

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101920\
 Data File : VD067305.D
 Acq On : 19 Oct 2020 13:29
 Operator : VA/SY
 Sample : VD1019SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1019SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/20/2020 4:51:01 PM

Quant Time: Oct 20 01:23:04 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	302969	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	462923	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	426105	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	220636	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	161323	53.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.30%	
35) Dibromofluoromethane	7.92	113	159138	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	
50) Toluene-d8	10.34	98	579697	52.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.00%	
62) 4-Bromofluorobenzene	12.64	95	205906	53.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	55985	20.435	ug/l	96
3) Chloromethane	2.21	50	36698	19.247	ug/l	94
4) Vinyl Chloride	2.35	62	41259	19.721	ug/l	99
5) Bromomethane	2.75	94	31352	20.132	ug/l	86
6) Chloroethane	2.91	64	25493	19.566	ug/l	96
7) Trichlorofluoromethane	3.27	101	108824	20.657	ug/l	98
8) Diethyl Ether	3.70	74	23734	19.689	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	56798	20.293	ug/l	99
10) Methyl Iodide	4.30	142	48401	18.746	ug/l	98
11) Tert butyl alcohol	5.21	59	22259	116.748	ug/l #	92
12) 1,1-Dichloroethene	4.06	96	51696	20.675	ug/l	84
13) Acrolein	3.92	56	10714	75.607	ug/l	90
14) Allyl chloride	4.70	41	54943	19.187	ug/l	99
15) Acrylonitrile	5.42	53	40328	100.260	ug/l	98
16) Acetone	4.16	43	43222	101.676	ug/l	90
17) Carbon Disulfide	4.40	76	140537	19.715	ug/l	100
18) Methyl Acetate	4.71	43	19115	19.715	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	98937	19.899	ug/l	97
20) Methylene Chloride	4.96	84	61304	19.803	ug/l	98
21) trans-1,2-Dichloroethene	5.48	96	59878	20.809	ug/l	89
22) Diisopropyl ether	6.36	45	108671	20.775	ug/l	93
23) Vinyl Acetate	6.30	43	300580	101.002	ug/l	99
24) 1,1-Dichloroethane	6.26	63	94019	20.997	ug/l	98
25) 2-Butanone	7.21	43	49562	102.282	ug/l	100
26) 2,2-Dichloropropane	7.20	77	97548	21.136	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	64312	20.393	ug/l	98
28) Bromochloromethane	7.54	49	30362	19.880	ug/l #	100
29) Tetrahydrofuran	7.56	42	26088	96.852	ug/l	90
30) Chloroform	7.71	83	111118	20.773	ug/l	91
31) Cyclohexane	7.99	56	70762	20.241	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	107479	20.479	ug/l	98
36) 1,1-Dichloropropene	8.11	75	78466	19.999	ug/l	98
37) Ethyl Acetate	7.29	43	23097	20.008	ug/l #	93
38) Carbon Tetrachloride	8.10	117	102017	20.344	ug/l	96

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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	76572	18.668	ug/l	98
40) Benzene	8.36	78	214891	19.964	ug/l	99
41) Methacrylonitrile	7.52	41	10517	16.859	ug/l	94
42) 1,2-Dichloroethane	8.43	62	68416	20.310	ug/l	99
43) Isopropyl Acetate	8.45	43	46487	20.295	ug/l	99
44) Trichloroethene	9.11	130	71049	20.616	ug/l	88
45) 1,2-Dichloropropane	9.39	63	49657	19.906	ug/l	93
46) Dibromomethane	9.48	93	31522	20.281	ug/l	94
47) Bromodichloromethane	9.67	83	83422	20.033	ug/l	93
48) Methyl methacrylate	9.46	41	20637	18.539	ug/l	93
49) 1,4-Dioxane	9.47	88	6247	397.013	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	113720	99.538	ug/l	99
52) Toluene	10.41	92	152751	20.835	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	74969	20.494	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	85242	19.911	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	43857	20.692	ug/l	93
56) Ethyl methacrylate	10.66	69	44537	20.261	ug/l	97
57) 1,3-Dichloropropane	10.95	76	68842	20.410	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	115193	102.155	ug/l	97
59) 2-Hexanone	10.99	43	78733	100.850	ug/l	99
60) Dibromochloromethane	11.14	129	63783	20.635	ug/l	96
61) 1,2-Dibromoethane	11.25	107	43662	20.896	ug/l	96
64) Tetrachloroethene	10.88	164	62751	20.326	ug/l	95
65) Chlorobenzene	11.67	112	170108	20.818	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.75	131	67034	20.642	ug/l	99
67) Ethyl Benzene	11.75	91	284053	20.280	ug/l	96
68) m/p-Xylenes	11.86	106	224792	41.676	ug/l	100
69) o-Xylene	12.18	106	101168	20.255	ug/l	99
70) Styrene	12.20	104	182826	21.264	ug/l	100
71) Bromoform	12.37	173	34751	19.919	ug/l #	94
73) Isopropylbenzene	12.48	105	286520	20.461	ug/l	99
74) N-amyl acetate	12.29	43	42199	19.953	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	42570	19.841	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	32515m	21.263	ug/l	
77) Bromobenzene	12.77	156	70943	20.321	ug/l	99
78) n-propylbenzene	12.83	91	332539	20.496	ug/l	100
79) 2-Chlorotoluene	12.91	91	191284	20.330	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	251302	20.652	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	13387	19.852	ug/l	92
82) 4-Chlorotoluene	13.01	91	206800	20.709	ug/l	99
83) tert-Butylbenzene	13.23	119	211478	20.574	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	248344	20.649	ug/l	99
85) sec-Butylbenzene	13.41	105	284194	20.150	ug/l	100
86) p-Isopropyltoluene	13.52	119	279803	21.018	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	139099	20.701	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	139462	20.948	ug/l	99
89) n-Butylbenzene	13.85	91	236741	20.214	ug/l	98
90) Hexachloroethane	14.12	117	48218	20.756	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	123596	21.055	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7440	19.087	ug/l	90

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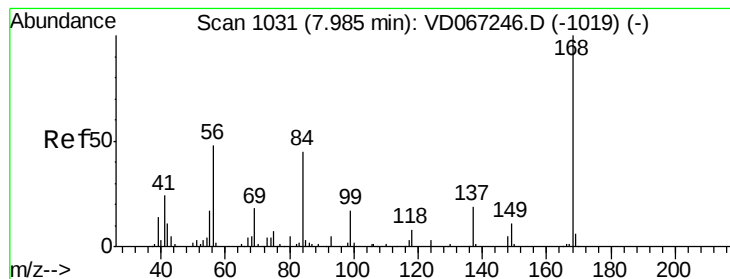
Manual Integrations
APPROVED

MMDadoda
10/20/2020 4:51:01 PM

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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	80922	20.446	ug/l	97
94) Hexachlorobutadiene	15.28	225	51398	20.913	ug/l	99
95) Naphthalene	15.41	128	127151	19.568	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	68066	19.907	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067305.D

Acq: 19 Oct 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD1019SBS01

Tot Ion:168 Resp: 302969

Ion Ratio Lower Upper

168 100

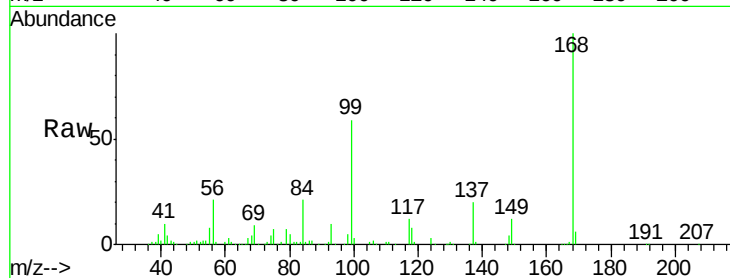
99 58.6 45.9 68.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

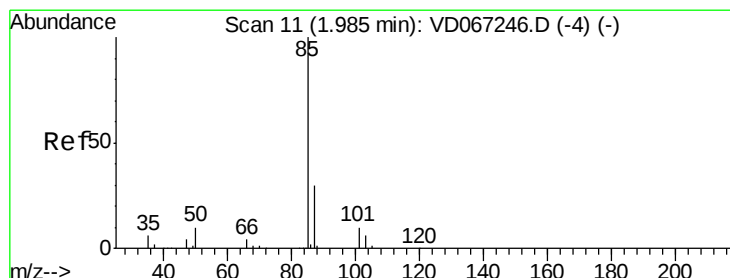
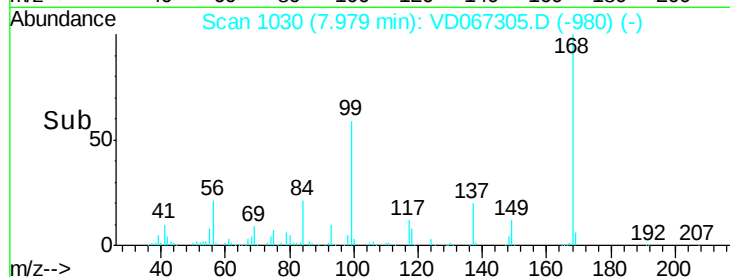
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.435 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067305.D

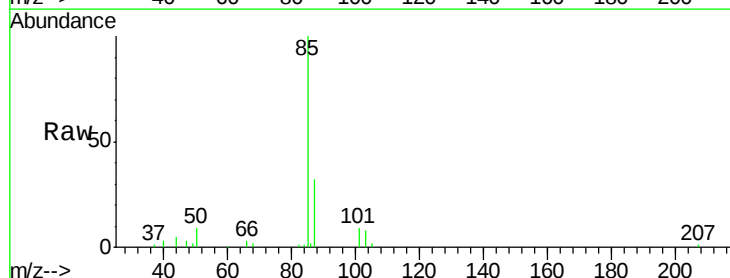
Acq: 19 Oct 2020 13:29

Tgt Ion: 85 Resp: 55985

Ion Ratio Lower Upper

85 100

87 32.4 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

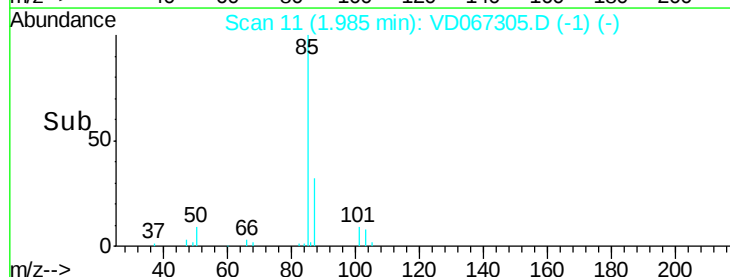
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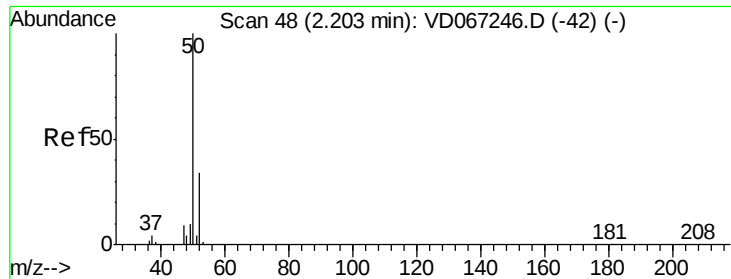
10000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 19.247 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067305.D

Acq: 19 Oct 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD1019SBS01

Tot Ion: 50 Resp: 36698

Ion Ratio Lower Upper

50 100

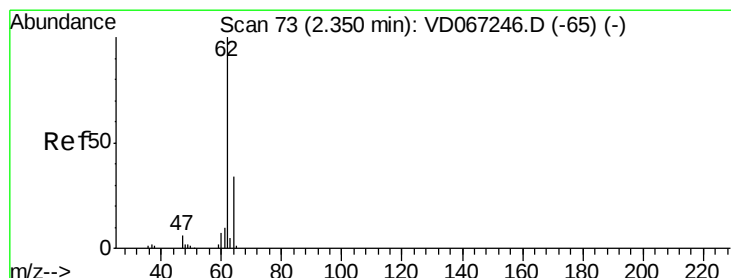
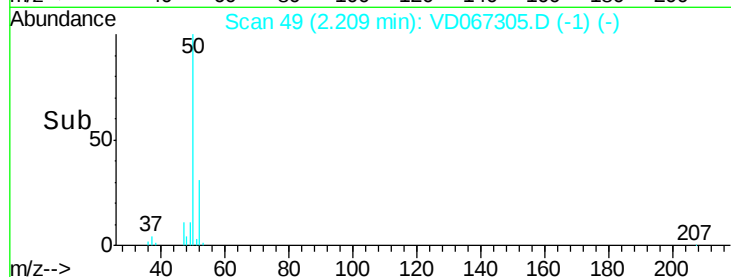
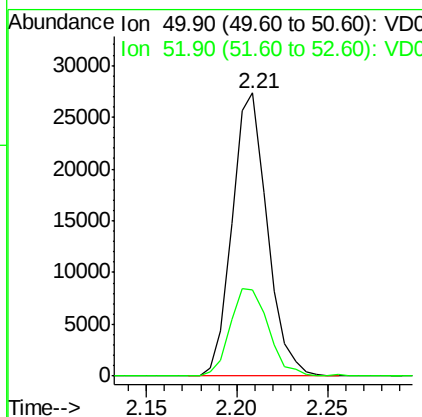
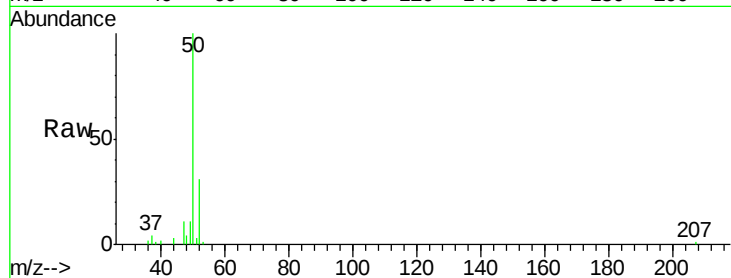
52 30.6 27.1 40.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.721 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067305.D

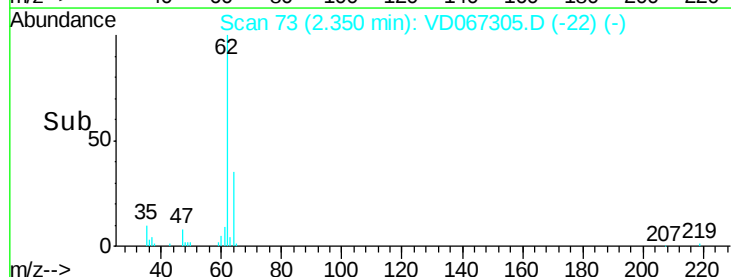
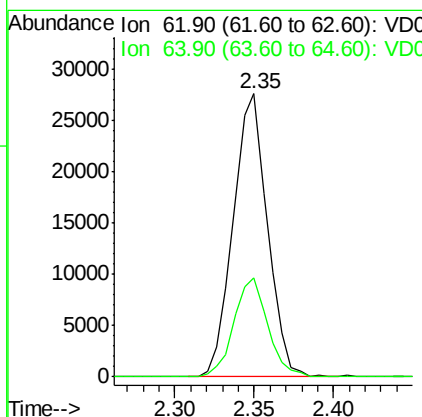
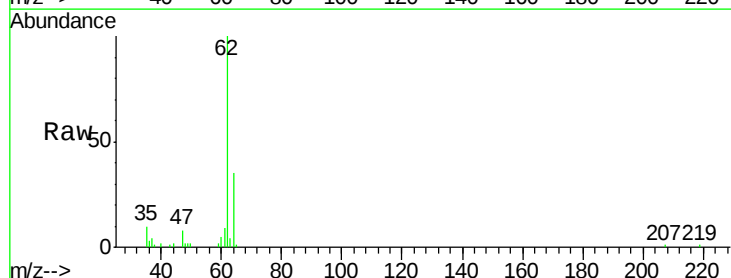
Acq: 19 Oct 2020 13:29

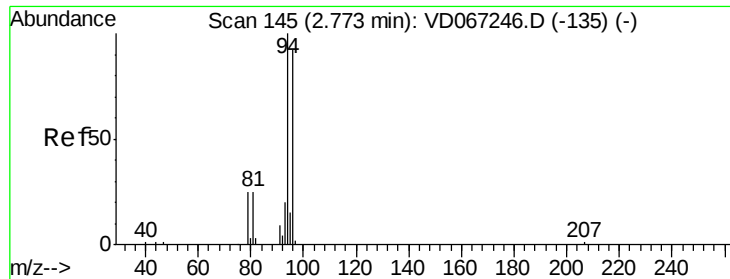
Tgt Ion: 62 Resp: 41259

Ion Ratio Lower Upper

62 100

64 34.9 27.4 41.0





#5

Bromomethane

Concen: 20.132 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

Lab File: VD067305.D

Acq: 19 Oct 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD1019SBS01

Tot Ion: 94 Resp: 31352

Ion Ratio Lower Upper

94 100

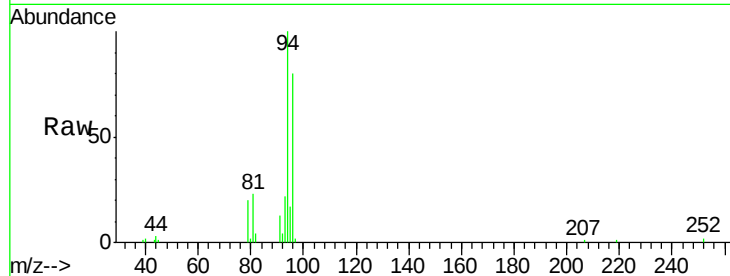
96 78.9 73.8 110.6

Manual Integrations

APPROVED

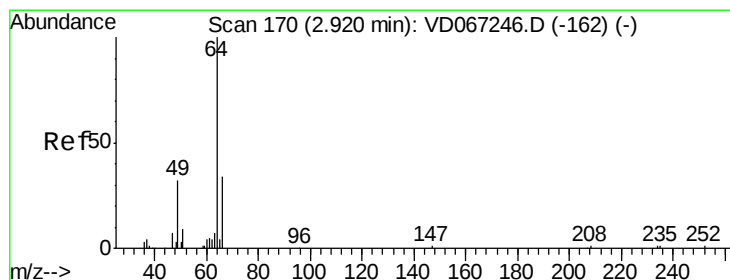
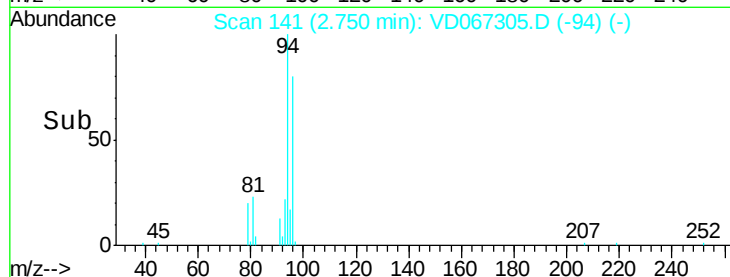
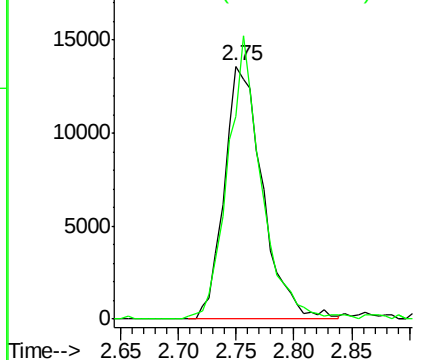
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.566 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD067305.D

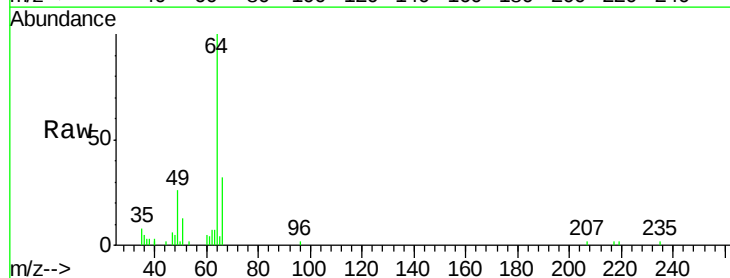
Acq: 19 Oct 2020 13:29

Tgt Ion: 64 Resp: 25493

Ion Ratio Lower Upper

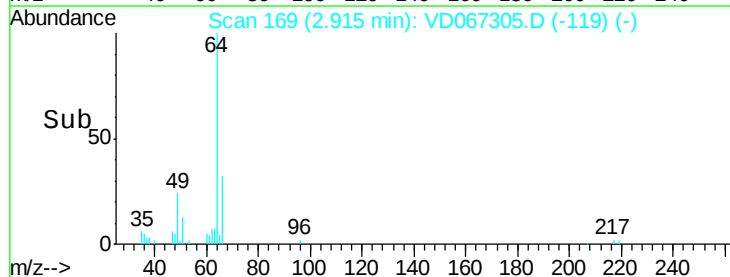
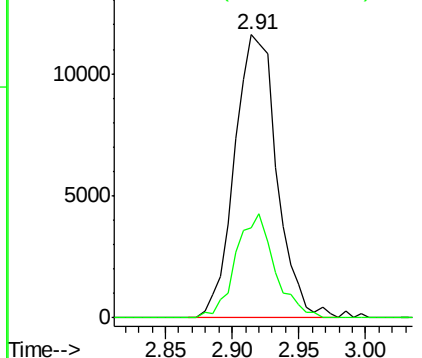
64 100

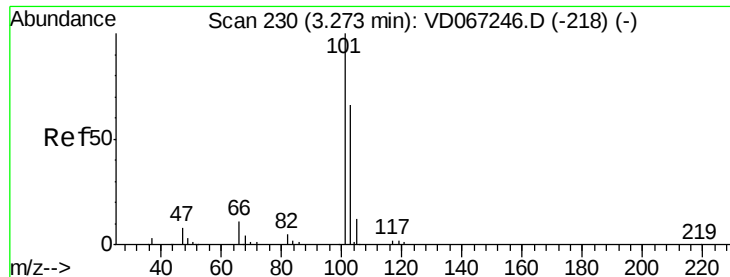
66 31.8 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

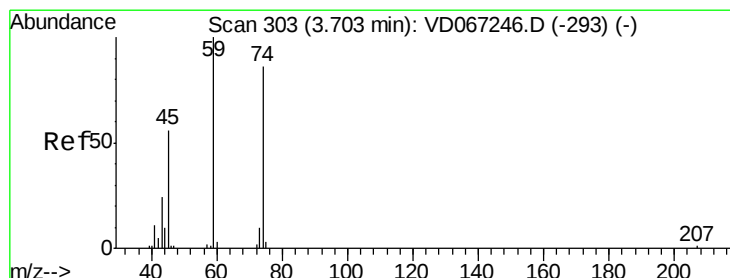
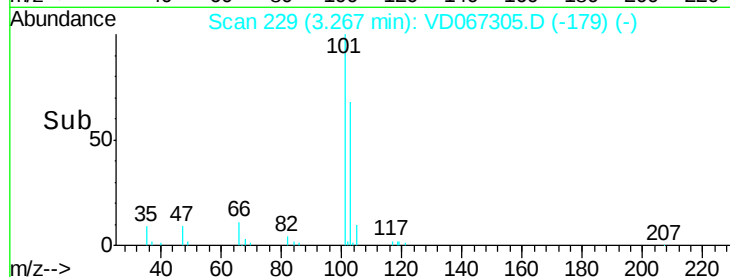
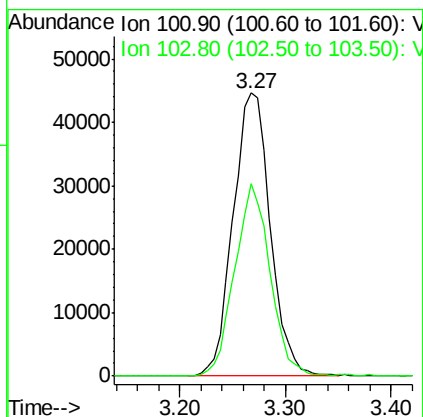
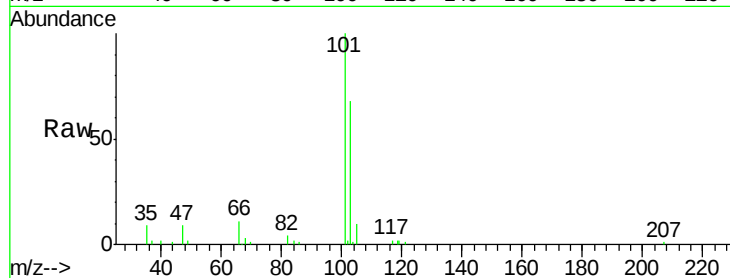
Trichlorofluoromethane
Concen: 20.657 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD067305.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		108824		
103	67.9	53.1	79.7		

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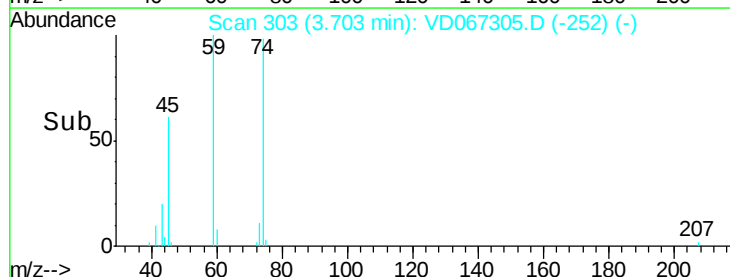
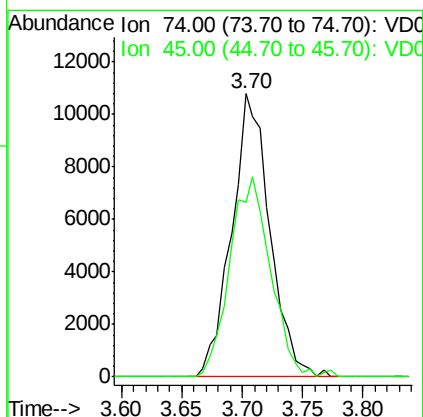
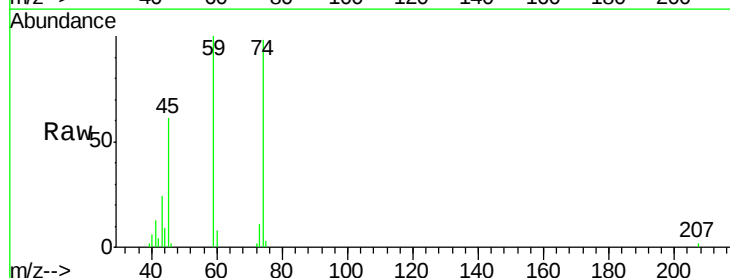
MMDadoda
10/20/2020 4:51:01 PM

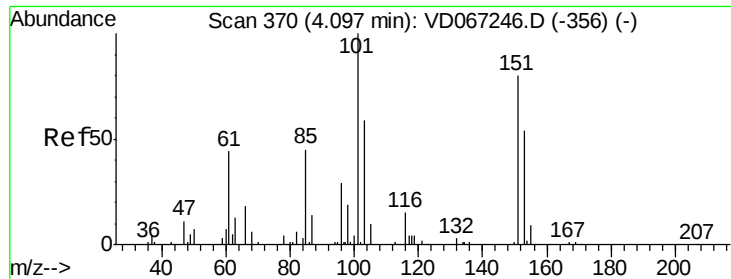


#8

Diethyl Ether
Concen: 19.689 ug/l
RT: 3.70 min Scan# 303
Delta R.T. 0.00 min
Lab File: VD067305.D
Acq: 19 Oct 2020 13:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		23734		
45	75.1	37.0	111.1		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.293 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067305.D

Acq: 19 Oct 2020 13:29

Instrument :

MSVOA_D

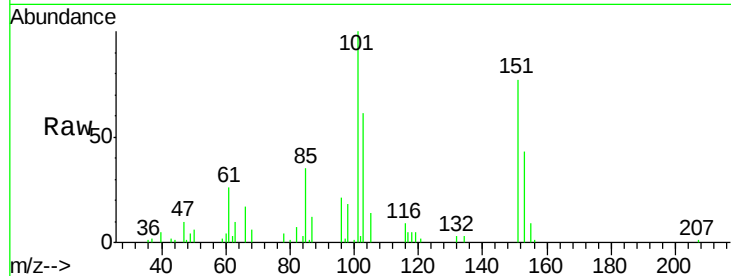
ClientSampleId :

VD1019SBS01

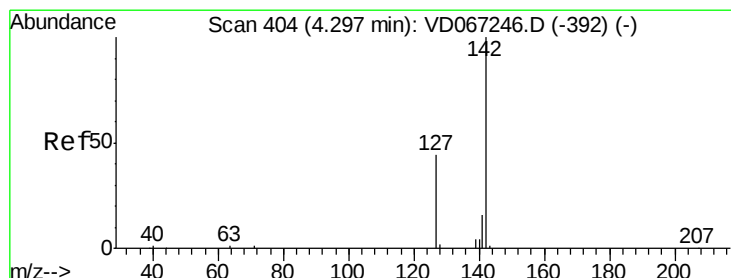
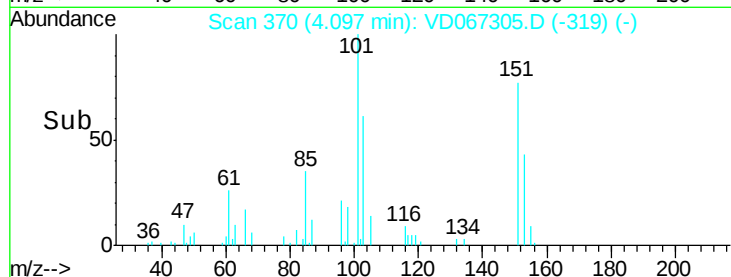
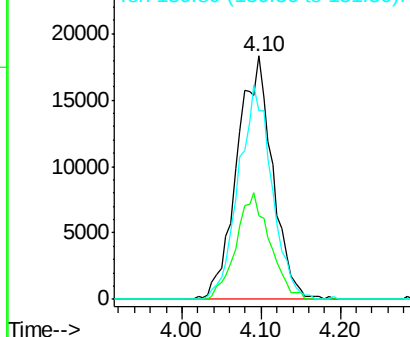
Tot Ion:	101	Resp:	56798
Ion Ratio	Lower	Upper	
101	100		
85	41.5	34.2	51.4
151	83.1	66.3	99.5

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



#10

Methyl Iodide

Concen: 18.746 ug/l

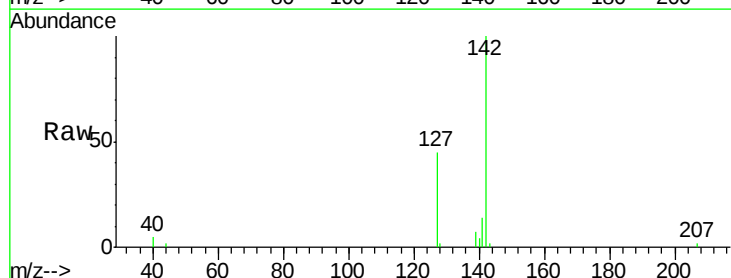
RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

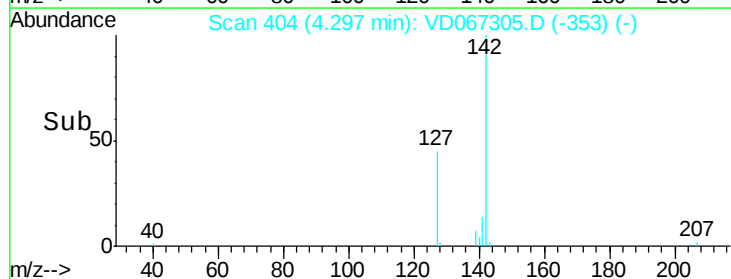
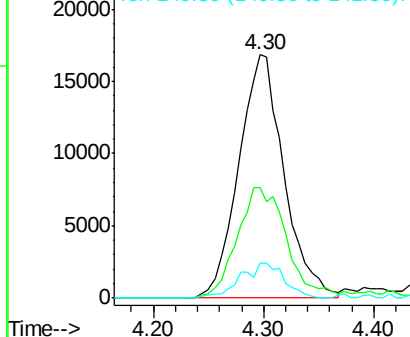
Lab File: VD067305.D

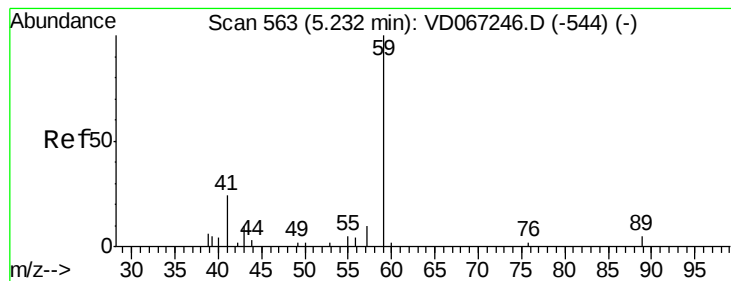
Acq: 19 Oct 2020 13:29

Tgt Ion:	142	Resp:	48401
Ion Ratio	Lower	Upper	
142	100		
127	49.4	38.4	57.6
141	14.1	11.6	17.4



