

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100720\
 Data File : VD067167.D
 Acq On : 07 Oct 2020 23:18
 Operator : VA/SY
 Sample : VD1007SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS02

Manual Integrations
 APPROVED

MMDadoda
 10/8/2020 5:39:37 PM

Quant Time: Oct 08 08:39:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	342775	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	549170	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	506519	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	250485	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	167373	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
35) Dibromofluoromethane	7.92	113	179542	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
50) Toluene-d8	10.34	98	655653	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
62) 4-Bromofluorobenzene	12.64	95	230996	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	70627	22.908	ug/l	94
3) Chloromethane	2.21	50	53793	19.706	ug/l	95
4) Vinyl Chloride	2.35	62	54051	19.747	ug/l	99
5) Bromomethane	2.76	94	42393	21.565	ug/l	99
6) Chloroethane	2.92	64	34603	20.759	ug/l	89
7) Trichlorofluoromethane	3.27	101	122193	20.093	ug/l	100
8) Diethyl Ether	3.70	74	29545	19.592	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	66201	19.260	ug/l	97
10) Methyl Iodide	4.30	142	65126	19.500	ug/l	98
11) Tert butyl alcohol	5.20	59	23296	89.130	ug/l #	72
12) 1,1-Dichloroethene	4.06	96	61286	18.967	ug/l	91
13) Acrolein	3.91	56	16341	73.917	ug/l	97
14) Allyl chloride	4.71	41	74713	17.799	ug/l	92
15) Acrylonitrile	5.43	53	52495	94.582	ug/l	96
16) Acetone	4.16	43	45630	90.537	ug/l	93
17) Carbon Disulfide	4.40	76	186851	18.842	ug/l	99
18) Methyl Acetate	4.72	43	24941	19.690	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	120781	20.476	ug/l	99
20) Methylene Chloride	4.97	84	90824	21.205	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	75424	20.511	ug/l	97
22) Diisopropyl ether	6.36	45	148402	19.365	ug/l	95
23) Vinyl Acetate	6.31	43	384347	88.506	ug/l	96
24) 1,1-Dichloroethane	6.26	63	117803	19.918	ug/l	96
25) 2-Butanone	7.21	43	63120	88.336	ug/l	99
26) 2,2-Dichloropropane	7.21	77	100282	17.116	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	83234	21.193	ug/l	95
28) Bromochloromethane	7.55	49	42147	18.453	ug/l	91
29) Tetrahydrofuran	7.56	42	36140	87.963	ug/l	93
30) Chloroform	7.71	83	133019	20.733	ug/l	96
31) Cyclohexane	7.99	56	85755	17.295	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	126353	21.251	ug/l	96
36) 1,1-Dichloropropene	8.11	75	99658	19.469	ug/l	98
37) Ethyl Acetate	7.29	43	31029	17.498	ug/l	98
38) Carbon Tetrachloride	8.09	117	116003	20.945	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	96840	17.894	ug/l	93
40) Benzene	8.35	78	281124	19.772	ug/l	99
41) Methacrylonitrile	7.53	41	19506	20.361	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	81858	20.604	ug/l	98
43) Isopropyl Acetate	8.46	43	58615	17.942	ug/l	98
44) Trichloroethene	9.11	130	85768	20.202	ug/l	91
45) 1,2-Dichloropropane	9.38	63	64164	19.207	ug/l	98
46) Dibromomethane	9.47	93	38792	20.204	ug/l	96
47) Bromodichloromethane	9.66	83	106777	21.394	ug/l	95
48) Methyl methacrylate	9.45	41	27182	16.241	ug/l #	68
49) 1,4-Dioxane	9.46	88	7425	370.523	ug/l #	94
51) 4-Methyl-2-Pentanone	10.23	43	146185	89.838	ug/l	98
52) Toluene	10.40	92	187820	20.507	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	89848	20.142	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	107690	19.771	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	55160	20.663	ug/l	96
56) Ethyl methacrylate	10.66	69	55578	20.166	ug/l	97
57) 1,3-Dichloropropane	10.94	76	89067	20.575	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	149300	97.329	ug/l	95
59) 2-Hexanone	10.98	43	94928	87.406	ug/l	94
60) Dibromochloromethane	11.14	129	75778	21.298	ug/l	97
61) 1,2-Dibromoethane	11.24	107	53045	20.683	ug/l	95
64) Tetrachloroethene	10.87	164	75990	20.636	ug/l	96
65) Chlorobenzene	11.67	112	208652	20.712	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	80790	21.083	ug/l	98
67) Ethyl Benzene	11.74	91	355564	20.599	ug/l	100
68) m/p-Xylenes	11.86	106	280813	41.745	ug/l	100
69) o-Xylene	12.18	106	126446	21.020	ug/l	96
70) Styrene	12.20	104	224109	21.696	ug/l	99
71) Bromoform	12.36	173	43742	21.990	ug/l #	95
73) Isopropylbenzene	12.48	105	343394	20.190	ug/l	98
74) N-amyl acetate	12.29	43	52689	17.233	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.74	83	53404	18.636	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	39462m	18.087	ug/l	
77) Bromobenzene	12.77	156	87958	21.417	ug/l	95
78) n-propylbenzene	12.82	91	407086	20.252	ug/l	100
79) 2-Chlorotoluene	12.91	91	240934	20.950	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	308746	21.485	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	16650	19.026	ug/l	99
82) 4-Chlorotoluene	13.01	91	256246	20.942	ug/l	100
83) tert-Butylbenzene	13.23	119	253941	20.985	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	304959	21.265	ug/l	100
85) sec-Butylbenzene	13.41	105	344383	20.209	ug/l	99
86) p-Isopropyltoluene	13.52	119	329683	20.867	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	172540	21.569	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	168639	21.084	ug/l	99
89) n-Butylbenzene	13.85	91	281118	19.469	ug/l	99
90) Hexachloroethane	14.12	117	55325	19.991	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	145548	20.834	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9324	20.185	ug/l	96

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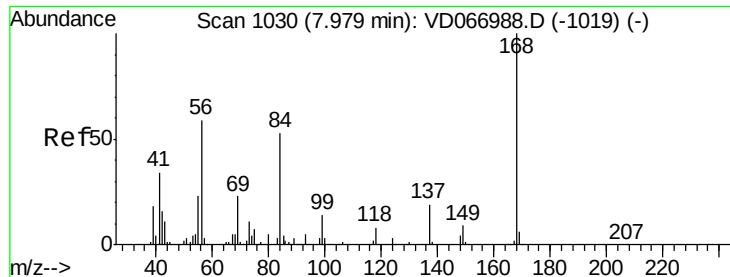
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	92600	20.492	ug/l	98
94) Hexachlorobutadiene	15.28	225	57244	20.627	ug/l	99
95) Naphthalene	15.41	128	146357	19.417	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	80672	20.565	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067167.D

Acq: 07 Oct 2020 23:18

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS02

Tot Ion:168 Resp: 342775

Ion Ratio Lower Upper

168 100

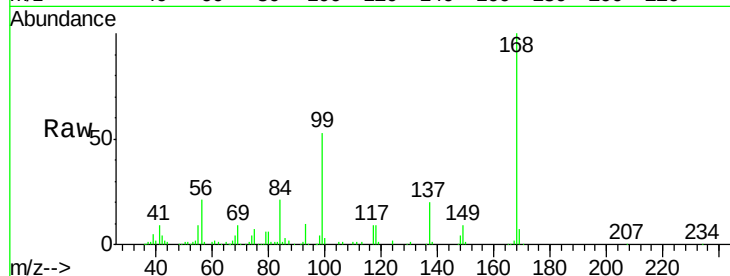
99 52.8 44.1 66.1

Manual Integrations

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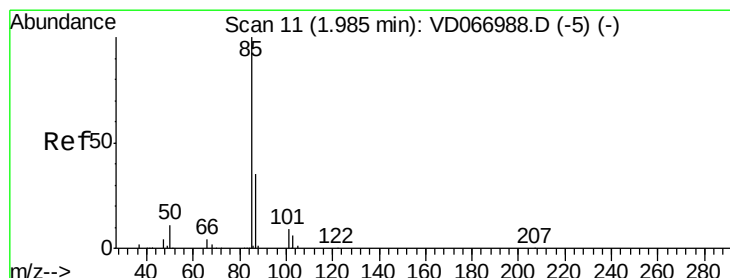
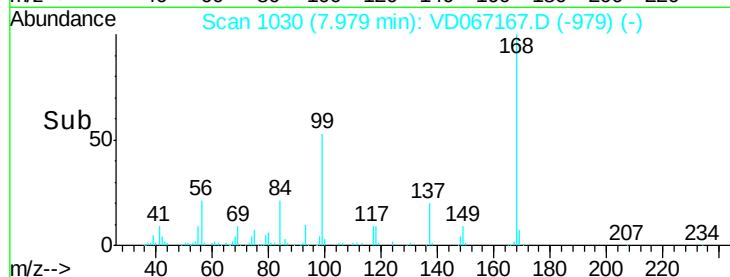
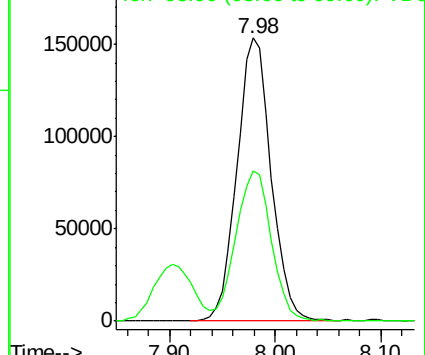
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 22.908 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067167.D

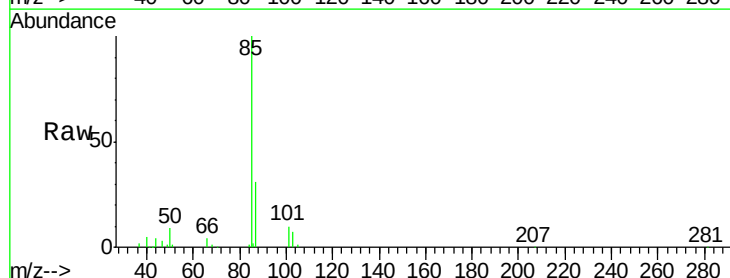
Acq: 07 Oct 2020 23:18

Tgt Ion: 85 Resp: 70627

Ion Ratio Lower Upper

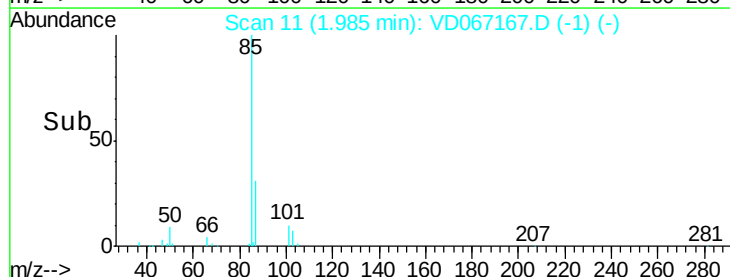
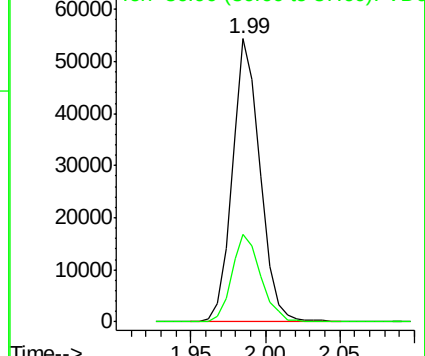
85 100

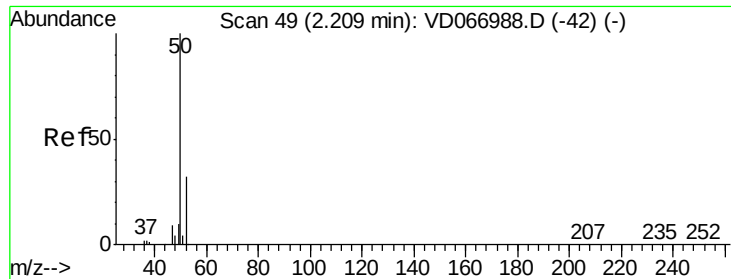
87 31.2 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.706 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067167.D

Acq: 07 Oct 2020 23:18

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS02

Tot Ion: 50 Resp: 53793

Ion Ratio Lower Upper

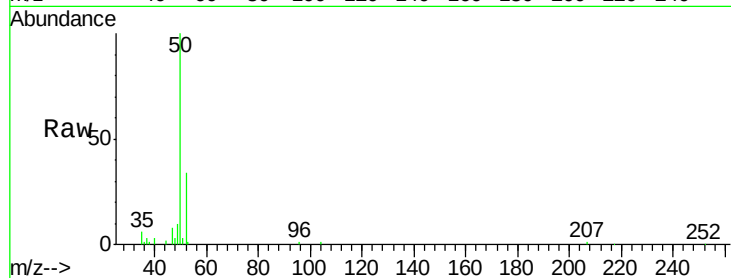
50 100

52 34.3 25.3 37.9

Manual Integrations
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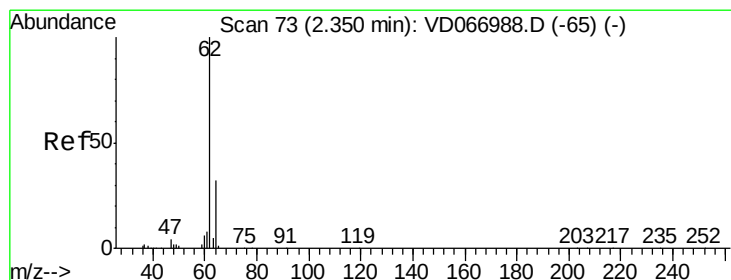
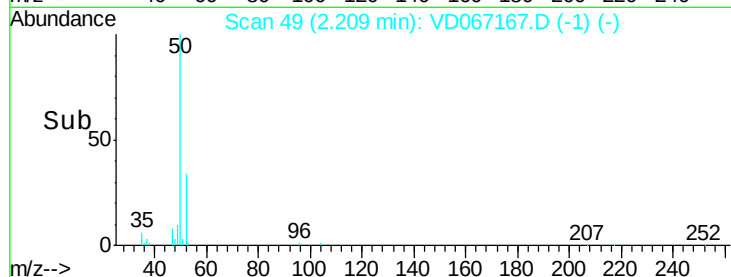
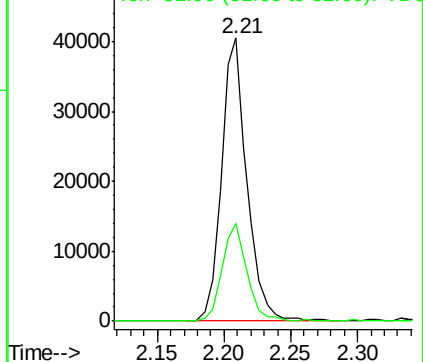
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.747 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067167.D

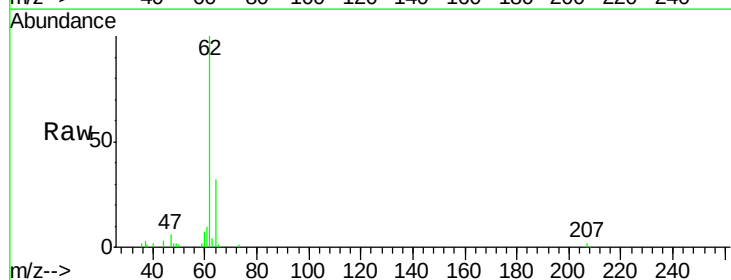
Acq: 07 Oct 2020 23:18

Tgt Ion: 62 Resp: 54051

Ion Ratio Lower Upper

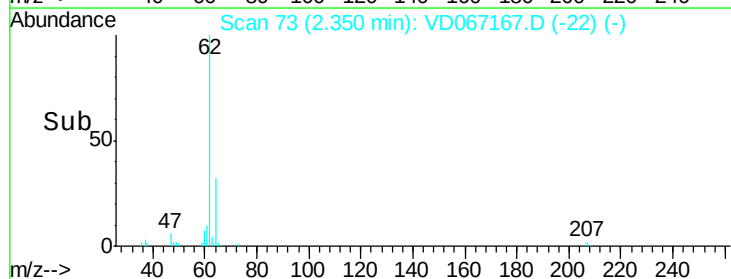
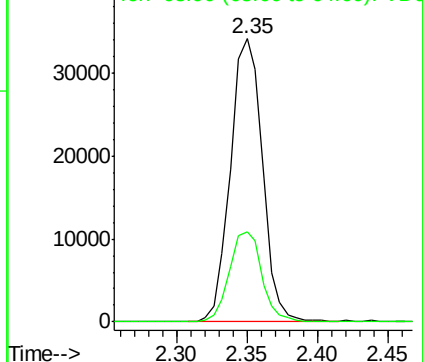
62 100

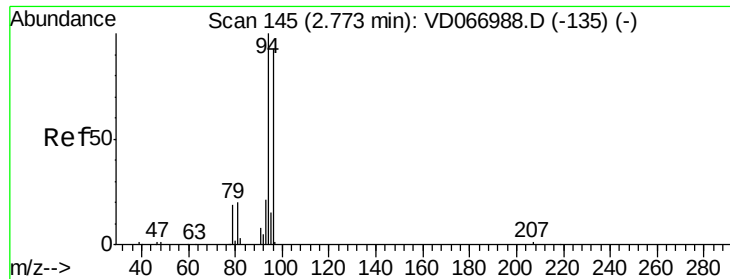
64 31.6 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.565 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD067167.D

Acq: 07 Oct 2020 23:18

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS02

Tot Ion: 94 Resp: 42393

Ion Ratio Lower Upper

94 100

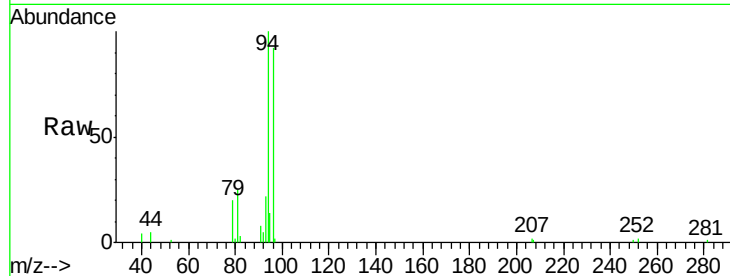
96 92.3 74.6 112.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

20000

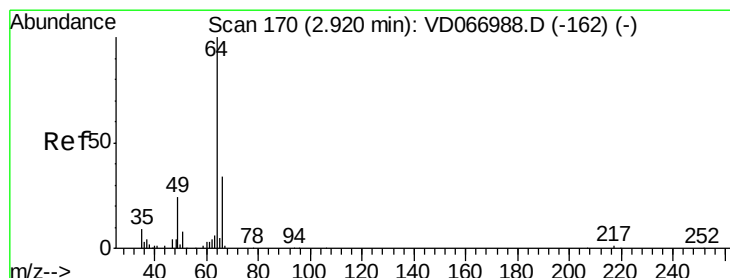
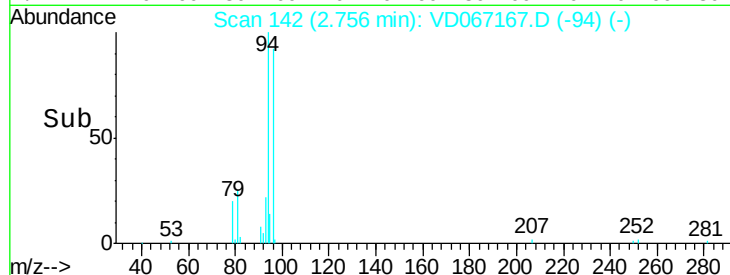
15000

10000

5000

0

Time--> 2.65 2.70 2.75 2.80 2.85



#6

Chloroethane

Concen: 20.759 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067167.D

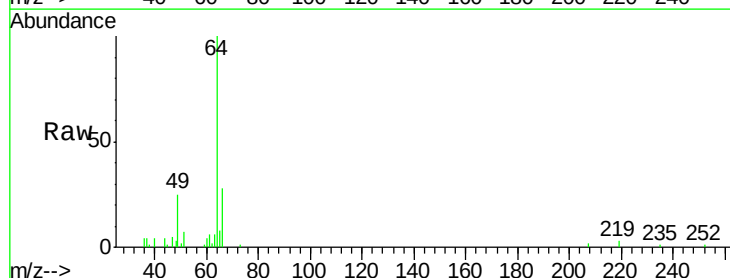
Acq: 07 Oct 2020 23:18

Tgt Ion: 64 Resp: 34603

Ion Ratio Lower Upper

64 100

66 27.5 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

20000

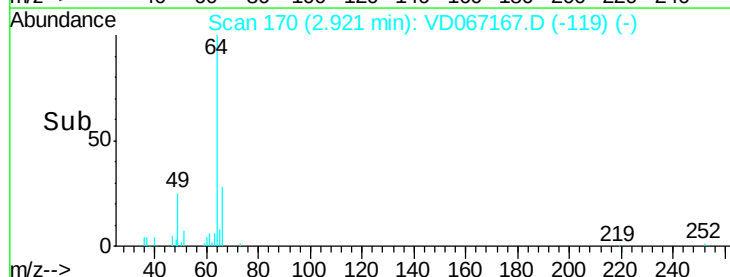
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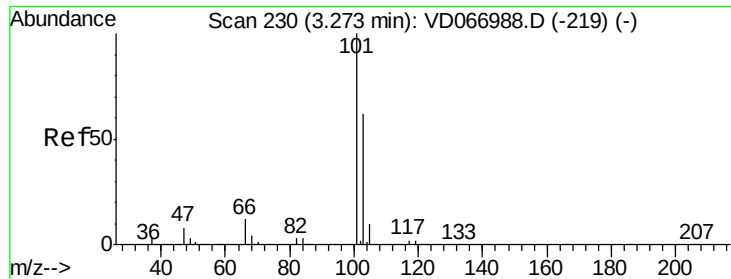
10000

5000

0

Time--> 2.85 2.90 2.95 3.00





#7

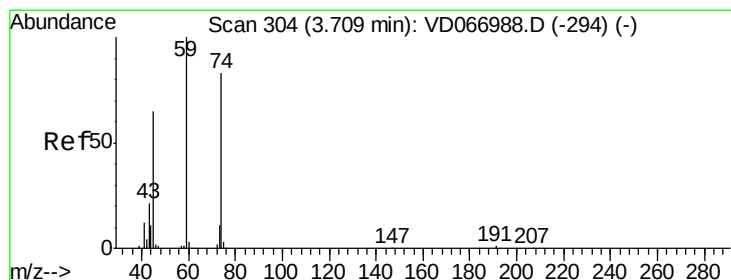
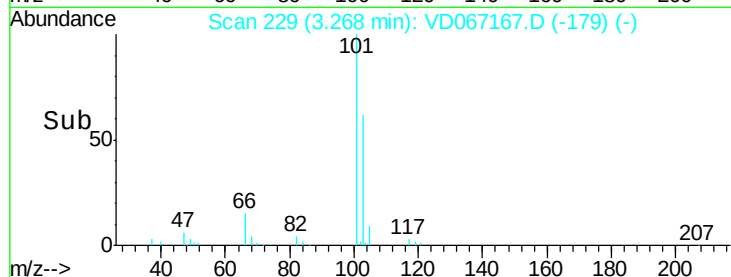
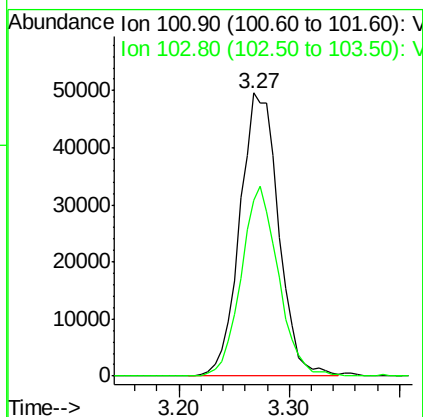
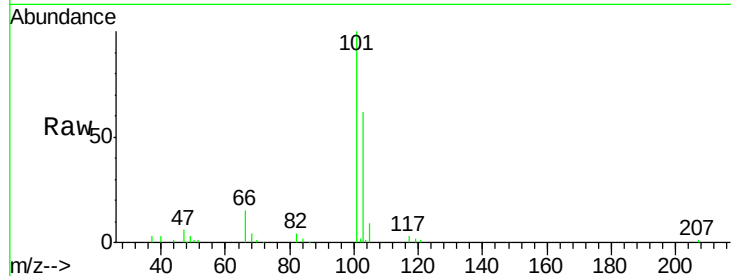
Trichlorofluoromethane
 Concen: 20.093 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD067167.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	122193		
103	62.0	49.8	74.8	

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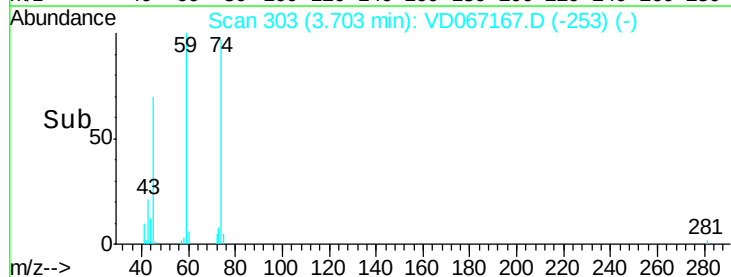
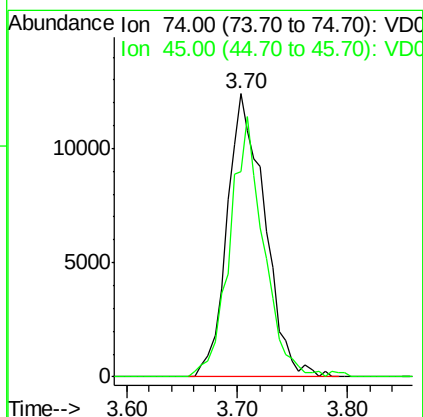
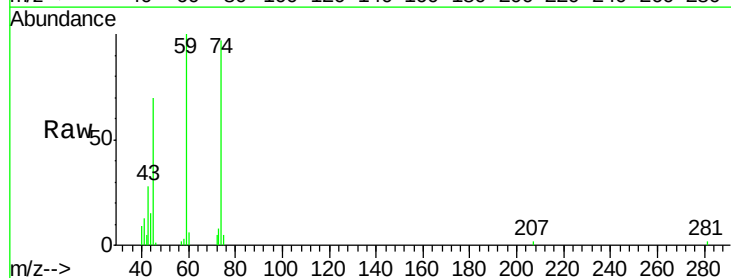
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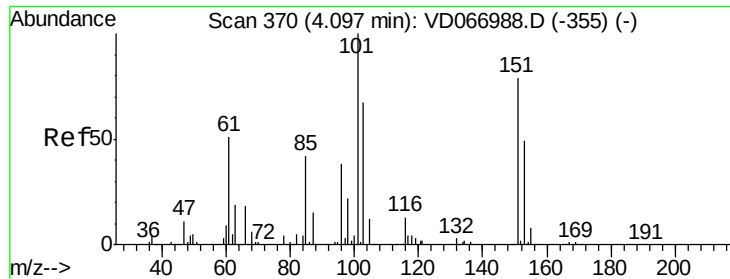


#8

Diethyl Ether
 Concen: 19.592 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD067167.D
 Acq: 07 Oct 2020 23:18

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	29545		
45	82.2	43.1	129.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.260 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067167.D

Acq: 07 Oct 2020 23:18

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MSVOA_D

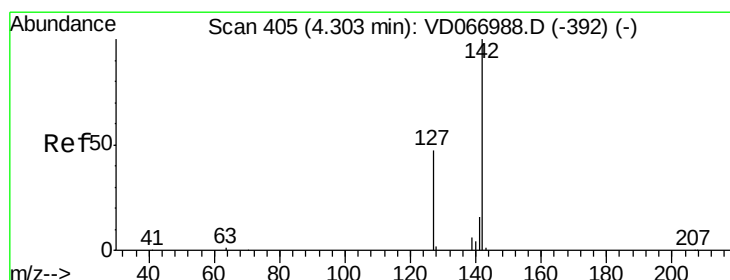
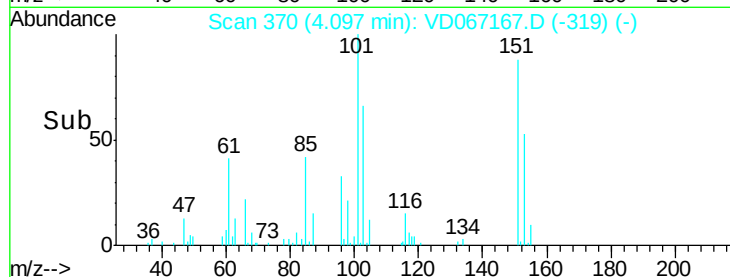
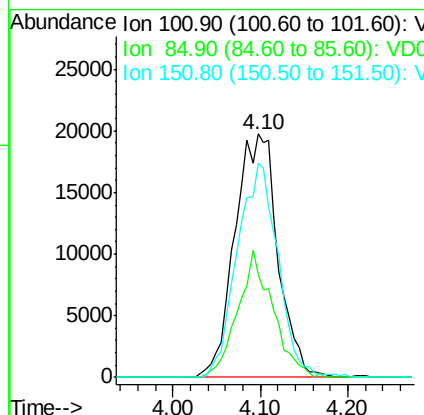
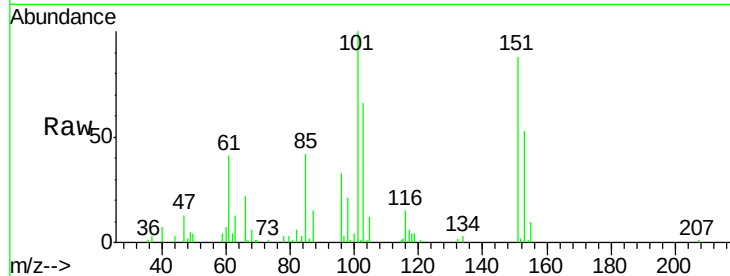
ClientSampleId :

VD1007SBS02

Tot Ion:	101	Resp:	66201
Ion Ratio	Lower	Upper	
101	100		
85	42.5	33.8	50.8
151	83.3	63.8	95.8

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#10

Methyl Iodide

Concen: 19.500 ug/l

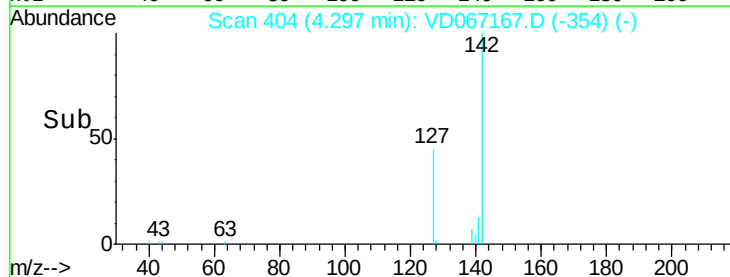
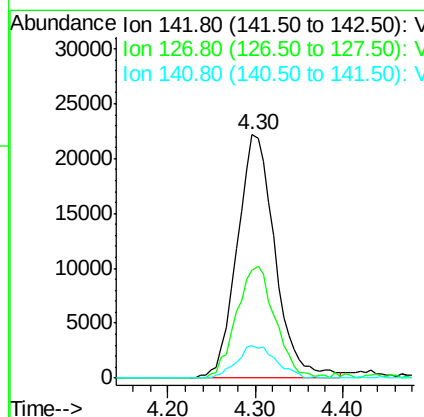
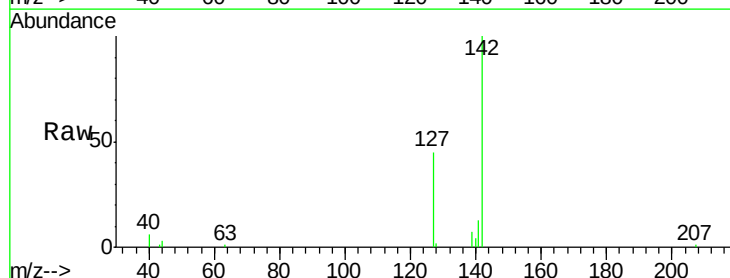
RT: 4.30 min Scan# 404

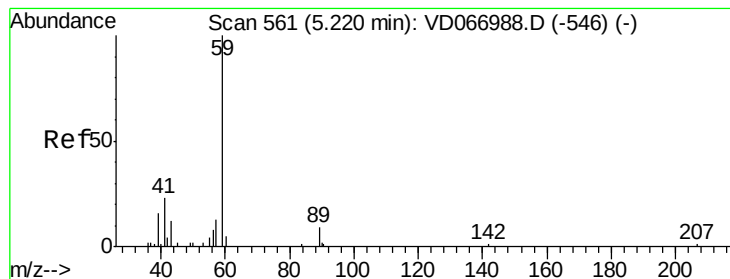
Delta R.T. -0.01 min

Lab File: VD067167.D

Acq: 07 Oct 2020 23:18

Tgt Ion:	142	Resp:	65126
Ion Ratio	Lower	Upper	
142	100		
127	46.9	36.3	54.5
141	13.8	12.0	18.0





