

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021020\
 Data File : VD065127.D
 Acq On : 10 Feb 2020 12:27
 Operator : VA/SY
 Sample : VD0210SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0210SBS01

Manual Integrations
 APPROVED

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 2/11/2020 6:09:32 PM

Quant Time: Feb 11 08:18:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	470142	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	703708	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	620268	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	305457	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	211835	53.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.02%	
35) Dibromofluoromethane	7.92	113	210761	53.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.36%	
50) Toluene-d8	10.34	98	832206	53.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.50%	
62) 4-Bromofluorobenzene	12.64	95	256831	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	77804	19.887	ug/l	93
3) Chloromethane	2.21	50	98469	21.381	ug/l	91
4) Vinyl Chloride	2.35	62	102851	21.117	ug/l	95
5) Bromomethane	2.76	94	63859	20.221	ug/l	97
6) Chloroethane	2.92	64	62438	20.666	ug/l	98
7) Trichlorofluoromethane	3.27	101	145510	20.529	ug/l	97
8) Diethyl Ether	3.71	74	39204	19.266	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	87029	20.084	ug/l	100
10) Methyl Iodide	4.29	142	86877	17.566	ug/l	98
11) Tert butyl alcohol	5.25	59	21732	89.015	ug/l #	93
12) 1,1-Dichloroethene	4.06	96	82342	19.841	ug/l	99
13) Acrolein	3.93	56	28056	93.432	ug/l	99
14) Allyl chloride	4.71	41	131185	19.020	ug/l	99
15) Acrylonitrile	5.43	53	86281	96.986	ug/l	99
16) Acetone	4.17	43	93688	93.780	ug/l	95
17) Carbon Disulfide	4.40	76	261556	19.629	ug/l	100
18) Methyl Acetate	4.72	43	45216	21.663	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	166852	18.181	ug/l	97
20) Methylene Chloride	4.96	84	97433	19.767	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	91723	19.535	ug/l	97
22) Diisopropyl ether	6.37	45	261207	20.078	ug/l	99
23) Vinyl Acetate	6.31	43	664707	91.665	ug/l	99
24) 1,1-Dichloroethane	6.27	63	158540	20.133	ug/l	97
25) 2-Butanone	7.23	43	111553	93.610	ug/l	100
26) 2,2-Dichloropropane	7.21	77	145881	20.668	ug/l	100
27) cis-1,2-Dichloroethene	7.22	96	97282	19.503	ug/l	98
28) Bromochloromethane	7.55	49	58964	19.753	ug/l	99
29) Tetrahydrofuran	7.57	42	69851	96.927	ug/l	98
30) Chloroform	7.71	83	159358	20.324	ug/l	96
31) Cyclohexane	7.98	56	153193	19.272	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	146602	20.072	ug/l	99
36) 1,1-Dichloropropene	8.12	75	129328	19.765	ug/l	98
37) Ethyl Acetate	7.30	43	49358	18.464	ug/l	99
38) Carbon Tetrachloride	8.10	117	133281	19.943	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	149152	18.467	ug/l	98
40) Benzene	8.36	78	356250	19.716	ug/l	98
41) Methacrylonitrile	7.53	41	28000	19.012	ug/l #	86
42) 1,2-Dichloroethane	8.43	62	100751	19.568	ug/l	97
43) Isopropyl Acetate	8.46	43	93835	18.350	ug/l	98
44) Trichloroethene	9.11	130	100603	19.397	ug/l	98
45) 1,2-Dichloropropane	9.39	63	86968	20.074	ug/l	91
46) Dibromomethane	9.48	93	46126	20.261	ug/l	94
47) Bromodichloromethane	9.67	83	123407	20.573	ug/l #	97
48) Methyl methacrylate	9.46	41	42741	17.369	ug/l	96
49) 1,4-Dioxane	9.47	88	10442	387.256	ug/l #	94
51) 4-Methyl-2-Pentanone	10.23	43	238377	94.705	ug/l	99
52) Toluene	10.41	92	228733	19.833	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	111970	19.172	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	134767	19.294	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	61855	19.809	ug/l	94
56) Ethyl methacrylate	10.67	69	71202	18.021	ug/l	100
57) 1,3-Dichloropropane	10.95	76	108470	19.755	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	125786	86.072	ug/l	100
59) 2-Hexanone	10.99	43	166277	93.263	ug/l	100
60) Dibromochloromethane	11.14	129	80725	19.959	ug/l	98
61) 1,2-Dibromoethane	11.26	107	58885	19.299	ug/l	98
64) Tetrachloroethene	10.88	164	93780	21.041	ug/l	96
65) Chlorobenzene	11.67	112	236419	19.707	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	87727	19.813	ug/l	99
67) Ethyl Benzene	11.75	91	423792	19.443	ug/l	98
68) m/p-Xylenes	11.86	106	327657	39.387	ug/l	100
69) o-Xylene	12.19	106	145967	19.485	ug/l	98
70) Styrene	12.20	104	253456	19.466	ug/l	100
71) Bromoform	12.37	173	46842	19.654	ug/l #	99
73) Isopropylbenzene	12.48	105	395073	18.844	ug/l	99
74) N-amyl acetate	12.30	43	81366	17.855	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	65502	19.851	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	36237m	15.669	ug/l	
77) Bromobenzene	12.77	156	95762	18.958	ug/l	99
78) n-propylbenzene	12.83	91	473628	19.290	ug/l	100
79) 2-Chlorotoluene	12.91	91	264538	19.329	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	326592	19.041	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	21195	18.329	ug/l	95
82) 4-Chlorotoluene	13.01	91	279089	19.417	ug/l	99
83) tert-Butylbenzene	13.23	119	270188	18.259	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	325234	19.100	ug/l	98
85) sec-Butylbenzene	13.41	105	387420	19.169	ug/l	99
86) p-Isopropyltoluene	13.53	119	353061	18.802	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	185661	19.631	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	178727	18.987	ug/l	99
89) n-Butylbenzene	13.85	91	332038	19.158	ug/l	98
90) Hexachloroethane	14.12	117	70092	19.712	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	155760	19.228	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10390	19.289	ug/l	98

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MSVOA_D
ClientSampleId :
VD0210SBSD01

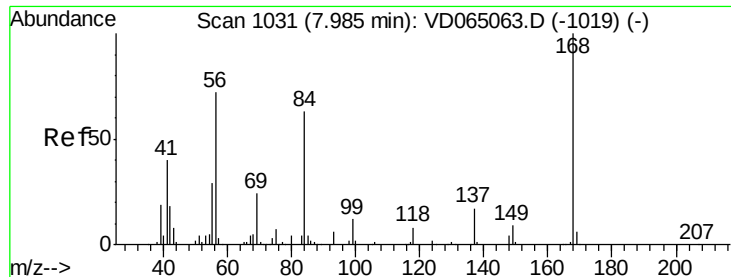
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	104774	18.096	ug/l	99
94) Hexachlorobutadiene	15.28	225	66225	18.602	ug/l	99
95) Naphthalene	15.41	128	161188	16.750	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	89912	18.155	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0210SBS01

Tot Ion:168 Resp: 470142

Ion Ratio Lower Upper

168 100

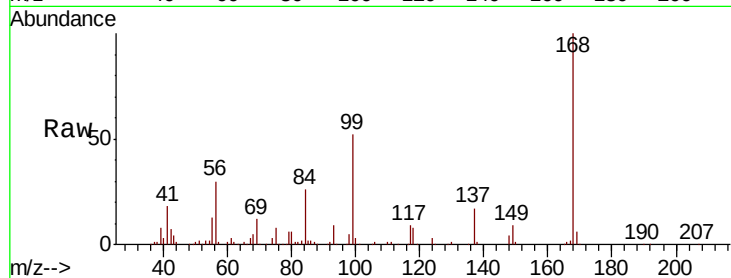
99 51.5 41.0 61.6

Manual Integrations

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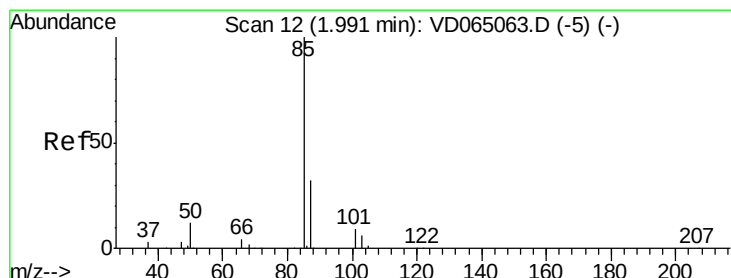
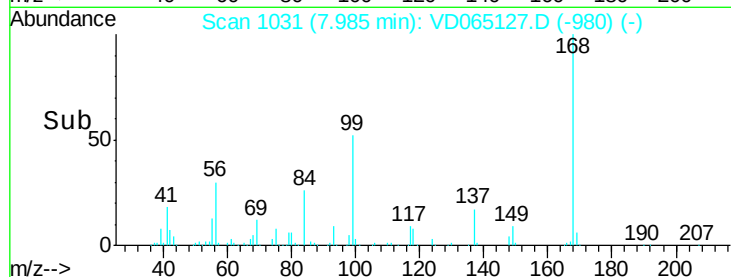
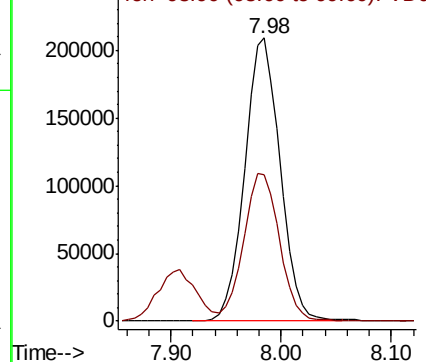
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 19.887 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065127.D

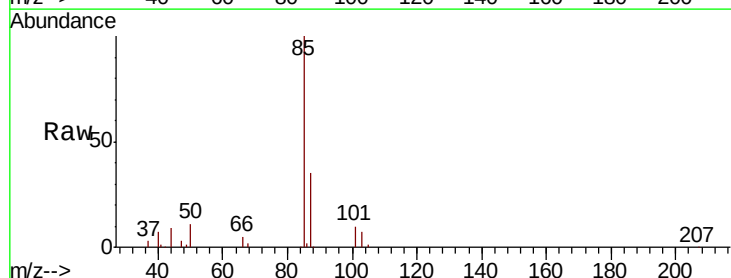
Acq: 10 Feb 2020 12:27

Tgt Ion: 85 Resp: 77804

Ion Ratio Lower Upper

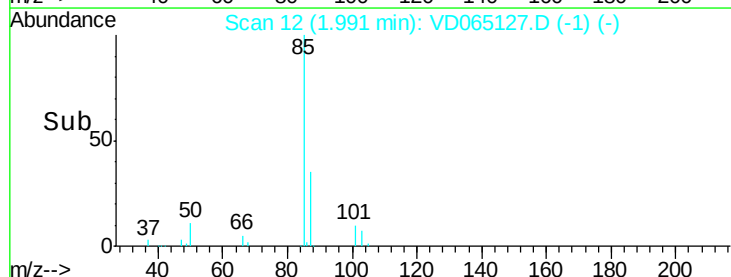
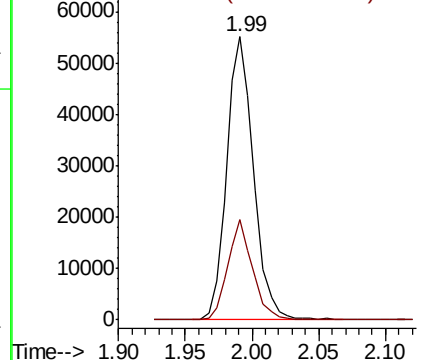
85 100

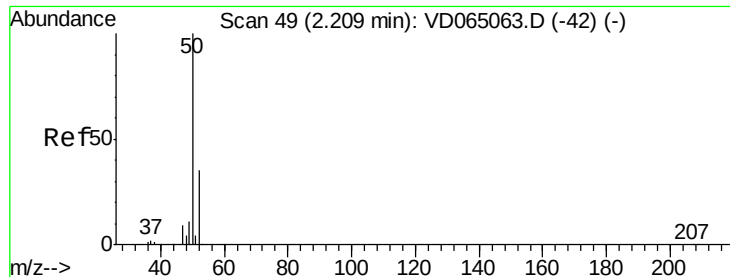
87 35.3 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.381 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0210SBSD01

Tot Ion: 50 Resp: 98469

Ion Ratio Lower Upper

50 100

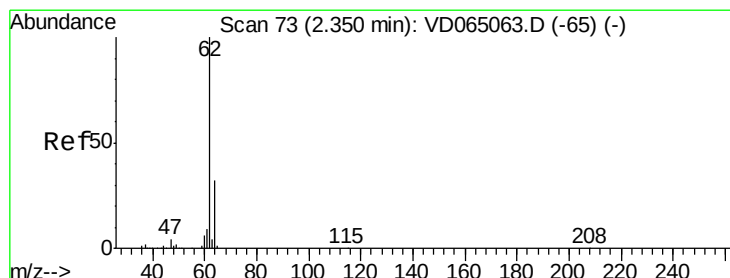
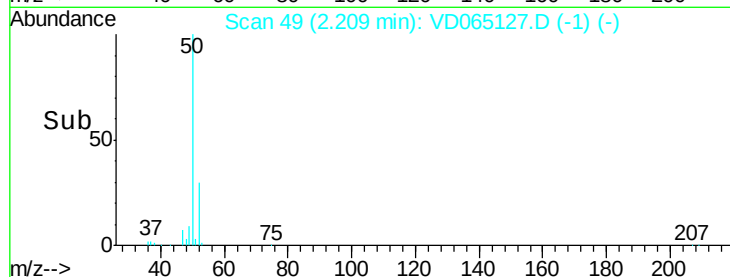
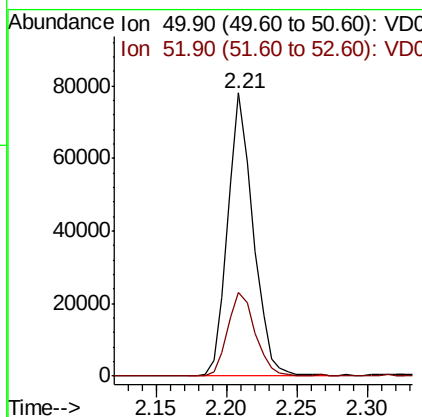
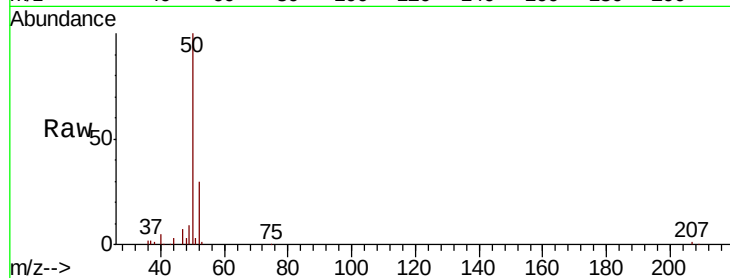
52 29.5 27.8 41.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.117 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065127.D

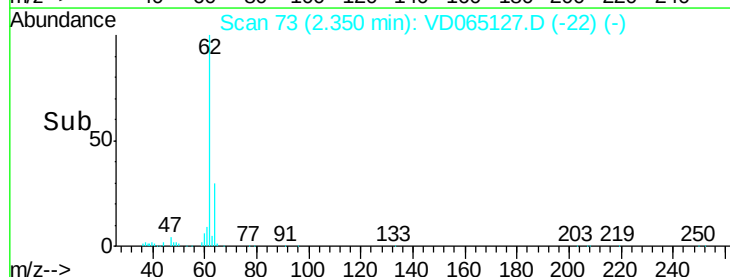
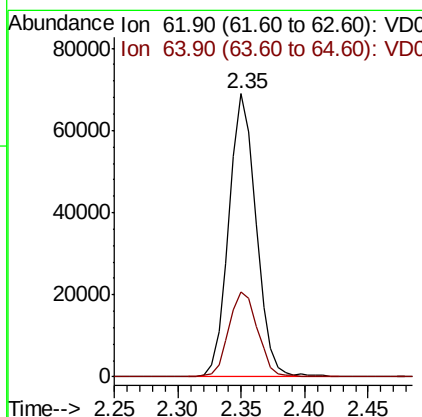
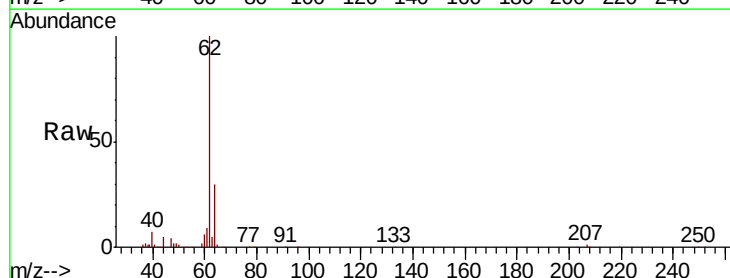
Acq: 10 Feb 2020 12:27

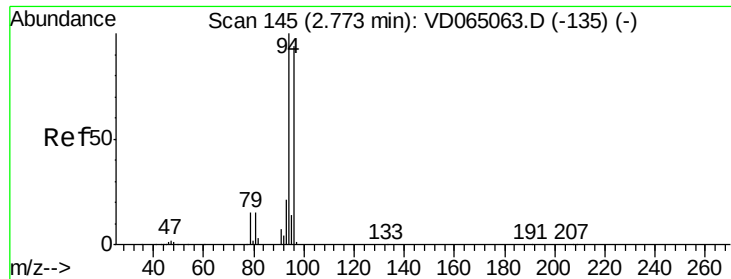
Tgt Ion: 62 Resp: 102851

Ion Ratio Lower Upper

62 100

64 29.8 25.9 38.9





#5

Bromomethane

Concen: 20.221 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0210SBS01

Tot Ion: 94 Resp: 63859

Ion Ratio Lower Upper

94 100

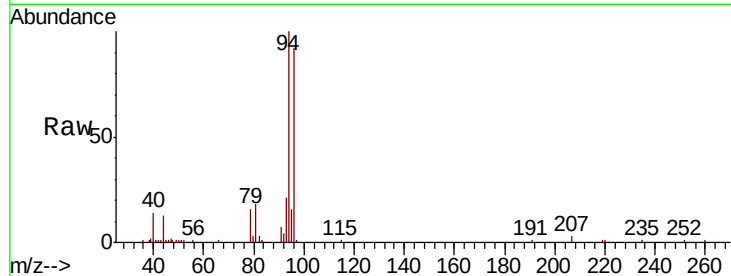
96 91.3 75.4 113.0

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

2.76

30000

25000

20000

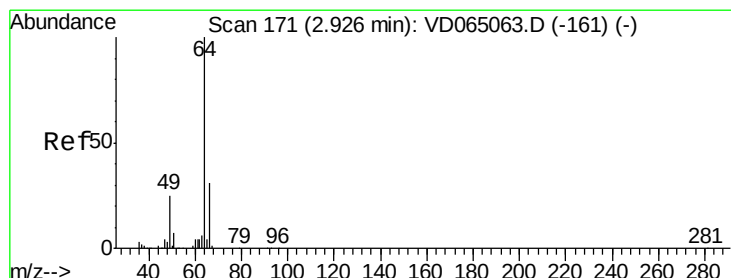
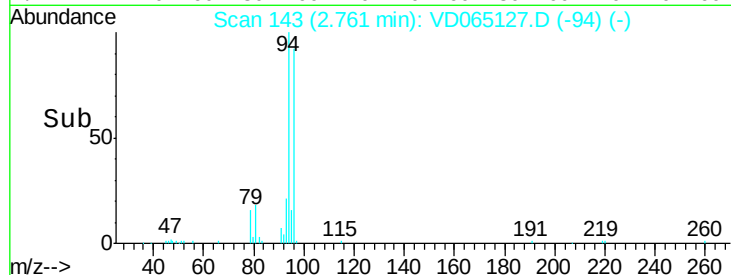
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 20.666 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065127.D

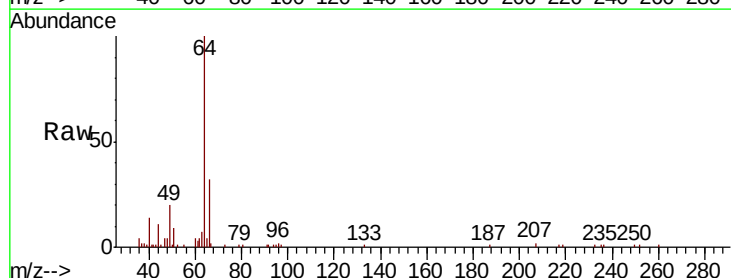
Acq: 10 Feb 2020 12:27

Tgt Ion: 64 Resp: 62438

Ion Ratio Lower Upper

64 100

66 31.8 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

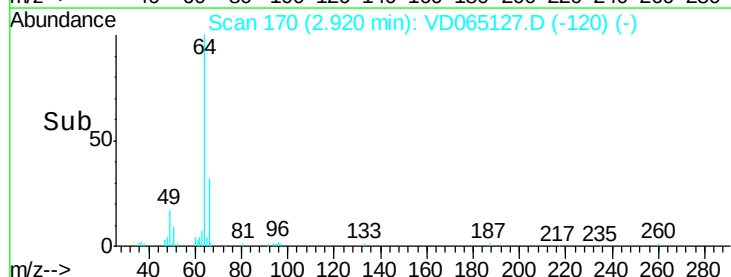
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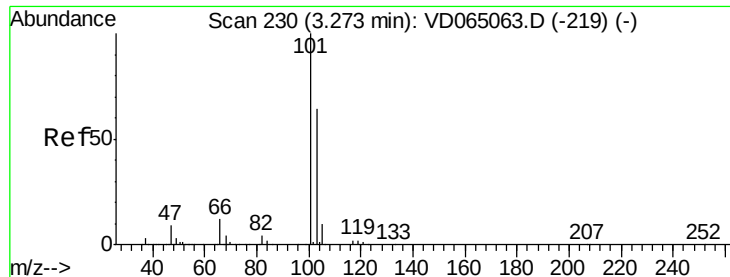
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10000

0

Time-->





#7

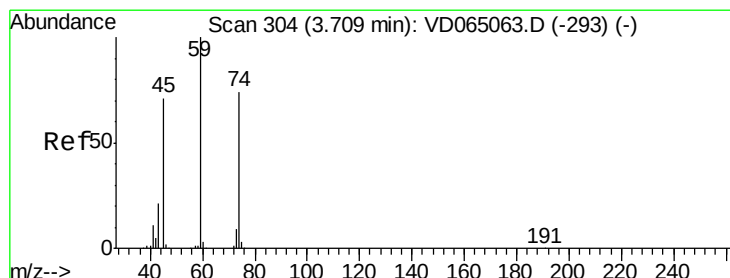
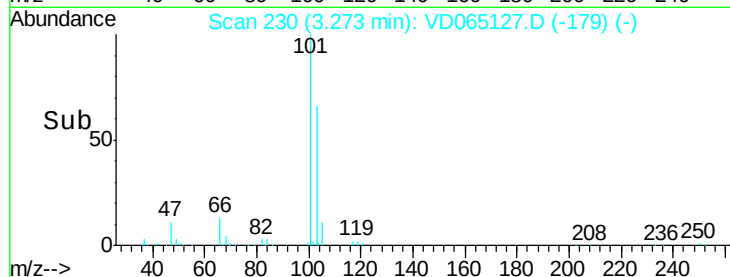
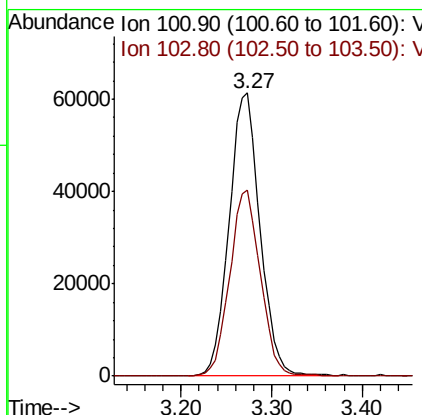
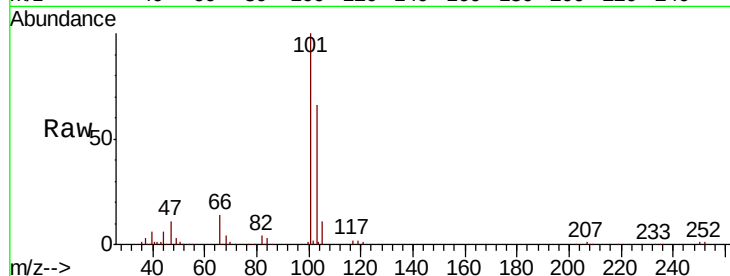
Trichlorofluoromethane
 Concen: 20.529 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065127.D
 Acq: 10 Feb 2020 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0210SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	51.0	76.6

