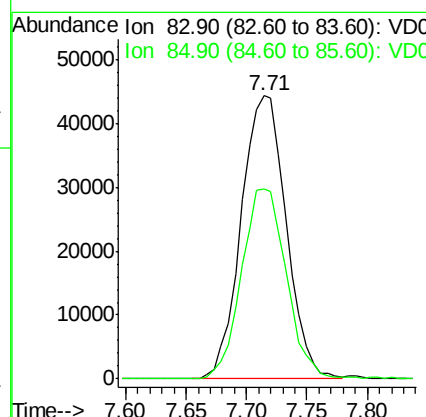
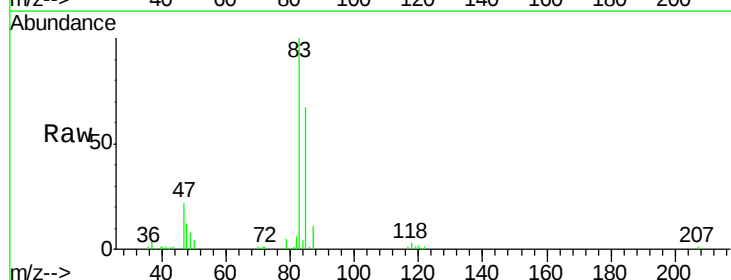
Manual Integrations
APPROVED

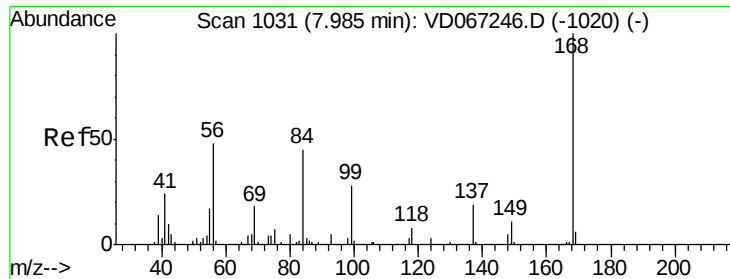
MMDadoda
10/29/2020 12:00:54 PM



#30
Chloroform
Concen: 20.947 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.9	47.3	70.9





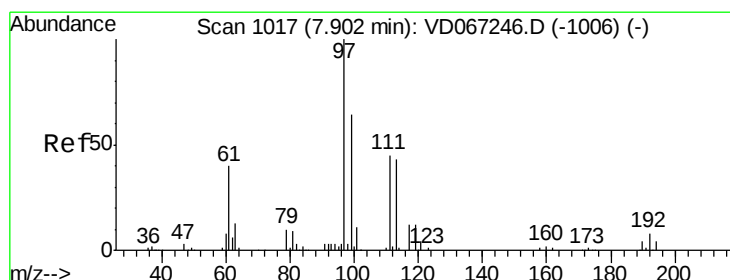
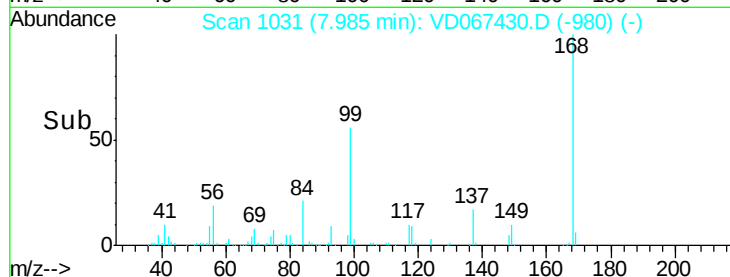
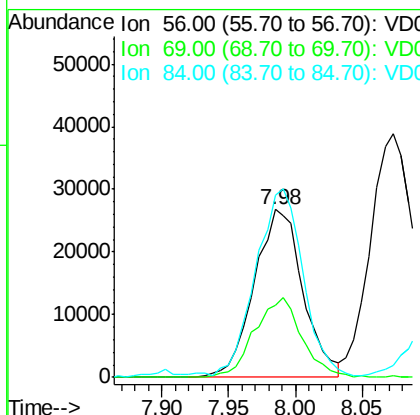
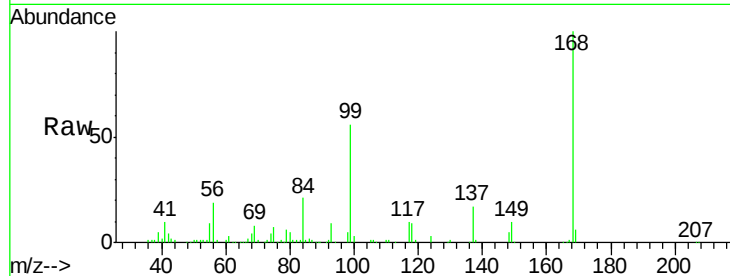
#31
Cyclohexane
Concen: 18.904 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

Tot Ion	56	Resp	67857
Ion	Ratio	Lower	Upper
56	100		
69	43.0	29.8	44.6
84	106.8	76.6	114.8

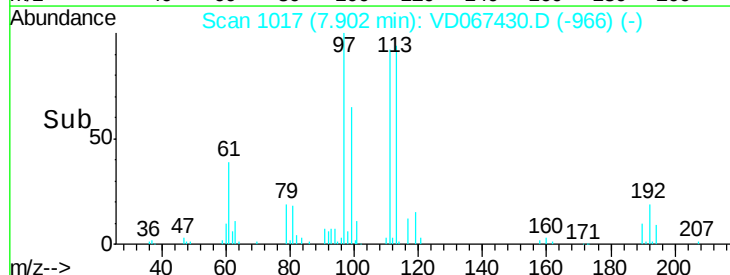
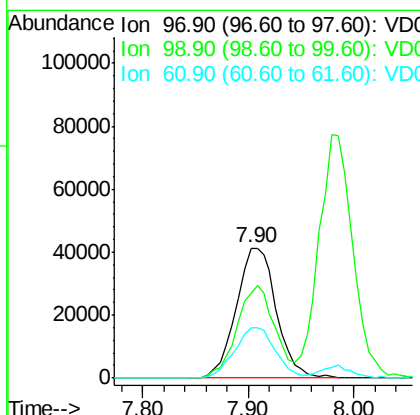
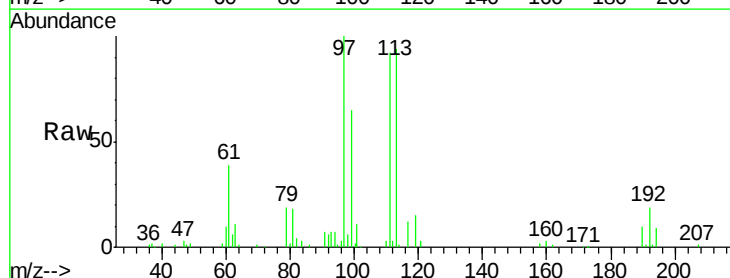
Manual Integrations
APPROVED

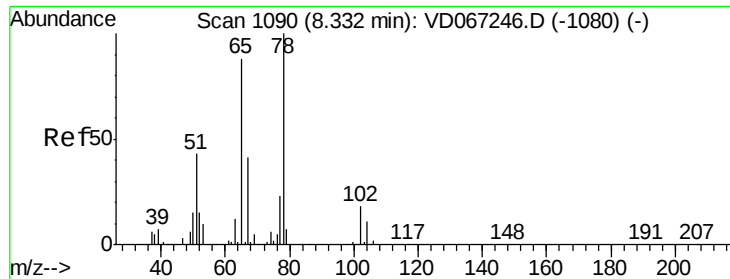
MMDadoda
10/29/2020 12:00:54 PM



#32
1,1,1-Trichloroethane
Concen: 20.214 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Tgt Ion	97	Resp	108929
Ion	Ratio	Lower	Upper
97	100		
99	67.4	50.2	75.4
61	39.6	30.5	45.7





#33

1,2-Dichloroethane-d4

Concen: 51.086 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBS01

Tot Ion: 65 Resp: 159212

Ion Ratio Lower Upper

65 100

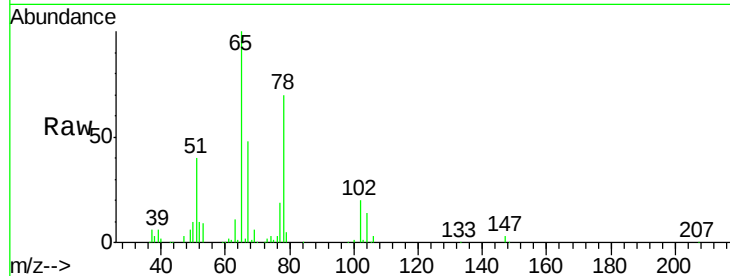
67 49.3 0.0 103.8

Manual Integrations

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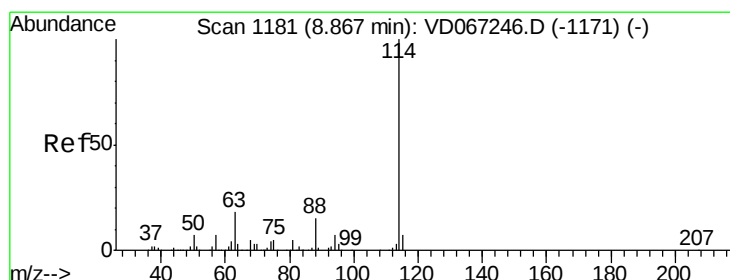
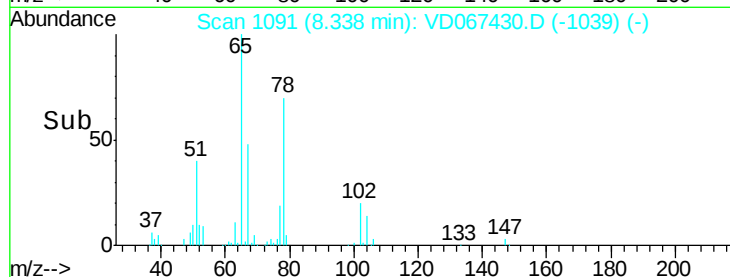
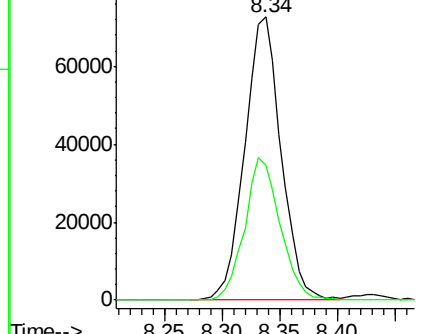
MMDadoda

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

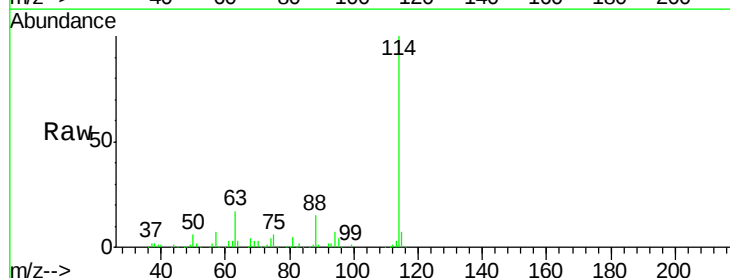
Tgt Ion: 114 Resp: 458540

Ion Ratio Lower Upper

114 100

63 17.1 0.0 35.0

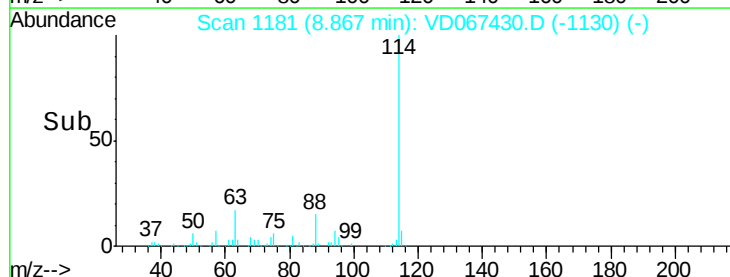
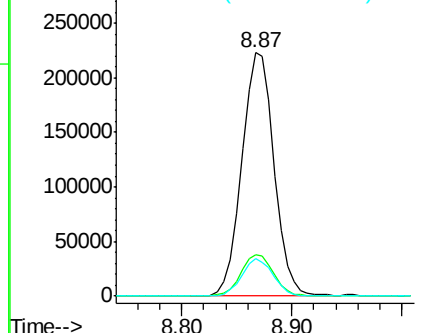
88 15.3 0.0 30.6

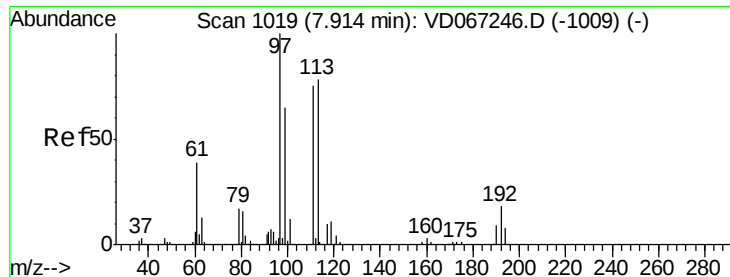


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





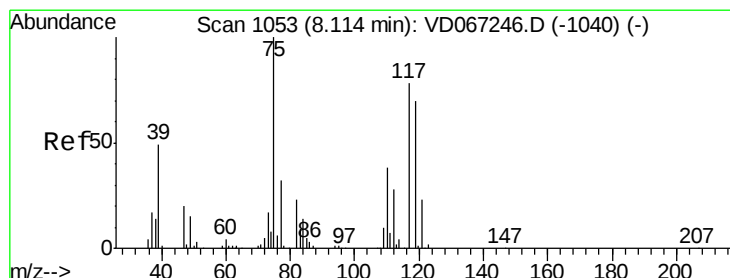
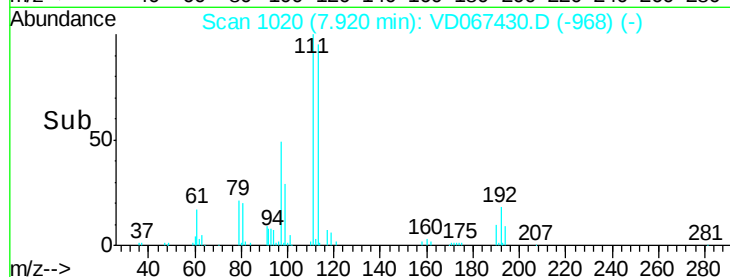
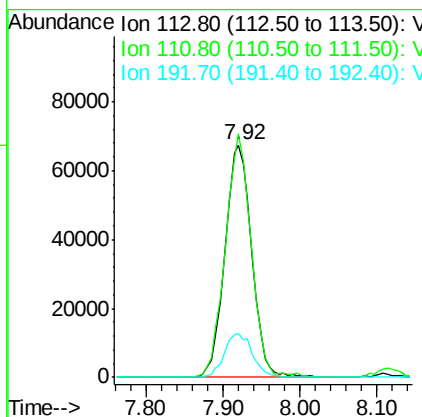
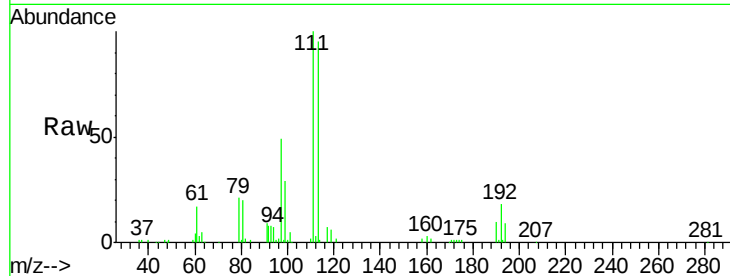
#35
 Dibromofluoromethane
 Concen: 53.661 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067430.D
 Acq: 28 Oct 2020 13:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1028SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.6	122.4
192	19.8	17.0	25.4

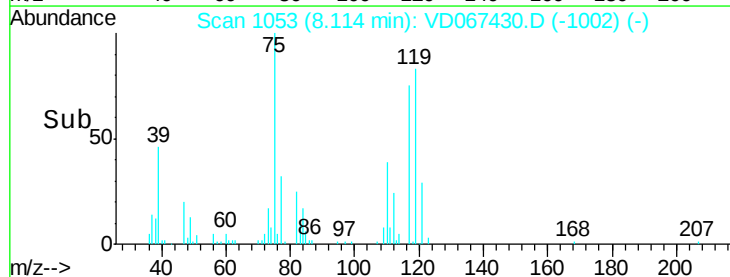
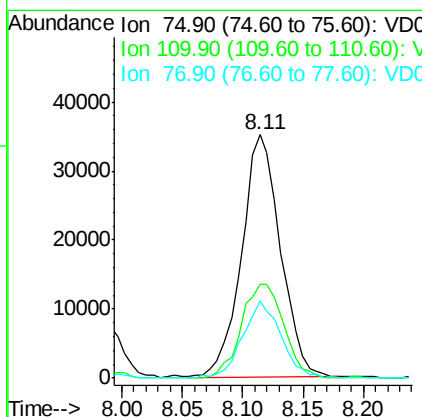
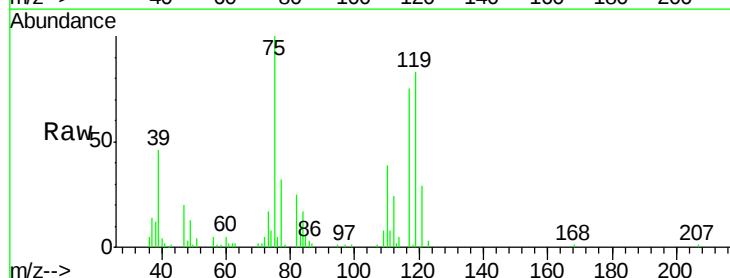
Manual Integrations
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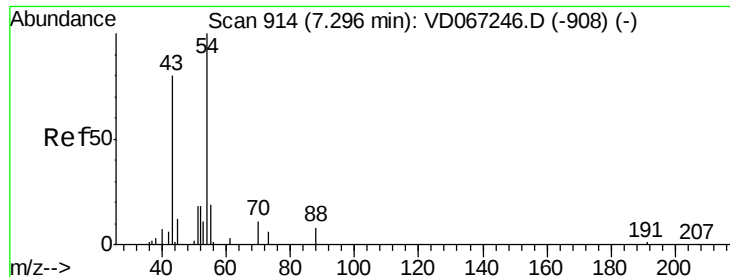
MMDadoda
 10/29/2020 12:00:54 PM



#36
 1,1-Dichloropropene
 Concen: 20.284 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067430.D
 Acq: 28 Oct 2020 13:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	42.0	19.6	58.7
77	31.3	24.6	37.0





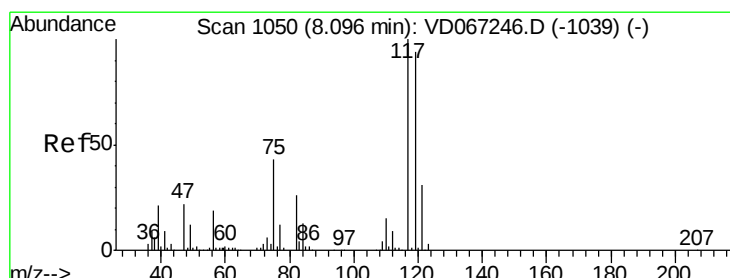
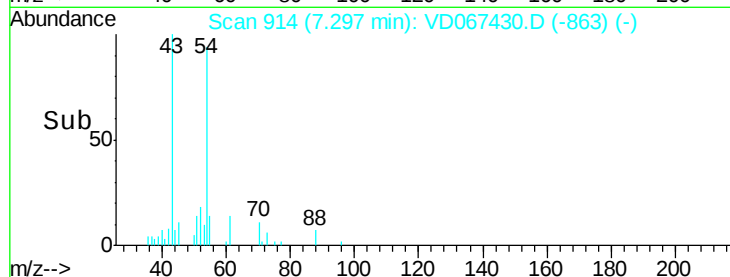
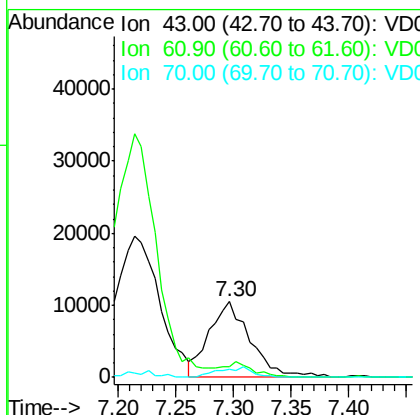
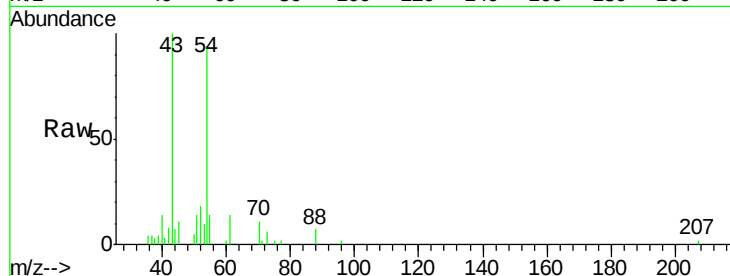
#37
Ethyl Acetate
Concen: 22.938 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	15.6	23.4#
70	11.3	10.4	15.6

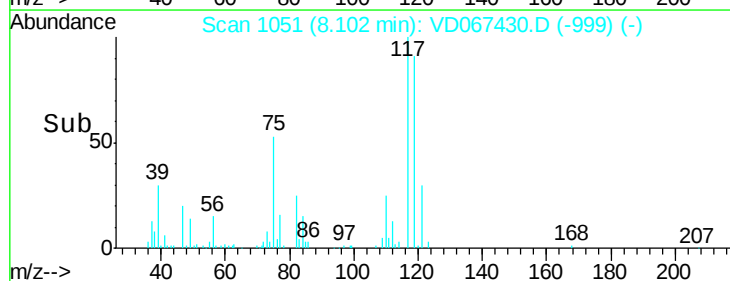
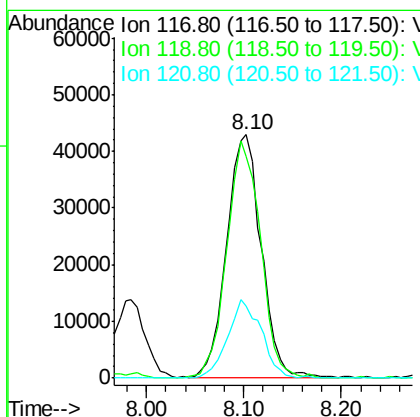
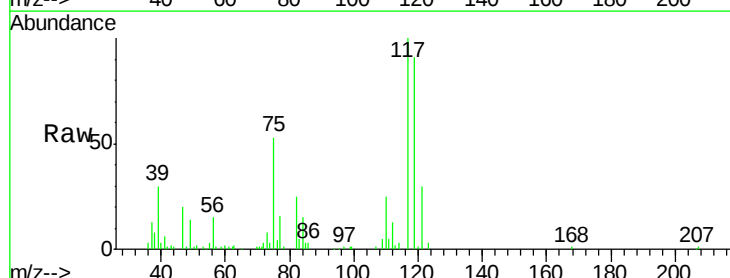
Manual Integrations
APPROVED