#11

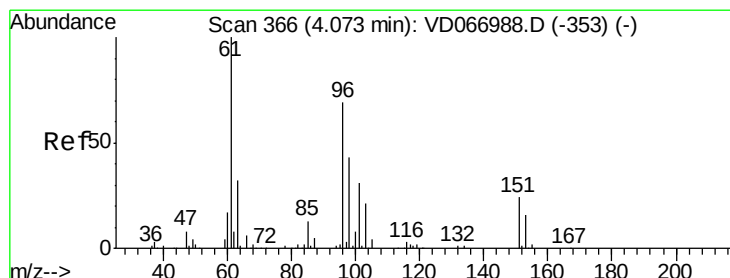
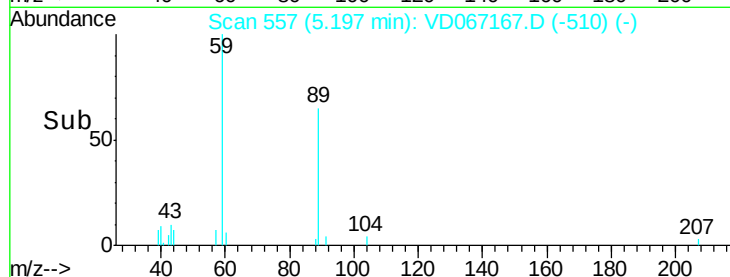
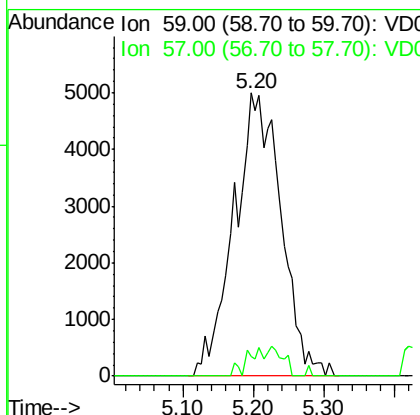
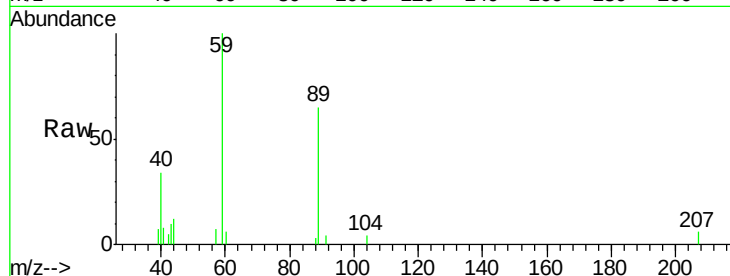
Tert butyl alcohol
 Concen: 89.130 ug/l
 RT: 5.20 min Scan# 557
 Delta R.T. -0.02 min
 Lab File: VD067167.D
 Acq: 07 Oct 2020 23:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.4#

Manual Integrations
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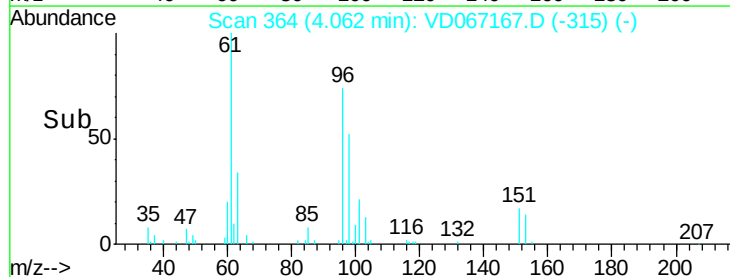
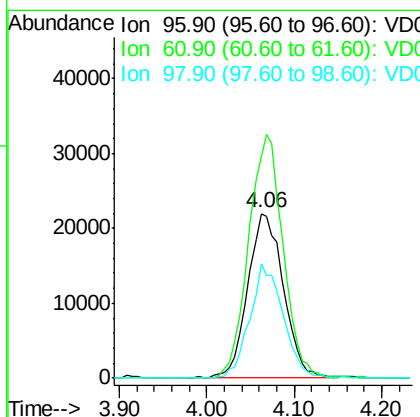
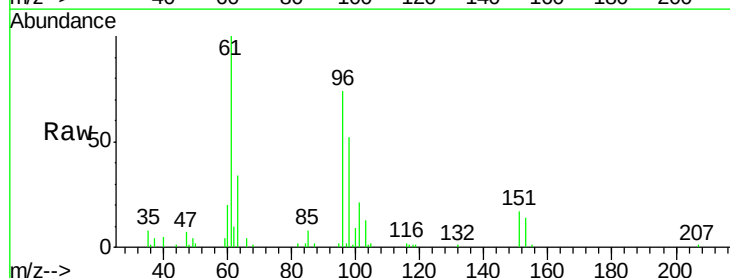
MMDadoda
 10/8/2020 5:39:37 PM

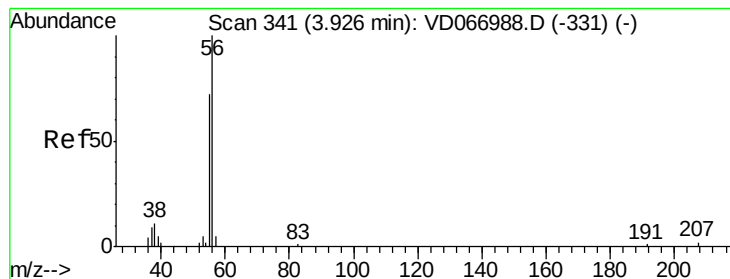


#12

1,1-Dichloroethene
 Concen: 18.967 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD067167.D
 Acq: 07 Oct 2020 23:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	134.9	116.4	174.6
98	69.6	49.9	74.9





#13

Acrolein

Concen: 73.917 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD067167.D

Acq: 07 Oct 2020 23:18

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS02

Tot Ion: 56 Resp: 16341

Ion Ratio Lower Upper

56 100

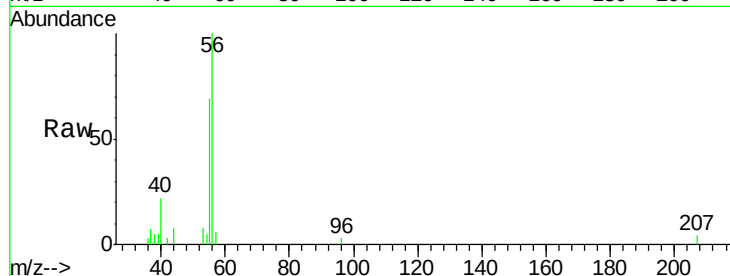
55 68.4 56.9 85.3

Manual Integrations

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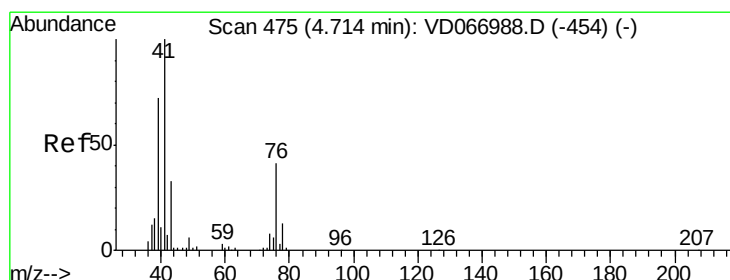
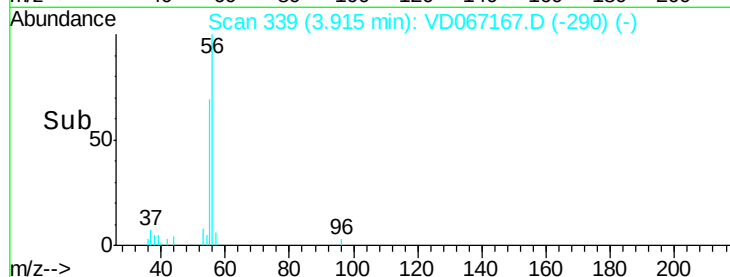
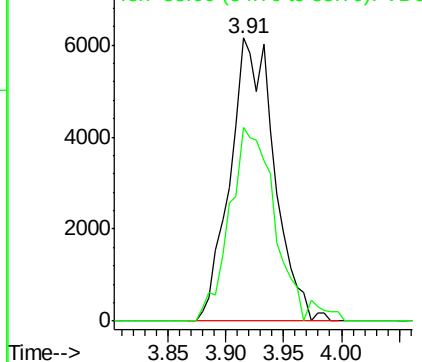
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 17.799 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067167.D

Acq: 07 Oct 2020 23:18

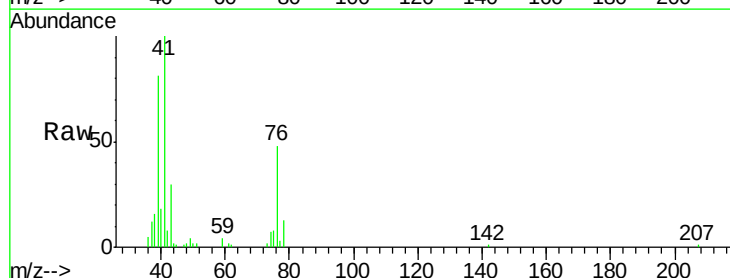
Tgt Ion: 41 Resp: 74713

Ion Ratio Lower Upper

41 100

39 77.8 56.2 84.2

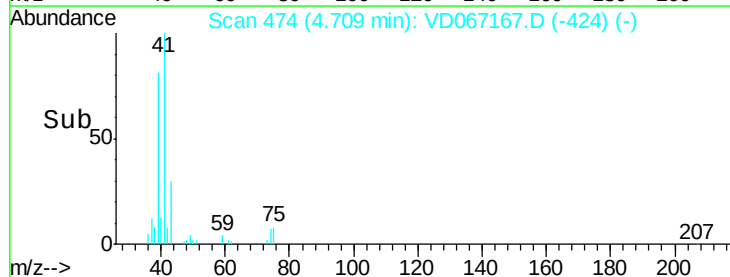
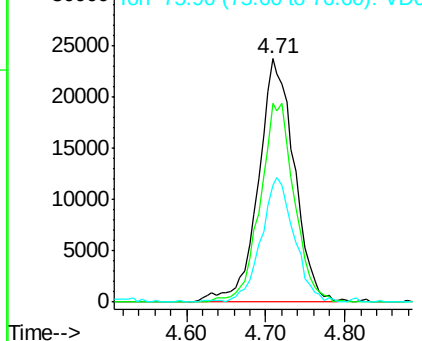
76 46.8 34.2 51.2

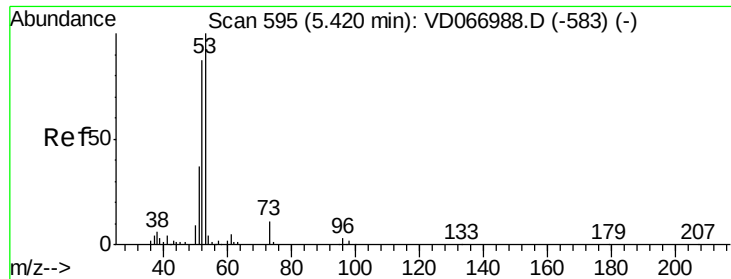


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





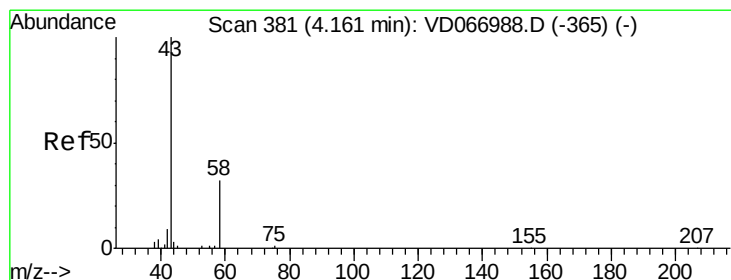
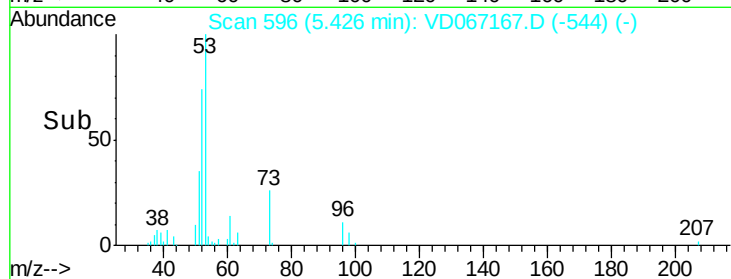
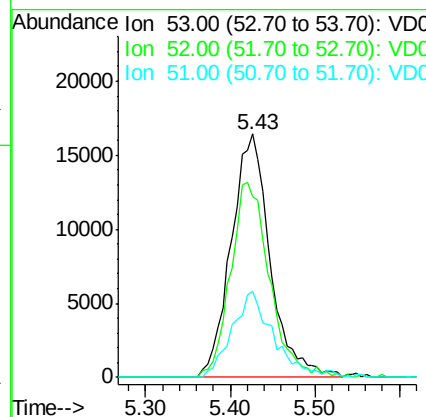
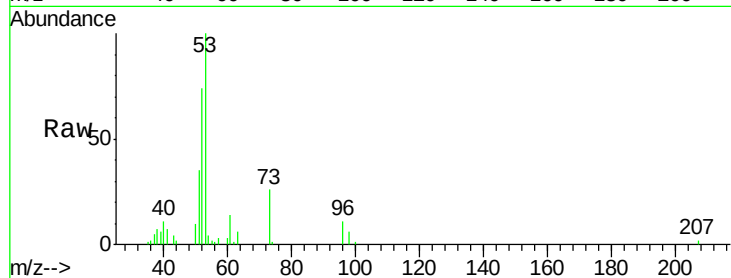
#15
 Acrylonitrile
 Concen: 94.582 ug/l
 RT: 5.43 min Scan# 596
 Delta R.T. 0.01 min
 Lab File: VD067167.D
 Acq: 07 Oct 2020 23:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS02

Tot Ion:	53	Resp:	52495
Ion	Ratio	Lower	Upper
53	100		
52	78.8	67.3	100.9
51	36.8	30.2	45.2

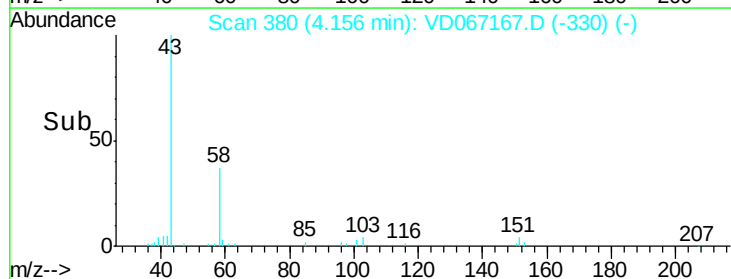
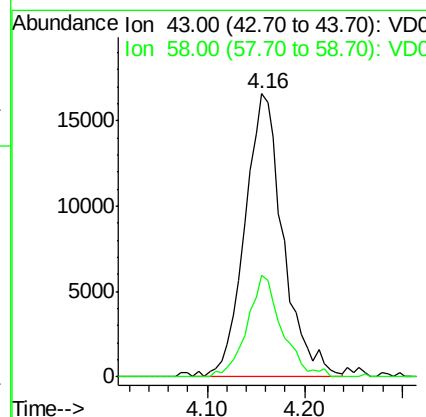
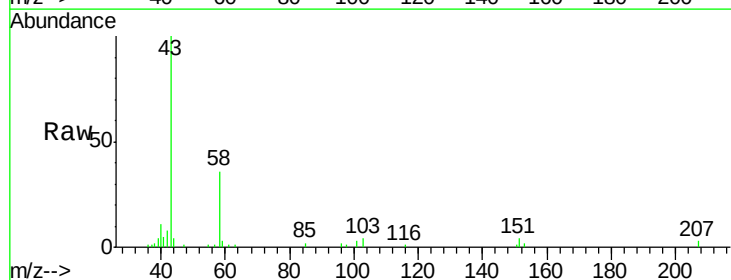
Manual Integrations
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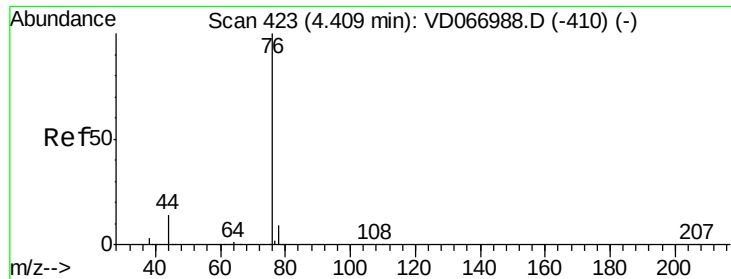
MMDadoda
 10/8/2020 5:39:37 PM



#16
 Acetone
 Concen: 90.537 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. -0.01 min
 Lab File: VD067167.D
 Acq: 07 Oct 2020 23:18

Tgt Ion:	43	Resp:	45630
Ion	Ratio	Lower	Upper
43	100		
58	36.1	25.9	38.9





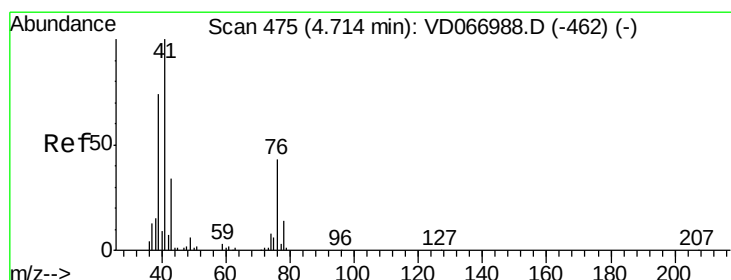
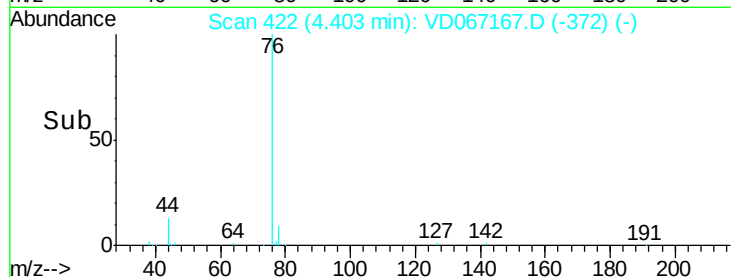
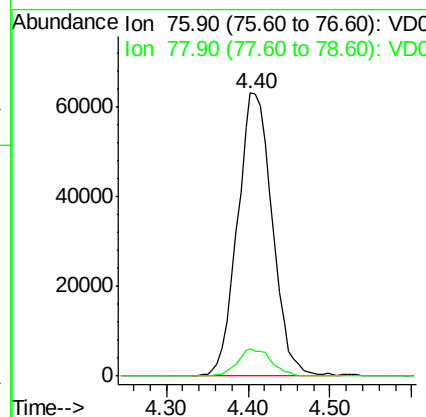
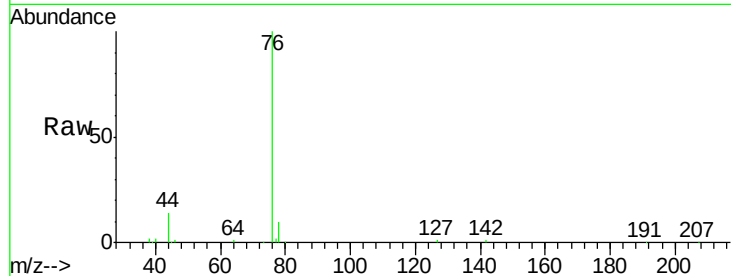
#17
Carbon Disulfide
Concen: 18.842 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD067167.D
Acq: 07 Oct 2020 23:18

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.5	11.3

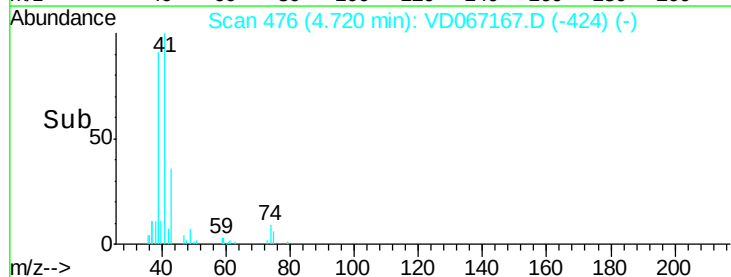
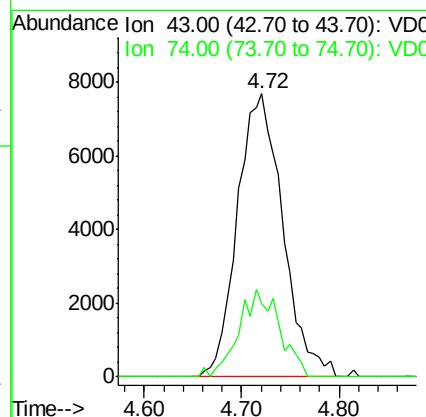
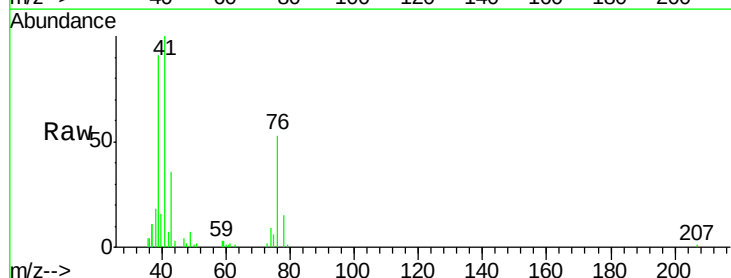
Manual Integrations
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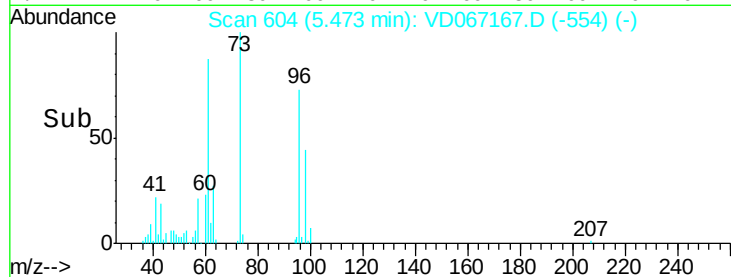
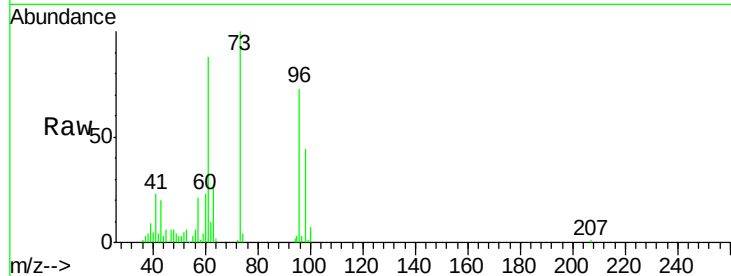
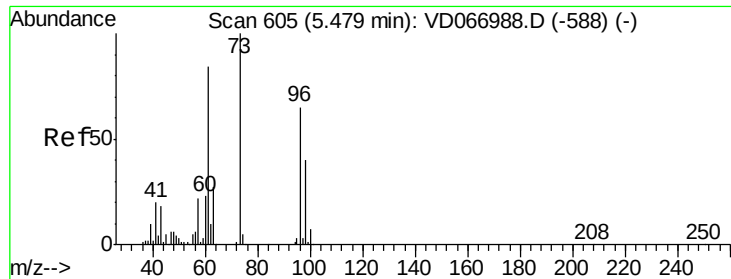
MMDadoda
10/8/2020 5:39:37 PM



#18
Methyl Acetate
Concen: 19.690 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD067167.D
Acq: 07 Oct 2020 23:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.8	21.5	32.3





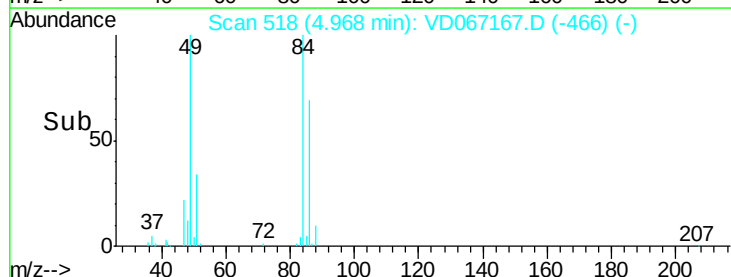
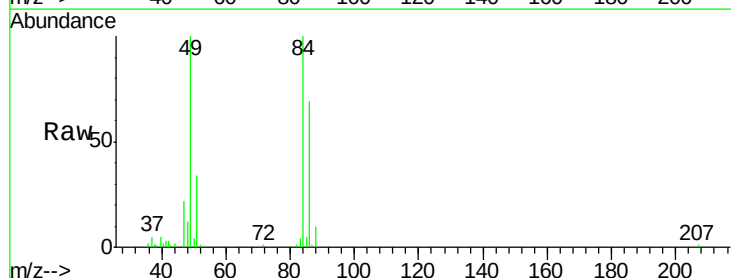
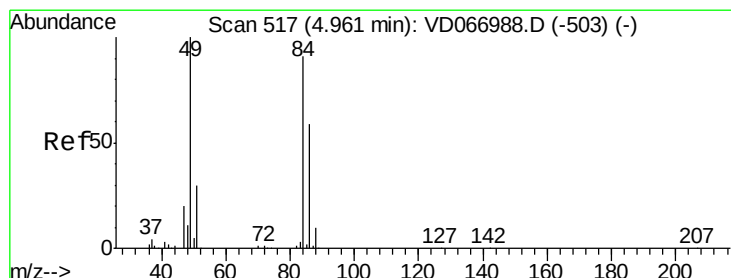
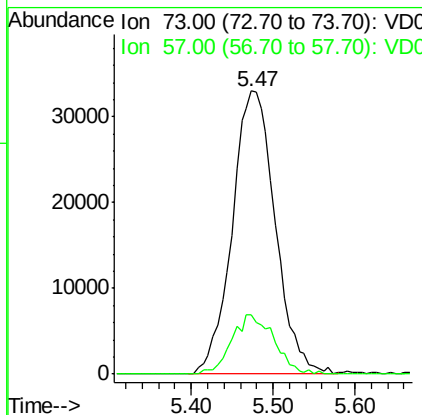
#19
Methyl tert-butyl Ether
Concen: 20.476 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD067167.D
Acq: 07 Oct 2020 23:18

Tot Ion	73	57	Ratio	100	21.1	Resp:	120781	Lower	17.4	Upper	26.0

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS02

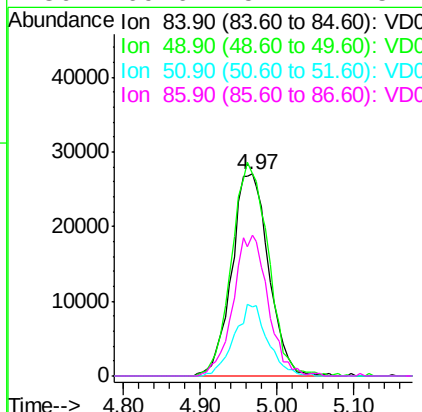
Manual Integrations
APPROVED

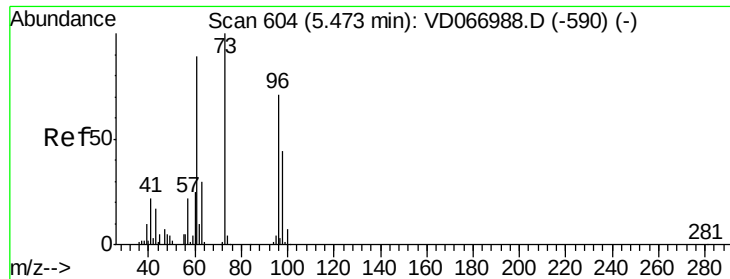
MMDadoda
10/8/2020 5:39:37 PM



#20
Methylene Chloride
Concen: 21.205 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067167.D
Acq: 07 Oct 2020 23:18

Tgt Ion	84	49	51	86	Ratio	100	100.3	34.3	69.6	Resp:	90824	Lower	88.2	26.6	52.1	Upper	132.2	39.8	78.1





#21

trans-1,2-Dichloroethene

Concen: 20.511 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067167.D

Acq: 07 Oct 2020 23:18

Instrument :

MSVOA_D

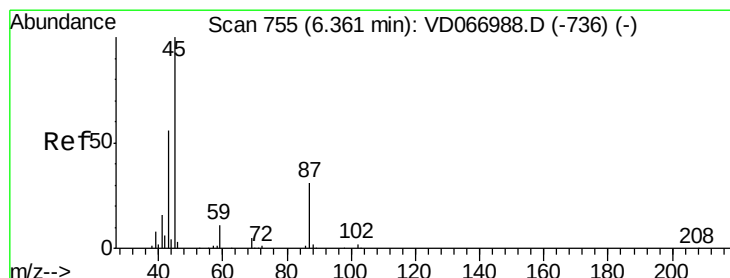
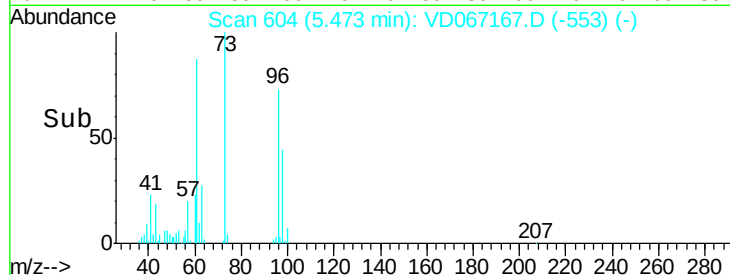
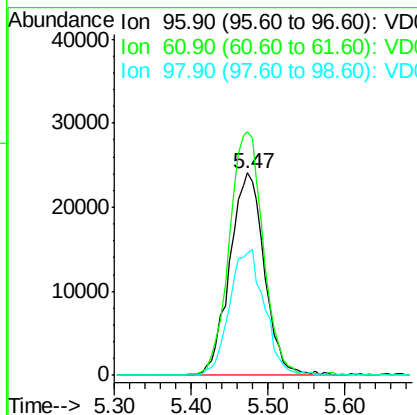
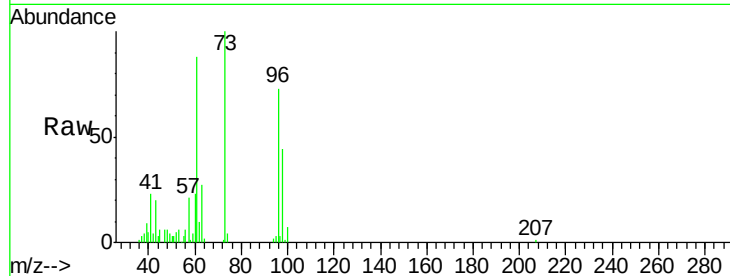
ClientSampleId :

VD1007SBS02

Tot Ion:	96	Resp:	75424
Ion	Ratio	Lower	Upper
96	100		
61	120.4	99.6	149.4
98	60.5	49.4	74.2

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10/8/2020 5:39:37 PM



#22

Diisopropyl ether

Concen: 19.365 ug/l

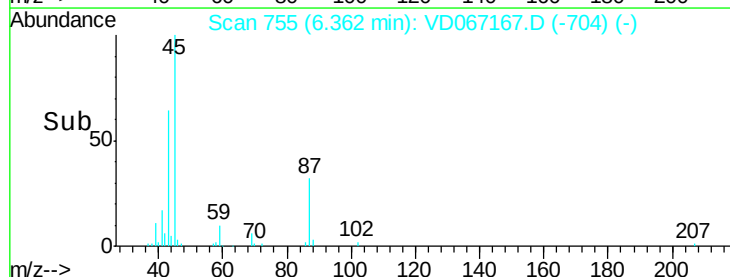
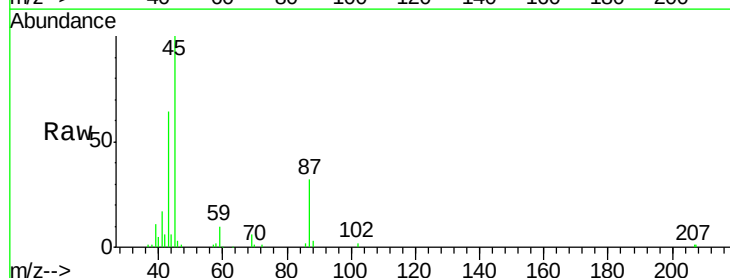
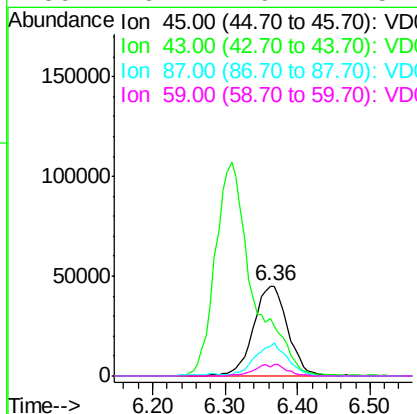
RT: 6.36 min Scan# 755

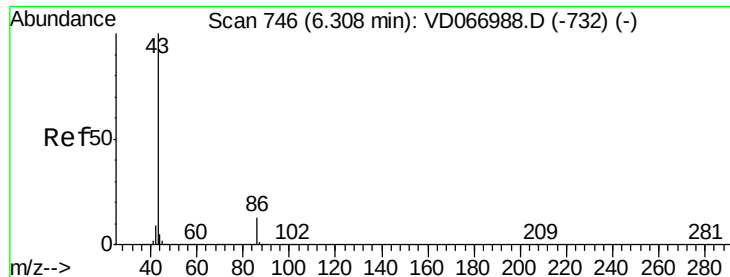
Delta R.T. 0.00 min

Lab File: VD067167.D

Acq: 07 Oct 2020 23:18

Tgt Ion:	45	Resp:	148402
Ion	Ratio	Lower	Upper
45	100		
43	62.4	45.2	67.8
87	32.3	25.6	38.4
59	10.1	9.1	13.7