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





#11

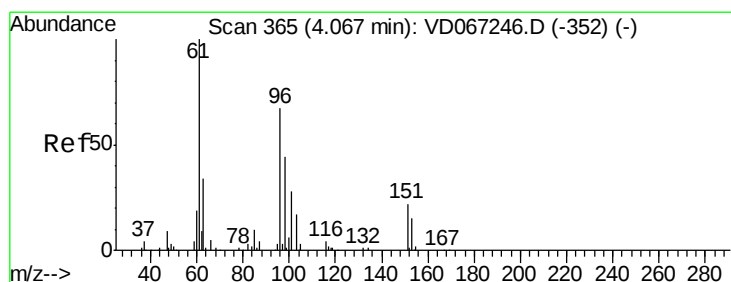
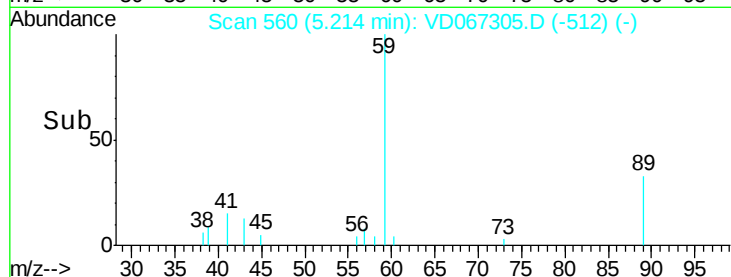
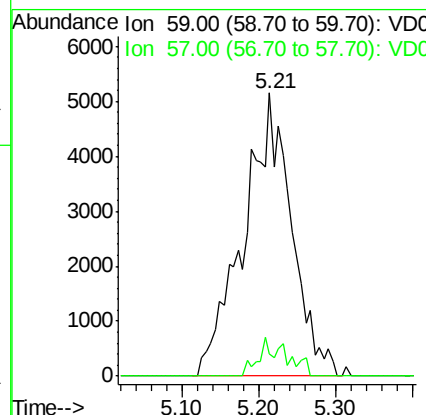
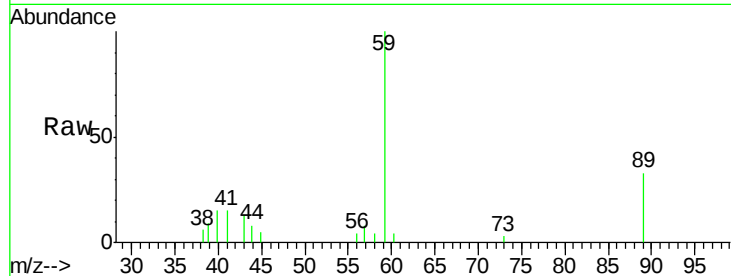
Tert butyl alcohol
Concen: 116.748 ug/l
RT: 5.21 min Scan# 560
Delta R.T. -0.02 min
Lab File: VD067305.D
Acq: 19 Oct 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD1019SBS01

Tot Ion	59	57	Ratio	100	3.8	Resp:	22259	Lower	Upper

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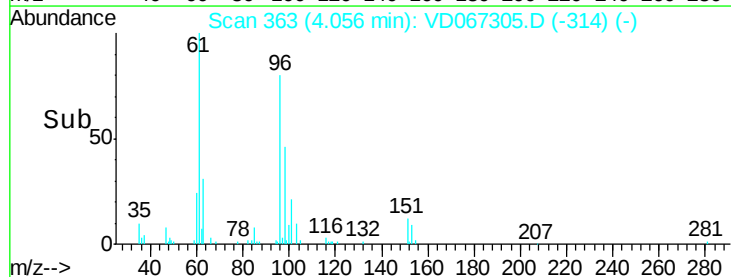
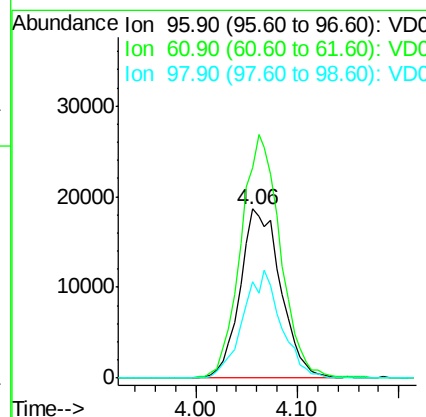
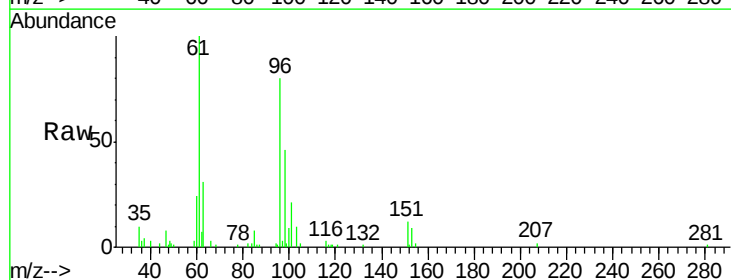
MMDadoda
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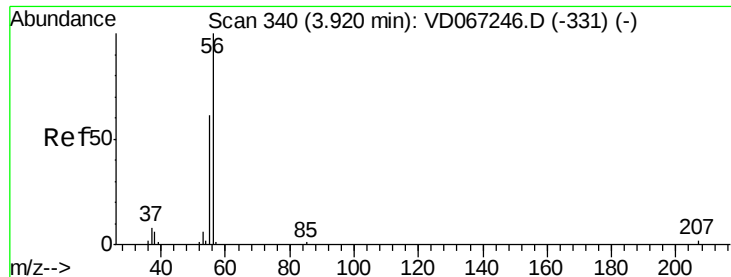


#12

1,1-Dichloroethene
Concen: 20.675 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD067305.D
Acq: 19 Oct 2020 13:29

Tgt Ion	96	61	98	Ratio	100	124.2	56.8	Resp:	51696	Lower	Upper





#13

Acrolein

Concen: 75.607 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067305.D

Acq: 19 Oct 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD1019SBS01

Tot Ion: 56 Resp: 10714

Ion Ratio Lower Upper

56 100

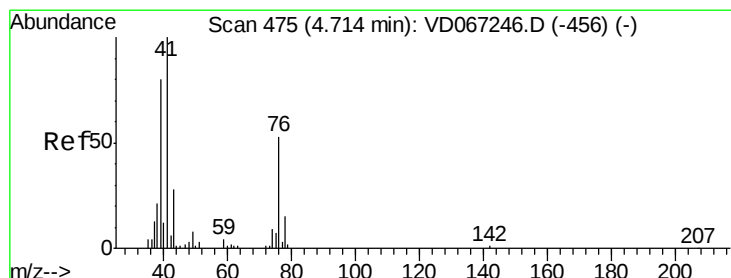
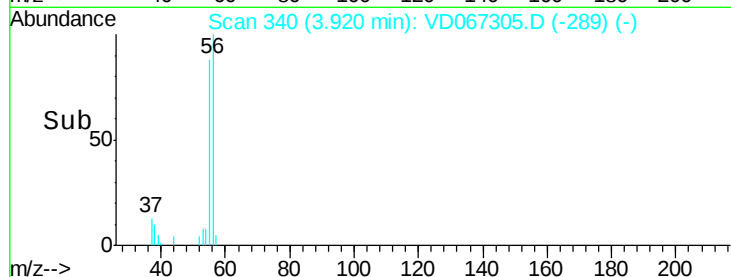
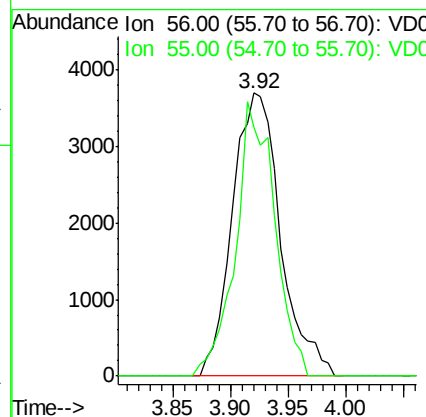
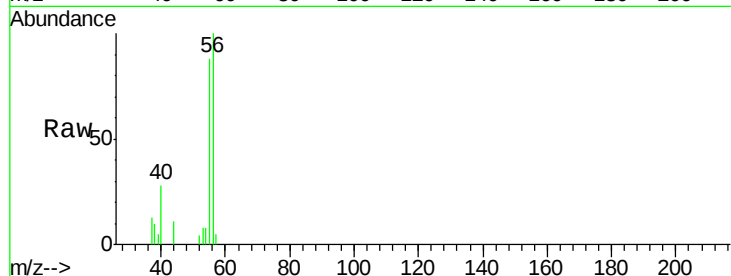
55 78.5 56.0 84.0

Manual Integrations

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#14

Allyl chloride

Concen: 19.187 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD067305.D

Acq: 19 Oct 2020 13:29

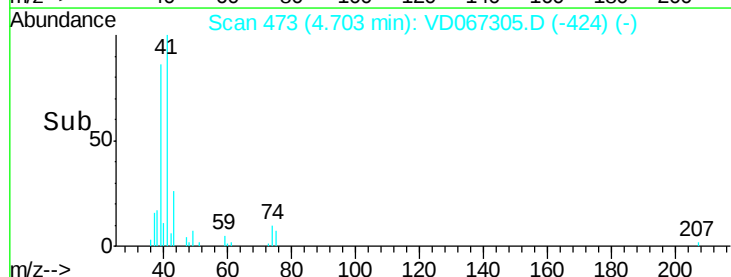
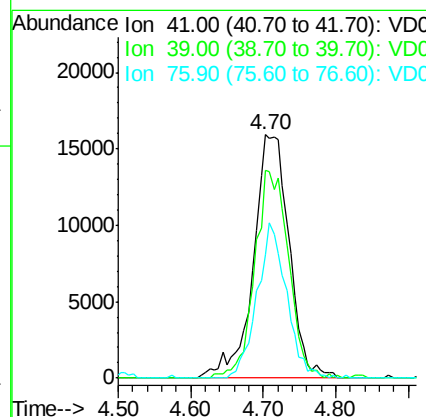
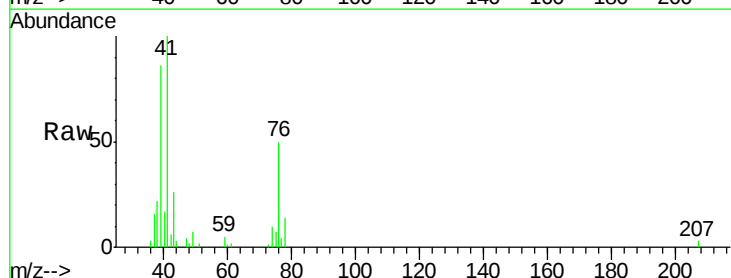
Tgt Ion: 41 Resp: 54943

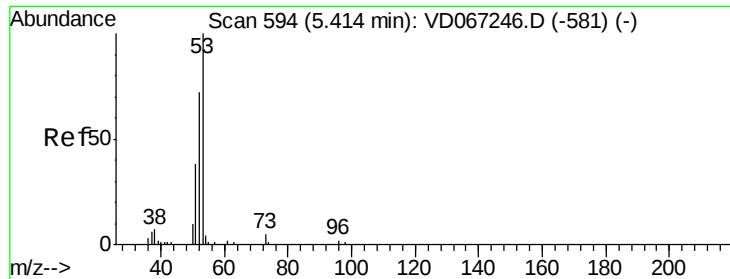
Ion Ratio Lower Upper

41 100

39 80.4 63.8 95.6

76 52.2 40.4 60.6





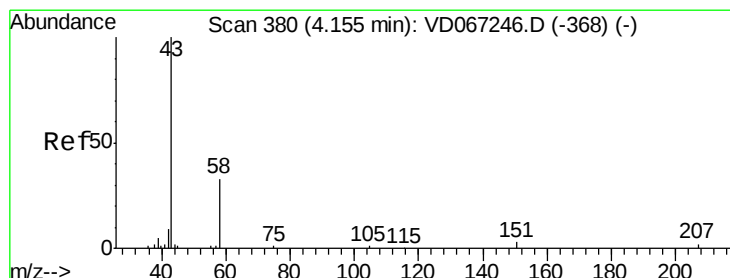
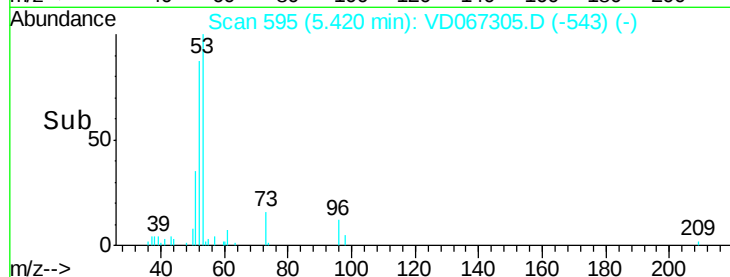
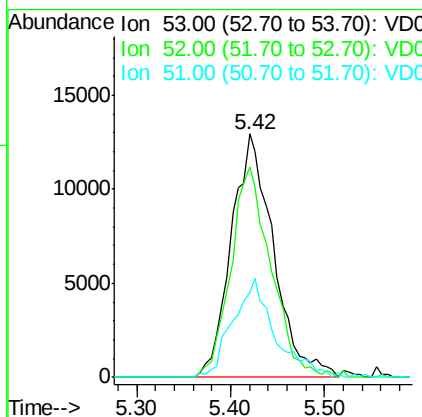
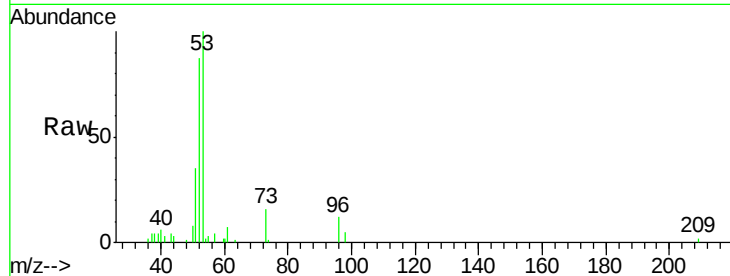
#15
Acrylonitrile
Concen: 100.260 ug/l
RT: 5.42 min Scan# 595
Delta R.T. 0.01 min
Lab File: VD067305.D
Acq: 19 Oct 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD1019SBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.6	98.4
51	40.7	30.8	46.2

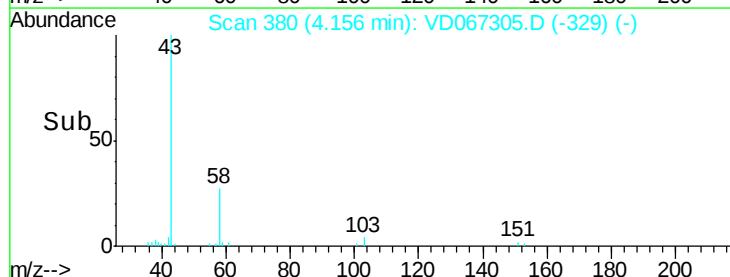
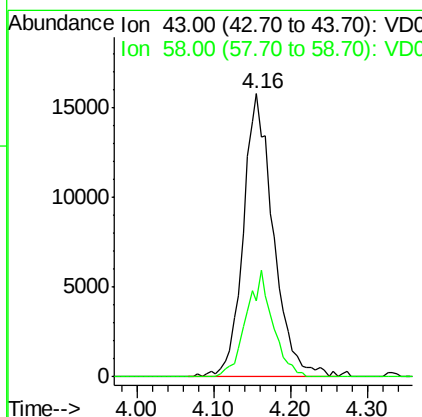
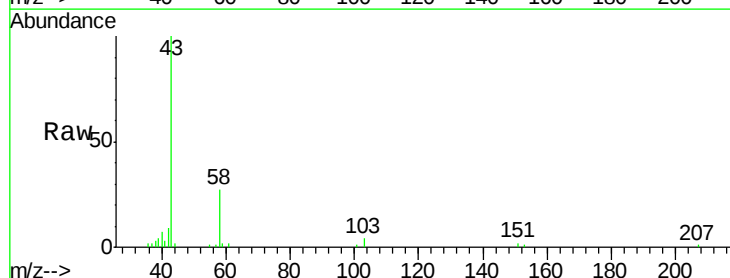
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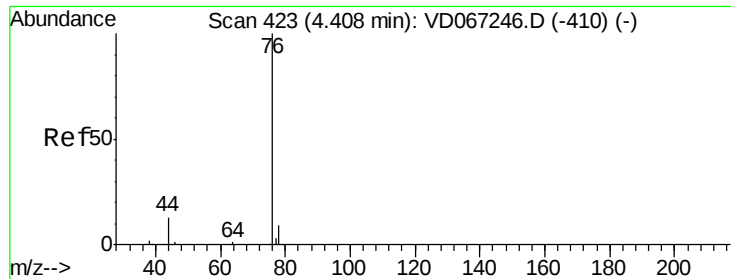
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#16
Acetone
Concen: 101.676 ug/l
RT: 4.16 min Scan# 380
Delta R.T. 0.00 min
Lab File: VD067305.D
Acq: 19 Oct 2020 13:29

Tgt Ion	Ratio	Lower	Upper
43	100		
58	27.0	26.1	39.1





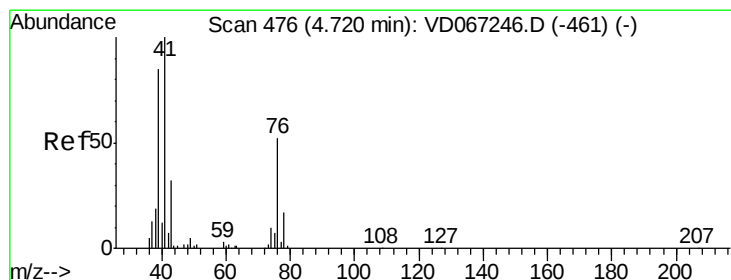
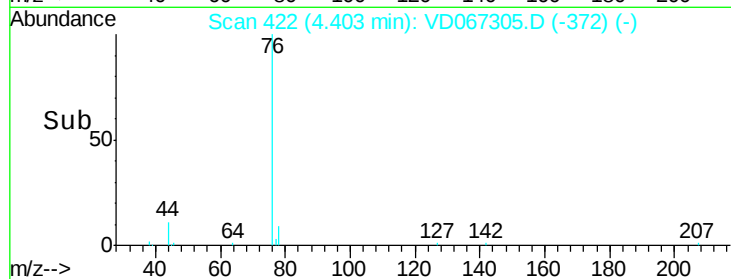
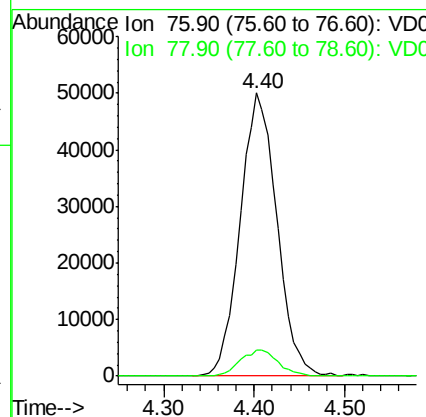
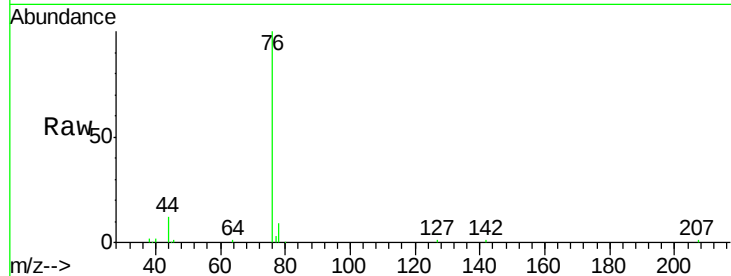
#17
Carbon Disulfide
Concen: 19.715 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD067305.D
Acq: 19 Oct 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD1019SBS01

Tot Ion	Ion	Ratio	Lower	Upper
76	100			
78	9.3	7.4	11.0	

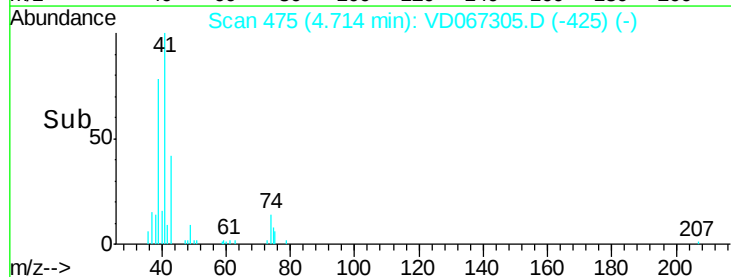
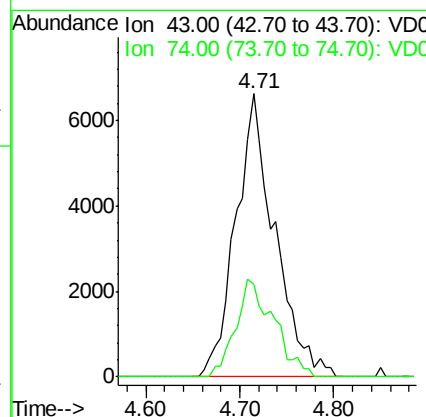
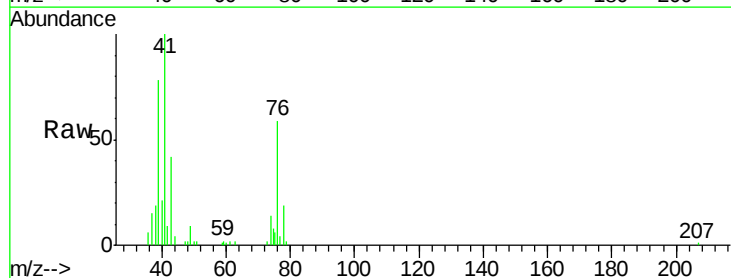
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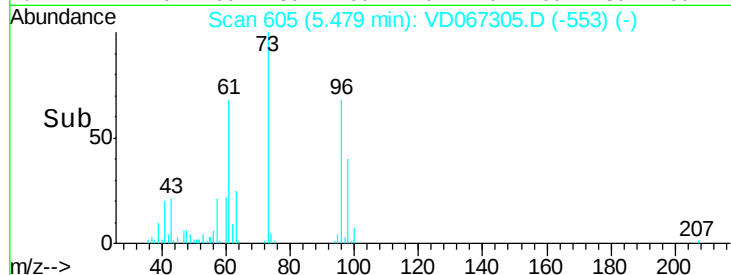
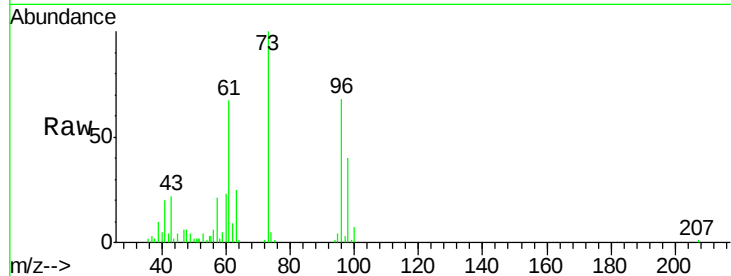
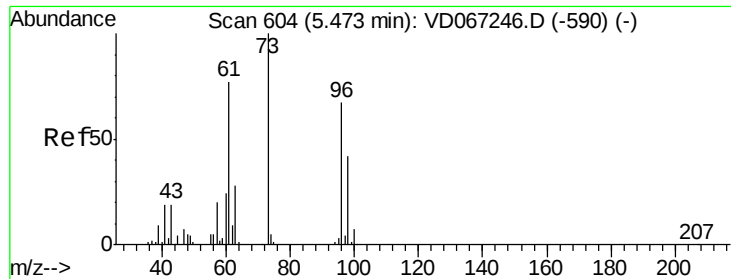
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#18
Methyl Acetate
Concen: 19.715 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD067305.D
Acq: 19 Oct 2020 13:29

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
74	33.6	26.6	39.8	





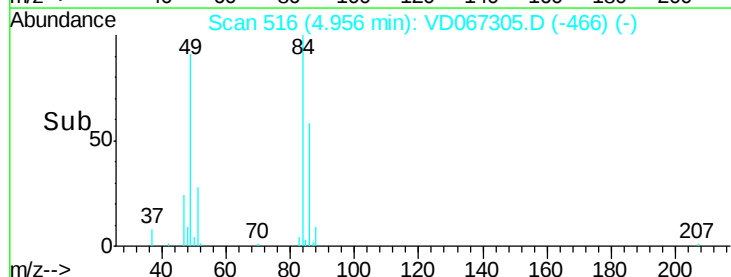
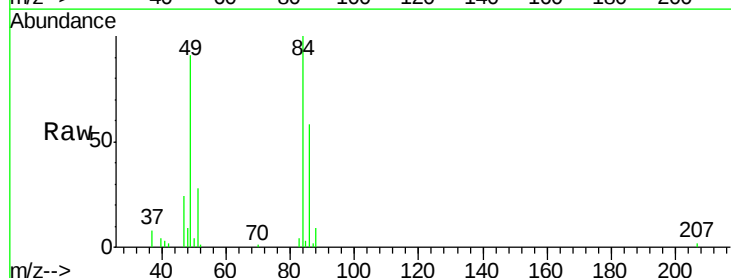
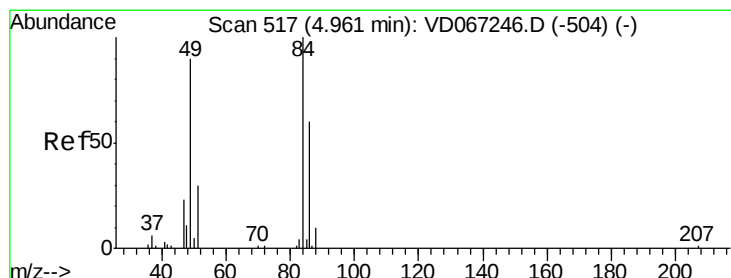
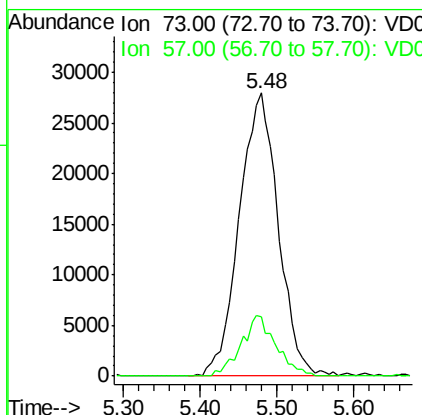
#19
Methyl tert-butyl Ether
Concen: 19.899 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067305.D
Acq: 19 Oct 2020 13:29

Tot Ion: 73 Resp: 98937
Ion Ratio Lower Upper
73 100
57 20.9 15.7 23.5

Instrument :
MSVOA_D
ClientSampleId :
VD1019SBS01

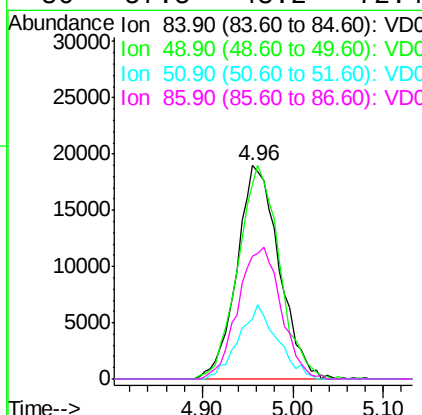
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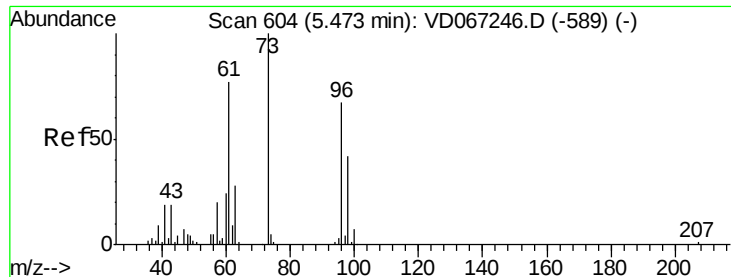
MMDadoda
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#20
Methylene Chloride
Concen: 19.803 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD067305.D
Acq: 19 Oct 2020 13:29

Tgt Ion: 84 Resp: 61304
Ion Ratio Lower Upper
84 100
49 91.1 72.2 108.2
51 28.0 23.8 35.8
86 57.5 48.2 72.4





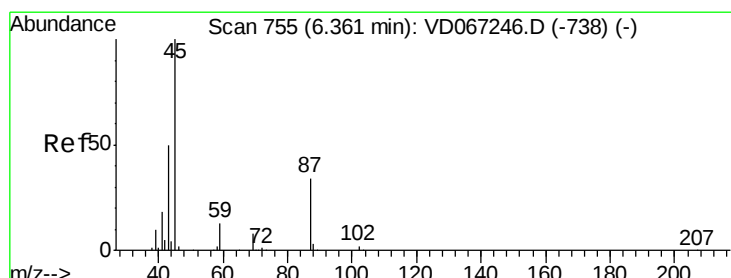
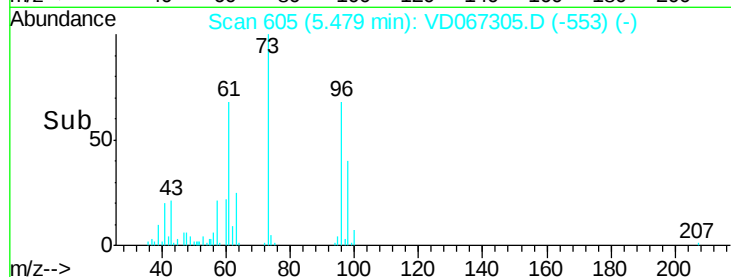
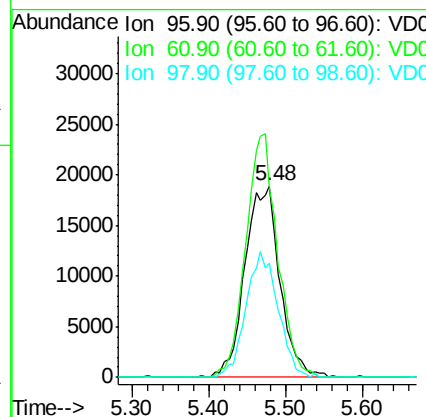
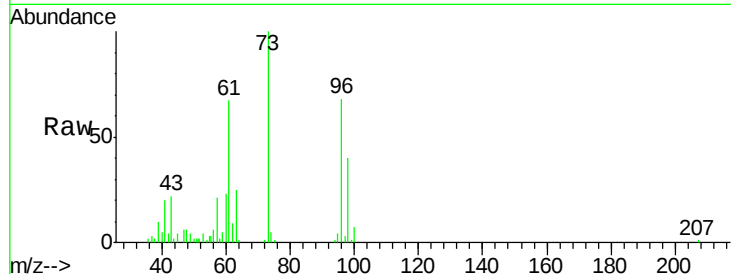
#21
trans-1,2-Dichloroethene
Concen: 20.809 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067305.D
Acq: 19 Oct 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD1019SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	99.3	92.0	138.0
98	59.4	49.8	74.8

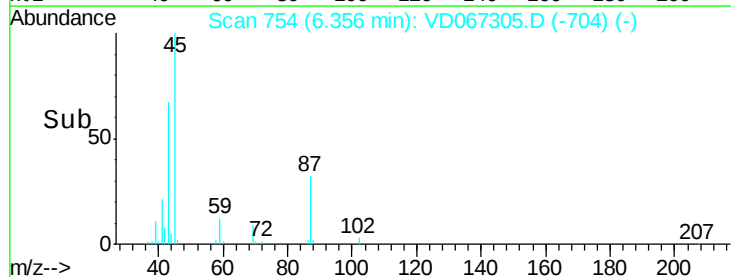
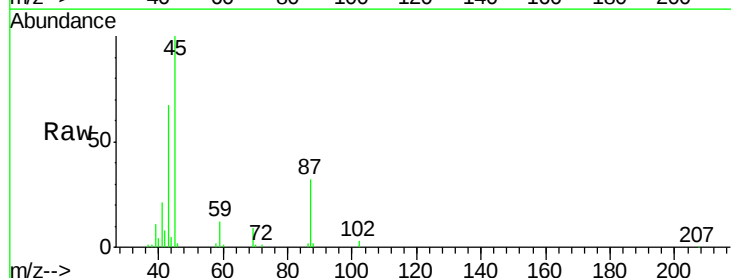
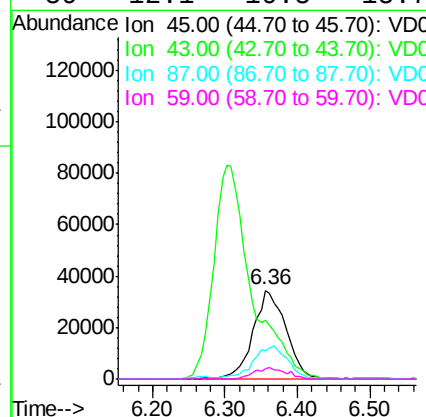
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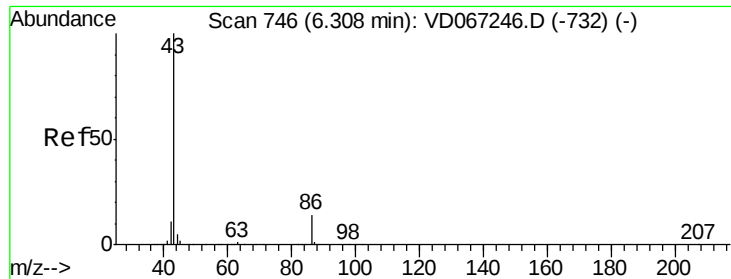
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#22
Diisopropyl ether
Concen: 20.775 ug/l
RT: 6.36 min Scan# 754
Delta R.T. -0.01 min
Lab File: VD067305.D
Acq: 19 Oct 2020 13:29