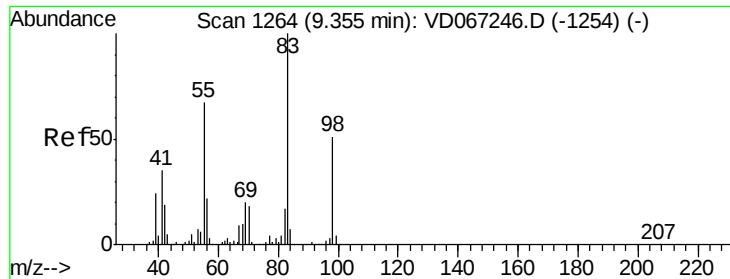
MMDadoda
10/29/2020 12:00:54 PM



#38
Carbon Tetrachloride
Concen: 21.137 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.6	75.0	112.4
121	29.9	24.9	37.3





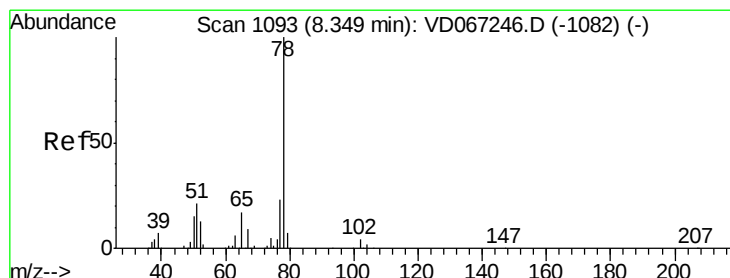
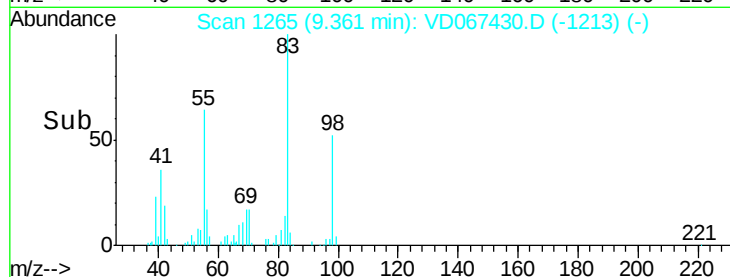
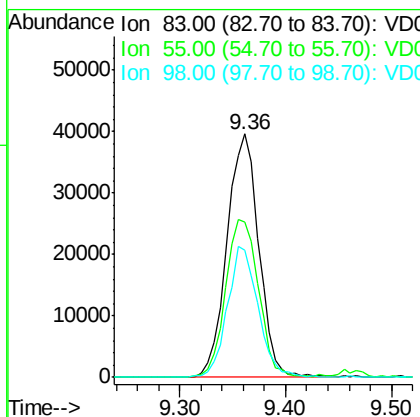
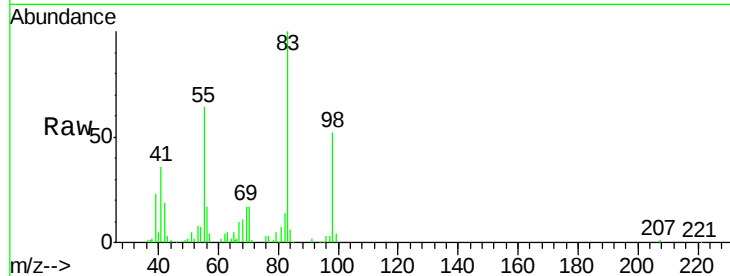
#39
Methvlcvclohexane
Concen: 20.326 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

Tot Ion	83	Resp	82583
Ion Ratio	Lower	Upper	
83	100		
55	63.8	53.3	79.9
98	52.4	41.0	61.4

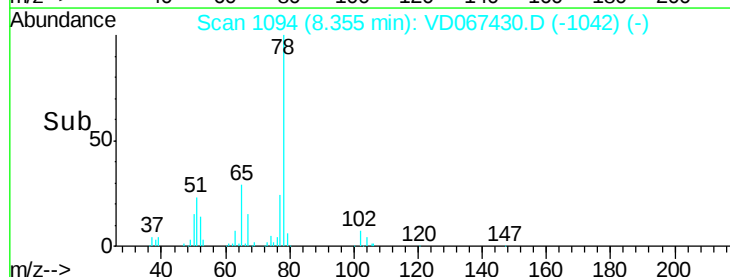
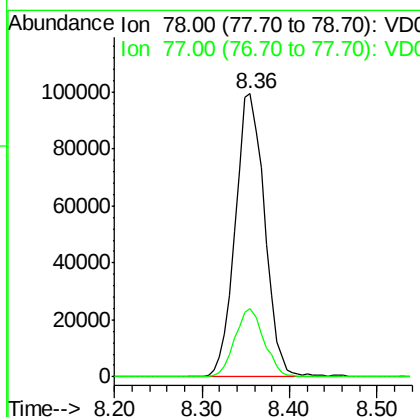
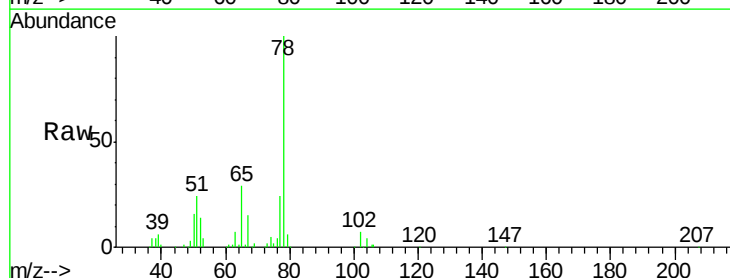
Manual Integrations
APPROVED

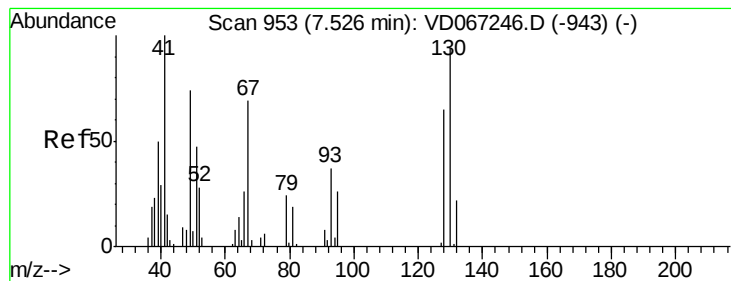
MMDadoda
10/29/2020 12:00:54 PM



#40
Benzene
Concen: 21.213 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Tgt Ion	78	Resp	226168
Ion Ratio	Lower	Upper	
78	100		
77	24.1	18.3	27.5





#41

Methacrylonitrile

Concen: 22.335 ug/l m

RT: 7.54 min Scan# 955

Delta R.T. 0.01 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBS01

Tot Ion: 41 Resp: 13801

Ion Ratio Lower Upper

41 100

39 58.8 60.0 90.0#

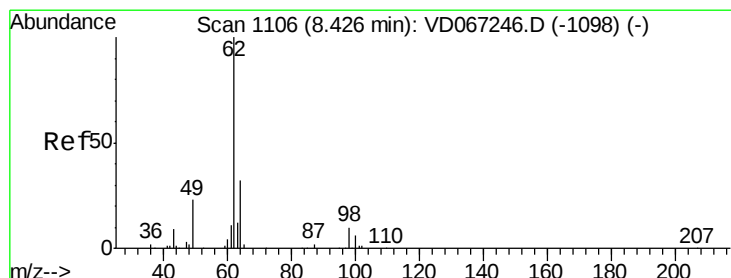
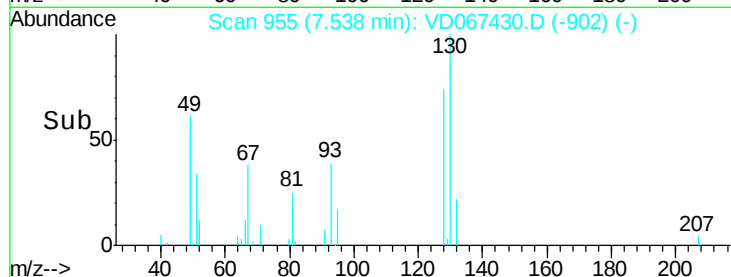
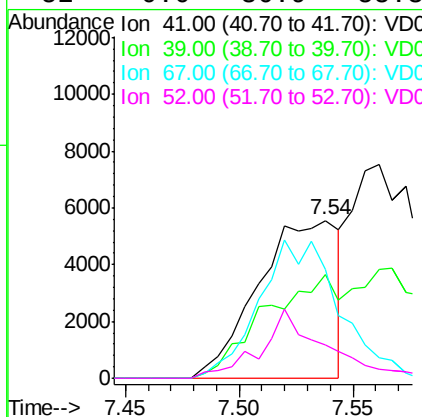
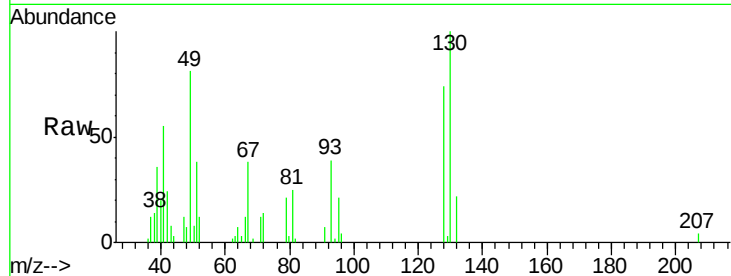
67 0.0 88.9 133.3#

52 0.0 36.9 55.3#

Manual Integrations
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10/29/2020 12:00:54 PM



#42

1,2-Dichloroethane

Concen: 21.508 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD067430.D

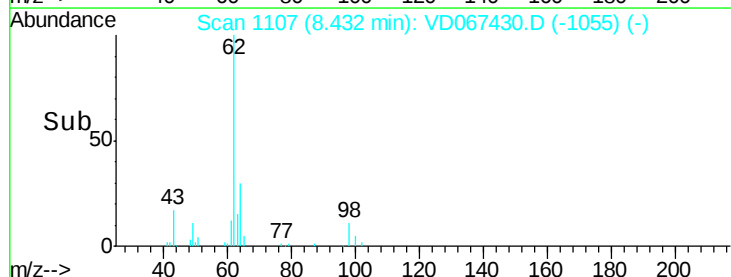
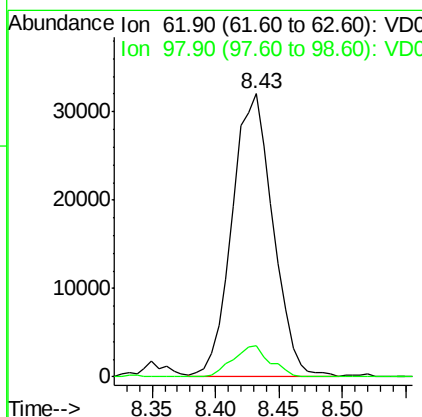
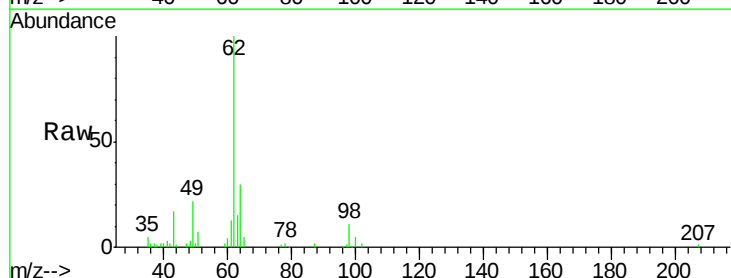
Acq: 28 Oct 2020 13:31

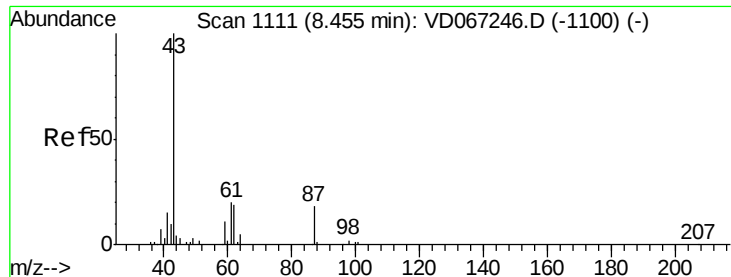
Tgt Ion: 62 Resp: 71763

Ion Ratio Lower Upper

62 100

98 10.0 0.0 19.4





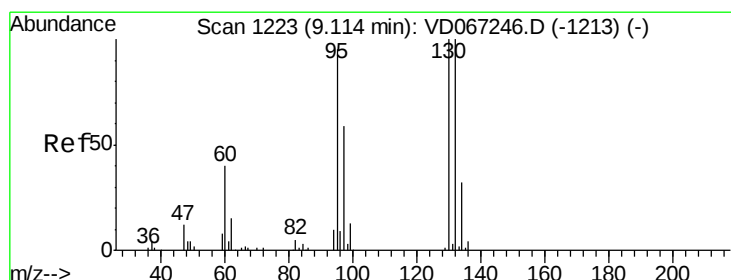
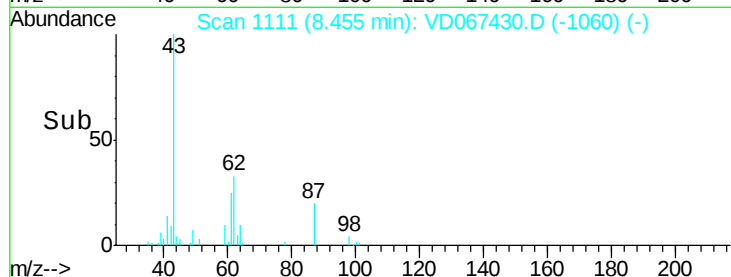
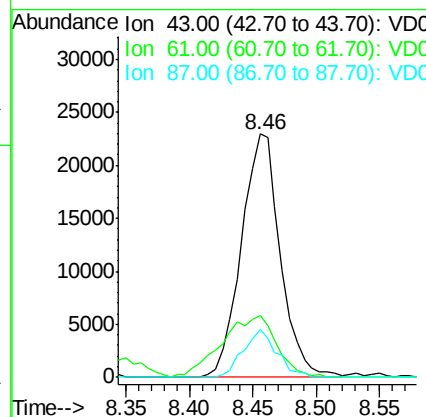
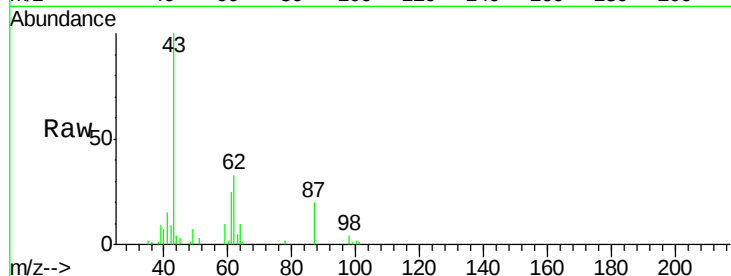
#43
Isopropyl Acetate
Concen: 21.563 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	35.6	29.5	44.3
87	16.7	14.2	21.4

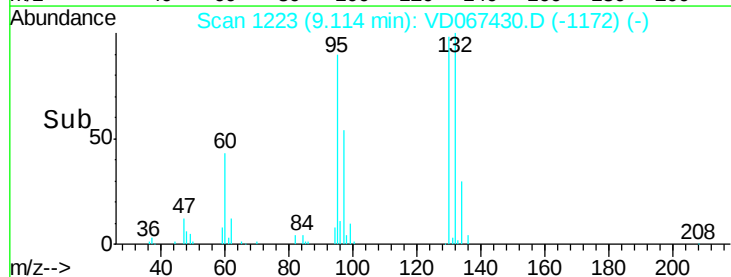
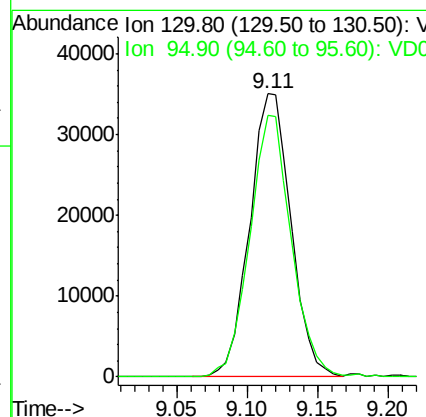
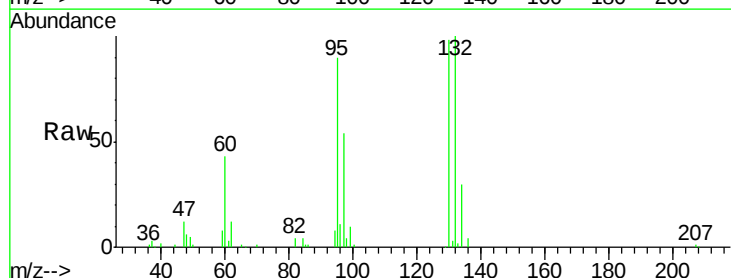
Manual Integrations
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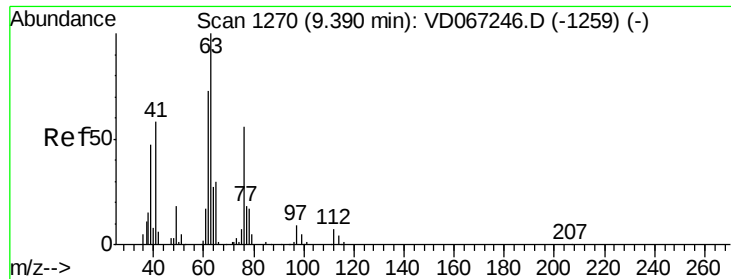
MMDadoda
10/29/2020 12:00:54 PM



#44
Trichloroethene
Concen: 21.055 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.3	0.0	190.6





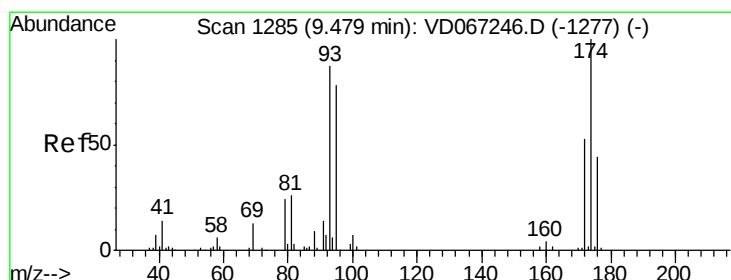
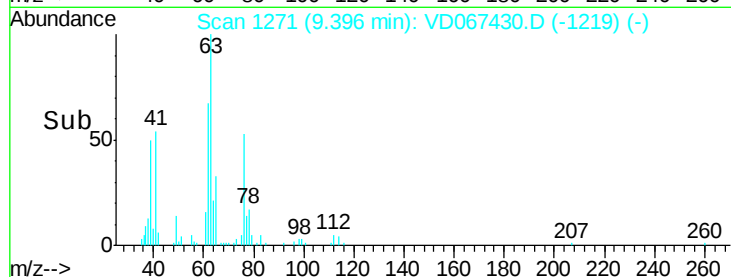
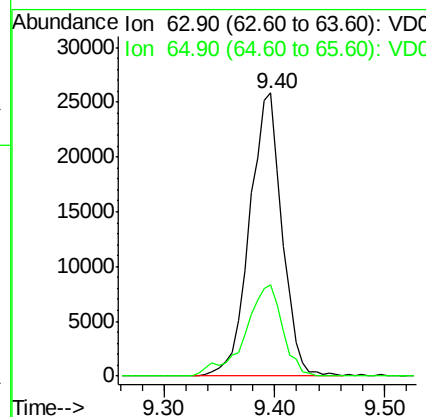
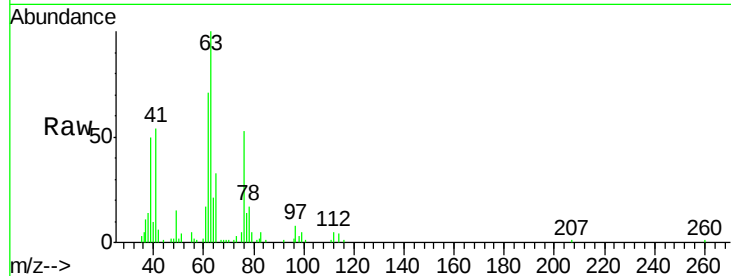
#45
 1,2-Dichloropropane
 Concen: 21.583 ug/l
 RT: 9.40 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD067430.D
 Acq: 28 Oct 2020 13:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1028SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.5	24.6	36.8