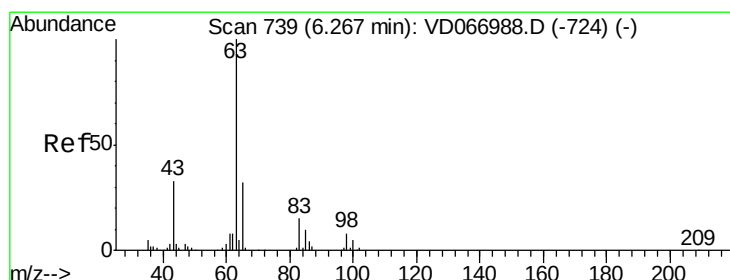
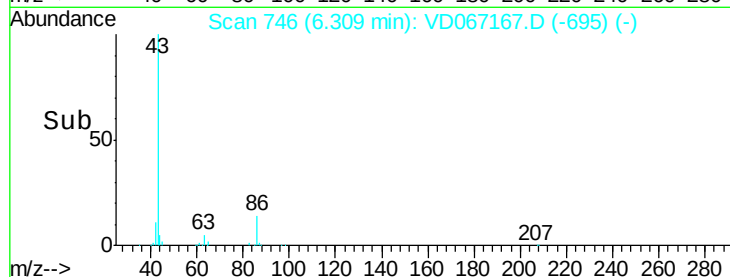
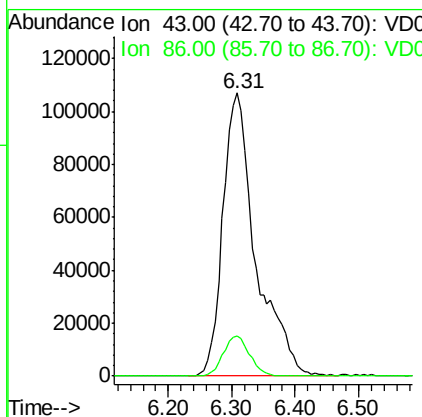
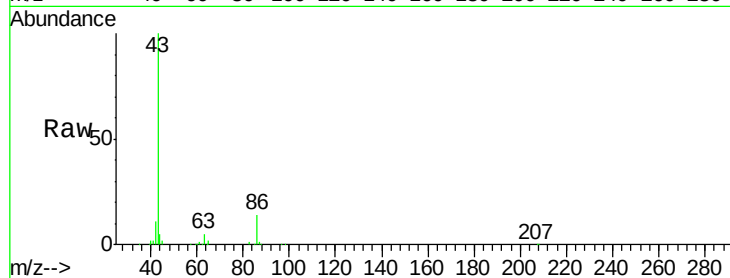
#23
 Vinyl Acetate
 Concen: 88.506 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: VD067167.D
 Acq: 07 Oct 2020 23:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
86	14.4	10.2	15.2

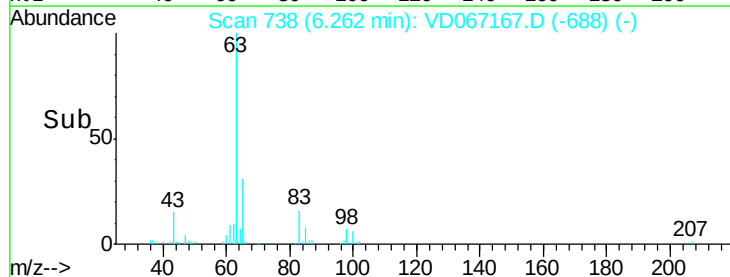
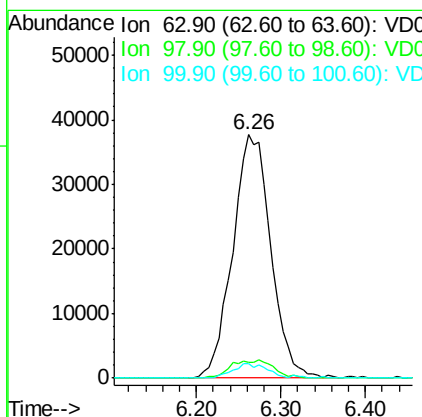
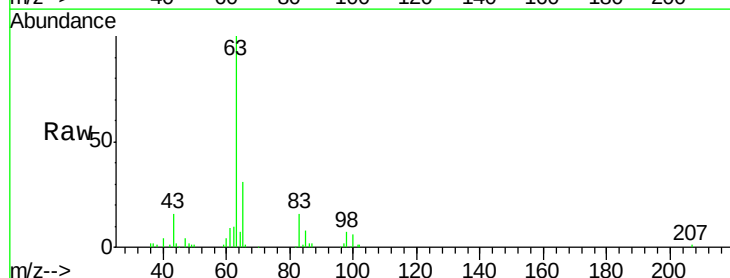
Manual Integrations
 APPROVED

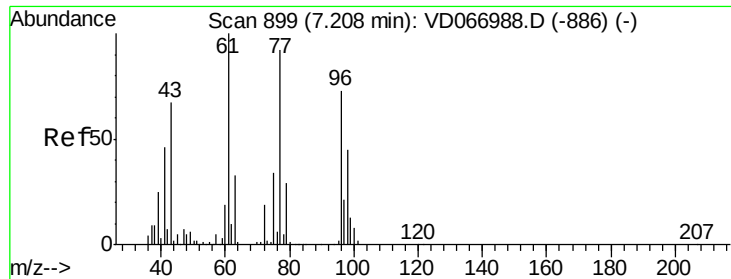
MMDadoda
 10/8/2020 5:39:37 PM



#24
 1,1-Dichloroethane
 Concen: 19.918 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: VD067167.D
 Acq: 07 Oct 2020 23:18

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.6	4.2	12.6
100	6.0	2.6	7.8





#25

2-Butanone

Concen: 88.336 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067167.D

Acq: 07 Oct 2020 23:18

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS02

Tot Ion: 43 Resp: 63120

Ion Ratio Lower Upper

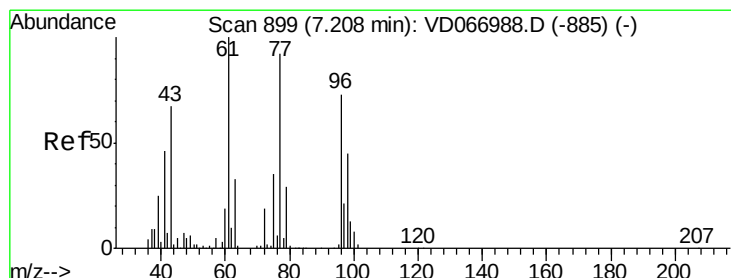
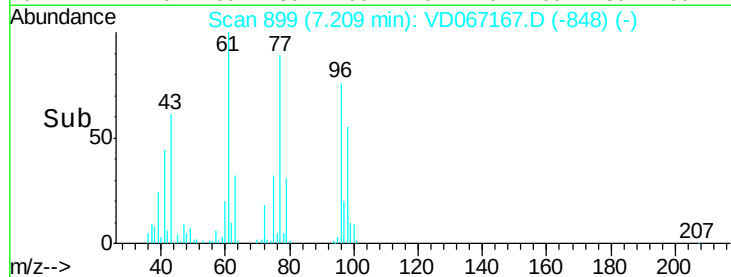
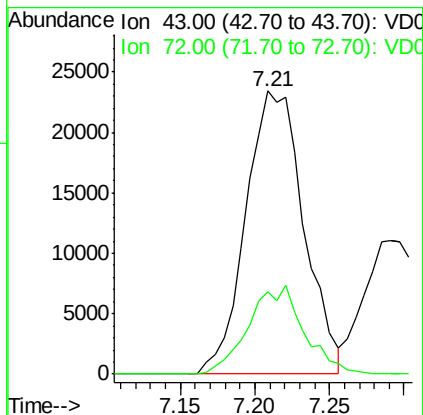
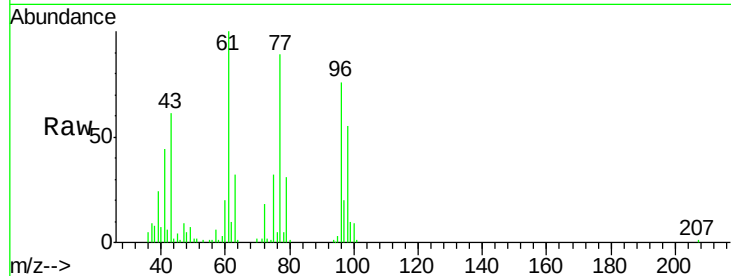
43 100

72 29.0 22.8 34.2

Manual Integrations
APPROVED

MMDadoda

10/8/2020 5:39:37 PM



#26

2,2-Dichloropropane

Concen: 17.116 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD067167.D

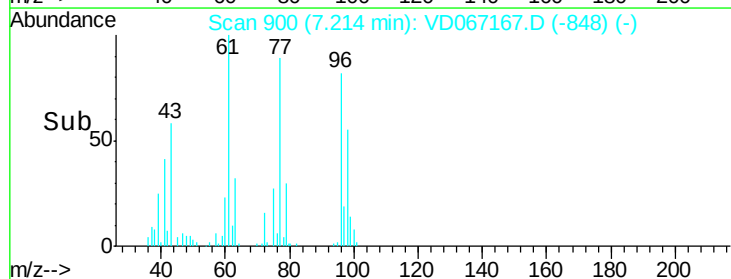
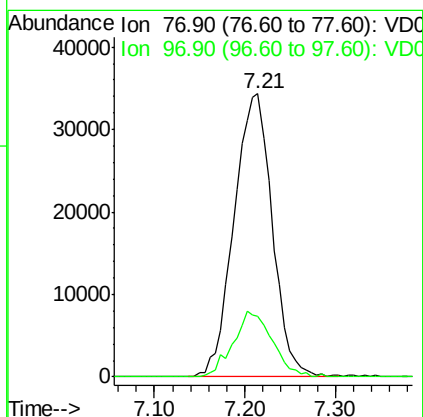
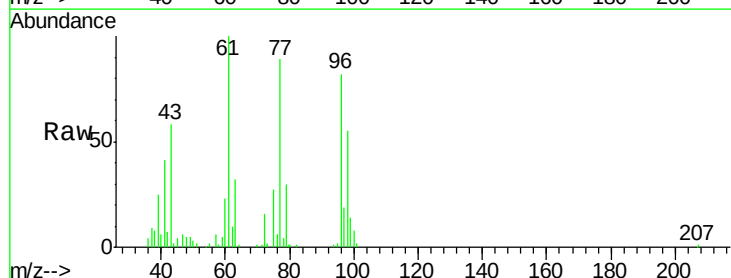
Acq: 07 Oct 2020 23:18

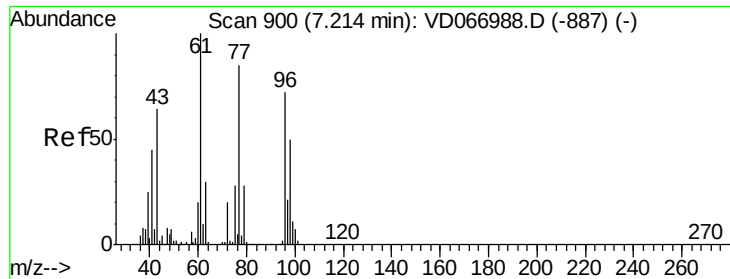
Tgt Ion: 77 Resp: 100282

Ion Ratio Lower Upper

77 100

97 23.7 11.4 34.2





#27

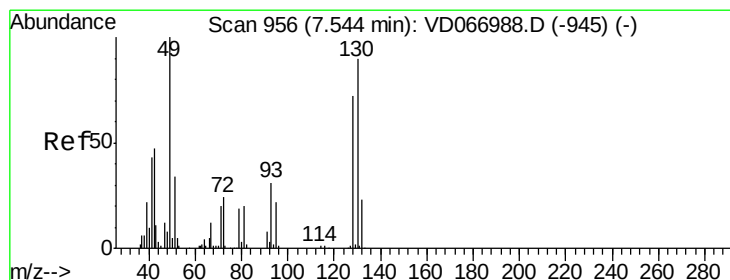
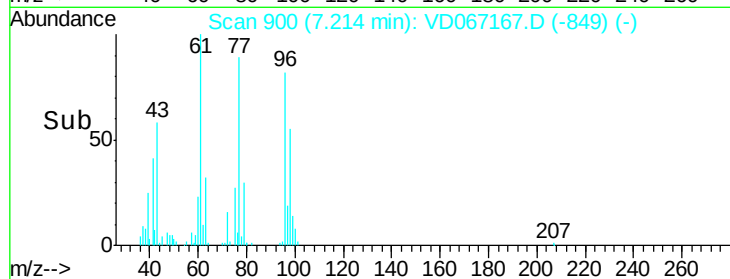
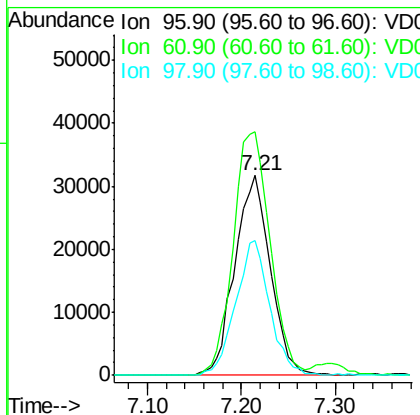
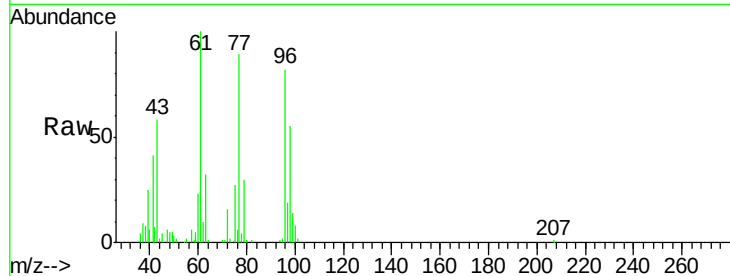
cis-1,2-Dichloroethene
Concen: 21.193 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067167.D
Acq: 07 Oct 2020 23:18

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.7	0.0	269.2
98	64.4	0.0	129.4

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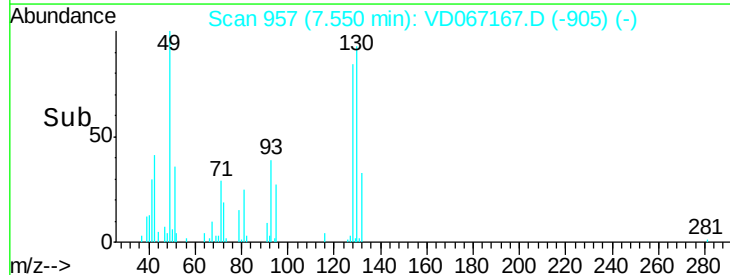
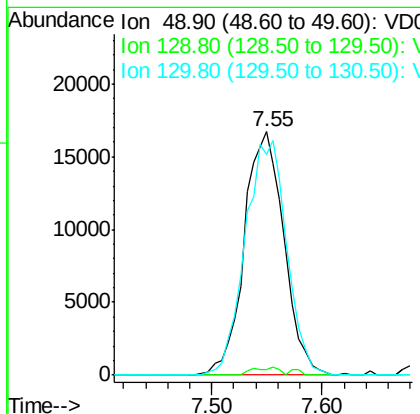
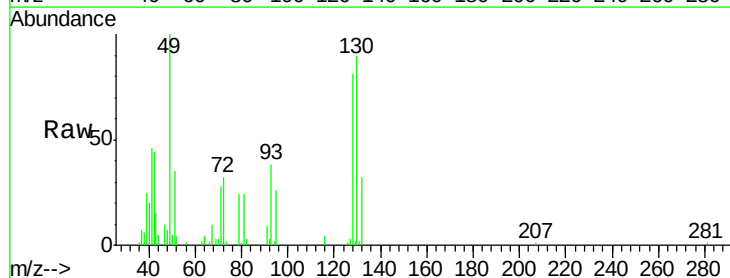
MMDadoda
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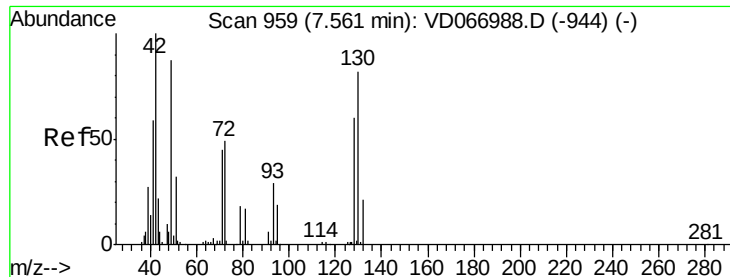


#28

Bromochloromethane
Concen: 18.453 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD067167.D
Acq: 07 Oct 2020 23:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.6
130	101.1	74.1	111.1





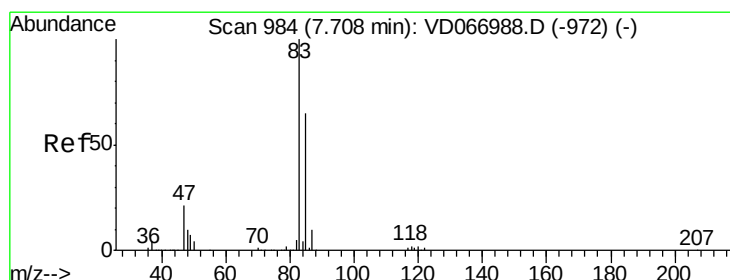
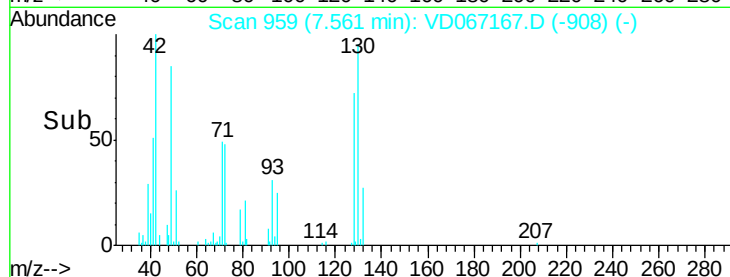
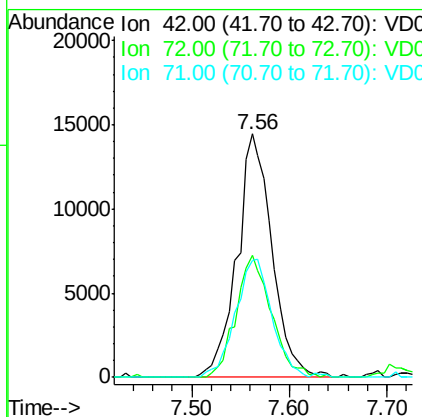
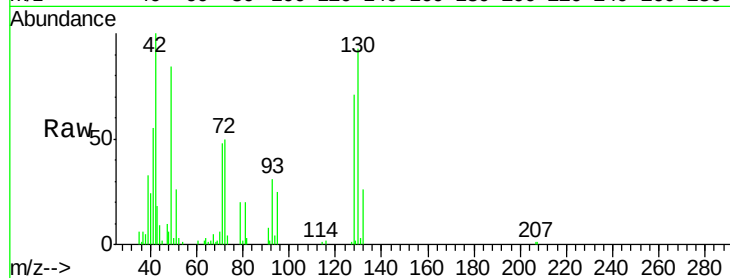
#29
Tetrahydrofuran
Concen: 87.963 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD067167.D
Acq: 07 Oct 2020 23:18

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.6	39.1	58.7
71	50.5	34.2	51.4

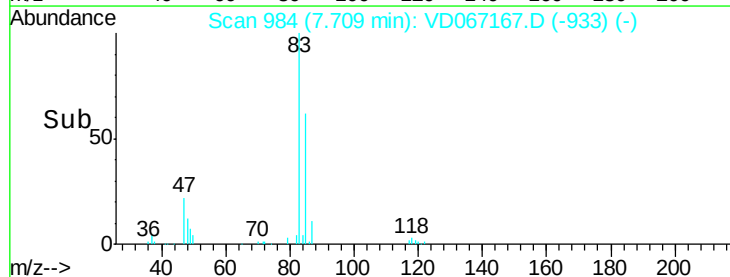
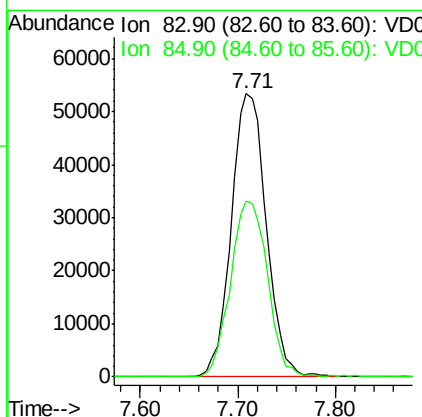
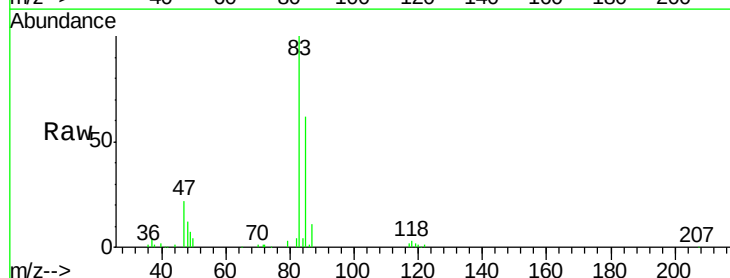
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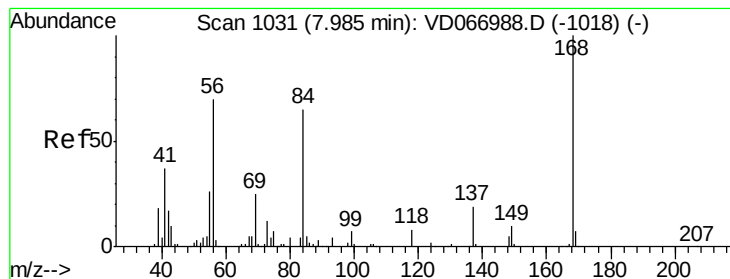
MMDadoda
10/8/2020 5:39:37 PM



#30
Chloroform
Concen: 20.733 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD067167.D
Acq: 07 Oct 2020 23:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.3	52.3	78.5





#31

Cyclohexane

Concen: 17.295 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067167.D

Acq: 07 Oct 2020 23:18

Instrument :

MSVOA_D

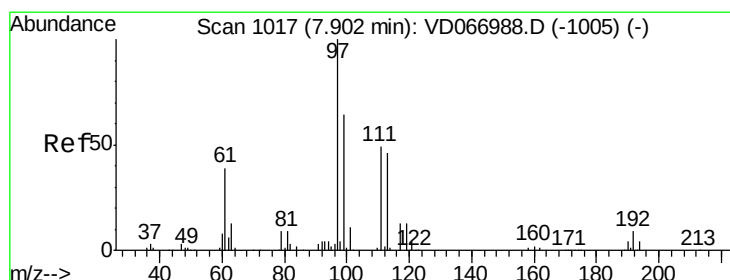
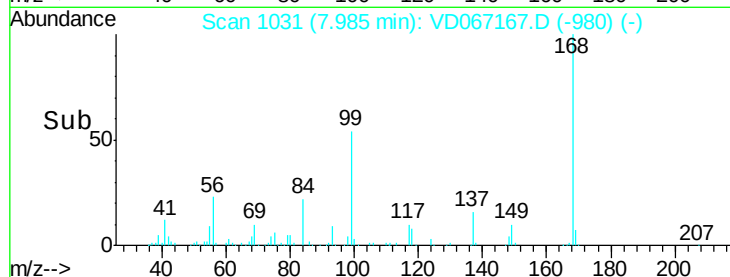
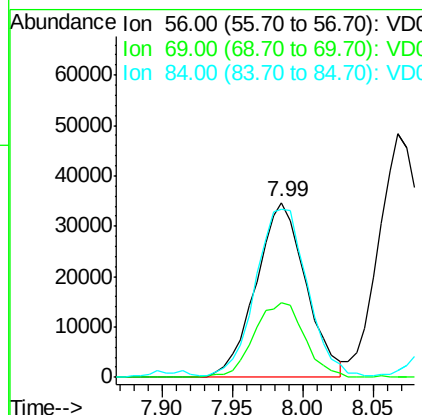
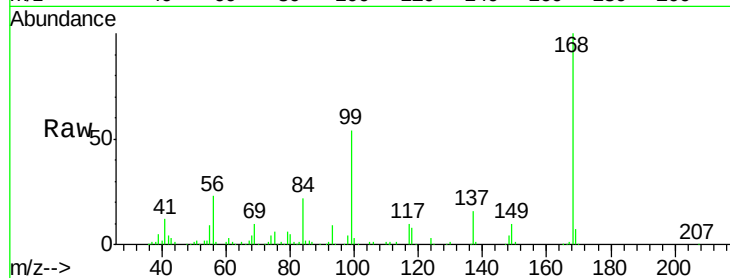
ClientSampleId :

VD1007SBS02

Tot Ion:	56	Resp:	85755
Ion Ratio	Lower	Upper	
56	100		
69	42.8	29.0	43.6
84	94.7	74.2	111.2

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#32

1,1,1-Trichloroethane

Concen: 21.251 ug/l

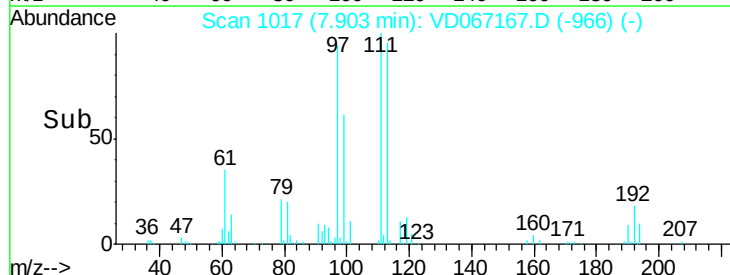
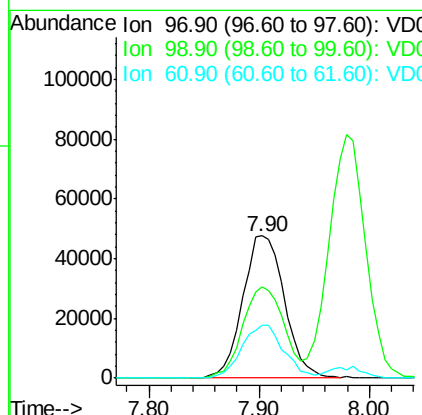
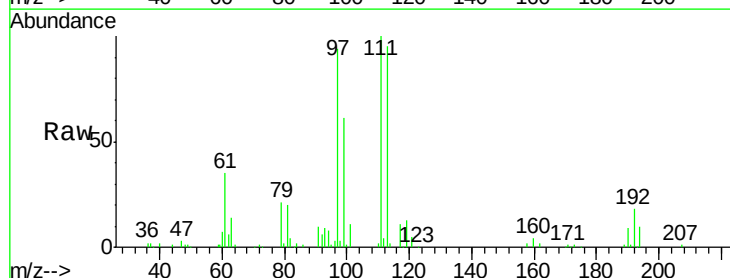
RT: 7.90 min Scan# 1017

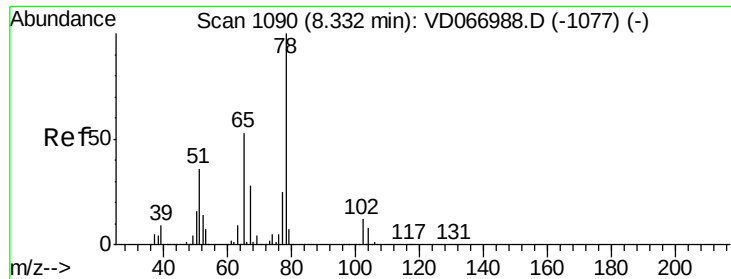
Delta R.T. 0.00 min

Lab File: VD067167.D

Acq: 07 Oct 2020 23:18

Tgt Ion:	97	Resp:	126353
Ion Ratio	Lower	Upper	
97	100		
99	63.4	52.6	78.8
61	37.5	32.8	49.2





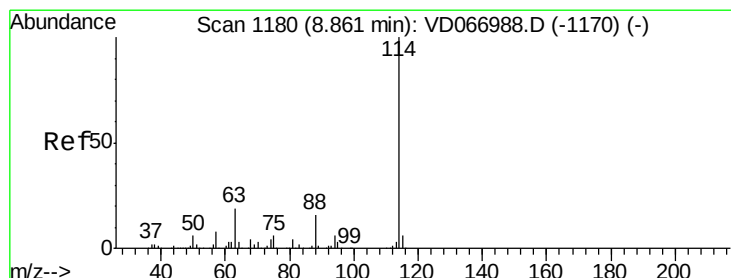
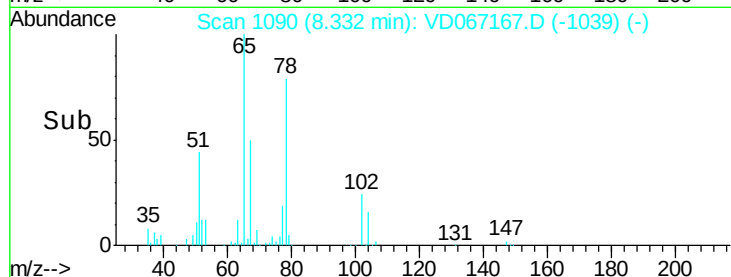
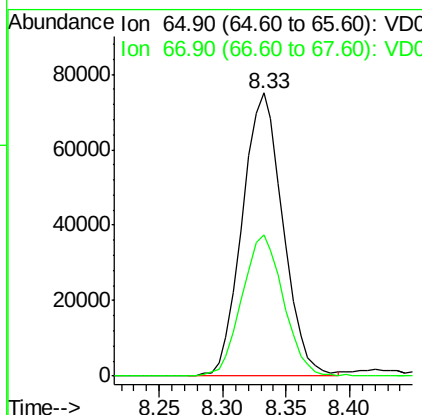
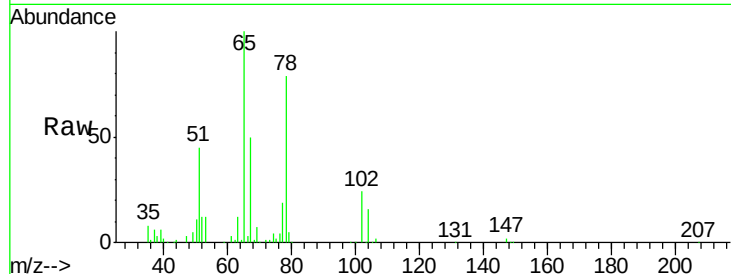
#33
 1,2-Dichloroethane-d4
 Concen: 50.695 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067167.D
 Acq: 07 Oct 2020 23:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	167373		
67	50.9	0.0	106.8	

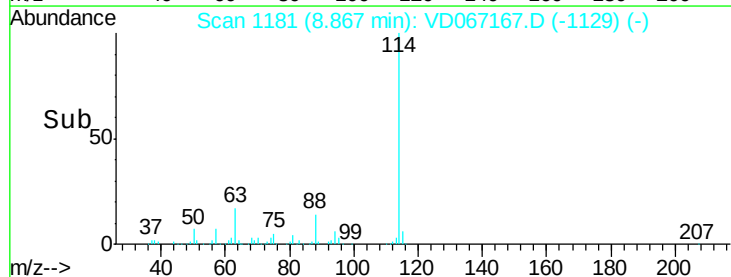
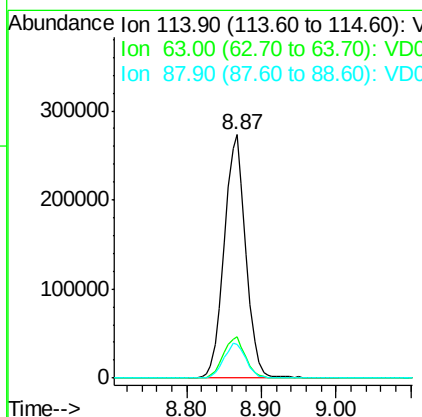
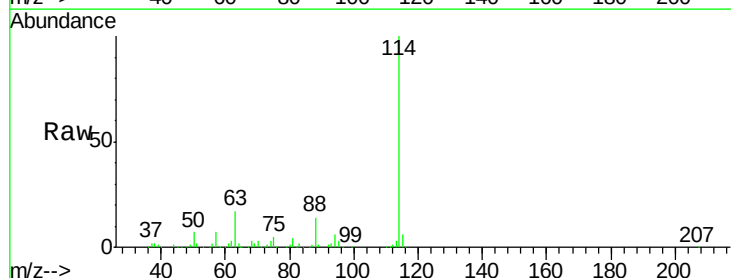
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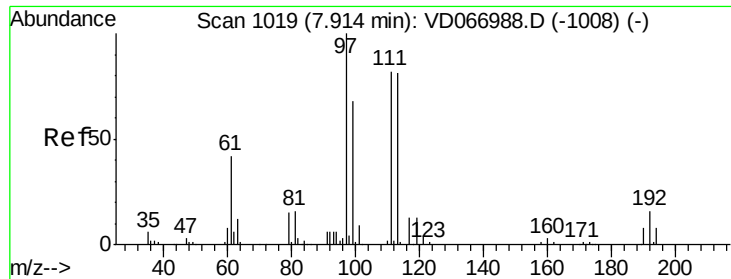
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: VD067167.D
 Acq: 07 Oct 2020 23:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	549170		
63	17.0	0.0	38.4	
88	13.9	0.0	31.2	





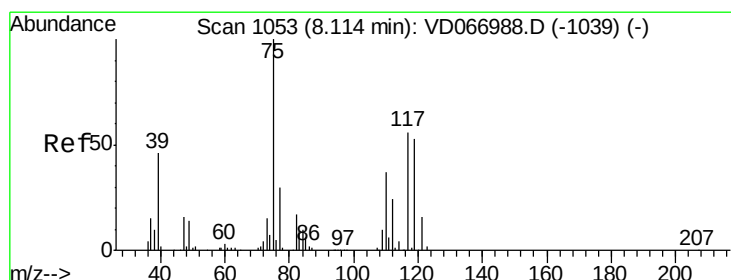
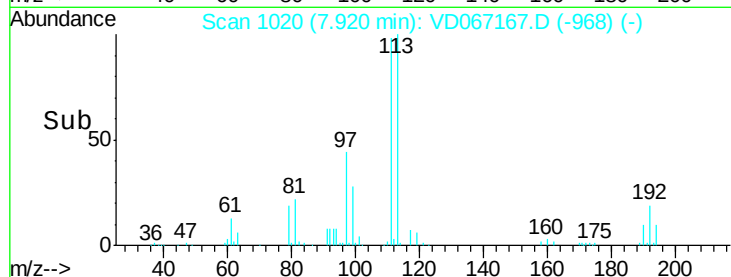
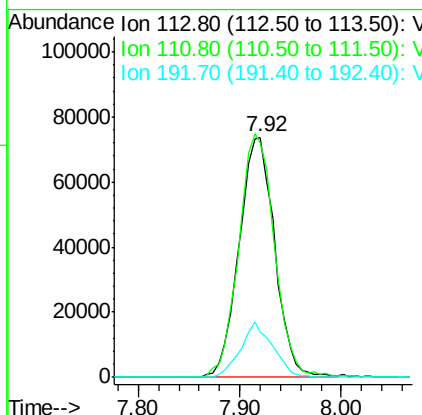
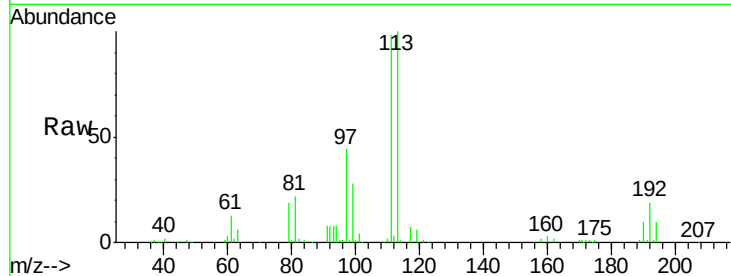
#35
 Dibromofluoromethane
 Concen: 49.938 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067167.D
 Acq: 07 Oct 2020 23:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	179542		
111	101.9	83.0	124.4	
192	20.8	15.5	23.3	