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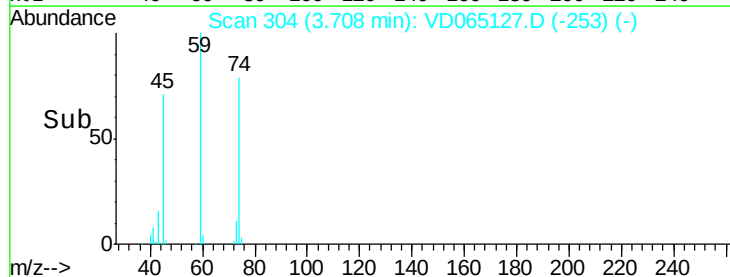
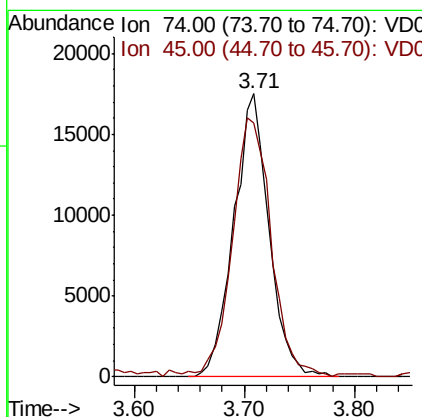
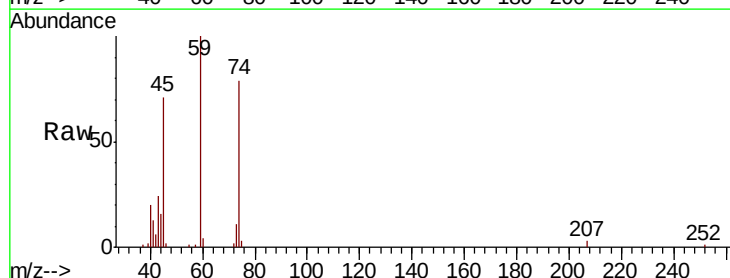
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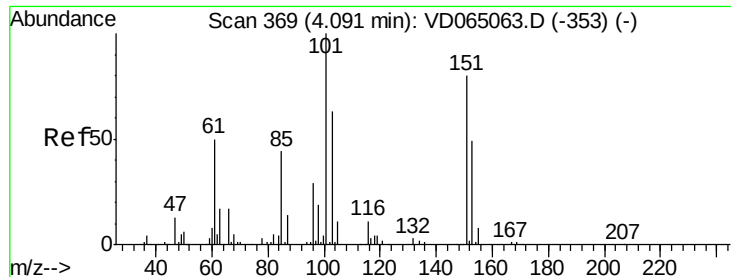


#8

Diethyl Ether
 Concen: 19.266 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065127.D
 Acq: 10 Feb 2020 12:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.1	49.0	147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.084 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Instrument :

MSVOA_D

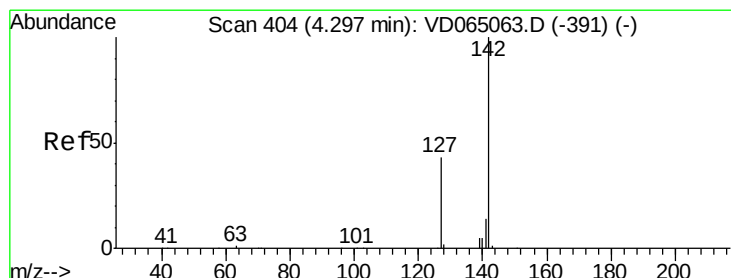
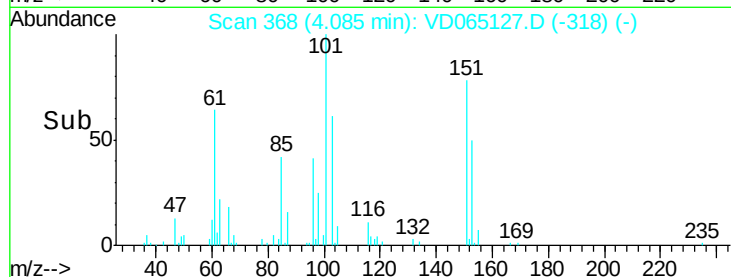
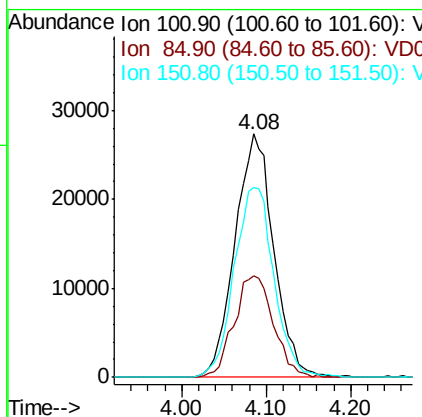
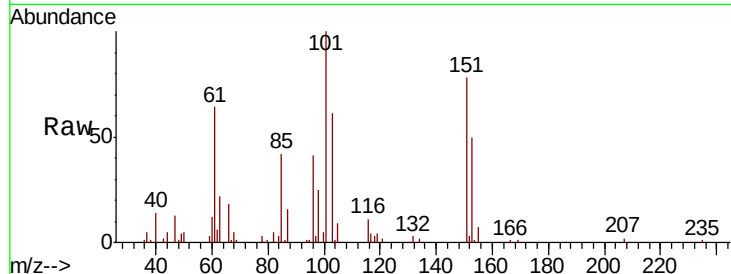
ClientSampleId :

VD0210SBS01

Tot Ion:	101	Resp:	87029
Ion Ratio	Lower	Upper	
101	100		
85	42.4	34.0	51.0
151	79.9	64.0	96.0

Manual Integrations
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#10

Methyl Iodide

Concen: 17.566 ug/l

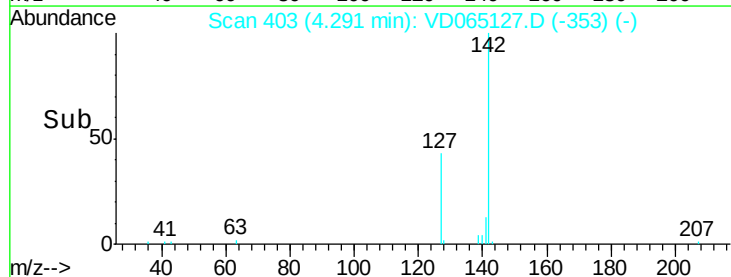
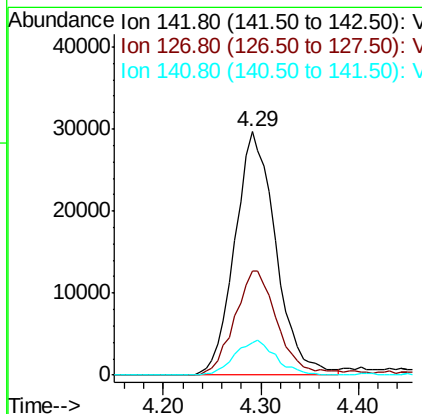
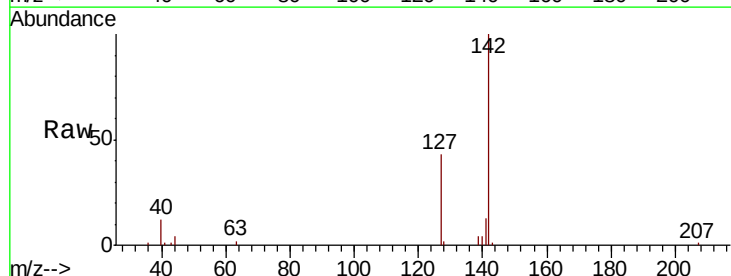
RT: 4.29 min Scan# 403

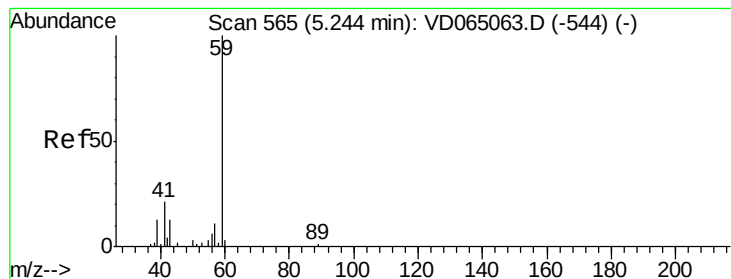
Delta R.T. -0.01 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Tgt Ion:	142	Resp:	86877
Ion Ratio	Lower	Upper	
142	100		
127	44.3	34.0	51.0
141	14.2	11.6	17.4





#11

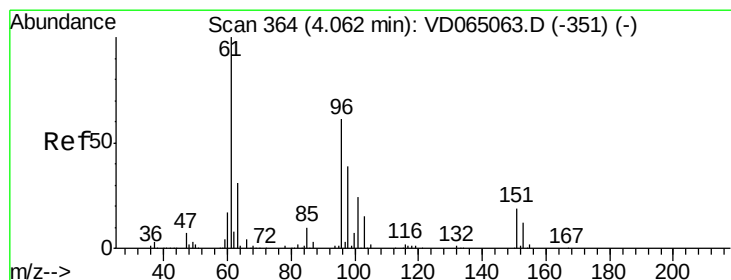
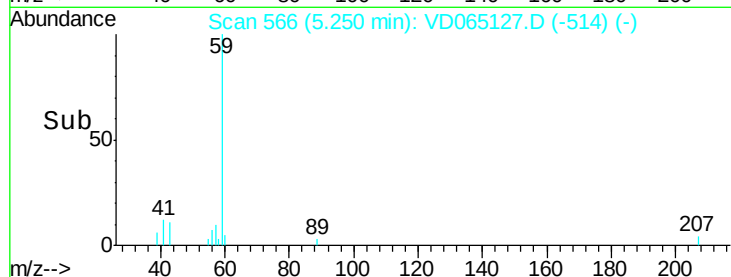
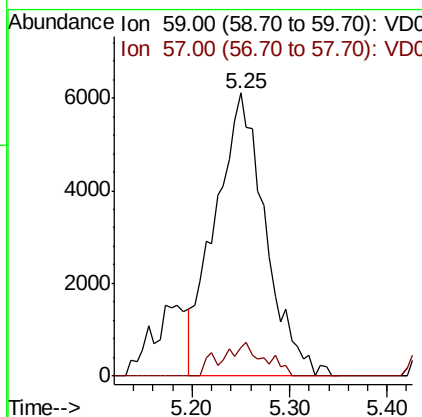
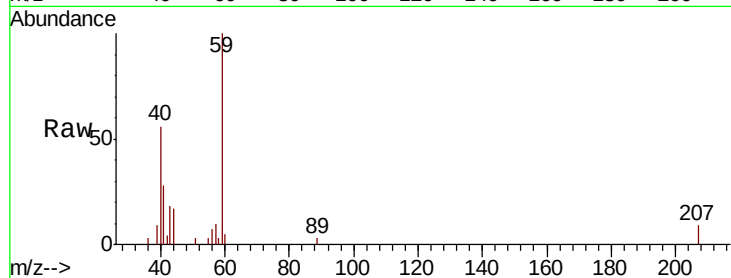
Tert butyl alcohol
 Concen: 89.015 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD065127.D
 Acq: 10 Feb 2020 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0210SBS01

Tot Ion: 59 Resp: 21732
 Ion Ratio Lower Upper
 59 100
 57 8.2 8.8 13.2#

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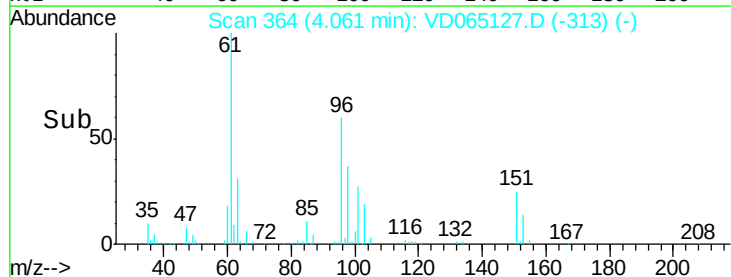
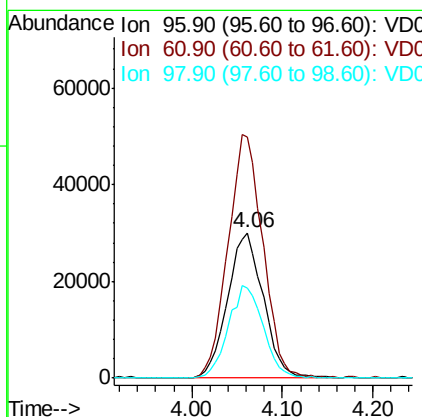
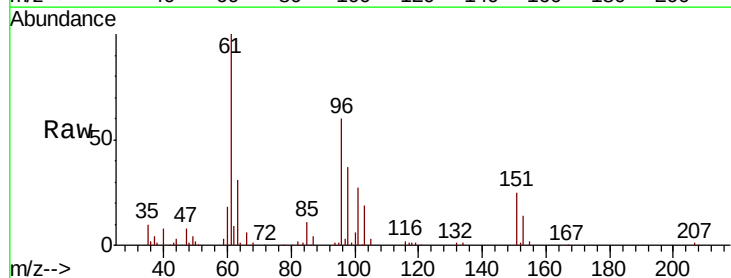
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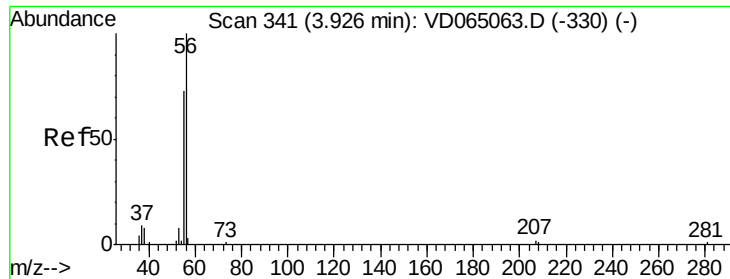


#12

1,1-Dichloroethene
 Concen: 19.841 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VD065127.D
 Acq: 10 Feb 2020 12:27

Tgt Ion: 96 Resp: 82342
 Ion Ratio Lower Upper
 96 100
 61 165.3 131.4 197.2
 98 61.9 51.1 76.7





#13

Acrolein

Concen: 93.432 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0210SBS01

Tot Ion: 56 Resp: 28056

Ion Ratio Lower Upper

56 100

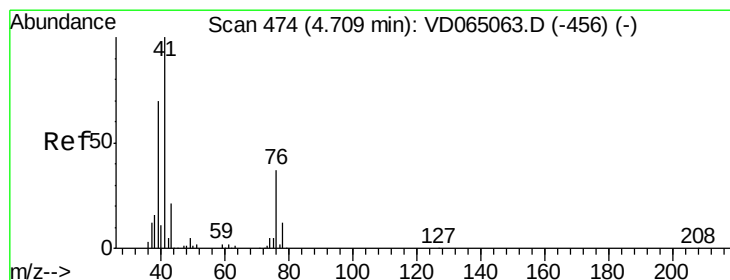
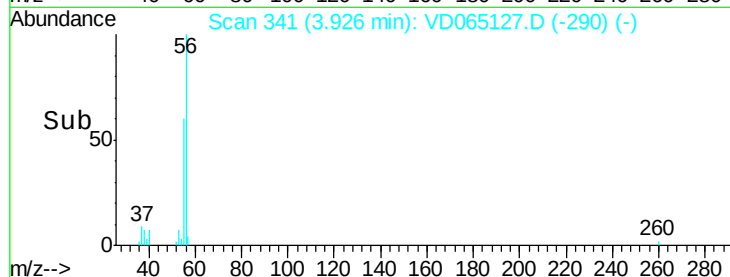
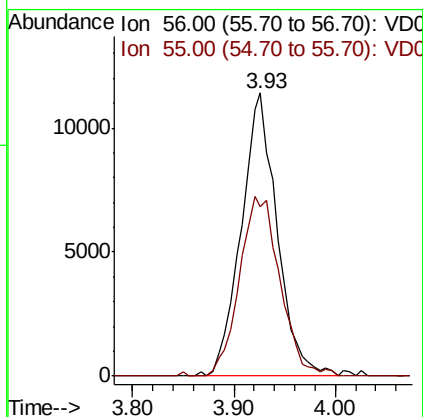
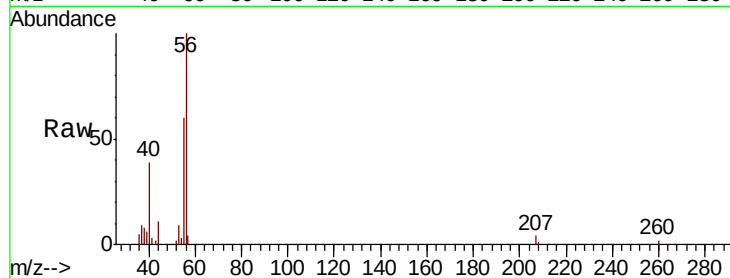
55 71.5 58.2 87.2

Manual Integrations

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#14

Allyl chloride

Concen: 19.020 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

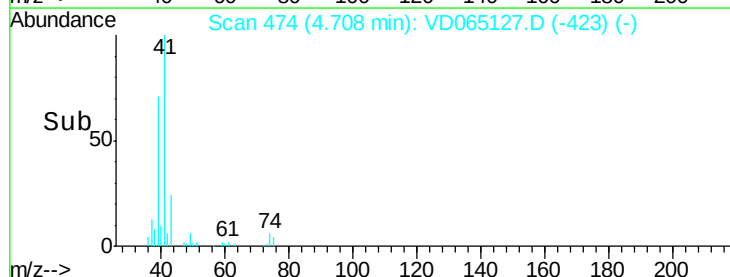
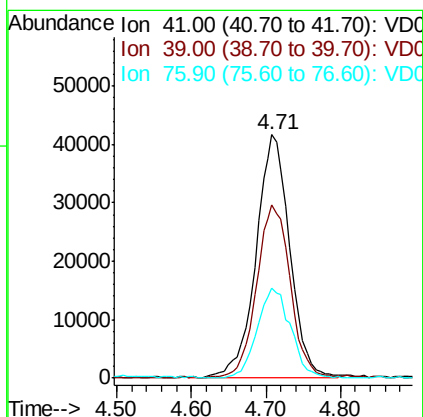
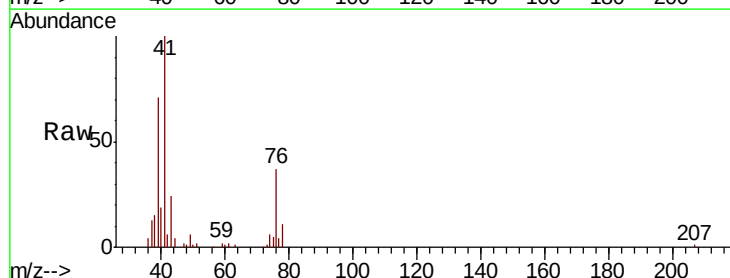
Tgt Ion: 41 Resp: 131185

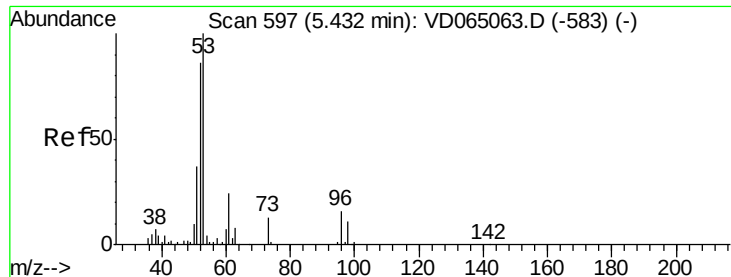
Ion Ratio Lower Upper

41 100

39 70.9 57.1 85.7

76 36.5 28.0 42.0





#15

Acrylonitrile

Concen: 96.986 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Instrument :

MSVOA_D

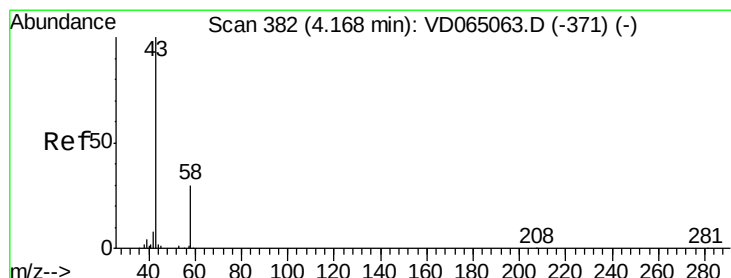
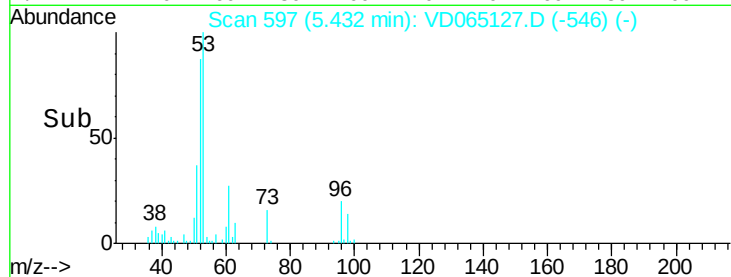
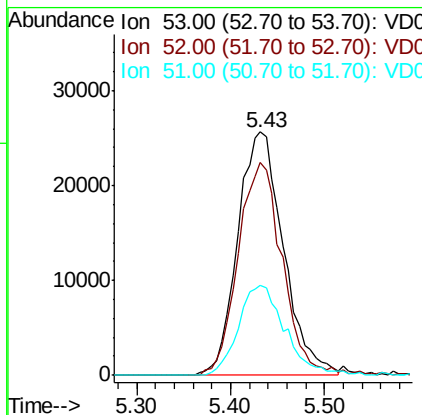
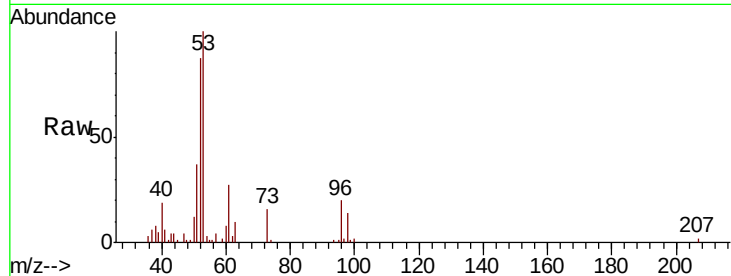
ClientSampleId :

VD0210SBS01

Tot Ion:	53	Resp:	86281
Ion	Ratio	Lower	Upper
53	100		
52	84.4	66.2	99.2
51	37.9	30.4	45.6

Manual Integrations
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#16

Acetone

Concen: 93.780 ug/l

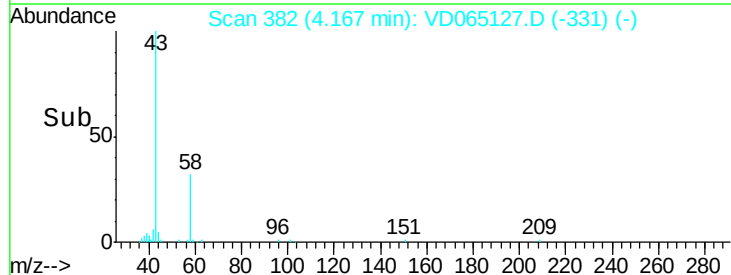
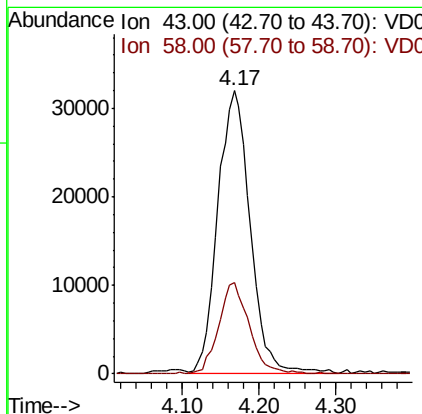
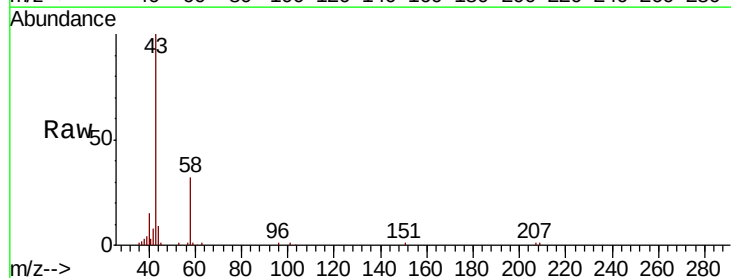
RT: 4.17 min Scan# 382