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.1	48.0	72.0
87	31.8	28.5	42.7
59	12.1	10.5	15.7





#23

Vinyl Acetate

Concen: 101.002 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067305.D

Acq: 19 Oct 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD1019SBS01

Tot Ion: 43 Resp: 300580

Ion Ratio Lower Upper

43 100

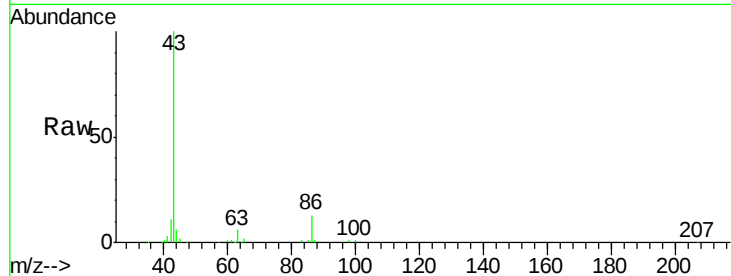
86 13.3 11.0 16.6

Manual Integrations

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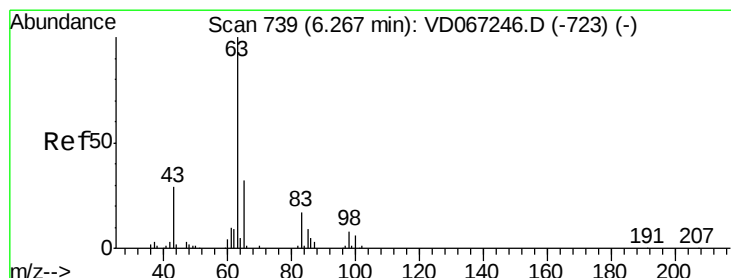
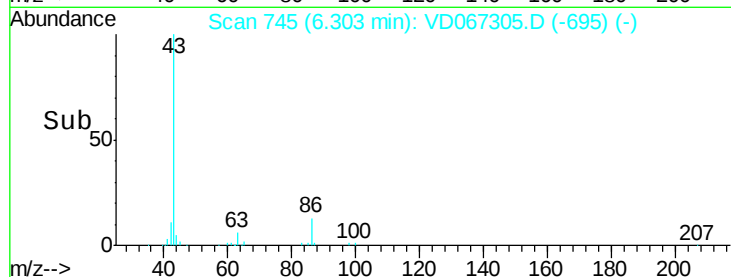
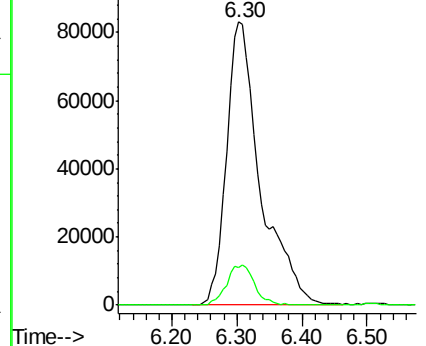
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.997 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD067305.D

Acq: 19 Oct 2020 13:29

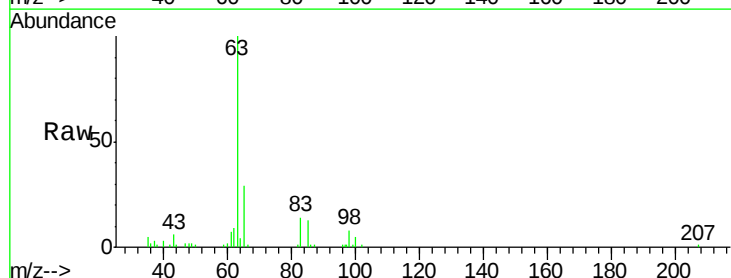
Tgt Ion: 63 Resp: 94019

Ion Ratio Lower Upper

63 100

98 8.4 4.0 12.2

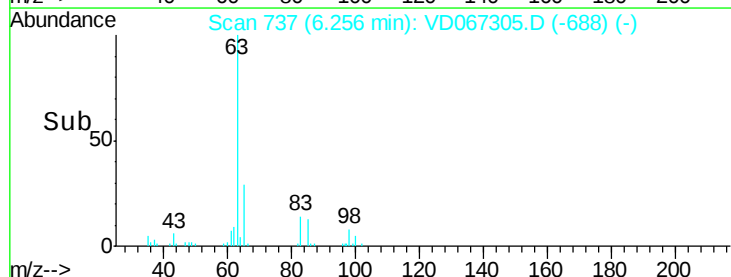
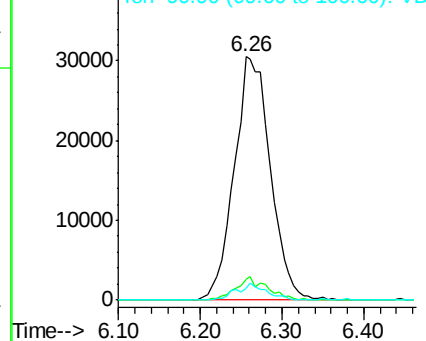
100 4.7 2.8 8.4

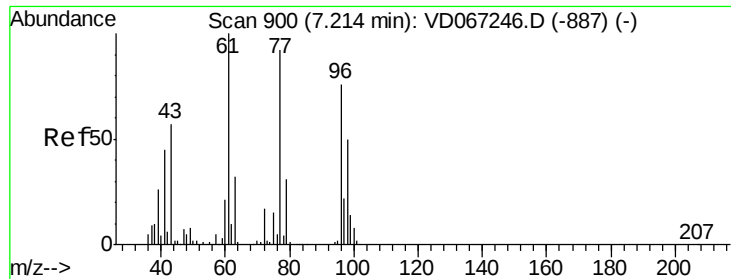


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





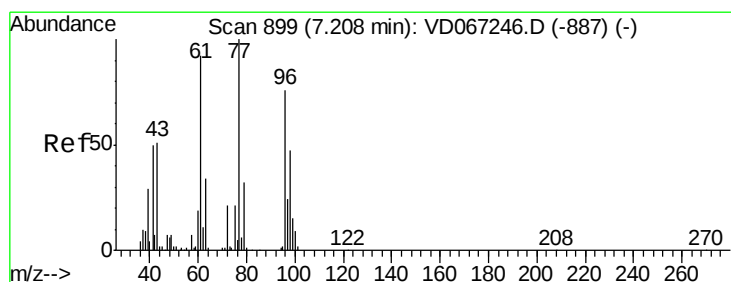
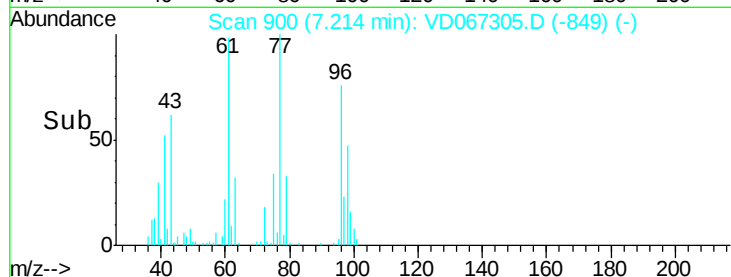
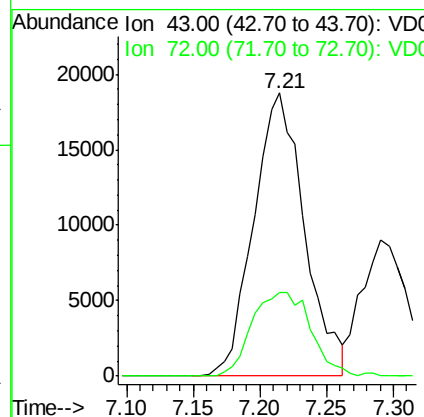
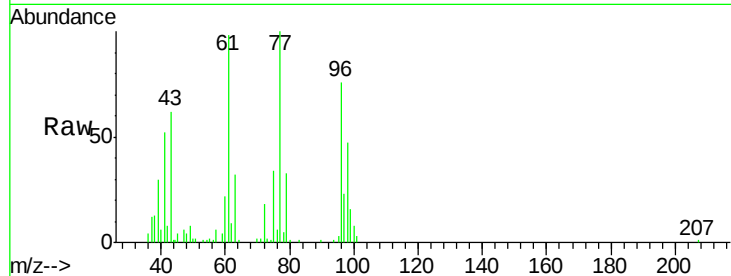
#25
2-Butanone
Concen: 102.282 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067305.D
Acq: 19 Oct 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD1019SBS01

Tot Ion: 43 Resp: 49562
Ion Ratio Lower Upper
43 100
72 29.4 23.7 35.5

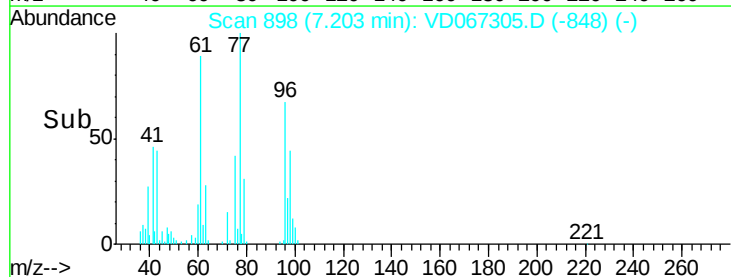
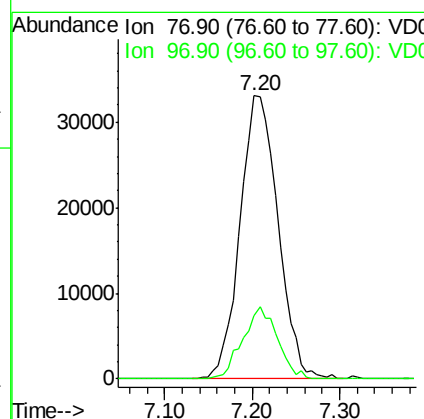
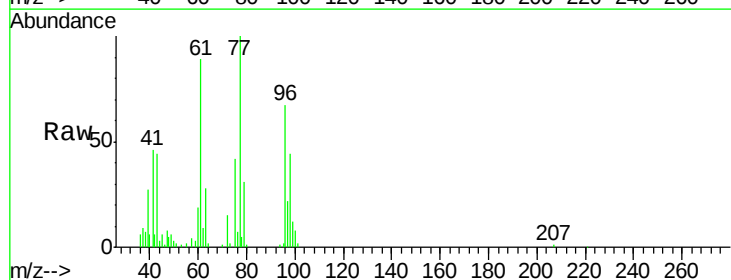
Manual Integrations
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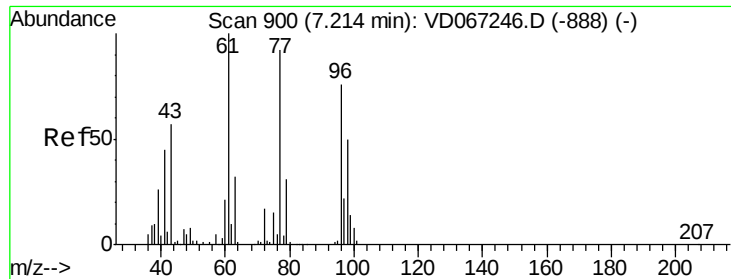
MMDadoda
10/20/2020 4:51:01 PM



#26
2,2-Dichloropropane
Concen: 21.136 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD067305.D
Acq: 19 Oct 2020 13:29

Tgt Ion: 77 Resp: 97548
Ion Ratio Lower Upper
77 100
97 23.3 11.4 34.2





#27

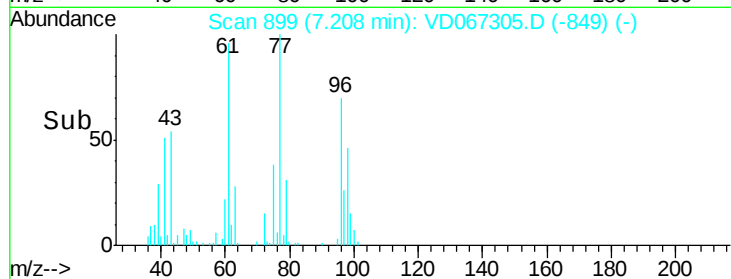
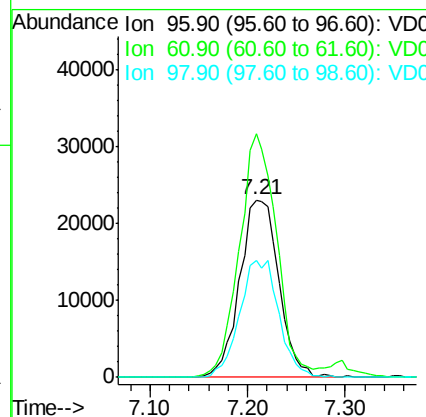
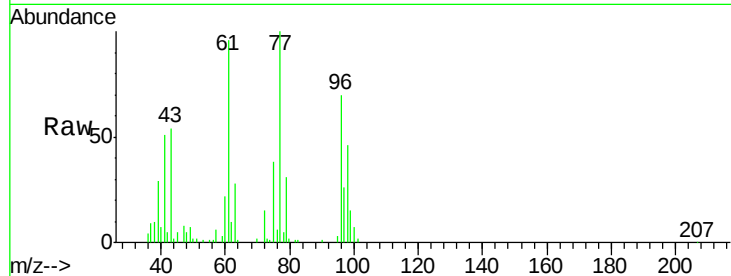
cis-1,2-Dichloroethene
 Concen: 20.393 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD067305.D
 Acq: 19 Oct 2020 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1019SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.4	0.0	255.4
98	65.8	0.0	128.0

Manual Integrations
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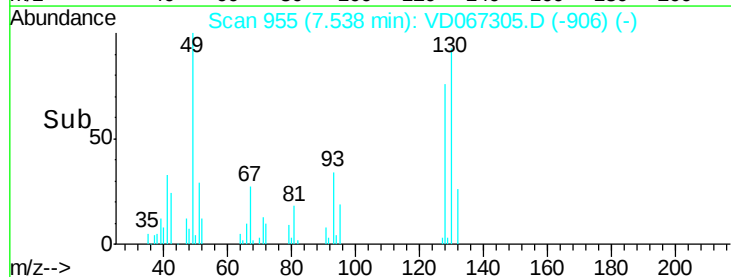
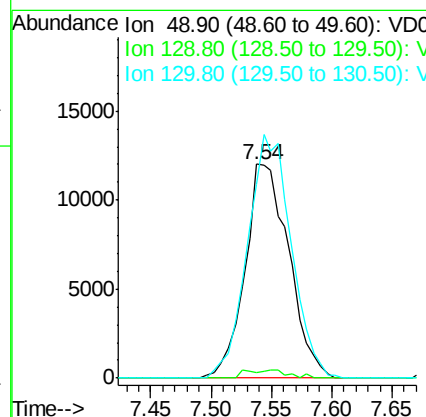
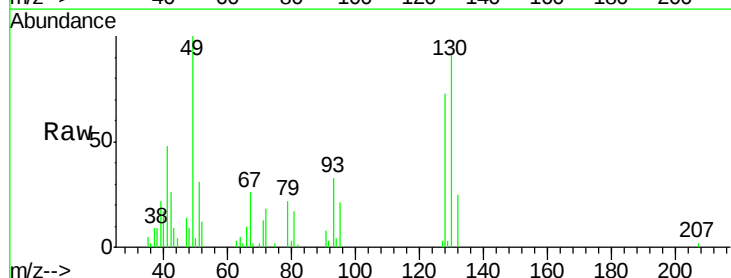
MMDadoda
 10/20/2020 4:51:01 PM

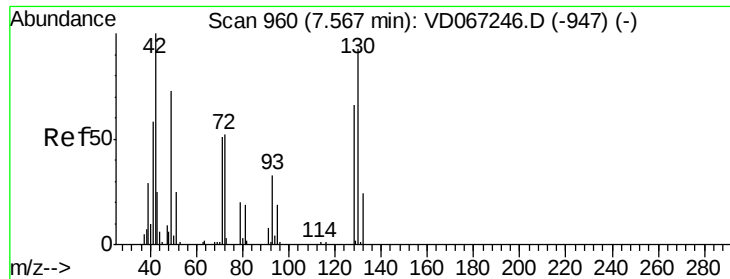


#28

Bromochloromethane
 Concen: 19.880 ug/l
 RT: 7.54 min Scan# 955
 Delta R.T. -0.01 min
 Lab File: VD067305.D
 Acq: 19 Oct 2020 13:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	1.6#
130	113.3	91.0	136.6





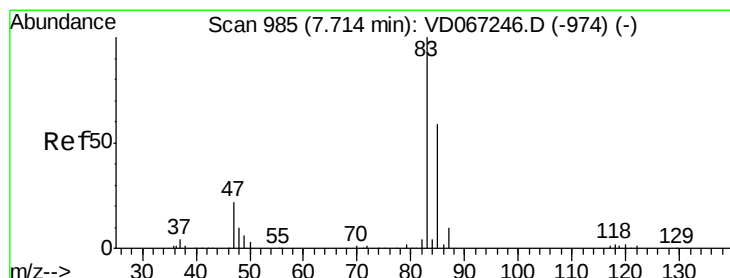
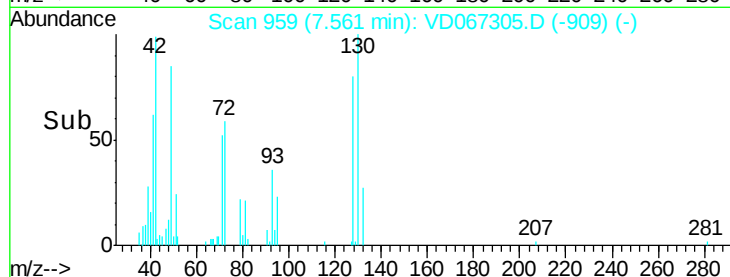
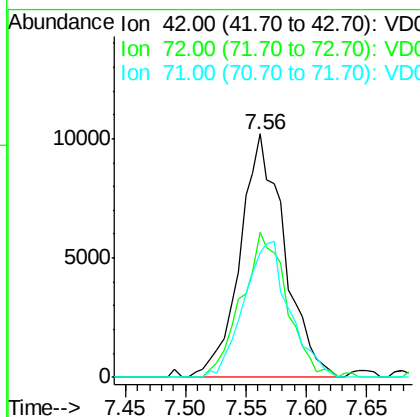
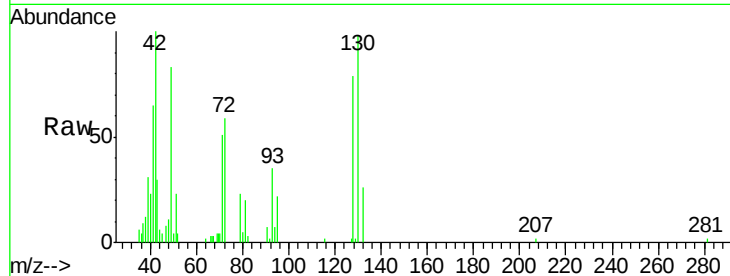
#29
Tetrahydrofuran
Concen: 96.852 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD067305.D
Acq: 19 Oct 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD1019SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	60.4	43.2	64.8
71	57.1	39.4	59.0

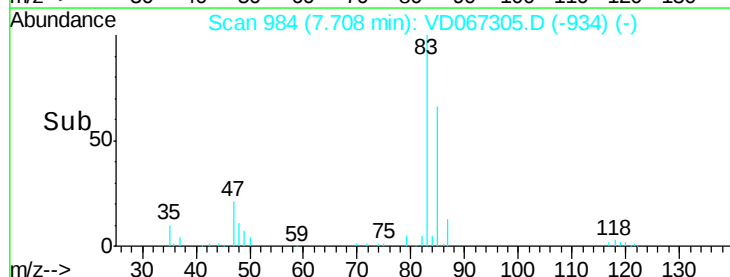
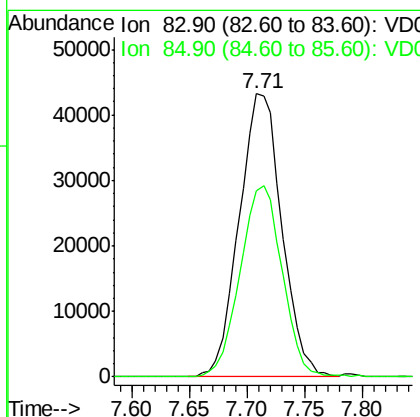
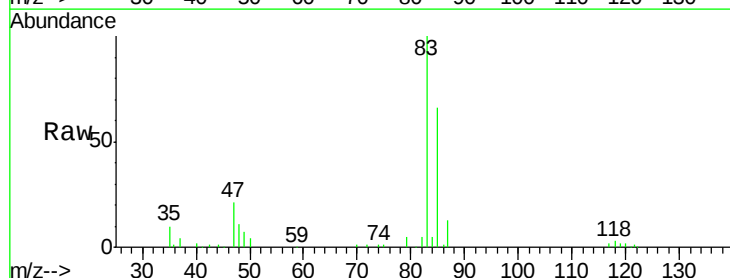
Manual Integrations
APPROVED

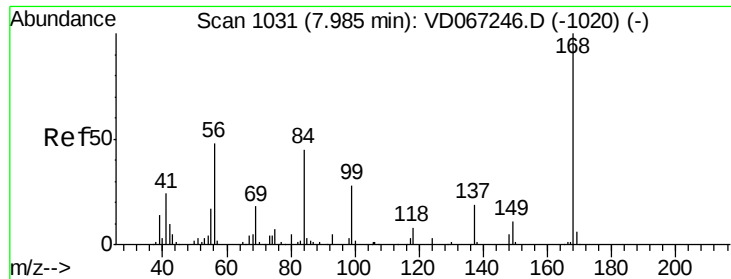
MMDadoda
10/20/2020 4:51:01 PM



#30
Chloroform
Concen: 20.773 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD067305.D
Acq: 19 Oct 2020 13:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	47.3	70.9





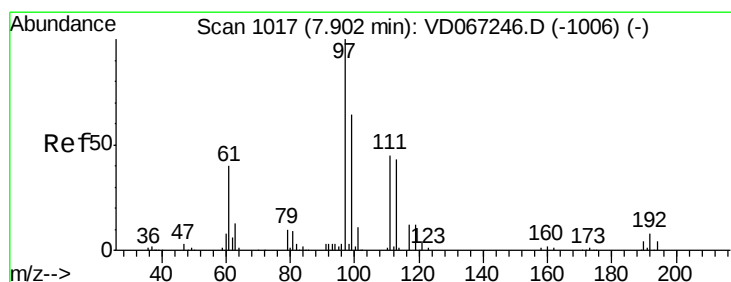
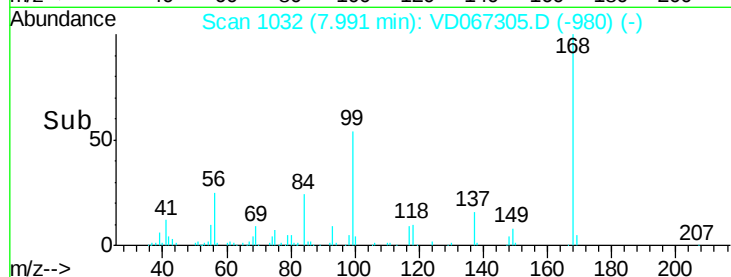
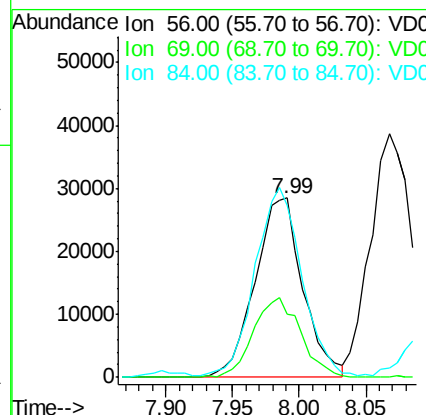
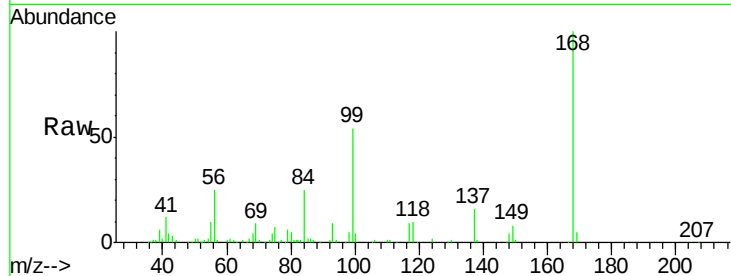
#31
Cyclohexane
Concen: 20.241 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD067305.D
Acq: 19 Oct 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD1019SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.0	29.8	44.6
84	95.3	76.6	114.8

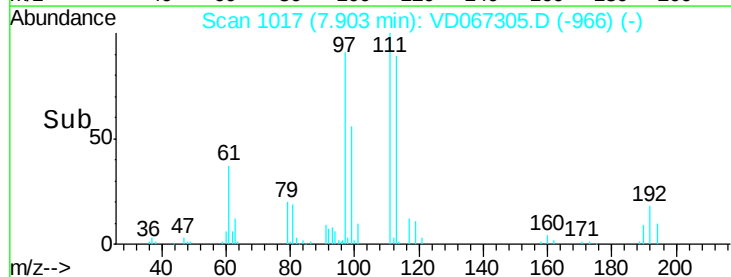
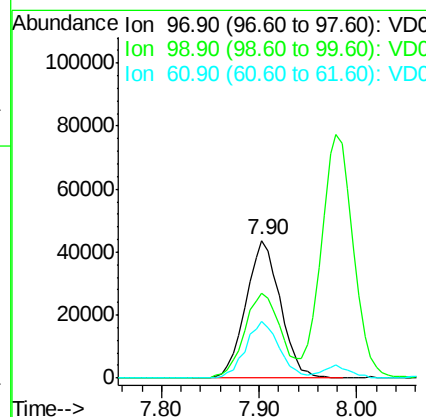
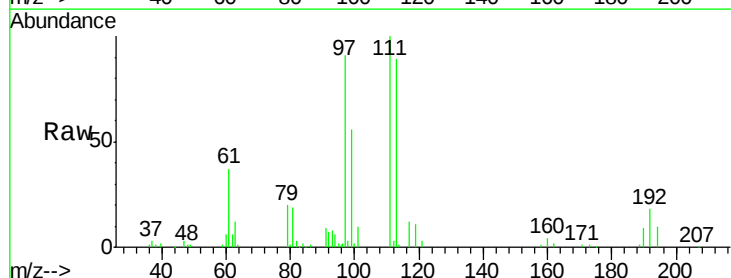
Manual Integrations
APPROVED

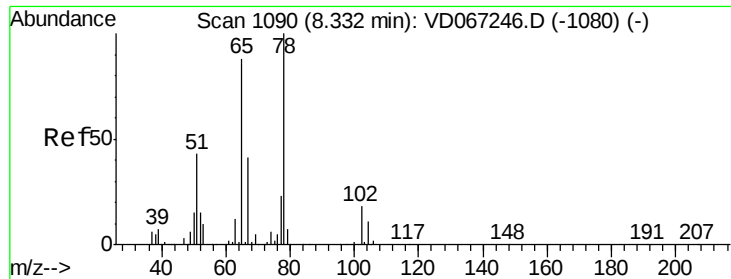
MMDadoda
10/20/2020 4:51:01 PM



#32
1,1,1-Trichloroethane
Concen: 20.479 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067305.D
Acq: 19 Oct 2020 13:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	50.2	75.4
61	39.9	30.5	45.7





#33

1,2-Dichloroethane-d4

Concen: 53.149 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067305.D

Acq: 19 Oct 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD1019SBS01

Tot Ion: 65 Resp: 161323

Ion Ratio Lower Upper

65 100

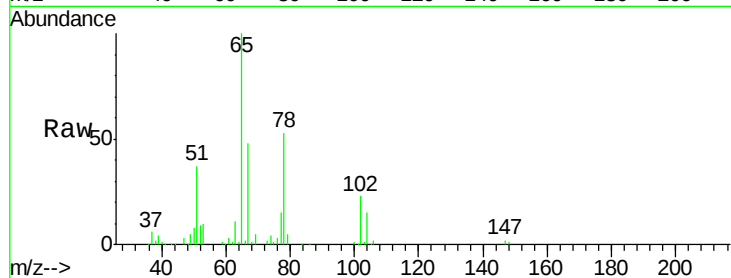
67 48.1 0.0 103.8

Manual Integrations

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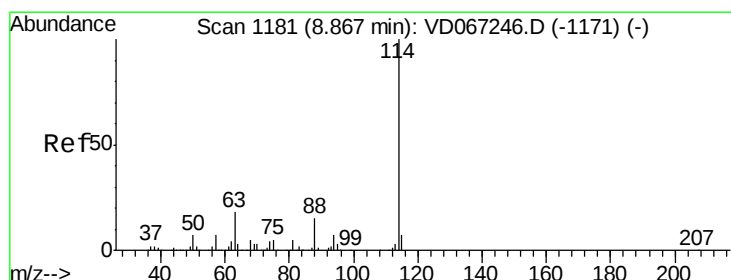
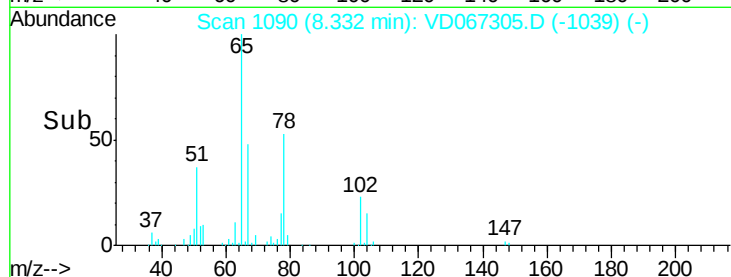
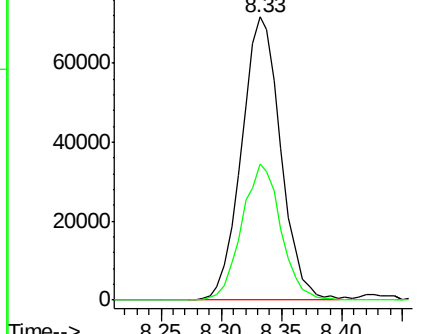
MMDadoda

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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: VD067305.D

Acq: 19 Oct 2020 13:29

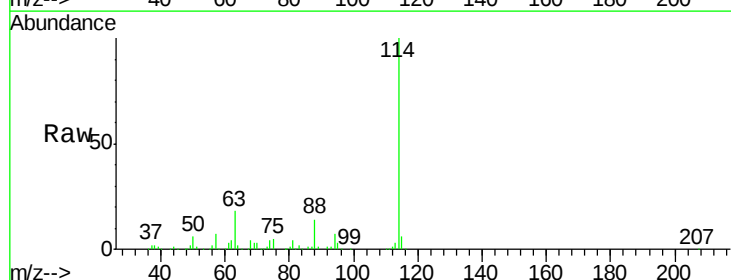
Tgt Ion: 114 Resp: 462923

Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.0

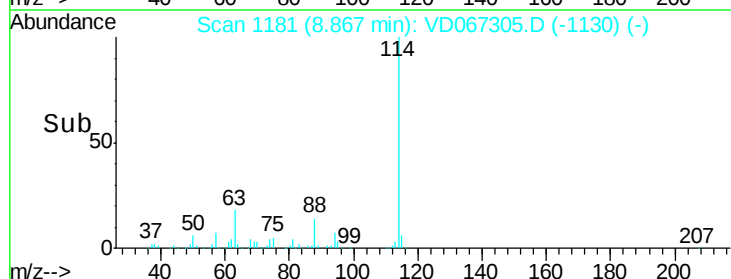
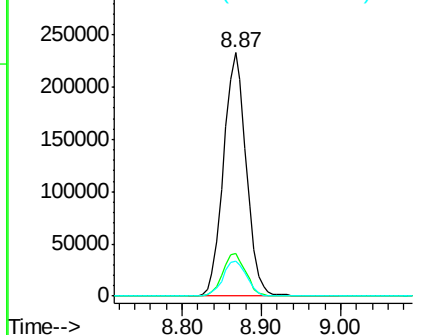
88 14.2 0.0 30.6