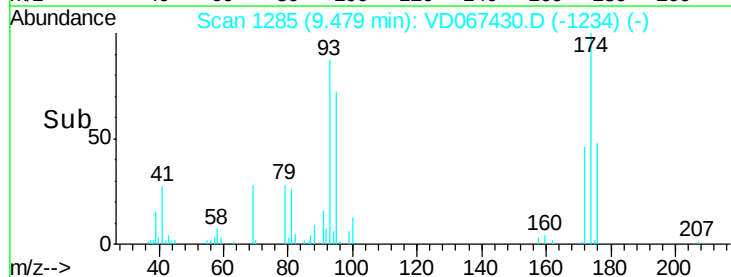
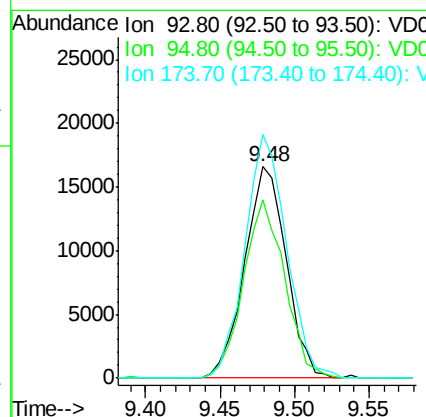
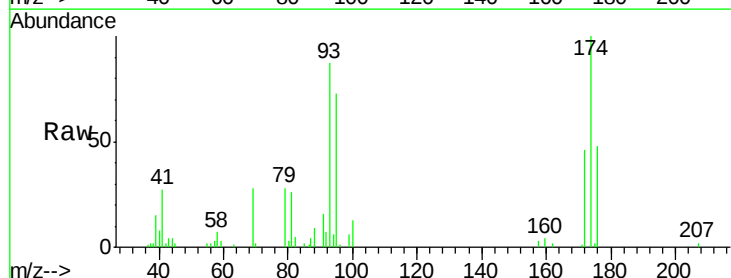
Manual Integrations
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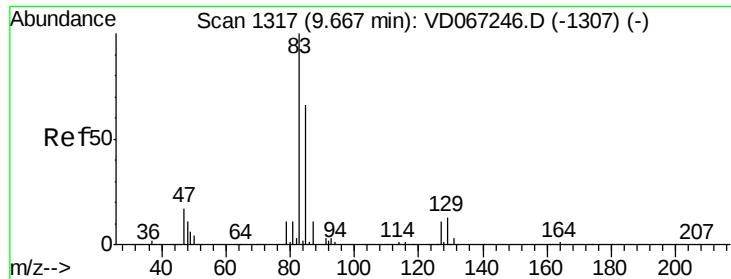
MMDadoda
 10/29/2020 12:00:54 PM



#46
 Dibromomethane
 Concen: 20.742 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067430.D
 Acq: 28 Oct 2020 13:31

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.9	68.0	102.0
174	115.4	91.8	137.6





#47

Bromodichloromethane

Concen: 21.684 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Instrument :

MSVOA_D

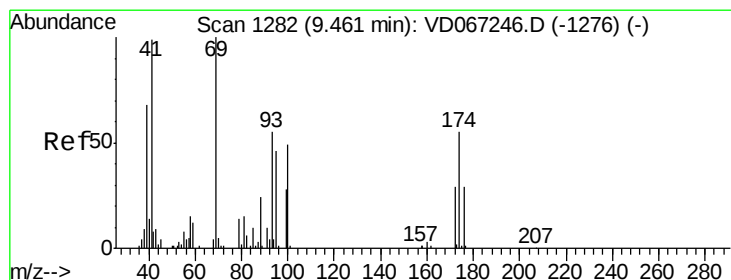
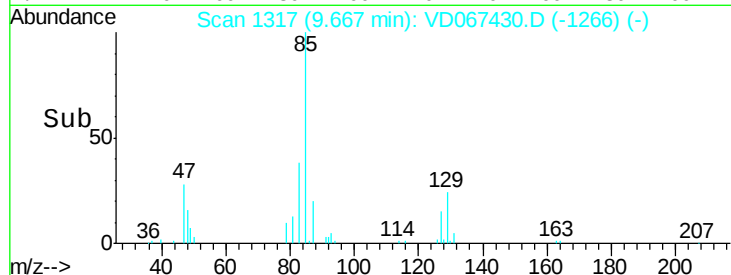
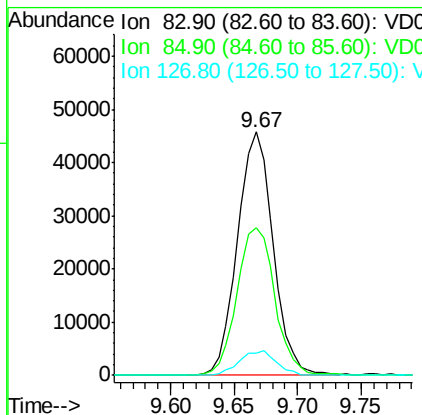
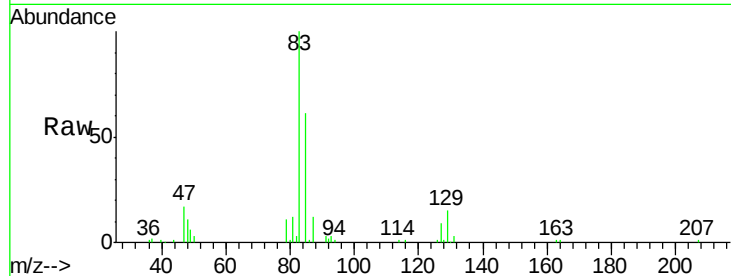
ClientSampleId :

VD1028SBS01

Tot Ion:	83	Resp:	89443
Ion	Ratio	Lower	Upper
83	100		
85	60.9	53.1	79.7
127	9.2	8.6	13.0

Manual Integrations
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10/29/2020 12:00:54 PM



#48

Methyl methacrylate

Concen: 20.741 ug/l

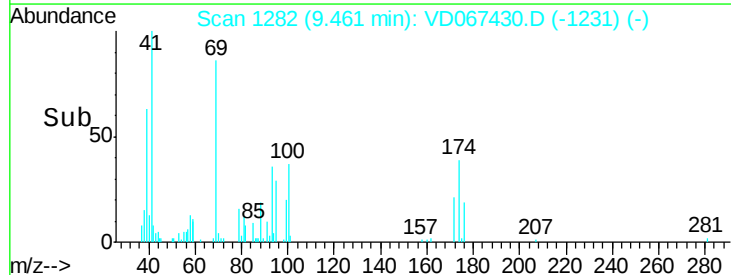
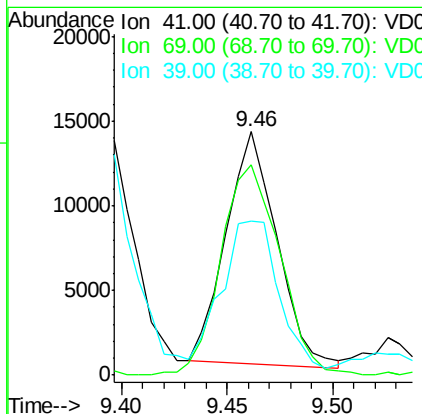
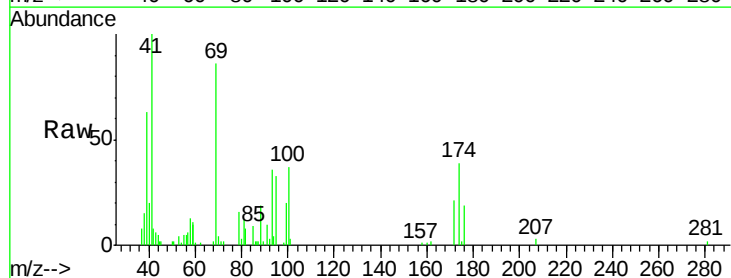
RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Tgt Ion:	41	Resp:	22869
Ion	Ratio	Lower	Upper
41	100		
69	105.7	89.0	133.6
39	77.4	60.2	90.2





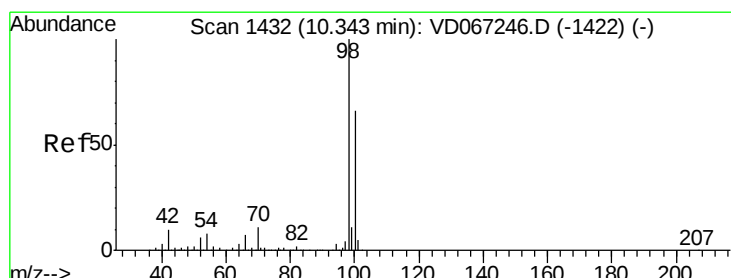
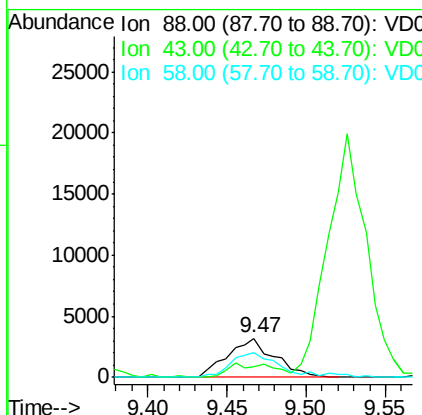
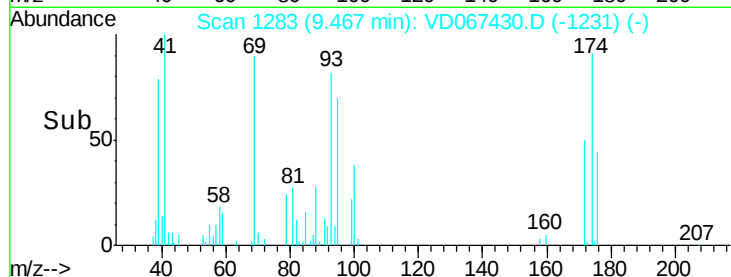
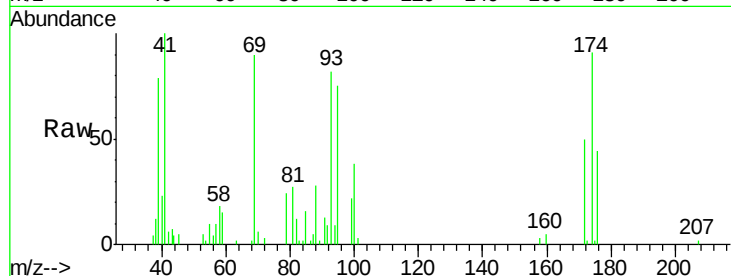
#49
1,4-Dioxane
Concen: 424.574 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

Tot Ion: 88 Resp: 6586
Ion Ratio Lower Upper
88 100
43 18.7 23.9 35.9#
58 68.0 51.0 76.6

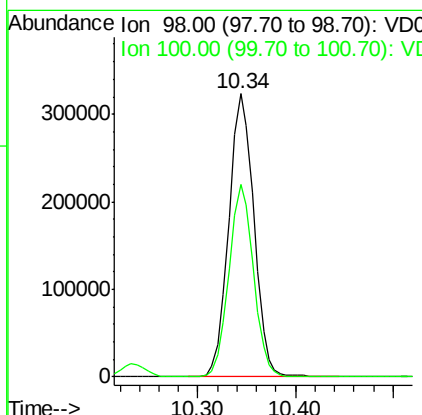
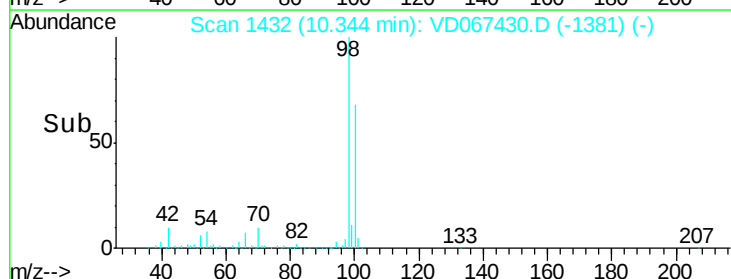
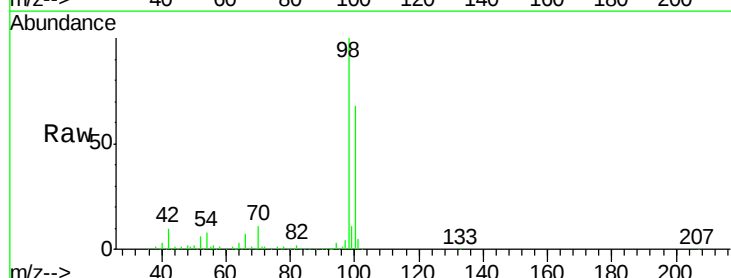
Manual Integrations
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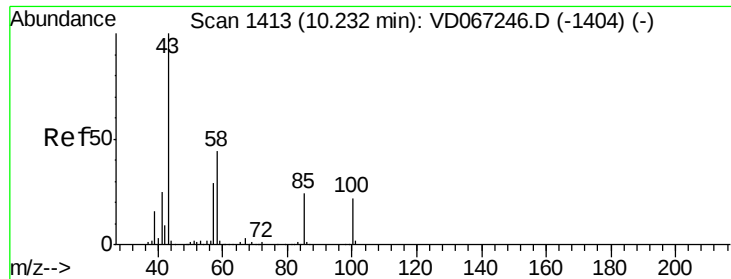
MMDadoda
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#50
Toluene-d8
Concen: 52.530 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Tgt Ion: 98 Resp: 580113
Ion Ratio Lower Upper
98 100
100 66.4 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 105.767 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBS01

Tot Ion: 43 Resp: 119693

Ion Ratio Lower Upper

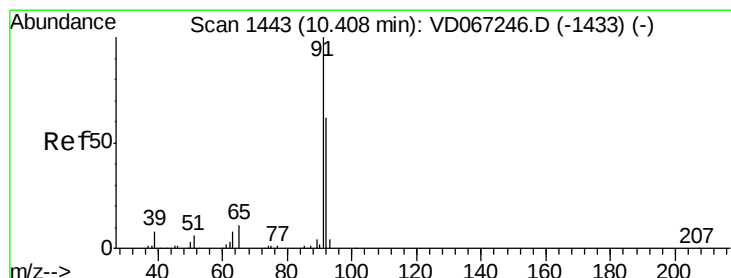
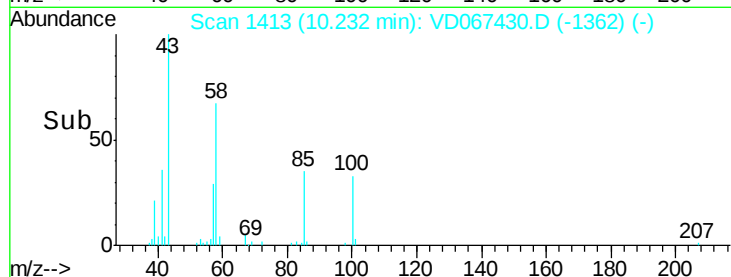
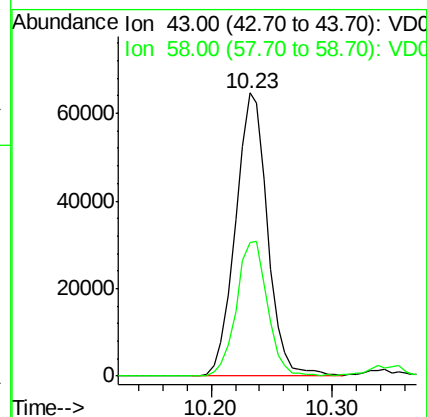
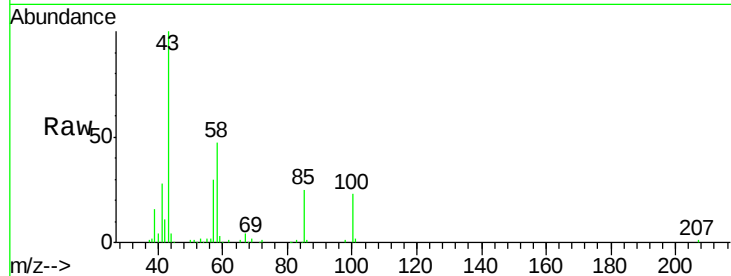
43 100

58 46.1 35.7 53.5

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#52

Toluene

Concen: 22.134 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067430.D

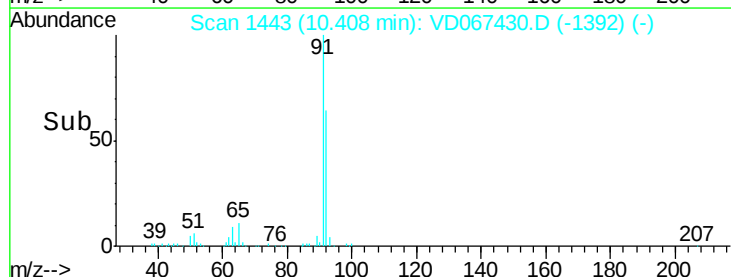
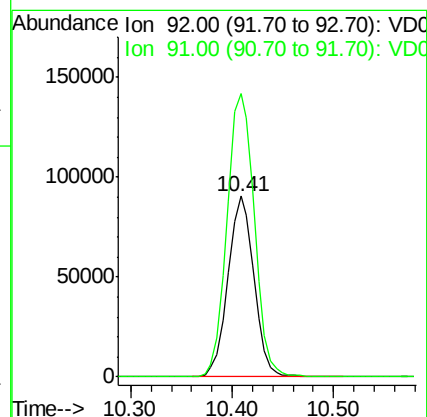
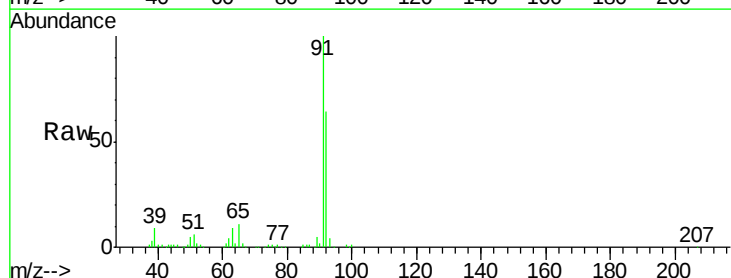
Acq: 28 Oct 2020 13:31

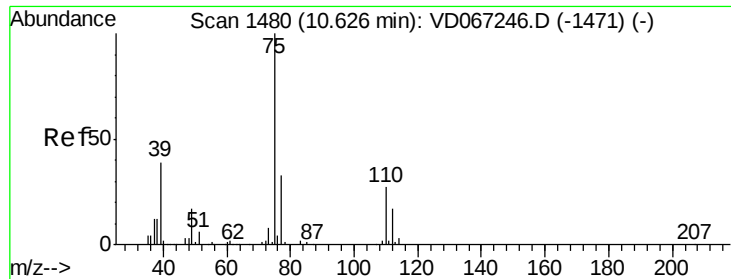
Tgt Ion: 92 Resp: 160734

Ion Ratio Lower Upper

92 100

91 165.1 133.8 200.8





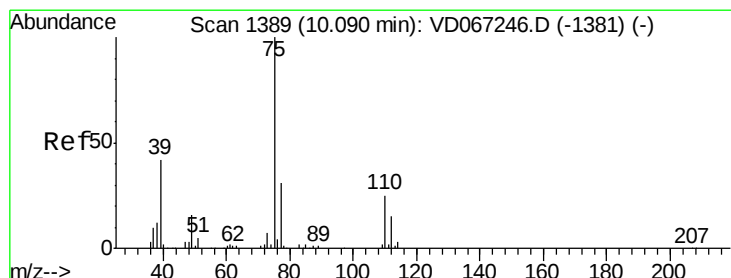
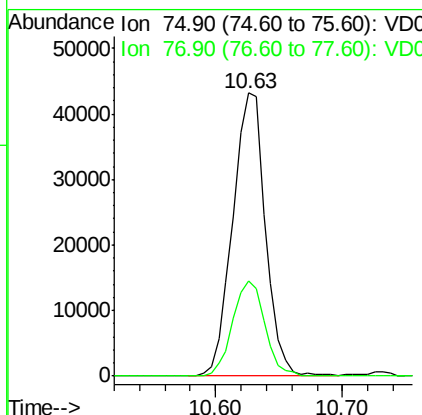
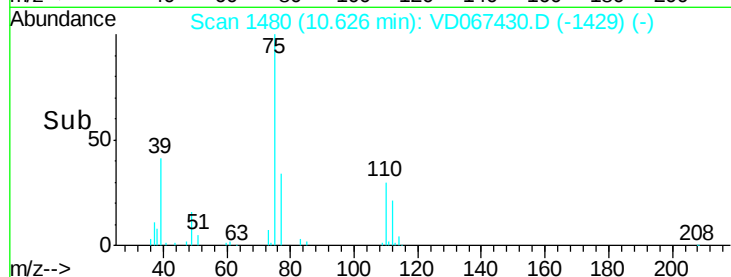
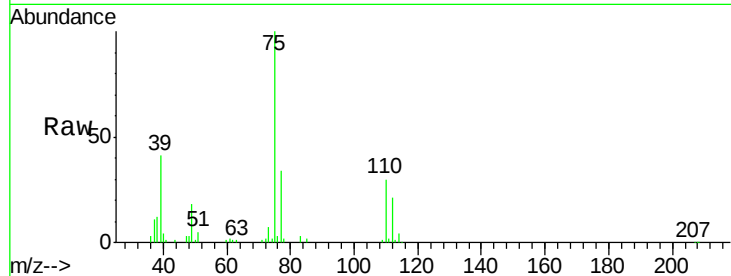
#53
t-1,3-Dichloropropene
Concen: 21.246 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

Tot Ion: 75 Resp: 76984
Ion Ratio Lower Upper
75 100
77 33.8 26.5 39.7

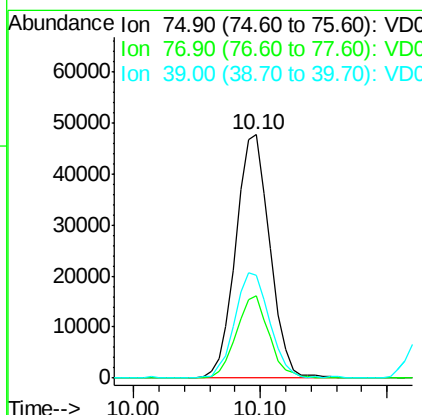
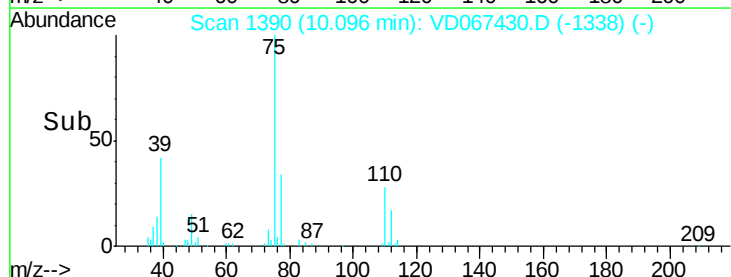
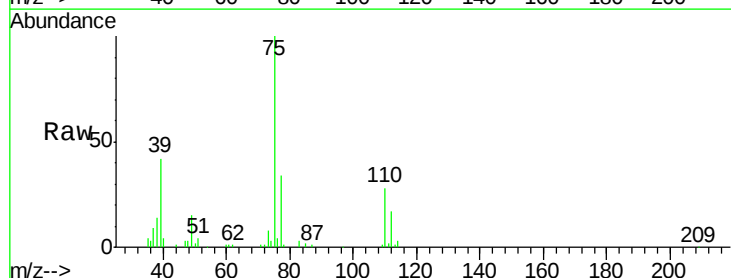
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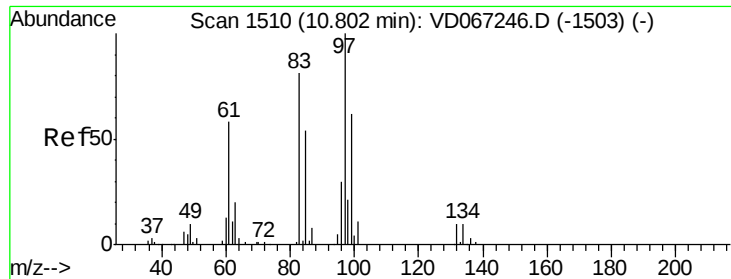
MMDadoda
10/29/2020 12:00:54 PM