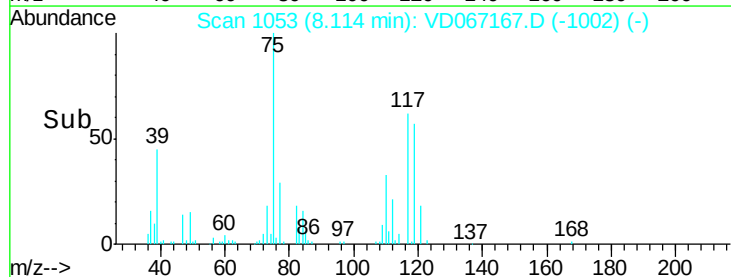
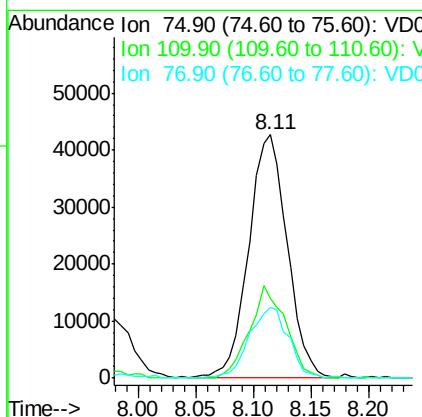
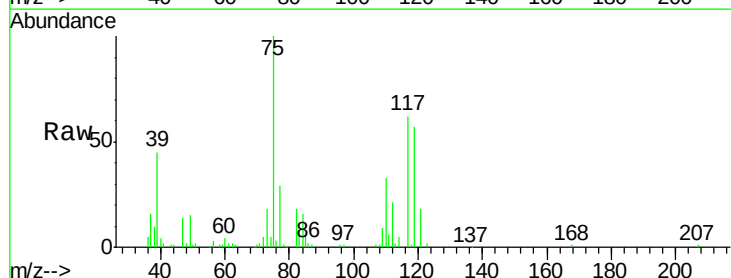
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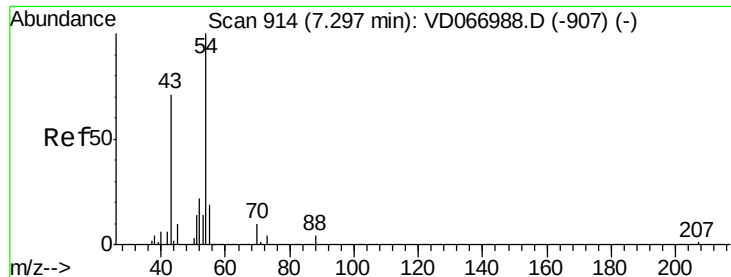
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 19.469 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067167.D
 Acq: 07 Oct 2020 23:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	99658		
110	35.5	18.4	55.0	
77	29.8	24.8	37.2	





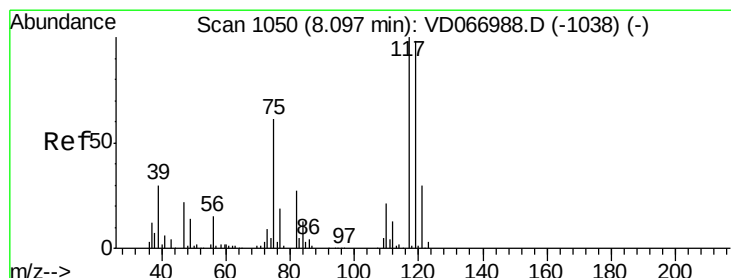
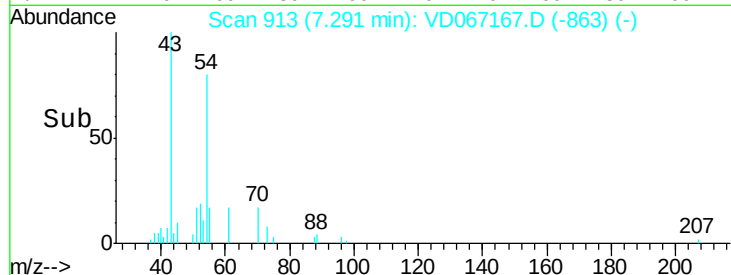
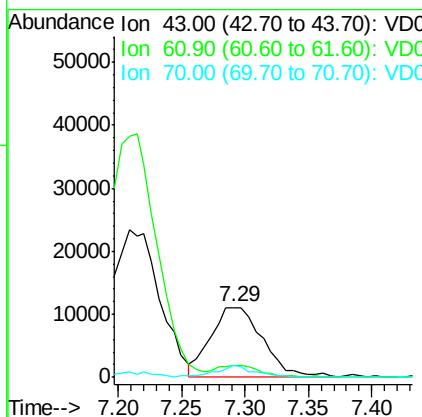
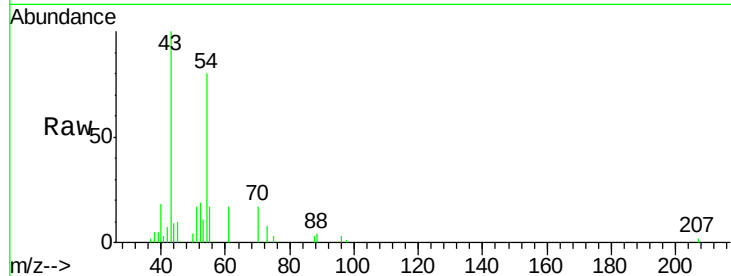
#37
Ethyl Acetate
Concen: 17.498 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067167.D
Acq: 07 Oct 2020 23:18

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	12.5	18.7
70	12.9	9.4	14.0

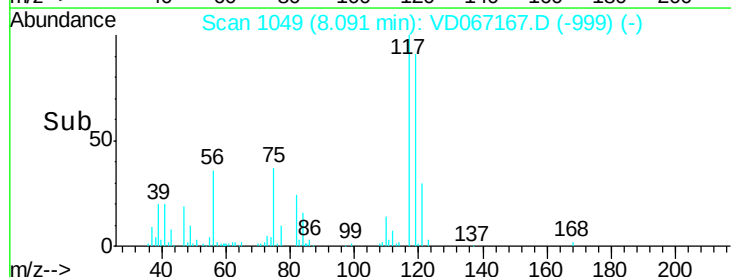
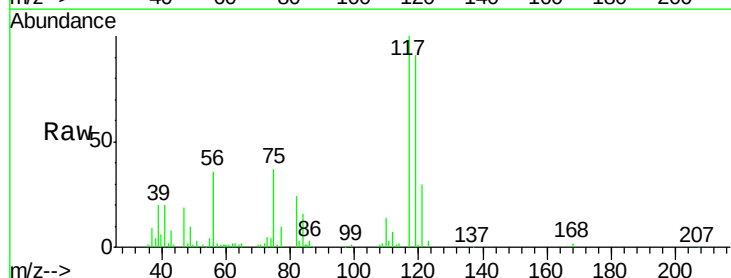
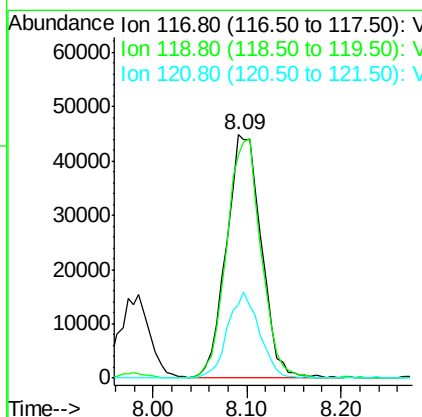
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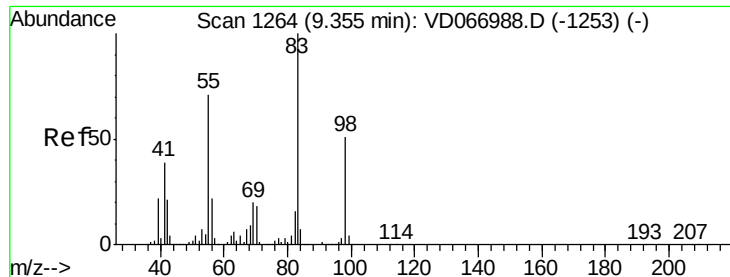
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.945 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD067167.D
Acq: 07 Oct 2020 23:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.5	78.7	118.1
121	30.2	24.2	36.2





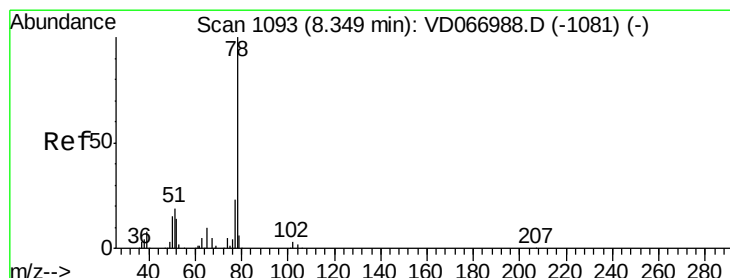
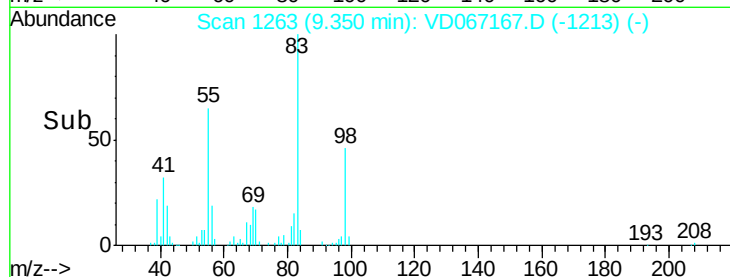
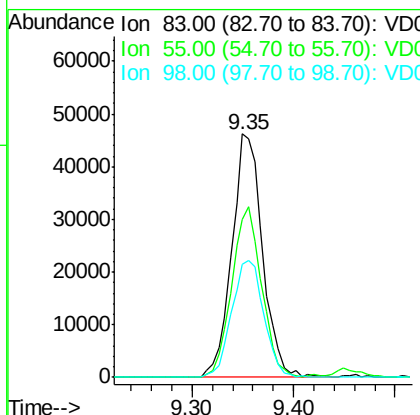
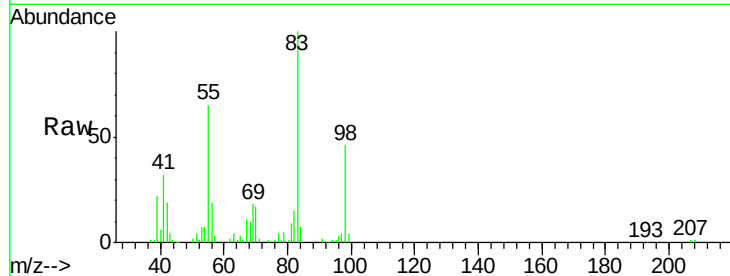
#39
Methylvlcyclohexane
Concen: 17.894 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD067167.D
Acq: 07 Oct 2020 23:18

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS02

Tot Ion	83	Resp	96840
Ion Ratio	100	Lower	Upper
55	64.9	57.1	85.7
98	46.3	40.9	61.3

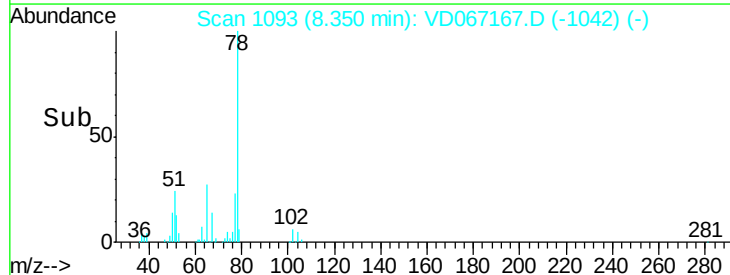
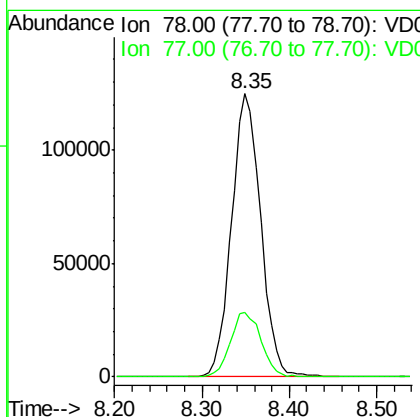
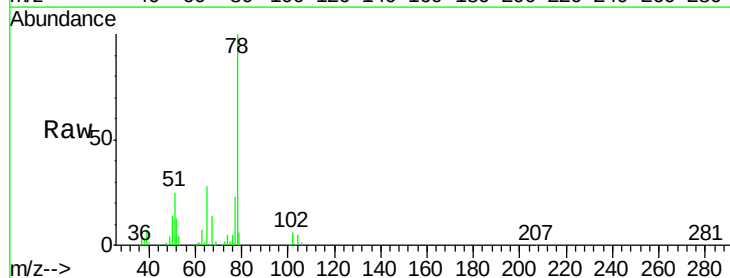
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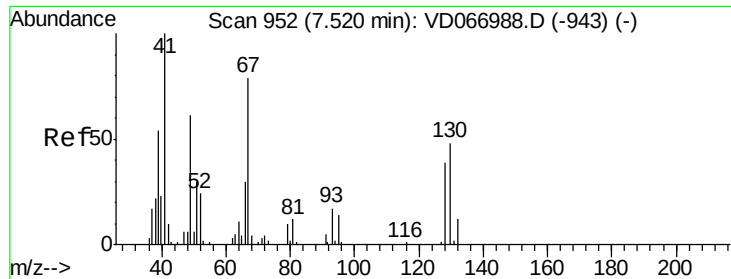
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#40
Benzene
Concen: 19.772 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067167.D
Acq: 07 Oct 2020 23:18

Tgt Ion	78	Resp	281124
Ion Ratio	100	Lower	Upper
77	22.7	18.4	27.6





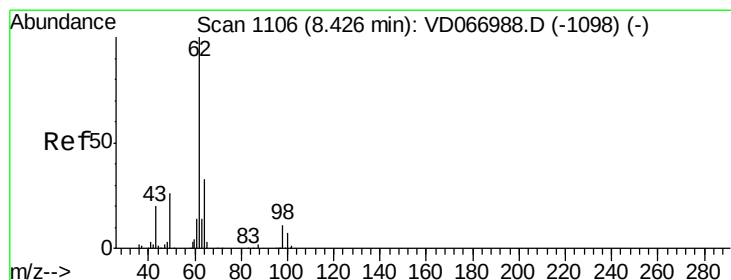
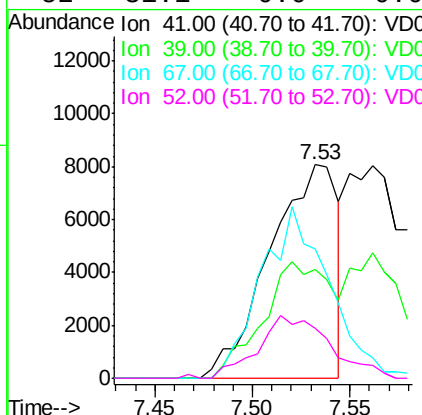
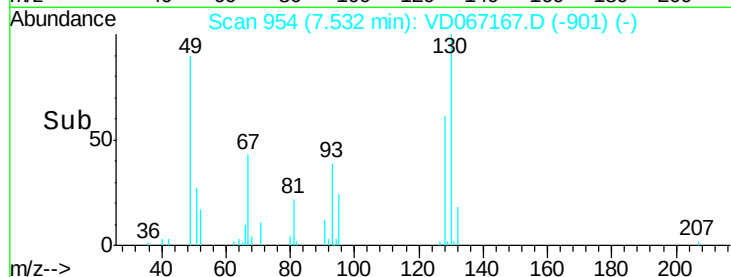
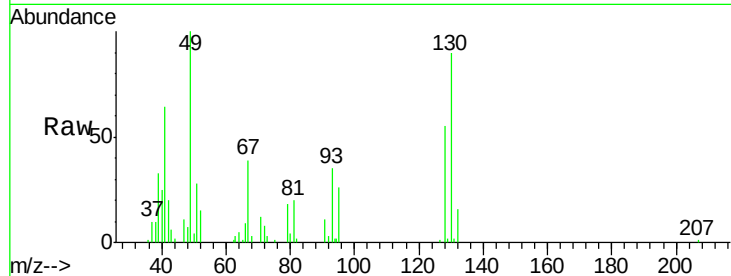
#41
Methacrylonitrile
Concen: 20.361 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD067167.D
Acq: 07 Oct 2020 23:18

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		19506		
39	54.7	0.0	0.0#		
67	80.6	0.0	0.0#		
52	31.1	0.0	0.0#		

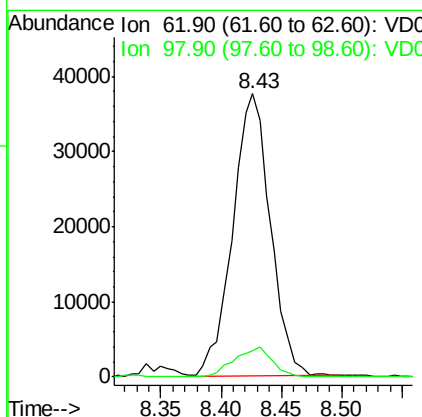
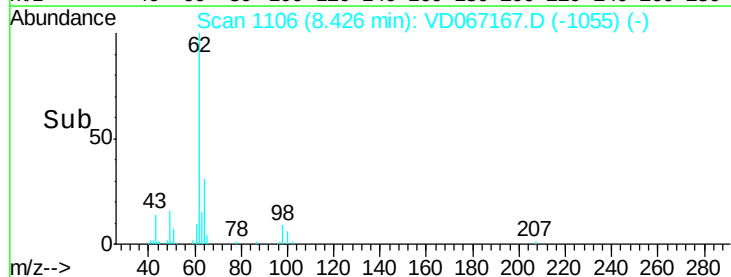
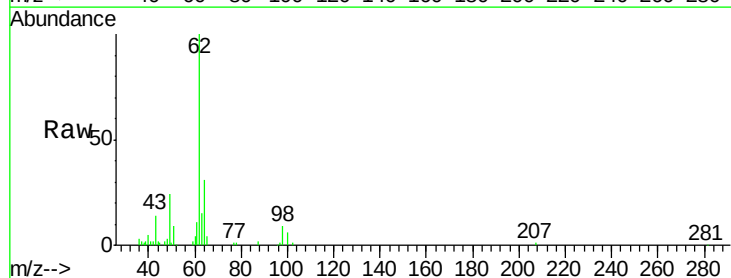
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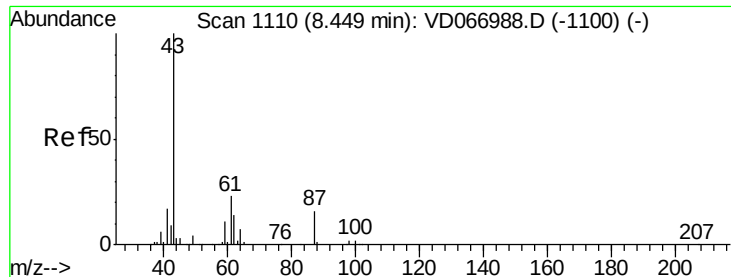
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.604 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067167.D
Acq: 07 Oct 2020 23:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		81858		
98	10.6	0.0	22.6		





#43

Isopropyl Acetate

Concen: 17.942 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VD067167.D

Acq: 07 Oct 2020 23:18

Instrument :

MSVOA_D

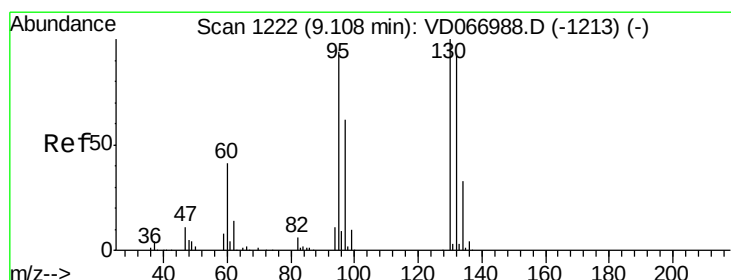
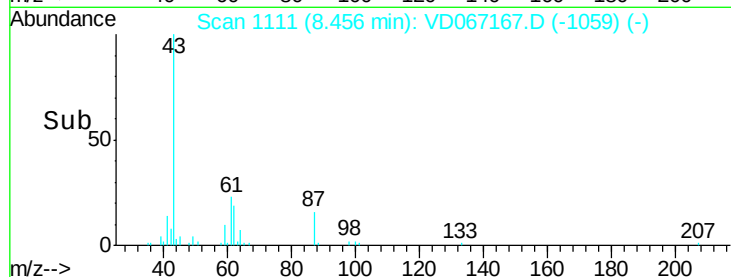
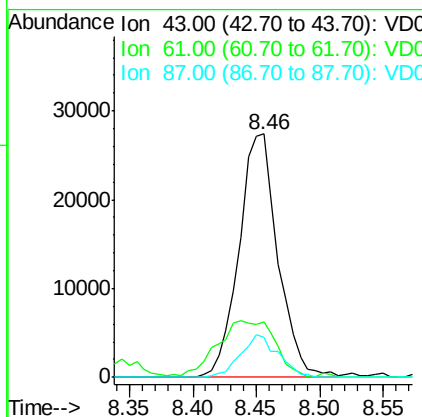
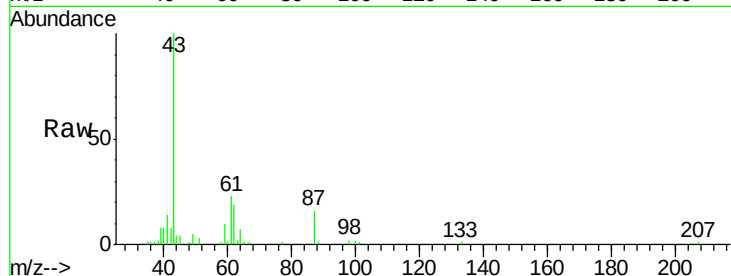
ClientSampleId :

VD1007SBS02

Tot Ion:	43	Resp:	58615
Ion	Ratio	Lower	Upper
43	100		
61	34.6	27.1	40.7
87	16.7	12.3	18.5

Manual Integrations
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10/8/2020 5:39:37 PM



#44

Trichloroethene

Concen: 20.202 ug/l

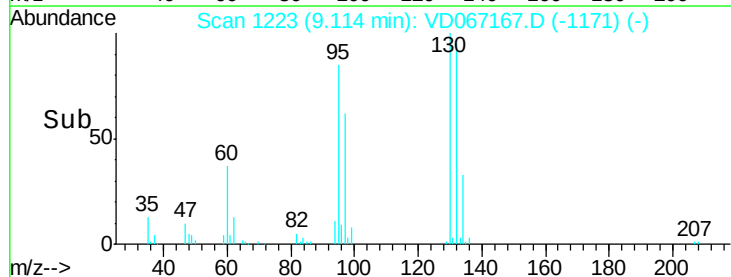
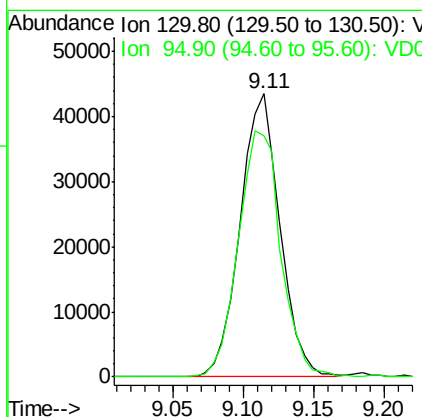
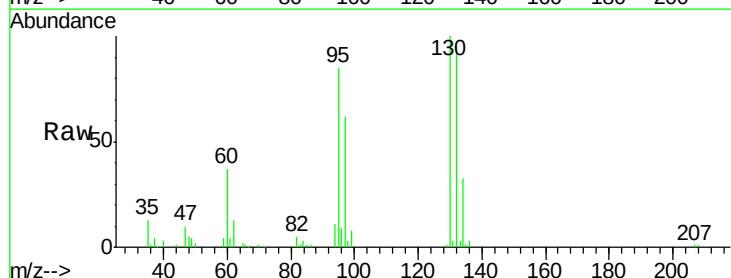
RT: 9.11 min Scan# 1223

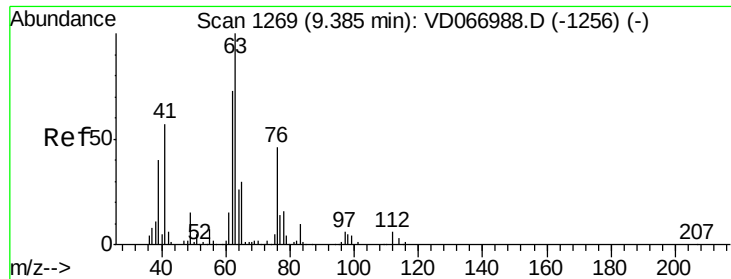
Delta R.T. 0.01 min

Lab File: VD067167.D

Acq: 07 Oct 2020 23:18

Tgt Ion:	130	Resp:	85768
Ion	Ratio	Lower	Upper
130	100		
95	85.3	0.0	187.8





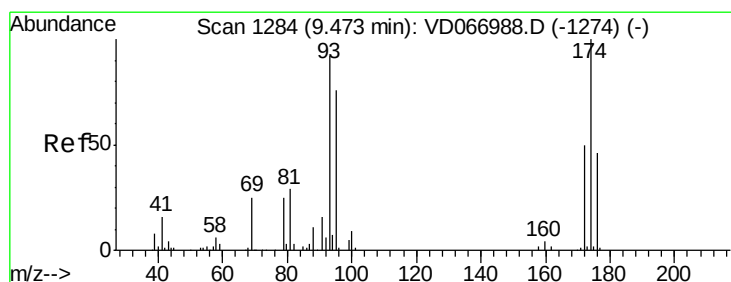
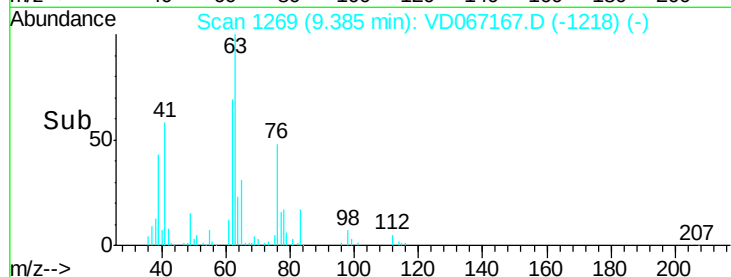
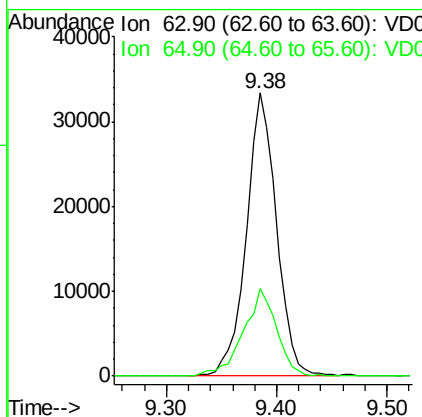
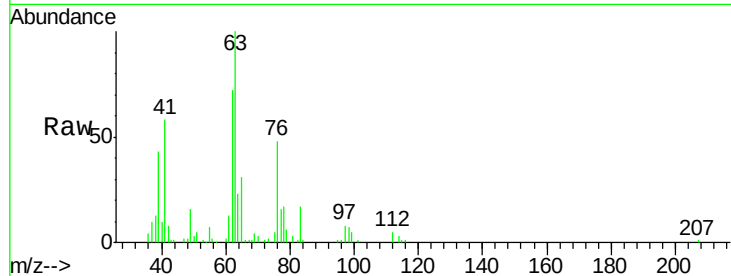
#45
 1,2-Dichloropropane
 Concen: 19.207 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD067167.D
 Acq: 07 Oct 2020 23:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS02

Tot Ion: 63 Resp: 64164
 Ion Ratio Lower Upper
 63 100
 65 30.7 23.7 35.5

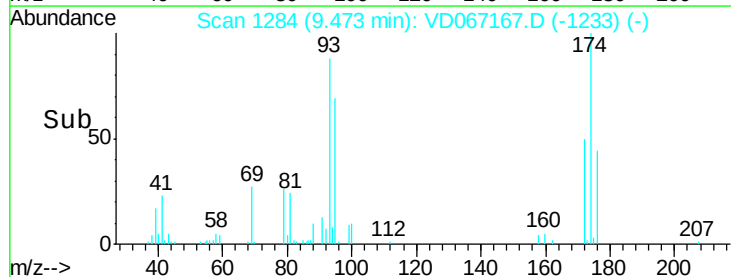
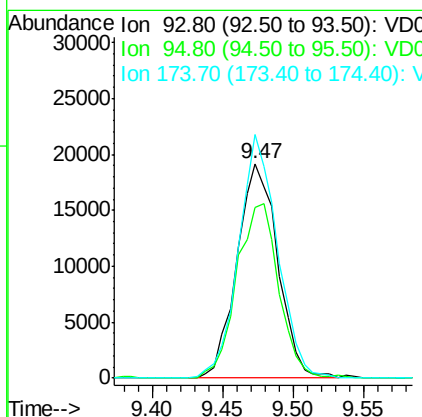
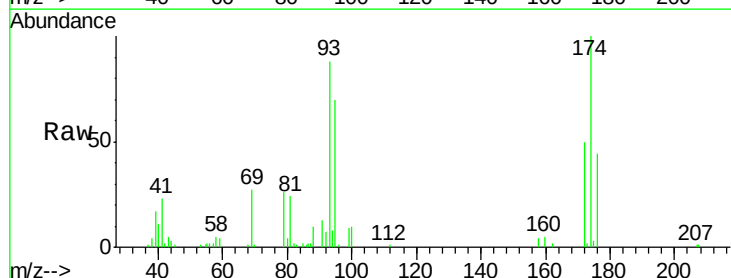
Manual Integrations
 APPROVED

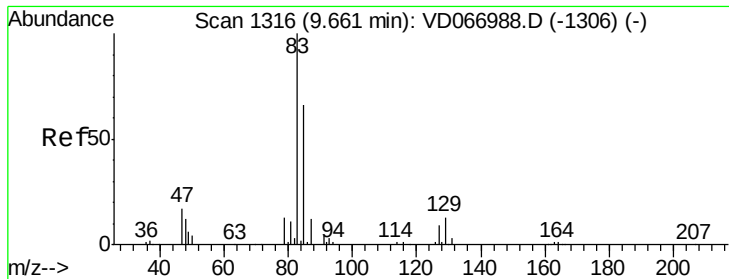
MMDadoda
 10/8/2020 5:39:37 PM



#46
 Dibromomethane
 Concen: 20.204 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VD067167.D
 Acq: 07 Oct 2020 23:18

Tgt Ion: 93 Resp: 38792
 Ion Ratio Lower Upper
 93 100
 95 83.3 64.7 97.1
 174 107.8 81.4 122.2





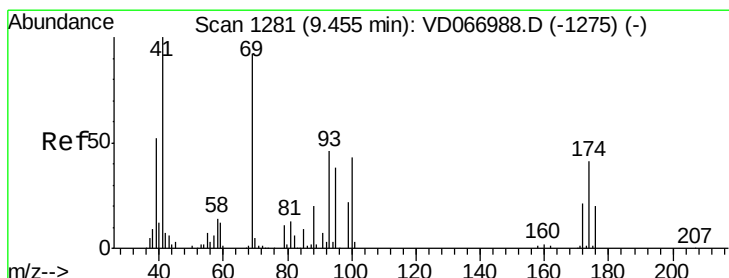
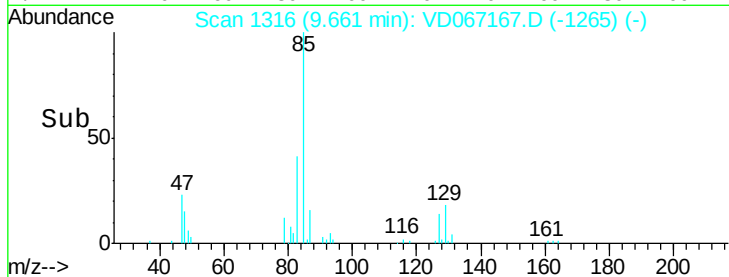
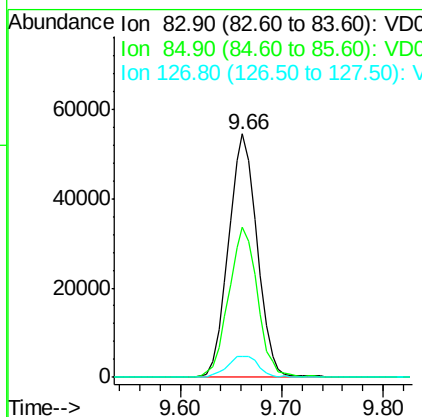
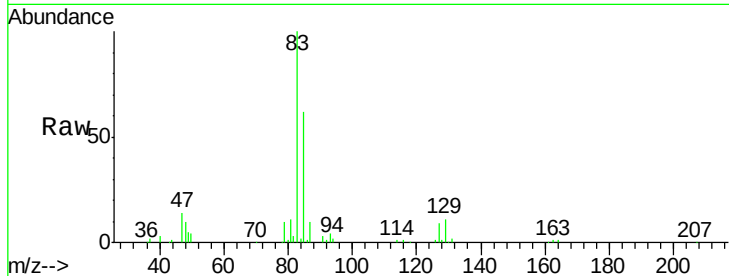
#47
 Bromodichloromethane
 Concen: 21.394 ug/l
 RT: 9.66 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VD067167.D
 Acq: 07 Oct 2020 23:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS02