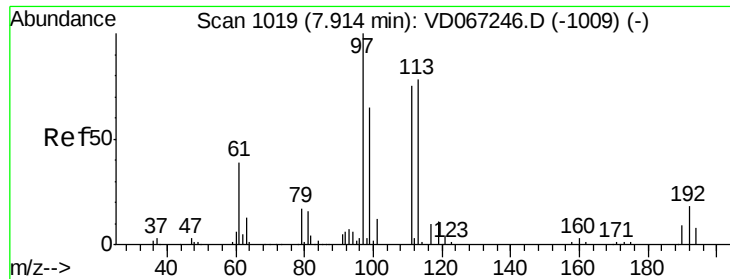


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





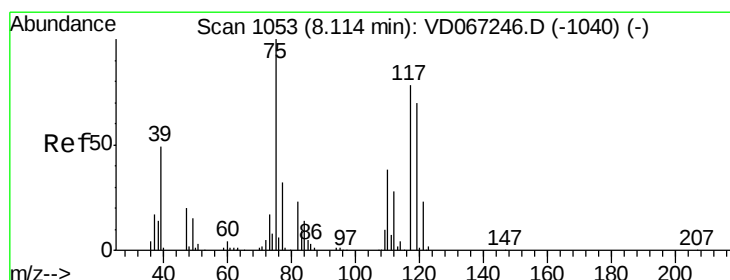
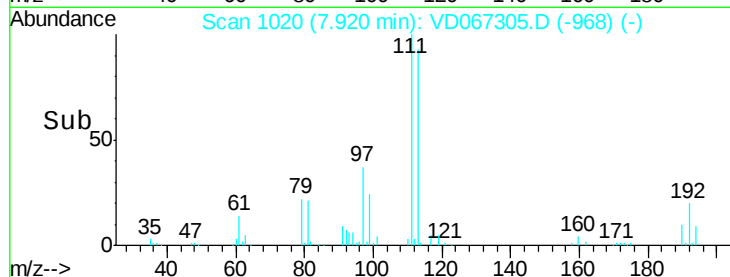
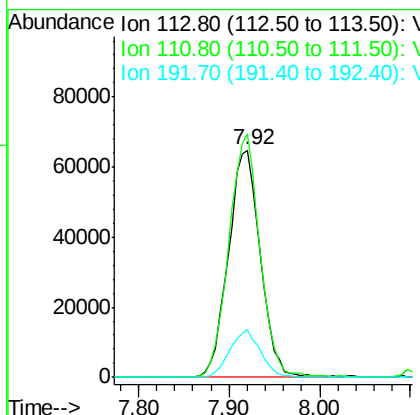
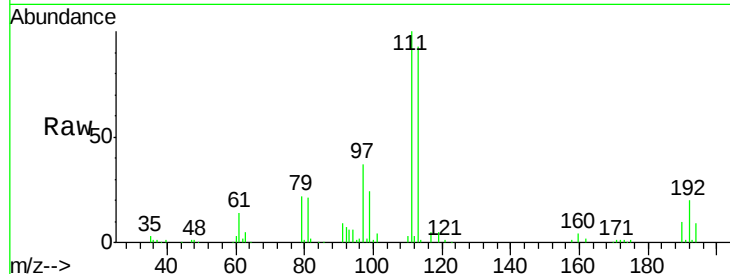
#35
 Dibromofluoromethane
 Concen: 51.655 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067305.D
 Acq: 19 Oct 2020 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1019SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	159138		
111	103.8	81.6	122.4	
192	20.1	17.0	25.4	

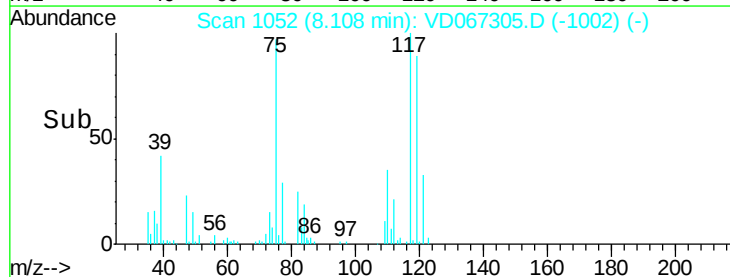
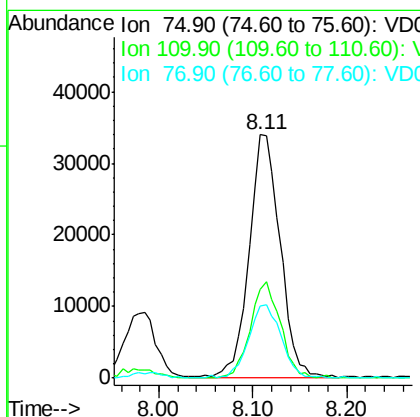
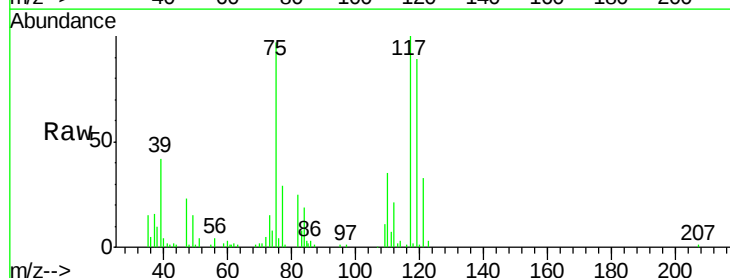
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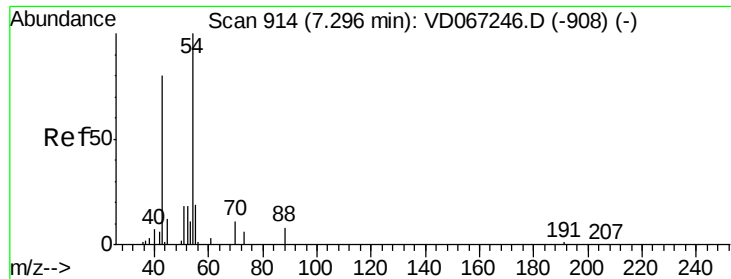
MMDadoda
 10/20/2020 4:51:01 PM



#36
 1,1-Dichloropropene
 Concen: 19.999 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD067305.D
 Acq: 19 Oct 2020 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	78466		
110	37.6	19.6	58.7	
77	31.2	24.6	37.0	





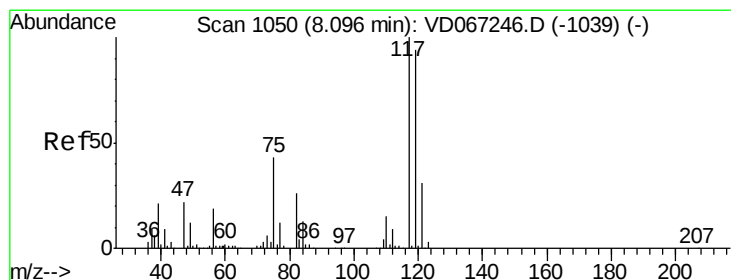
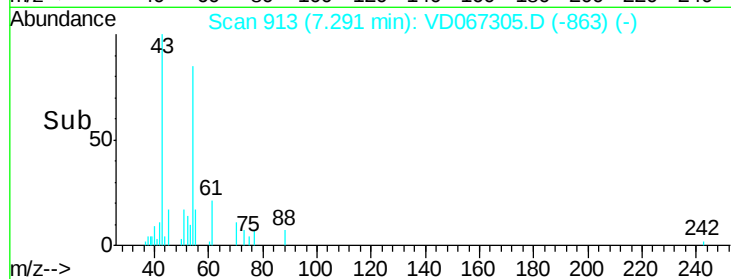
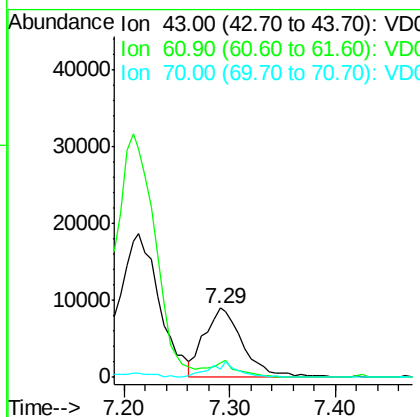
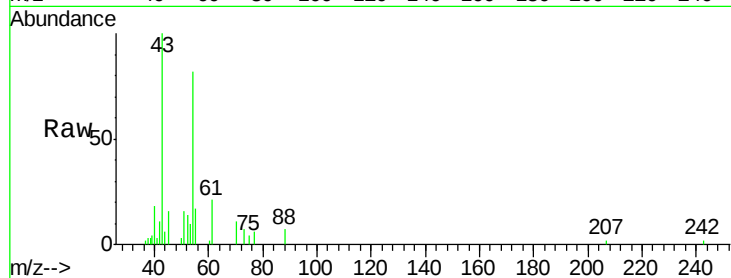
#37
Ethyl Acetate
Concen: 20.008 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067305.D
Acq: 19 Oct 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD1019SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.4	15.6	23.4
70	16.1	10.4	15.6

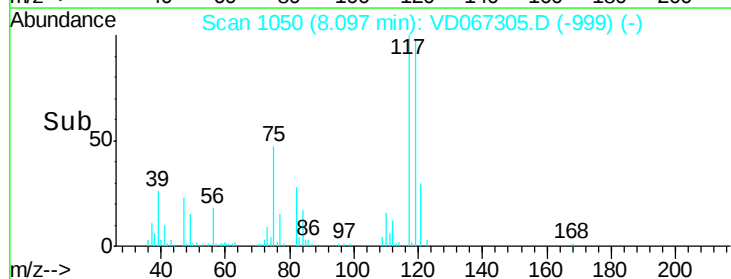
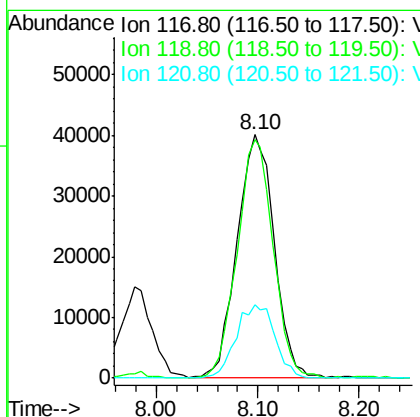
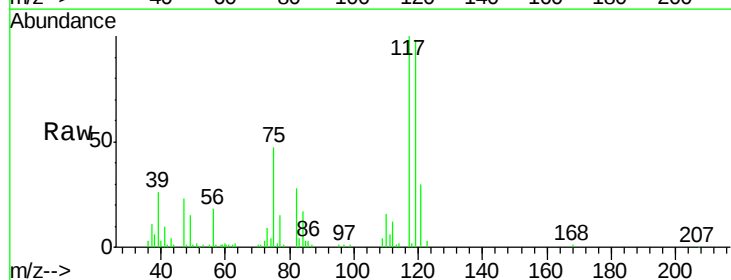
Manual Integrations
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10/20/2020 4:51:01 PM



#38
Carbon Tetrachloride
Concen: 20.344 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067305.D
Acq: 19 Oct 2020 13:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	75.0	112.4
121	30.0	24.9	37.3





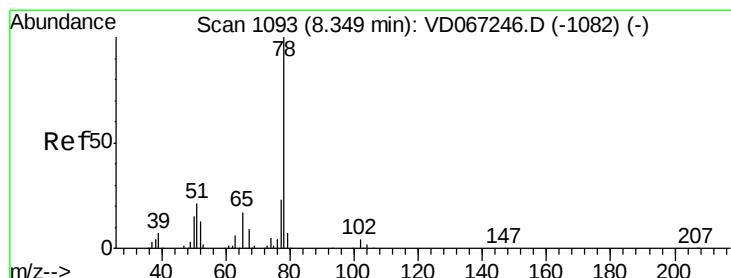
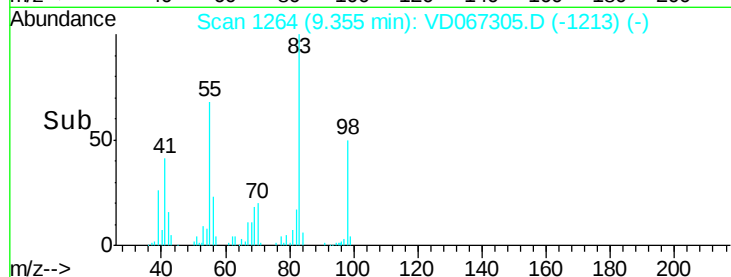
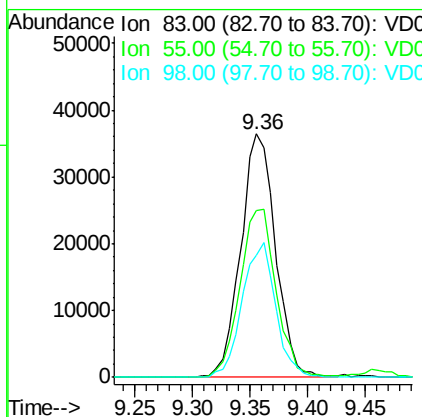
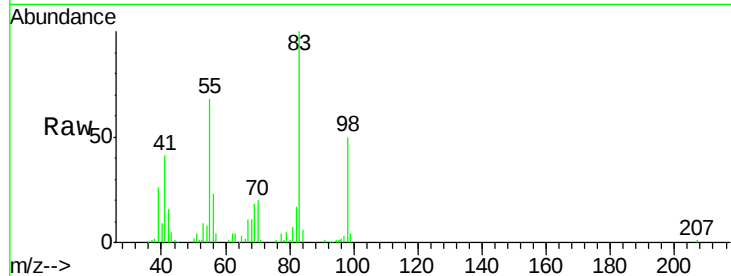
#39
Methvlcvclohexane
Concen: 18.668 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067305.D
Acq: 19 Oct 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD1019SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.5	53.3	79.9
98	50.0	41.0	61.4

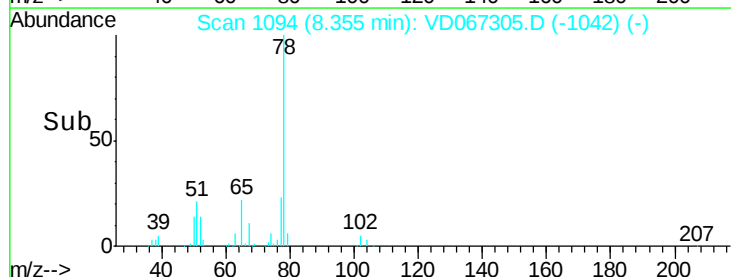
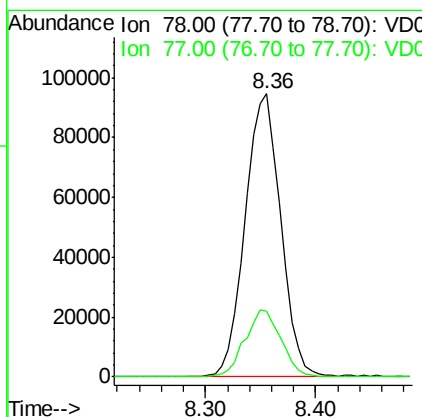
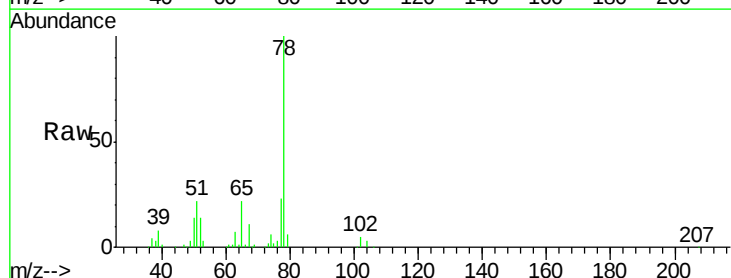
Manual Integrations
APPROVED

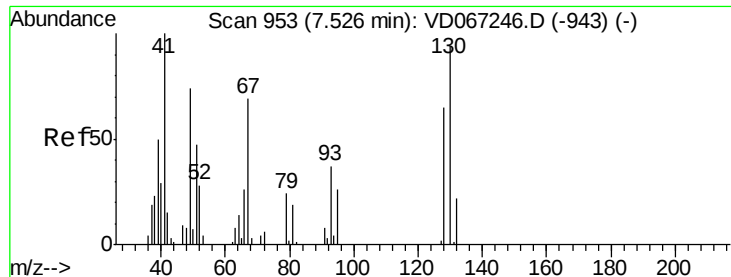
MMDadoda
10/20/2020 4:51:01 PM



#40
Benzene
Concen: 19.964 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067305.D
Acq: 19 Oct 2020 13:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.3	27.5





#41

Methacrylonitrile

Concen: 16.859 ug/l

RT: 7.52 min Scan# 952

Delta R.T. -0.01 min

Lab File: VD067305.D

Acq: 19 Oct 2020 13:29

Instrument :

MSVOA_D

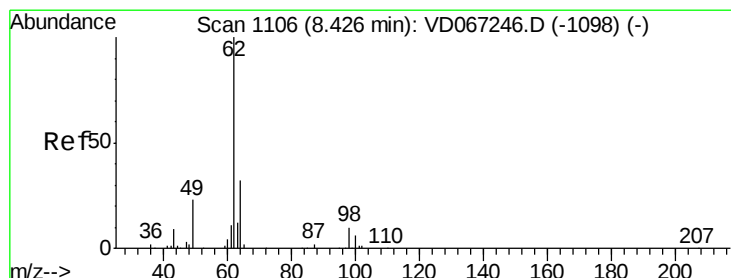
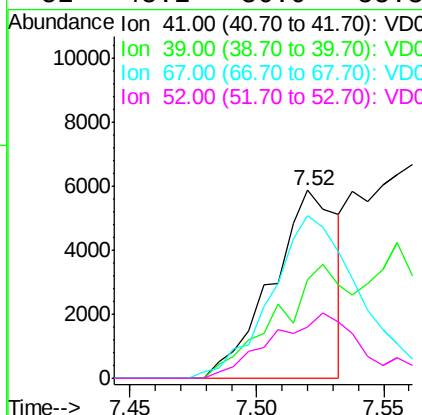
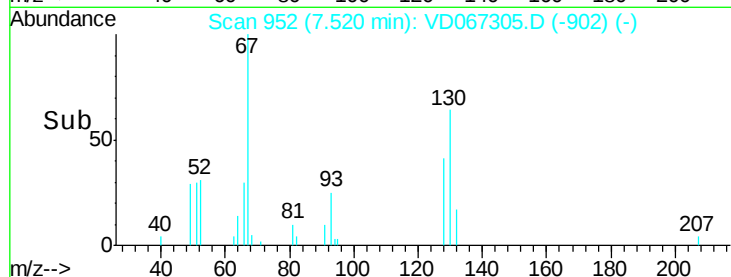
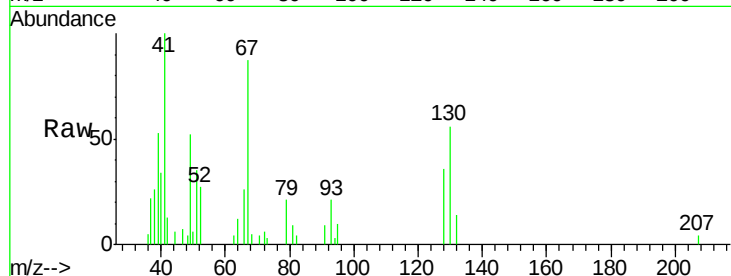
ClientSampleId :

VD1019SBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	66.8	60.0	90.0	
67	116.3	88.9	133.3	
52	48.2	36.9	55.3	

Manual Integrations
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10/20/2020 4:51:01 PM



#42

1,2-Dichloroethane

Concen: 20.310 ug/l

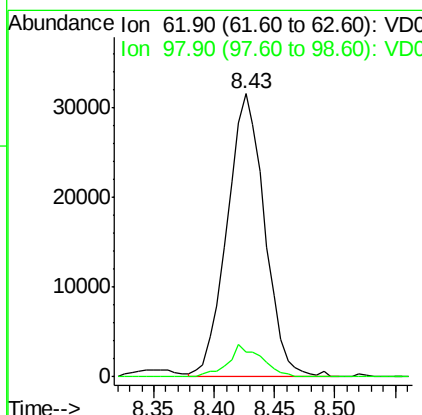
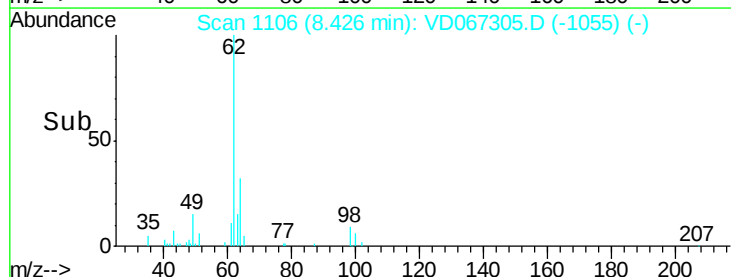
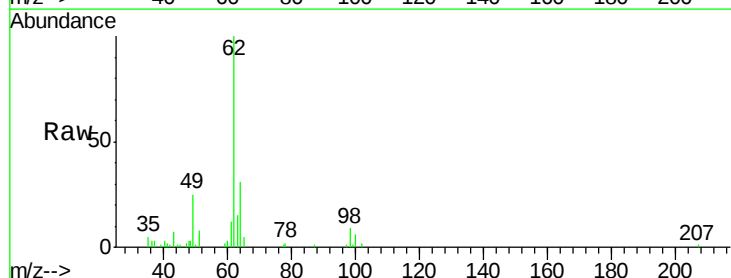
RT: 8.43 min Scan# 1106

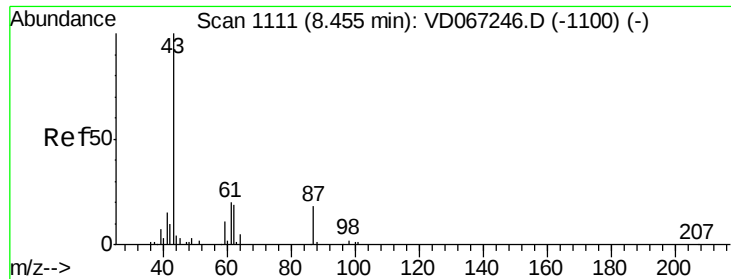
Delta R.T. 0.00 min

Lab File: VD067305.D

Acq: 19 Oct 2020 13:29

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	0.0	19.4	





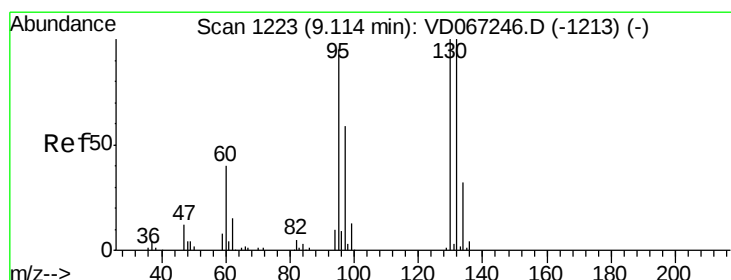
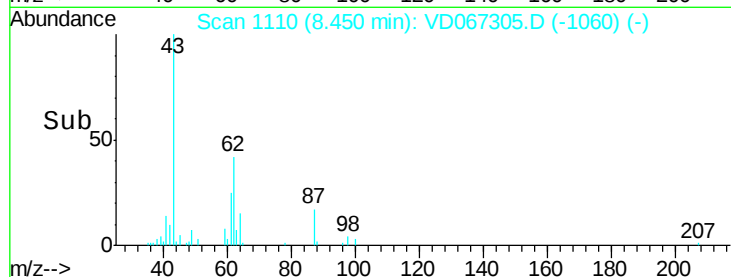
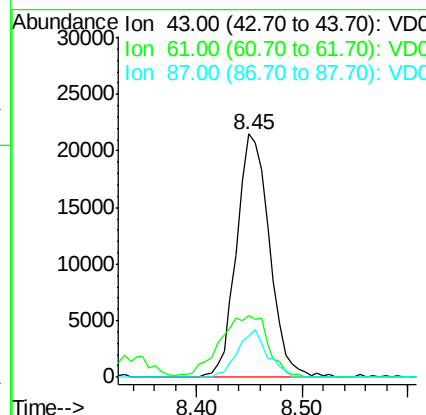
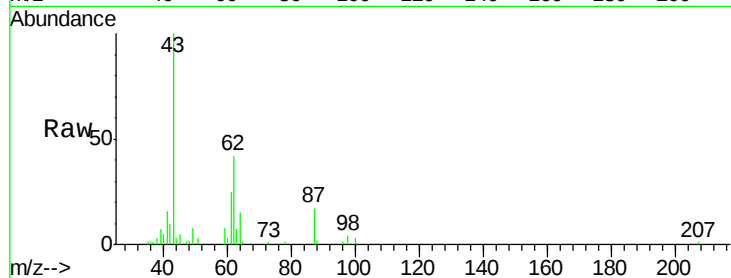
#43
Isopropyl Acetate
Concen: 20.295 ug/l
RT: 8.45 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD067305.D
Acq: 19 Oct 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD1019SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	37.3	29.5	44.3
87	17.5	14.2	21.4

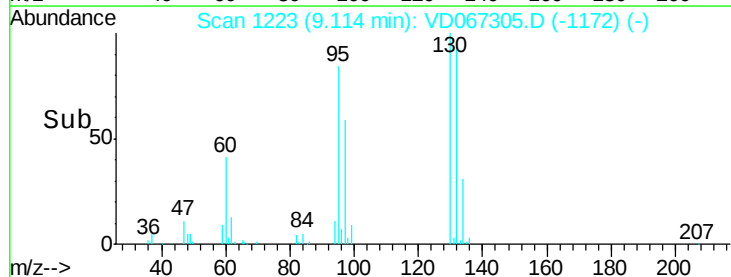
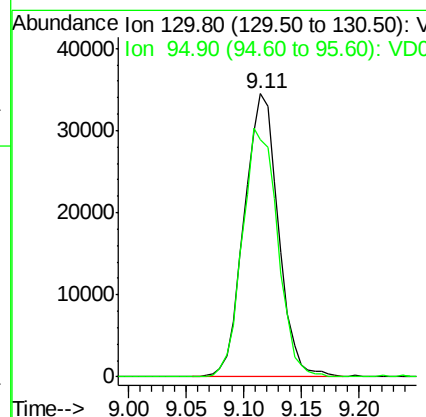
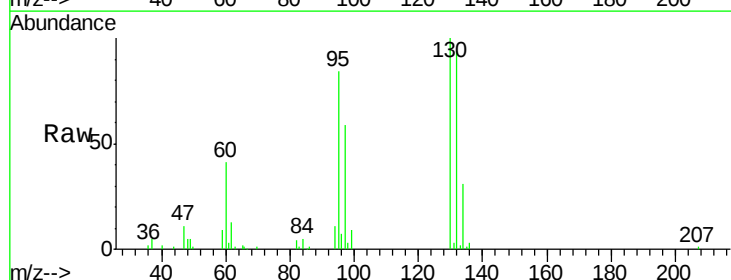
Manual Integrations
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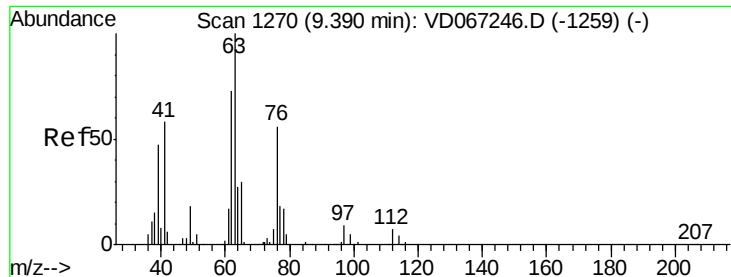
MMDadoda
10/20/2020 4:51:01 PM



#44
Trichloroethene
Concen: 20.616 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD067305.D
Acq: 19 Oct 2020 13:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	83.9	0.0	190.6





#45

1,2-Dichloropropane

Concen: 19.906 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067305.D

Acq: 19 Oct 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD1019SBS01

Tot Ion: 63 Resp: 49657

Ion Ratio Lower Upper

63 100

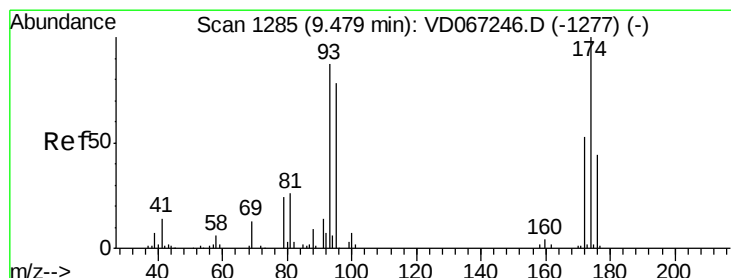
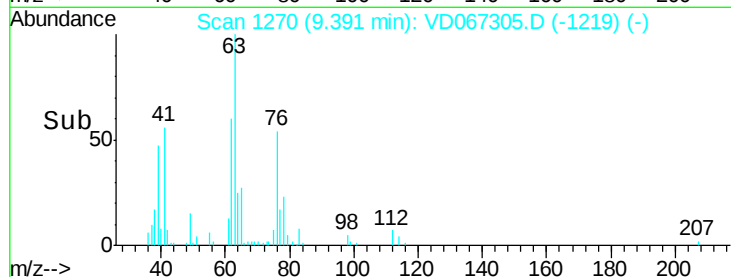
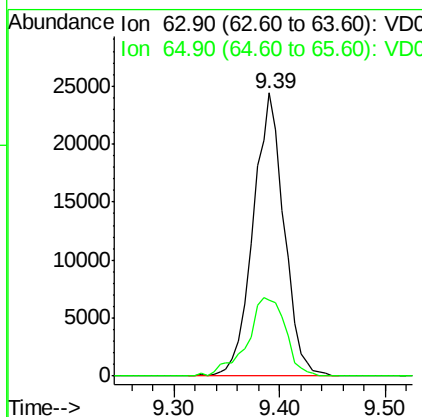
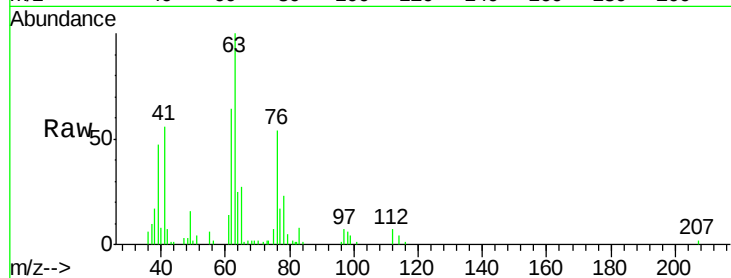
65 26.7 24.6 36.8

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#46

Dibromomethane

Concen: 20.281 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067305.D

Acq: 19 Oct 2020 13:29

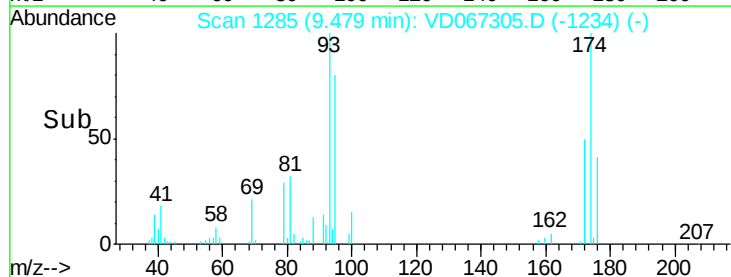
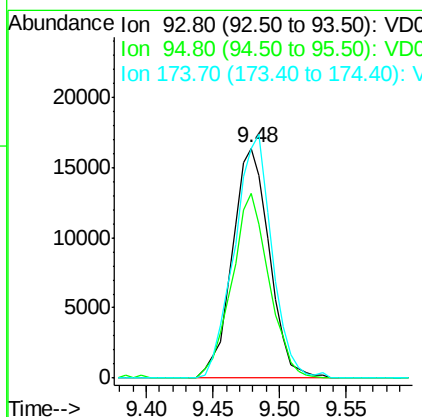
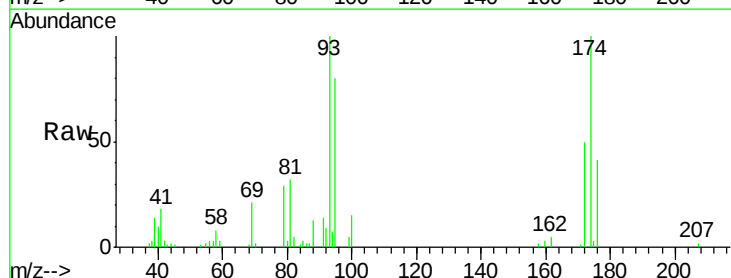
Tgt Ion: 93 Resp: 31522