#54
cis-1,3-Dichloropropene
Concen: 20.981 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.01 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Tgt Ion: 75 Resp: 88971
Ion Ratio Lower Upper
75 100
77 33.6 24.5 36.7
39 42.4 33.7 50.5





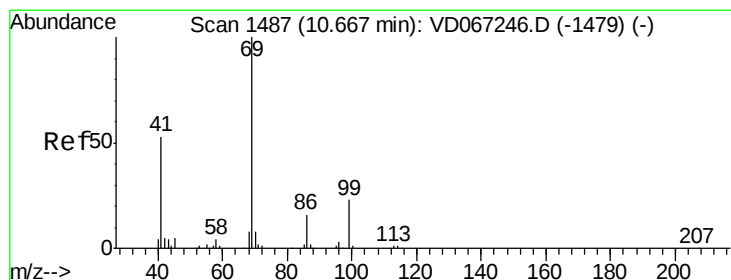
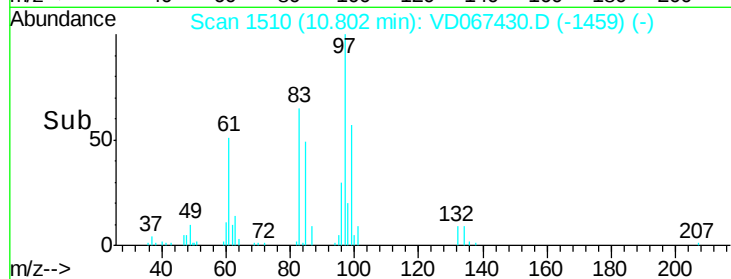
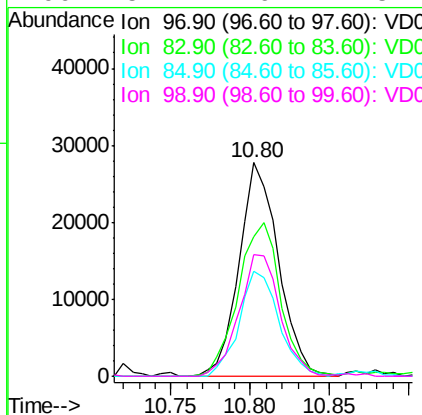
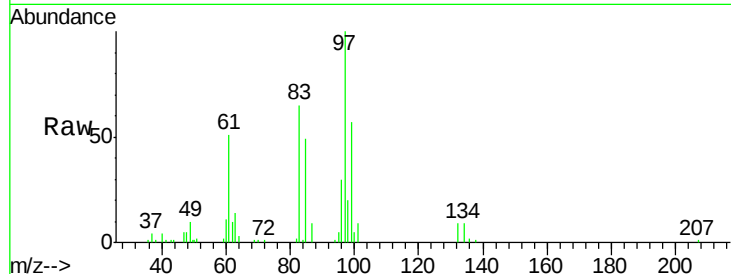
#55
 1,1,2-Trichloroethane
 Concen: 22.856 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067430.D
 Acq: 28 Oct 2020 13:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1028SBS01

Tot Ion	Ratio	Resp	Lower	Upper
97	100	47983		
83	65.4		64.9	97.3
85	49.1		43.3	64.9
99	57.1		49.1	73.7

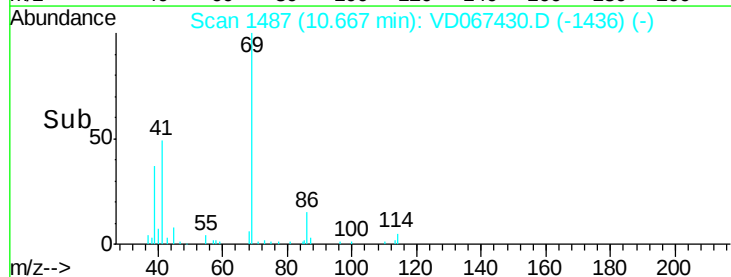
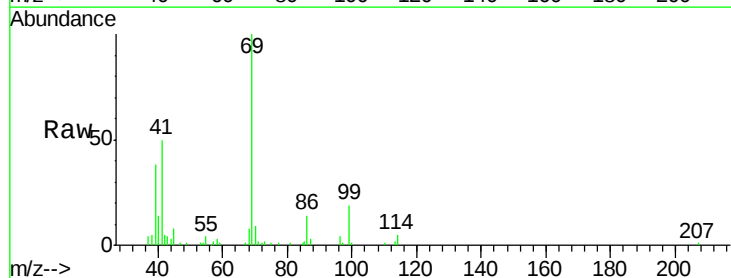
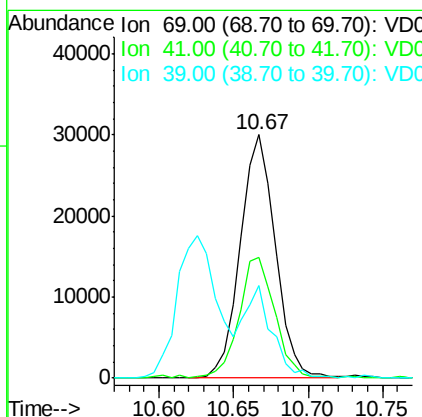
Manual Integrations
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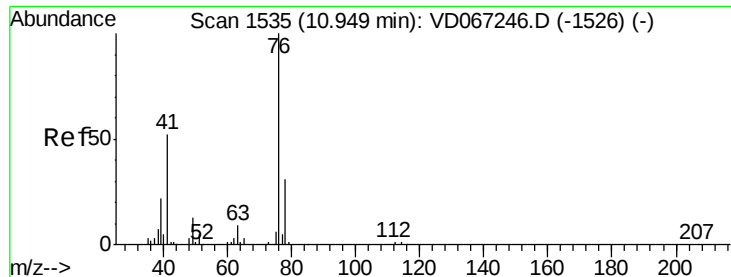
MMDadoda
 10/29/2020 12:00:54 PM



#56
 Ethyl methacrylate
 Concen: 22.411 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD067430.D
 Acq: 28 Oct 2020 13:31

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	48795		
41	50.8		44.7	67.1
39	30.9		26.2	39.2





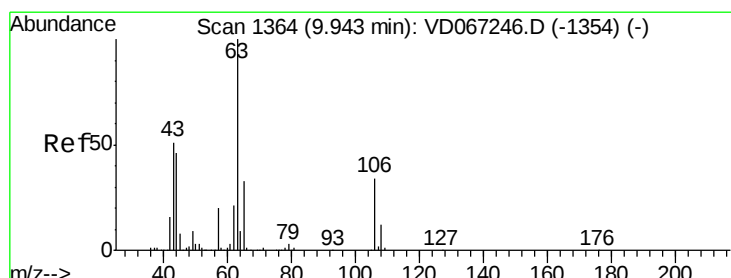
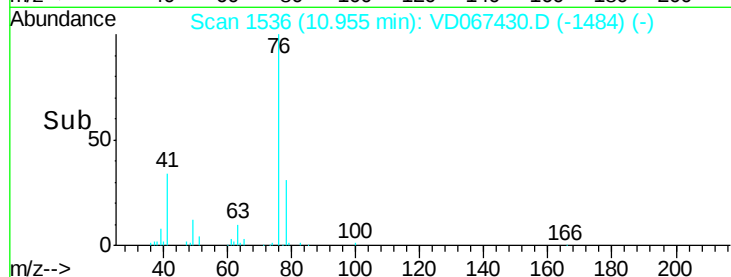
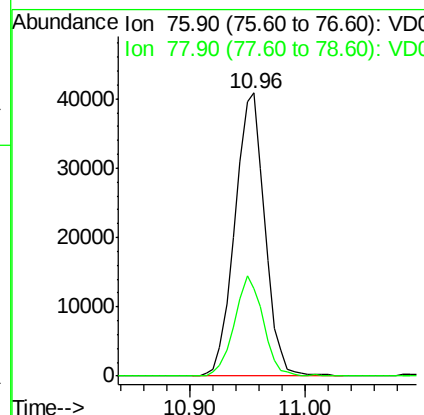
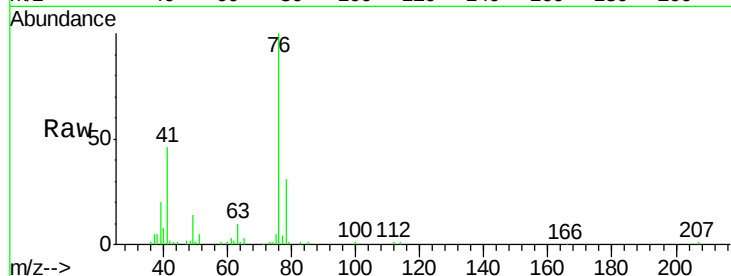
#57
 1,3-Dichloropropane
 Concen: 21.944 ug/l
 RT: 10.96 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VD067430.D
 Acq: 28 Oct 2020 13:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1028SBS01

Tot Ion: 76 Resp: 73317
 Ion Ratio Lower Upper
 76 100
 78 33.8 26.8 40.2

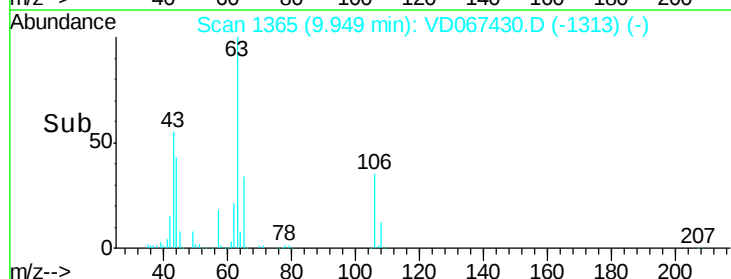
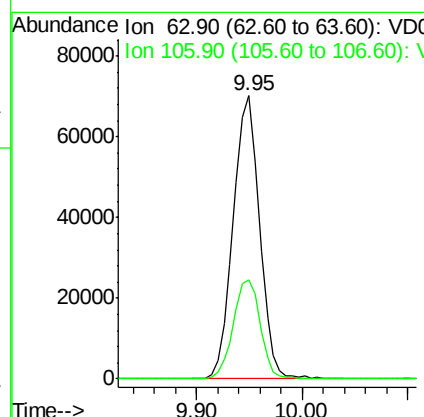
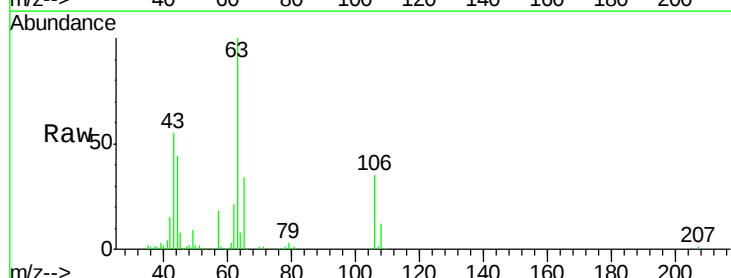
Manual Integrations
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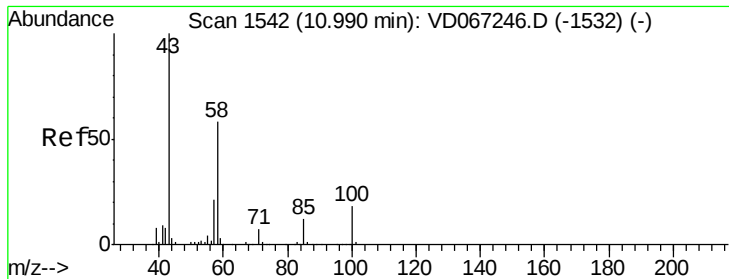
MMDadoda
 10/29/2020 12:00:54 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.547 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD067430.D
 Acq: 28 Oct 2020 13:31

Tgt Ion: 63 Resp: 121242
 Ion Ratio Lower Upper
 63 100
 106 35.6 27.8 41.6





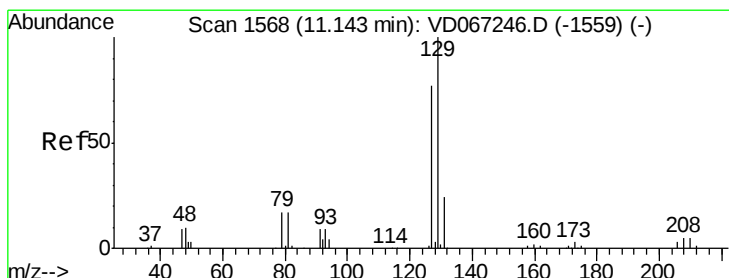
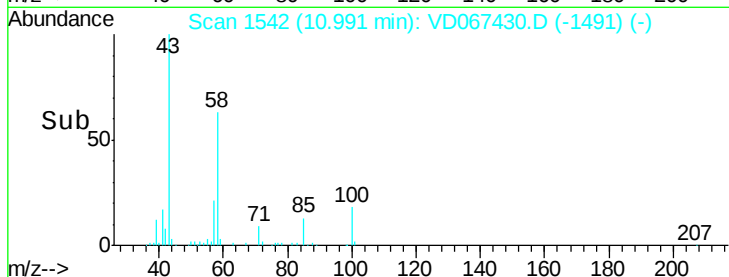
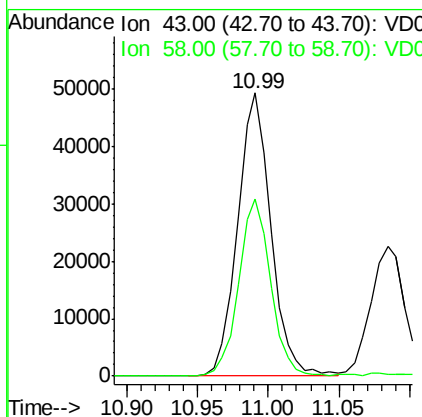
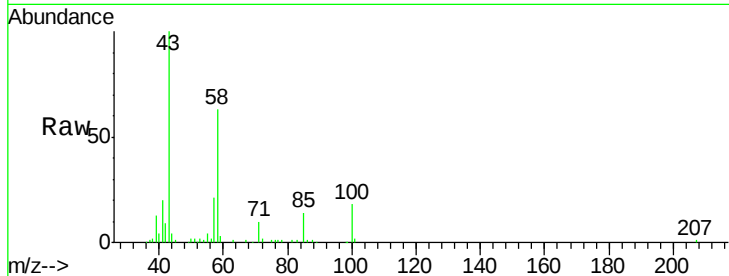
#59
2-Hexanone
Concen: 105.300 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

Tot Ion: 43 Resp: 81429
Ion Ratio Lower Upper
43 100
58 59.8 29.3 87.9

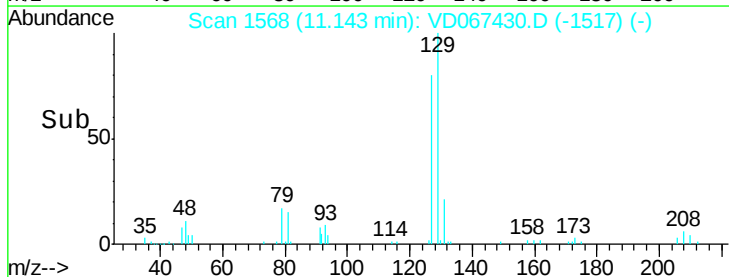
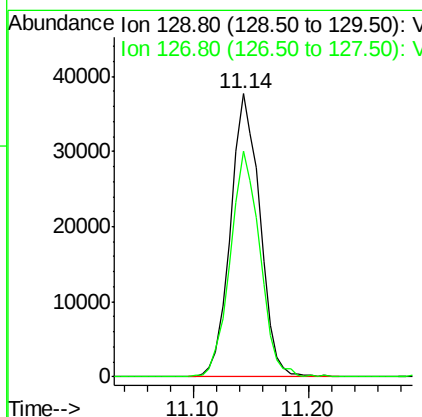
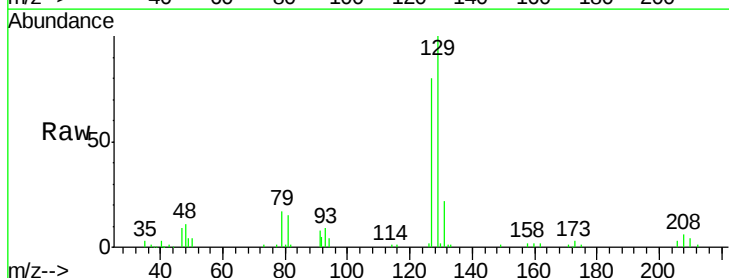
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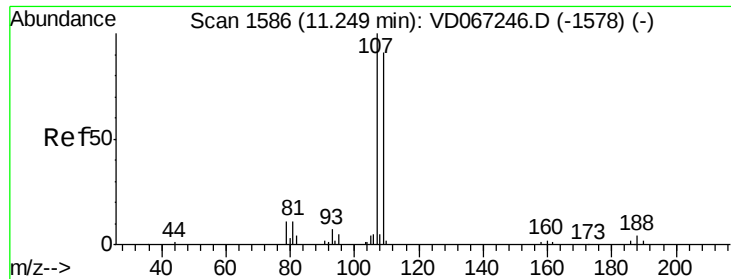
MMDadoda
10/29/2020 12:00:54 PM



#60
Dibromochloromethane
Concen: 21.688 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Tgt Ion: 129 Resp: 66401
Ion Ratio Lower Upper
129 100
127 80.3 38.3 114.8





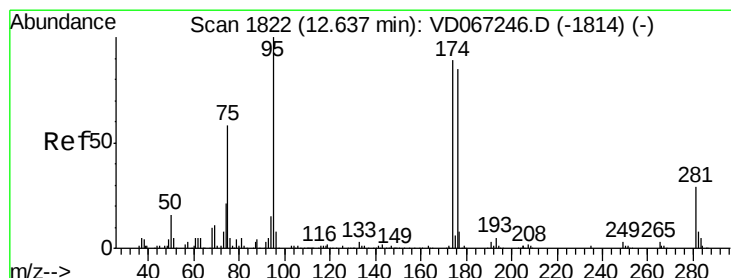
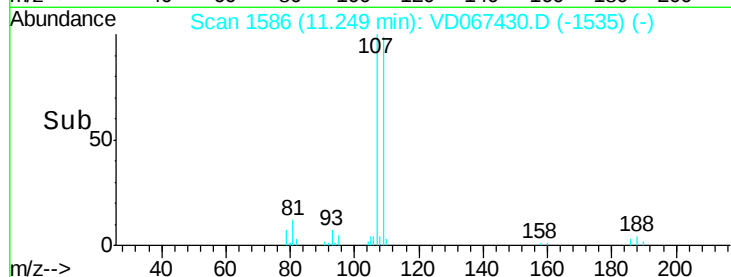
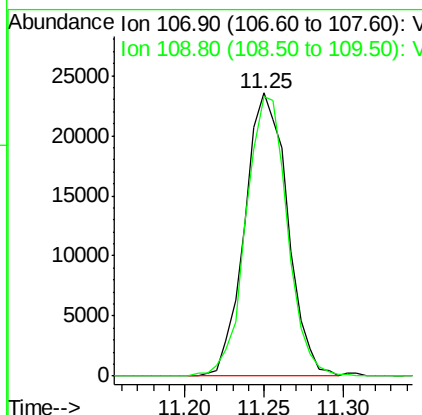
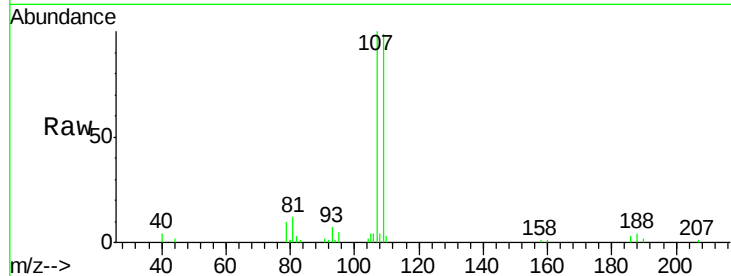
#61
 1,2-Dibromoethane
 Concen: 21.361 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067430.D
 Acq: 28 Oct 2020 13:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1028SBS01

Tot Ion: 107 Resp: 44211
 Ion Ratio Lower Upper
 107 100
 109 95.7 74.6 112.0

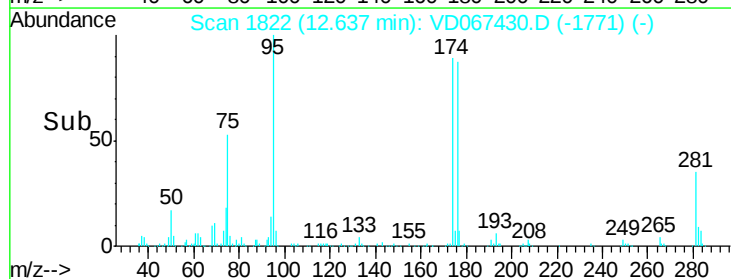
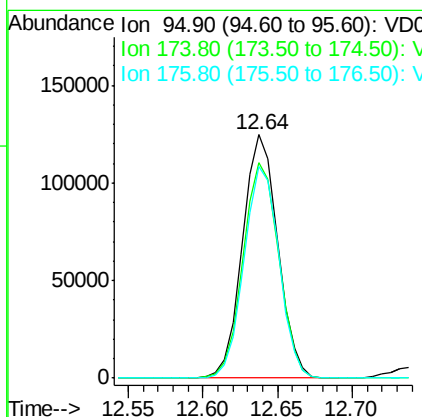
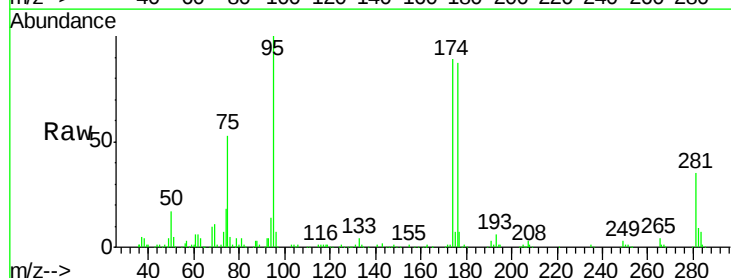
Manual Integrations
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 10/29/2020 12:00:54 PM