Tot Ion	83	Resp	106777
Ion Ratio	100	Lower	Upper
83	100		
85	61.8	52.9	79.3
127	8.8	7.3	10.9

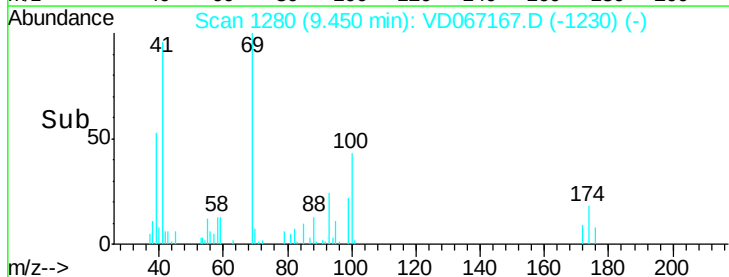
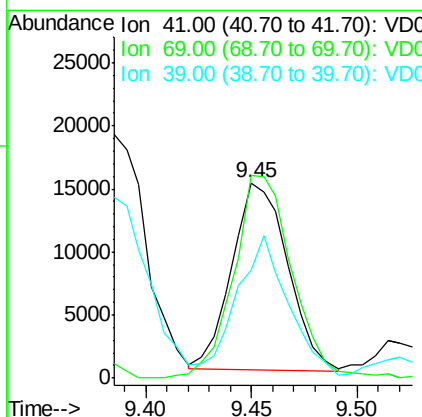
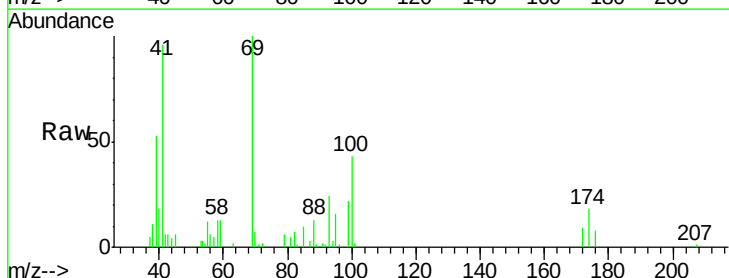
Manual Integrations
 APPROVED

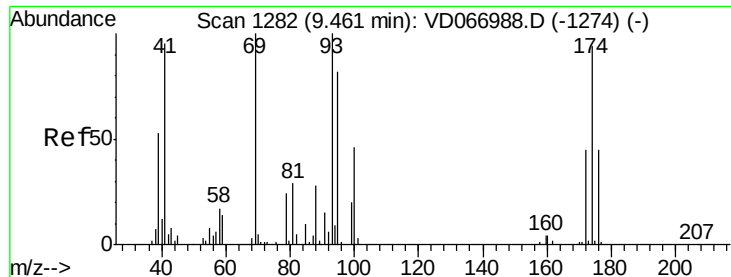
MMDadoda
 10/8/2020 5:39:37 PM



#48
 Methyl methacrylate
 Concen: 16.241 ug/l
 RT: 9.45 min Scan# 1280
 Delta R.T. -0.01 min
 Lab File: VD067167.D
 Acq: 07 Oct 2020 23:18

Tgt Ion	41	Resp	27182
Ion Ratio	100	Lower	Upper
41	100		
69	114.4	68.5	102.7#
39	72.7	40.2	60.2#





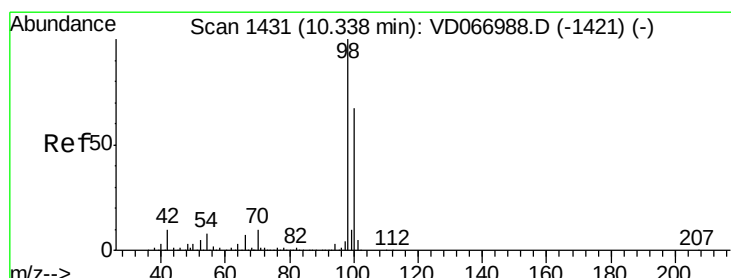
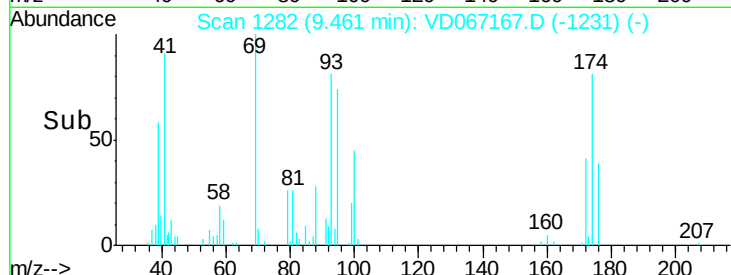
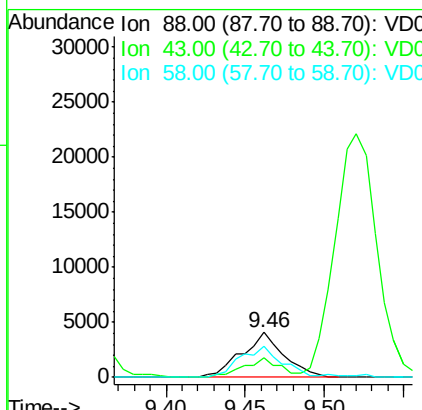
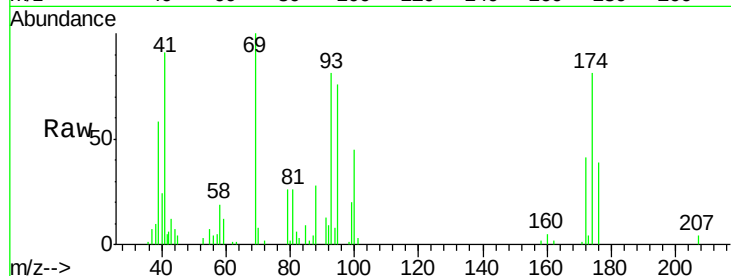
#49
1,4-Dioxane
Concen: 370.523 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067167.D
Acq: 07 Oct 2020 23:18

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.2	25.6	38.4#
58	69.5	53.5	80.3

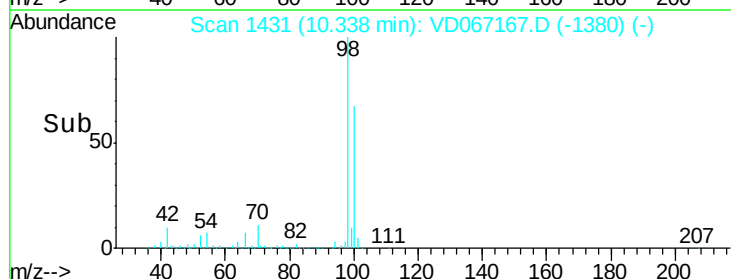
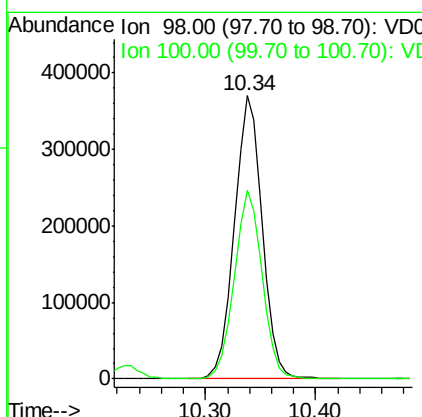
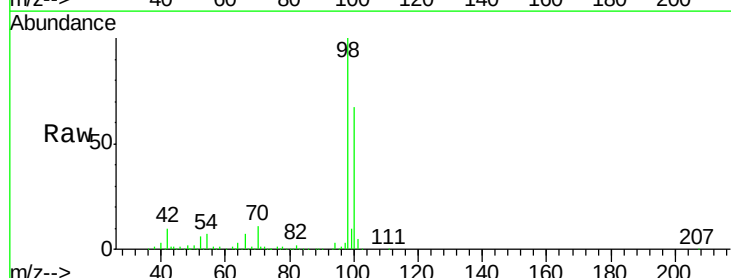
Manual Integrations
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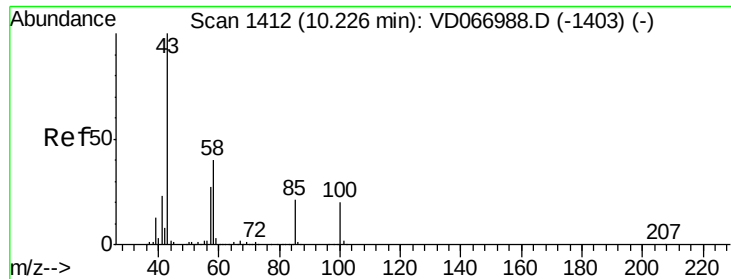
MMDadoda
10/8/2020 5:39:37 PM



#50
Toluene-d8
Concen: 50.046 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067167.D
Acq: 07 Oct 2020 23:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 89.838 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD067167.D

Acq: 07 Oct 2020 23:18

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS02

Tot Ion: 43 Resp: 146185

Ion Ratio Lower Upper

43 100

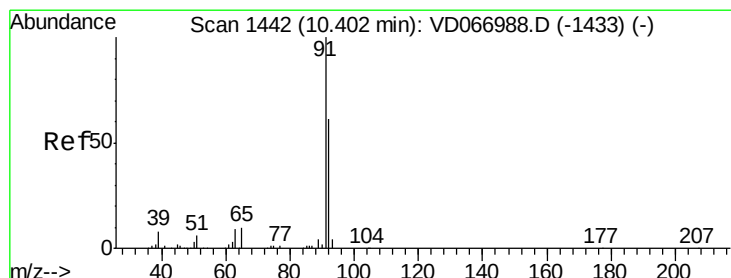
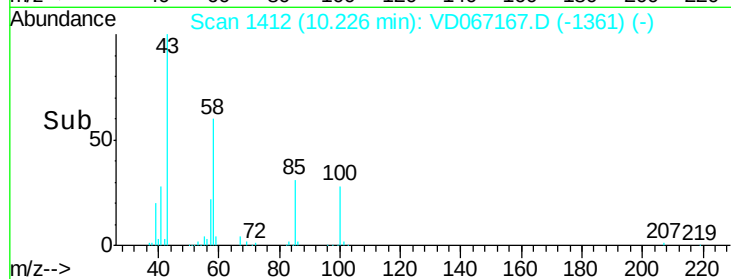
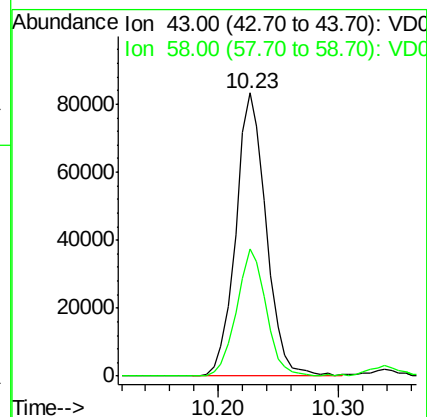
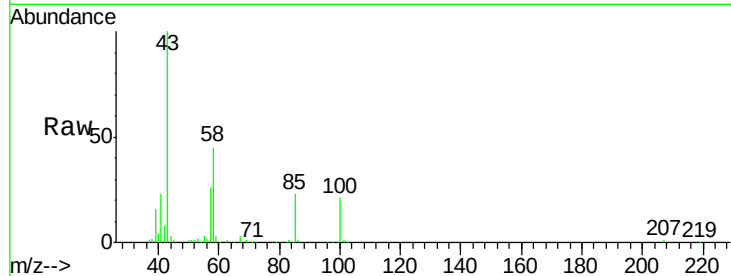
58 43.8 33.8 50.8

Manual Integrations

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MMDadoda

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#52

Toluene

Concen: 20.507 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD067167.D

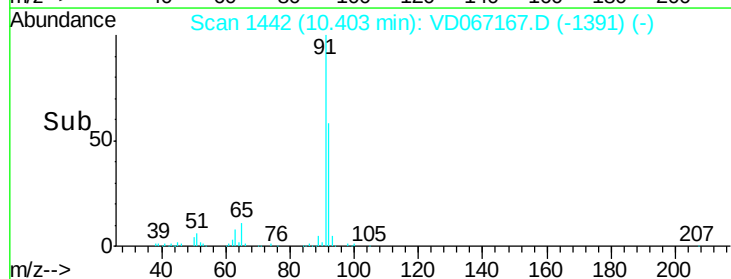
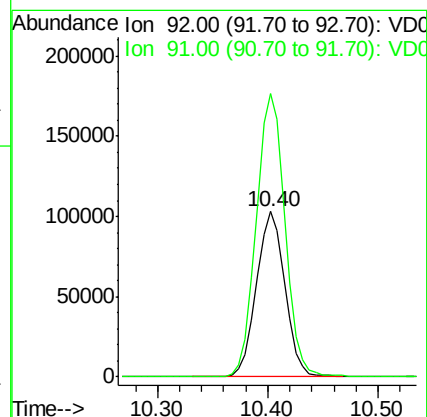
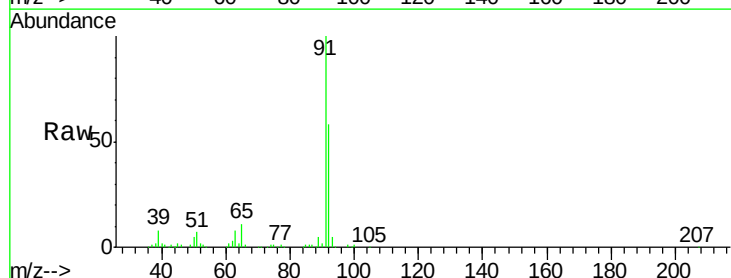
Acq: 07 Oct 2020 23:18

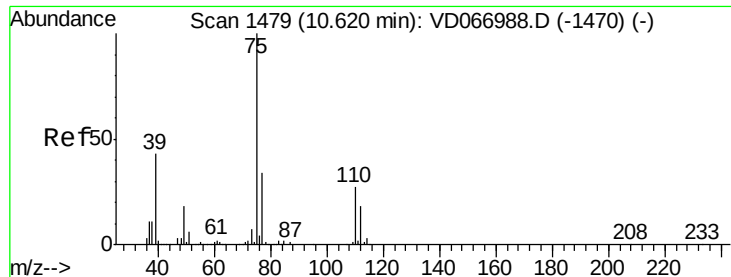
Tgt Ion: 92 Resp: 187820

Ion Ratio Lower Upper

92 100

91 172.1 135.1 202.7





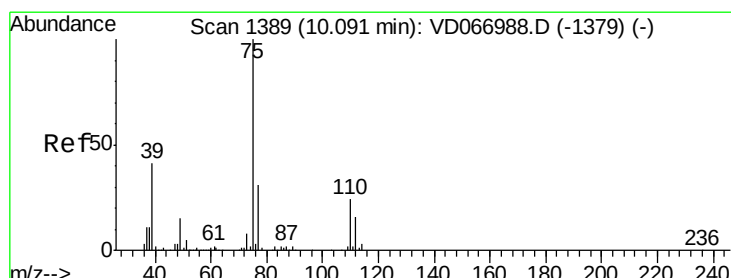
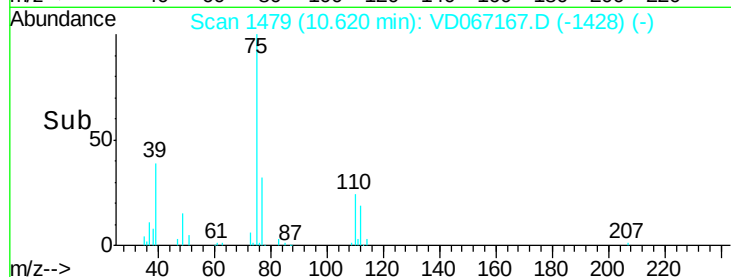
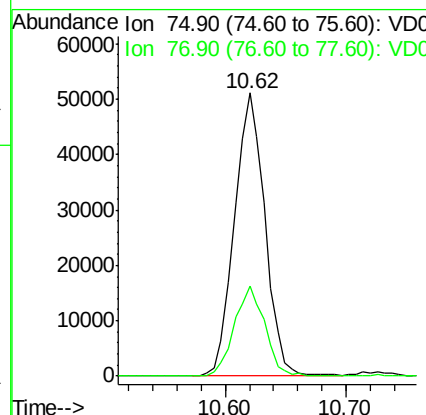
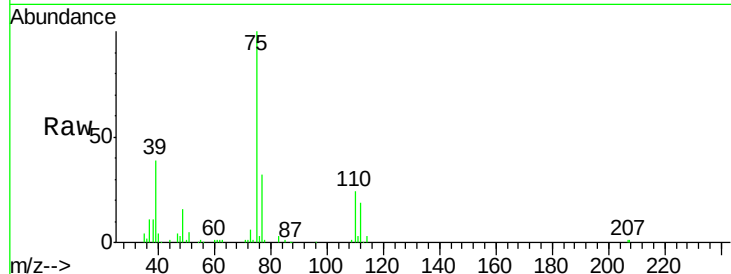
#53
 t-1,3-Dichloropropene
 Concen: 20.142 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD067167.D
 Acq: 07 Oct 2020 23:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS02

Tot Ion	75	Resp	89848
Ion Ratio	Lower	Upper	
75	100		
77	31.9	27.1	40.7

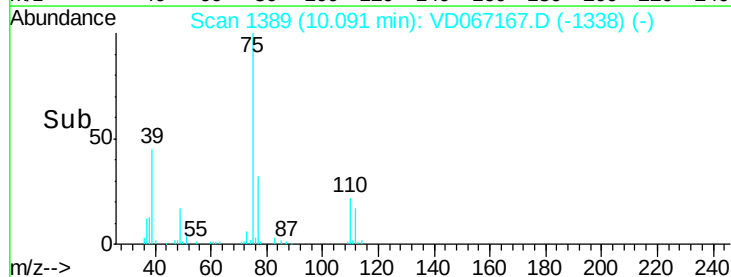
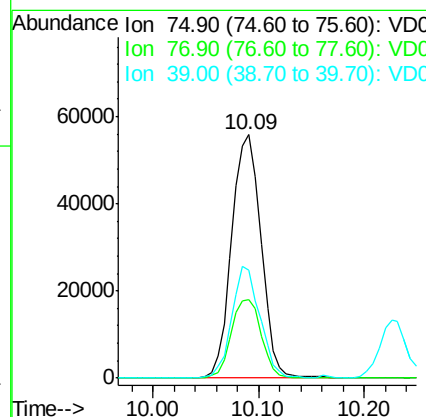
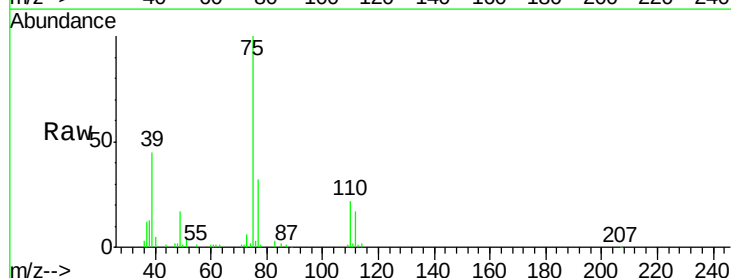
Manual Integrations
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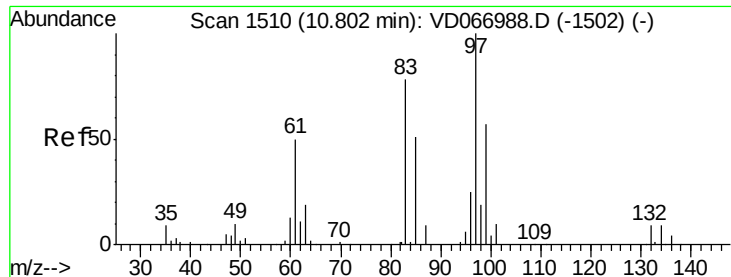
MMDadoda
 10/8/2020 5:39:37 PM



#54
 cis-1,3-Dichloropropene
 Concen: 19.771 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD067167.D
 Acq: 07 Oct 2020 23:18

Tgt Ion	75	Resp	107690
Ion Ratio	Lower	Upper	
75	100		
77	32.0	24.6	37.0
39	44.6	33.0	49.4





#55

1,1,2-Trichloroethane

Concen: 20.663 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD067167.D

Acq: 07 Oct 2020 23:18

Instrument :

MSVOA_D

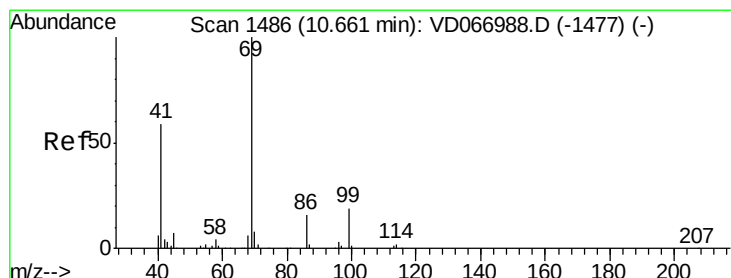
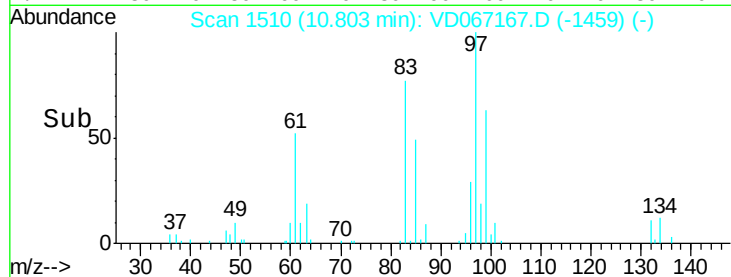
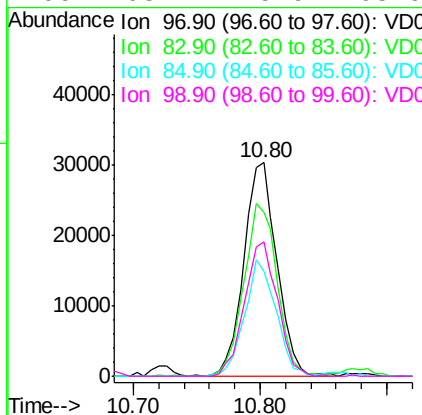
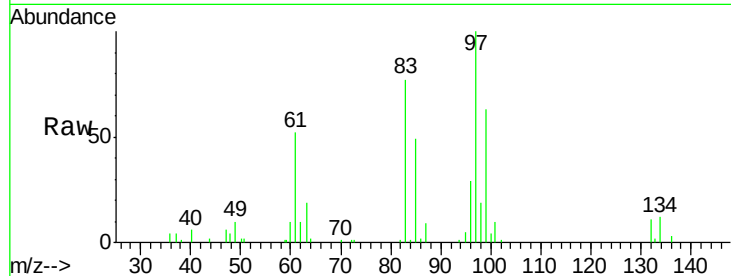
ClientSampleId :

VD1007SBS02

Tot Ion:	97	Resp:	55160
Ion Ratio	Lower	Upper	
97	100		
83	77.0	62.4	93.6
85	49.1	41.0	61.4
99	63.1	45.9	68.9

Manual Integrations
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10/8/2020 5:39:37 PM



#56

Ethyl methacrylate

Concen: 20.166 ug/l

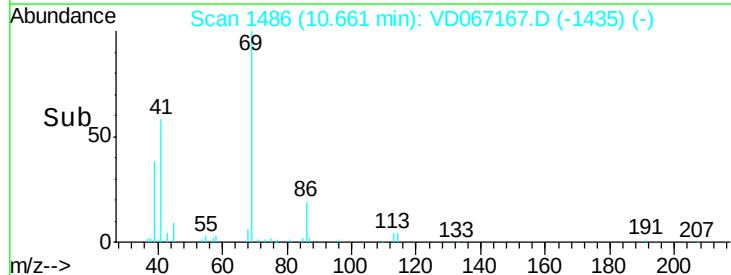
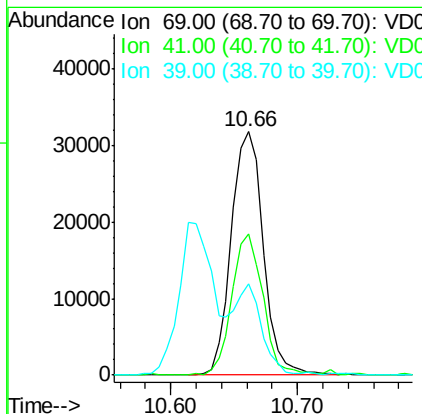
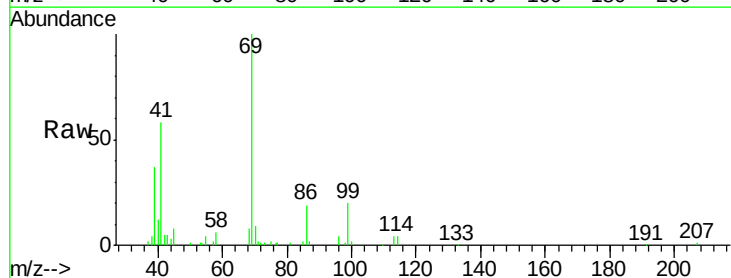
RT: 10.66 min Scan# 1486

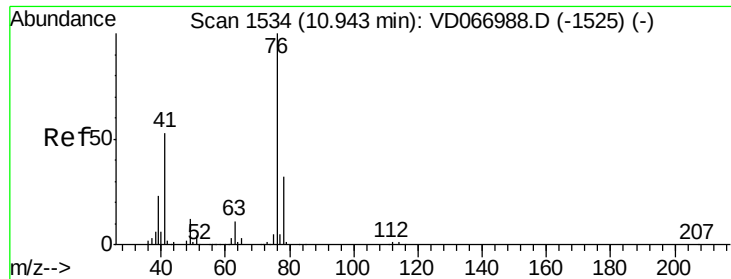
Delta R.T. 0.00 min

Lab File: VD067167.D

Acq: 07 Oct 2020 23:18

Tgt Ion:	69	Resp:	55578
Ion Ratio	Lower	Upper	
69	100		
41	56.5	46.4	69.6
39	32.2	23.8	35.6





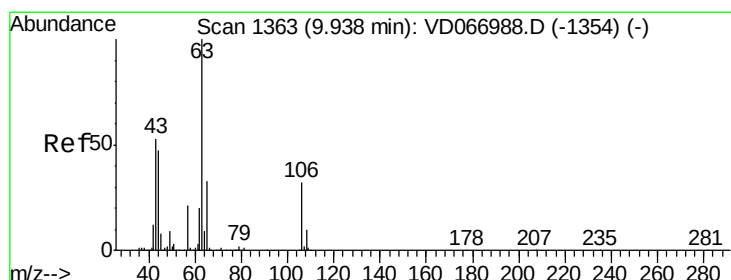
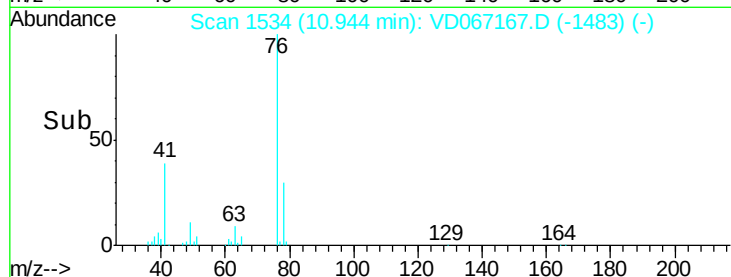
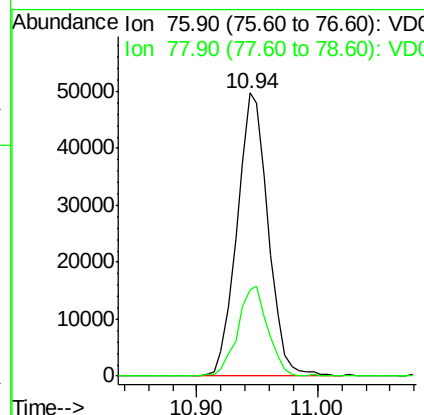
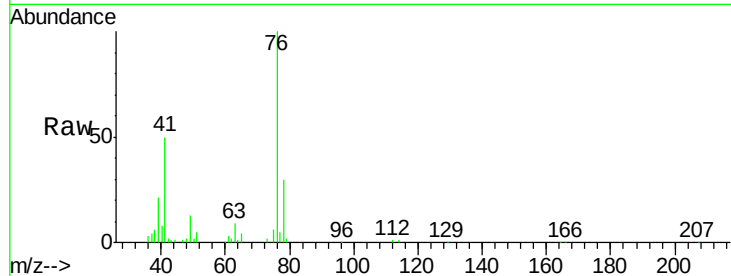
#57
 1,3-Dichloropropane
 Concen: 20.575 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD067167.D
 Acq: 07 Oct 2020 23:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS02

Tot Ion: 76 Resp: 89067
 Ion Ratio Lower Upper
 76 100
 78 30.7 25.8 38.8

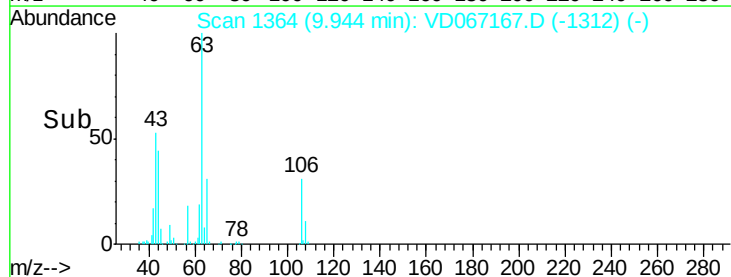
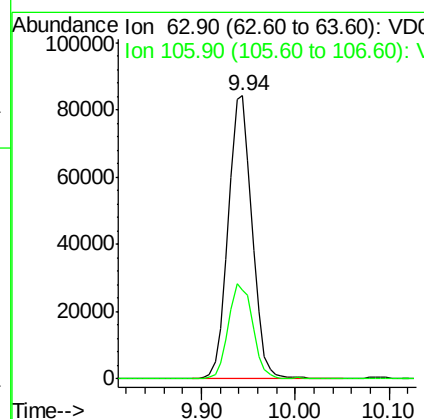
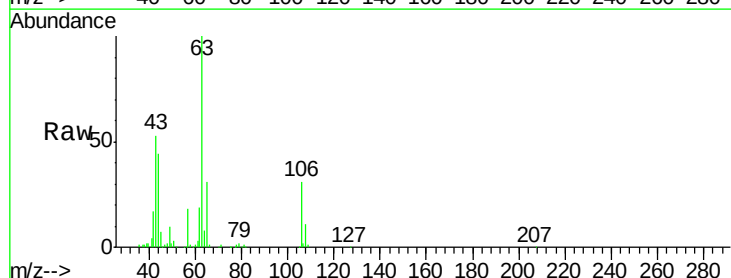
Manual Integrations
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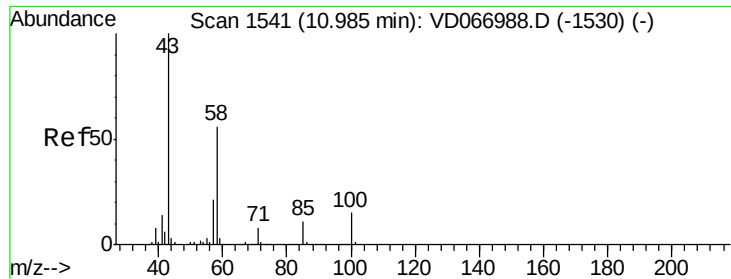
MMDadoda
 10/8/2020 5:39:37 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.329 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.01 min
 Lab File: VD067167.D
 Acq: 07 Oct 2020 23:18

Tgt Ion: 63 Resp: 149300
 Ion Ratio Lower Upper
 63 100
 106 34.3 25.3 37.9





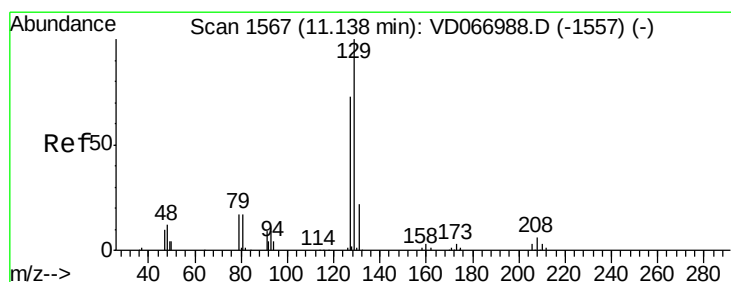
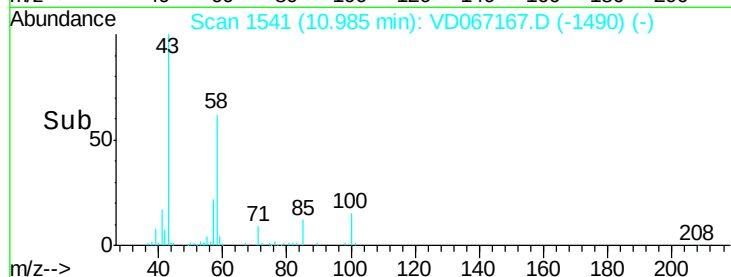
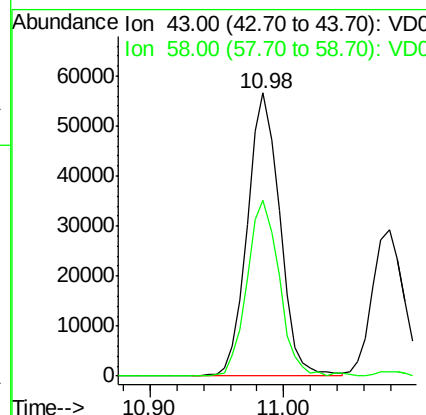
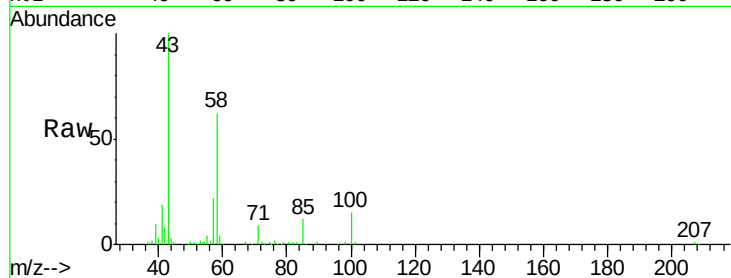
#59
2-Hexanone
Concen: 87.406 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD067167.D
Acq: 07 Oct 2020 23:18