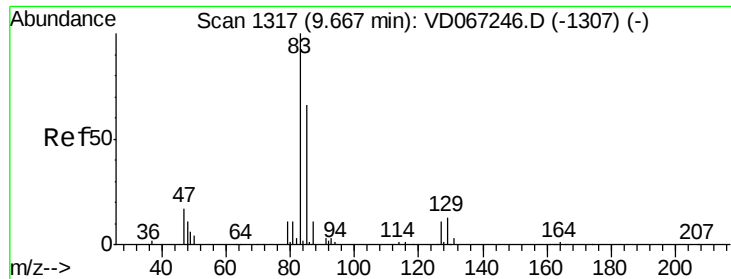
Ion Ratio Lower Upper

93 100

95 80.7 68.0 102.0

174 107.0 91.8 137.6





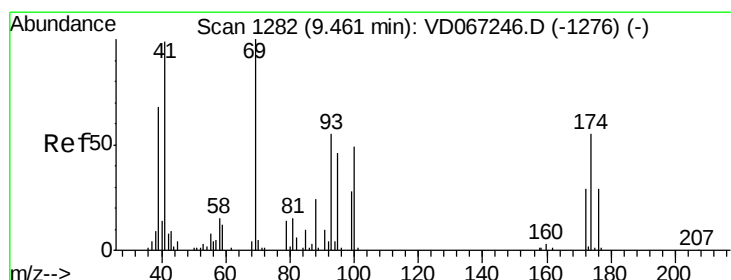
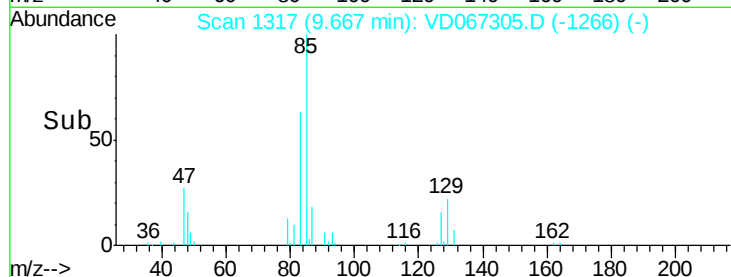
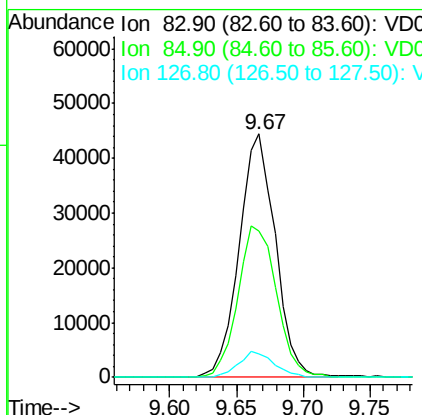
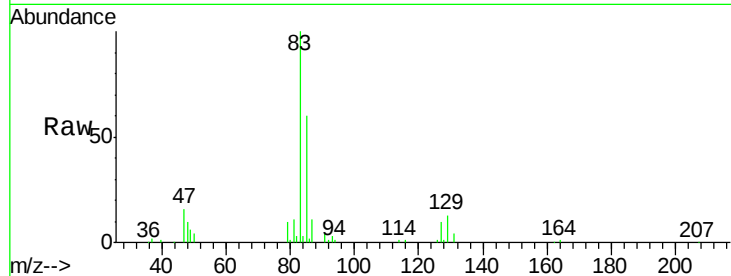
#47
Bromodichloromethane
Concen: 20.033 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD067305.D
Acq: 19 Oct 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD1019SBS01

Tot Ion	83	Resp	83422
Ion Ratio	100	Lower	Upper
85	59.9	53.1	79.7
127	9.6	8.6	13.0

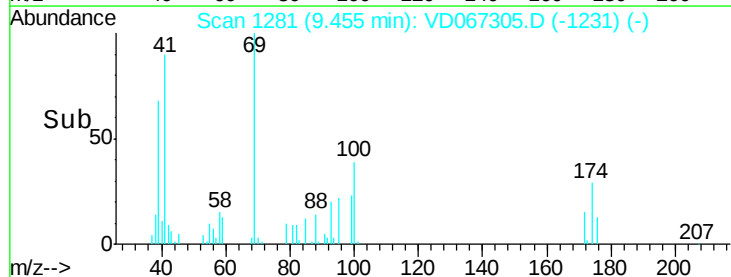
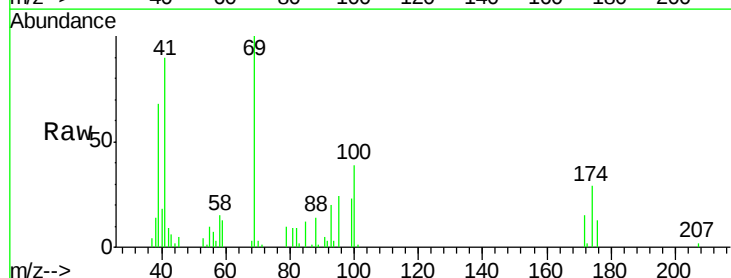
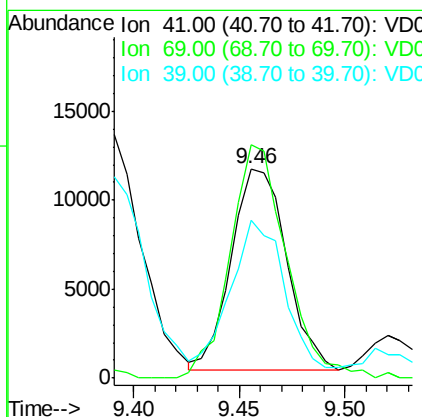
Manual Integrations
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#48
Methyl methacrylate
Concen: 18.539 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD067305.D
Acq: 19 Oct 2020 13:29

Tgt Ion	41	Resp	20637
Ion Ratio	100	Lower	Upper
69	118.2	89.0	133.6
39	81.3	60.2	90.2





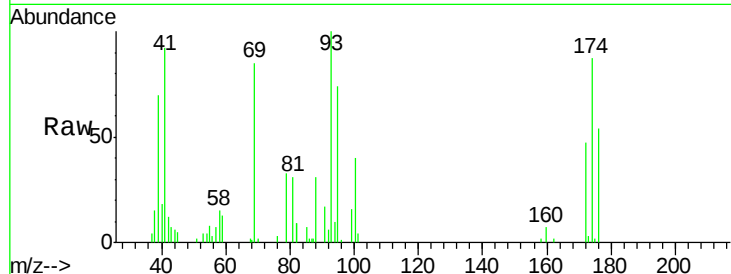
#49
1,4-Dioxane
Concen: 397.013 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD067305.D
Acq: 19 Oct 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD1019SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.0	23.9	35.9
58	68.8	51.0	76.6

Manual Integrations
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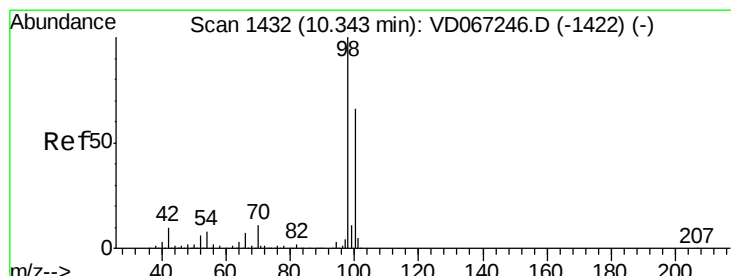
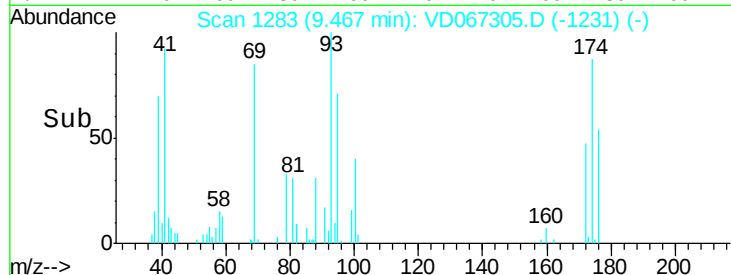
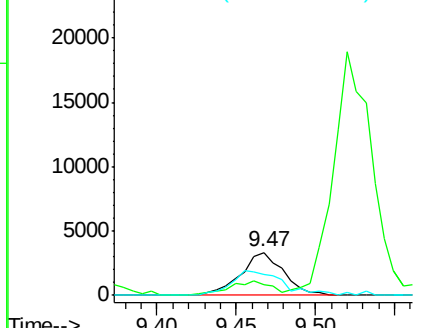


Abundance

Ion 88.00 (87.70 to 88.70): VDC

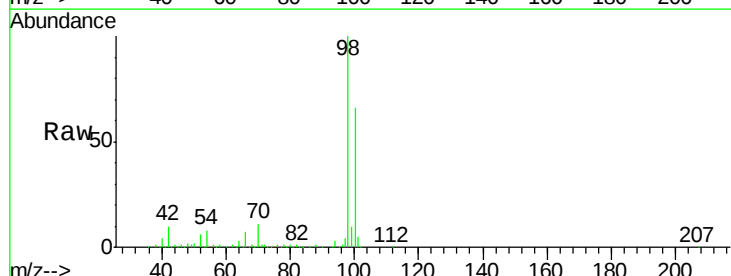
Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50
Toluene-d8
Concen: 51.995 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067305.D
Acq: 19 Oct 2020 13:29

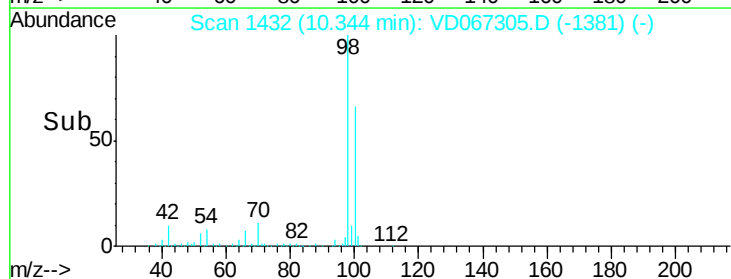
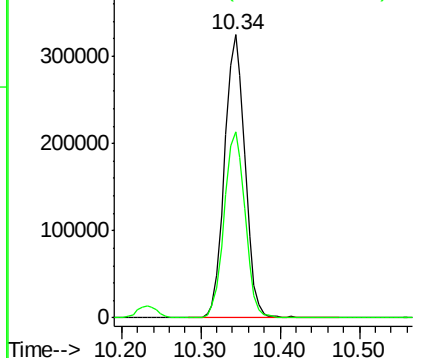
Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.3	53.1	79.7

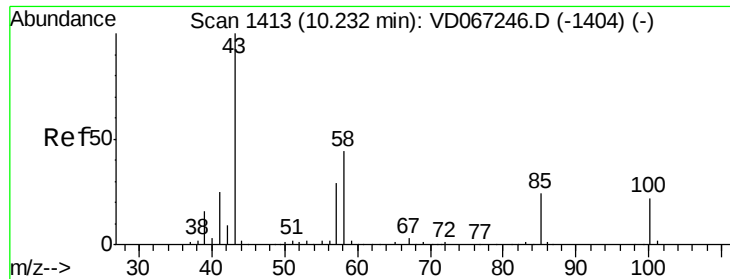


Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 99.538 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067305.D

Acq: 19 Oct 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD1019SBS01

Tot Ion: 43 Resp: 113720

Ion Ratio Lower Upper

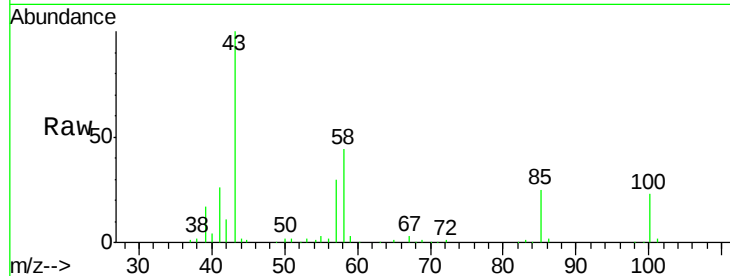
43 100

58 43.9 35.7 53.5

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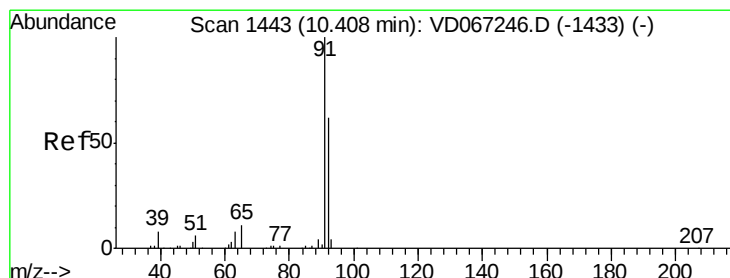
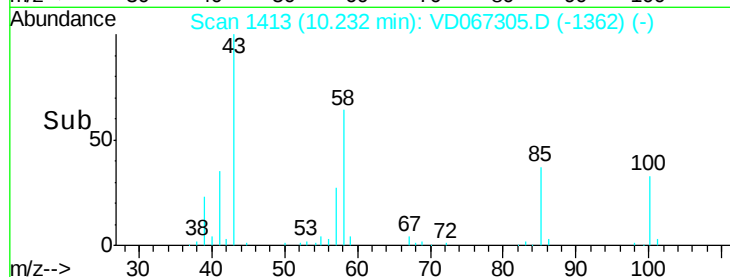
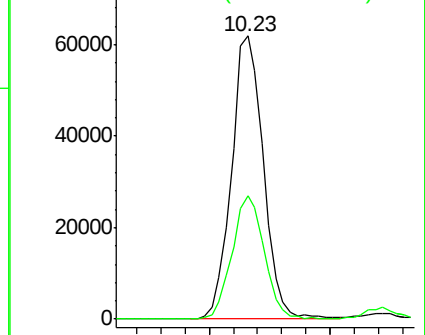
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 20.835 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067305.D

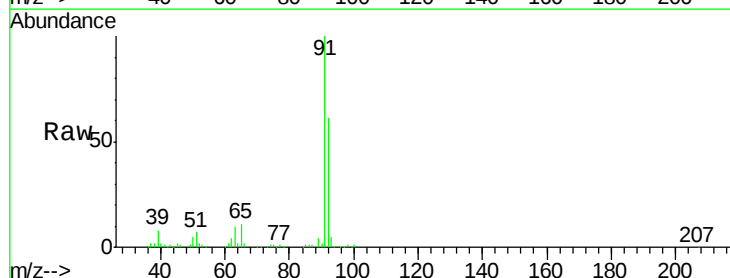
Acq: 19 Oct 2020 13:29

Tgt Ion: 92 Resp: 152751

Ion Ratio Lower Upper

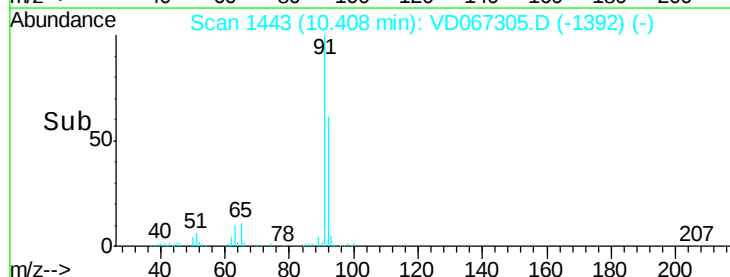
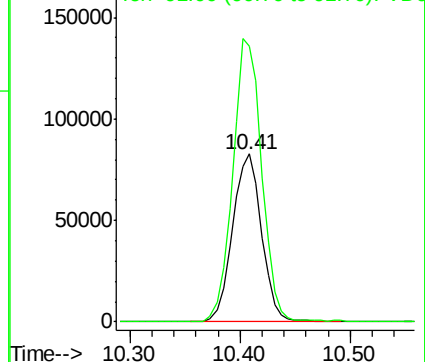
92 100

91 167.8 133.8 200.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





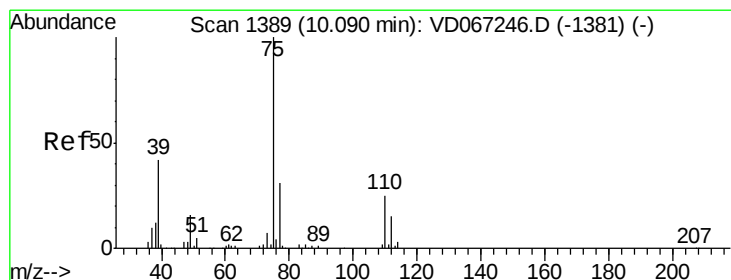
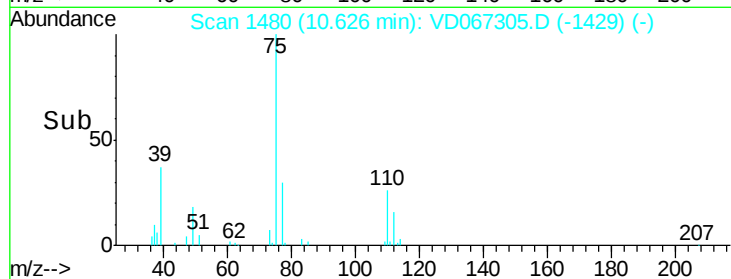
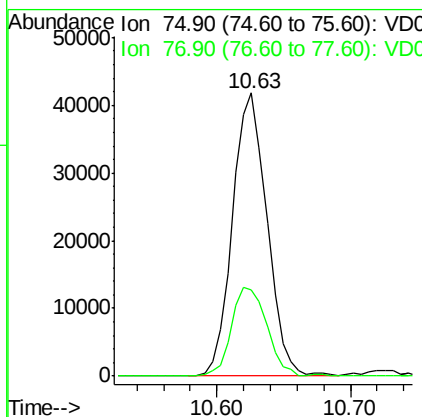
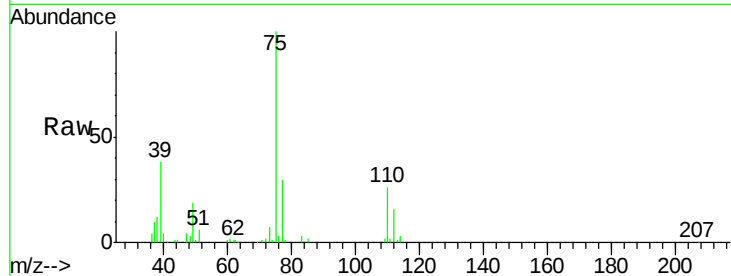
#53
t-1,3-Dichloropropene
Concen: 20.494 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067305.D
Acq: 19 Oct 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD1019SBS01

Tot Ion	75	Resp	74969
Ion Ratio	Lower	Upper	
75	100		
77	30.3	26.5	39.7

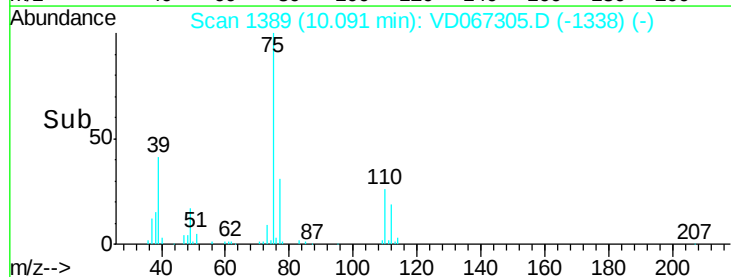
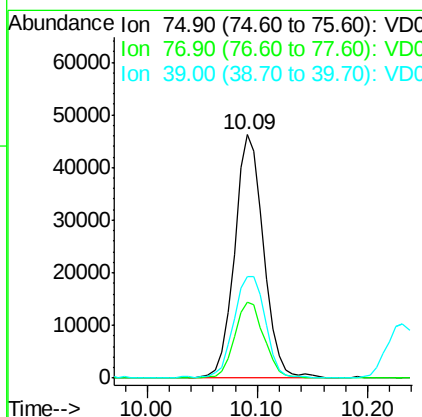
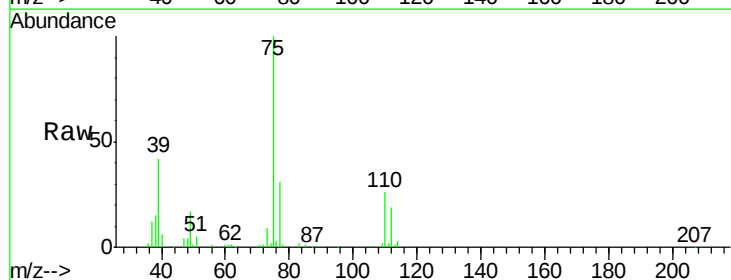
Manual Integrations
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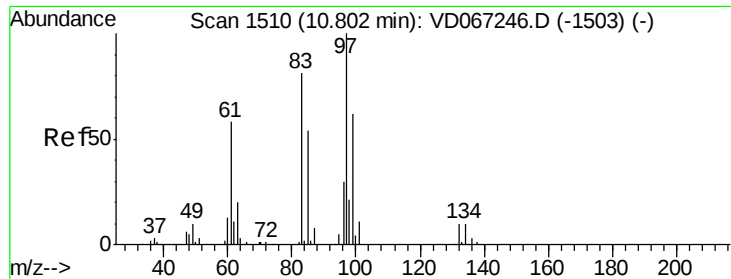
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#54
cis-1,3-Dichloropropene
Concen: 19.911 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD067305.D
Acq: 19 Oct 2020 13:29

Tgt Ion	75	Resp	85242
Ion Ratio	Lower	Upper	
75	100		
77	31.2	24.5	36.7
39	41.8	33.7	50.5





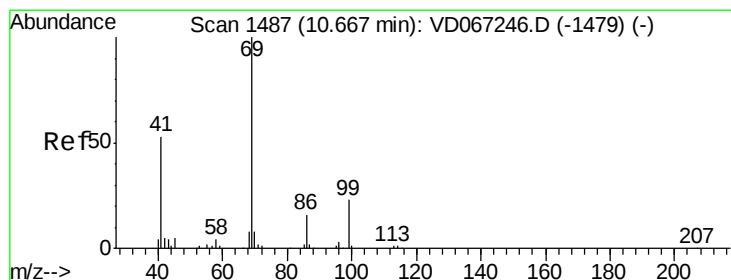
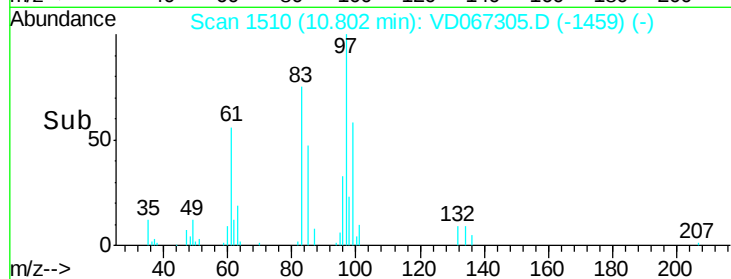
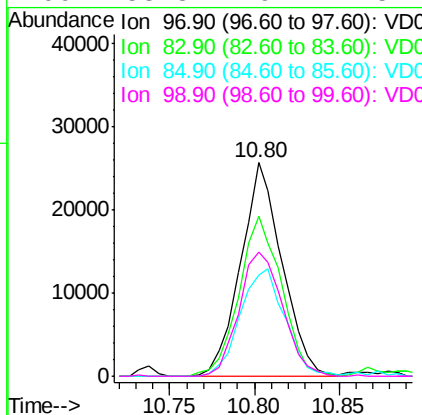
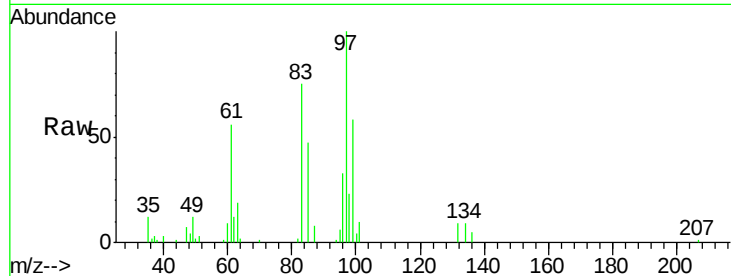
#55
 1,1,2-Trichloroethane
 Concen: 20.692 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067305.D
 Acq: 19 Oct 2020 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1019SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		43857		
83	75.2	64.9	97.3		
85	47.2	43.3	64.9		
99	58.3	49.1	73.7		

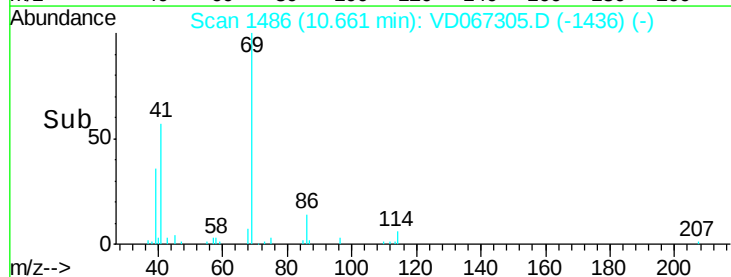
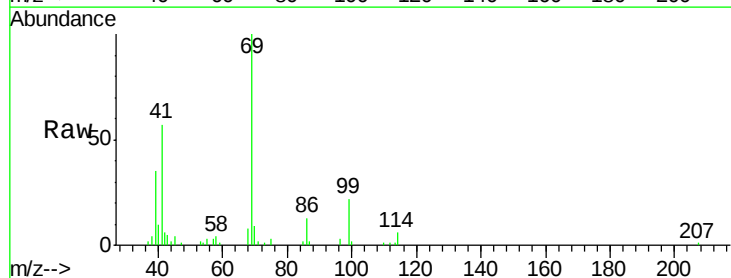
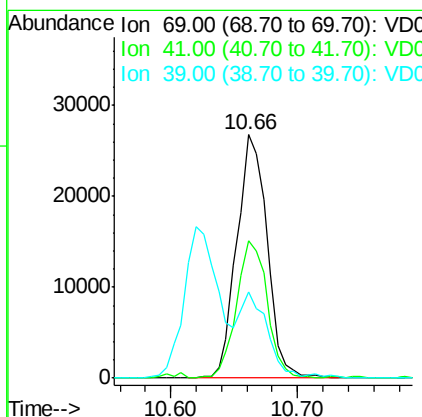
Manual Integrations
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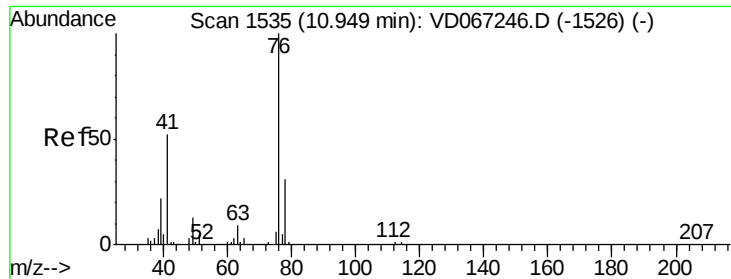
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#56
 Ethyl methacrylate
 Concen: 20.261 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD067305.D
 Acq: 19 Oct 2020 13:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		44537		
41	57.3	44.7	67.1		
39	30.0	26.2	39.2		





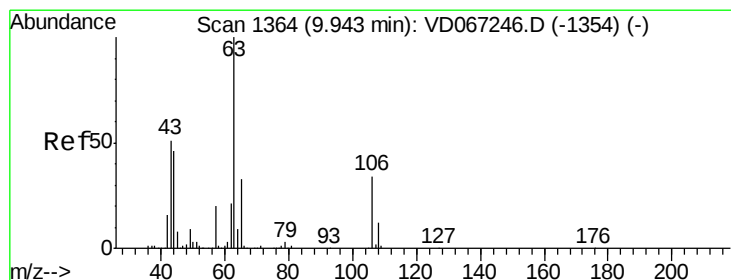
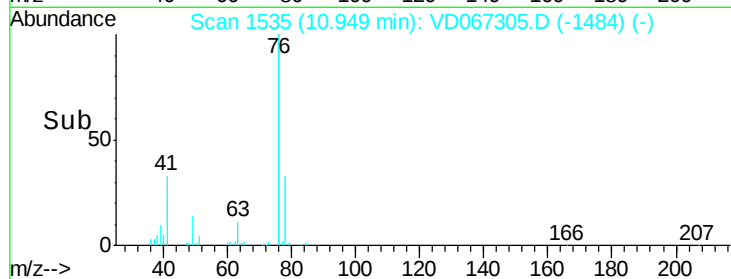
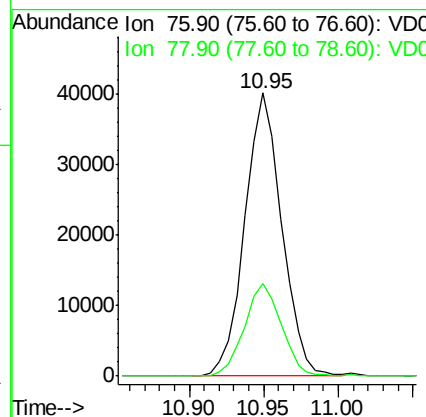
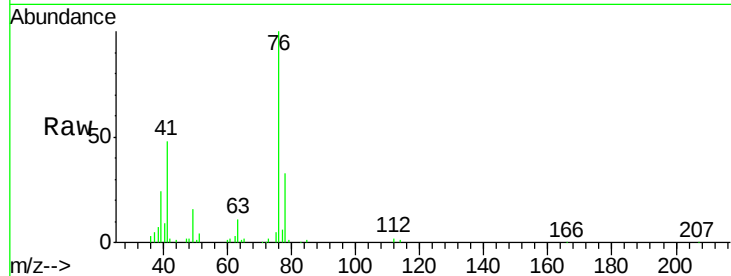
#57
 1,3-Dichloropropane
 Concen: 20.410 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067305.D
 Acq: 19 Oct 2020 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1019SBS01

Tot Ion: 76 Resp: 68842
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.8 40.2

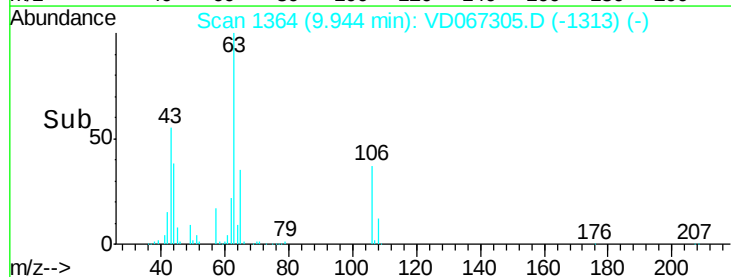
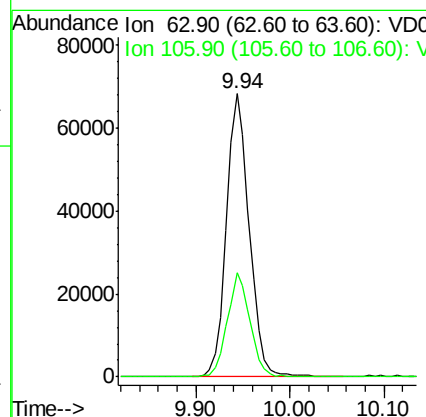
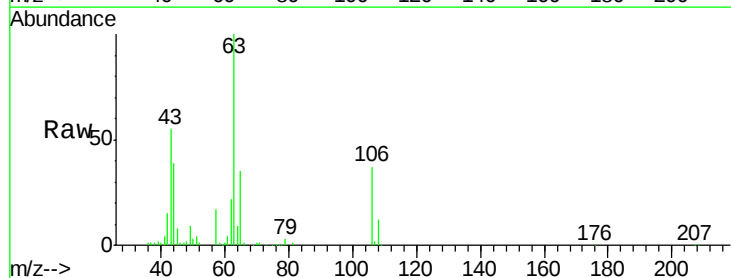
Manual Integrations
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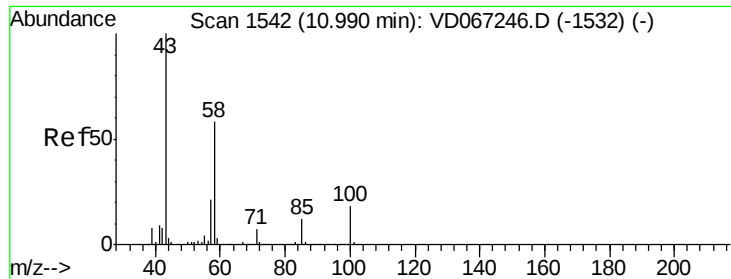
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#58
 2-Chloroethyl Vinyl ether
 Concen: 102.155 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD067305.D
 Acq: 19 Oct 2020 13:29

Tgt Ion: 63 Resp: 115193
 Ion Ratio Lower Upper
 63 100
 106 36.4 27.8 41.6





#59

2-Hexanone

Concen: 100.850 ug/l

RT: 10.99 min Scan# 1542

Delta R.T. 0.00 min

Lab File: VD067305.D

Acq: 19 Oct 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD1019SBS01

Tot Ion: 43 Resp: 78733

Ion Ratio Lower Upper

43 100

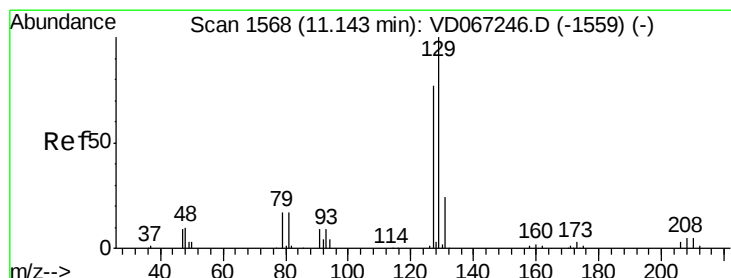
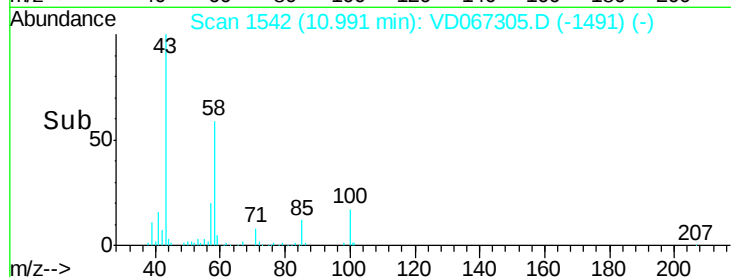
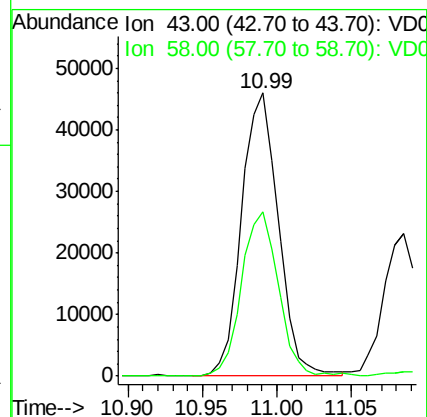
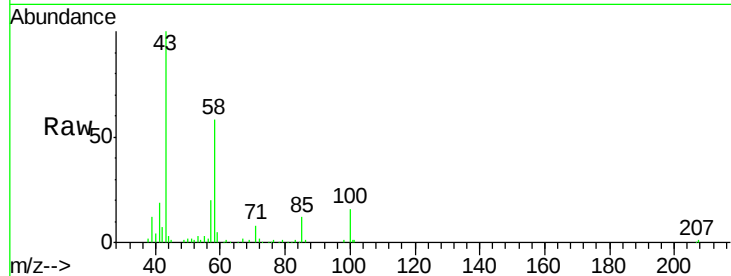
58 58.2 29.3 87.9