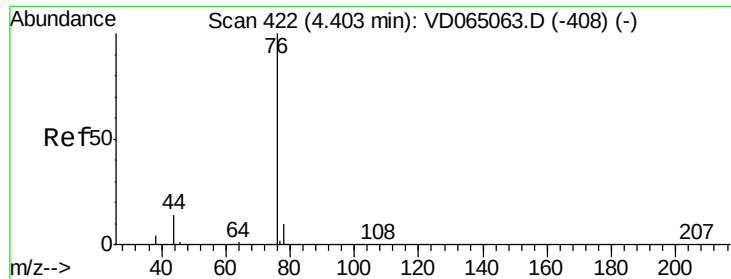
Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Tgt Ion:	43	Resp:	93688
Ion	Ratio	Lower	Upper
43	100		
58	32.1	23.5	35.3





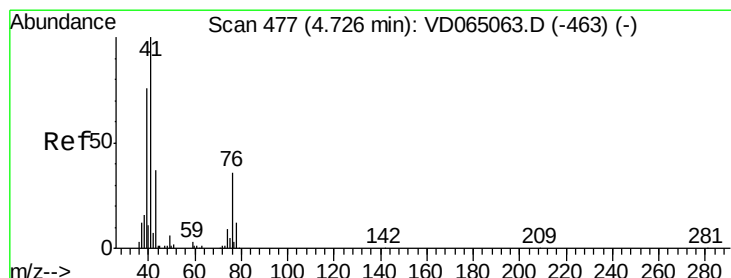
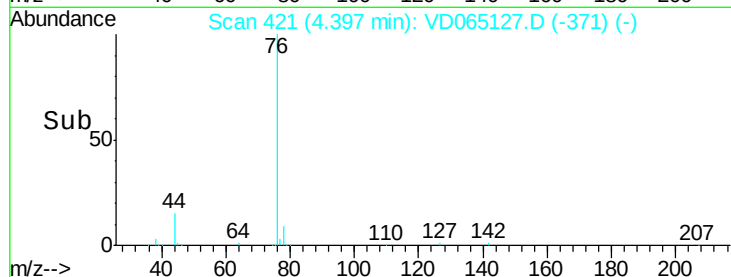
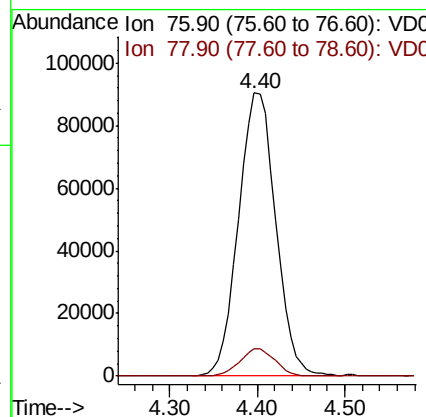
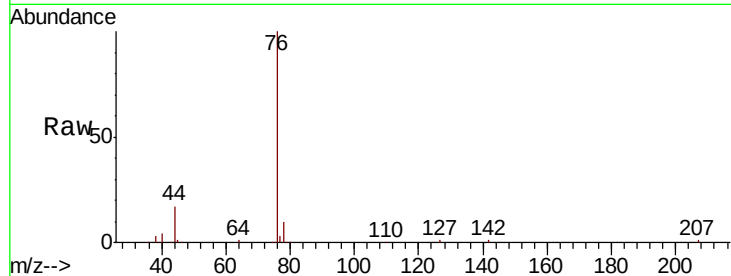
#17
Carbon Disulfide
Concen: 19.629 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0210SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.6	11.4

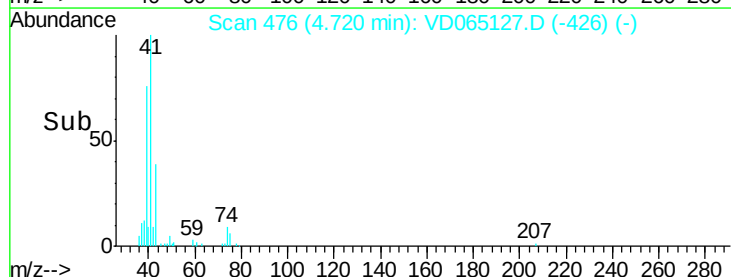
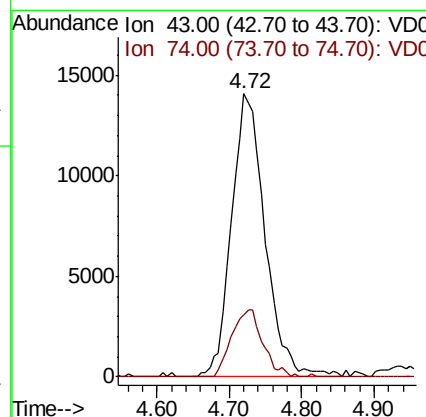
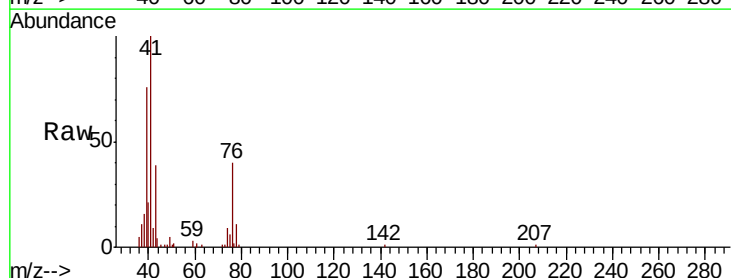
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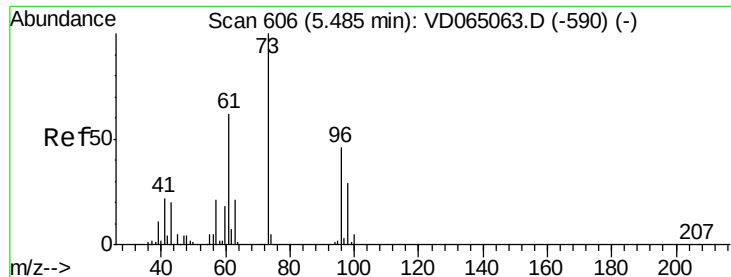
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#18
Methyl Acetate
Concen: 21.663 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.1	18.7	28.1





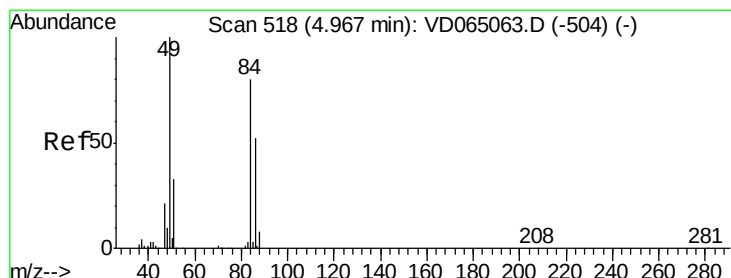
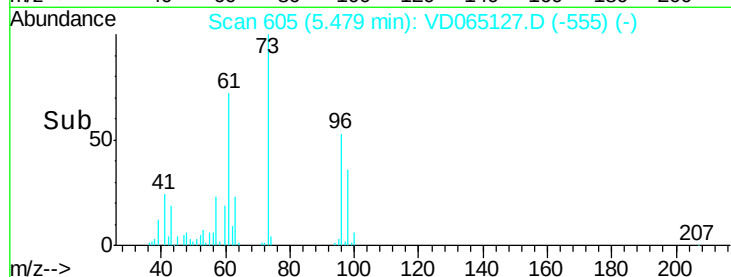
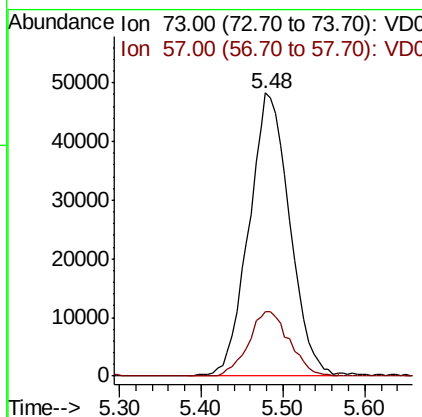
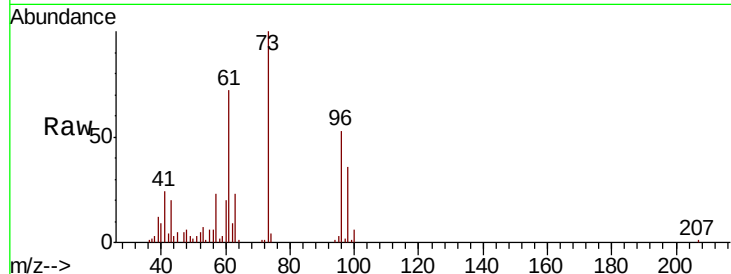
#19
Methyl tert-butyl Ether
Concen: 18.181 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0210SBS01

Tot Ion: 73 Resp: 166852
Ion Ratio Lower Upper
73 100
57 22.6 16.8 25.2

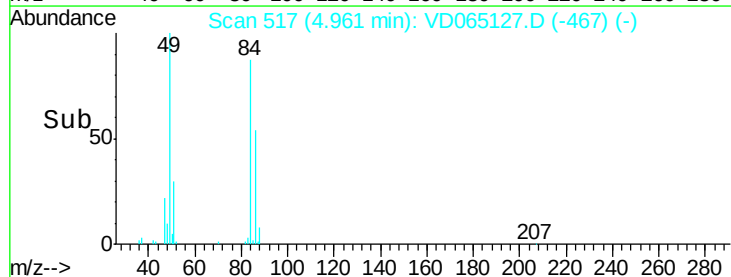
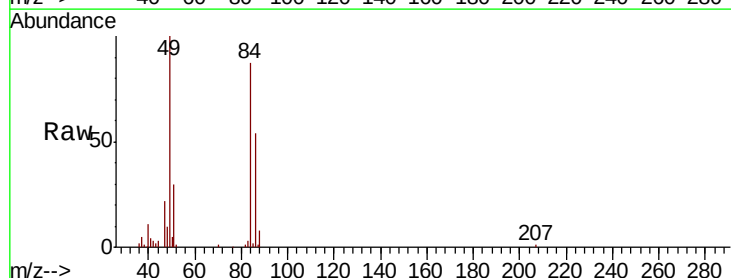
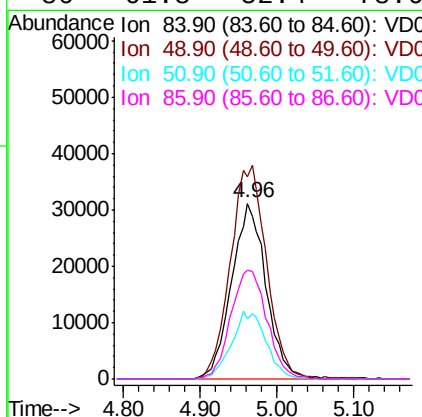
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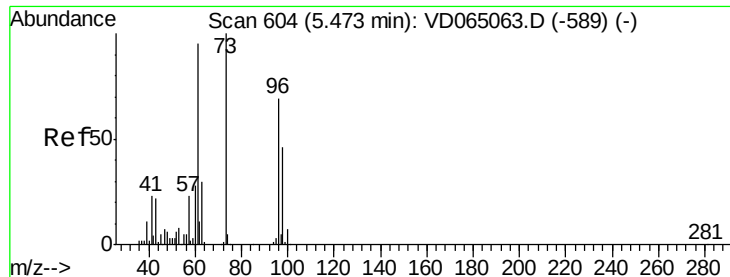
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#20
Methylene Chloride
Concen: 19.767 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

Tgt Ion: 84 Resp: 97433
Ion Ratio Lower Upper
84 100
49 115.0 100.4 150.6
51 34.0 32.7 49.1
86 61.8 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 19.535 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0210SBS01

Tot Ion: 96 Resp: 91723

Ion Ratio Lower Upper

96 100

61 140.4 109.5 164.3

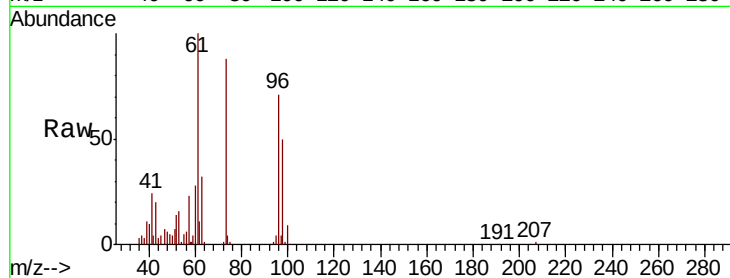
98 70.3 53.7 80.5

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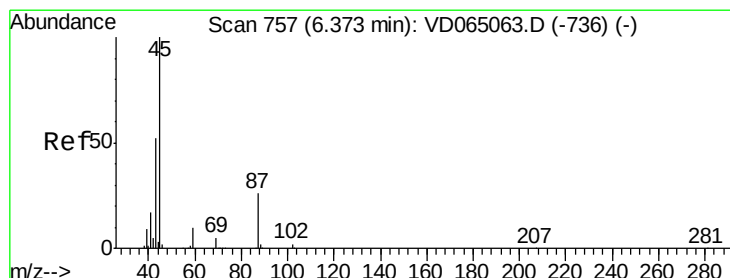
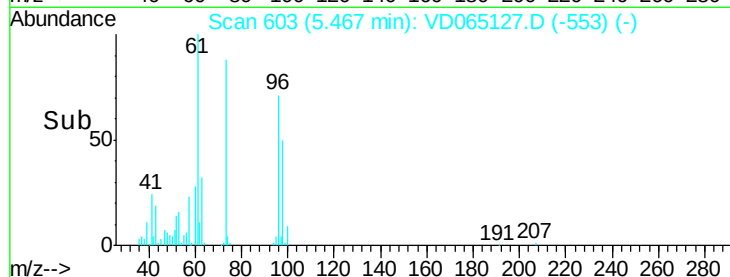
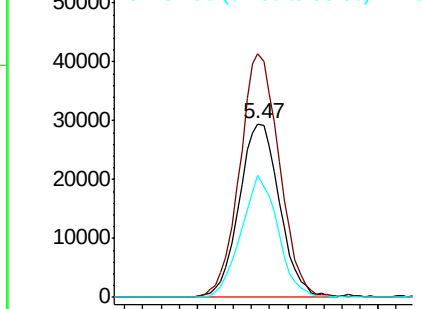


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 20.078 ug/l

RT: 6.37 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Tgt Ion: 45 Resp: 261207

Ion Ratio Lower Upper

45 100

43 52.1 41.3 61.9

87 26.2 21.0 31.6

59 10.6 8.2 12.4

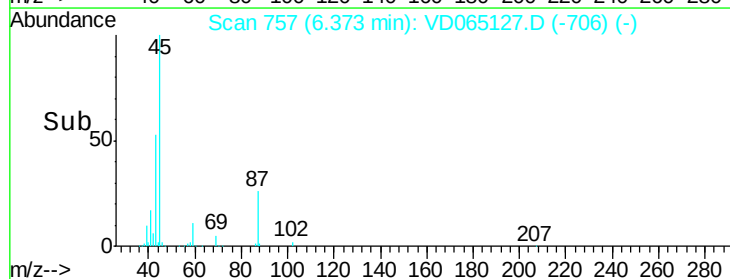
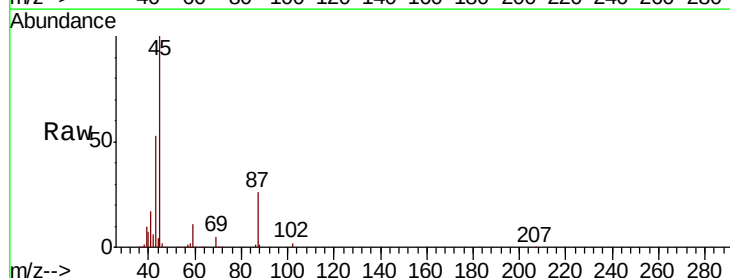
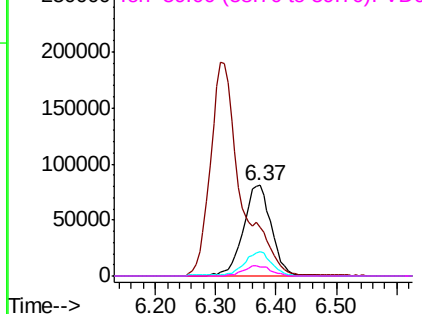
Abundance

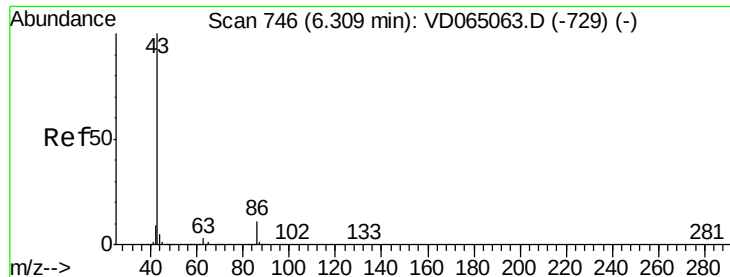
Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 91.665 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0210SBS01

Tot Ion: 43 Resp: 664707

Ion Ratio Lower Upper

43 100

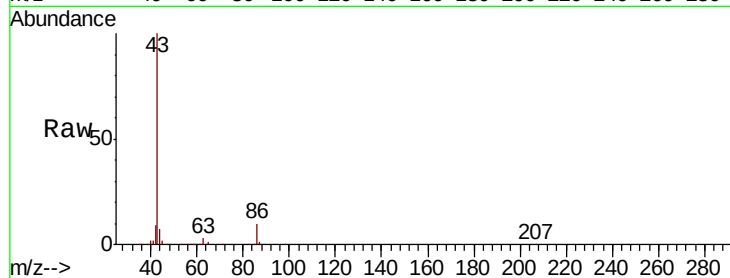
86 10.3 8.5 12.7

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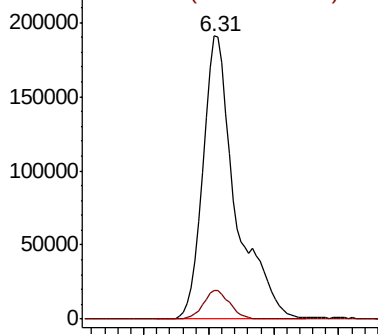
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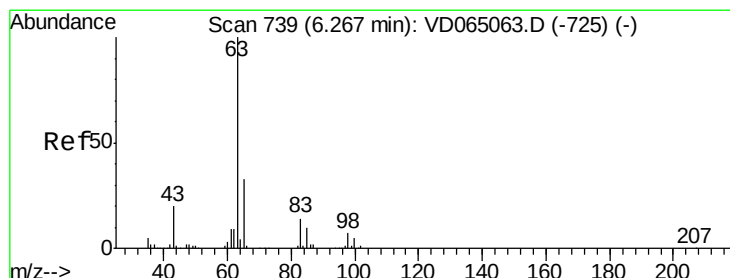
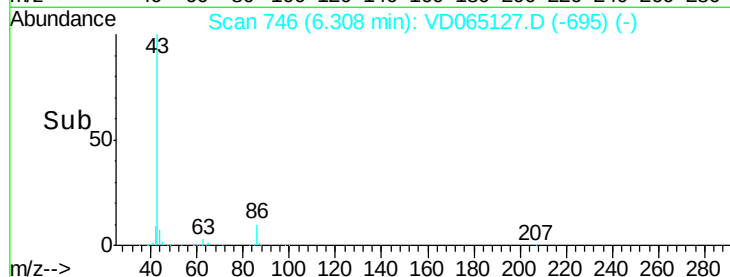


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time-->



#24

1,1-Dichloroethane

Concen: 20.133 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

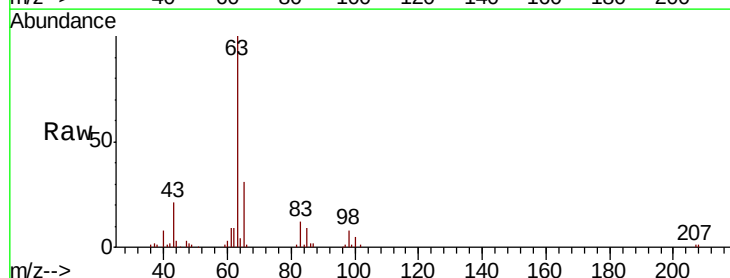
Tgt Ion: 63 Resp: 158540

Ion Ratio Lower Upper

63 100

98 8.5 3.5 10.4

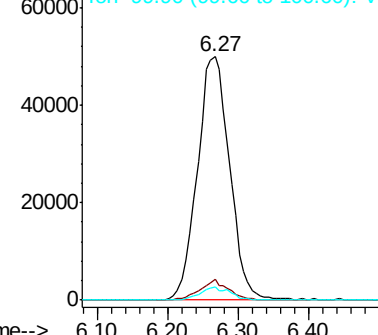
100 5.5 2.5 7.6



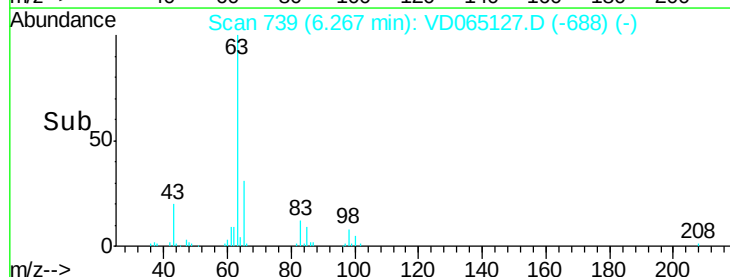
Abundance Ion 62.90 (62.60 to 63.60): VDC

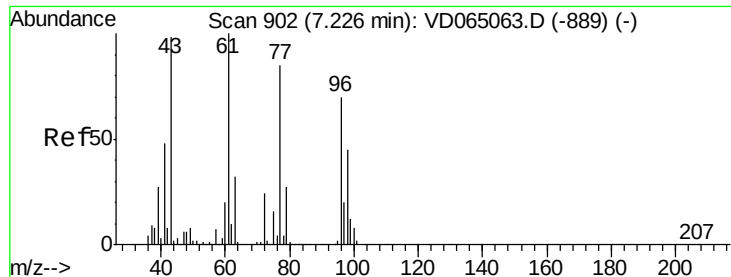
Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC



Time-->





#25

2-Butanone

Concen: 93.610 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0210SBS01

Tot Ion: 43 Resp: 111553

Ion Ratio Lower Upper

43 100

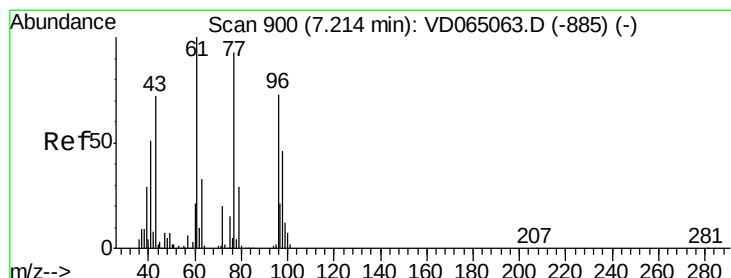
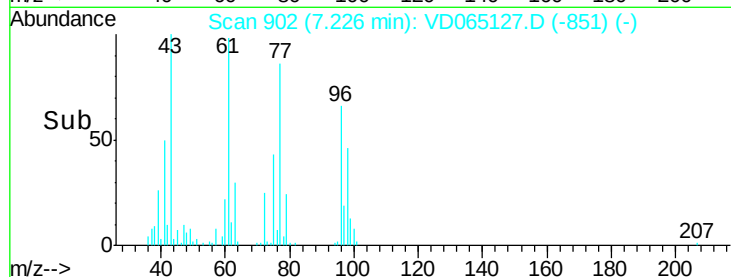
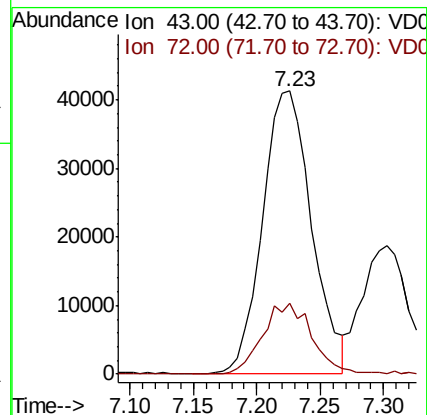
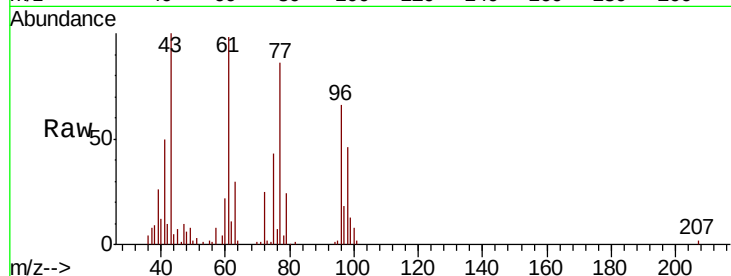
72 25.1 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.668 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065127.D

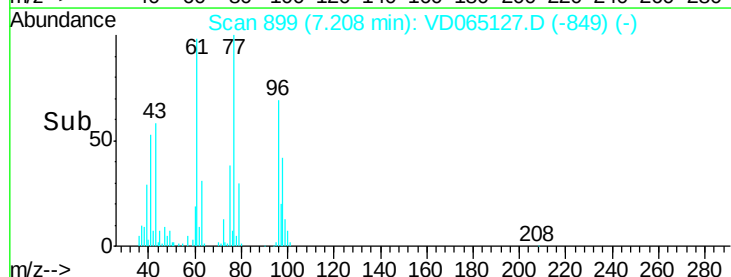
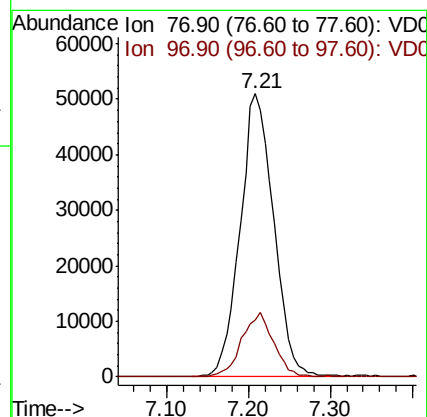
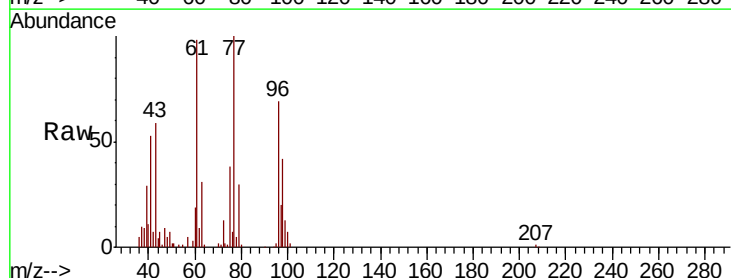
Acq: 10 Feb 2020 12:27

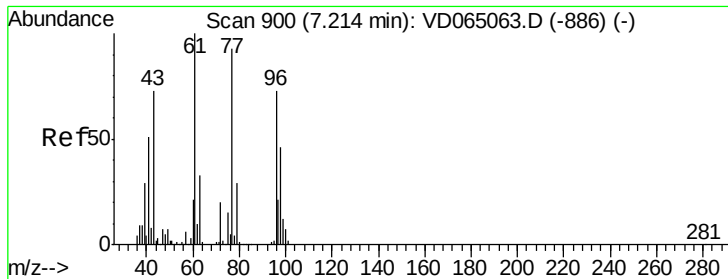
Tgt Ion: 77 Resp: 145881

Ion Ratio Lower Upper

77 100

97 21.6 10.9 32.6





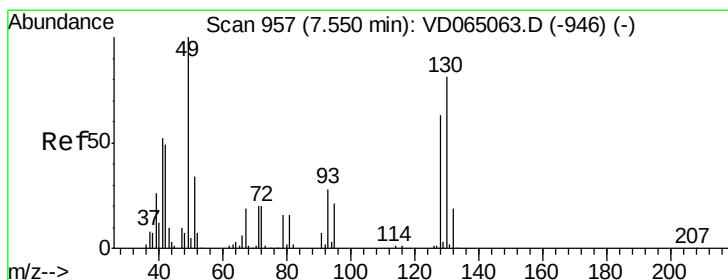
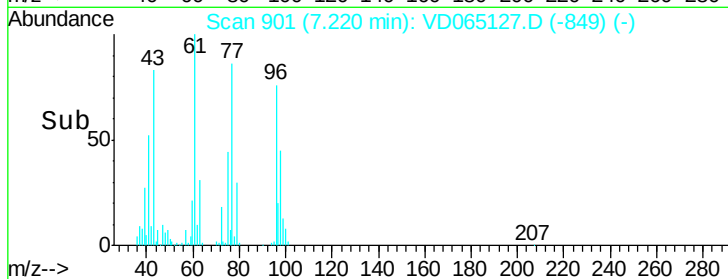
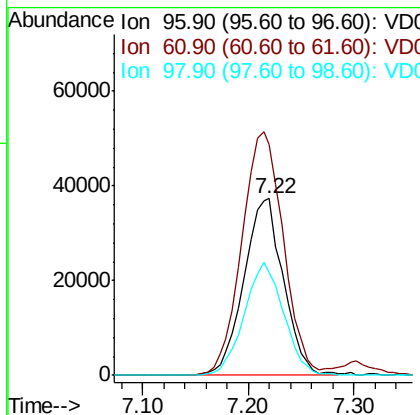
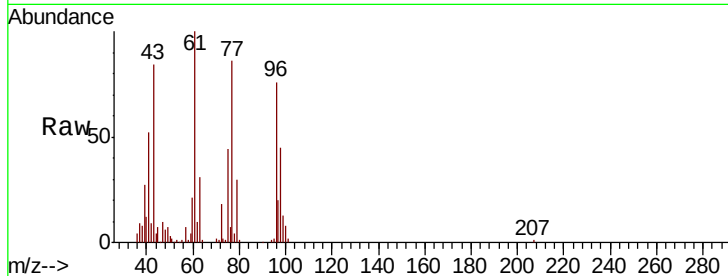
#27
 cis-1,2-Dichloroethene
 Concen: 19.503 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VD065127.D
 Acq: 10 Feb 2020 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0210SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.1	0.0	292.8
98	63.4	0.0	128.8

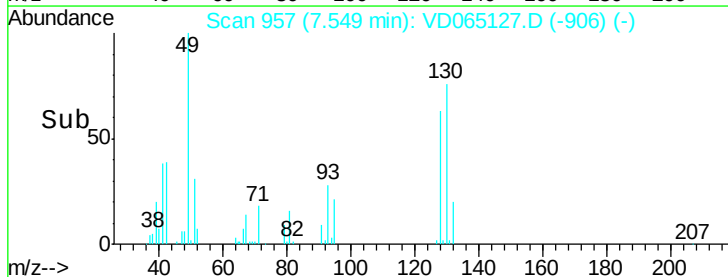
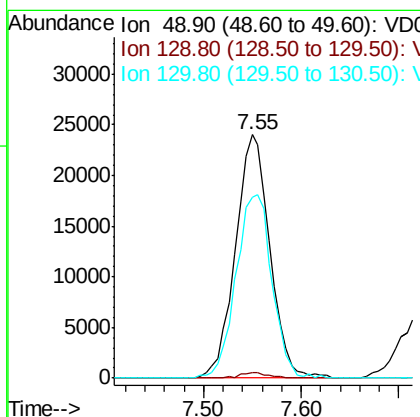
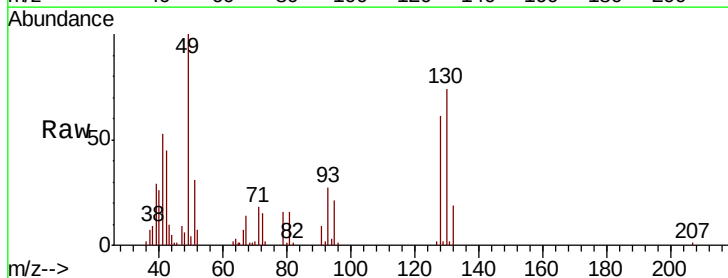
Manual Integrations
 APPROVED

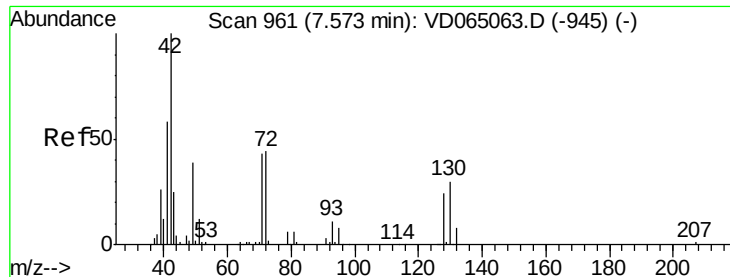
MMDadoda
 2/11/2020 6:09:32 PM



#28
 Bromochloromethane
 Concen: 19.753 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065127.D
 Acq: 10 Feb 2020 12:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.4
130	78.9	63.8	95.8





#29

Tetrahydrofuran

Concen: 96.927 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Instrument :

MSVOA_D

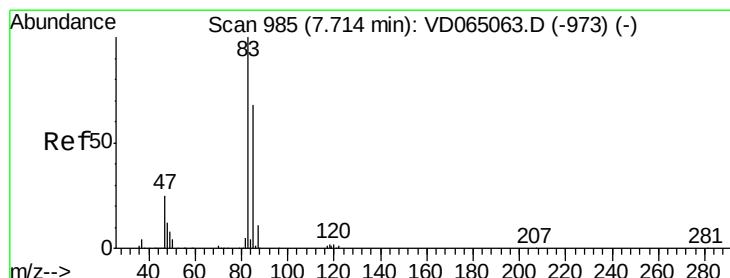
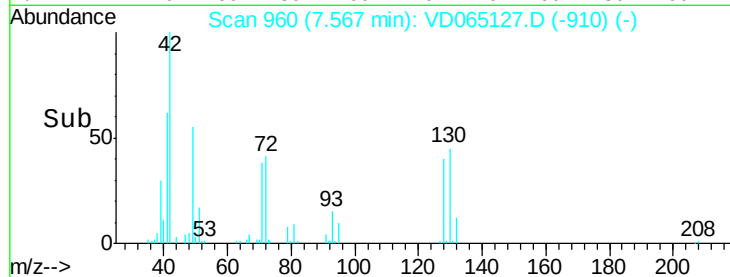
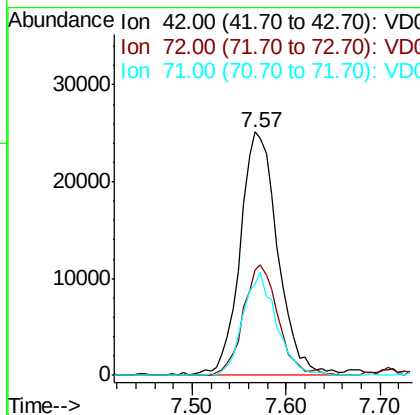
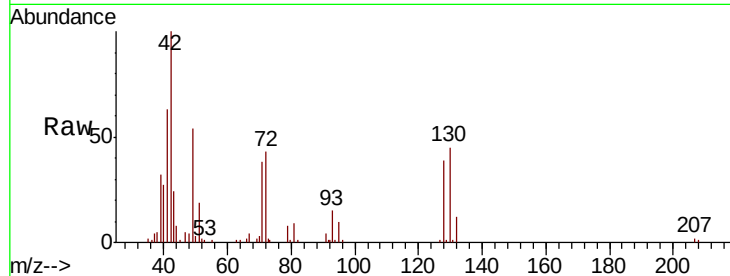
ClientSampleId :

VD0210SBS01

Tot Ion:	42	Resp:	69851
Ion Ratio	Lower	Upper	
42	100		
72	41.9	34.2	51.4
71	37.5	31.8	47.6

Manual Integrations
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2/11/2020 6:09:32 PM



#30

Chloroform

Concen: 20.324 ug/l

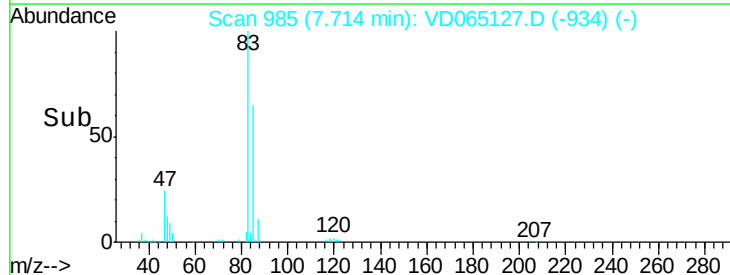
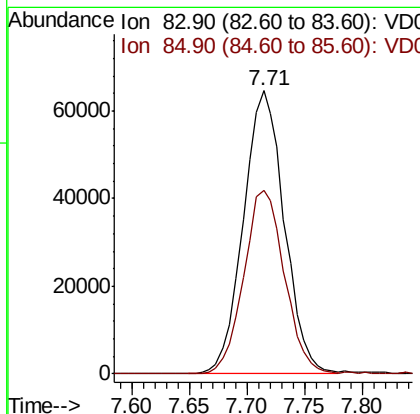
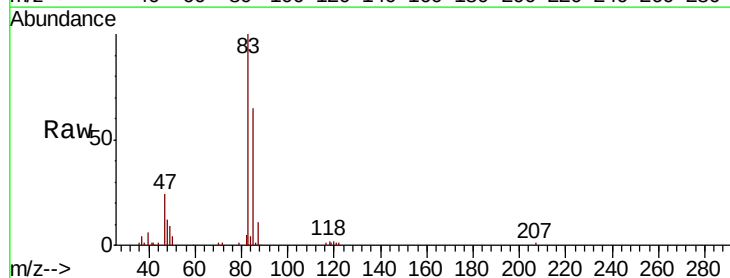
RT: 7.71 min Scan# 985

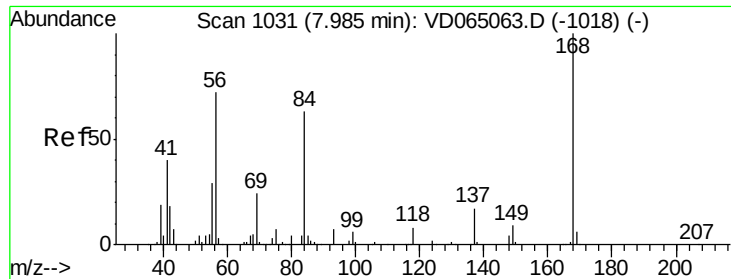
Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Tgt Ion:	83	Resp:	159358
Ion Ratio	Lower	Upper	
83	100		
85	64.8	54.2	81.4





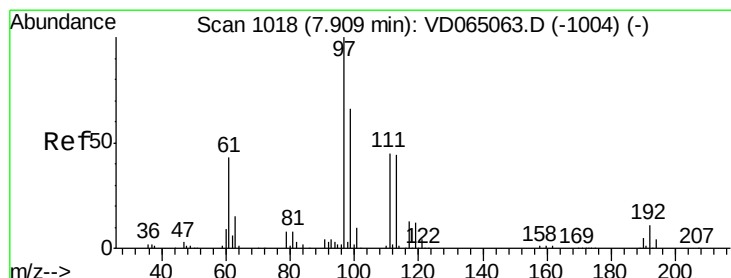
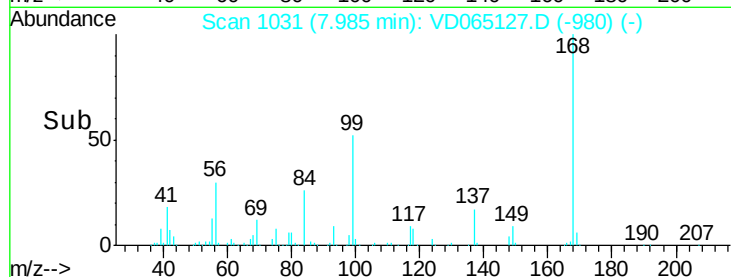
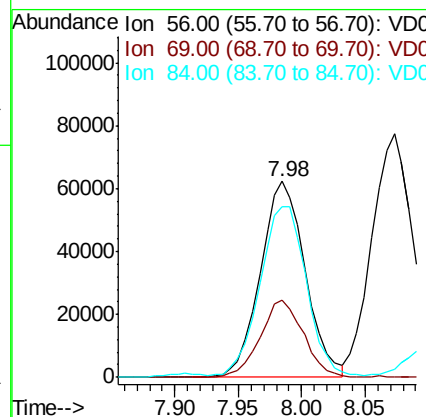
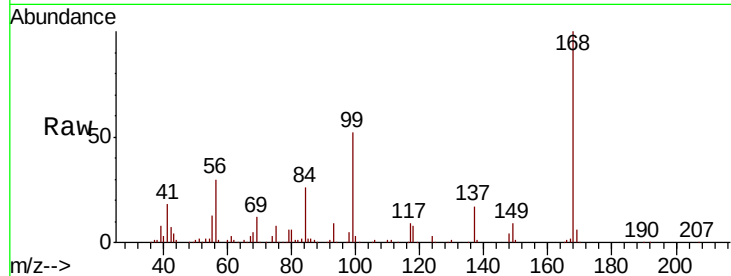
#31
Cyclohexane
Concen: 19.272 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0210SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.4	26.6	40.0
84	85.9	70.6	106.0

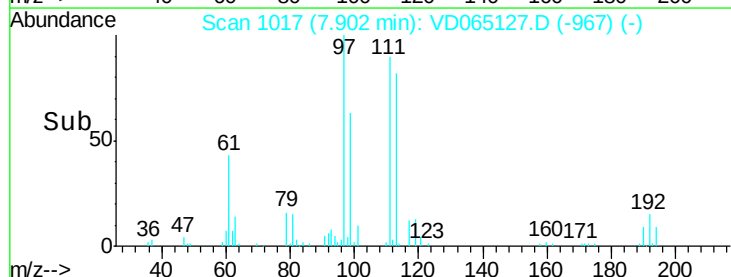
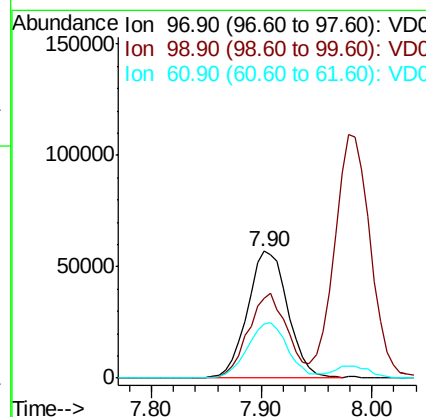
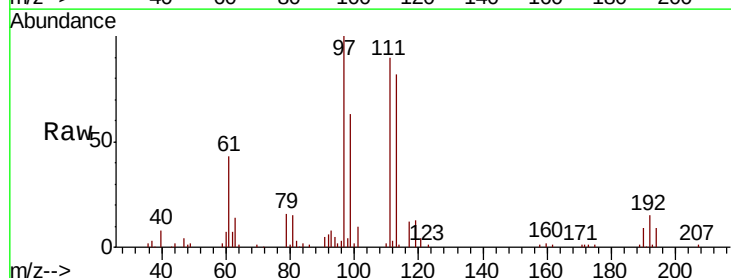
Manual Integrations
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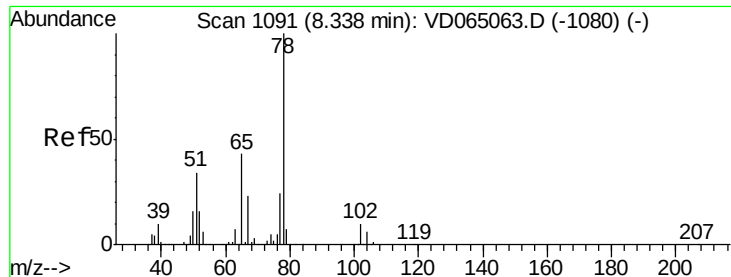
MMDadoda
2/11/2020 6:09:32 PM



#32
1,1,1-Trichloroethane
Concen: 20.072 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.5	77.3
61	43.7	34.8	52.2





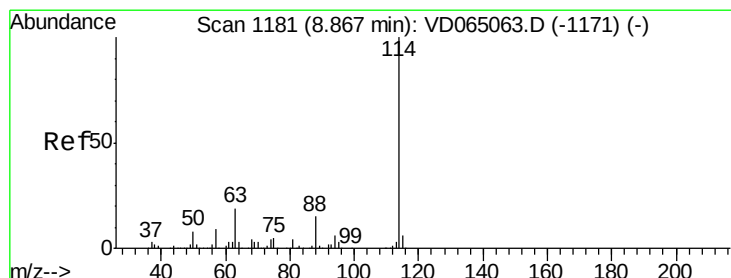
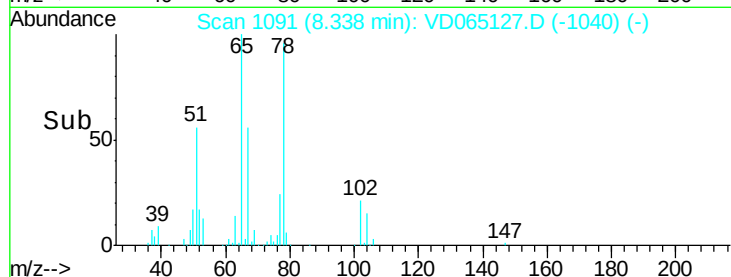
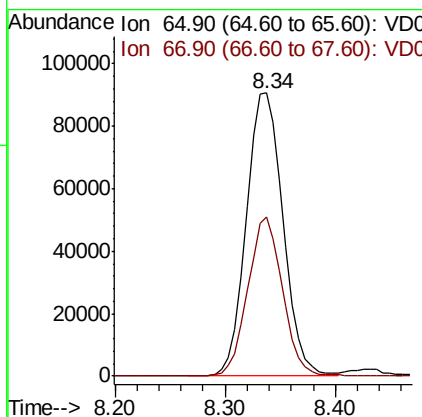
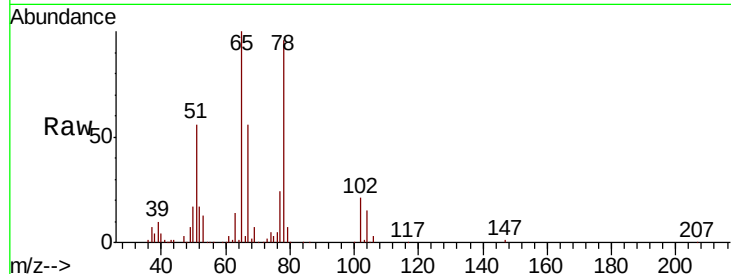
#33
 1,2-Dichloroethane-d4
 Concen: 53.014 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065127.D
 Acq: 10 Feb 2020 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0210SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	211835		
67	53.1	0.0	105.8	