#62
 4-Bromofluorobenzene
 Concen: 53.015 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067430.D
 Acq: 28 Oct 2020 13:31

Tgt Ion: 95 Resp: 203580
 Ion Ratio Lower Upper
 95 100
 174 89.8 0.0 175.2
 176 86.4 0.0 168.6





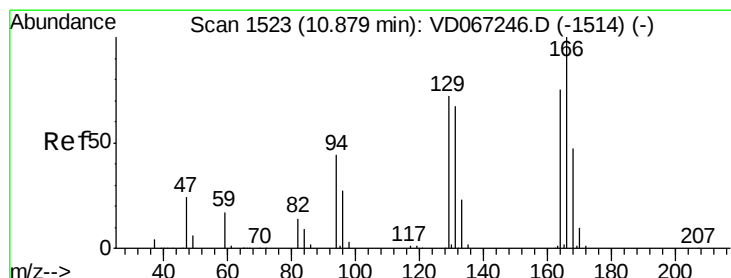
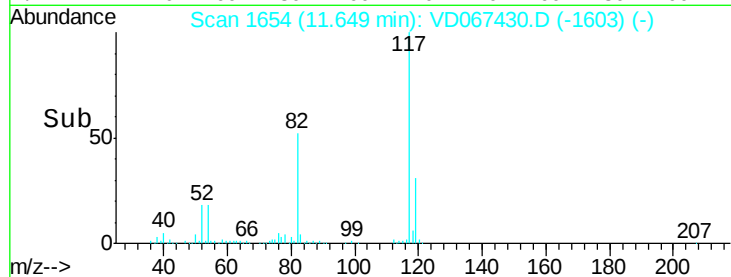
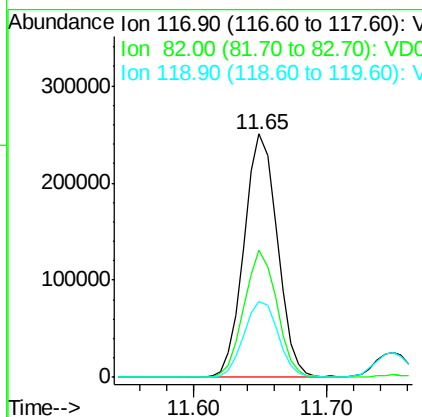
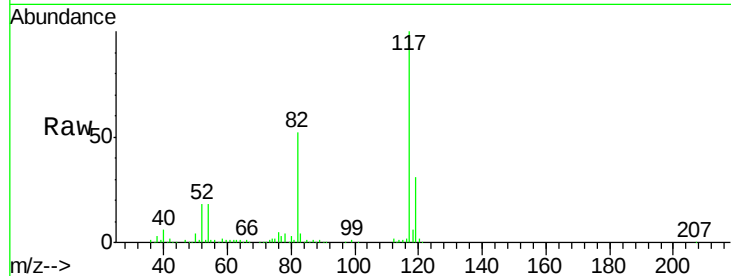
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	433725		
82	52.0		39.9	59.9
119	31.4		24.9	37.3

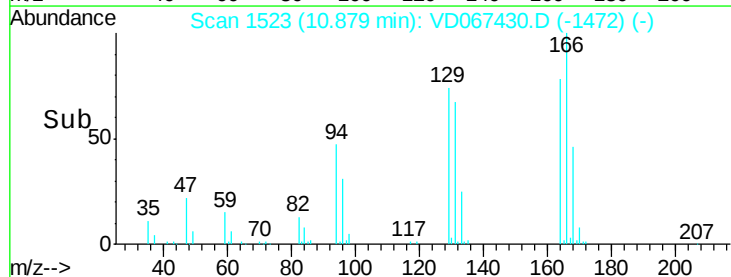
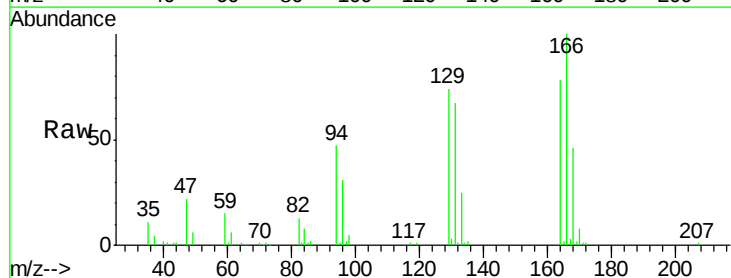
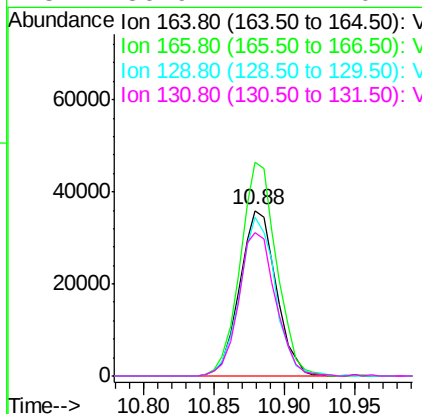
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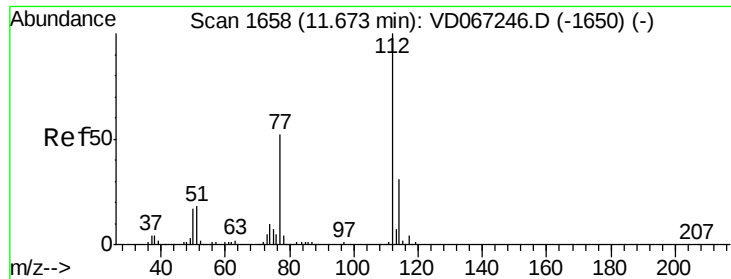
MMDadoda
10/29/2020 12:00:54 PM



#64
Tetrachloroethene
Concen: 20.693 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	65028		
166	129.0		107.3	160.9
129	95.5		77.3	115.9
131	86.9		71.4	107.2





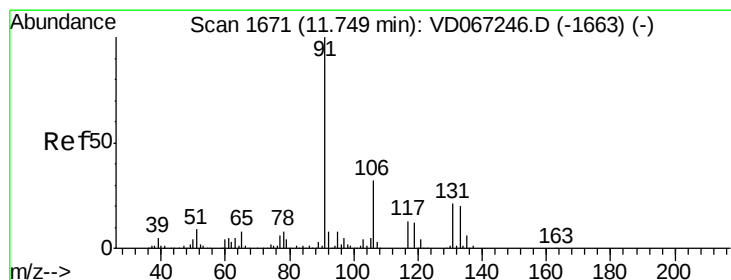
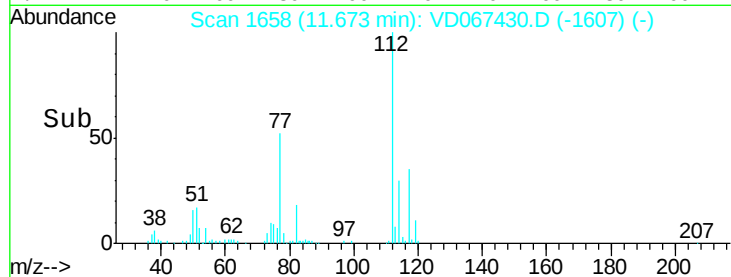
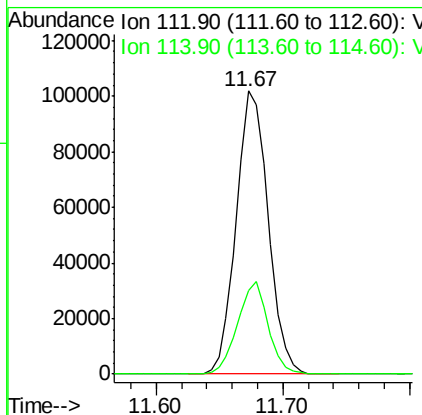
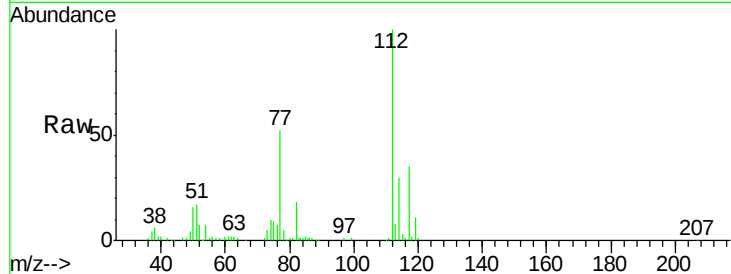
#65
Chlorobenzene
Concen: 21.450 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	29.6	25.0	37.4

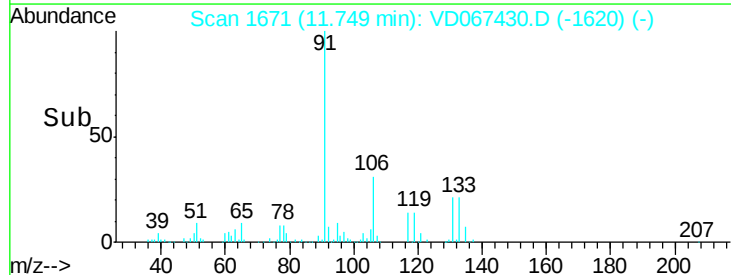
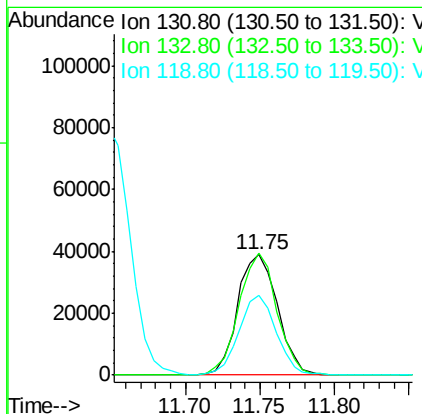
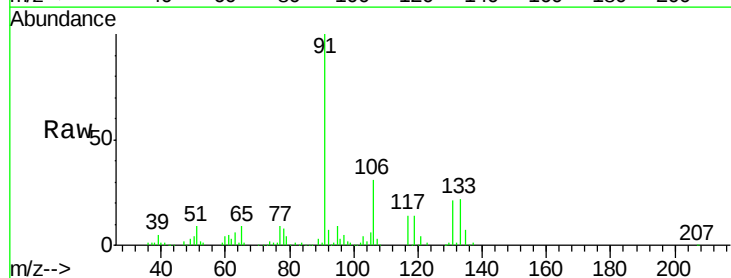
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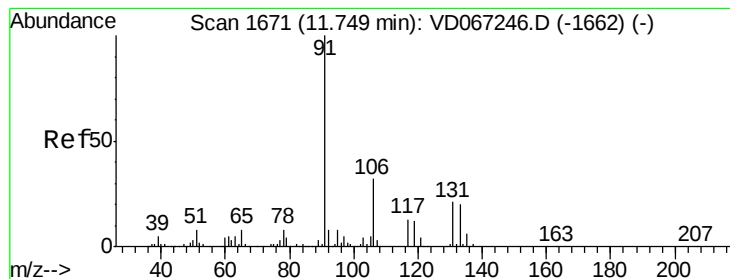
MMDadoda
10/29/2020 12:00:54 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.753 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.6	48.1	144.3
119	62.4	30.0	90.0





#67

Ethyl Benzene

Concen: 21.013 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBS01

Tot Ion: 91 Resp: 299593

Ion Ratio Lower Upper

91 100

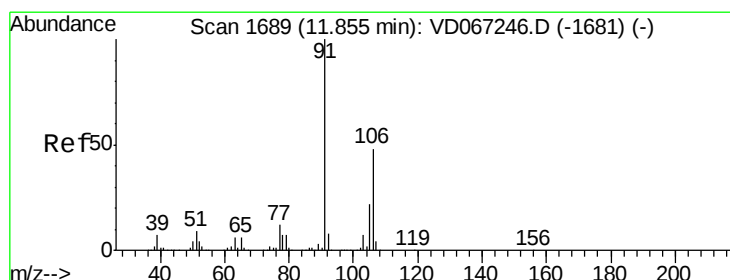
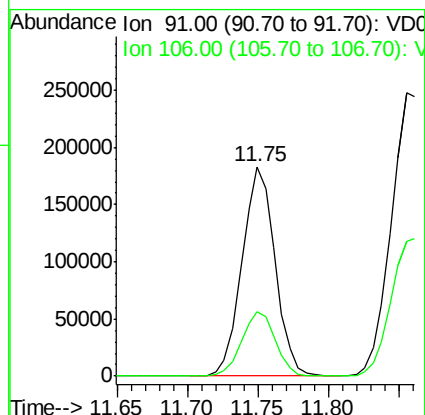
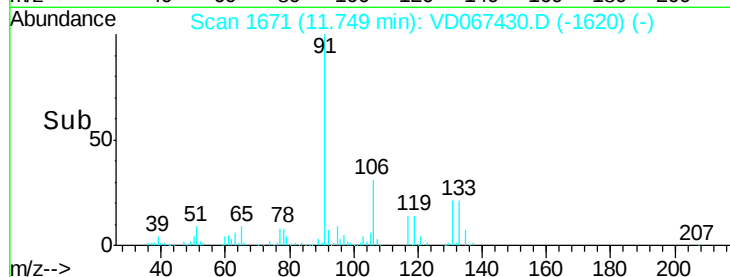
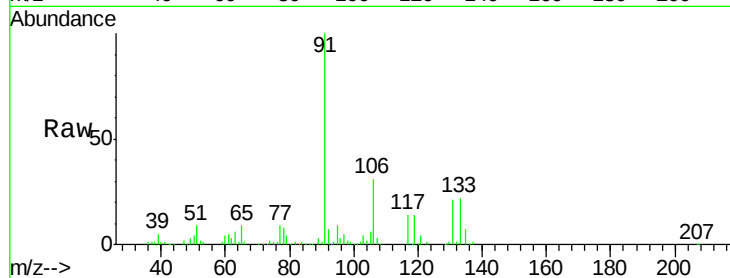
106 31.0 25.4 38.0

Manual Integrations

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#68

m/p-Xylenes

Concen: 43.175 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD067430.D

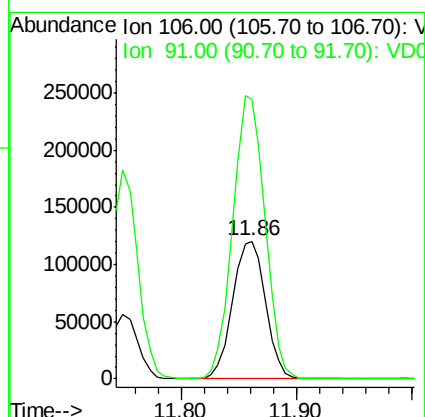
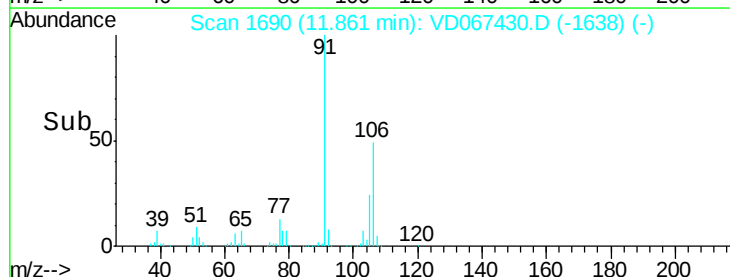
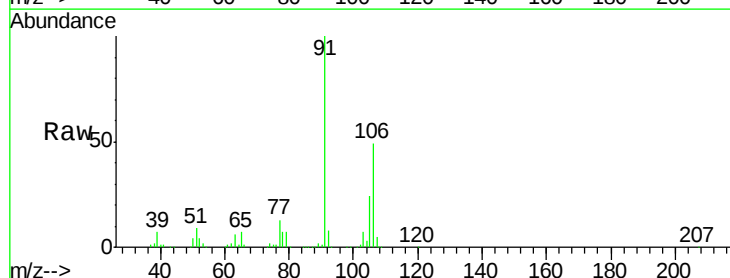
Acq: 28 Oct 2020 13:31

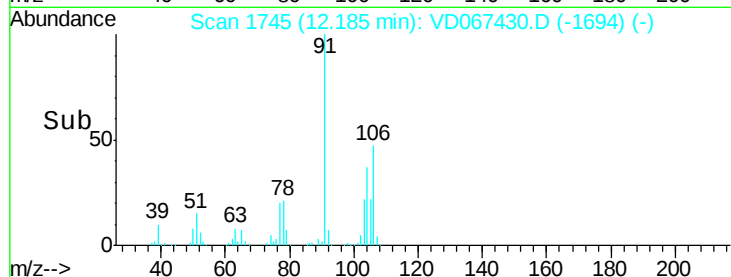
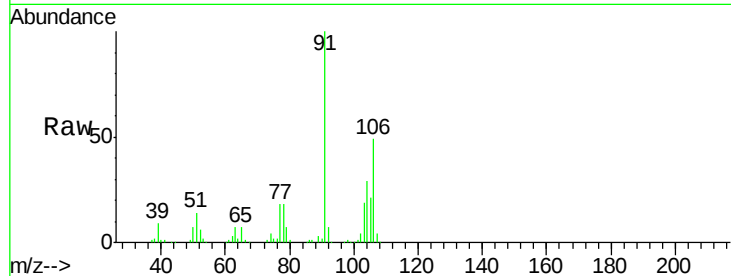
Tgt Ion: 106 Resp: 237039

Ion Ratio Lower Upper

106 100

91 201.9 163.8 245.8





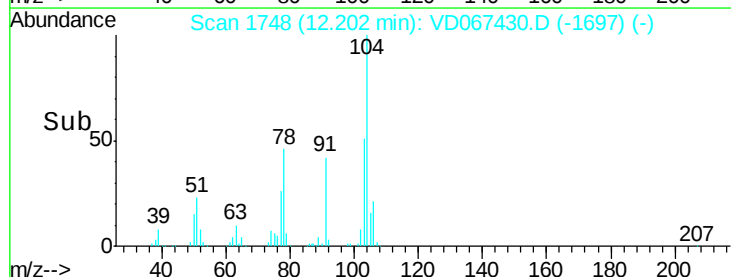
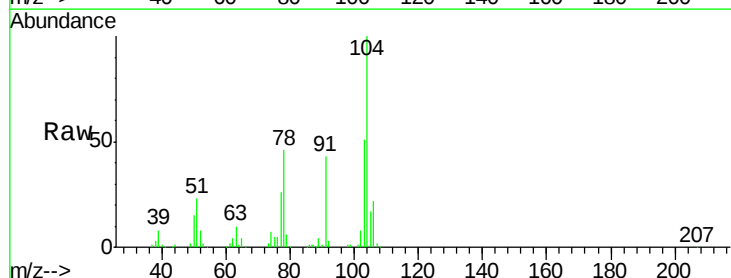
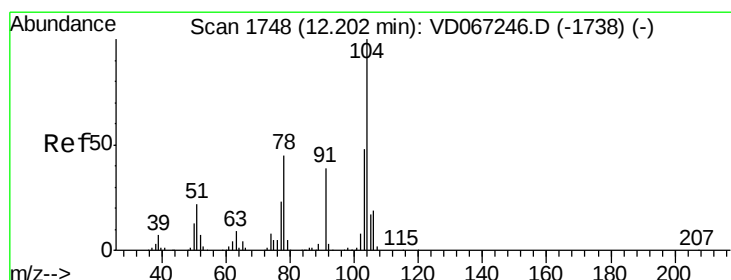
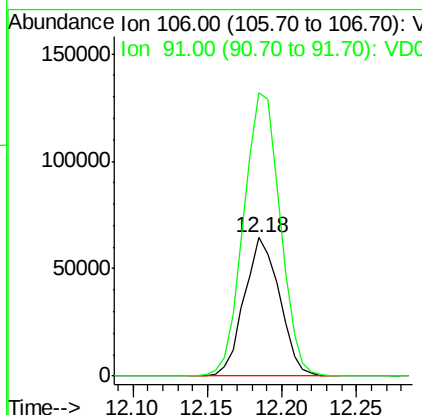
#69
o-Xylene
Concen: 20.802 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Tot Ion	Ratio	Resp	Lower	Upper
106	100	105757		
91	211.7	109.1	327.3	

Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

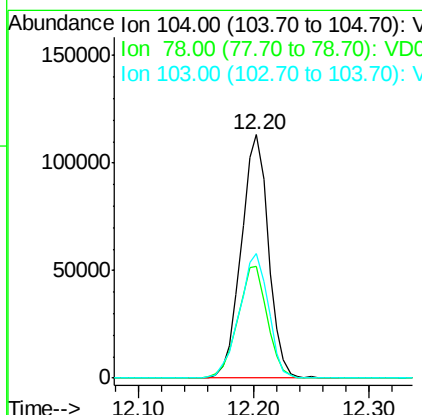
Manual Integrations
APPROVED

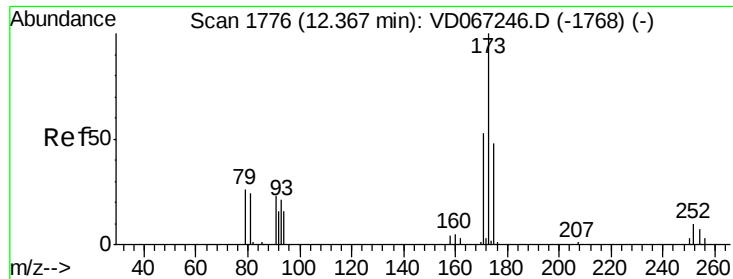
MMDadoda
10/29/2020 12:00:54 PM



#70
Styrene
Concen: 21.117 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	184808		
78	49.8	39.8	59.6	
103	54.7	42.6	64.0	