Manual Integrations

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#60

Dibromochloromethane

Concen: 20.635 ug/l

RT: 11.14 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VD067305.D

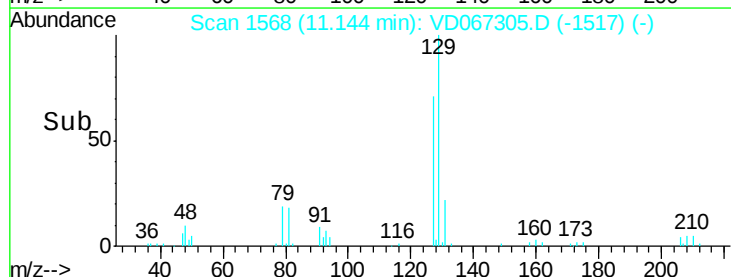
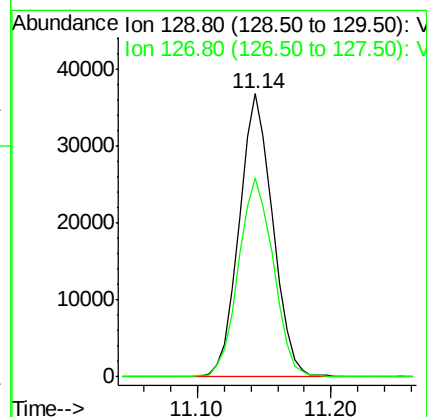
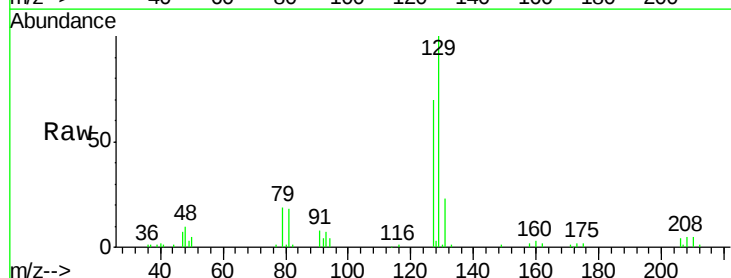
Acq: 19 Oct 2020 13:29

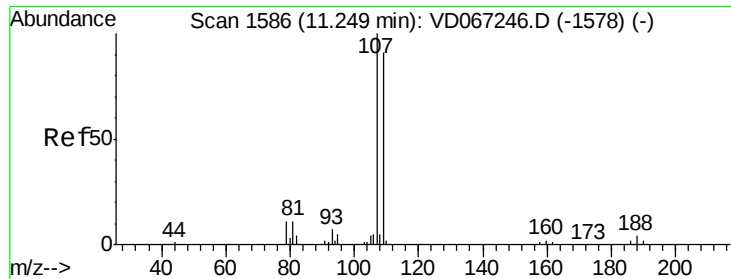
Tgt Ion: 129 Resp: 63783

Ion Ratio Lower Upper

129 100

127 73.4 38.3 114.8





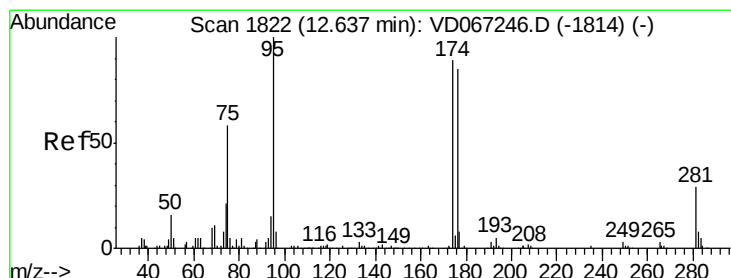
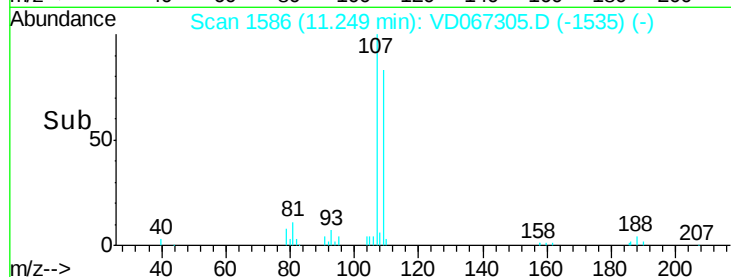
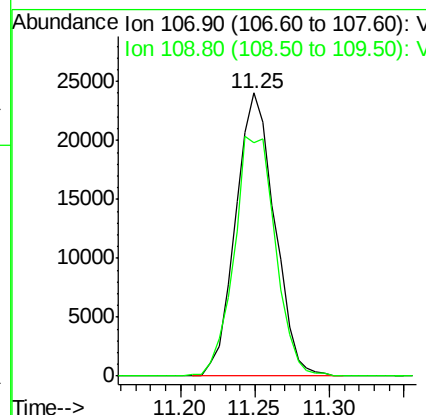
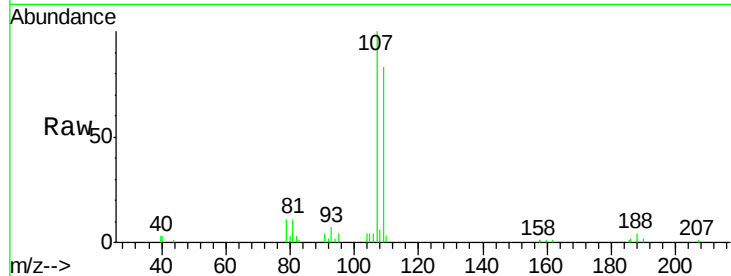
#61
 1,2-Dibromoethane
 Concen: 20.896 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067305.D
 Acq: 19 Oct 2020 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1019SBS01

Tot Ion: 107 Resp: 43662
 Ion Ratio Lower Upper
 107 100
 109 89.8 74.6 112.0

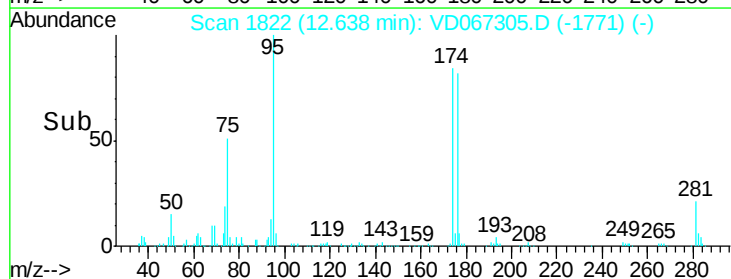
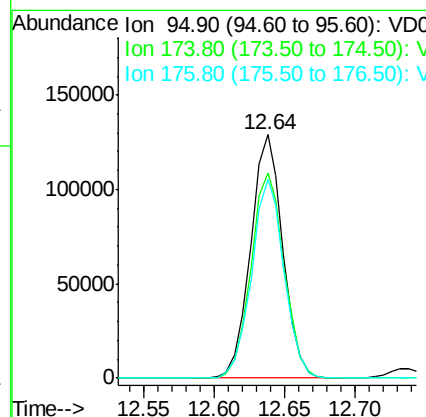
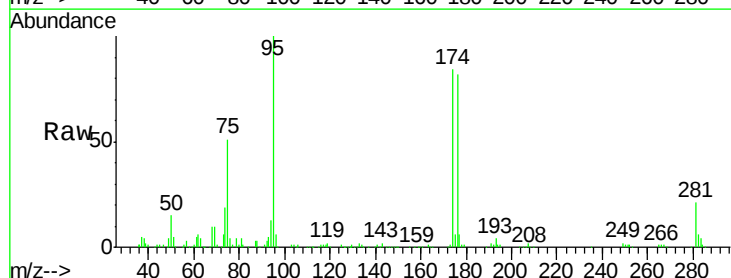
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 53.113 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067305.D
 Acq: 19 Oct 2020 13:29

Tgt Ion: 95 Resp: 205906
 Ion Ratio Lower Upper
 95 100
 174 86.9 0.0 175.2
 176 82.5 0.0 168.6





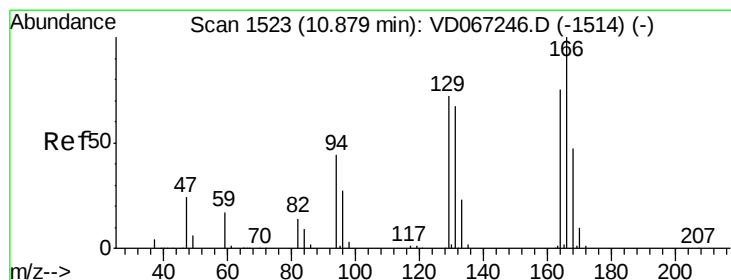
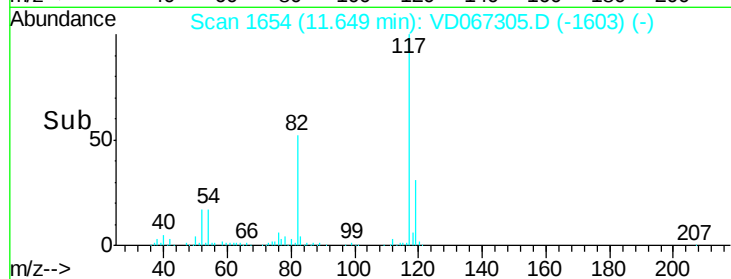
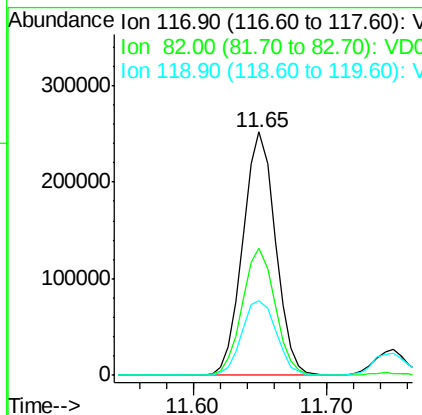
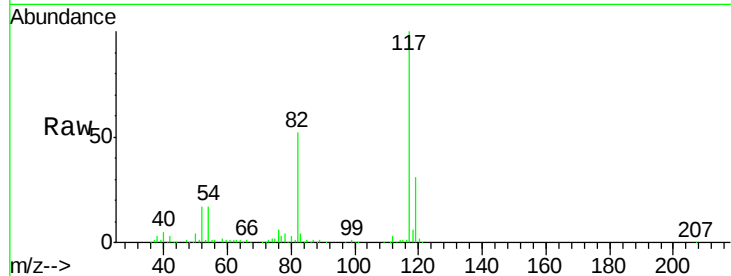
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067305.D
Acq: 19 Oct 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD1019SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	39.9	59.9
119	30.8	24.9	37.3

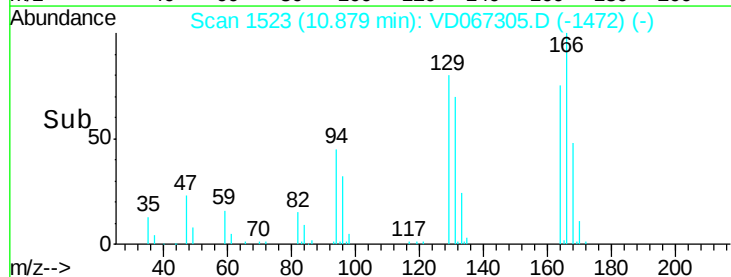
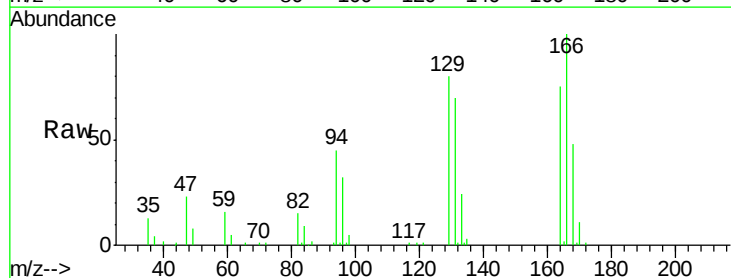
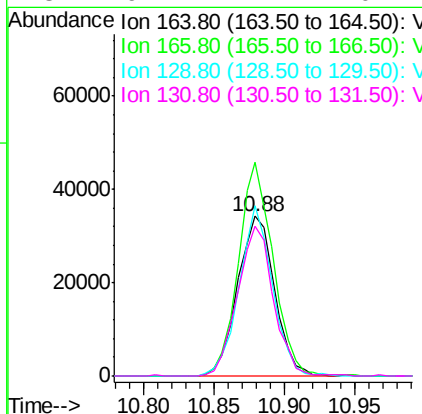
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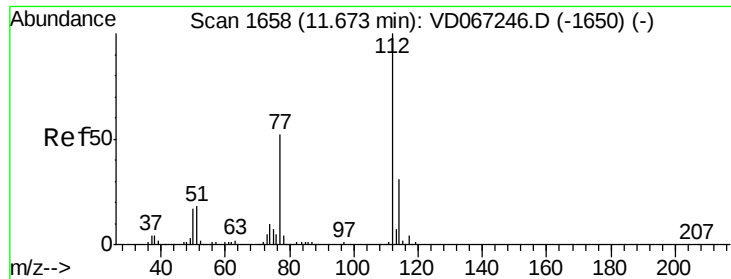
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#64
Tetrachloroethene
Concen: 20.326 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067305.D
Acq: 19 Oct 2020 13:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.9	107.3	160.9
129	106.6	77.3	115.9
131	94.2	71.4	107.2





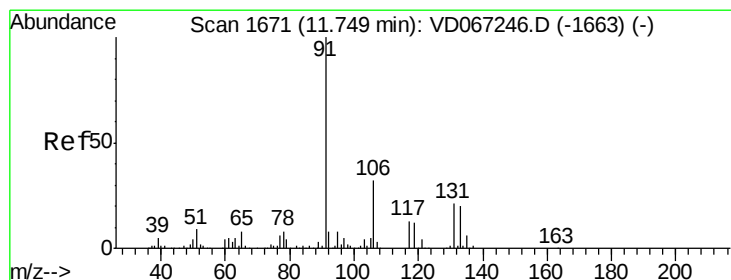
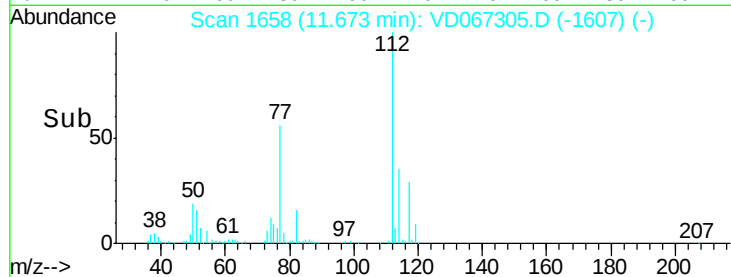
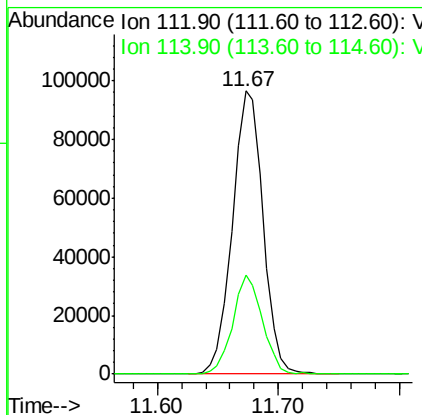
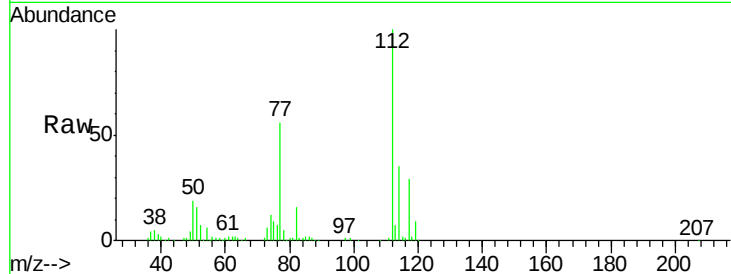
#65
Chlorobenzene
Concen: 20.818 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067305.D
Acq: 19 Oct 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD1019SBS01

Tot Ion:112 Resp: 170108
Ion Ratio Lower Upper
112 100
114 35.0 25.0 37.4

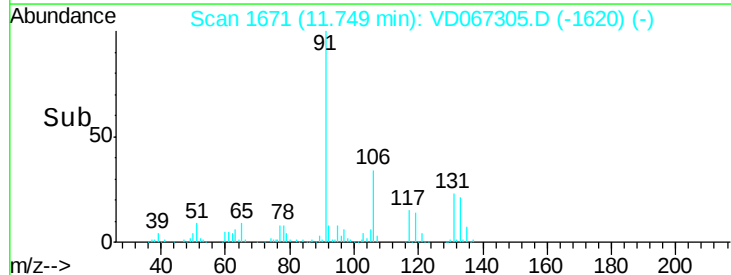
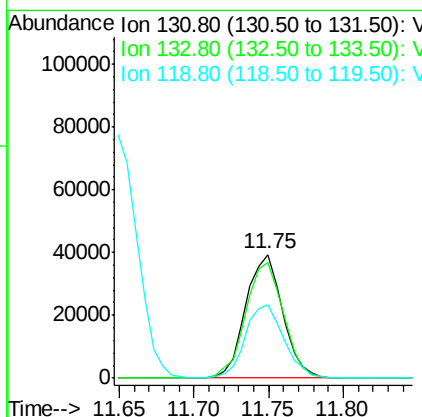
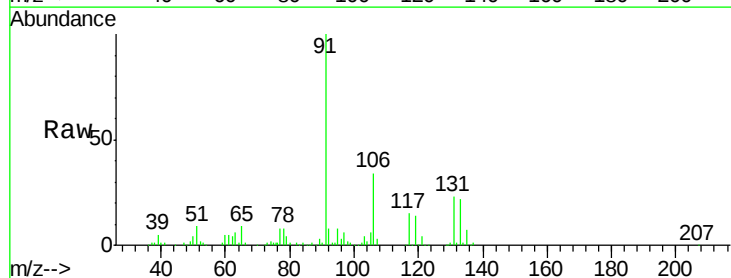
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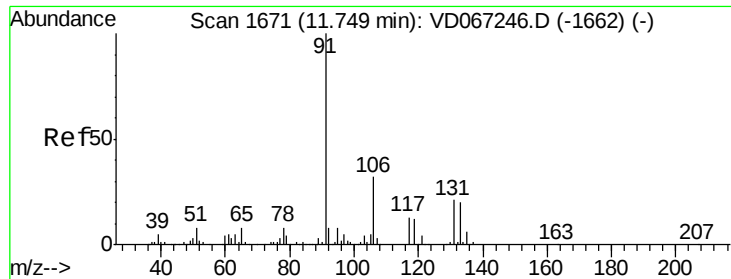
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.642 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067305.D
Acq: 19 Oct 2020 13:29

Tgt Ion:131 Resp: 67034
Ion Ratio Lower Upper
131 100
133 96.5 48.1 144.3
119 61.6 30.0 90.0





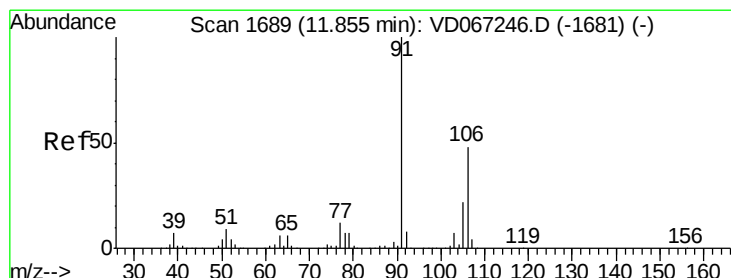
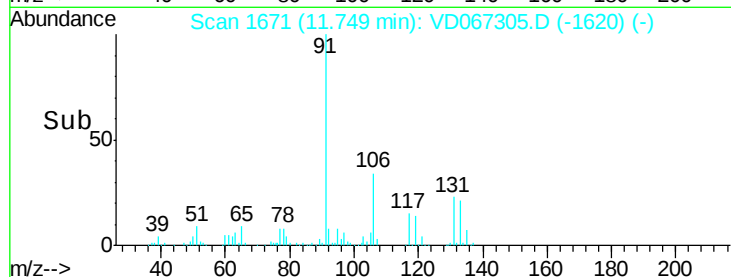
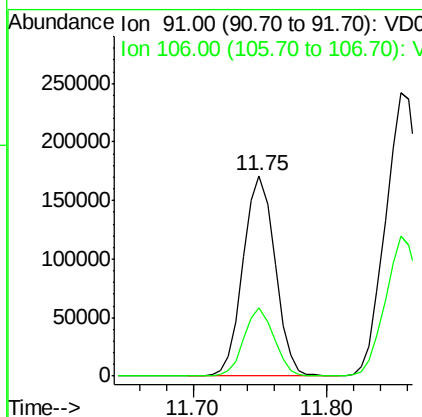
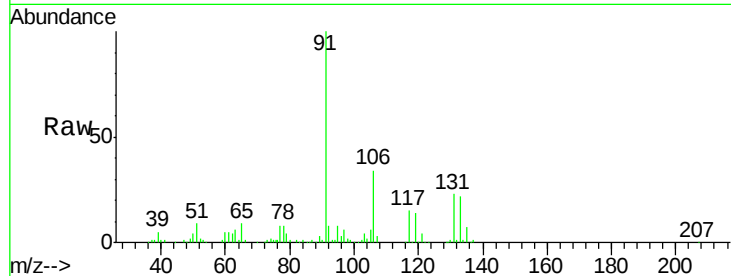
#67
Ethyl Benzene
Concen: 20.280 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067305.D
Acq: 19 Oct 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD1019SBS01

Tot Ion: 91 Resp: 284053
Ion Ratio Lower Upper
91 100
106 34.2 25.4 38.0

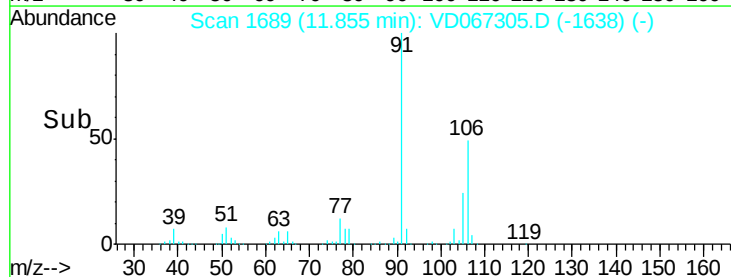
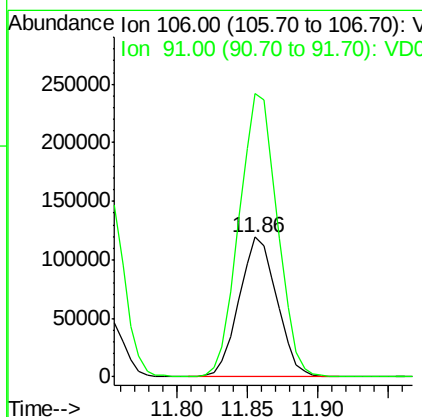
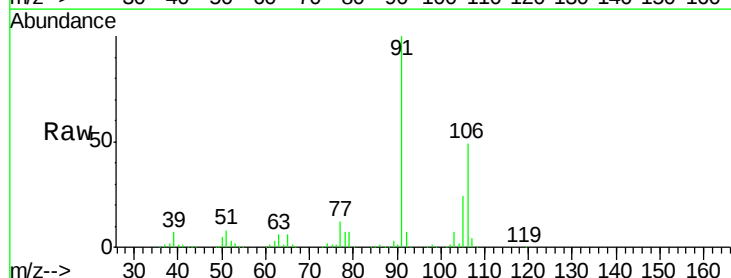
Manual Integrations
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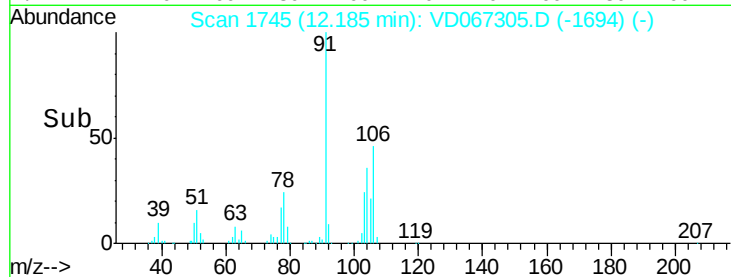
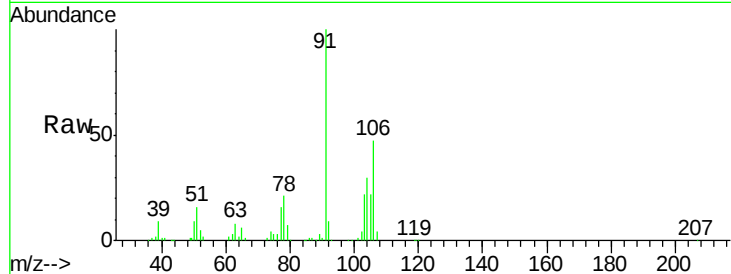
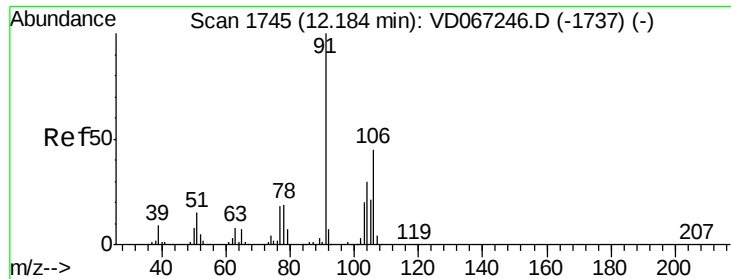
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#68
m/p-Xylenes
Concen: 41.676 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067305.D
Acq: 19 Oct 2020 13:29

Tgt Ion: 106 Resp: 224792
Ion Ratio Lower Upper
106 100
91 204.8 163.8 245.8





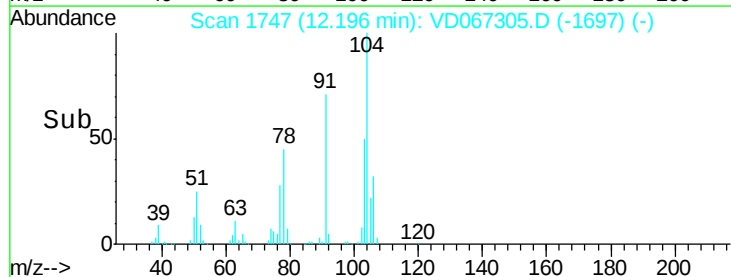
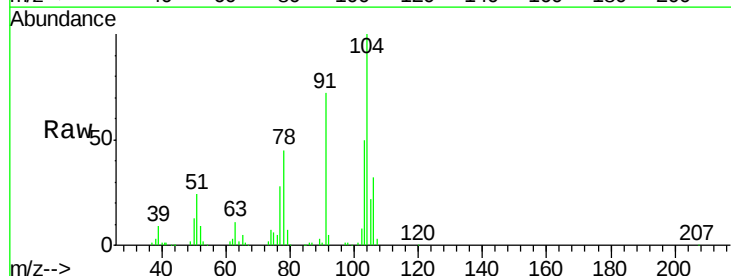
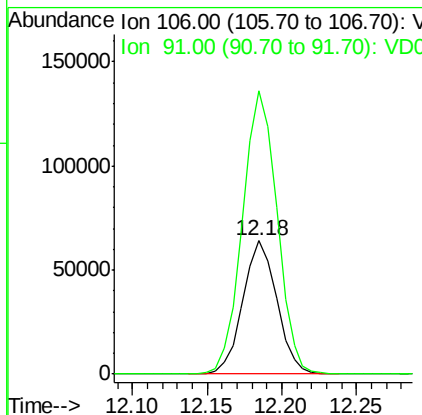
#69
o-Xylene
Concen: 20.255 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067305.D
Acq: 19 Oct 2020 13:29

Tot Ion	Ratio	Resp	Lower	Upper
106	100	101168		
91	215.8	109.1	327.3	

Instrument :
MSVOA_D
ClientSampleId :
VD1019SBS01

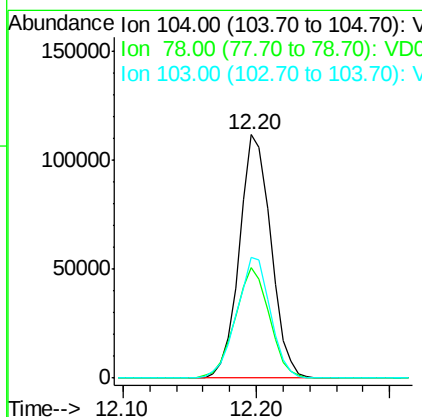
Manual Integrations
APPROVED

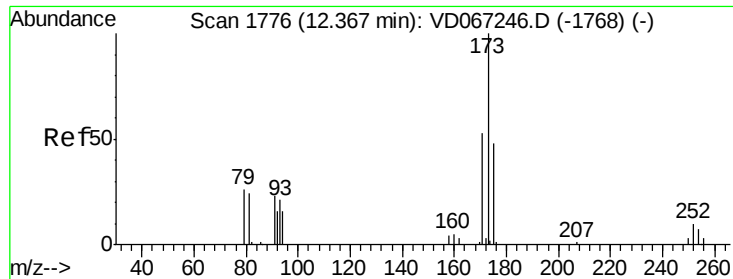
MMDadoda
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#70
Styrene
Concen: 21.264 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067305.D
Acq: 19 Oct 2020 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	182826		
78	49.4	39.8	59.6	
103	53.3	42.6	64.0	





#71

Bromoform

Concen: 19.919 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067305.D

Acq: 19 Oct 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD1019SBS01

Tot Ion:173 Resp: 34751

Ion Ratio Lower Upper

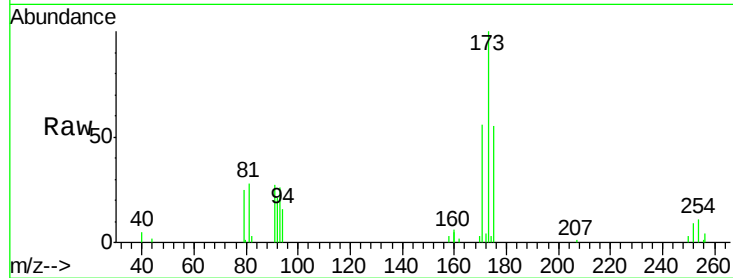
173 100

175 52.7 24.2 72.6

254 0.0 0.1 0.1#

Manual Integrations
APPROVED

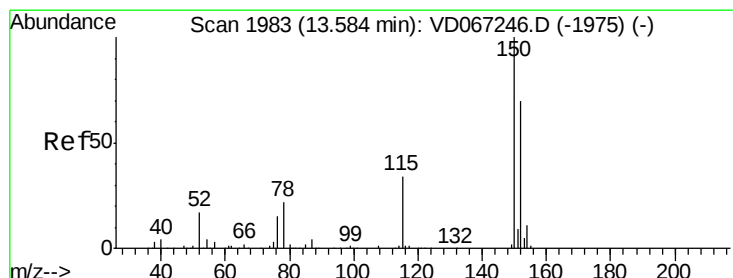
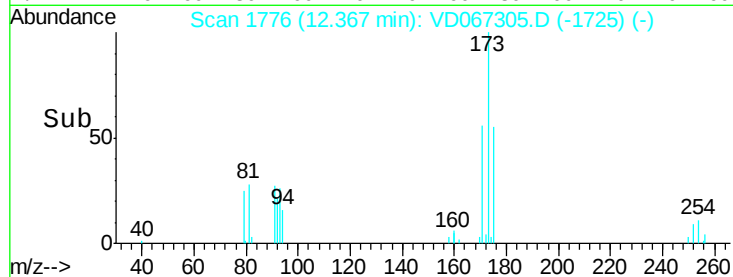
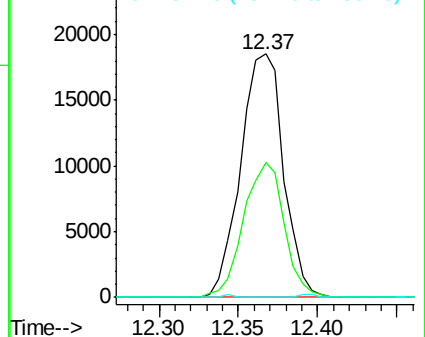
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067305.D