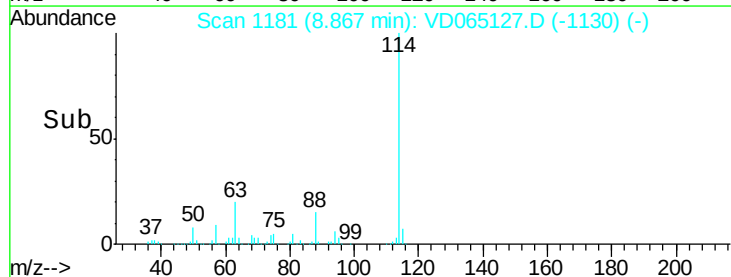
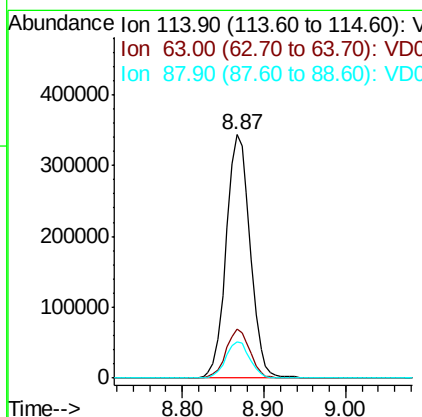
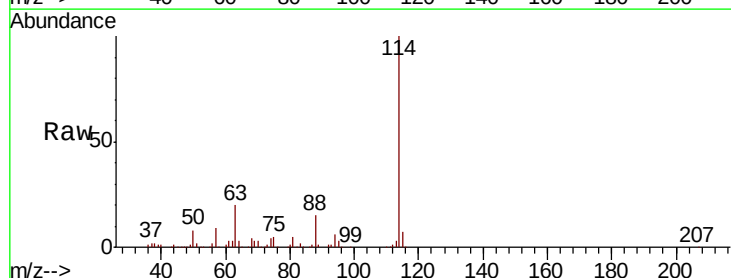
Manual Integrations
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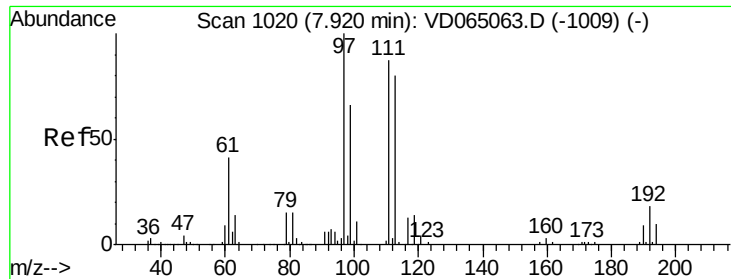
MMDadoda
 2/11/2020 6:09:32 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065127.D
 Acq: 10 Feb 2020 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	703708		
63	20.3	0.0	38.8	
88	14.8	0.0	29.6	





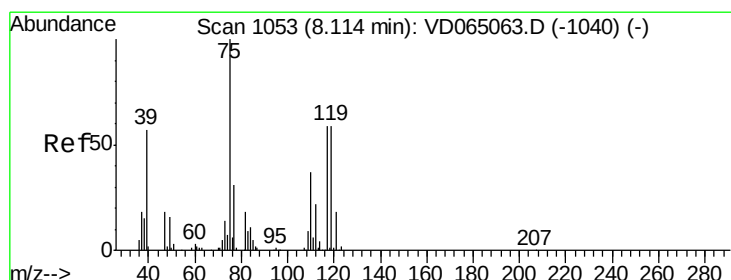
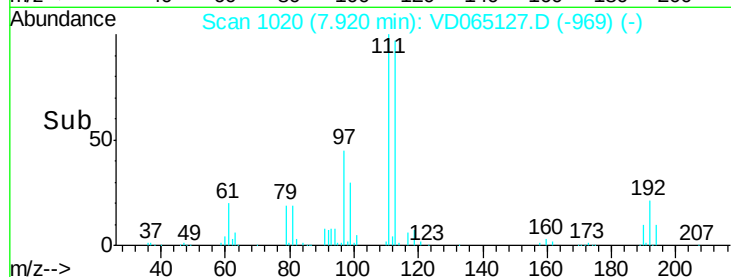
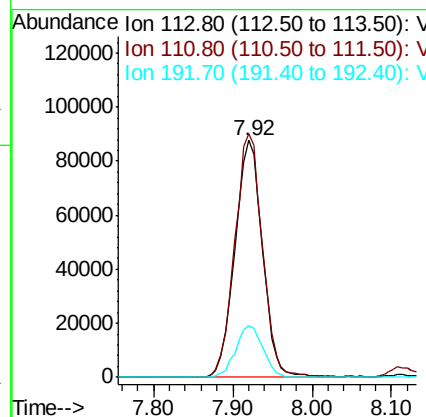
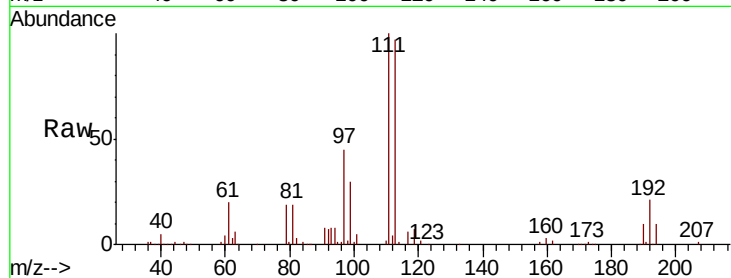
#35
Dibromofluoromethane
Concen: 53.680 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0210SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.2	83.1	124.7	
192	21.8	18.1	27.1	

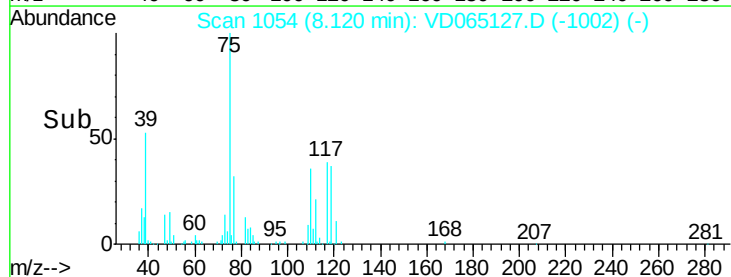
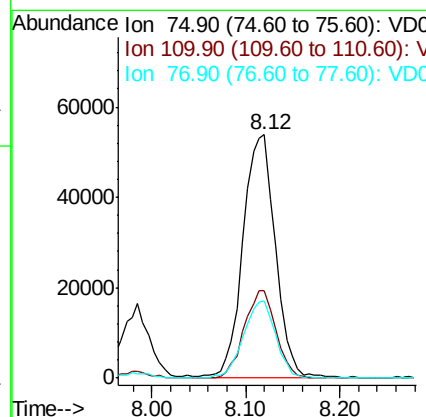
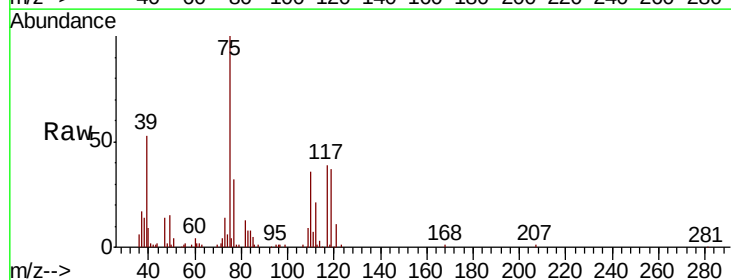
Manual Integrations
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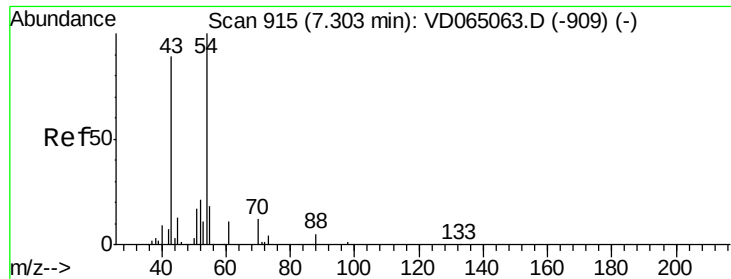
MMDadoda
2/11/2020 6:09:32 PM



#36
1,1-Dichloropropene
Concen: 19.765 ug/l
RT: 8.12 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.1	18.1	54.3	
77	31.6	24.7	37.1	





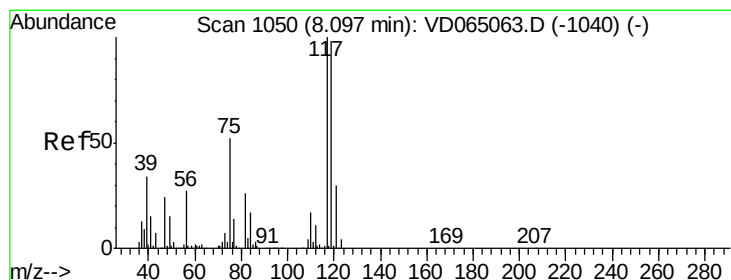
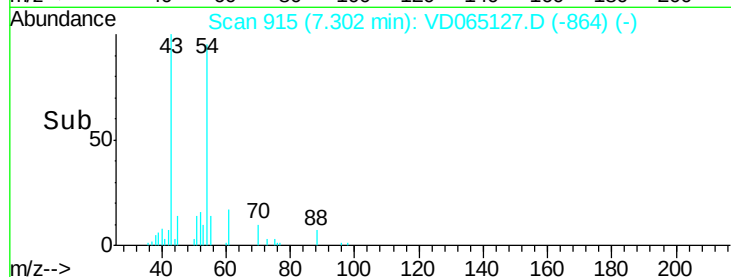
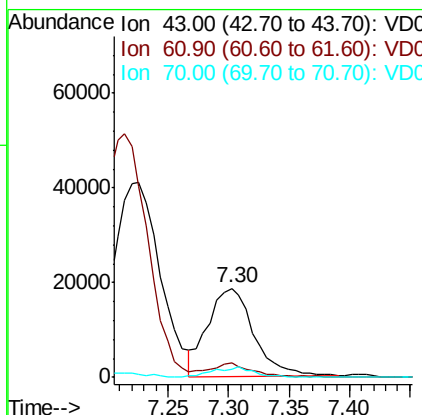
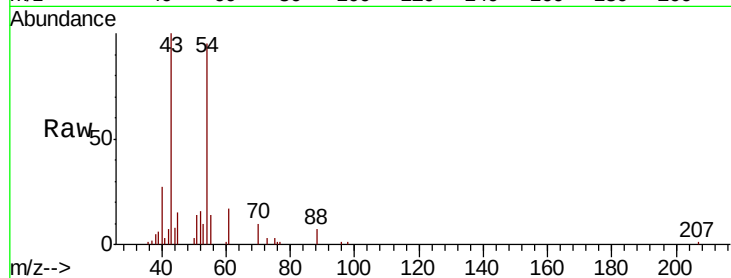
#37
Ethyl Acetate
Concen: 18.464 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0210SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.0	16.4
70	10.0	8.2	12.2

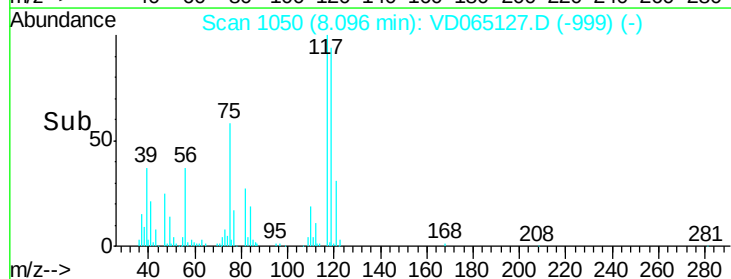
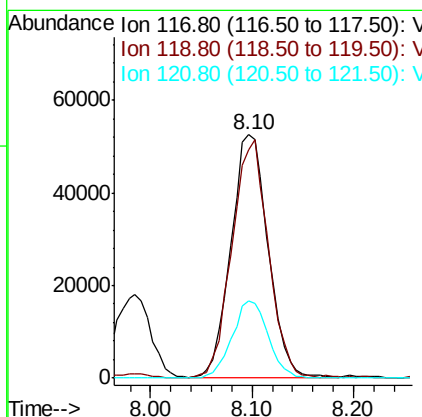
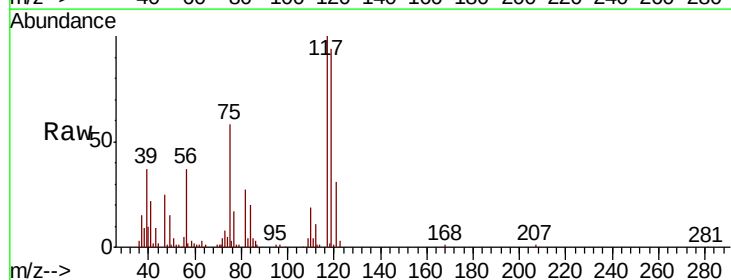
Manual Integrations
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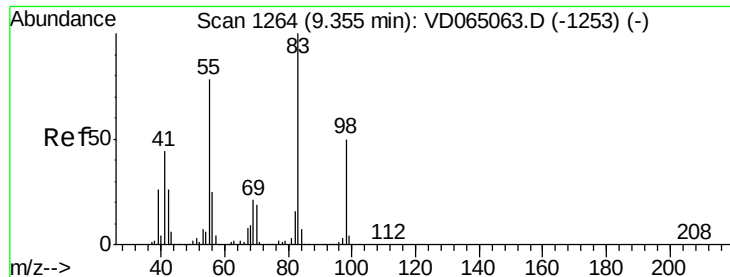
MMDadoda
2/11/2020 6:09:32 PM



#38
Carbon Tetrachloride
Concen: 19.943 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	78.5	117.7
121	31.6	23.8	35.6





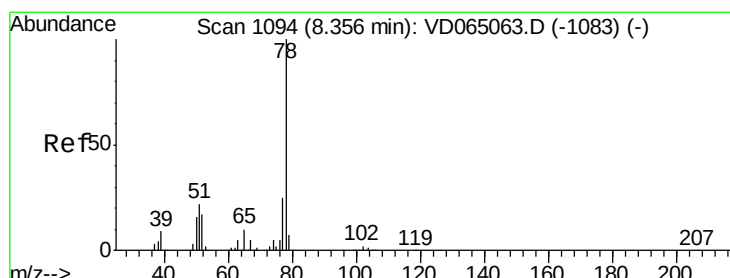
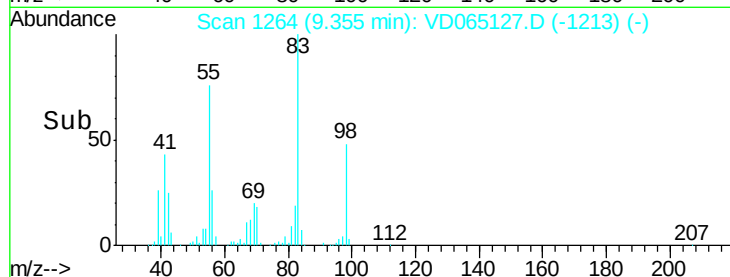
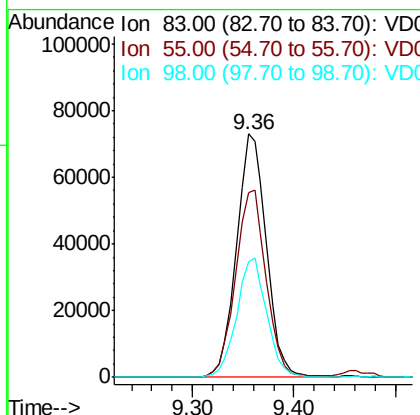
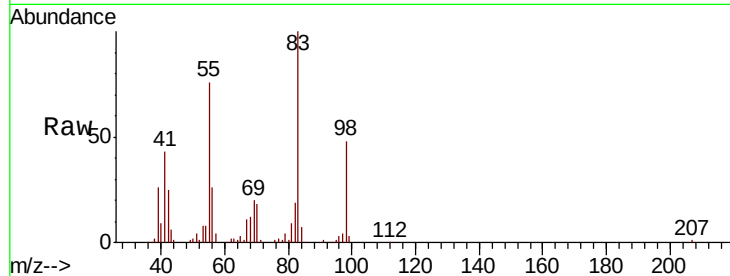
#39
Methylvlcyclohexane
Concen: 18.467 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0210SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	149152		
55	76.1	62.0	93.0	
98	47.7	39.9	59.9	

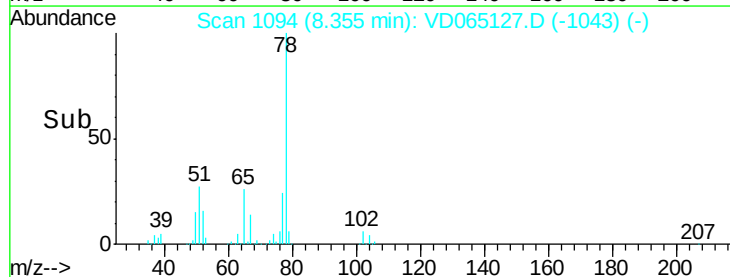
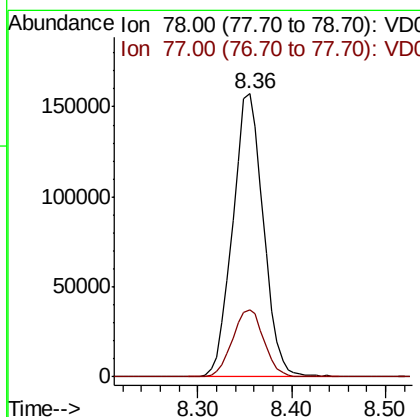
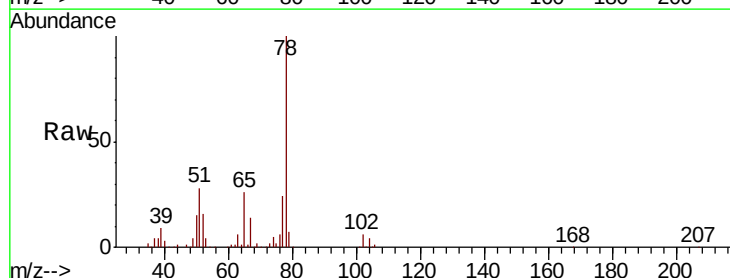
Manual Integrations
APPROVED

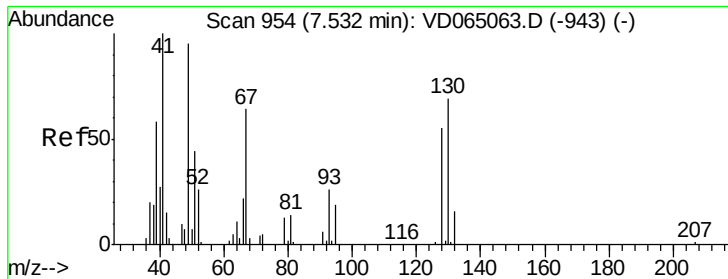
MMDadoda
2/11/2020 6:09:32 PM



#40
Benzene
Concen: 19.716 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	356250		
77	23.7	19.6	29.4	





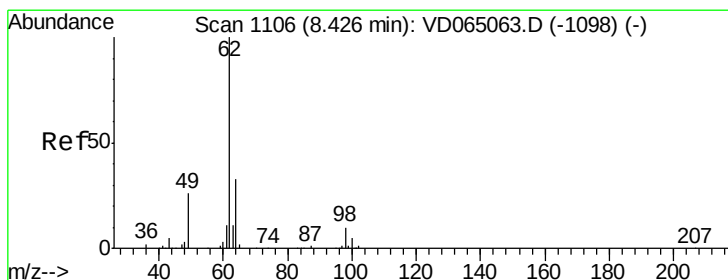
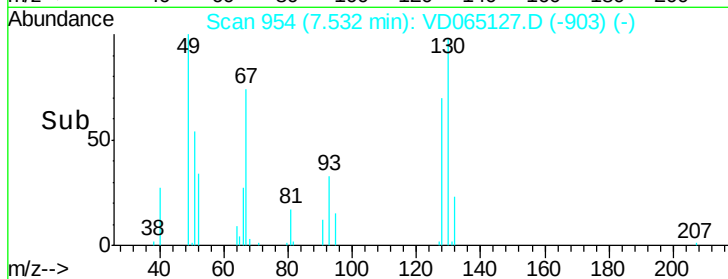
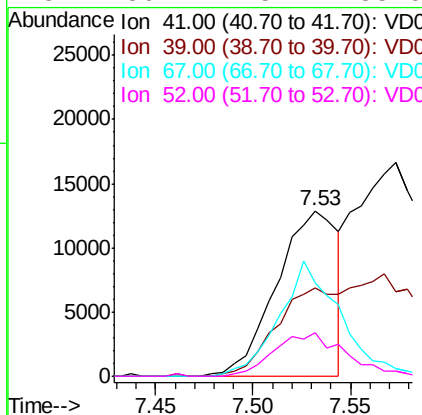
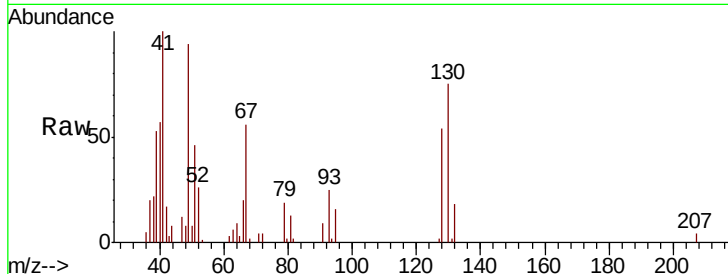
#41
Methacrylonitrile
Concen: 19.012 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0210SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	46.0	55.4	83.0#
67	69.3	59.0	88.6
52	30.2	25.4	38.0

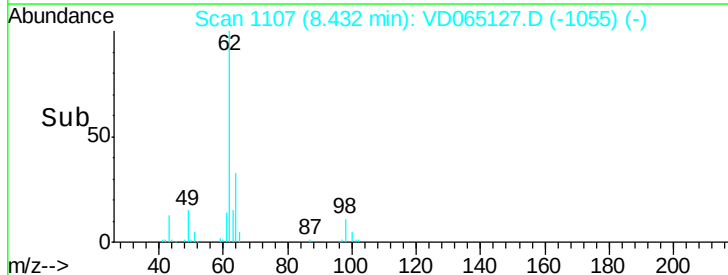
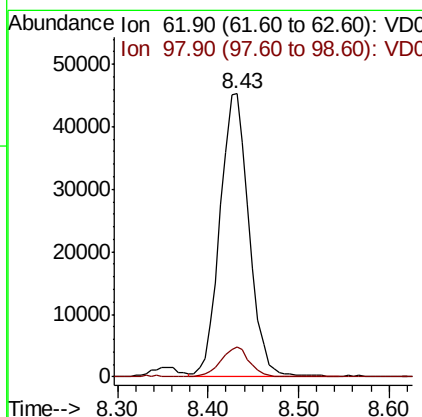
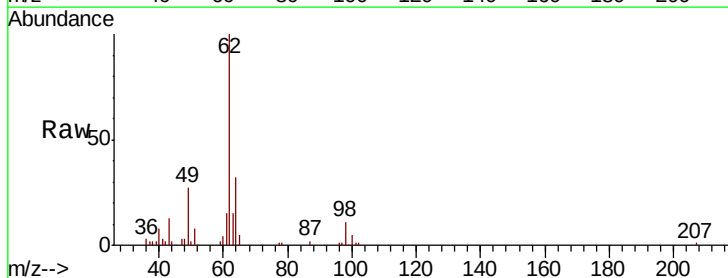
Manual Integrations
APPROVED

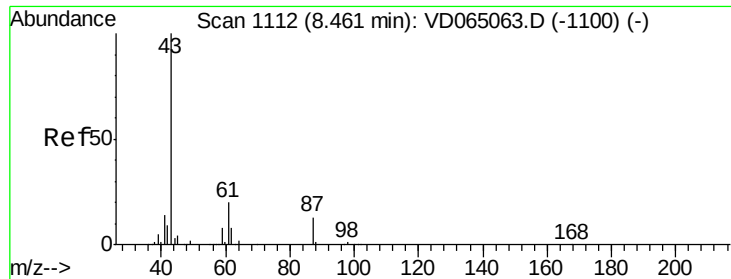
MMDadoda
2/11/2020 6:09:32 PM



#42
1,2-Dichloroethane
Concen: 19.568 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	18.6





#43

Isopropyl Acetate

Concen: 18.350 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Instrument :