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS02

Tot Ion: 43 Resp: 94928
Ion Ratio Lower Upper
43 100
58 61.4 28.3 84.9

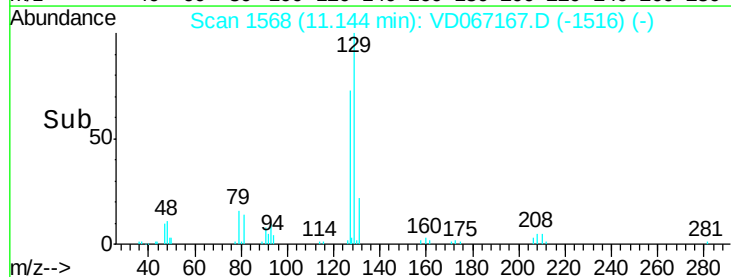
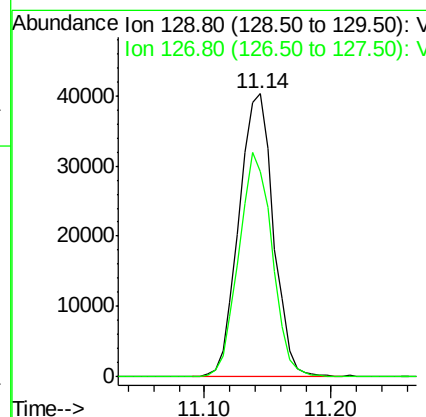
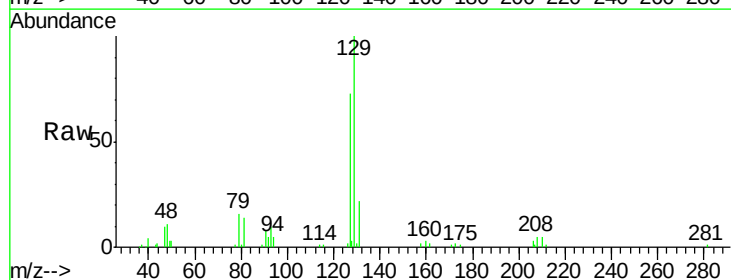
Manual Integrations
APPROVED

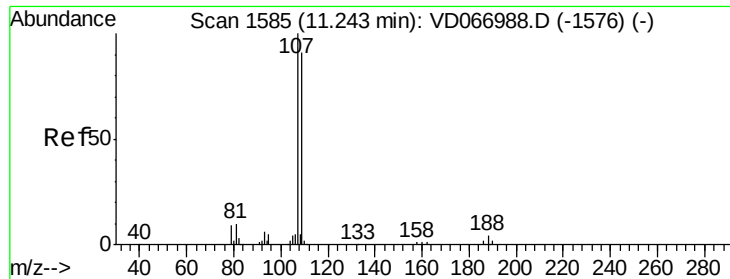
MMDadoda
10/8/2020 5:39:37 PM



#60
Dibromochloromethane
Concen: 21.298 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD067167.D
Acq: 07 Oct 2020 23:18

Tgt Ion: 129 Resp: 75778
Ion Ratio Lower Upper
129 100
127 77.1 37.4 112.1





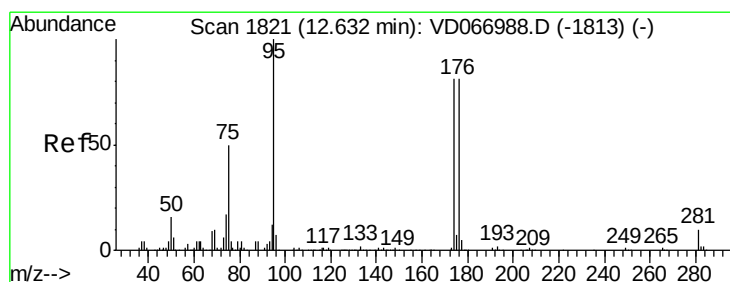
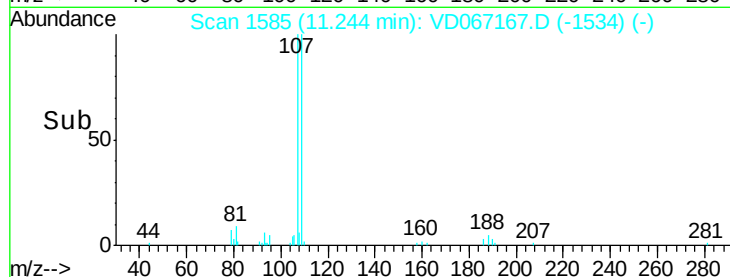
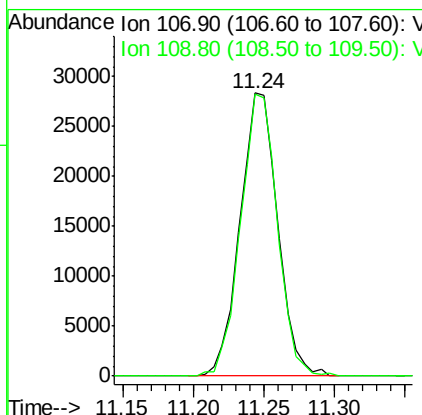
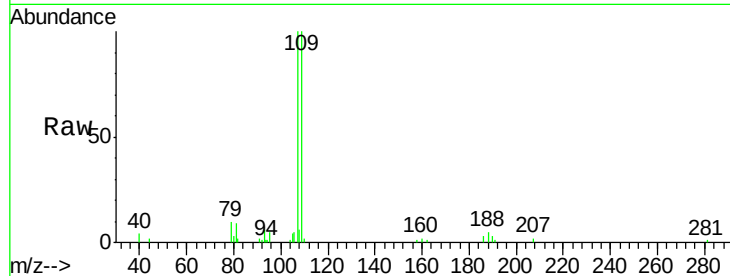
#61
 1,2-Dibromoethane
 Concen: 20.683 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD067167.D
 Acq: 07 Oct 2020 23:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS02

Tot Ion: 107 Resp: 53045
 Ion Ratio Lower Upper
 107 100
 109 97.1 74.0 111.0

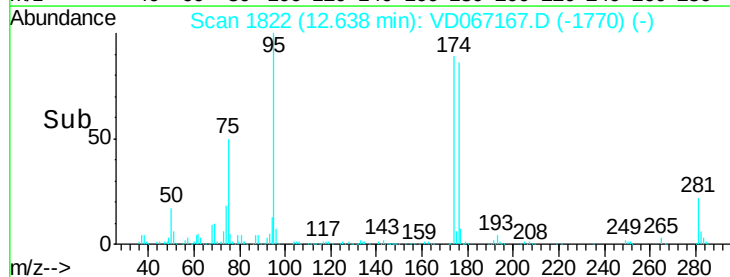
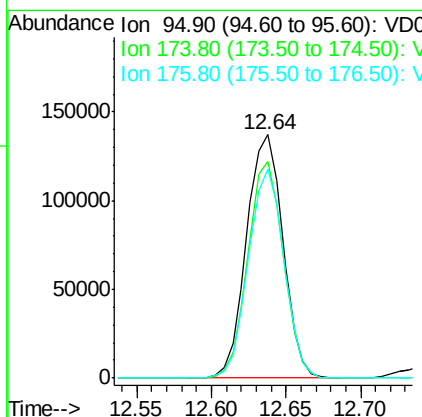
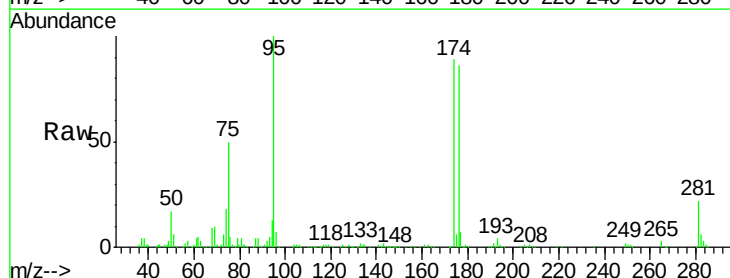
Manual Integrations
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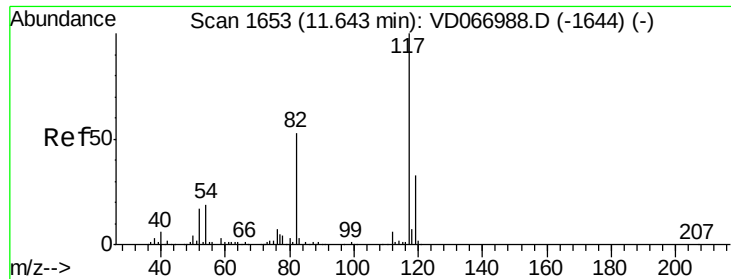
MMDadoda
 10/8/2020 5:39:37 PM



#62
 4-Bromofluorobenzene
 Concen: 51.939 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.01 min
 Lab File: VD067167.D
 Acq: 07 Oct 2020 23:18

Tgt Ion: 95 Resp: 230996
 Ion Ratio Lower Upper
 95 100
 174 87.0 0.0 167.6
 176 84.0 0.0 162.4





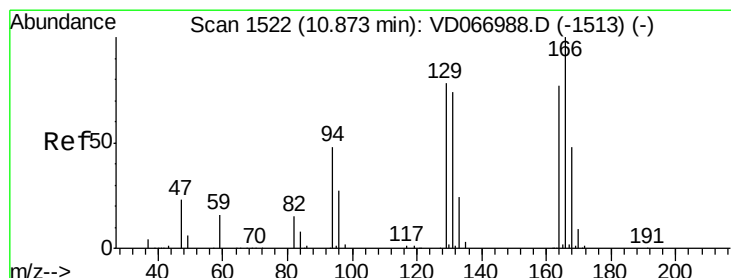
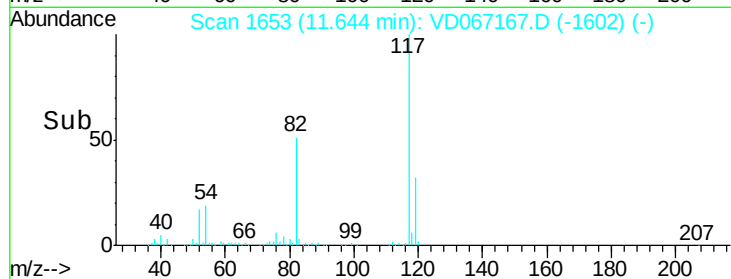
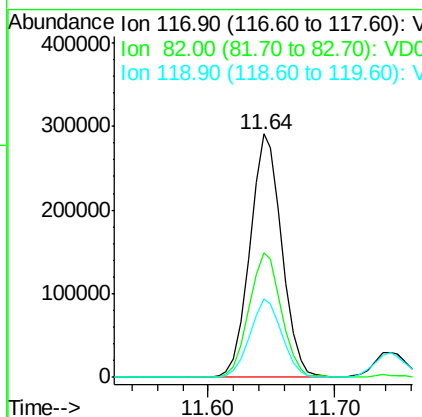
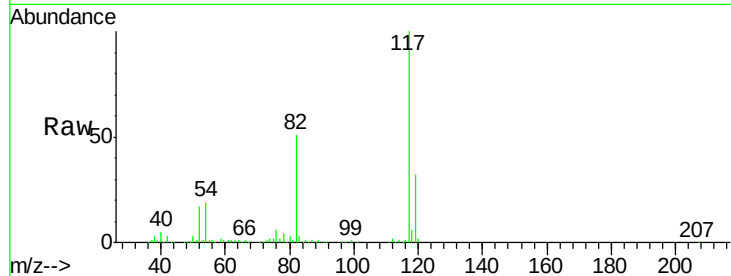
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067167.D
Acq: 07 Oct 2020 23:18

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	506519		
82	51.4		42.6	63.8
119	32.3		26.3	39.5

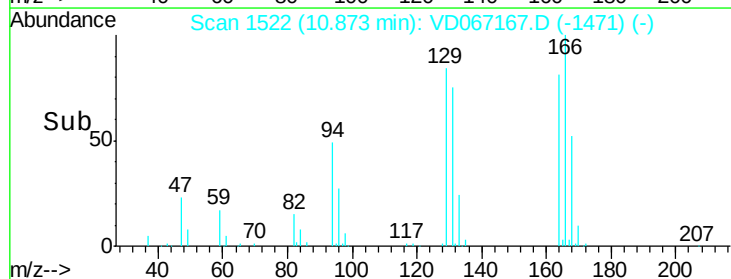
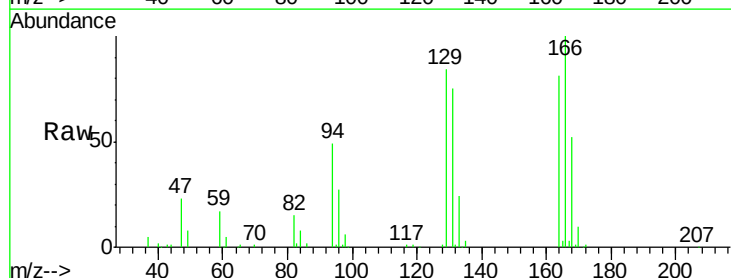
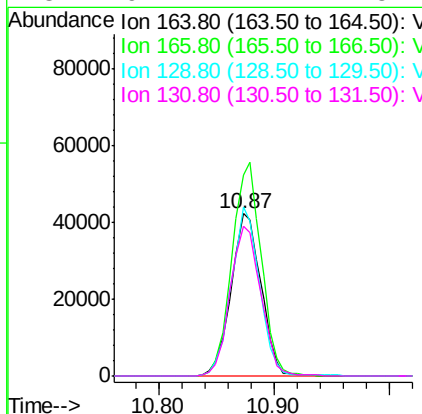
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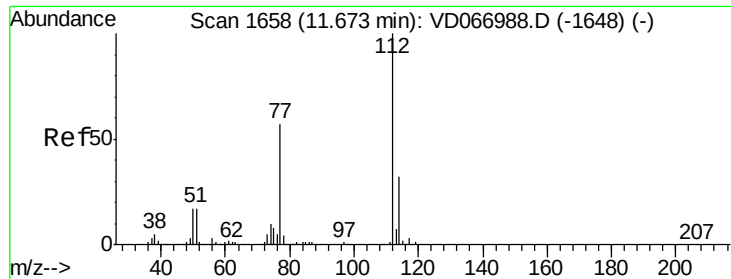
MMDadoda
10/8/2020 5:39:37 PM



#64
Tetrachloroethene
Concen: 20.636 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD067167.D
Acq: 07 Oct 2020 23:18

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	75990		
166	123.8		104.4	156.6
129	104.0		81.3	121.9
131	92.7		77.1	115.7





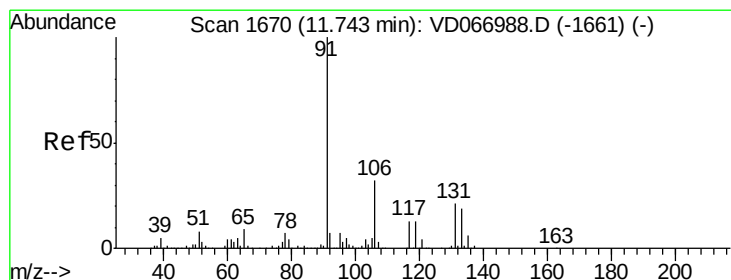
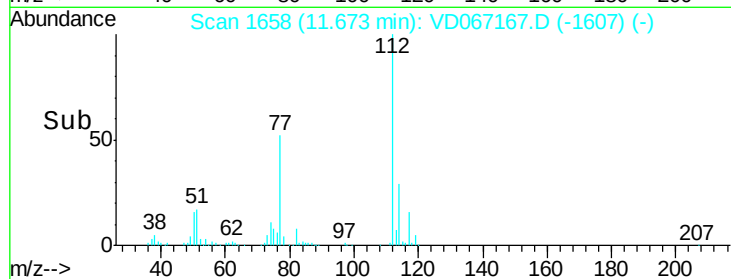
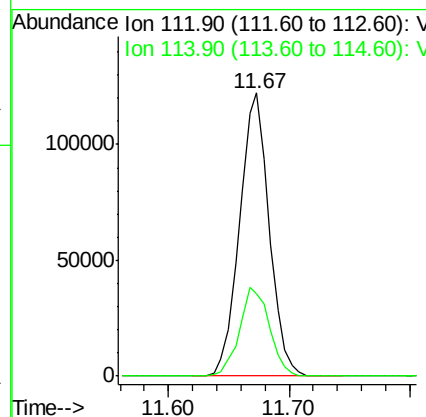
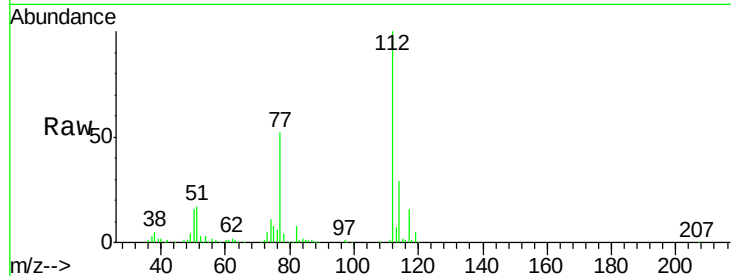
#65
Chlorobenzene
Concen: 20.712 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067167.D
Acq: 07 Oct 2020 23:18

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS02

Tot Ion	Ratio	Resp	Lower	Upper
112	100	208652		
114	29.3	25.4	38.0	

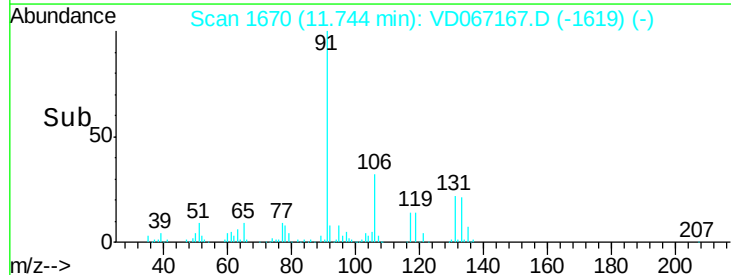
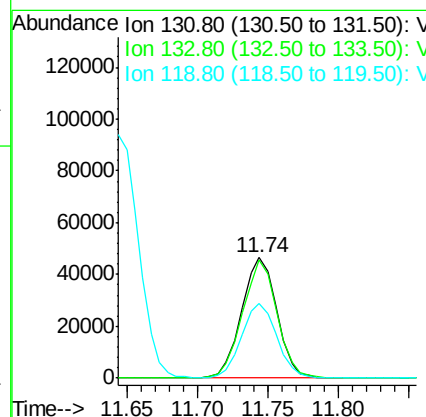
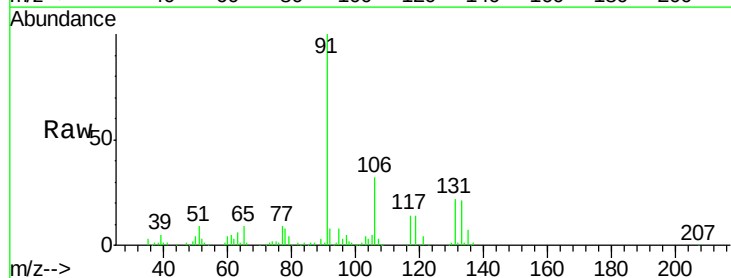
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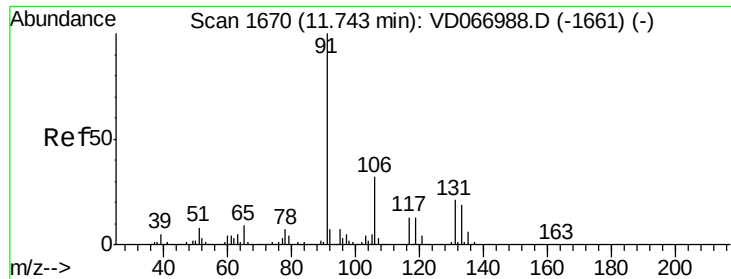
MMDadoda
10/8/2020 5:39:37 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.083 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067167.D
Acq: 07 Oct 2020 23:18

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	80790		
133	97.3	47.8	143.3	
119	62.7	32.3	96.8	





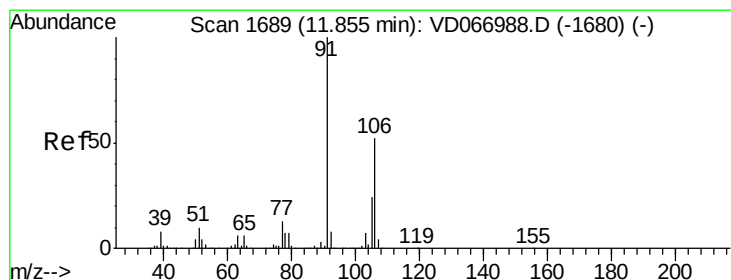
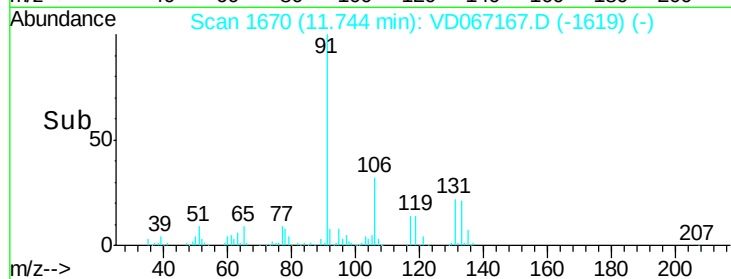
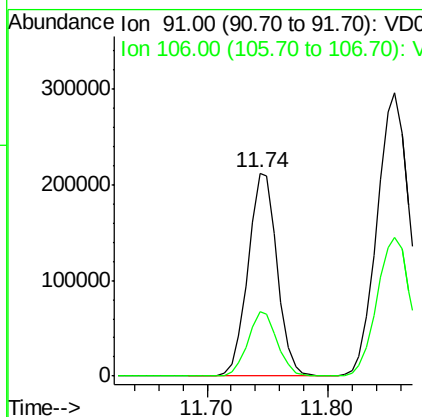
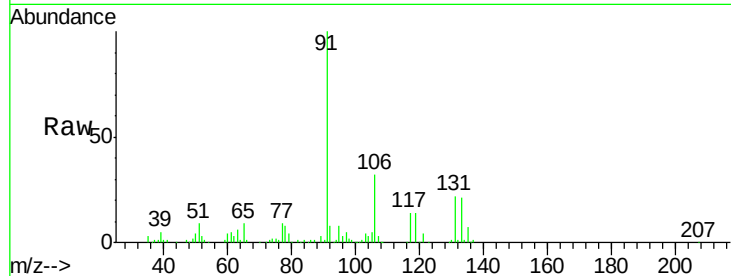
#67
Ethyl Benzene
Concen: 20.599 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067167.D
Acq: 07 Oct 2020 23:18

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS02

Tot Ion: 91 Resp: 355564
Ion Ratio Lower Upper
91 100
106 31.9 25.4 38.2

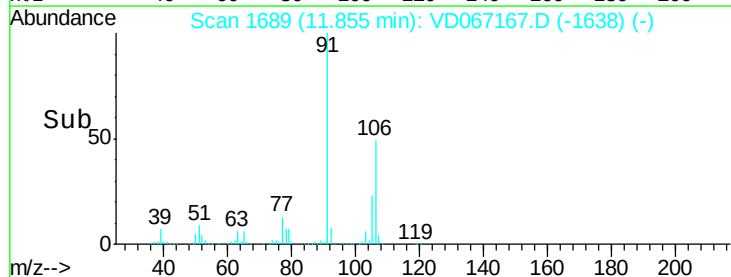
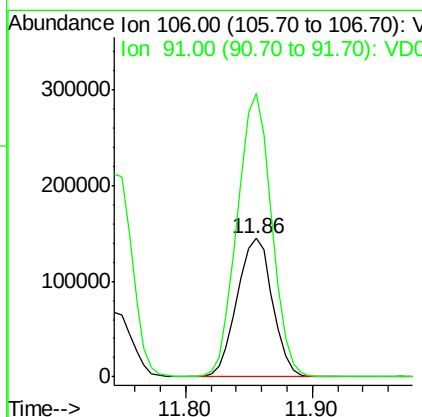
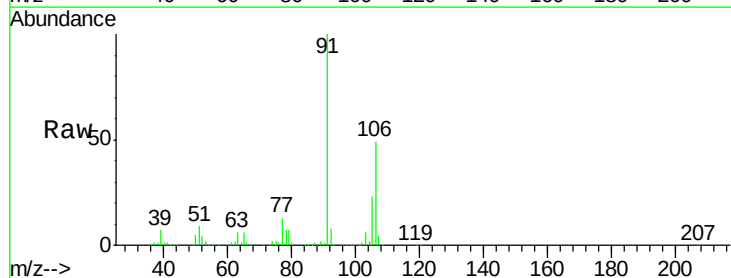
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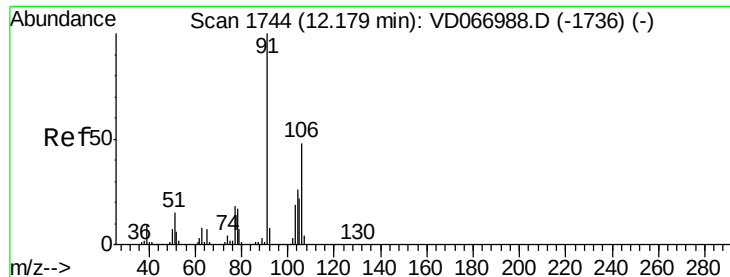
MMDadoda
10/8/2020 5:39:37 PM



#68
m/p-Xylenes
Concen: 41.745 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067167.D
Acq: 07 Oct 2020 23:18

Tgt Ion: 106 Resp: 280813
Ion Ratio Lower Upper
106 100
91 198.7 158.4 237.6





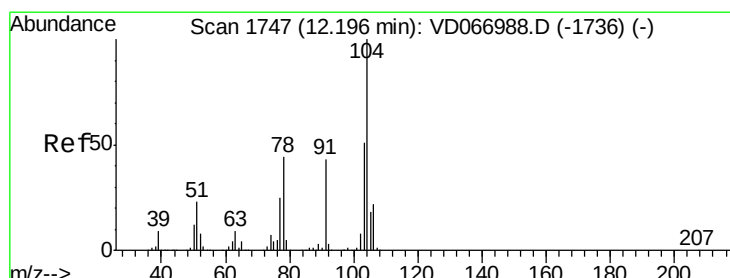
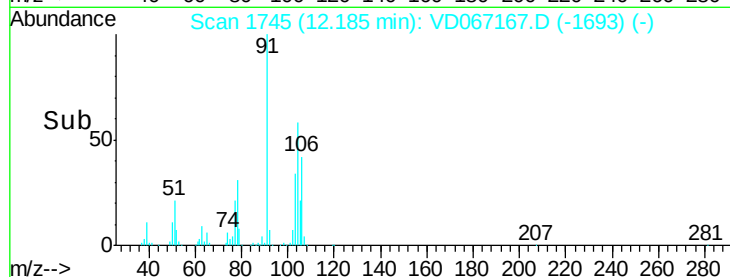
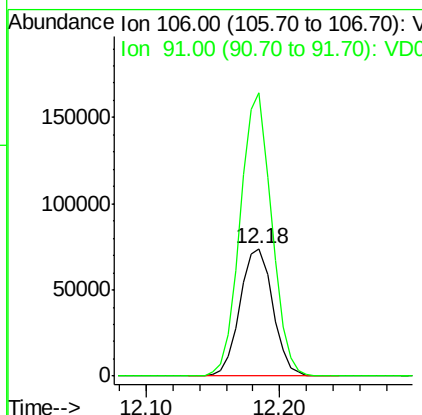
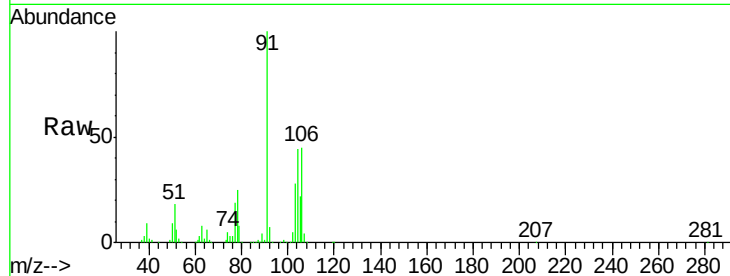
#69
o-Xylene
Concen: 21.020 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD067167.D
Acq: 07 Oct 2020 23:18

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS02

Tot Ion:106 Resp: 126446
Ion Ratio Lower Upper
106 100
91 211.6 102.4 307.2

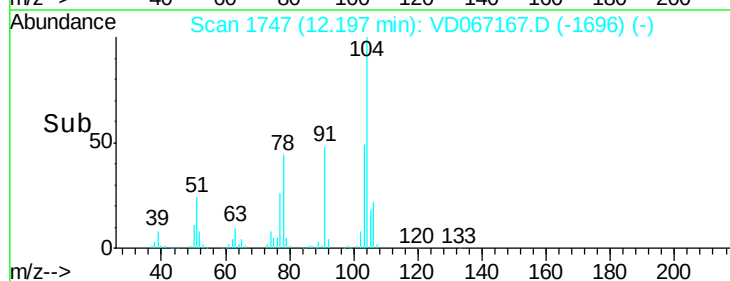
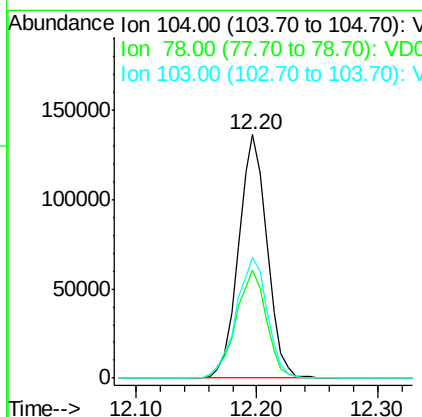
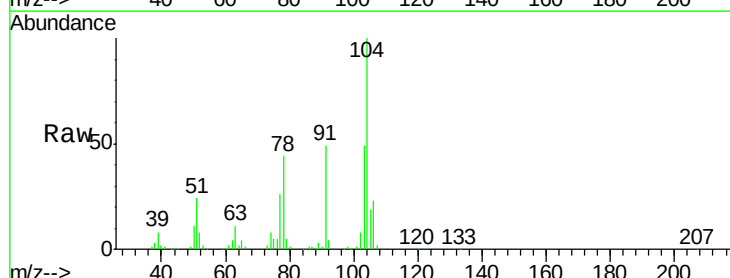
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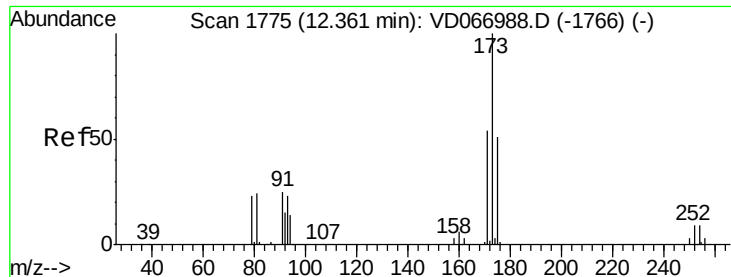
MMDadoda
10/8/2020 5:39:37 PM



#70
Styrene
Concen: 21.696 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067167.D
Acq: 07 Oct 2020 23:18

Tgt Ion:104 Resp: 224109
Ion Ratio Lower Upper
104 100
78 47.5 38.6 58.0
103 54.5 43.4 65.0