Acq: 19 Oct 2020 13:29

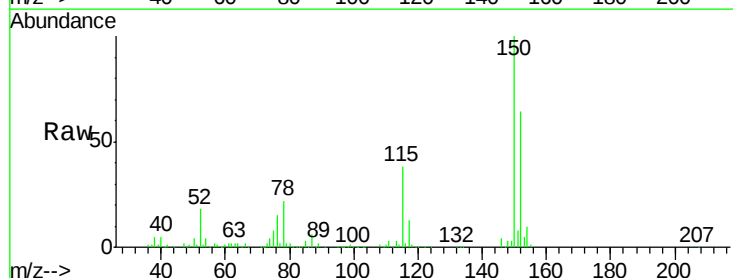
Tgt Ion:152 Resp: 220636

Ion Ratio Lower Upper

152 100

115 59.6 29.3 87.9

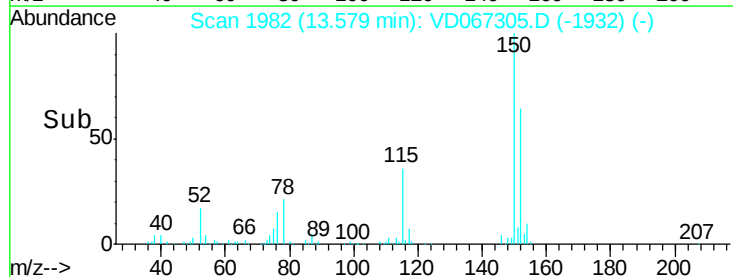
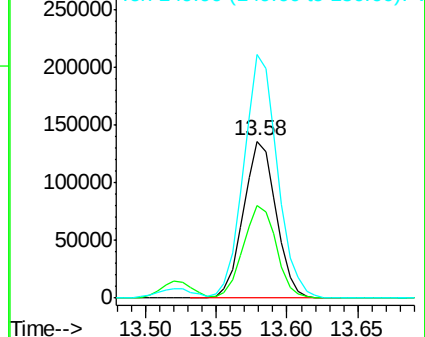
150 160.2 0.0 339.0

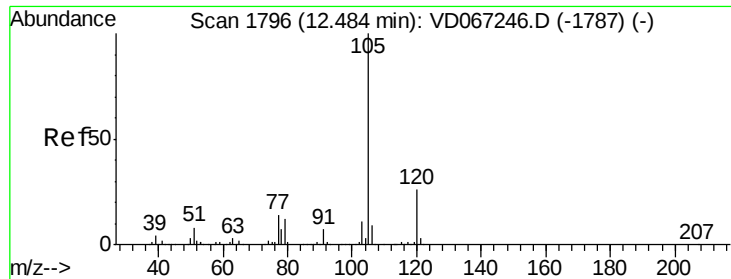


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.461 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067305.D

Acq: 19 Oct 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD1019SBS01

Tot Ion: 105 Resp: 286520

Ion Ratio Lower Upper

105 100

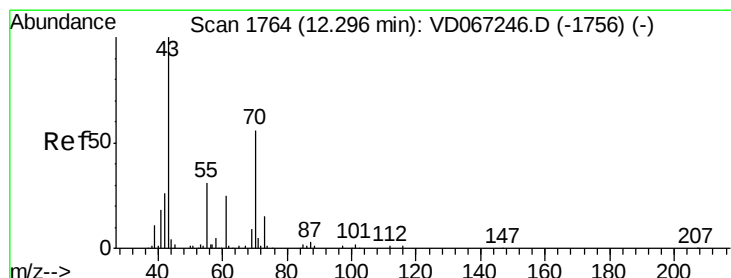
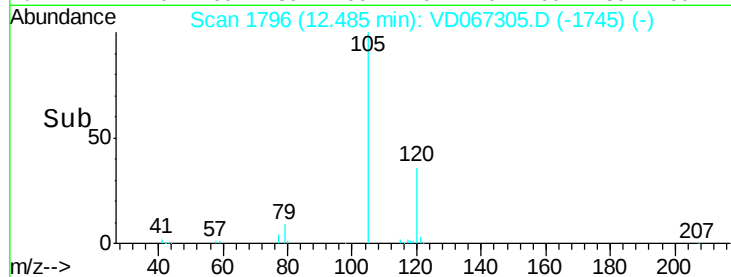
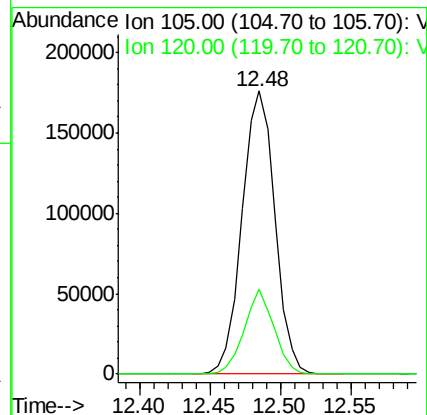
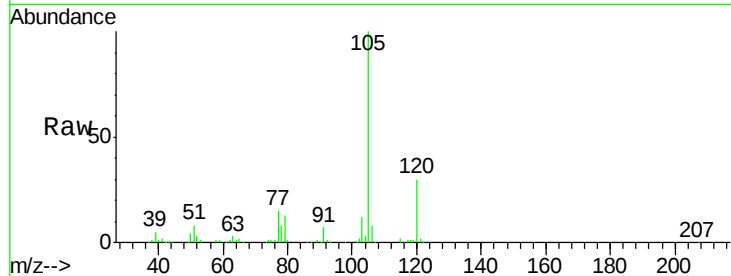
120 27.2 13.3 39.8

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#74

N-ethyl acetate

Concen: 19.953 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067305.D

Acq: 19 Oct 2020 13:29

Tgt Ion: 43 Resp: 42199

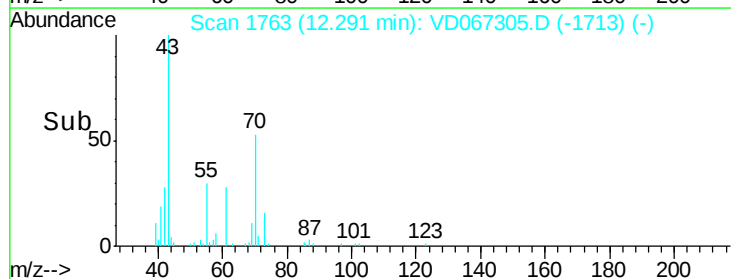
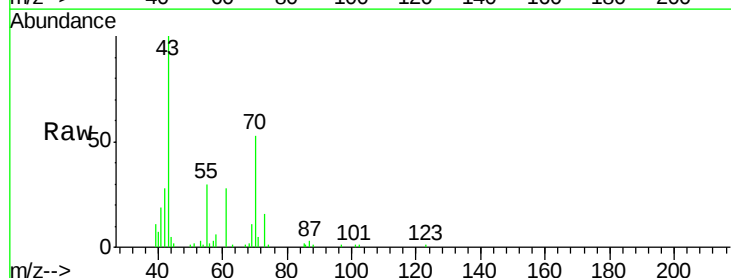
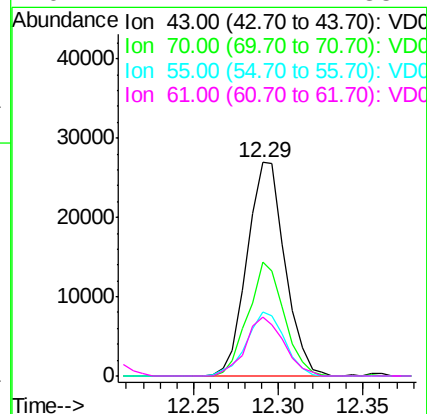
Ion Ratio Lower Upper

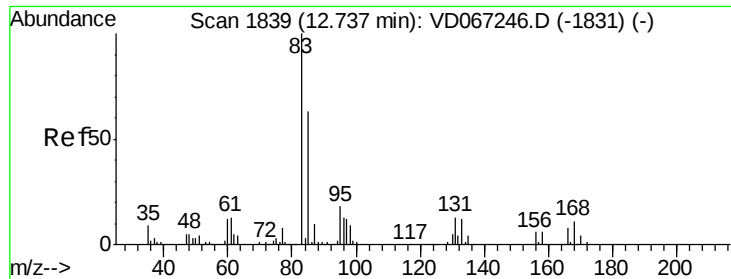
43 100

70 50.6 42.7 64.1

55 30.1 24.0 36.0

61 27.7 22.2 33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.841 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD067305.D

Acq: 19 Oct 2020 13:29

Instrument :

MSVOA_D

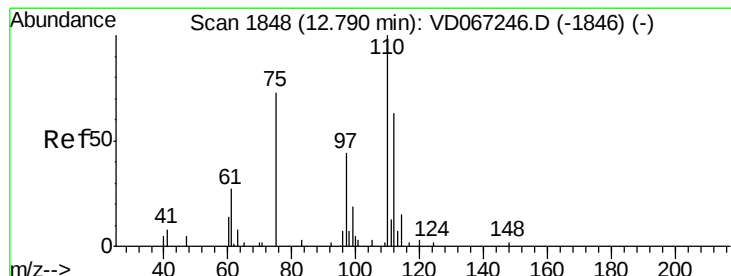
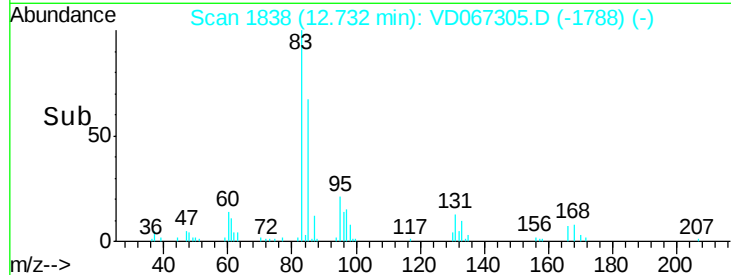
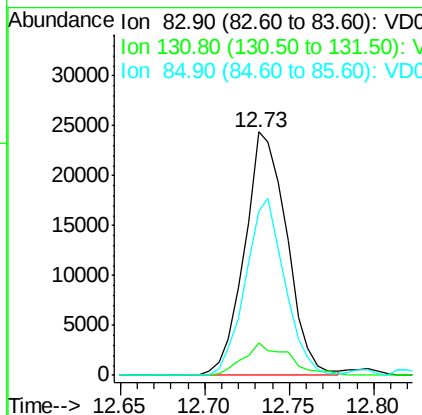
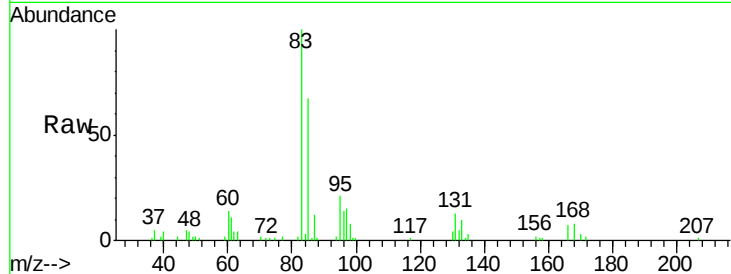
ClientSampleId :

VD1019SBS01

Tot Ion:	83	Resp:	42570
Ion Ratio	Lower	Upper	
83	100		
131	14.3	6.5	19.5
85	67.5	32.6	97.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.263 ug/l m

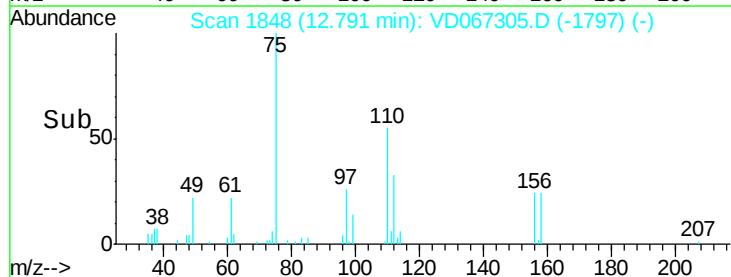
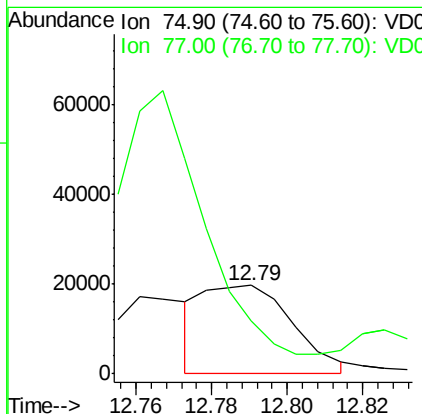
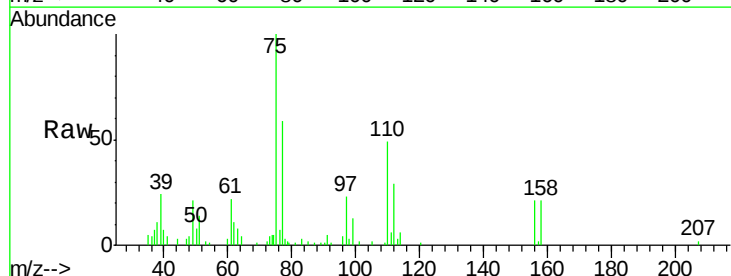
RT: 12.79 min Scan# 1848

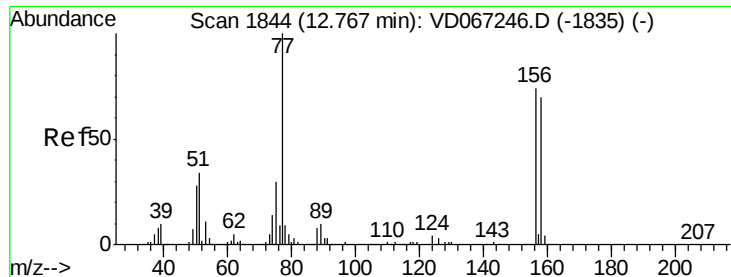
Delta R.T. 0.00 min

Lab File: VD067305.D

Acq: 19 Oct 2020 13:29

Tgt Ion:	75	Resp:	32515
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.321 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067305.D

Acq: 19 Oct 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD1019SBS01

Tot Ion:156 Resp: 70943

Ion Ratio Lower Upper

156 100

77 158.6 78.0 233.8

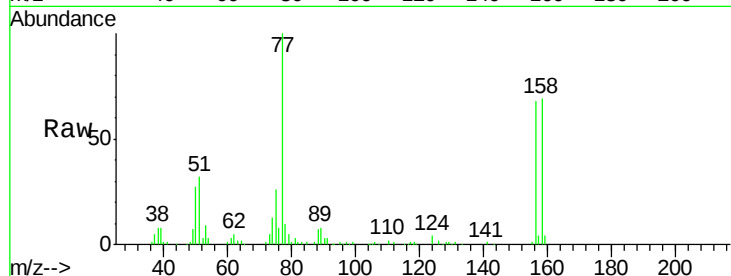
158 97.7 49.1 147.3

Manual Integrations

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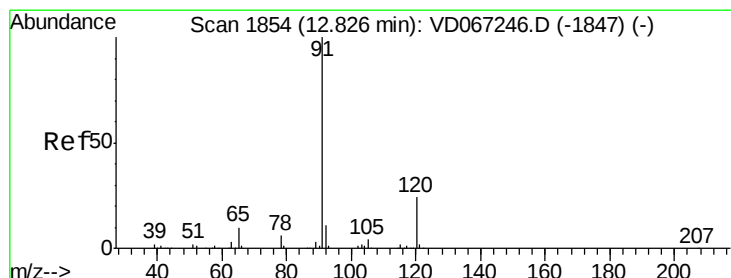
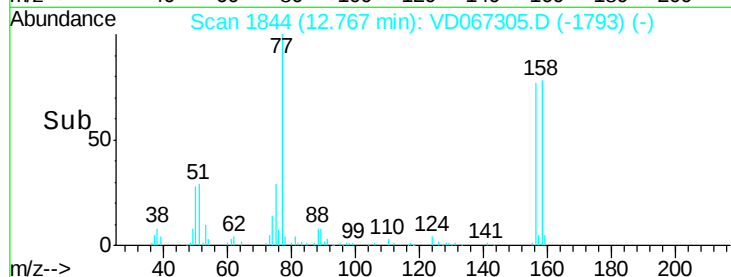
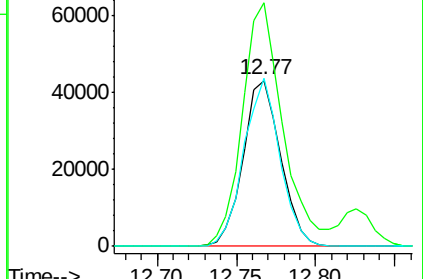
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.496 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067305.D

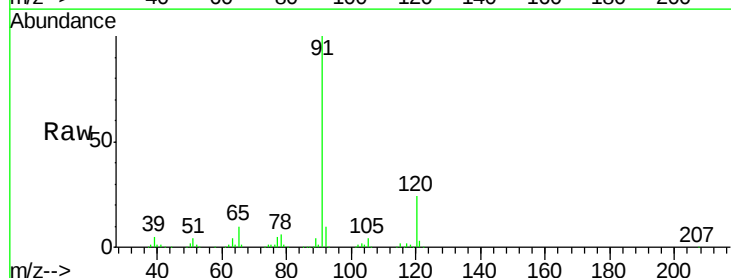
Acq: 19 Oct 2020 13:29

Tgt Ion: 91 Resp: 332539

Ion Ratio Lower Upper

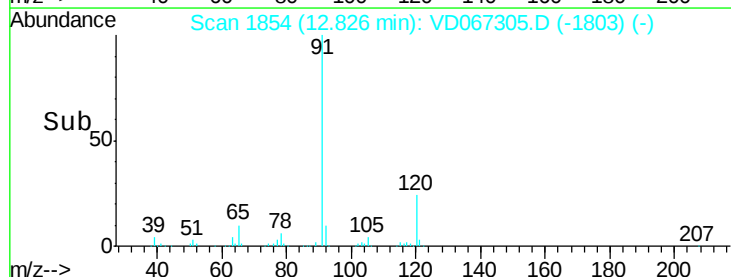
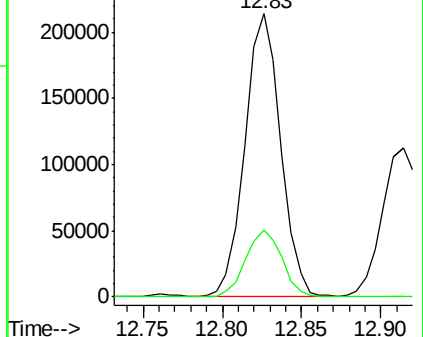
91 100

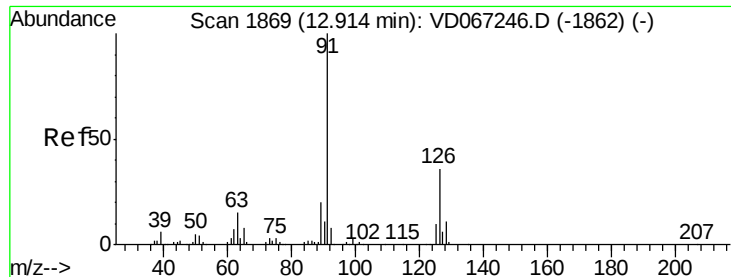
120 24.1 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





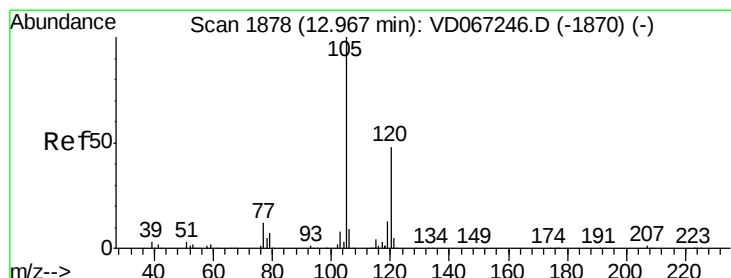
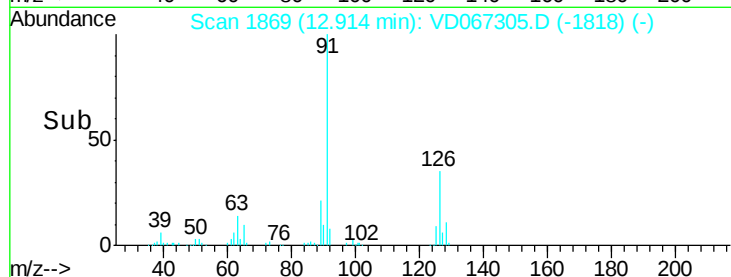
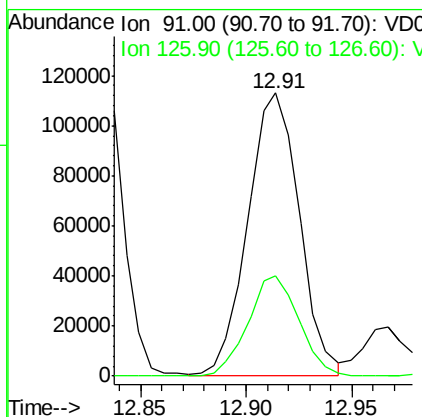
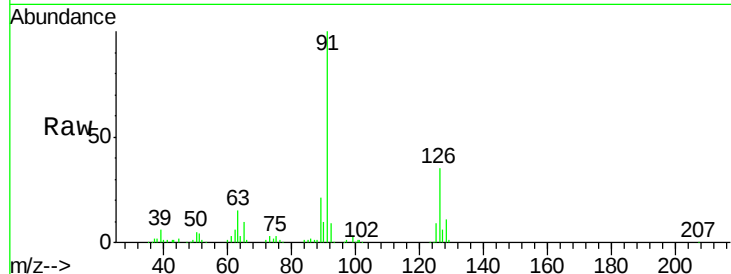
#79
 2-Chlorotoluene
 Concen: 20.330 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD067305.D
 Acq: 19 Oct 2020 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1019SBS01

Tot Ion: 91 Resp: 191284
 Ion Ratio Lower Upper
 91 100
 126 35.1 17.6 52.8

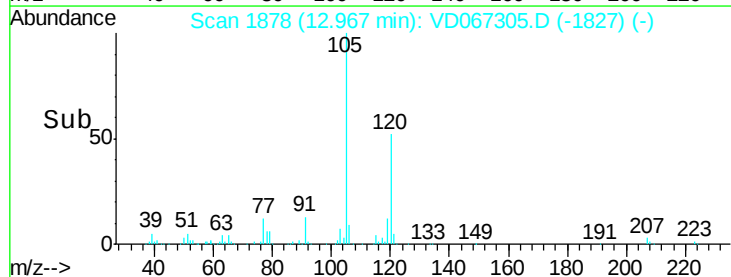
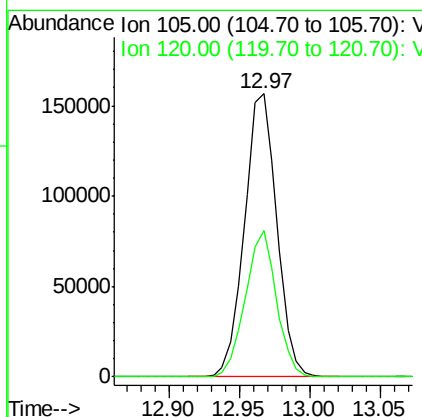
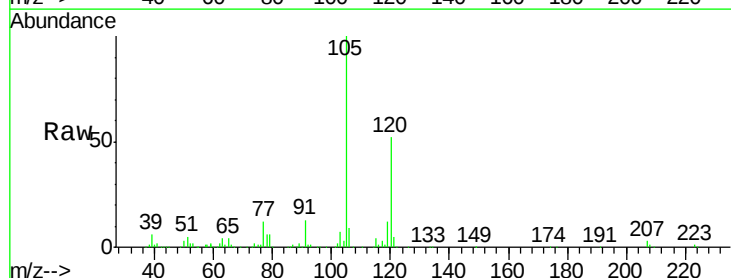
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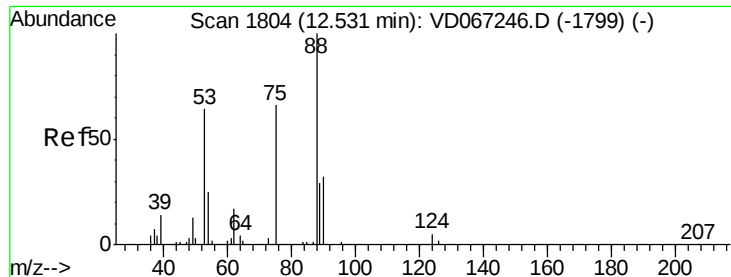
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.652 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD067305.D
 Acq: 19 Oct 2020 13:29

Tgt Ion: 105 Resp: 251302
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.3 72.8





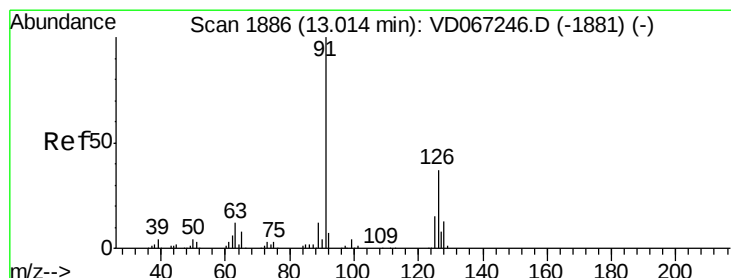
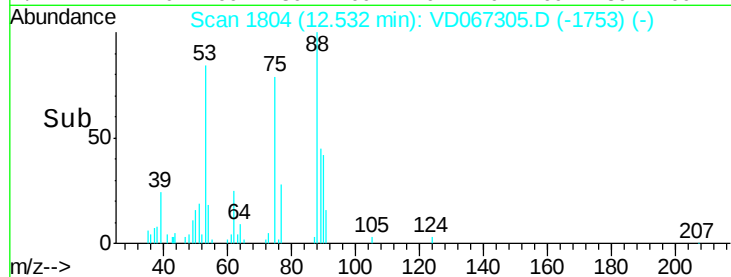
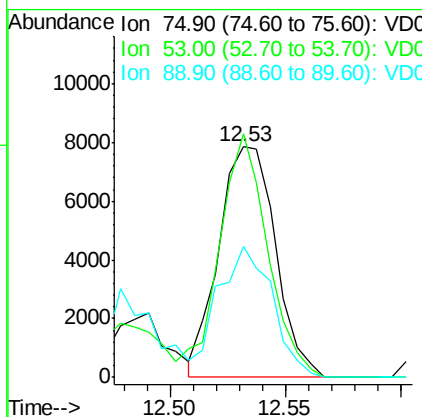
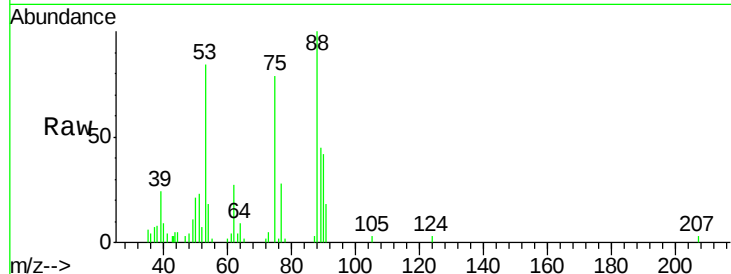
#81
trans-1,4-Dichloro-2-butene
Concen: 19.852 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067305.D
Acq: 19 Oct 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD1019SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.3	78.5	117.7
89	54.5	39.9	59.9

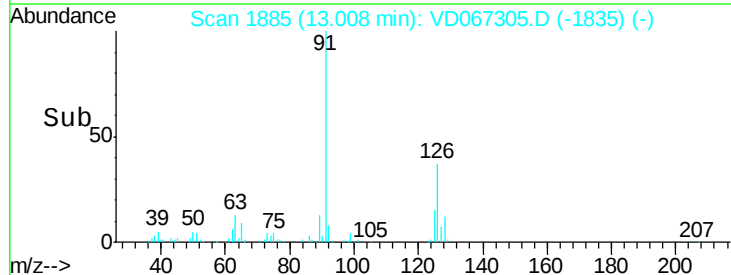
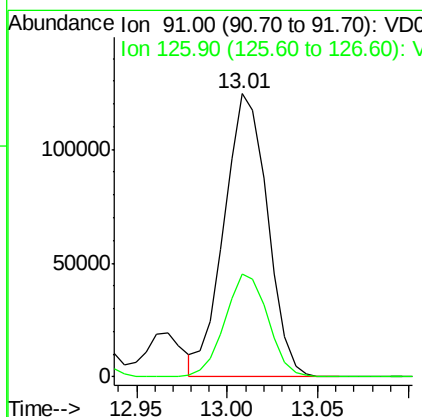
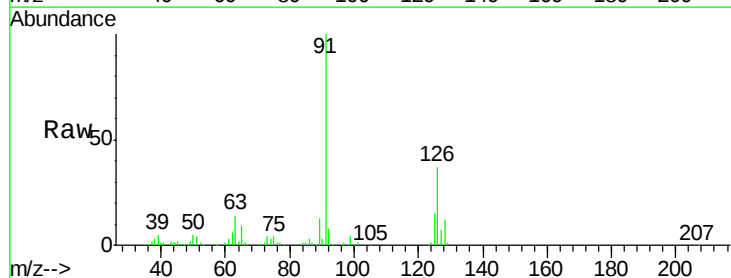
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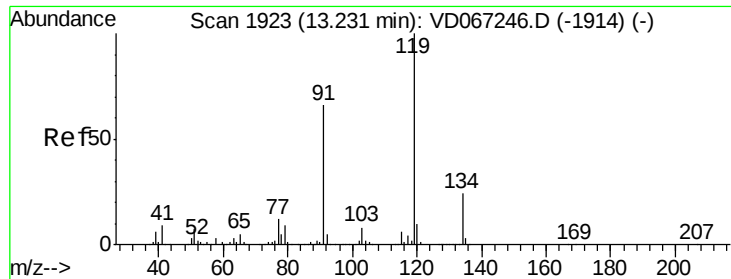
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.709 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD067305.D
Acq: 19 Oct 2020 13:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.3	17.8	53.5





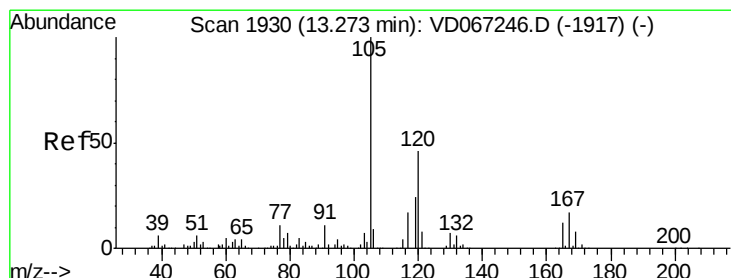
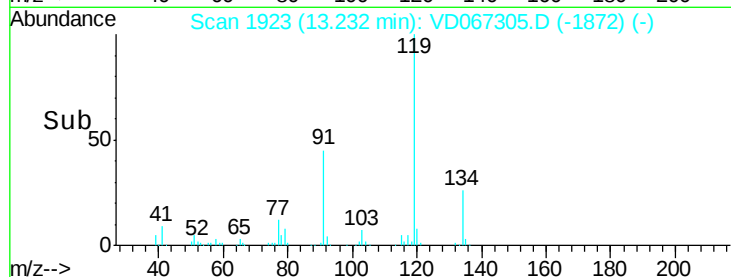
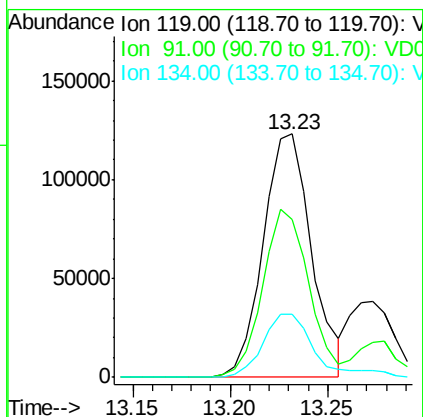
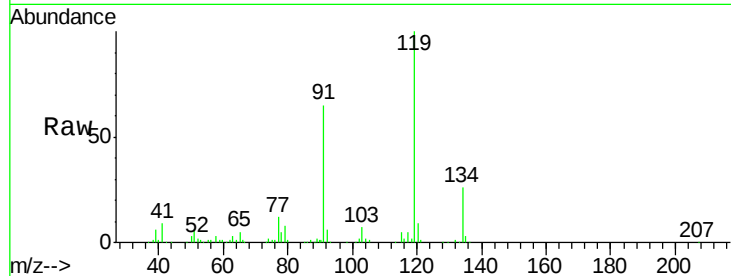
#83
tert-Butylbenzene
Concen: 20.574 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD067305.D
Acq: 19 Oct 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD1019SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.8	33.1	99.2
134	27.8	13.3	39.9