MSVOA_D

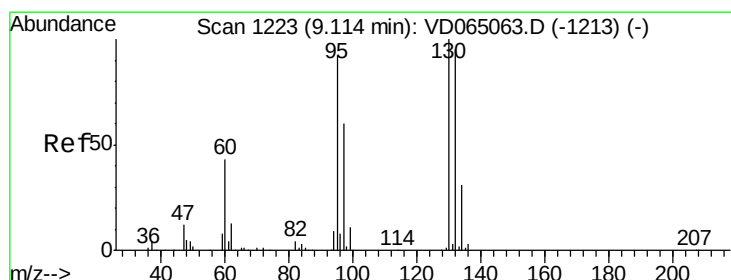
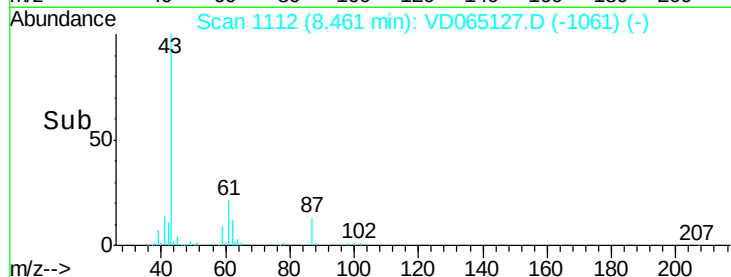
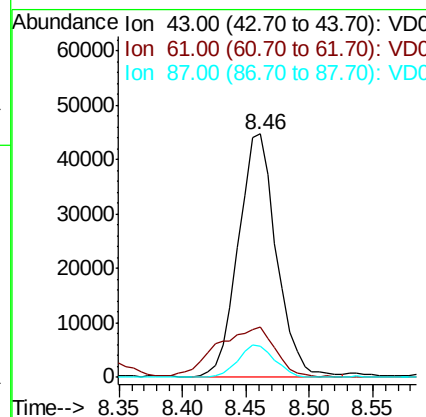
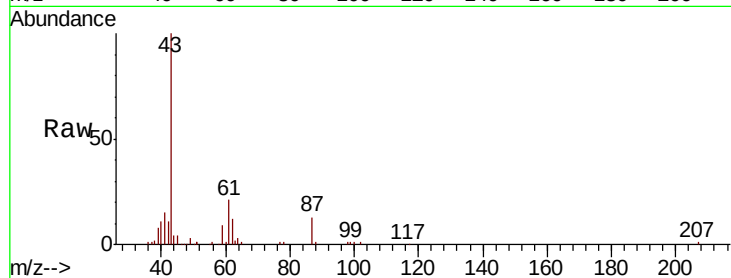
ClientSampleId :

VD0210SBS01

Tot Ion:	43	Resp:	93835
Ion	Ratio	Lower	Upper
43	100		
61	31.6	24.0	36.0
87	12.7	10.2	15.4

Manual Integrations
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#44

Trichloroethene

Concen: 19.397 ug/l

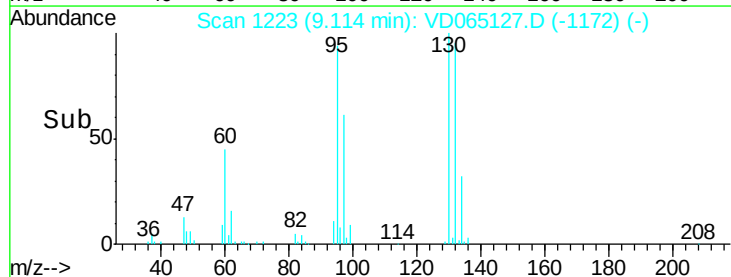
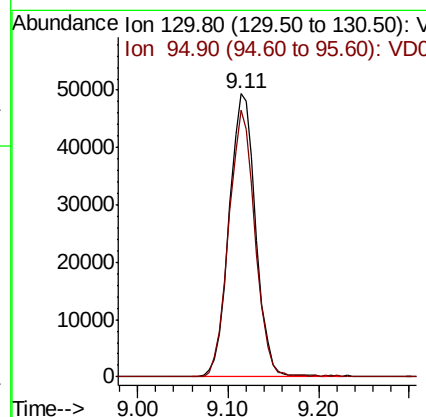
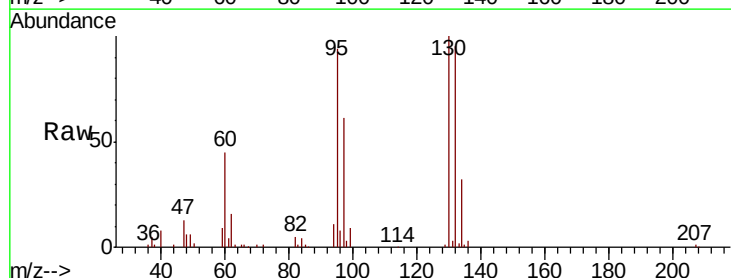
RT: 9.11 min Scan# 1223

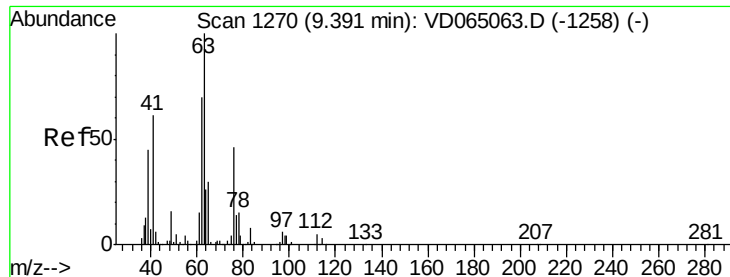
Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Tgt Ion:	130	Resp:	100603
Ion	Ratio	Lower	Upper
130	100		
95	94.3	0.0	185.0





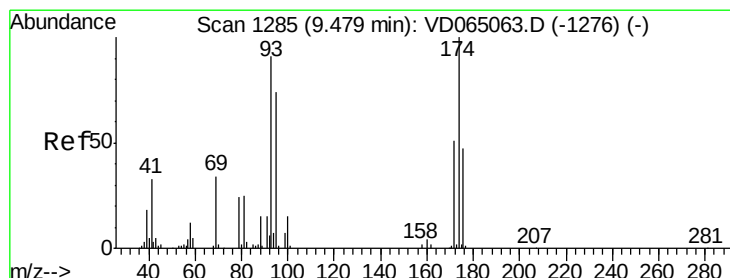
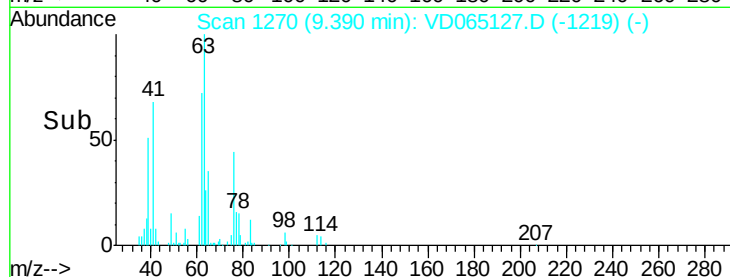
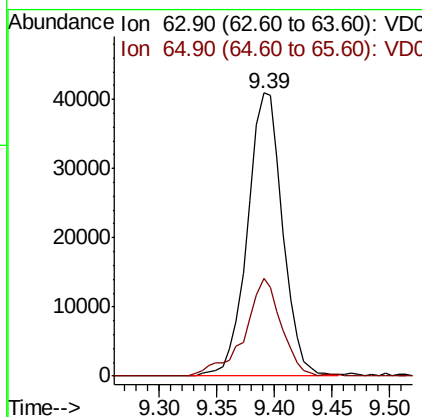
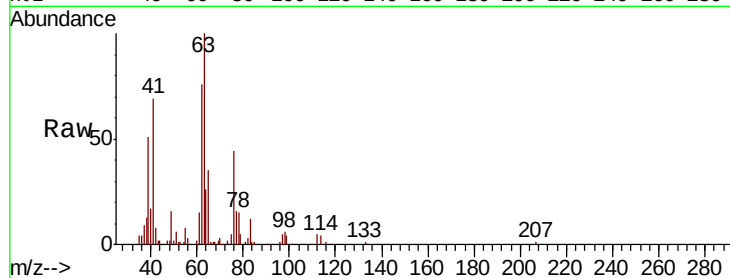
#45
 1,2-Dichloropropane
 Concen: 20.074 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065127.D
 Acq: 10 Feb 2020 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0210SBSD01

Tot Ion	63	Resp	86968
Ion Ratio	Lower	Upper	
63	100		
65	34.7	23.9	35.9

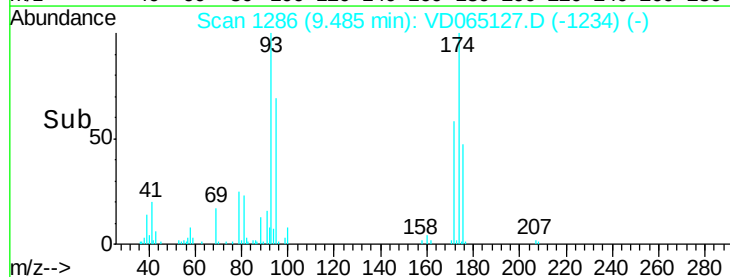
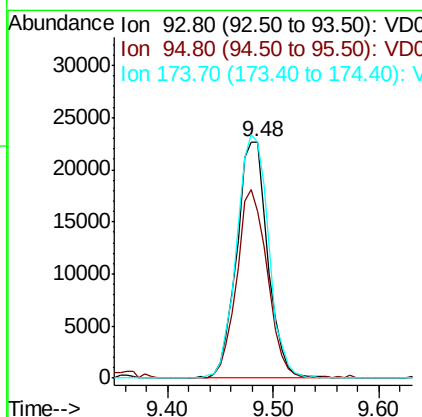
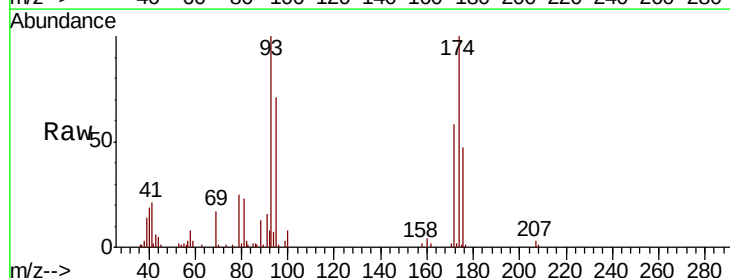
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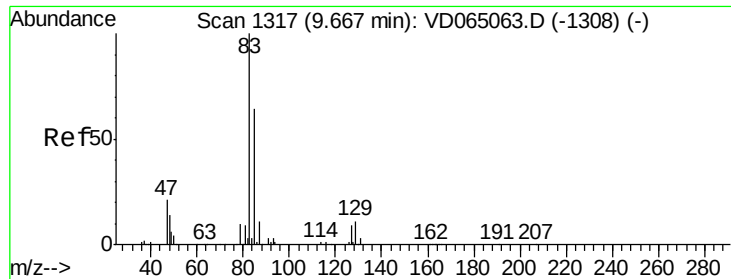
MMDadoda
 2/11/2020 6:09:32 PM



#46
 Dibromomethane
 Concen: 20.261 ug/l
 RT: 9.48 min Scan# 1286
 Delta R.T. 0.01 min
 Lab File: VD065127.D
 Acq: 10 Feb 2020 12:27

Tgt Ion	93	Resp	46126
Ion Ratio	Lower	Upper	
93	100		
95	78.7	66.5	99.7
174	105.8	89.8	134.8





#47

Bromodichloromethane

Concen: 20.573 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Instrument :

MSVOA_D

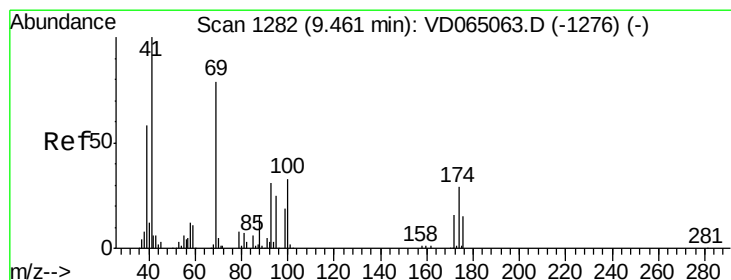
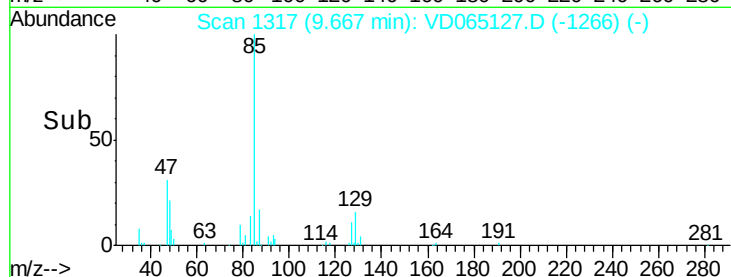
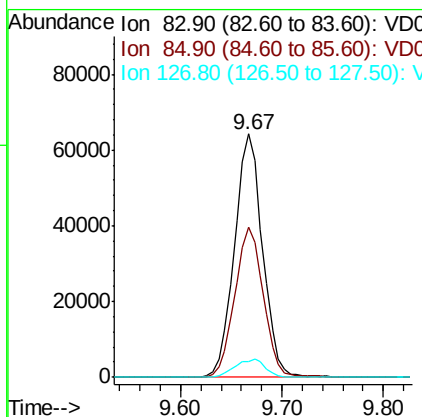
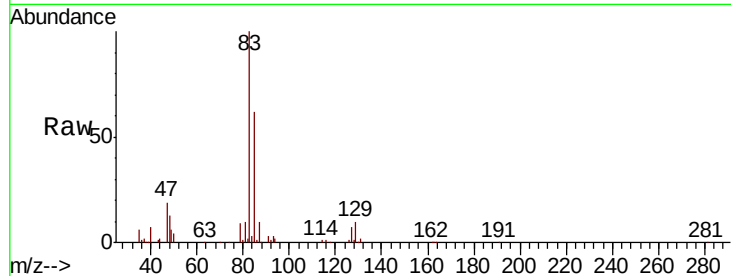
ClientSampleId :

VD0210SBS01

Tot Ion:	83	Resp:	123407
Ion Ratio	Lower	Upper	
83	100		
85	61.6	51.0	76.6
127	6.7	7.3	10.9#

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.369 ug/l

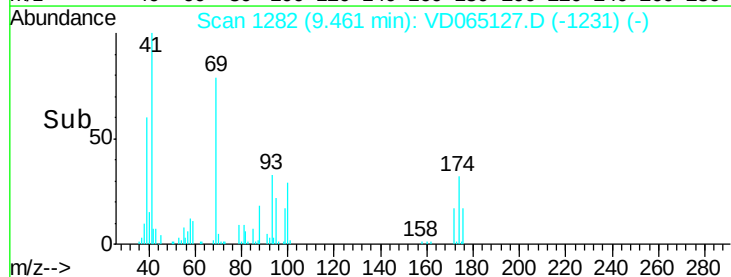
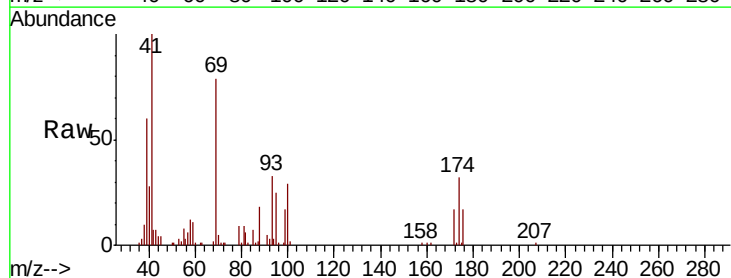
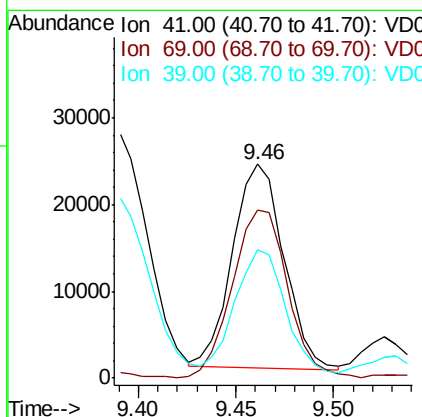
RT: 9.46 min Scan# 1282

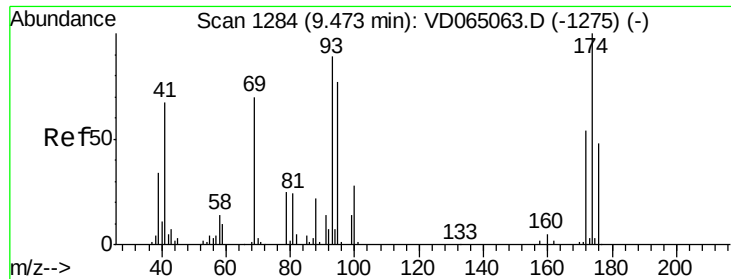
Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Tgt Ion:	41	Resp:	42741
Ion Ratio	Lower	Upper	
41	100		
69	89.3	67.5	101.3
39	58.0	47.0	70.4





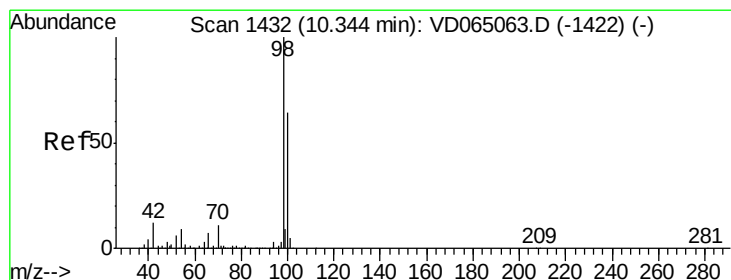
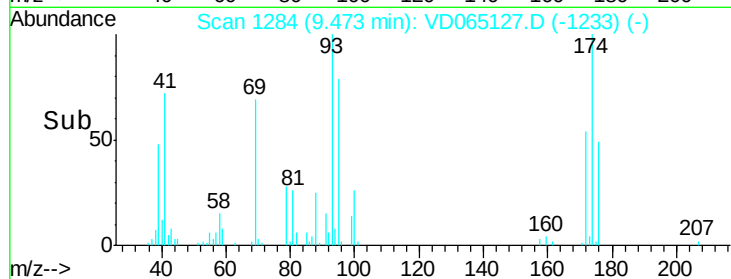
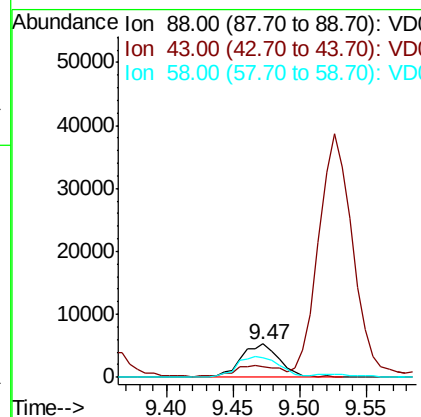
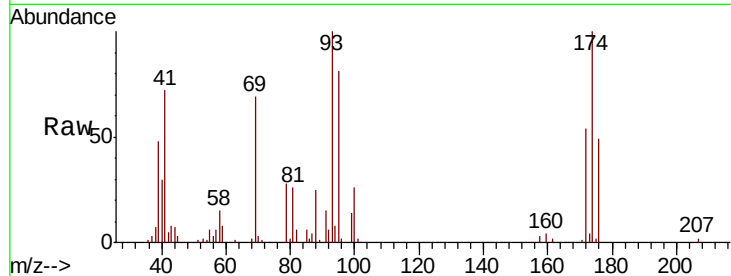
#49
 1,4-Dioxane
 Concen: 387.256 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.00 min
 Lab File: VD065127.D
 Acq: 10 Feb 2020 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0210SBSD01

Tot Ion	88	Resp	10442
Ion Ratio	Lower	Upper	
88	100		
43	42.5	27.7	41.5#
58	71.6	55.5	83.3

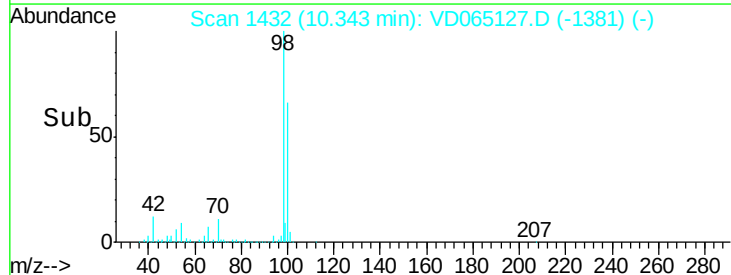
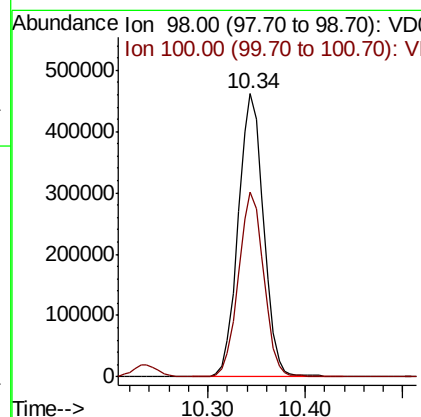
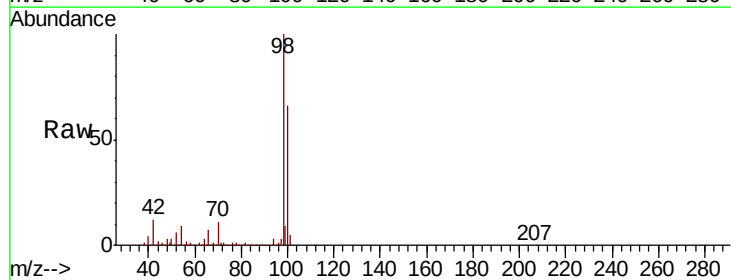
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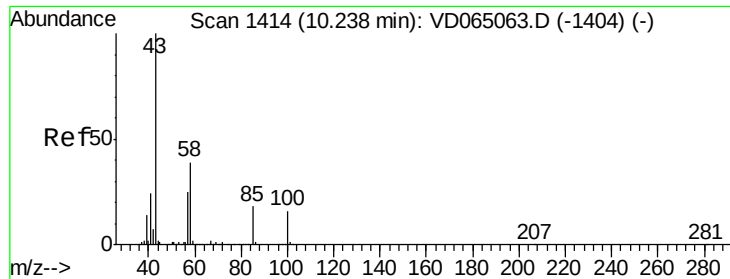
MMDadoda
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#50
 Toluene-d8
 Concen: 53.252 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. -0.00 min
 Lab File: VD065127.D
 Acq: 10 Feb 2020 12:27

Tgt Ion	98	Resp	832206
Ion Ratio	Lower	Upper	
98	100		
100	65.5	52.1	78.1





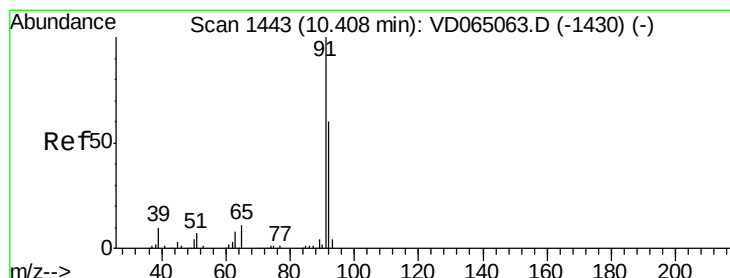
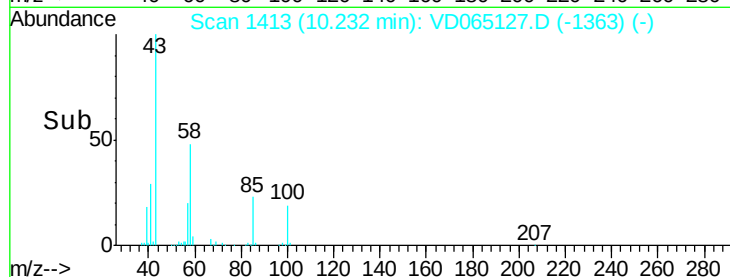
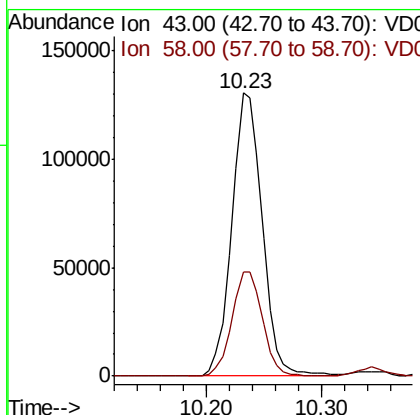
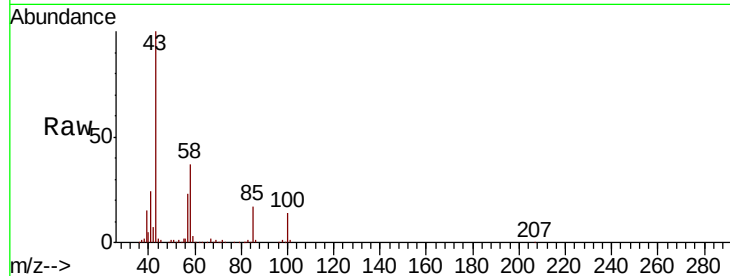
#51
 4-Methyl-2-Pentanone
 Concen: 94.705 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: VD065127.D
 Acq: 10 Feb 2020 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0210SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.9	30.2	45.2