#71

Bromoform

Concen: 21.990 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD067167.D

Acq: 07 Oct 2020 23:18

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS02

Tot Ion:173 Resp: 43742

Ion Ratio Lower Upper

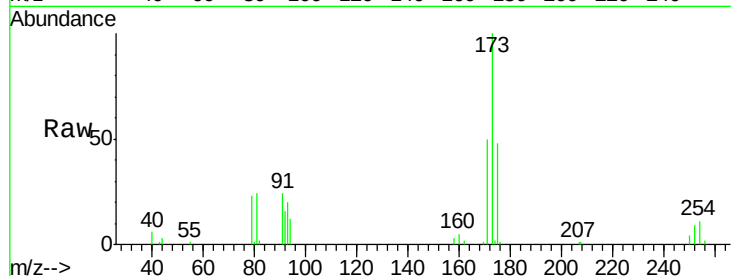
173 100

175 46.4 24.9 74.7

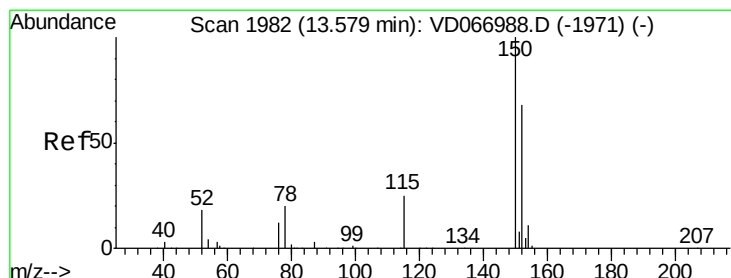
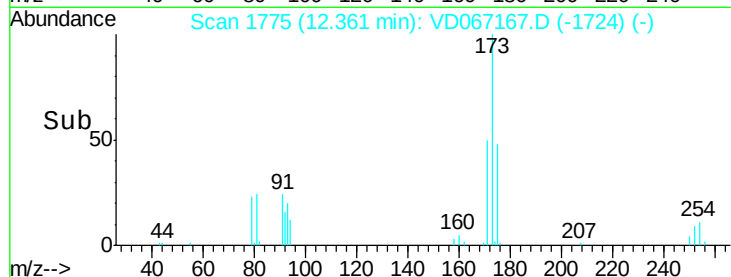
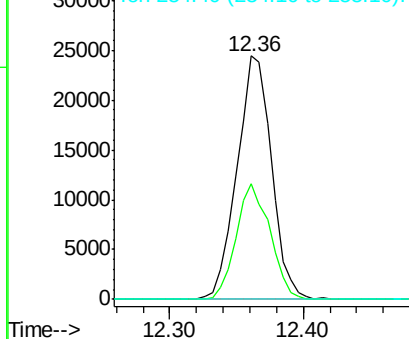
254 0.0 0.2 0.4#

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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. 0.00 min

Lab File: VD067167.D

Acq: 07 Oct 2020 23:18

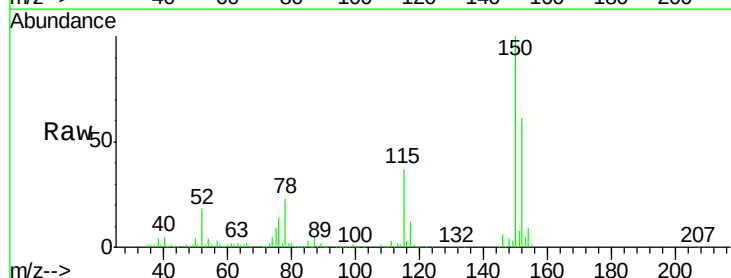
Tgt Ion:152 Resp: 250485

Ion Ratio Lower Upper

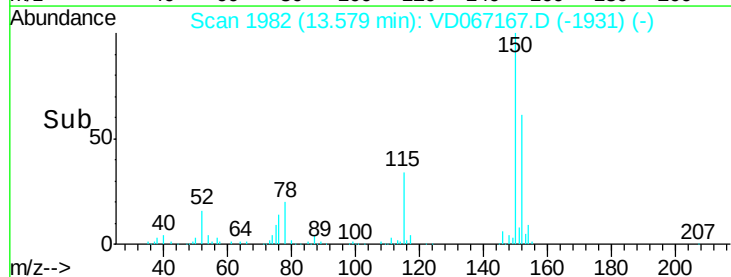
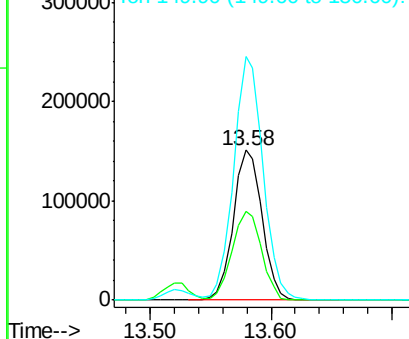
152 100

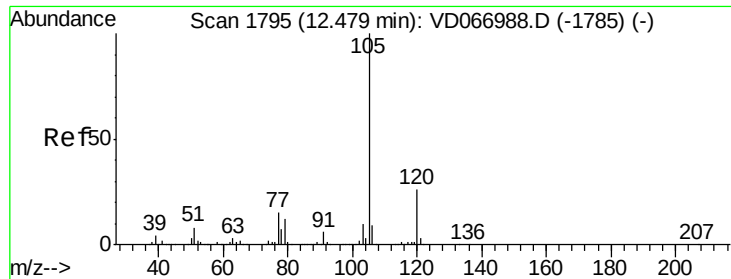
115 61.0 29.6 88.8

150 165.9 0.0 344.8



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





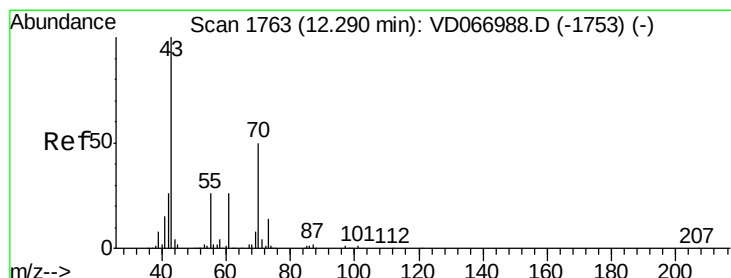
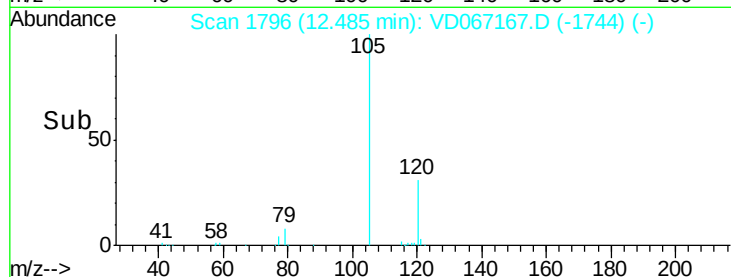
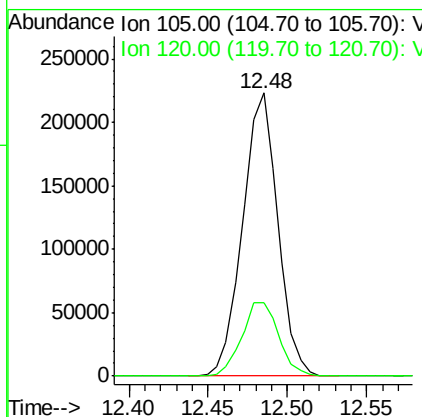
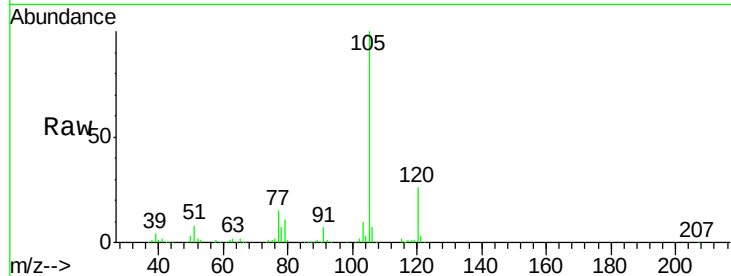
#73
Isopropylbenzene
Concen: 20.190 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.01 min
Lab File: VD067167.D
Acq: 07 Oct 2020 23:18

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.5	13.3	39.9

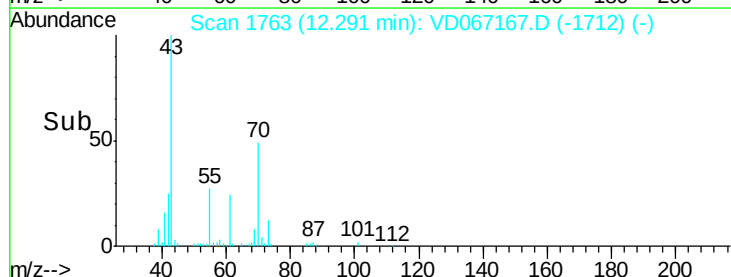
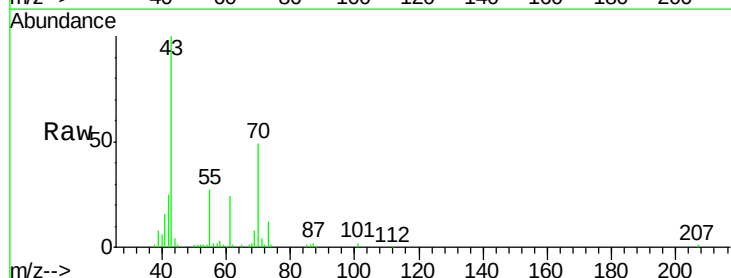
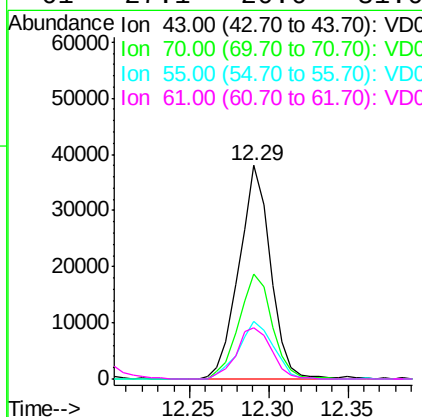
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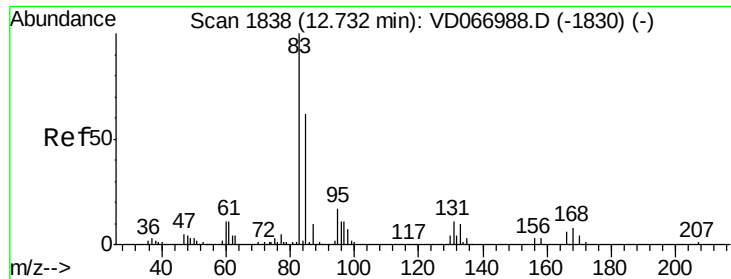
MMDadoda
10/8/2020 5:39:37 PM



#74
N-ethyl acetate
Concen: 17.233 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD067167.D
Acq: 07 Oct 2020 23:18

Tgt Ion	Ratio	Lower	Upper
43	100		
70	52.0	38.2	57.2
55	29.7	22.4	33.6
61	27.1	20.6	31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.636 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD067167.D

Acq: 07 Oct 2020 23:18

Instrument :

MSVOA_D

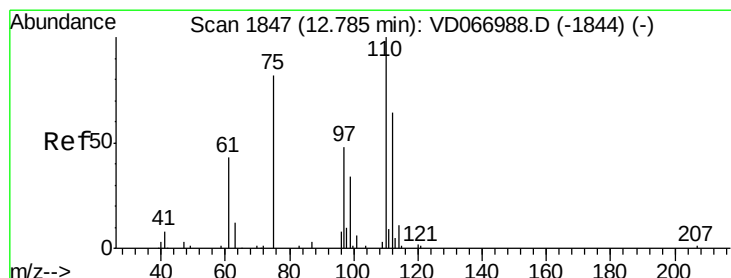
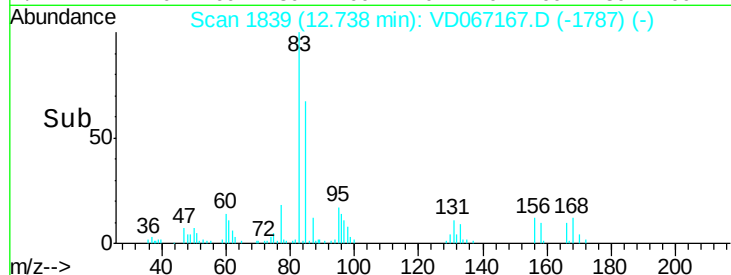
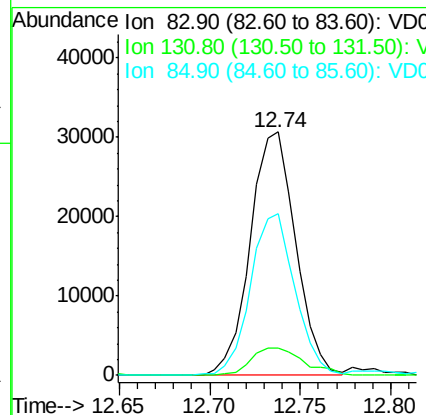
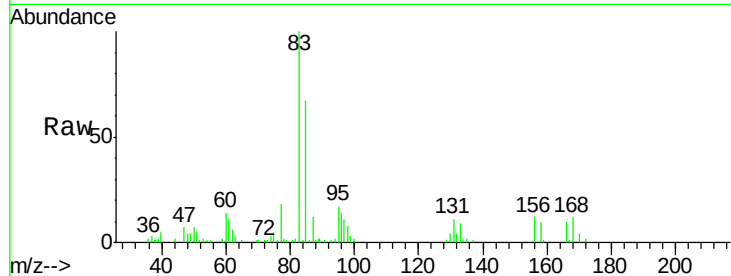
ClientSampleId :

VD1007SBS02

Tot Ion:	83	Resp:	53404
Ion Ratio	Lower	Upper	
83	100		
131	13.0	5.7	17.0
85	65.1	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 18.087 ug/l m

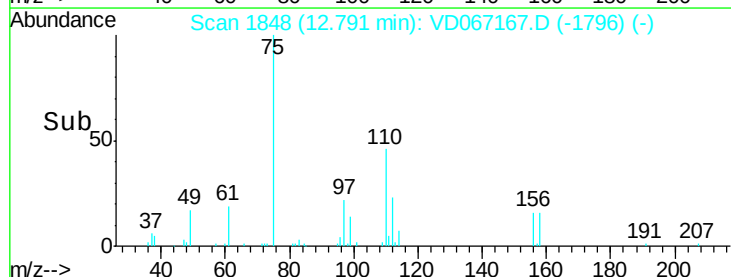
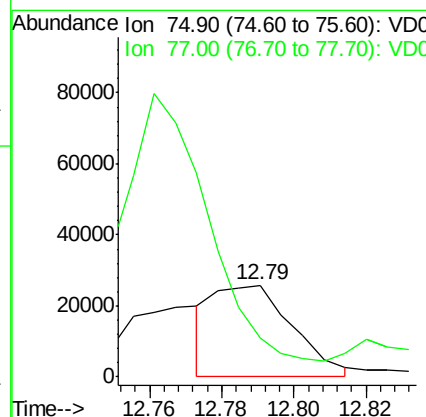
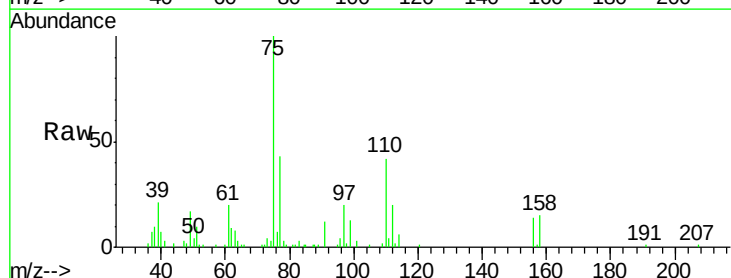
RT: 12.79 min Scan# 1848

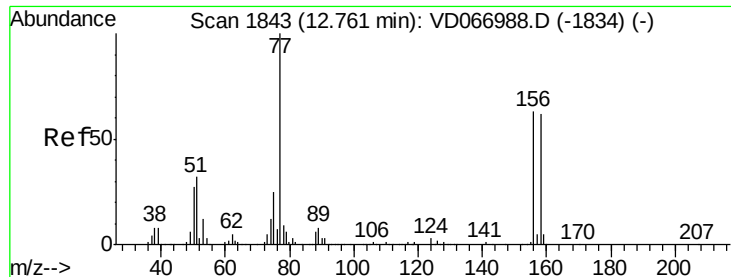
Delta R.T. 0.01 min

Lab File: VD067167.D

Acq: 07 Oct 2020 23:18

Tgt Ion:	75	Resp:	39462
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.417 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD067167.D

Acq: 07 Oct 2020 23:18

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS02

Tot Ion:156 Resp: 87958

Ion Ratio Lower Upper

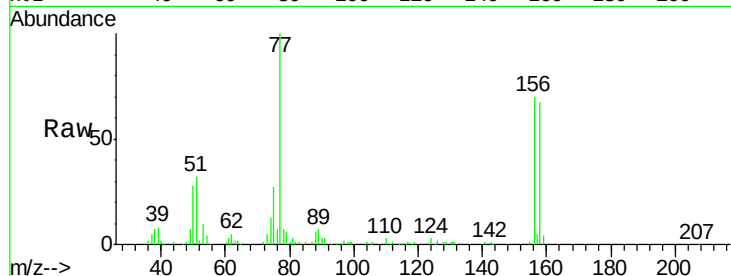
156 100

77 164.0 86.3 258.8

158 97.0 49.5 148.3

Manual Integrations
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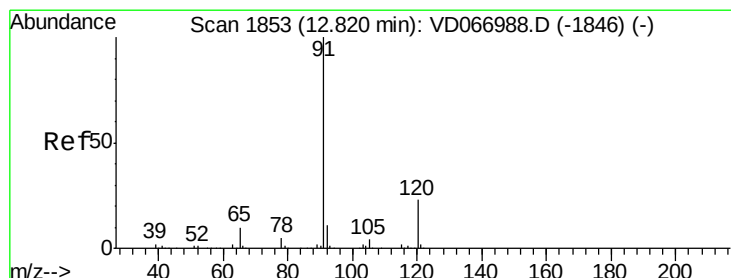
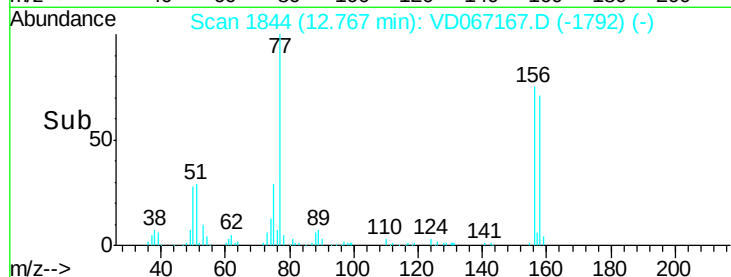
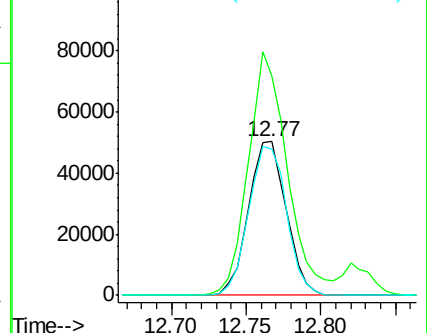
MMDadoda
10/8/2020 5:39:37 PM



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: 20.252 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD067167.D

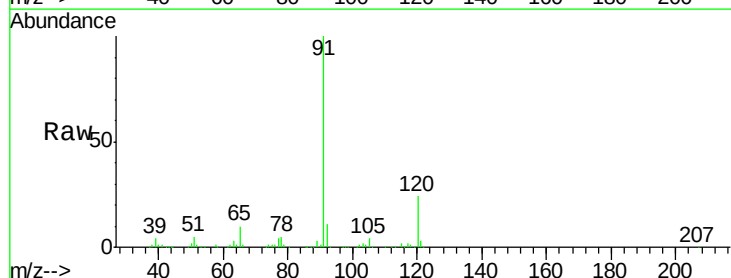
Acq: 07 Oct 2020 23:18

Tgt Ion: 91 Resp: 407086

Ion Ratio Lower Upper

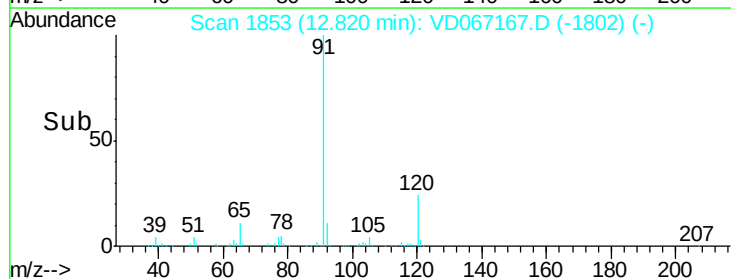
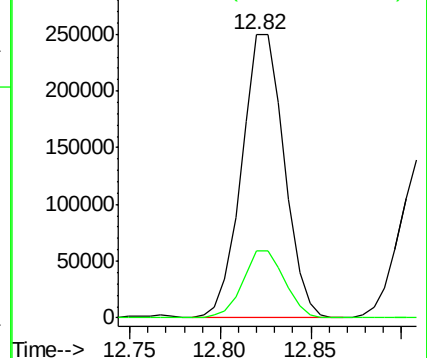
91 100

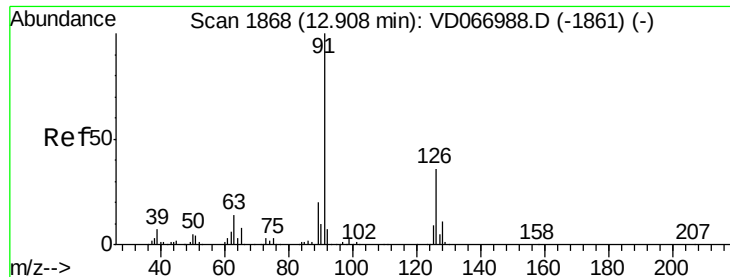
120 23.3 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





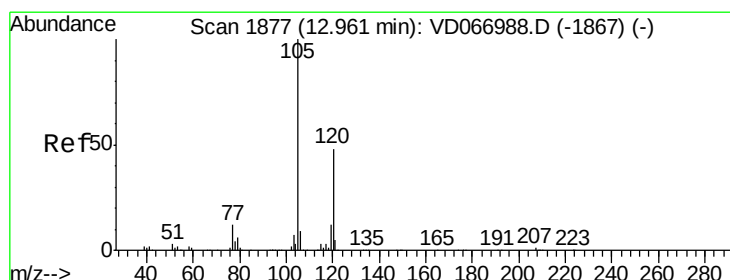
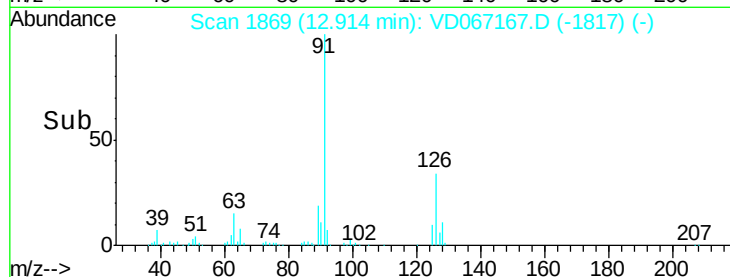
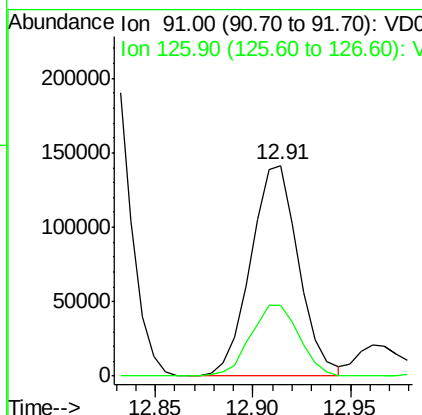
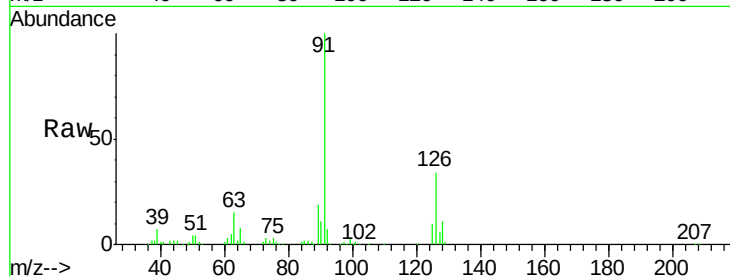
#79
2-Chlorotoluene
Concen: 20.950 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VD067167.D
Acq: 07 Oct 2020 23:18

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS02

Tot Ion: 91 Resp: 240934
Ion Ratio Lower Upper
91 100
126 34.4 17.5 52.6

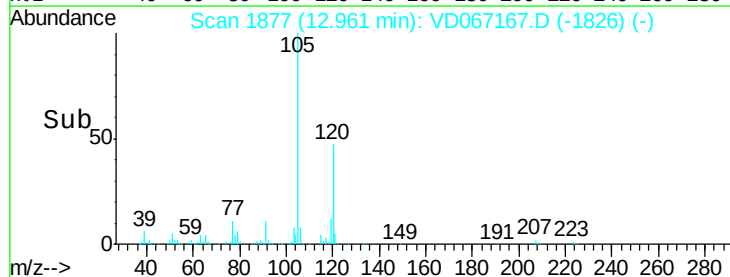
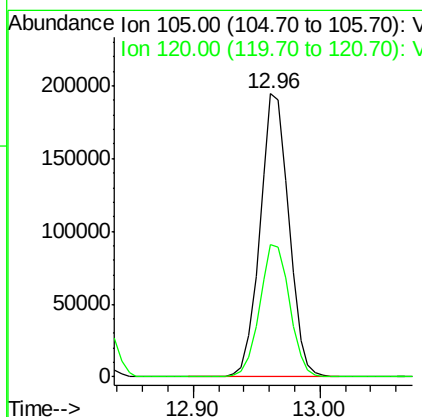
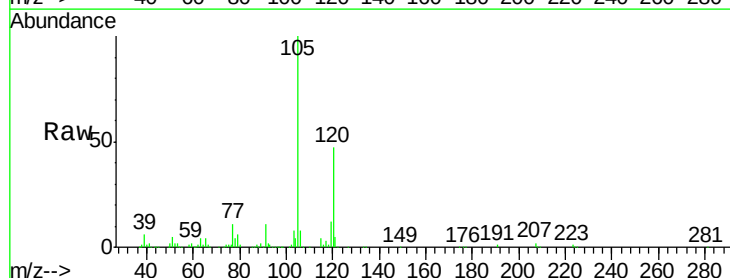
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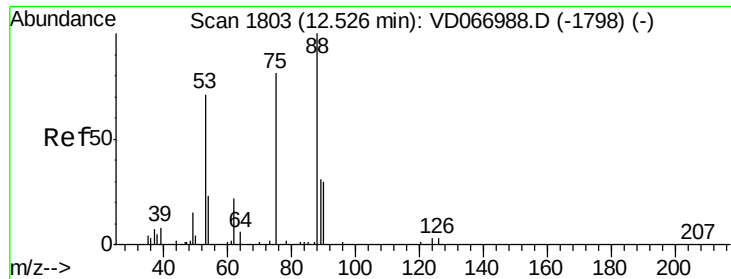
MMDadoda
10/8/2020 5:39:37 PM



#80
1,3,5-Trimethylbenzene
Concen: 21.485 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VD067167.D
Acq: 07 Oct 2020 23:18

Tgt Ion: 105 Resp: 308746
Ion Ratio Lower Upper
105 100
120 48.5 24.6 74.0





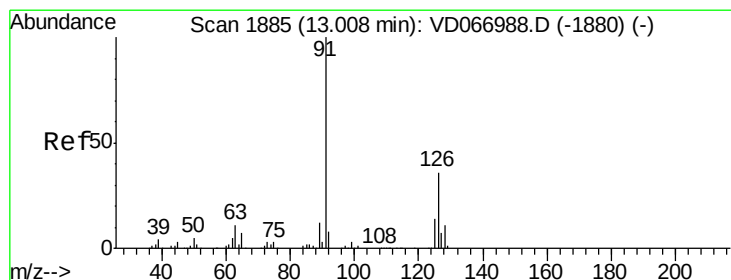
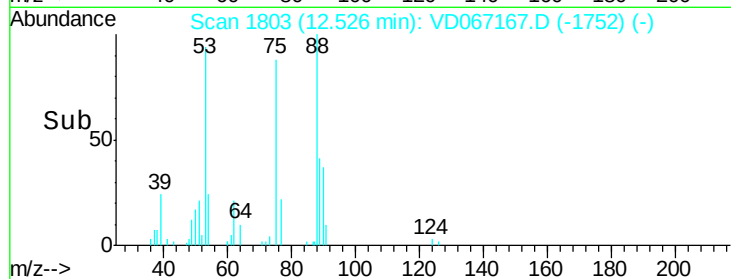
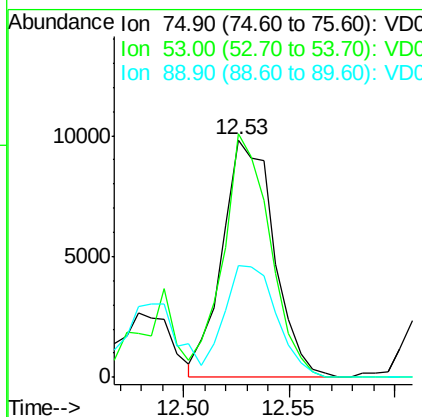
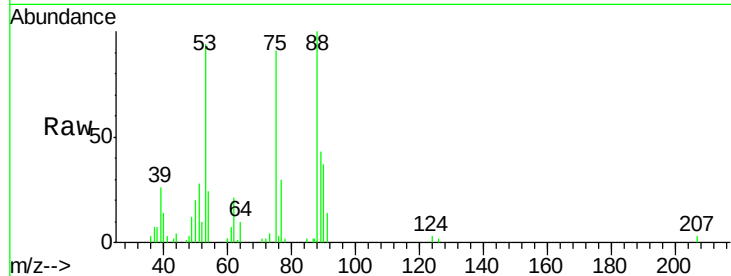
#81
trans-1,4-Dichloro-2-butene
Concen: 19.026 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VD067167.D
Acq: 07 Oct 2020 23:18

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.5	73.8	110.6
89	47.6	38.9	58.3

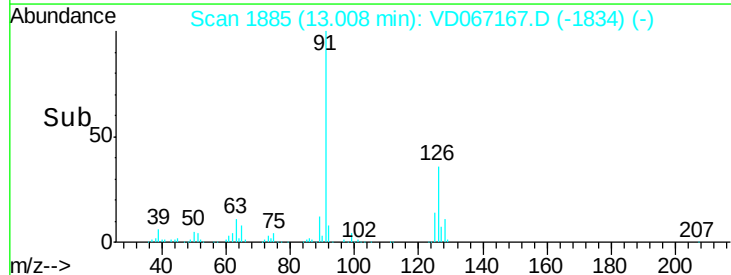
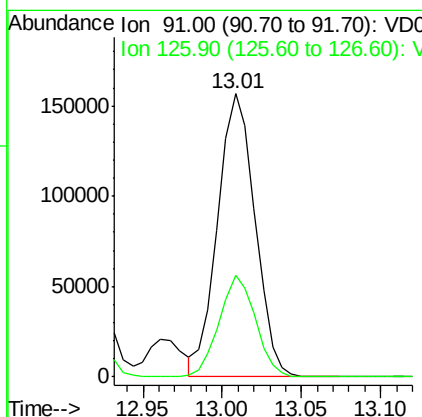
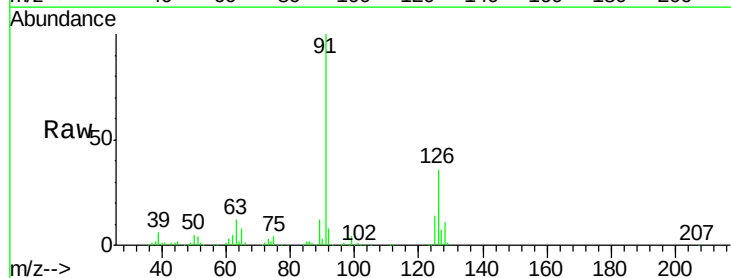
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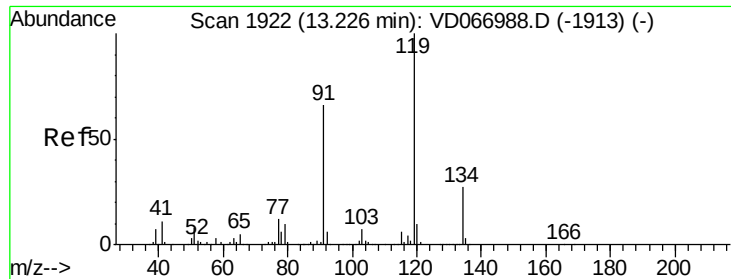
MMDadoda
10/8/2020 5:39:37 PM



#82
4-Chlorotoluene
Concen: 20.942 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD067167.D
Acq: 07 Oct 2020 23:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.5	52.5





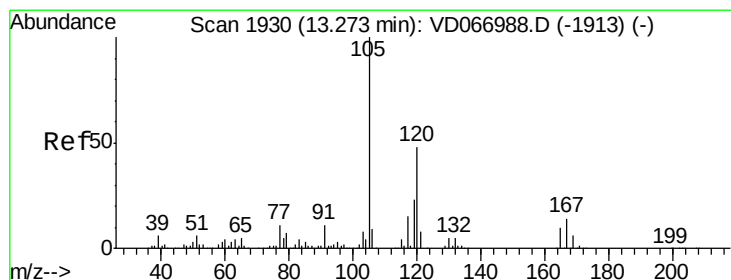
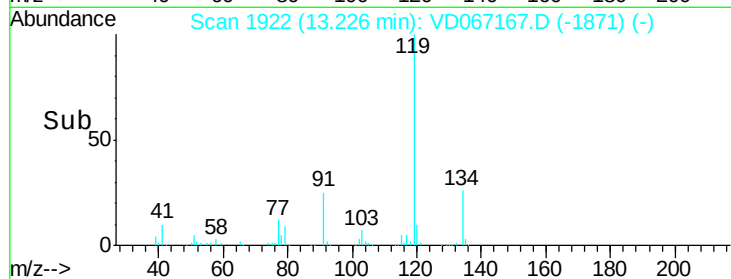
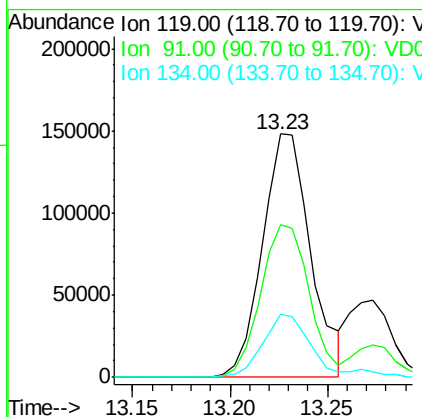
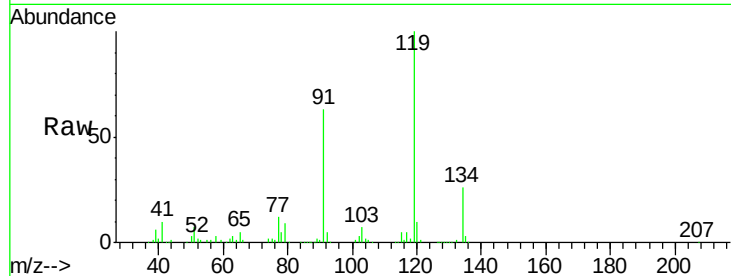
#83
 tert-Butylbenzene
 Concen: 20.985 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD067167.D
 Acq: 07 Oct 2020 23:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	253941		
91	63.0		32.8	98.3
134	27.0		13.9	41.7