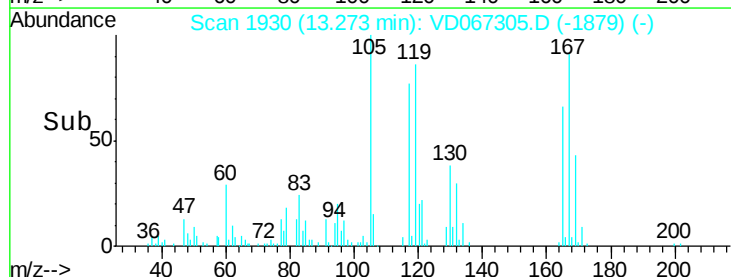
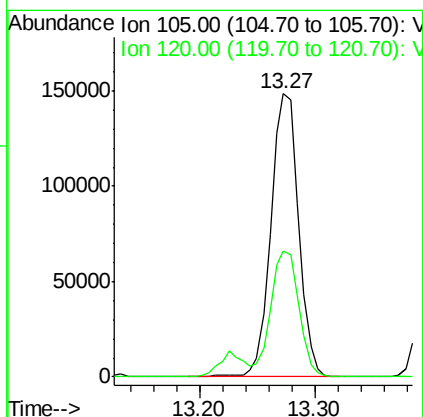
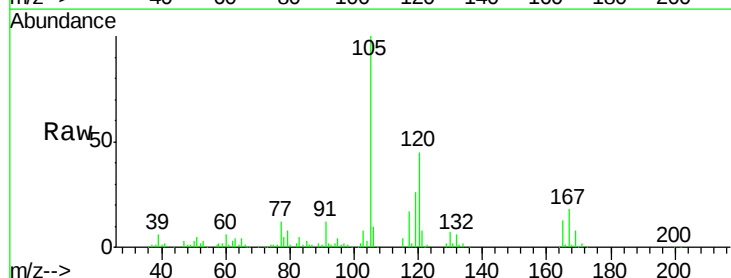
Manual Integrations
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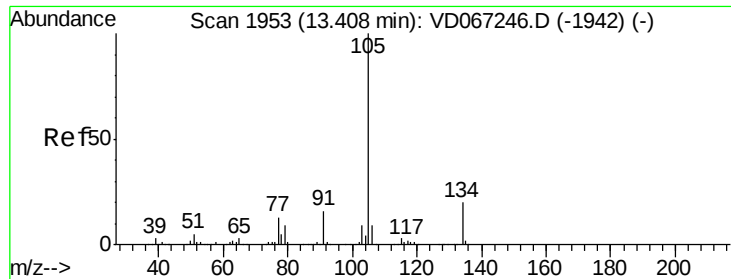
MMDadoda
10/20/2020 4:51:01 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.649 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067305.D
Acq: 19 Oct 2020 13:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.4	67.3





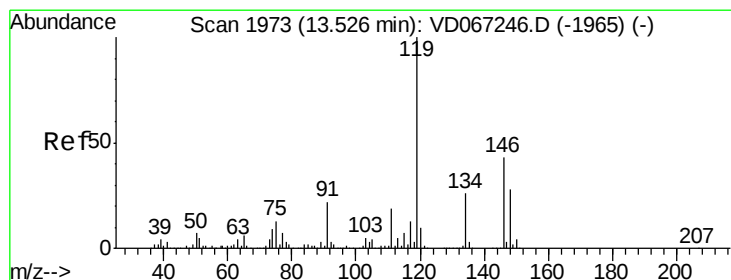
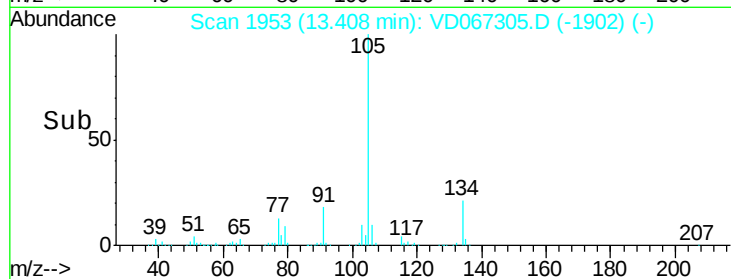
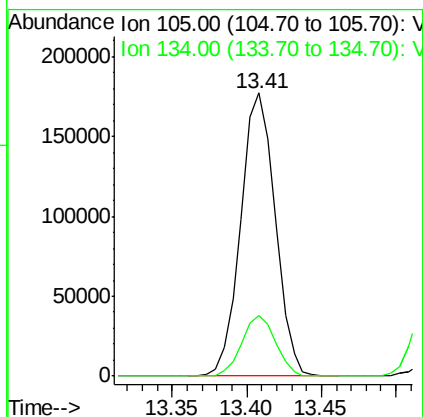
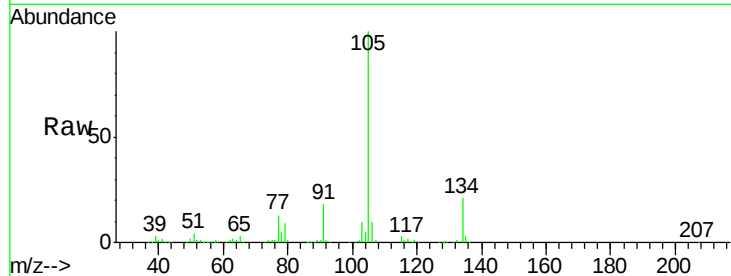
#85
 sec-Butylbenzene
 Concen: 20.150 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067305.D
 Acq: 19 Oct 2020 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1019SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.0	10.5	31.5

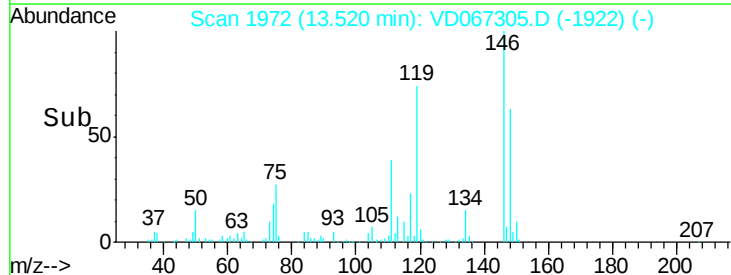
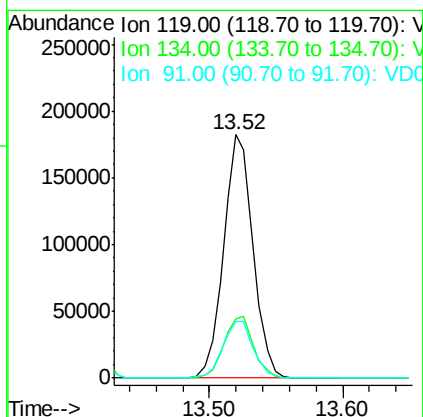
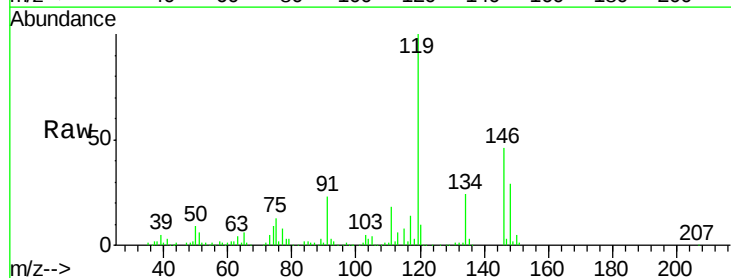
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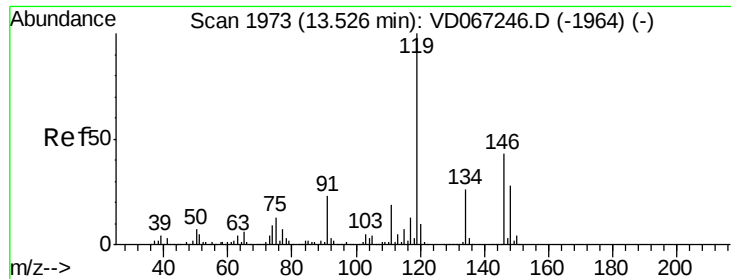
MMDadoda
 10/20/2020 4:51:01 PM



#86
 p-Isopropyltoluene
 Concen: 21.018 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067305.D
 Acq: 19 Oct 2020 13:29

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	13.1	39.3
91	24.4	11.9	35.9





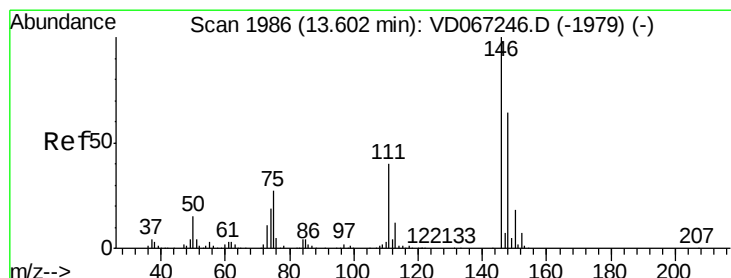
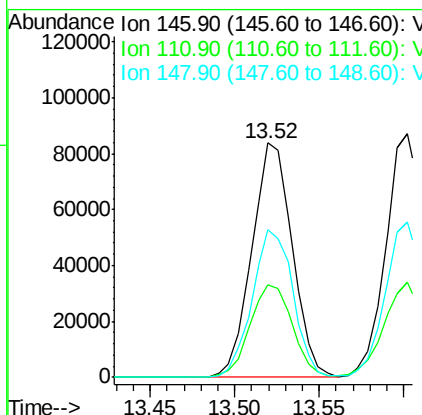
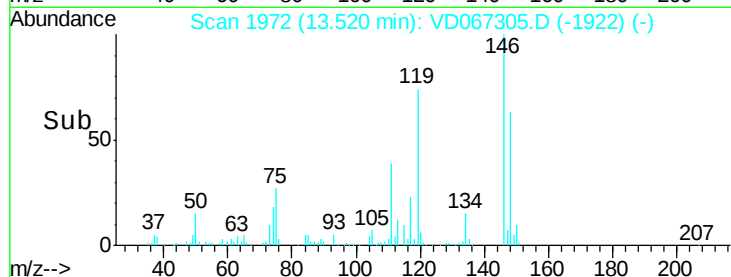
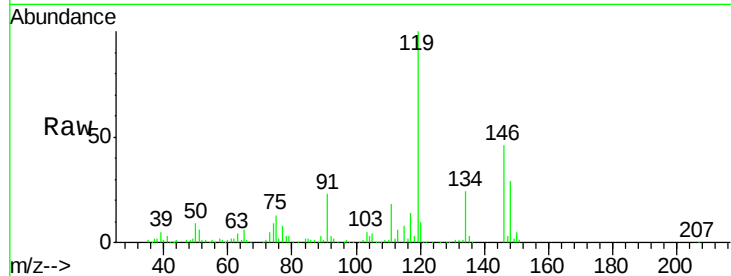
#87
 1,3-Dichlorobenzene
 Concen: 20.701 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067305.D
 Acq: 19 Oct 2020 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1019SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	21.1	63.3
148	63.2	31.9	95.9

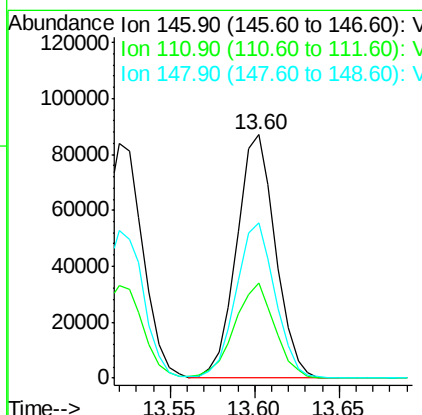
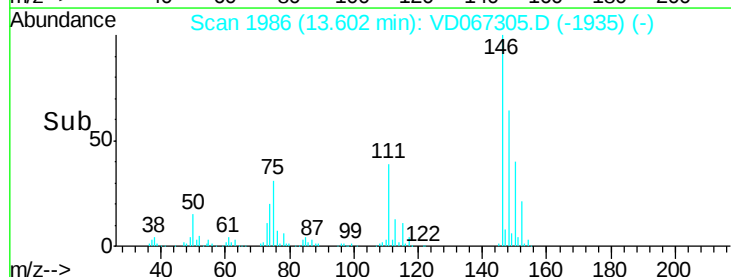
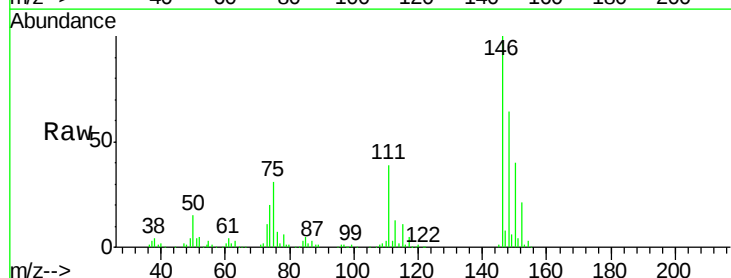
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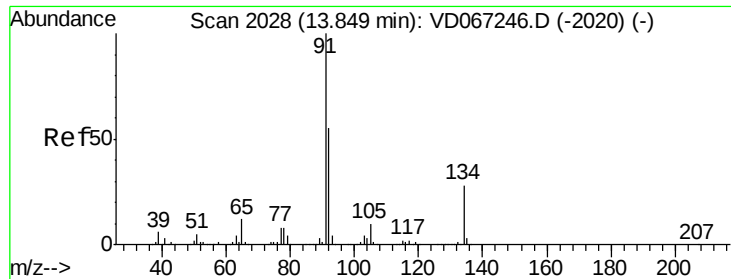
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 10/20/2020 4:51:01 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.948 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067305.D
 Acq: 19 Oct 2020 13:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.9	59.7
148	64.3	31.9	95.9





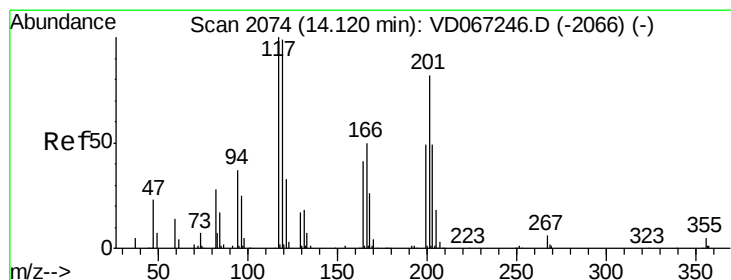
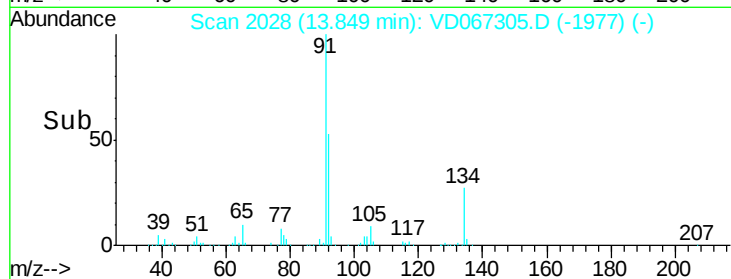
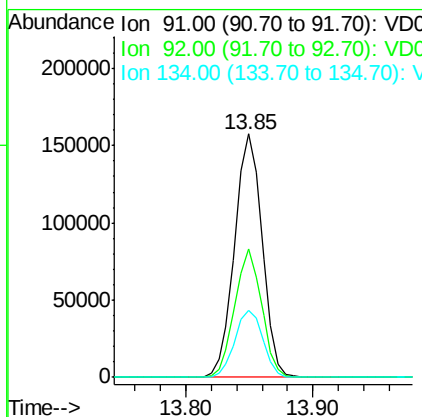
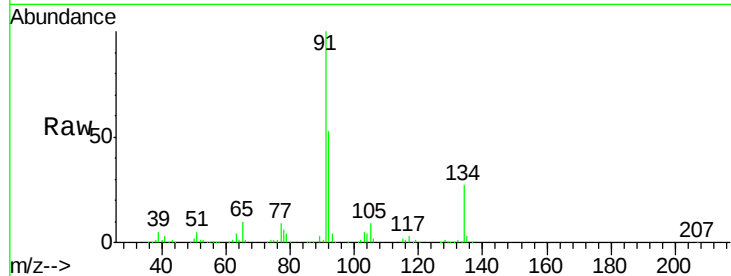
#89
n-Butylbenzene
Concen: 20.214 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067305.D
Acq: 19 Oct 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD1019SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	26.7	80.0
134	28.1	14.2	42.6

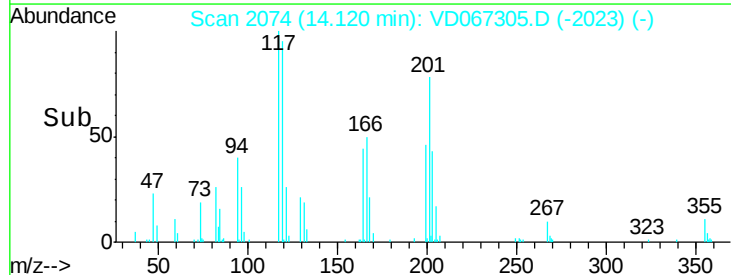
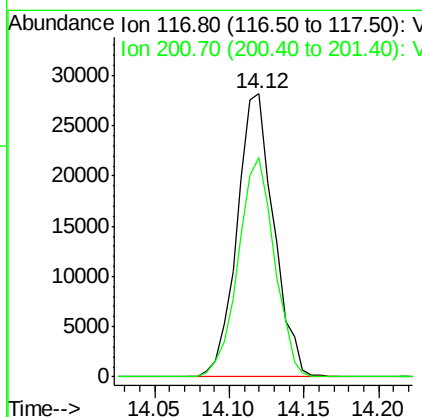
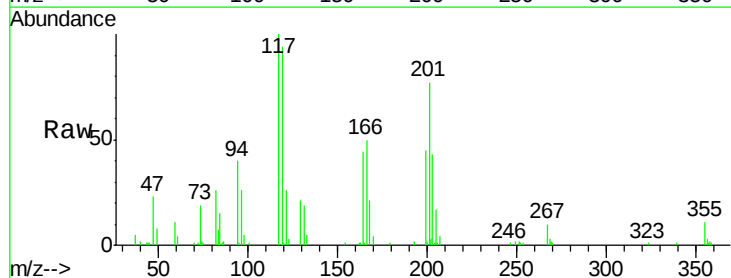
Manual Integrations
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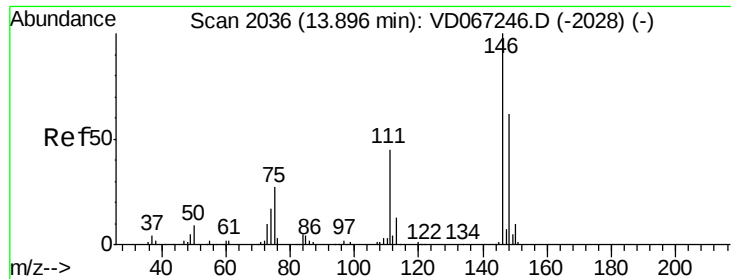
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#90
Hexachloroethane
Concen: 20.756 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067305.D
Acq: 19 Oct 2020 13:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.8	40.8	122.2





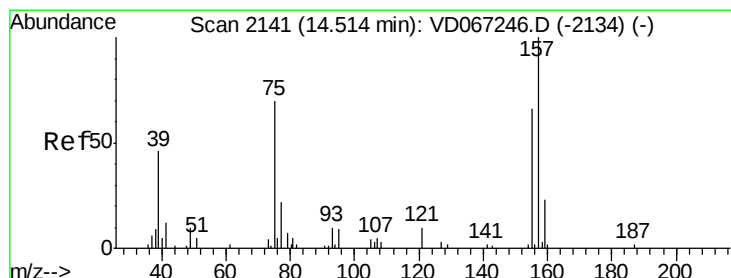
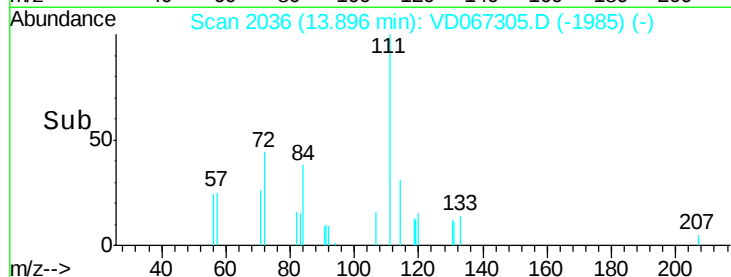
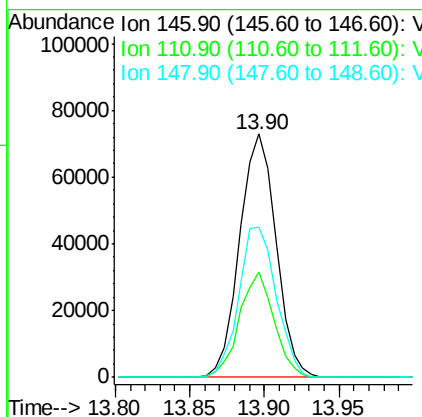
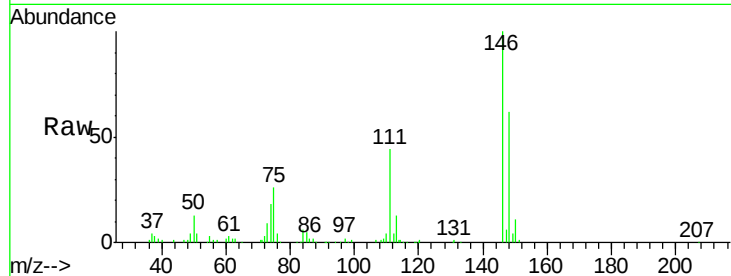
#91
 1,2-Dichlorobenzene
 Concen: 21.055 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067305.D
 Acq: 19 Oct 2020 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1019SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	22.0	66.0
148	63.5	32.5	97.5

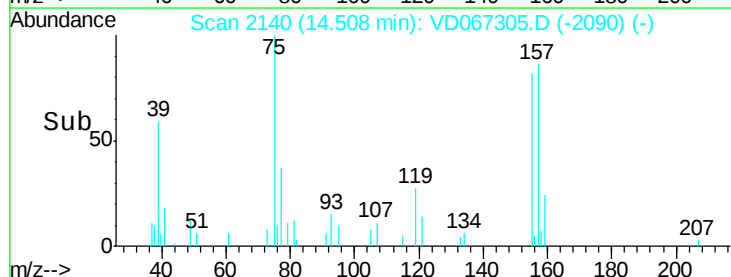
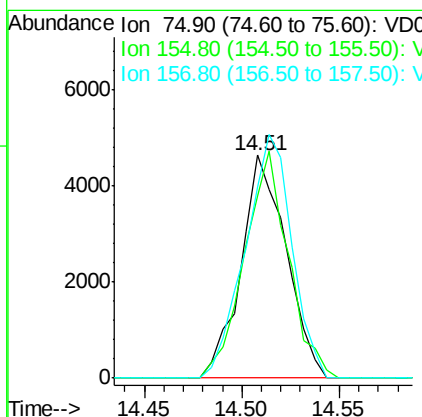
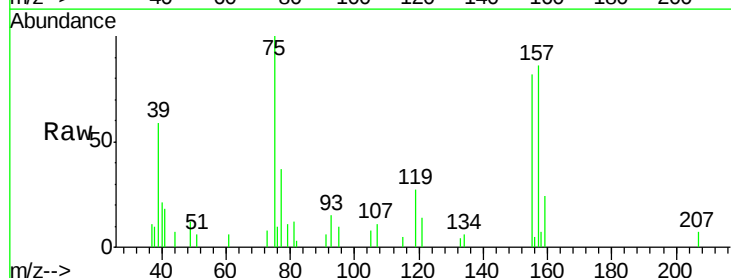
Manual Integrations
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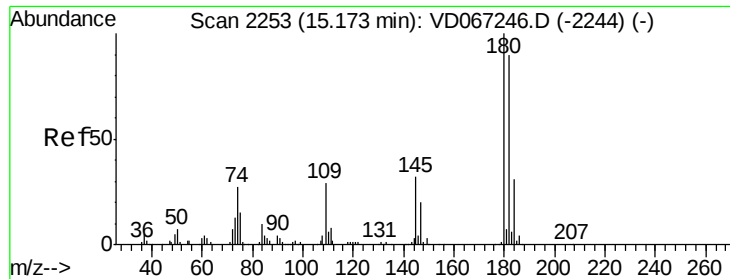
MMDadoda
 10/20/2020 4:51:01 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.087 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067305.D
 Acq: 19 Oct 2020 13:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.9	44.8	134.4
157	112.6	62.5	187.4





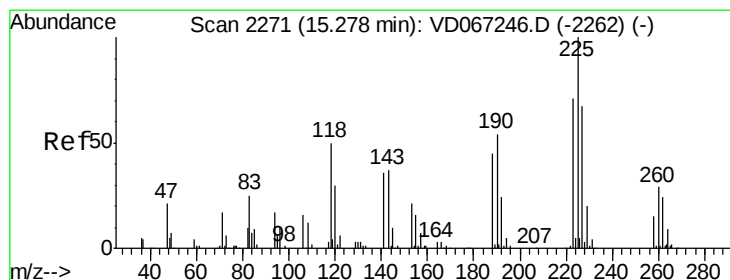
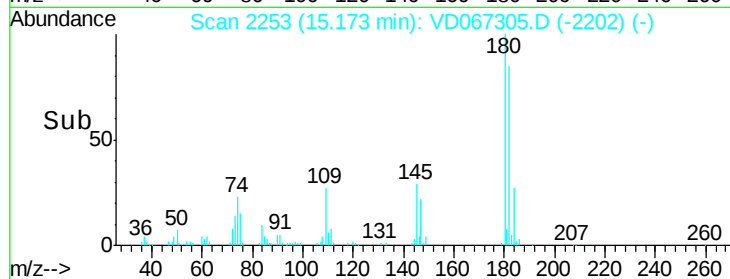
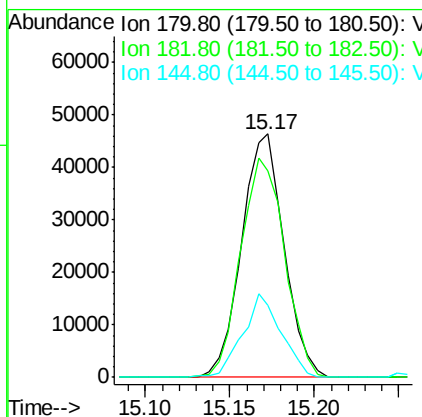
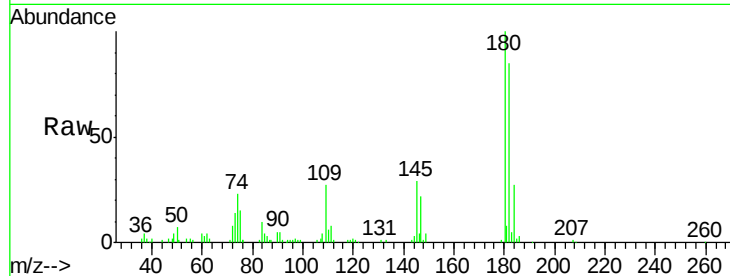
#93
 1,2,4-Trichlorobenzene
 Concen: 20.446 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067305.D
 Acq: 19 Oct 2020 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1019SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.6	48.1	144.4
145	31.1	16.3	48.9

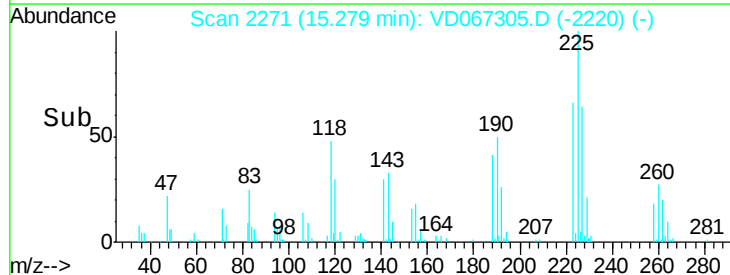
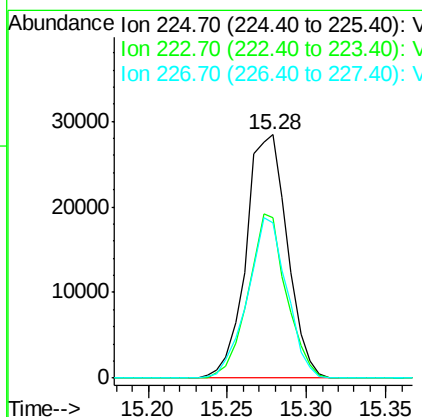
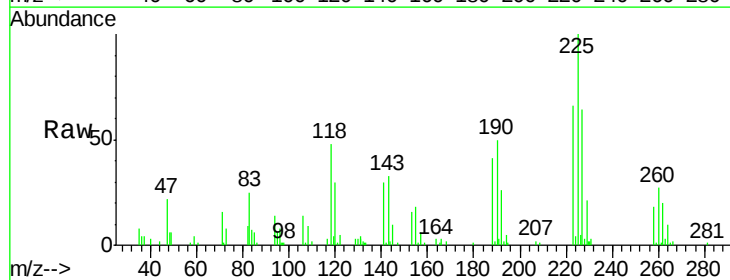
Manual Integrations
 APPROVED

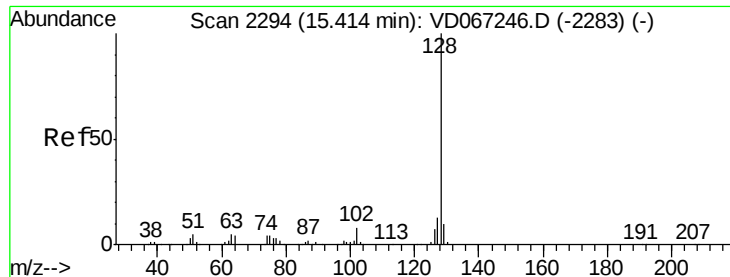
MMDadoda
 10/20/2020 4:51:01 PM



#94
 Hexachlorobutadiene
 Concen: 20.913 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD067305.D
 Acq: 19 Oct 2020 13:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	31.9	95.7
227	62.5	31.2	93.6





#95

Naphthalene

Concen: 19.568 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VD067305.D

Acq: 19 Oct 2020 13:29

Instrument :

MSVOA_D

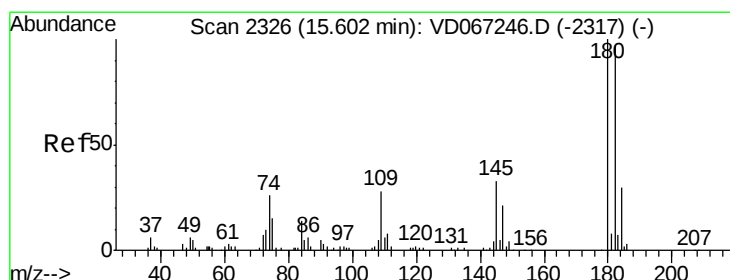
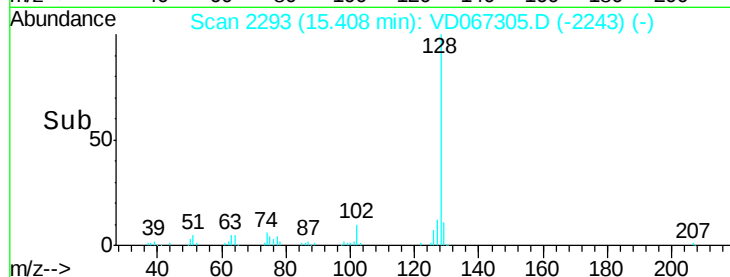
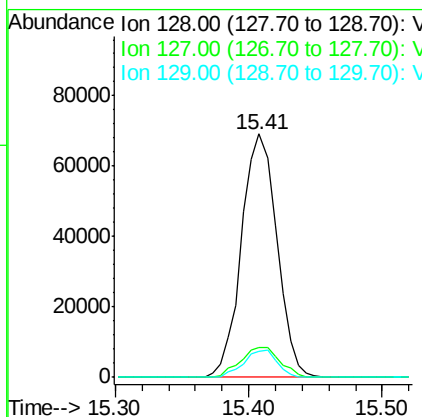
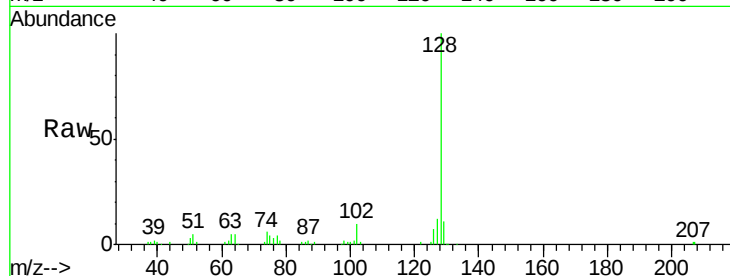
ClientSampleId :

VD1019SBS01

Tot Ion:	128	Resp:	127151
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.4	15.6
129	10.6	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/20/2020 4:51:01 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.907 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD067305.D

Acq: 19 Oct 2020 13:29

Tgt Ion:	180	Resp:	68066
Ion Ratio	Lower	Upper	
180	100		
182	97.7	48.1	144.3
145	34.1	17.3	51.9