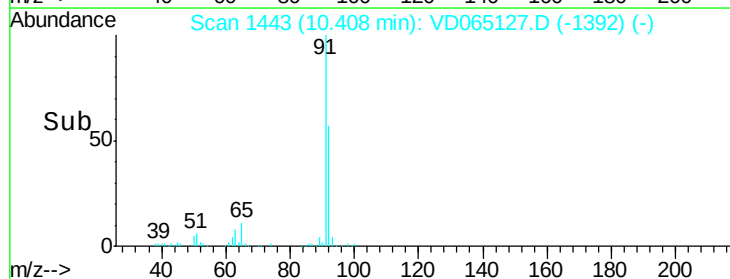
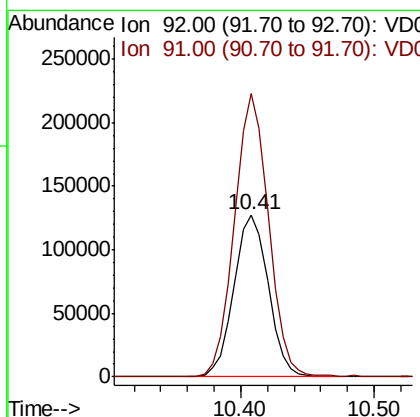
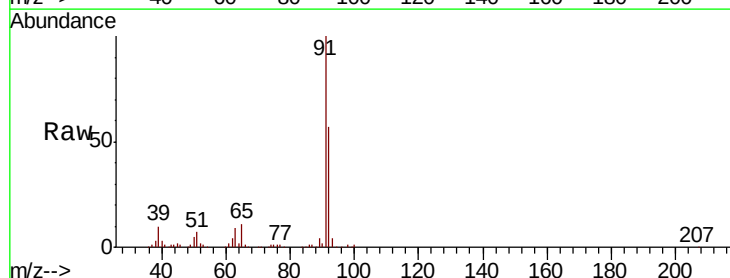
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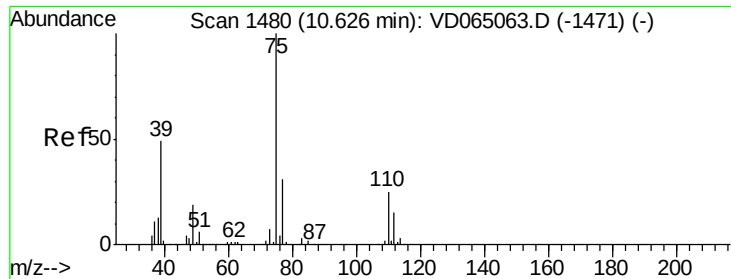
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#52
 Toluene
 Concen: 19.833 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD065127.D
 Acq: 10 Feb 2020 12:27

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.5	135.3	202.9





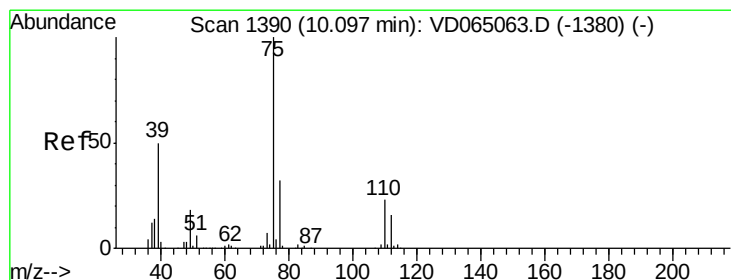
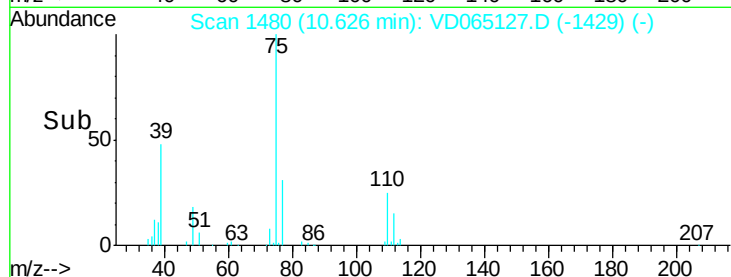
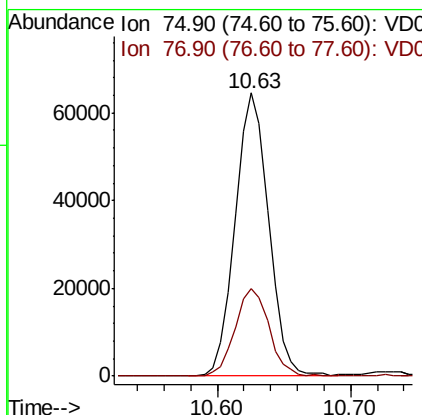
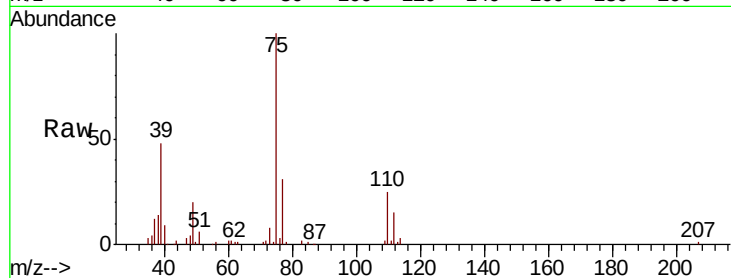
#53
t-1,3-Dichloropropene
Concen: 19.172 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0210SBS01

Tot Ion: 75 Resp: 111970
Ion Ratio Lower Upper
75 100
77 31.1 24.9 37.3

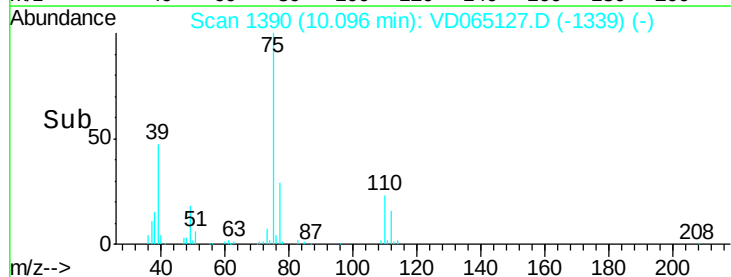
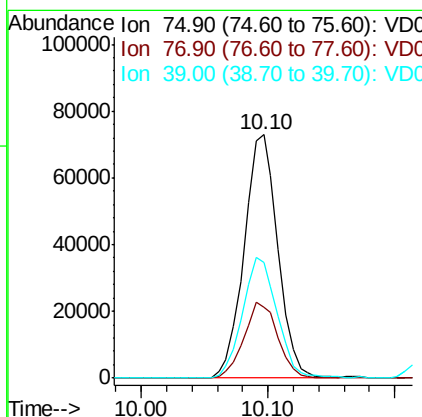
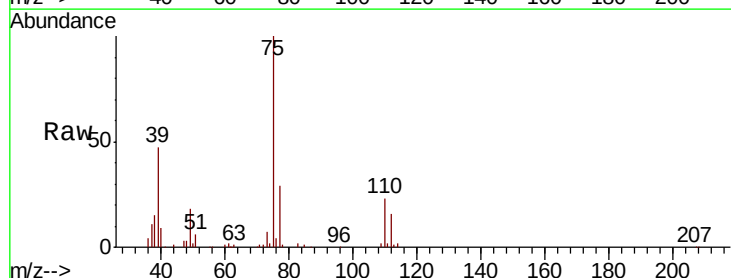
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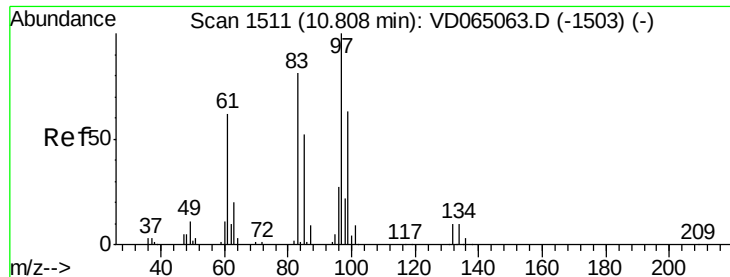
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#54
cis-1,3-Dichloropropene
Concen: 19.294 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

Tgt Ion: 75 Resp: 134767
Ion Ratio Lower Upper
75 100
77 29.1 25.3 37.9
39 47.4 40.3 60.5





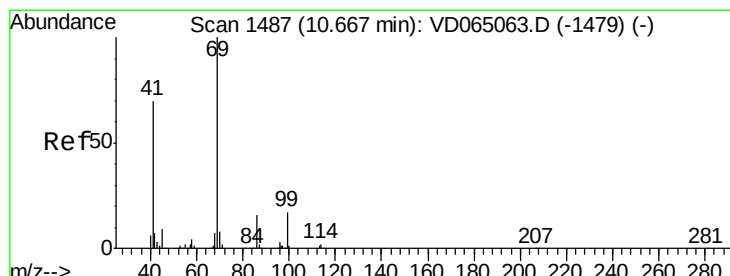
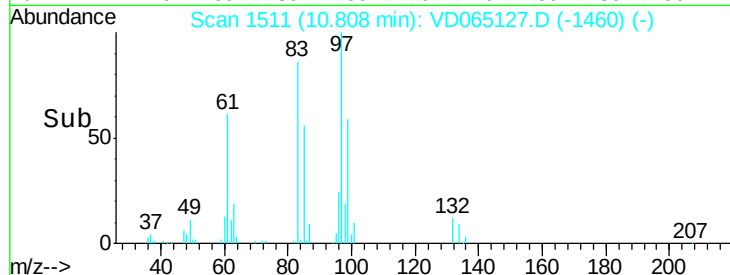
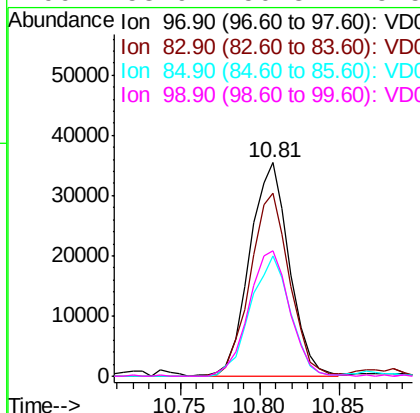
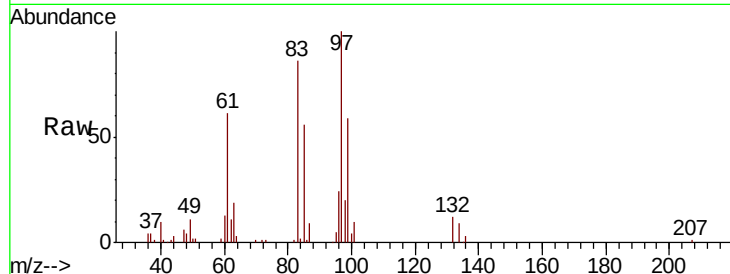
#55
 1,1,2-Trichloroethane
 Concen: 19.809 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065127.D
 Acq: 10 Feb 2020 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0210SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		61855		
83	86.0	64.8	97.2		
85	56.5	41.2	61.8		
99	58.9	50.3	75.5		

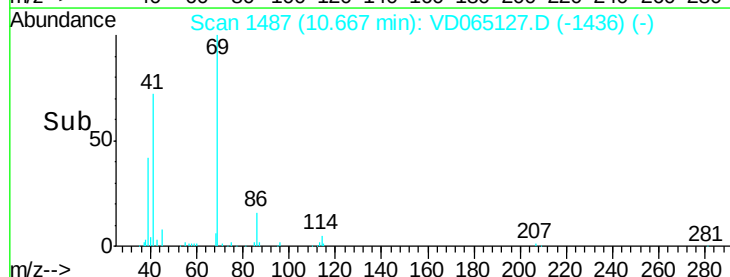
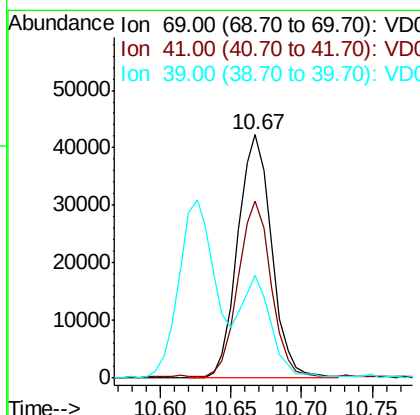
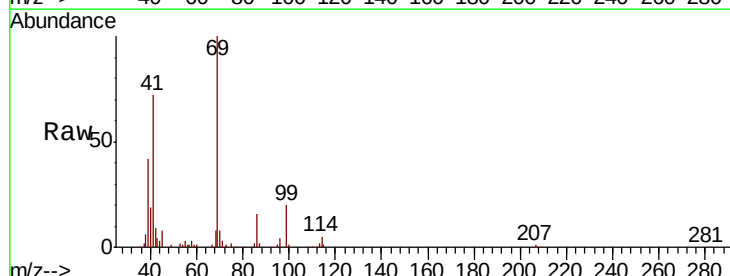
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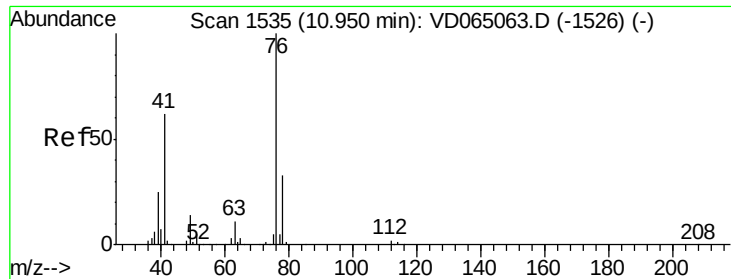
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#56
 Ethyl methacrylate
 Concen: 18.021 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065127.D
 Acq: 10 Feb 2020 12:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		71202		
41	70.1	55.9	83.9		
39	37.0	29.4	44.0		





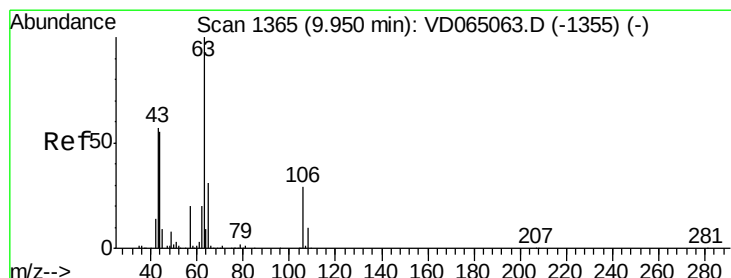
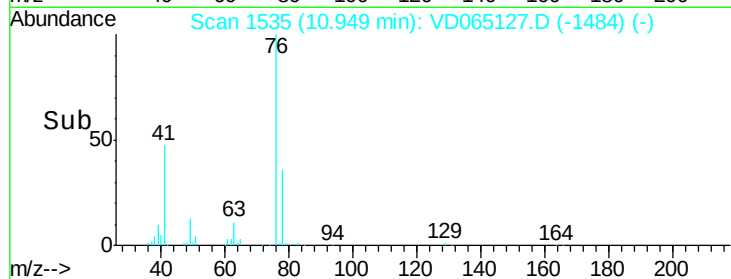
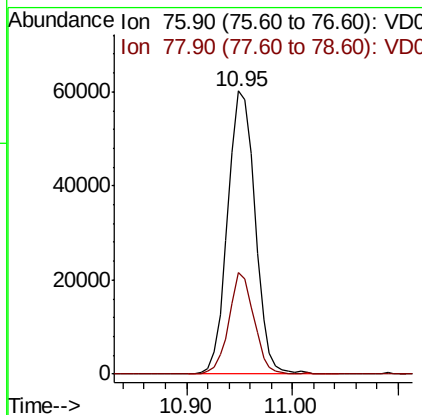
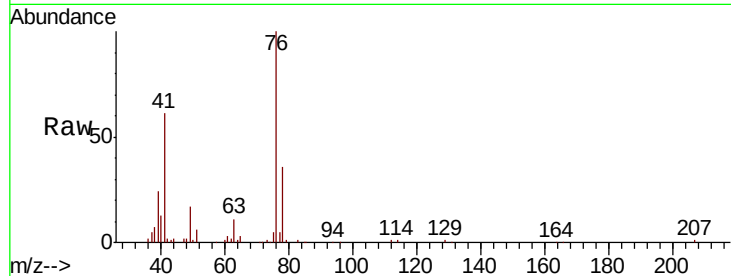
#57
 1,3-Dichloropropane
 Concen: 19.755 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065127.D
 Acq: 10 Feb 2020 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0210SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.6

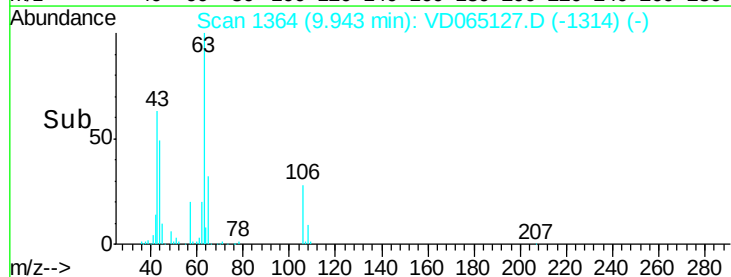
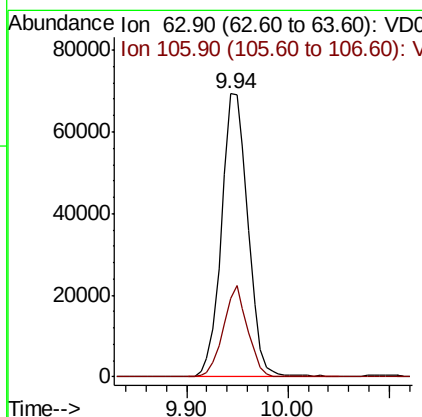
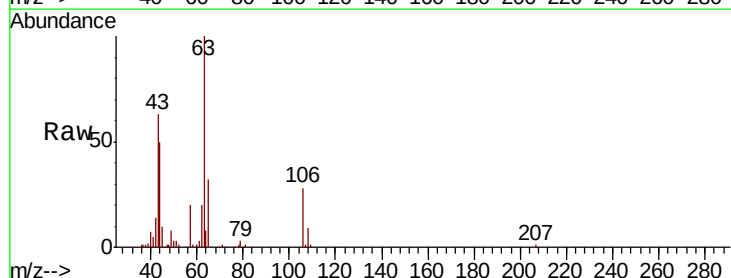
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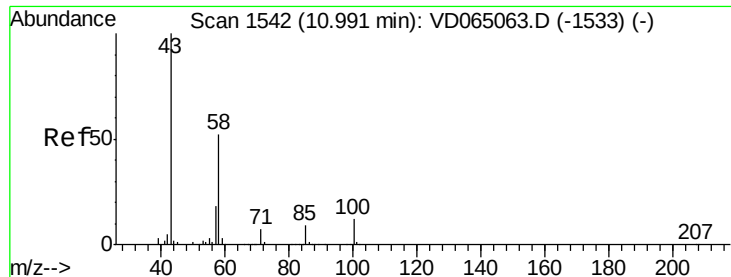
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#58
 2-Chloroethyl Vinyl ether
 Concen: 86.072 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065127.D
 Acq: 10 Feb 2020 12:27

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.1	23.3	34.9





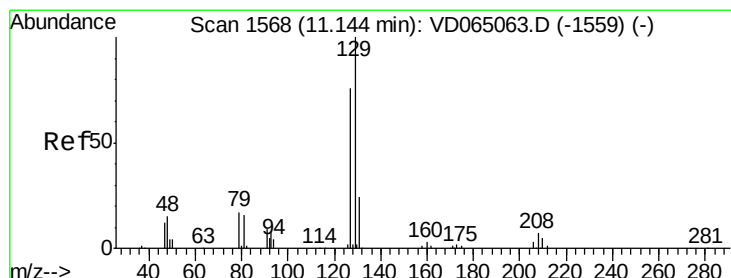
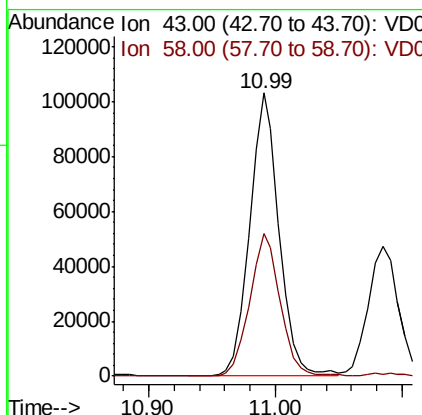
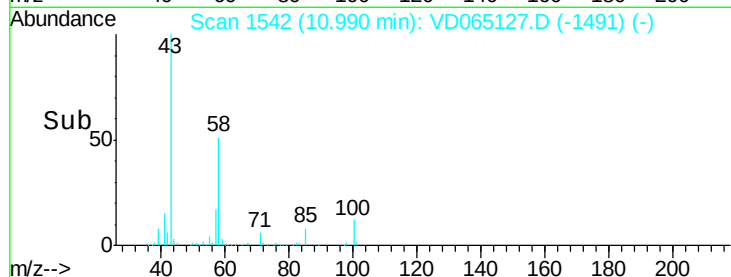
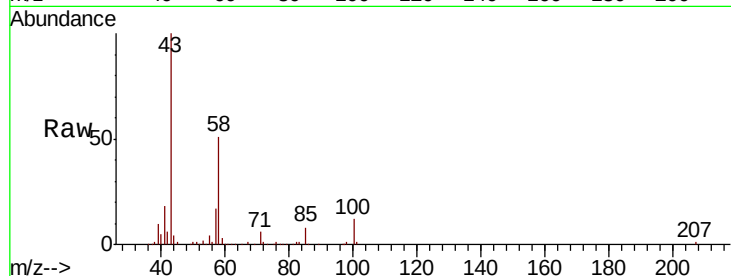
#59
2-Hexanone
Concen: 93.263 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0210SBS01

Tot Ion: 43 Resp: 166277
Ion Ratio Lower Upper
43 100
58 52.2 26.2 78.6

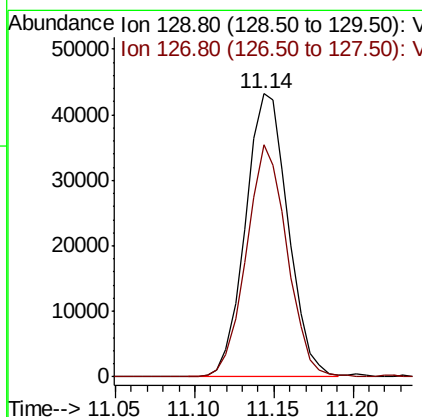
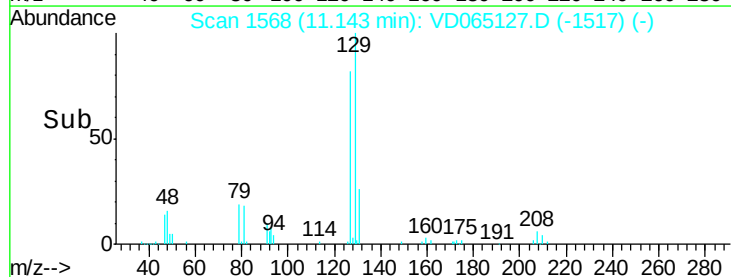
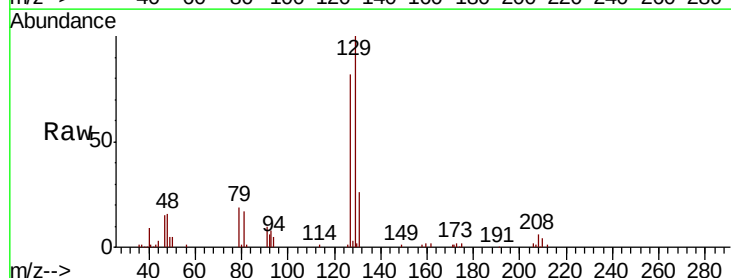
Manual Integrations
APPROVED