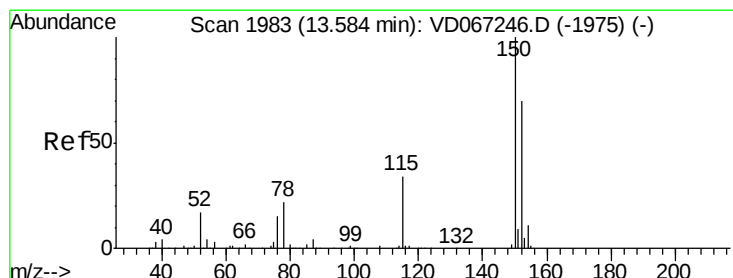
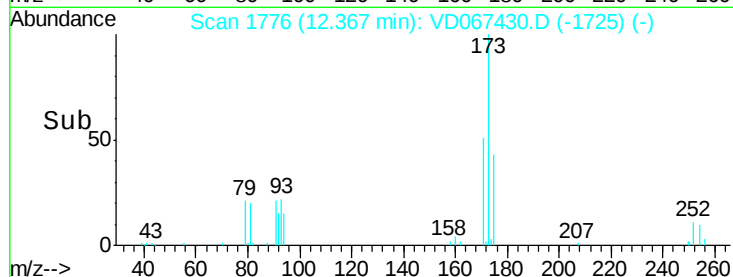
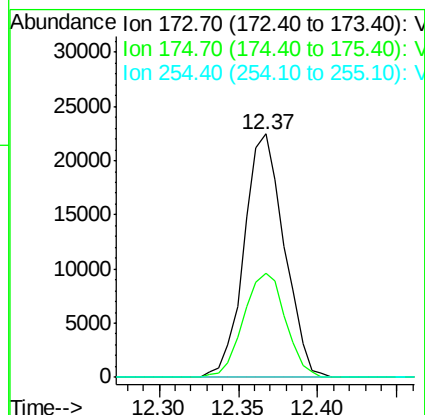
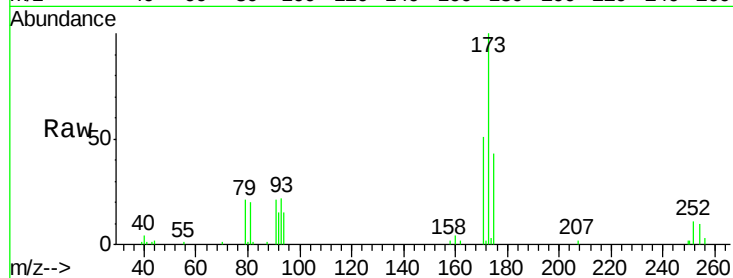
#71
Bromoform
Concen: 22.262 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	44.6	24.2	72.6
254	0.0	0.1	0.1#

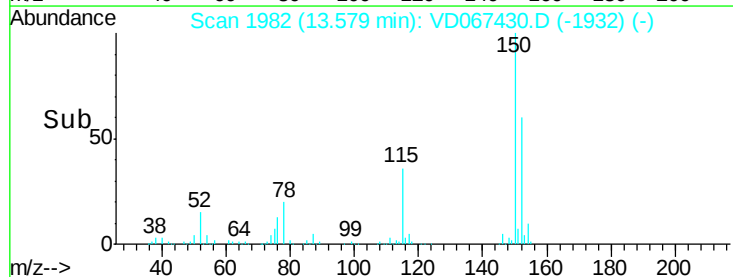
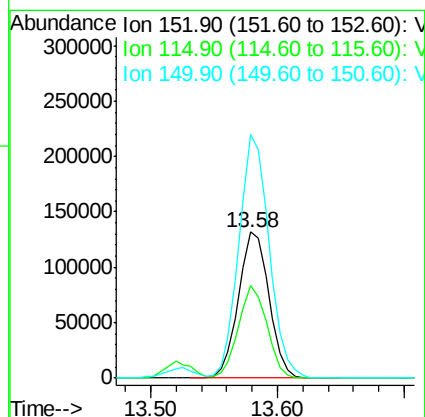
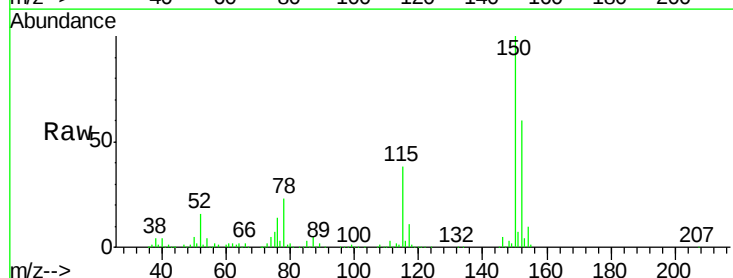
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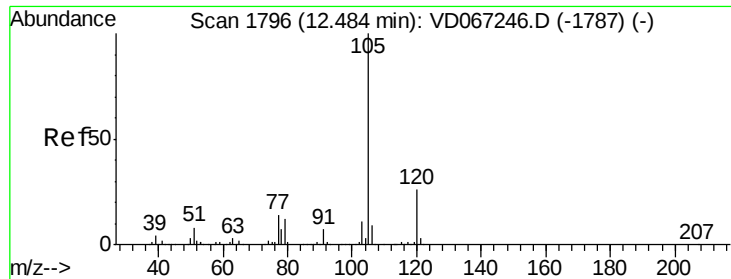
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.3	29.3	87.9
150	166.1	0.0	339.0





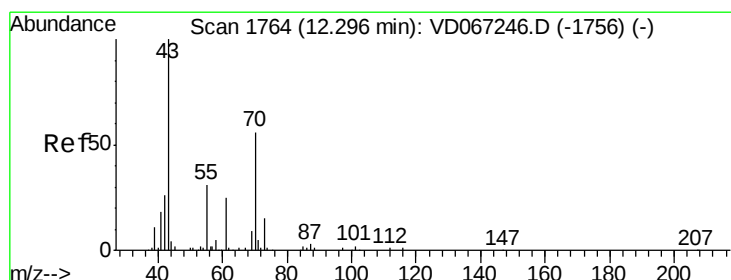
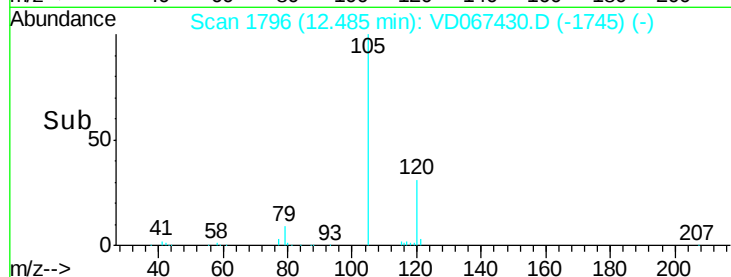
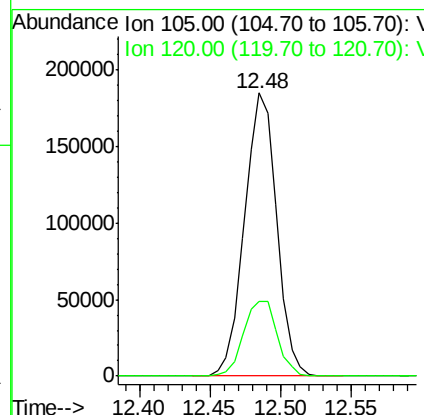
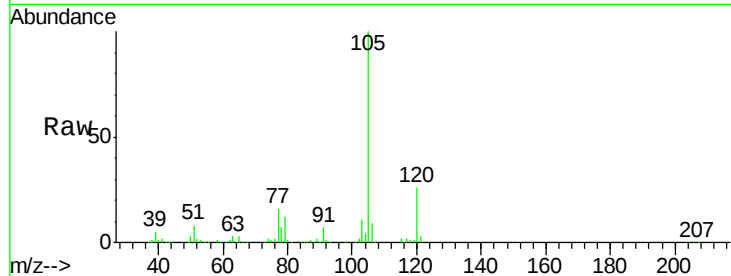
#73
Isopropylbenzene
Concen: 21.146 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	294833		
120	28.0	13.3	39.8	

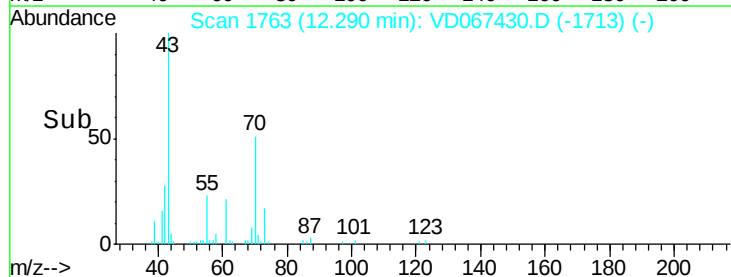
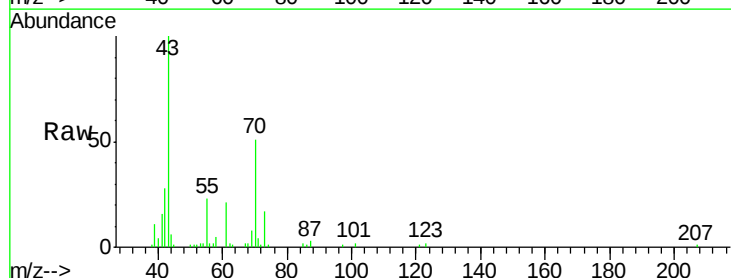
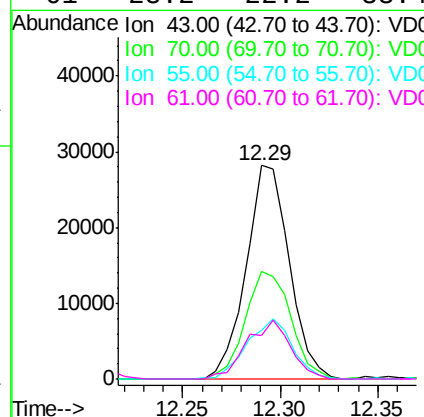
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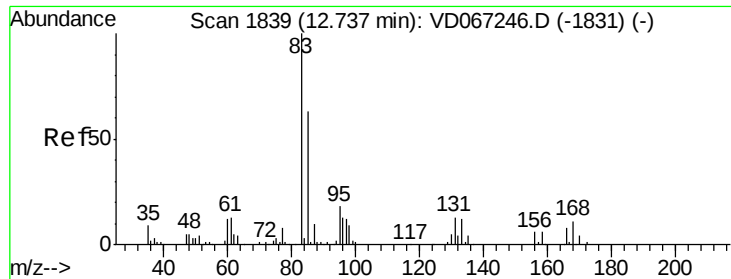
MMDadoda
10/29/2020 12:00:54 PM



#74
N-ethyl acetate
Concen: 20.564 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	43303		
70	53.2	42.7	64.1	
55	29.6	24.0	36.0	
61	28.2	22.2	33.4	





#75

1,1,2,2-Tetrachloroethane

Concen: 20.334 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Instrument :

MSVOA_D

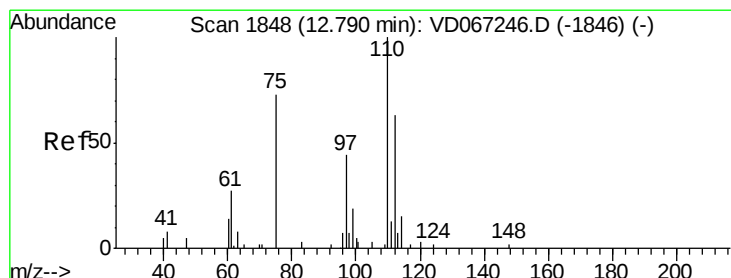
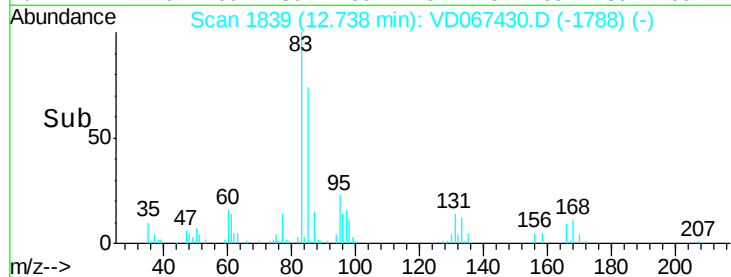
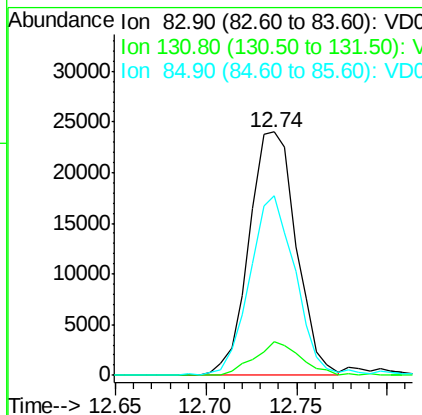
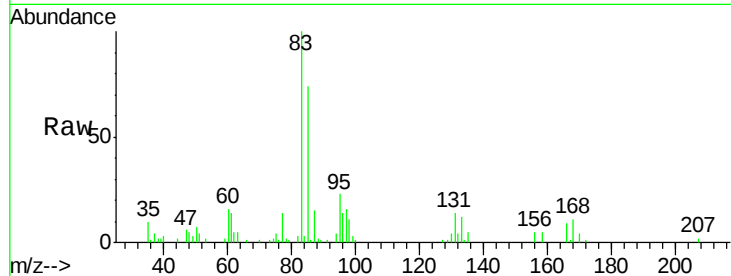
ClientSampleId :

VD1028SBS01

Tot Ion:	83	Resp:	43440
Ion Ratio	Lower	Upper	
83	100		
131	13.5	6.5	19.5
85	71.6	32.6	97.7

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#76

1,2,3-Trichloropropane

Concen: 22.717 ug/l m

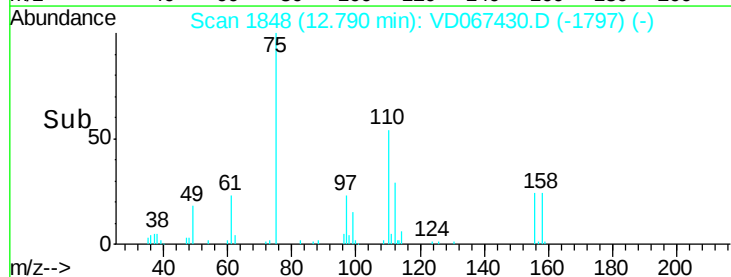
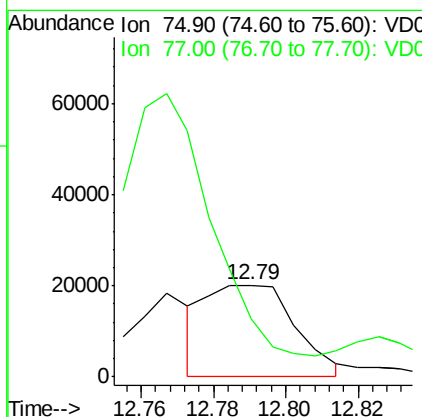
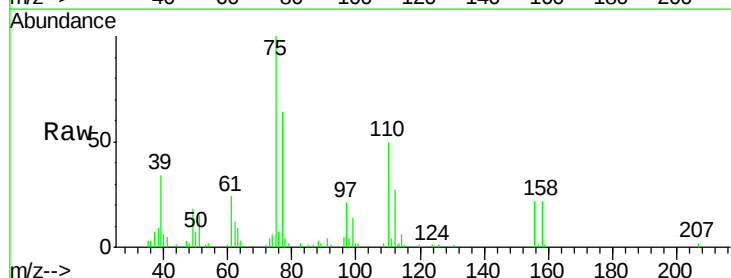
RT: 12.79 min Scan# 1848

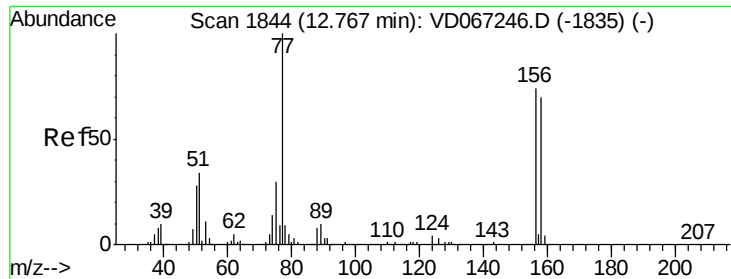
Delta R.T. 0.00 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Tgt Ion:	75	Resp:	34590
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.532 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Instrument :

MSVOA_D

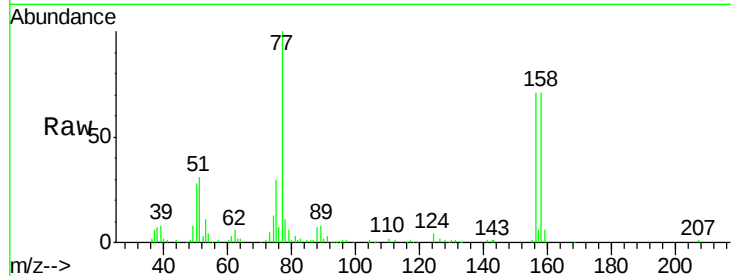
ClientSampleId :

VD1028SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	160.9	78.0	233.8	
158	96.3	49.1	147.3	

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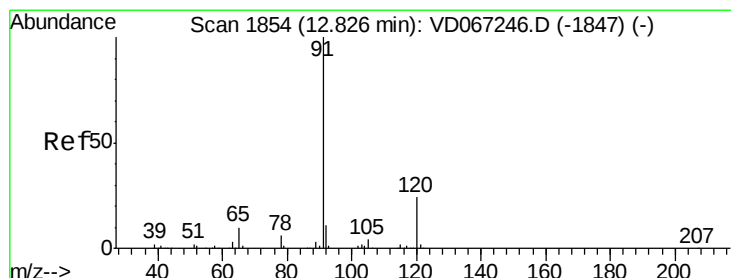
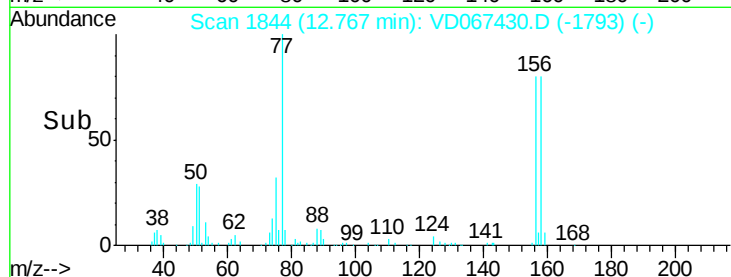
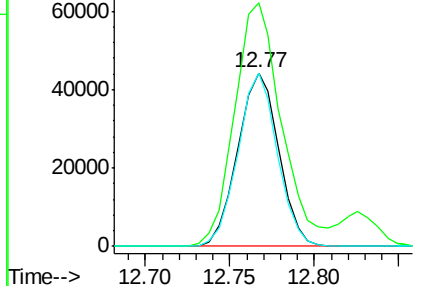
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.327 ug/l

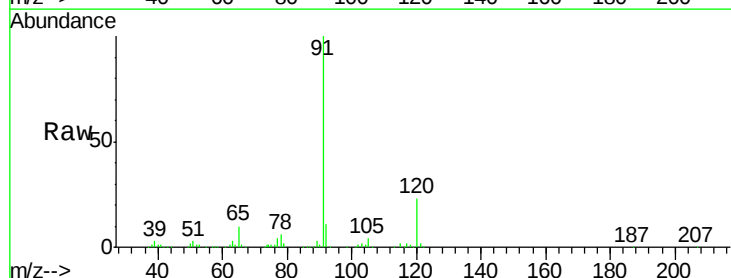
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067430.D

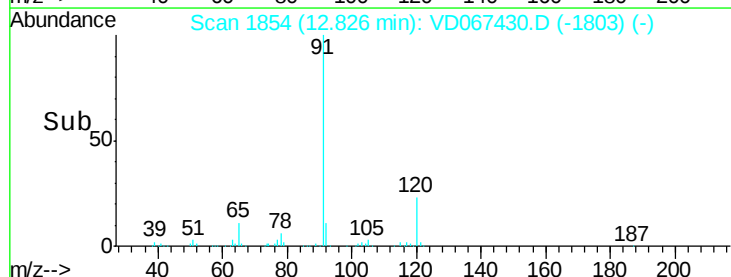
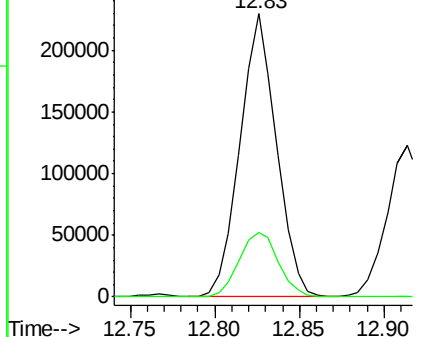
Acq: 28 Oct 2020 13:31

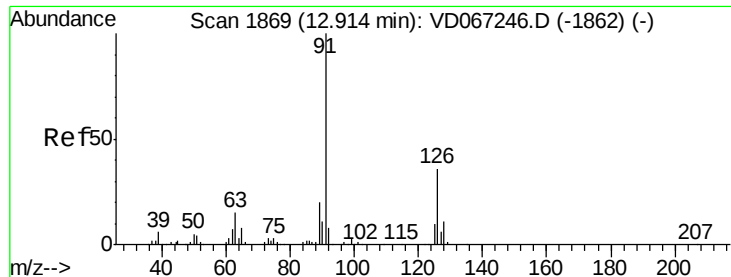
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.6	11.9	35.9	



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.521 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBS01

Tot Ion: 91 Resp: 201618

Ion Ratio Lower Upper

91 100

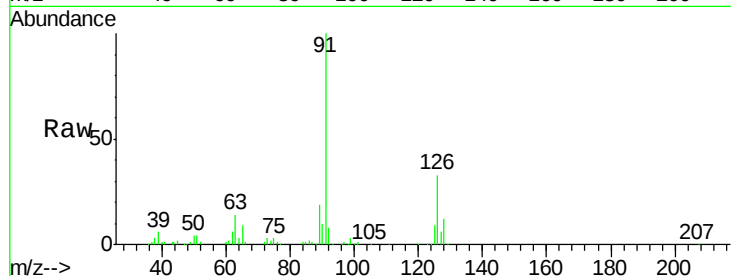
126 35.8 17.6 52.8

Manual Integrations

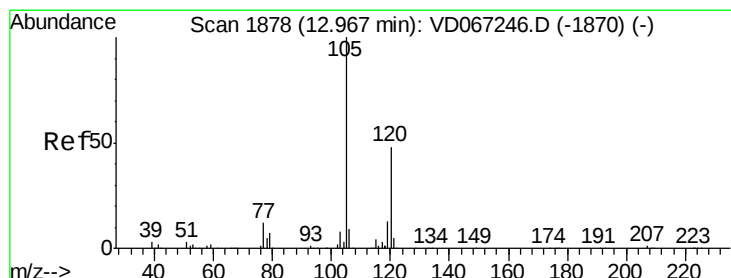
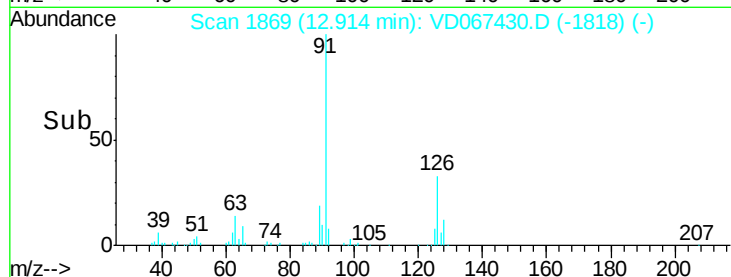
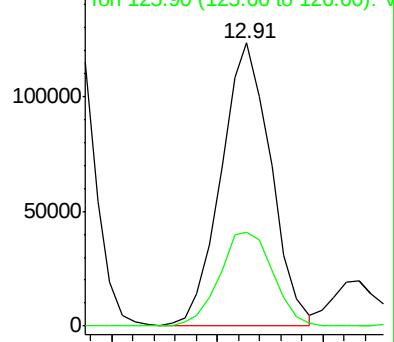
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Abundance Ion 91.00 (90.70 to 91.70): VD067430.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.861 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067430.D