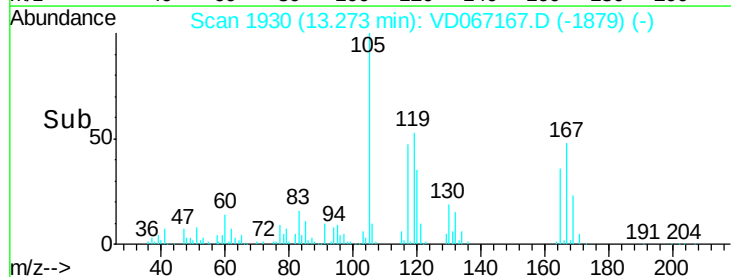
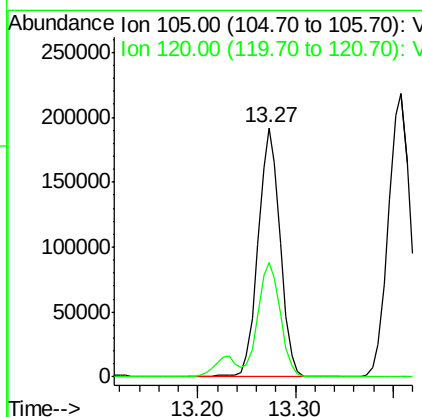
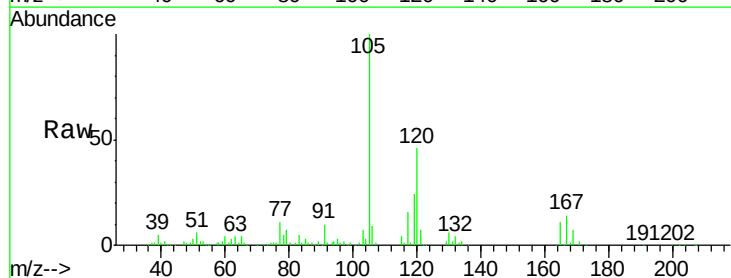
Manual Integrations
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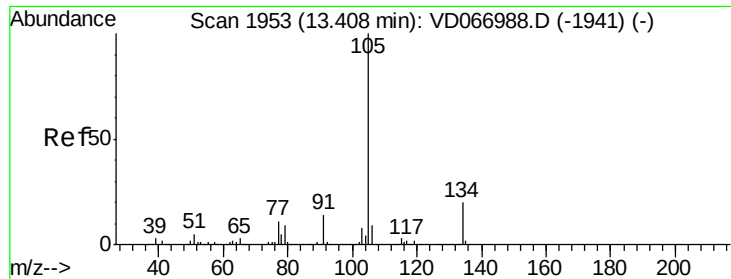
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 10/8/2020 5:39:37 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.265 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD067167.D
 Acq: 07 Oct 2020 23:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	304959		
120	46.4		23.3	69.8





#85

sec-Butylbenzene

Concen: 20.209 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067167.D

Acq: 07 Oct 2020 23:18

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS02

Tot Ion:105 Resp: 344383

Ion Ratio Lower Upper

105 100

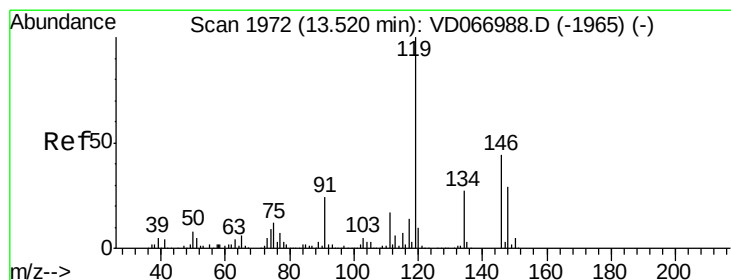
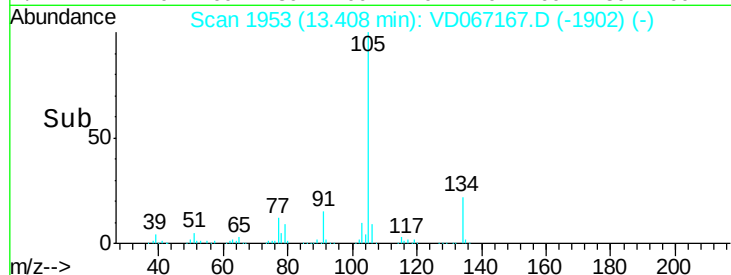
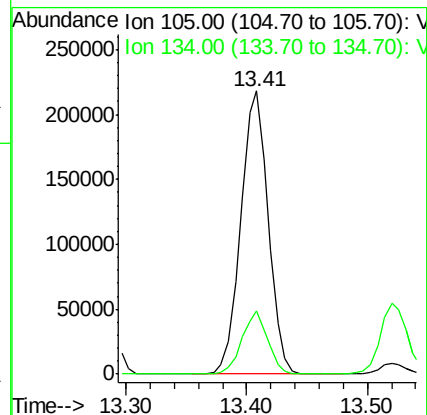
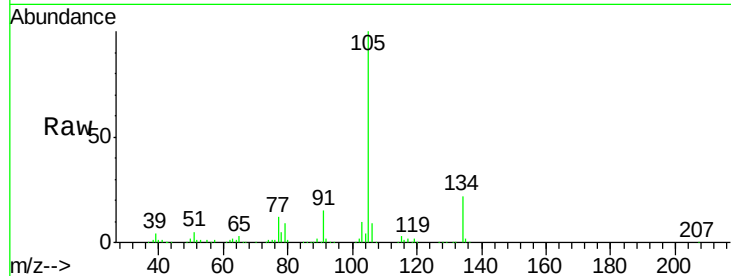
134 20.8 10.3 30.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.867 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067167.D

Acq: 07 Oct 2020 23:18

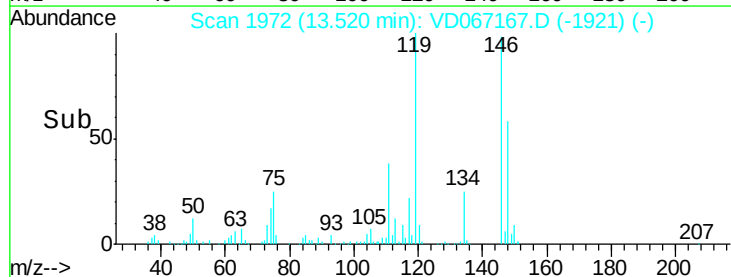
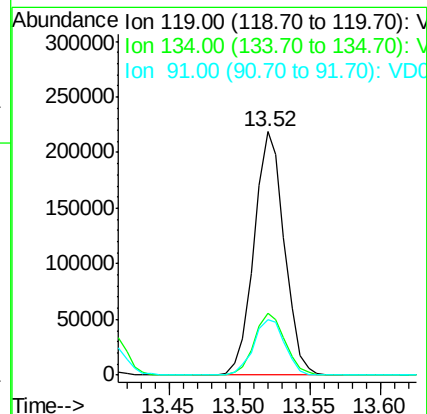
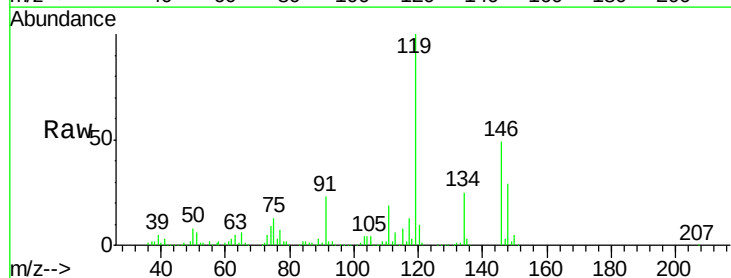
Tgt Ion:119 Resp: 329683

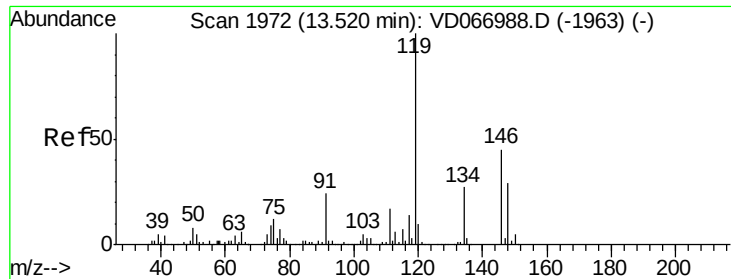
Ion Ratio Lower Upper

119 100

134 25.8 13.1 39.1

91 23.9 11.7 35.1





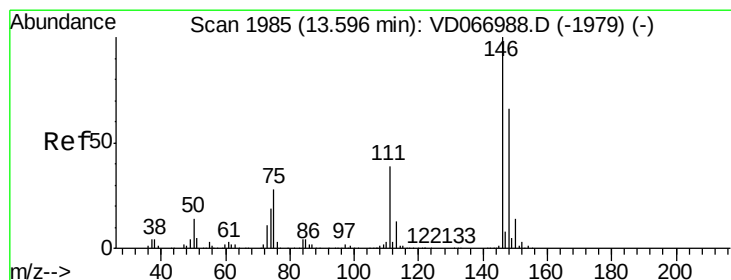
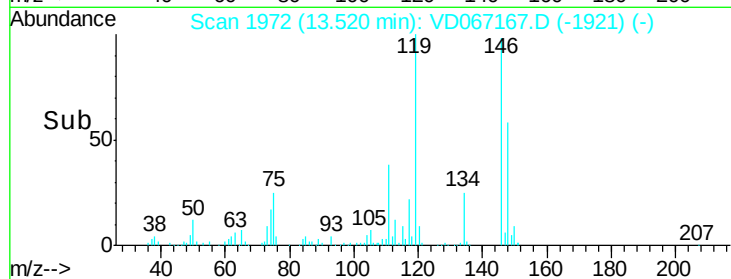
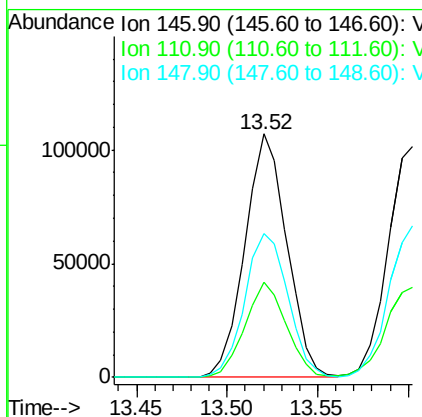
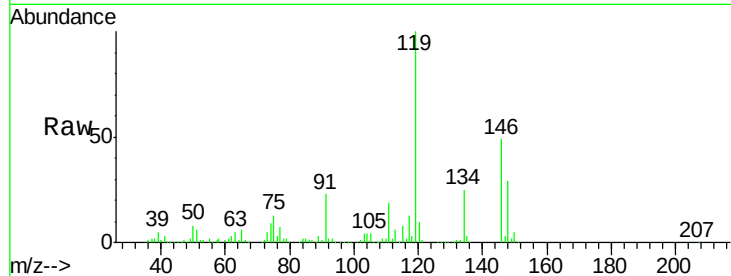
#87
 1,3-Dichlorobenzene
 Concen: 21.569 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067167.D
 Acq: 07 Oct 2020 23:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	172540		
111	38.5	20.0	60.0	
148	60.9	31.9	95.9	

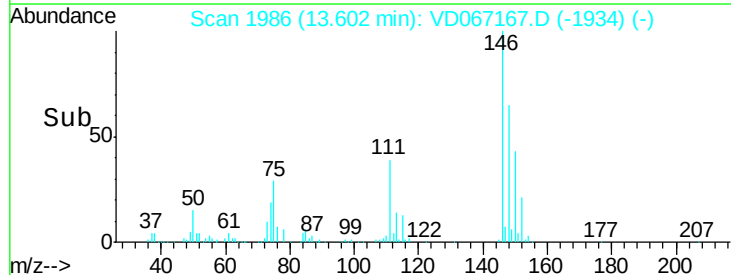
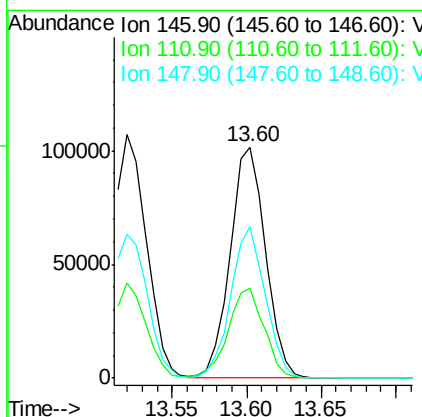
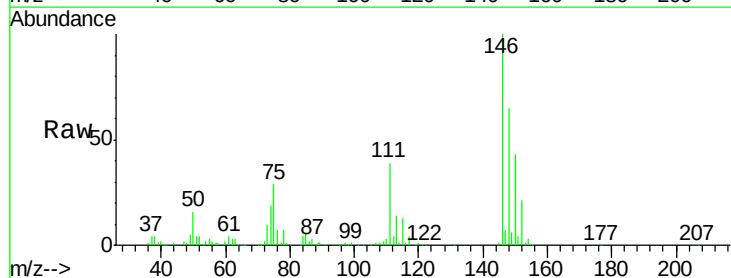
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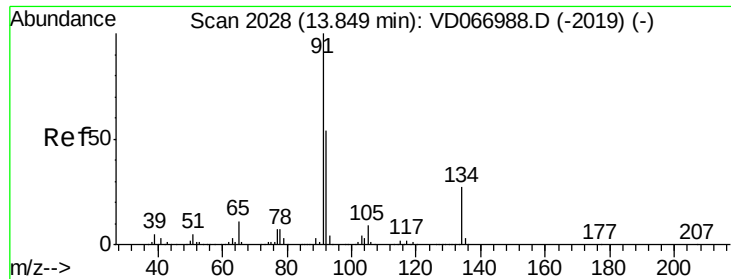
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 10/8/2020 5:39:37 PM



#88
 1,4-Dichlorobenzene
 Concen: 21.084 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD067167.D
 Acq: 07 Oct 2020 23:18

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	168639		
111	39.7	19.6	58.7	
148	63.9	32.6	97.7	





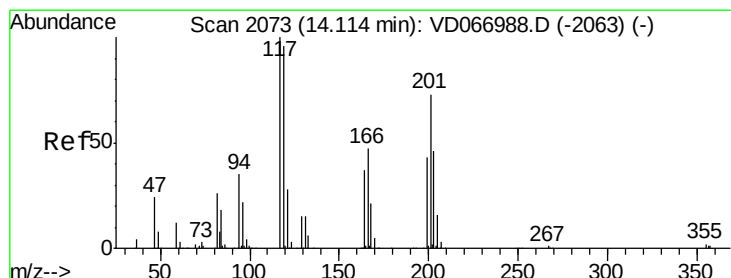
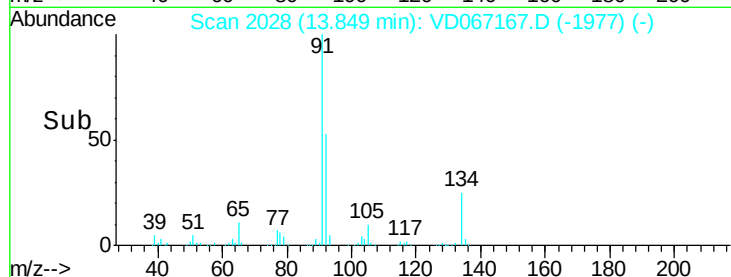
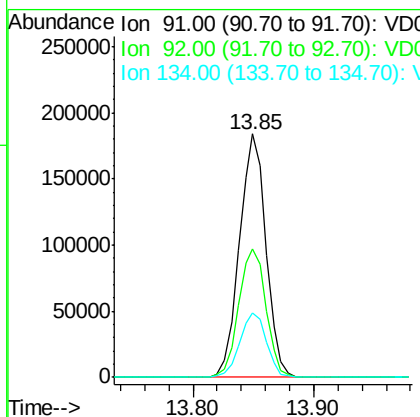
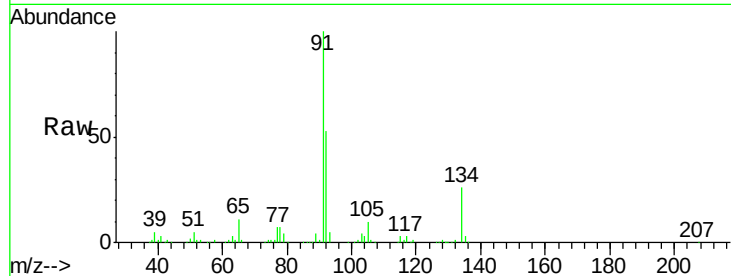
#89
n-Butylbenzene
Concen: 19.469 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067167.D
Acq: 07 Oct 2020 23:18

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.4	27.1	81.2	
134	26.7	13.6	40.8	

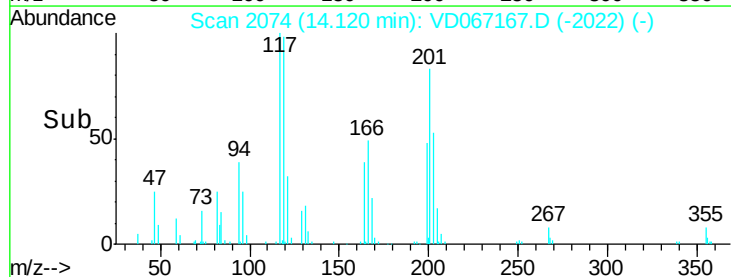
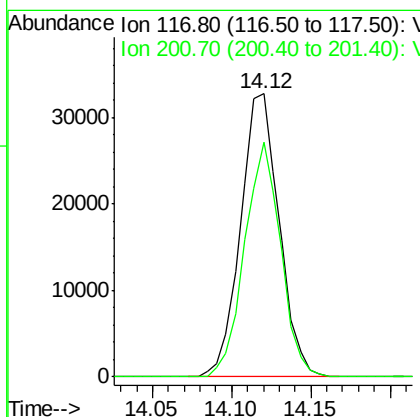
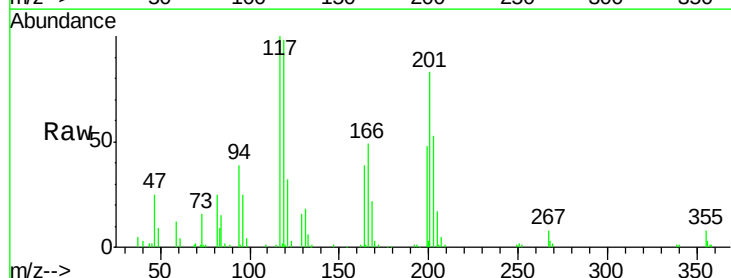
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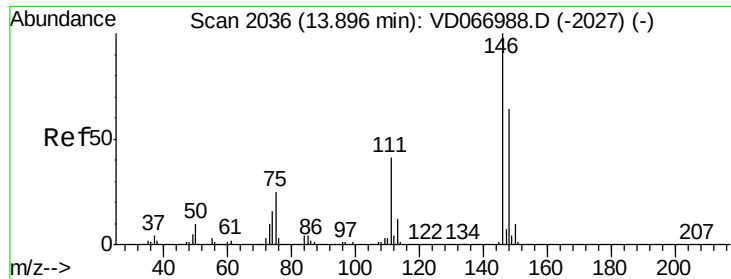
MMDadoda
10/8/2020 5:39:37 PM



#90
Hexachloroethane
Concen: 19.991 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD067167.D
Acq: 07 Oct 2020 23:18

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	77.3	37.0	110.9	





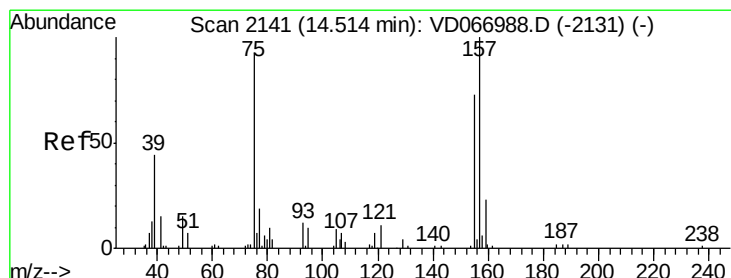
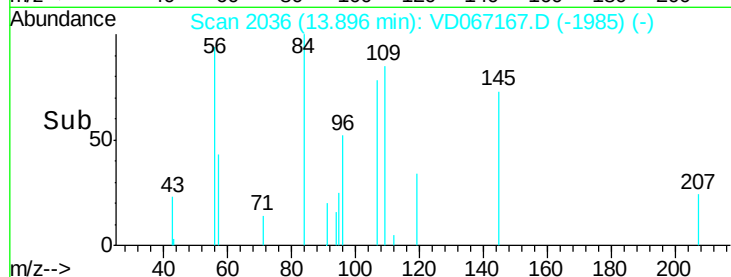
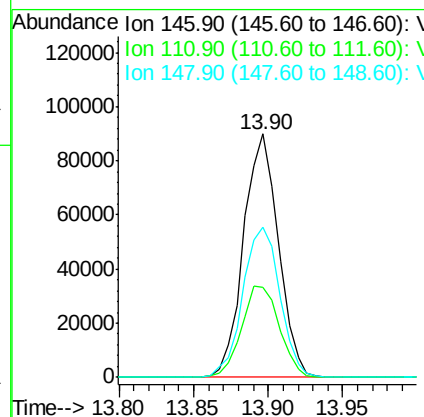
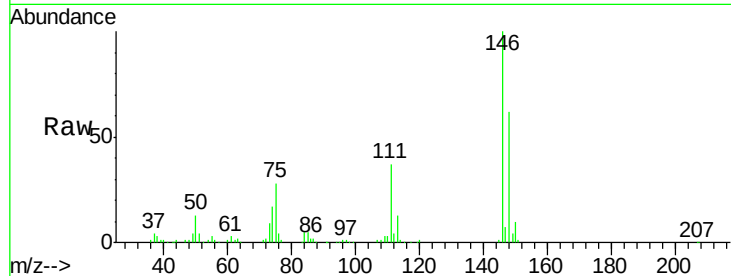
#91
 1,2-Dichlorobenzene
 Concen: 20.834 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067167.D
 Acq: 07 Oct 2020 23:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.9	62.7
148	65.5	32.3	96.9

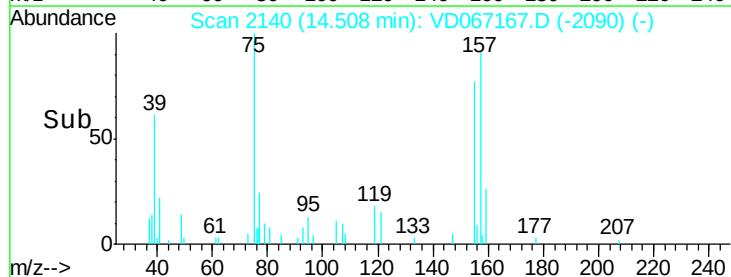
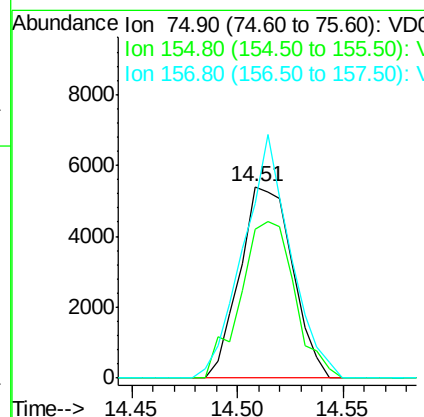
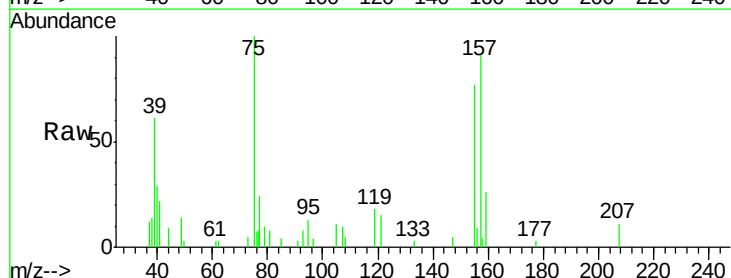
Manual Integrations
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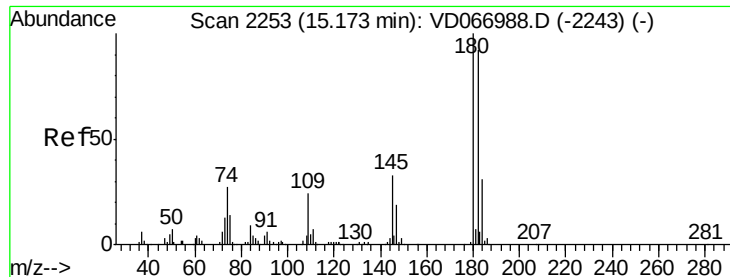
MMDadoda
 10/8/2020 5:39:37 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.185 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067167.D
 Acq: 07 Oct 2020 23:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.5	45.2	135.6
157	114.4	56.3	168.8





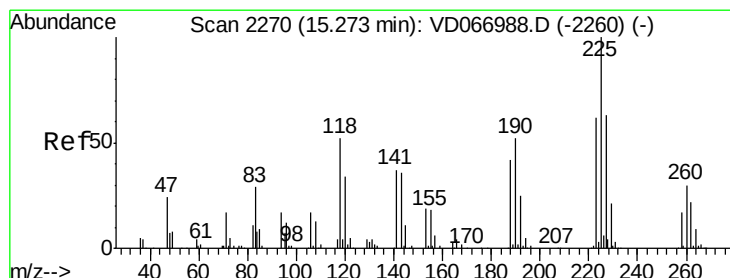
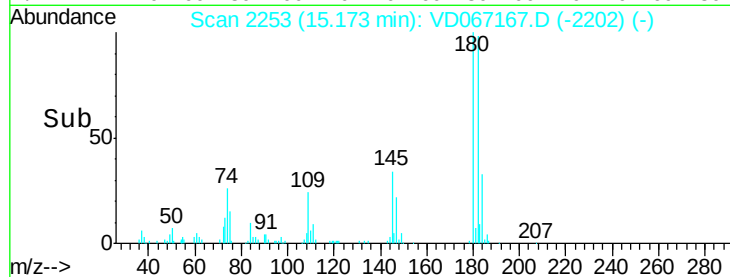
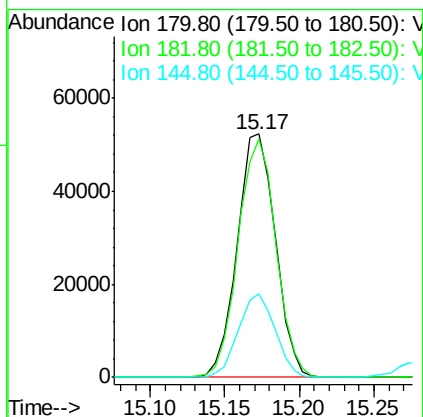
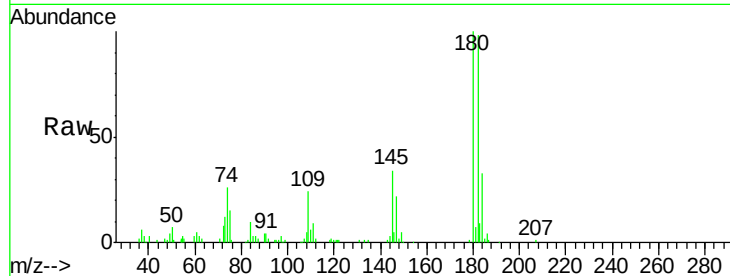
#93
 1,2,4-Trichlorobenzene
 Concen: 20.492 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067167.D
 Acq: 07 Oct 2020 23:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	47.3	142.0
145	33.1	16.4	49.1

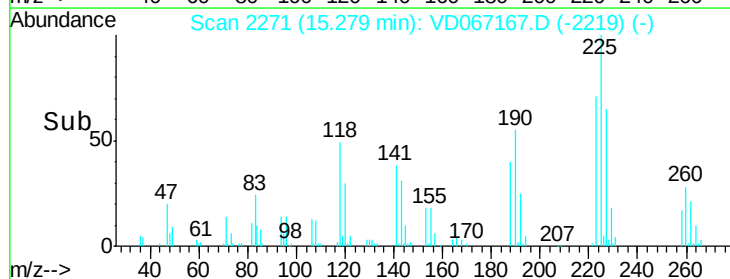
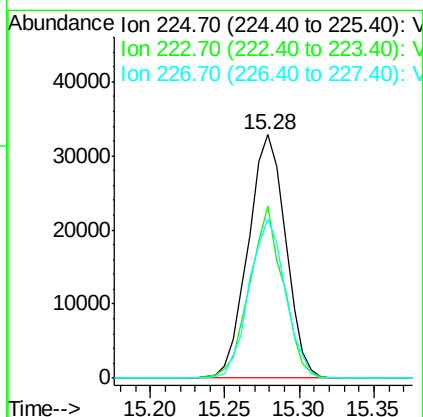
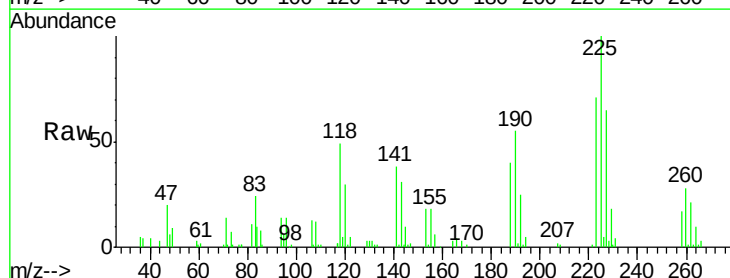
Manual Integrations
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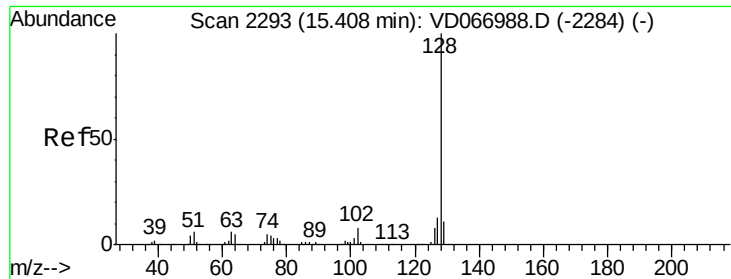
MMDadoda
 10/8/2020 5:39:37 PM



#94
 Hexachlorobutadiene
 Concen: 20.627 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD067167.D
 Acq: 07 Oct 2020 23:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	32.4	97.0
227	62.7	31.6	95.0





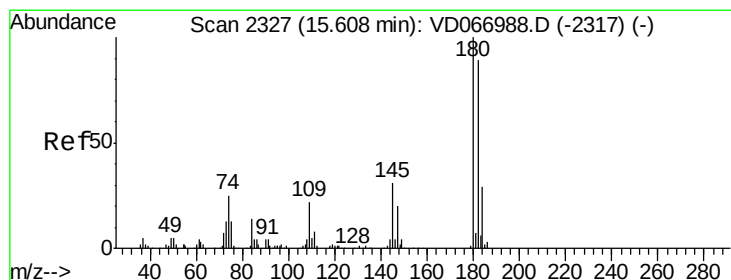
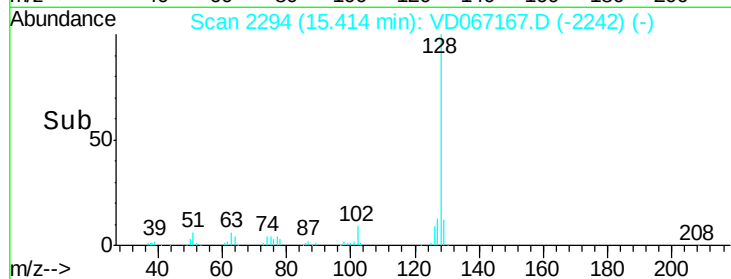
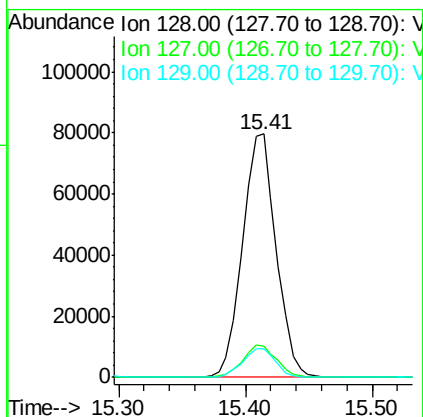
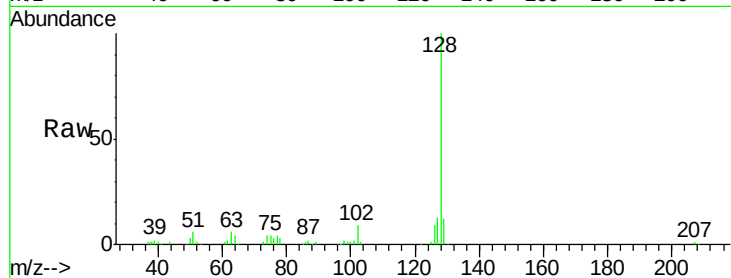
#95
Naphthalene
Concen: 19.417 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD067167.D
Acq: 07 Oct 2020 23:18

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.3	15.5
129	11.6	8.6	13.0

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 20.565 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD067167.D
Acq: 07 Oct 2020 23:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	46.4	139.1
145	34.3	16.6	49.7