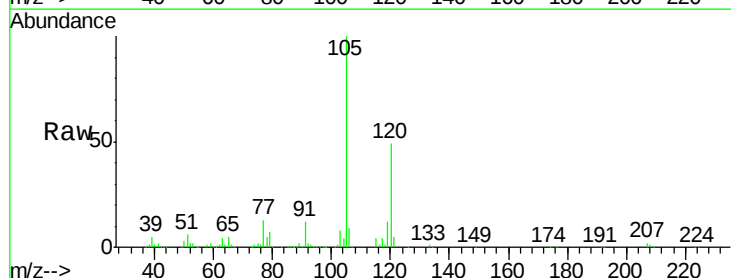
Acq: 28 Oct 2020 13:31

Tgt Ion: 105 Resp: 264869

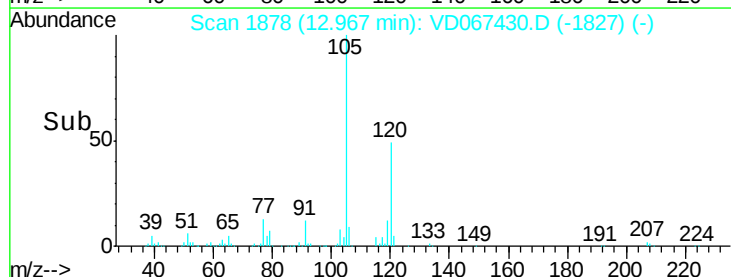
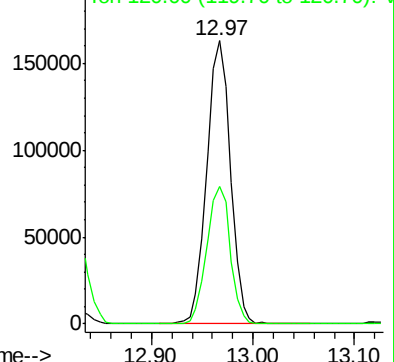
Ion Ratio Lower Upper

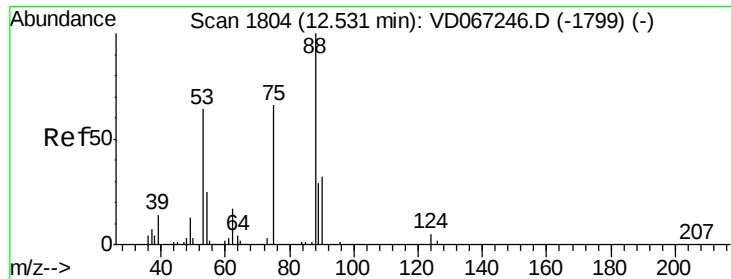
105 100

120 48.3 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VD067430.D (-1870) (-)





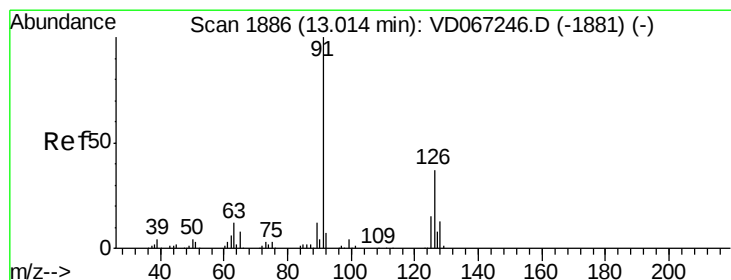
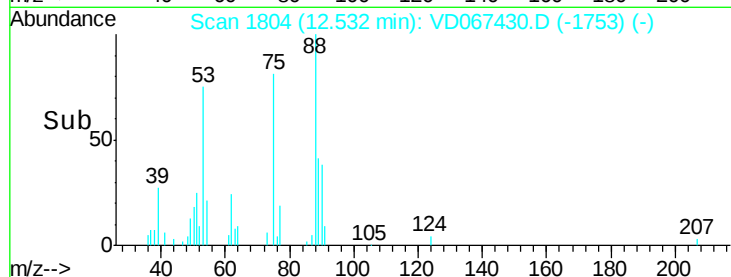
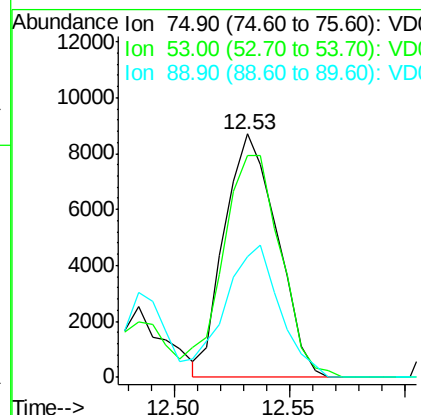
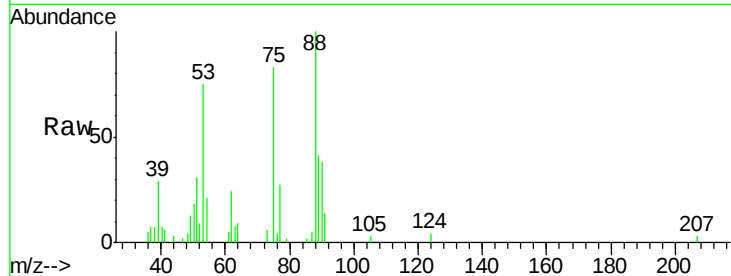
#81
trans-1,4-Dichloro-2-butene
Concen: 20.641 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.4	78.5	117.7
89	57.3	39.9	59.9

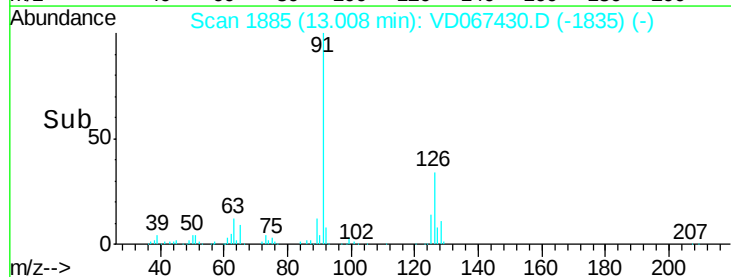
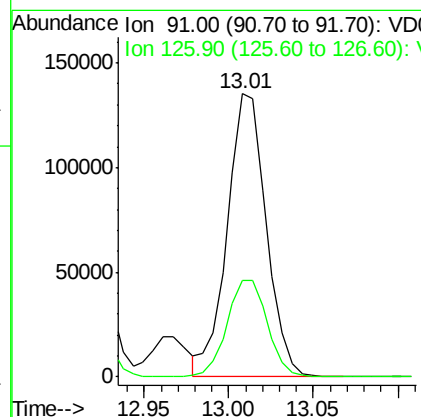
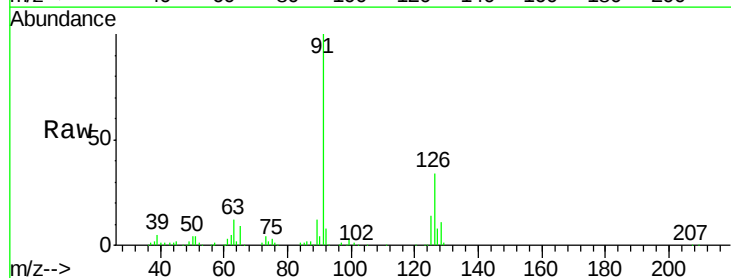
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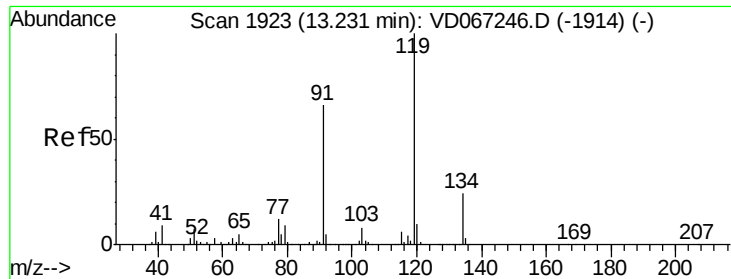
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#82
4-Chlorotoluene
Concen: 21.814 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.8	53.5





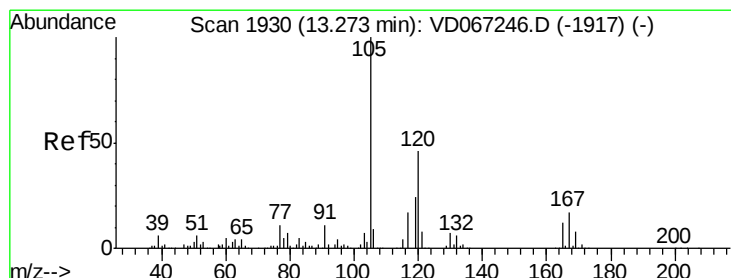
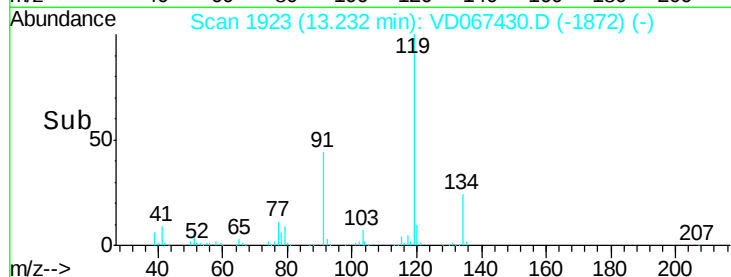
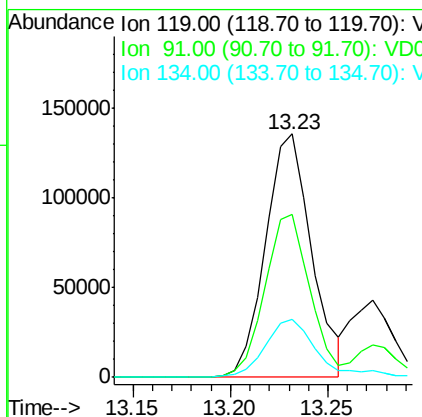
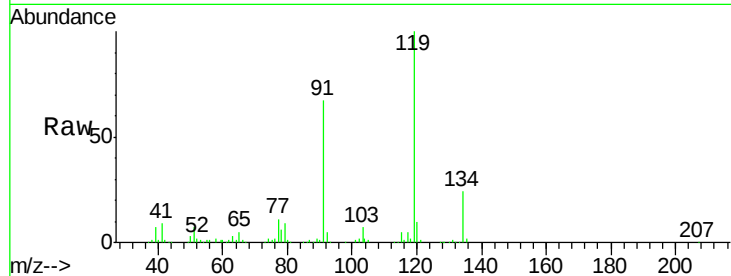
#83
tert-Butylbenzene
Concen: 21.738 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	222483		
91	65.2	33.1	99.2	
134	26.8	13.3	39.9	

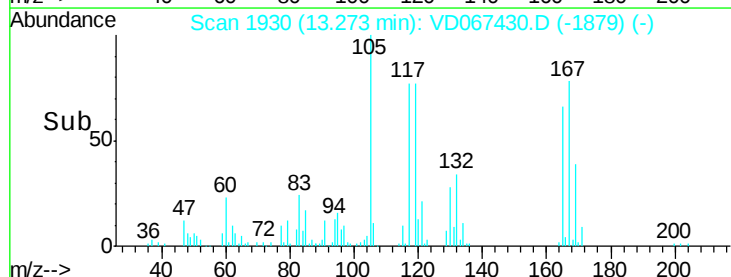
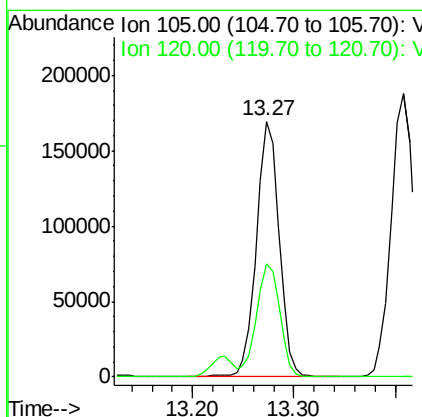
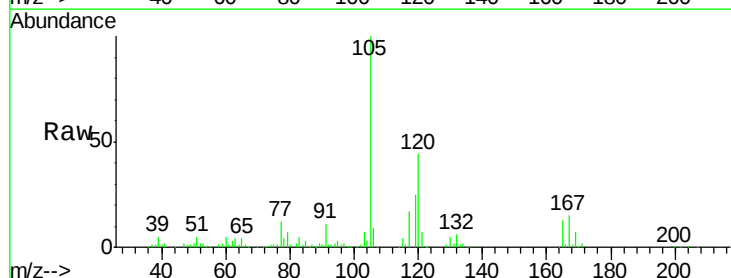
Manual Integrations
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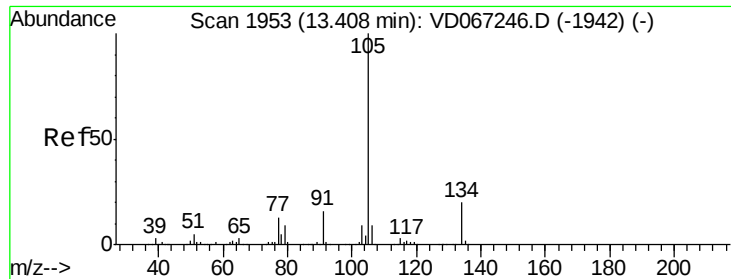
MMDadoda
10/29/2020 12:00:54 PM



#84
1,2,4-Trimethylbenzene
Concen: 22.269 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	266680		
120	45.4	22.4	67.3	





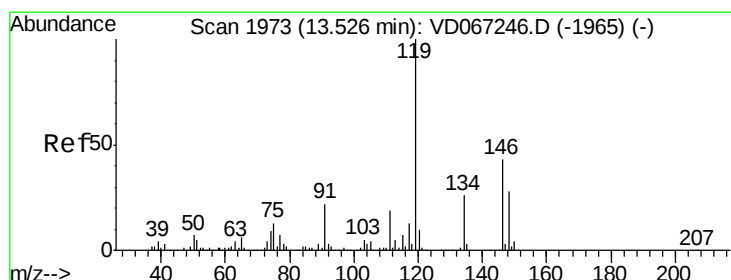
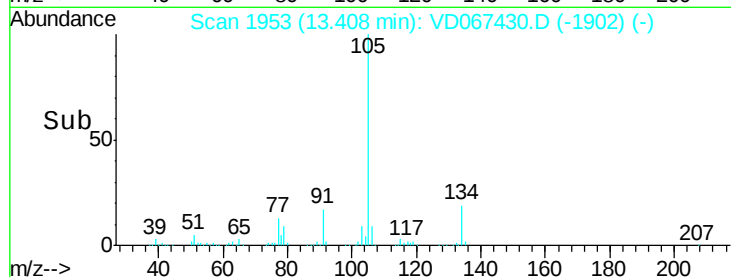
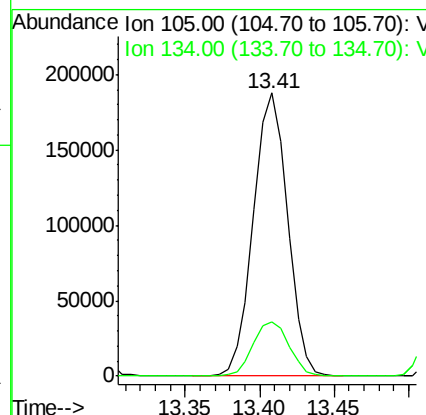
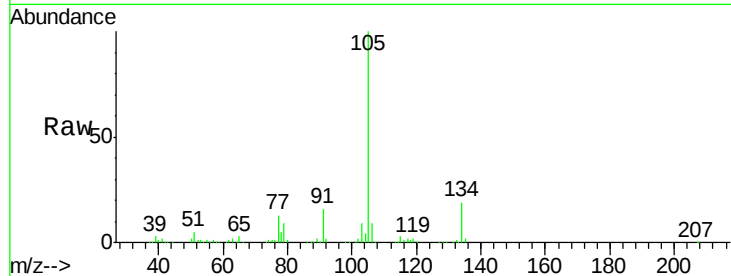
#85
 sec-Butylbenzene
 Concen: 21.183 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067430.D
 Acq: 28 Oct 2020 13:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1028SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.5	31.5

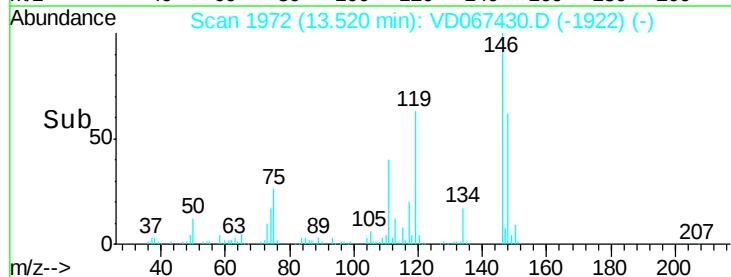
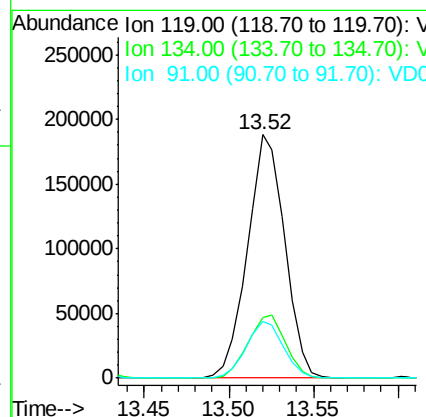
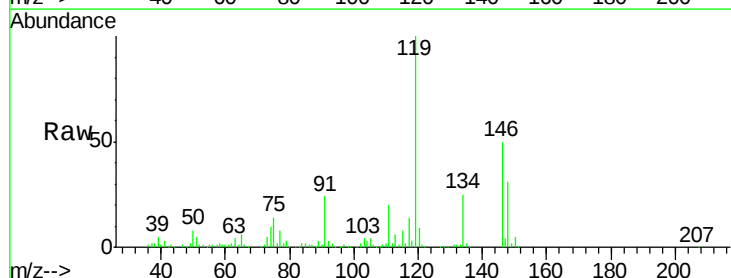
Manual Integrations
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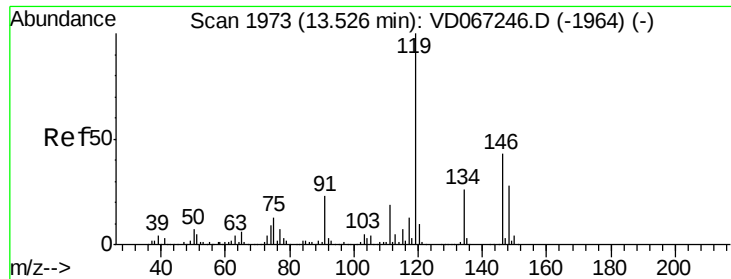
MMDadoda
 10/29/2020 12:00:54 PM



#86
 p-Isopropyltoluene
 Concen: 21.817 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067430.D
 Acq: 28 Oct 2020 13:31

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.1	39.3
91	23.5	11.9	35.9





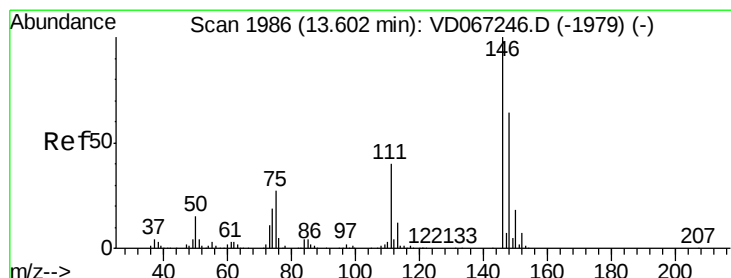
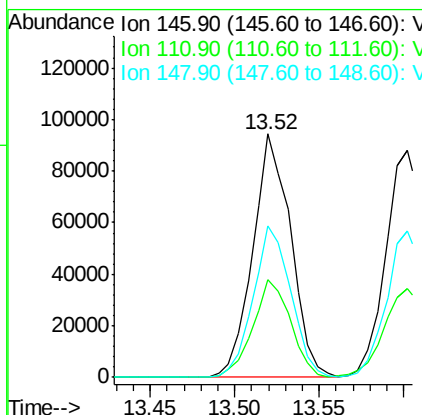
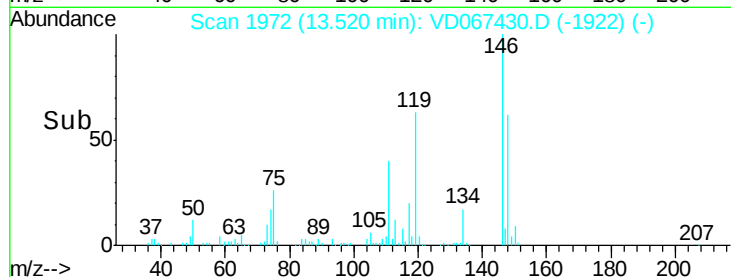
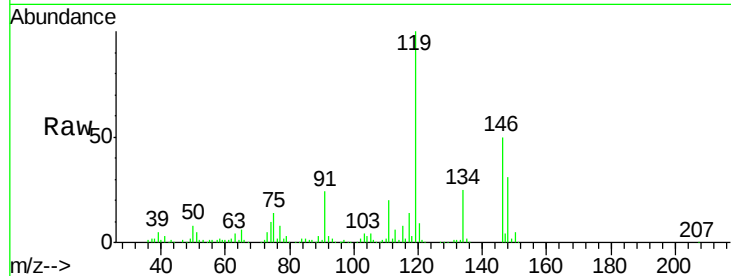
#87
 1,3-Dichlorobenzene
 Concen: 22.111 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067430.D
 Acq: 28 Oct 2020 13:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1028SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	21.1	63.3
148	61.7	31.9	95.9

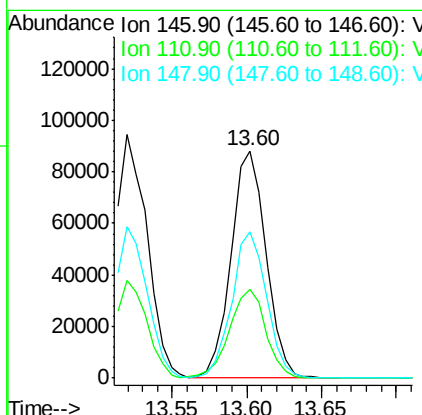
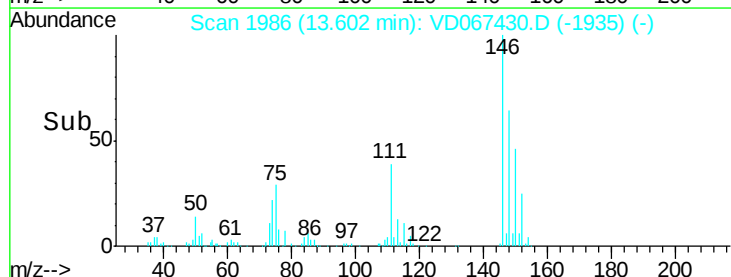
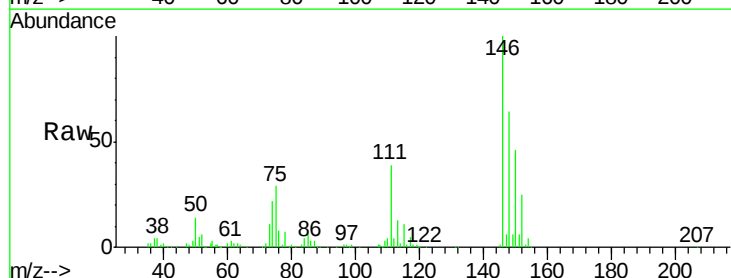
Manual Integrations
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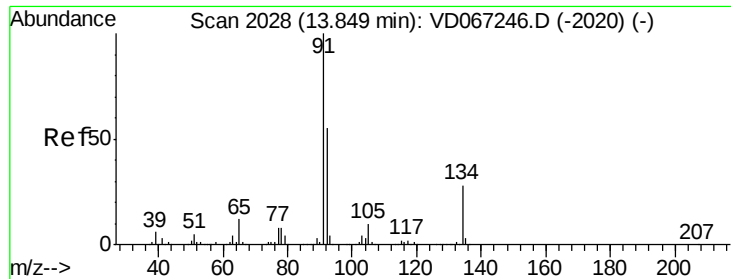
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#88
 1,4-Dichlorobenzene
 Concen: 21.753 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067430.D
 Acq: 28 Oct 2020 13:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.9	59.7
148	64.0	31.9	95.9





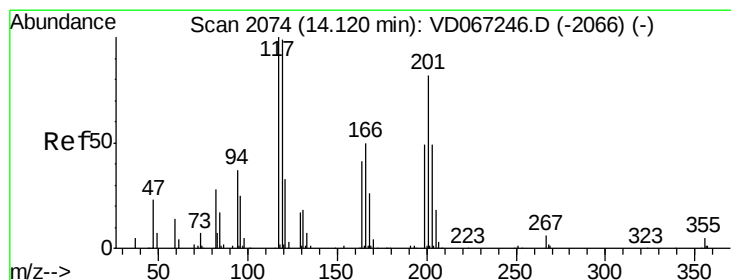
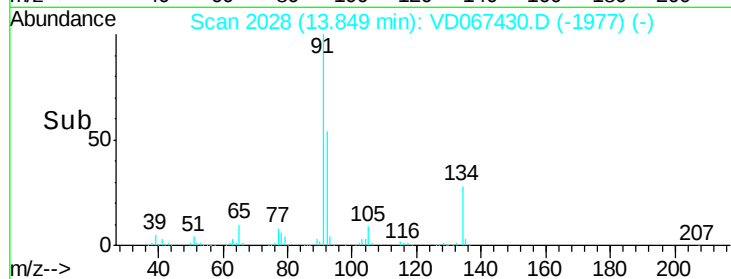
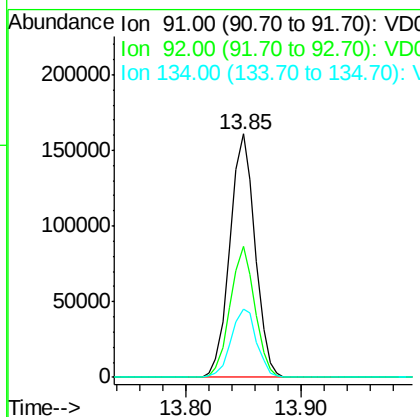
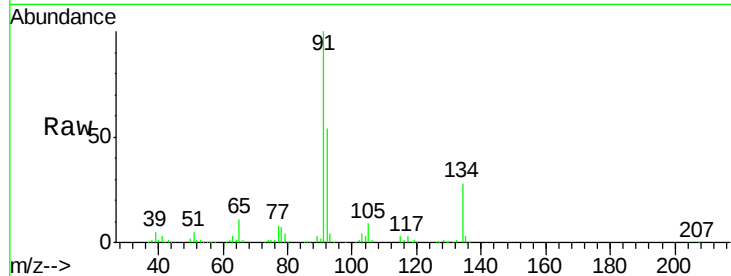
#89
n-Butylbenzene
Concen: 20.788 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.7	80.0
134	28.3	14.2	42.6

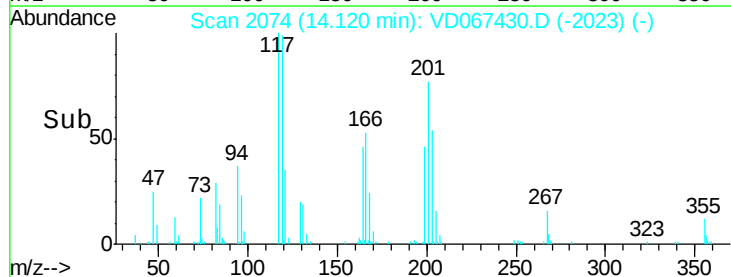
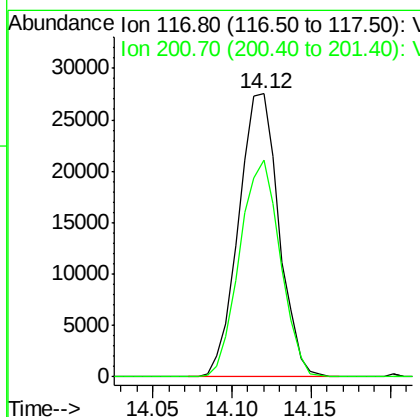
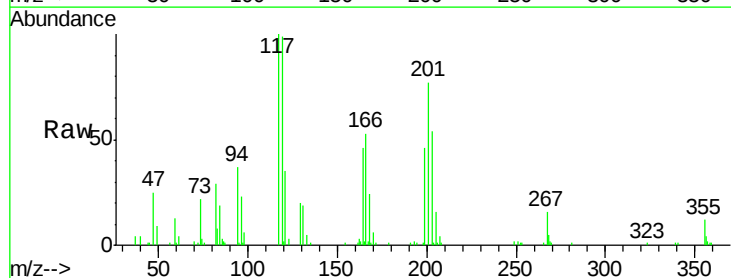
Manual Integrations
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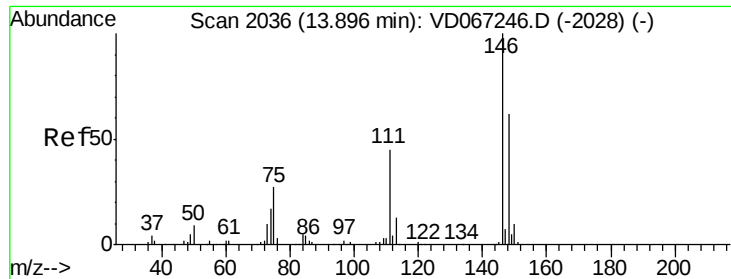
MMDadoda
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#90
Hexachloroethane
Concen: 21.015 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.3	40.8	122.2





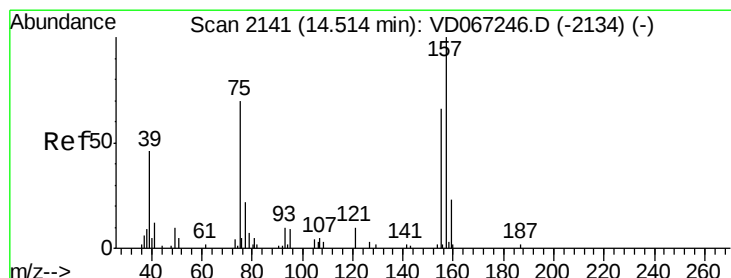
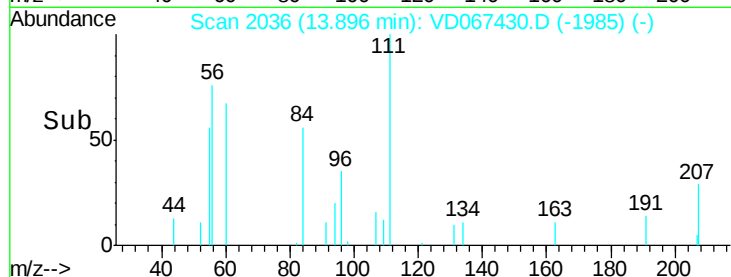
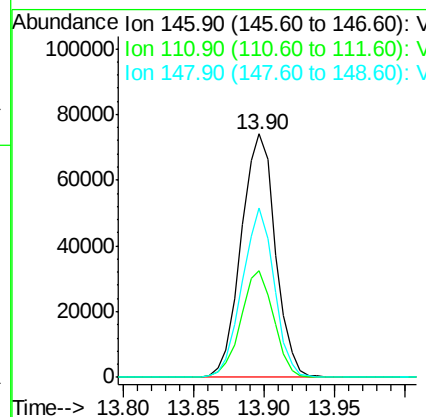
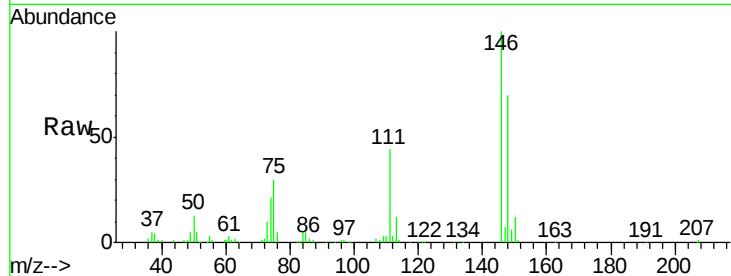
#91
 1,2-Dichlorobenzene
 Concen: 21.465 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067430.D
 Acq: 28 Oct 2020 13:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1028SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	22.0	66.0
148	65.3	32.5	97.5

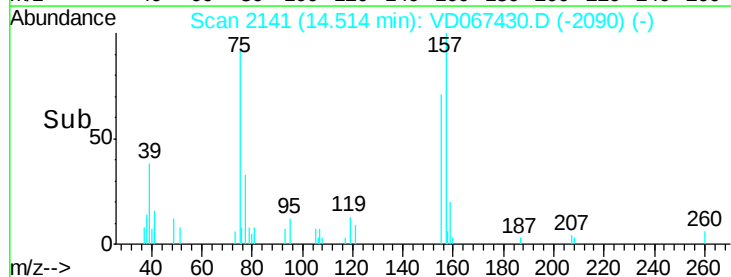
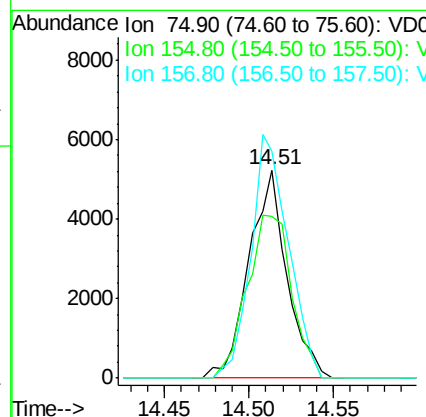
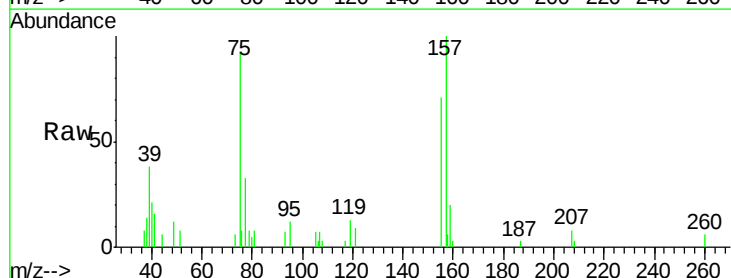
Manual Integrations
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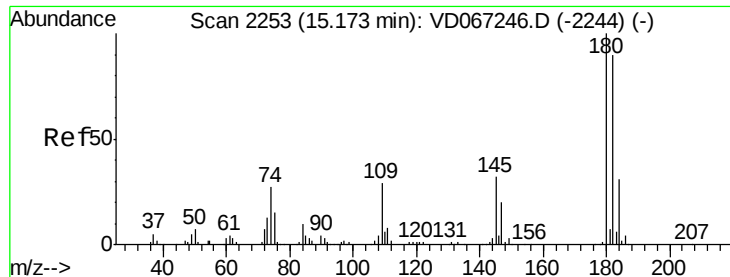
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 10/29/2020 12:00:54 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.120 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067430.D
 Acq: 28 Oct 2020 13:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.0	44.8	134.4
157	115.2	62.5	187.4





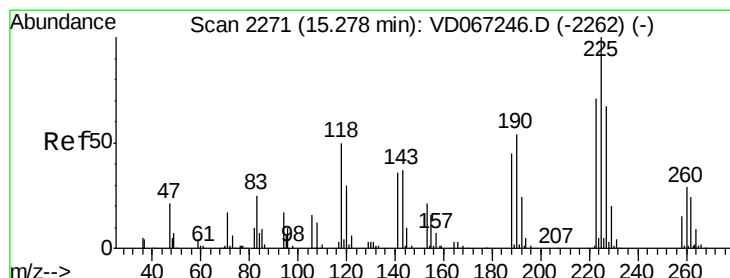
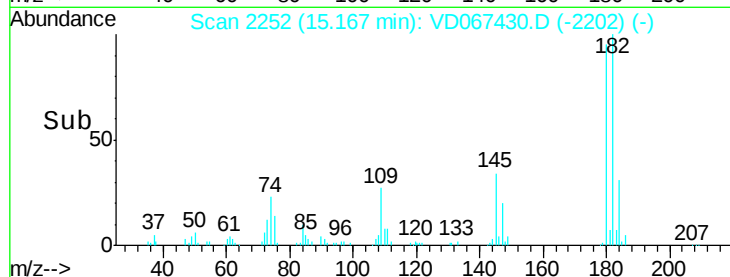
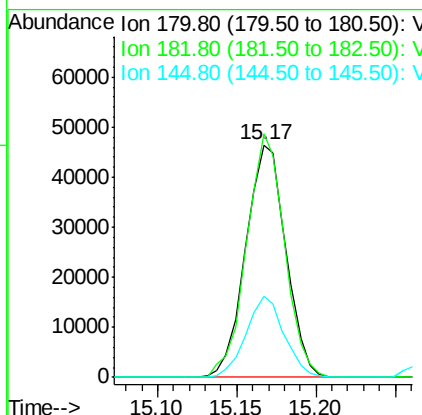
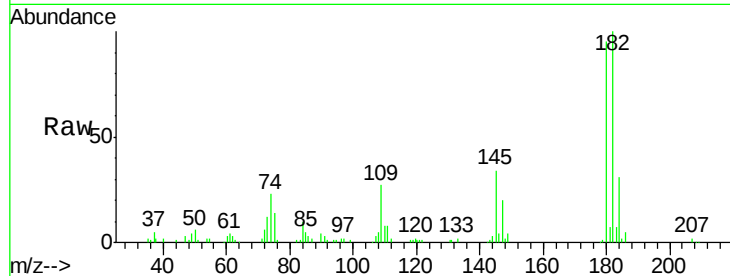
#93
 1,2,4-Trichlorobenzene
 Concen: 20.747 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD067430.D
 Acq: 28 Oct 2020 13:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1028SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.2	48.1	144.4
145	33.0	16.3	48.9

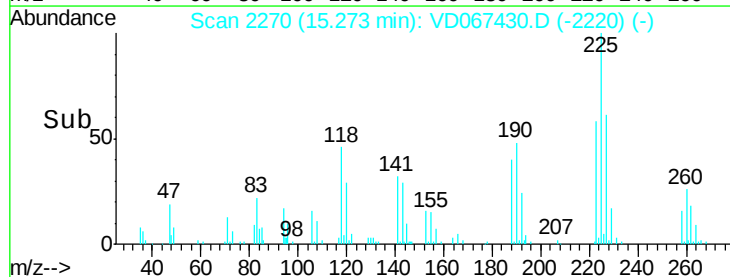
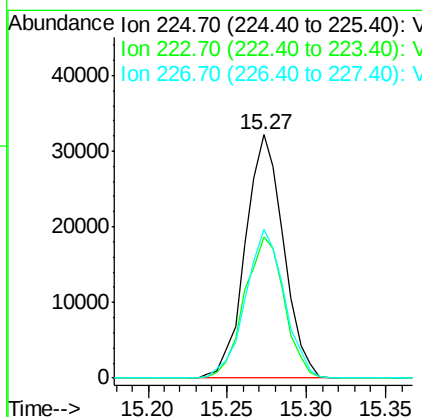
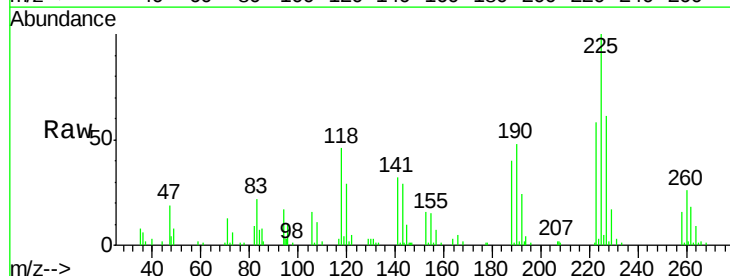
Manual Integrations
 APPROVED

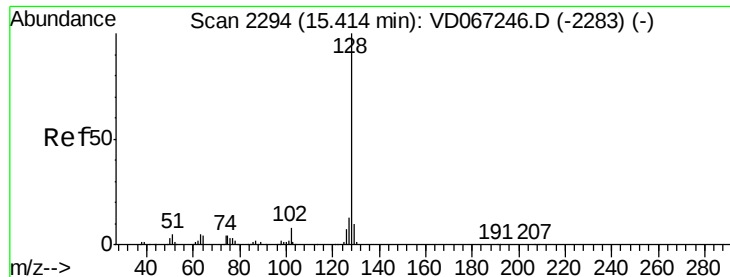
MMDadoda
 10/29/2020 12:00:54 PM



#94
 Hexachlorobutadiene
 Concen: 22.039 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VD067430.D
 Acq: 28 Oct 2020 13:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.1	31.9	95.7
227	62.3	31.2	93.6





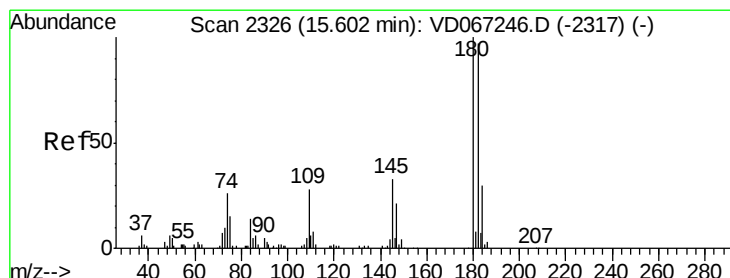
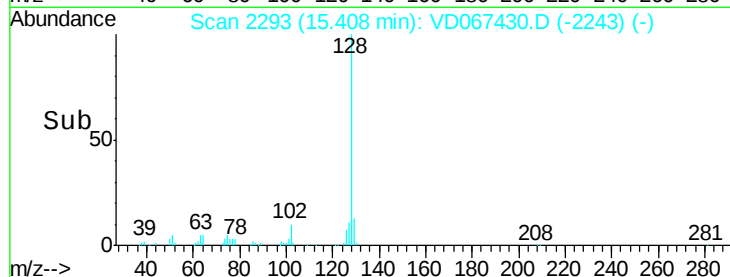
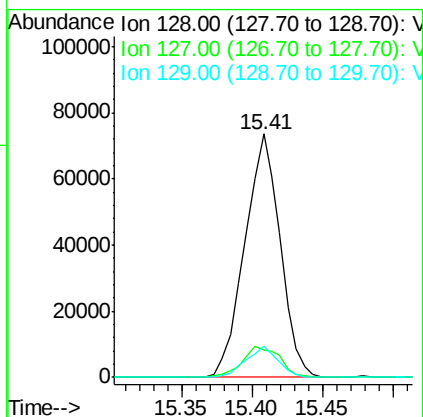
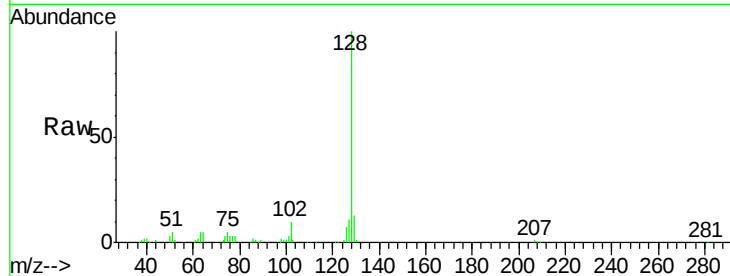
#95
Naphthalene
Concen: 20.000 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.4	15.6
129	11.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/29/2020 12:00:54 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.720 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.3	48.1	144.3
145	35.8	17.3	51.9