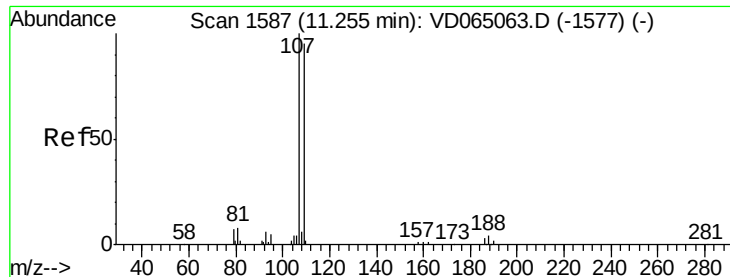
MMDadoda
2/11/2020 6:09:32 PM



#60
Dibromochloromethane
Concen: 19.959 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

Tgt Ion: 129 Resp: 80725
Ion Ratio Lower Upper
129 100
127 78.4 38.3 114.9





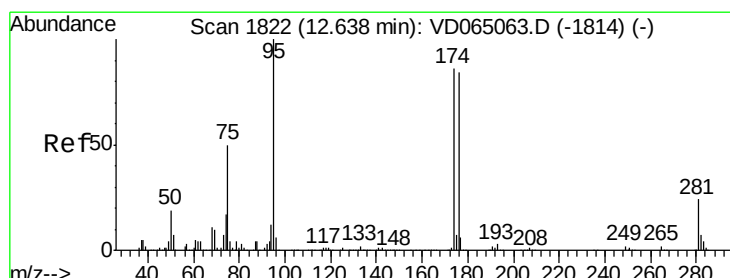
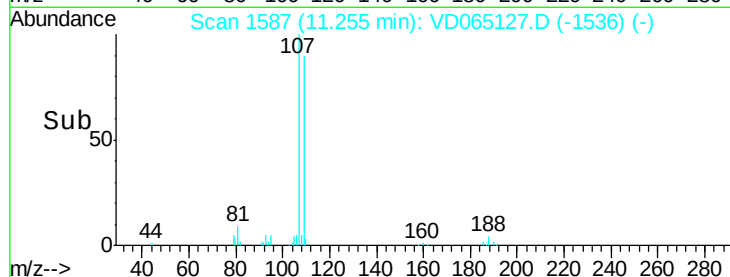
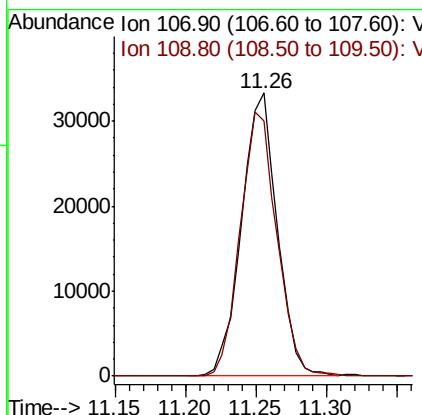
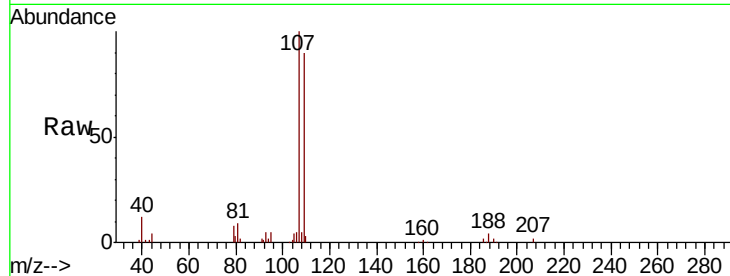
#61
 1,2-Dibromoethane
 Concen: 19.299 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. -0.00 min
 Lab File: VD065127.D
 Acq: 10 Feb 2020 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0210SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.9	75.5	113.3

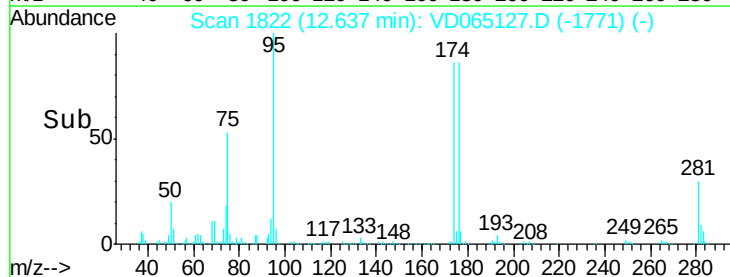
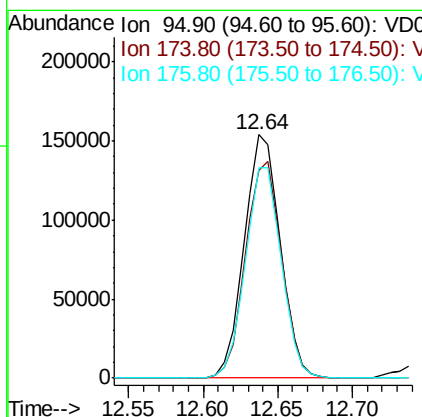
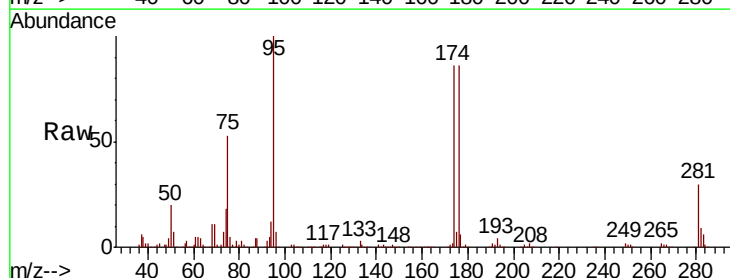
Manual Integrations
 APPROVED

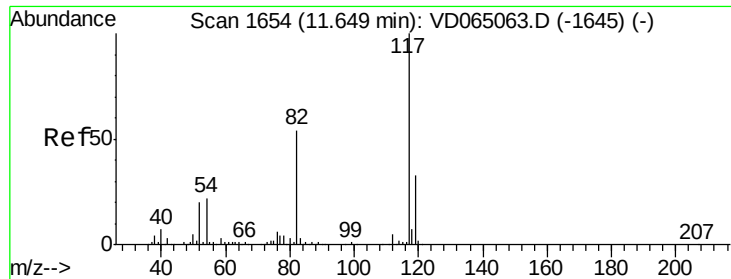
MMDadoda
 2/11/2020 6:09:32 PM



#62
 4-Bromofluorobenzene
 Concen: 51.866 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065127.D
 Acq: 10 Feb 2020 12:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.4	0.0	180.0
176	86.6	0.0	173.2





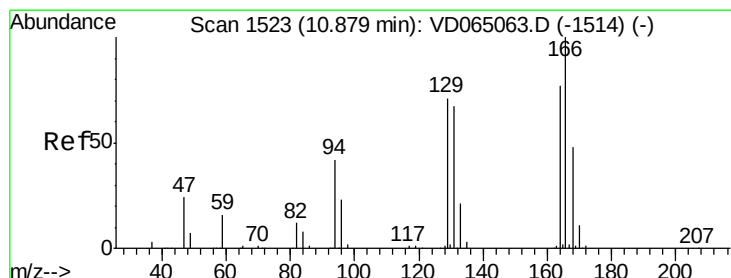
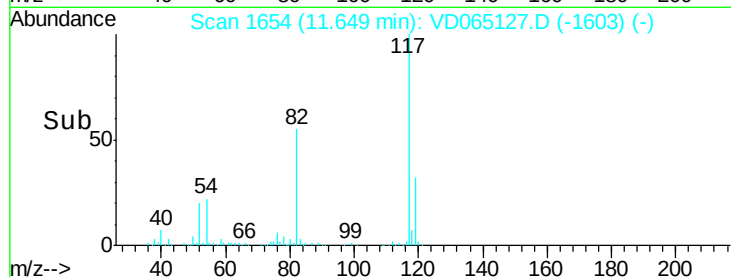
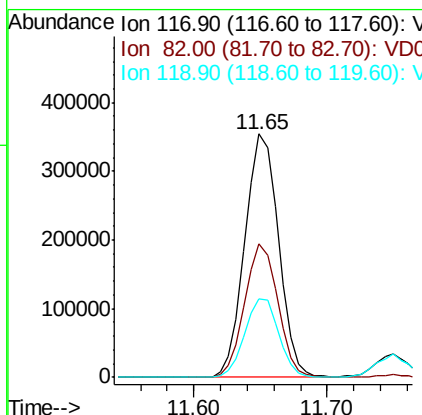
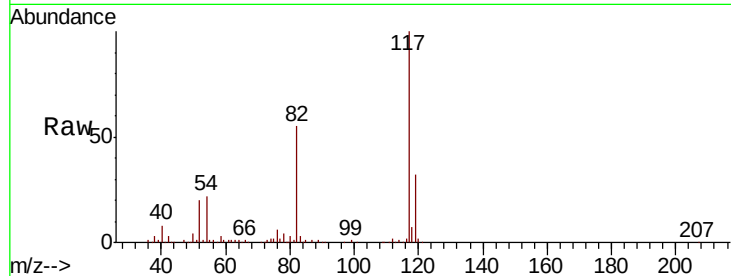
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0210SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.8	43.1	64.7
119	32.0	26.0	39.0

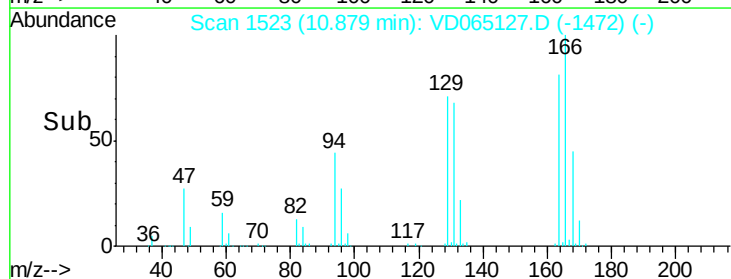
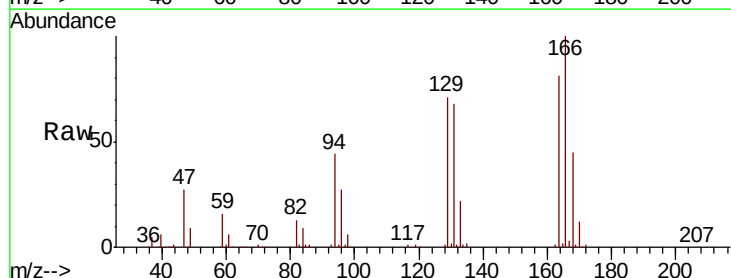
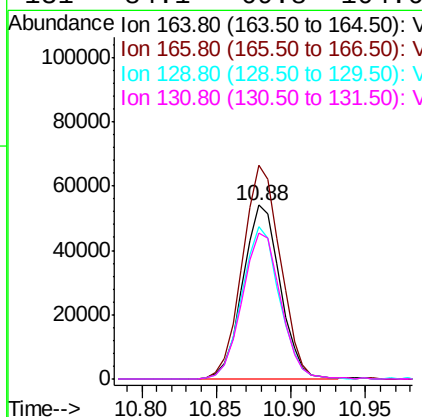
Manual Integrations
APPROVED

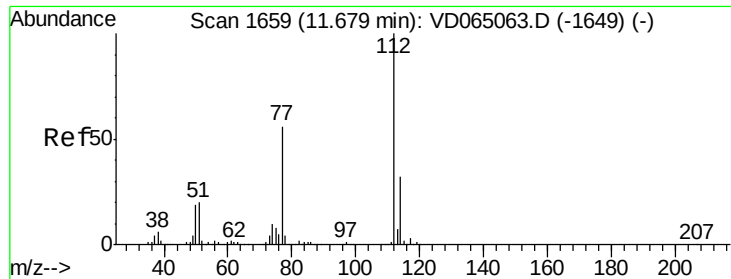
MMDadoda
2/11/2020 6:09:32 PM



#64
Tetrachloroethene
Concen: 21.041 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.1	103.5	155.3
129	87.7	73.3	109.9
131	84.1	69.8	104.6





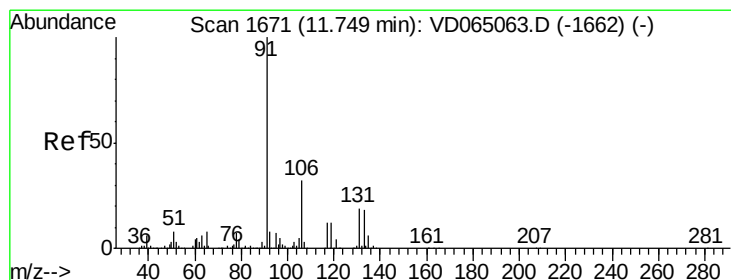
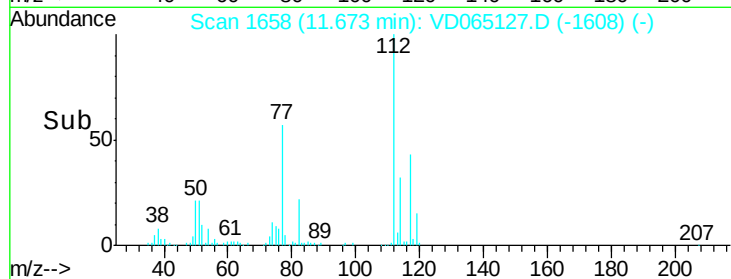
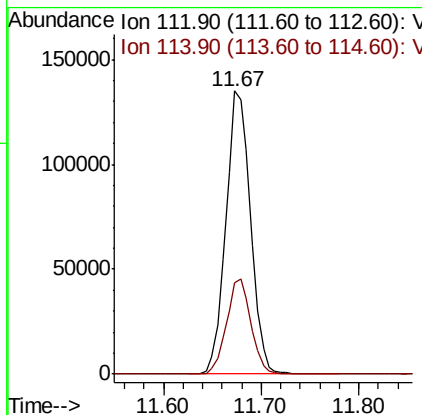
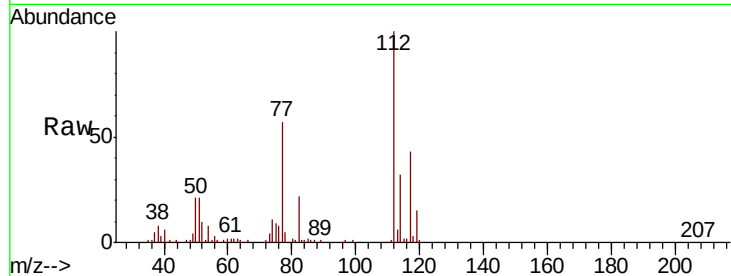
#65
Chlorobenzene
Concen: 19.707 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0210SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	236419		
114	32.2	25.4	38.0	

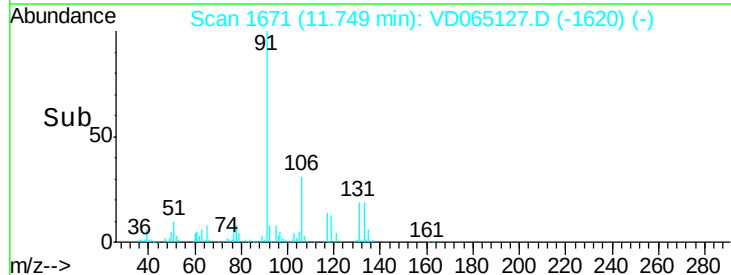
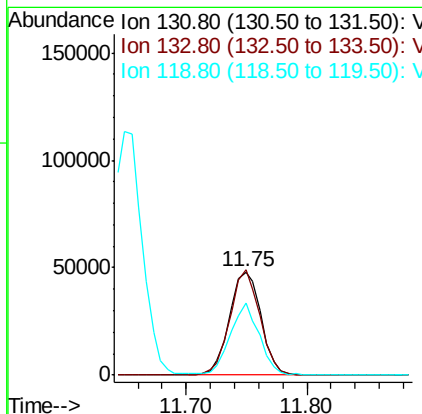
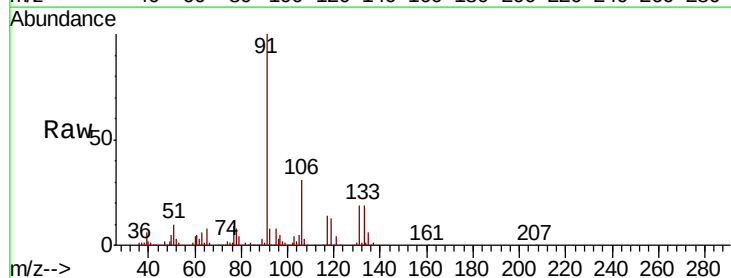
Manual Integrations
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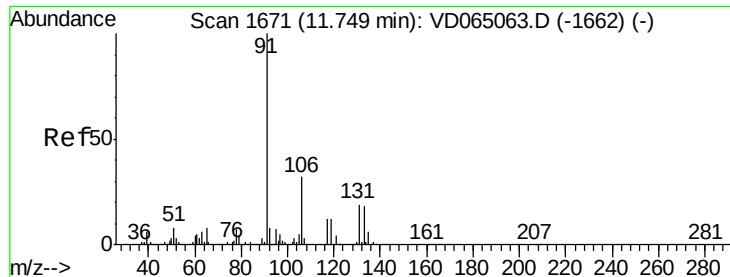
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.813 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	87727		
133	96.3	47.7	143.1	
119	63.9	31.3	93.8	





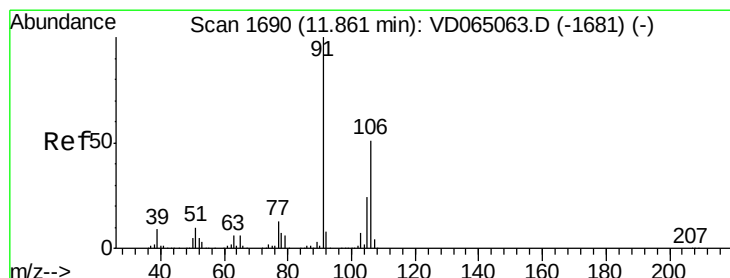
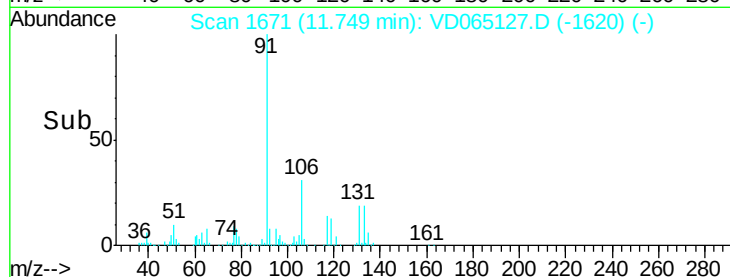
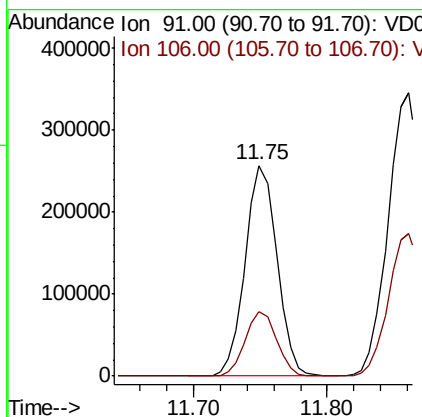
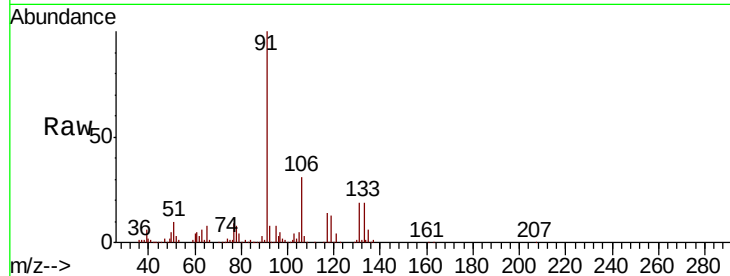
#67
Ethyl Benzene
Concen: 19.443 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0210SBSD01

Tot Ion: 91 Resp: 423792
Ion Ratio Lower Upper
91 100
106 30.9 25.4 38.2

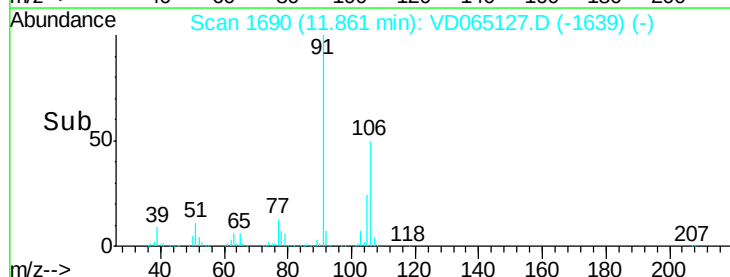
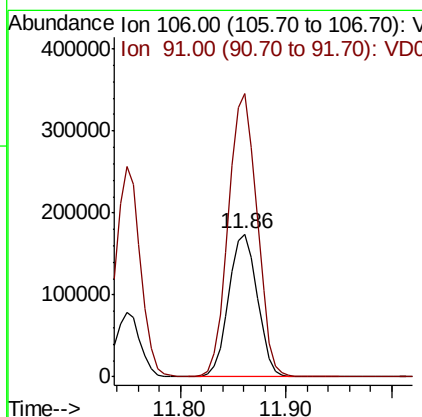
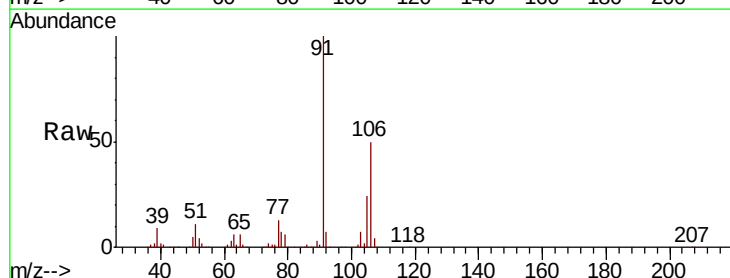
Manual Integrations
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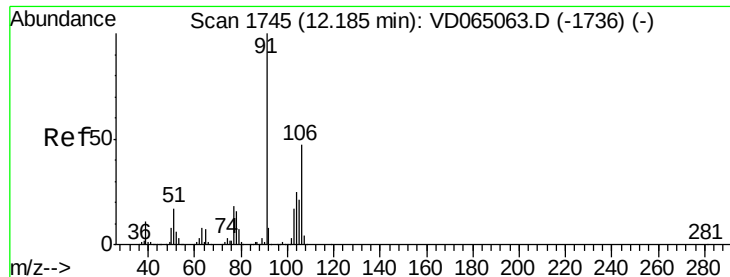
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#68
m/p-Xylenes
Concen: 39.387 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

Tgt Ion: 106 Resp: 327657
Ion Ratio Lower Upper
106 100
91 198.9 158.9 238.3





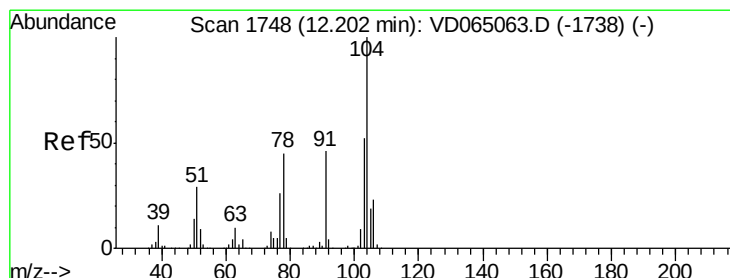
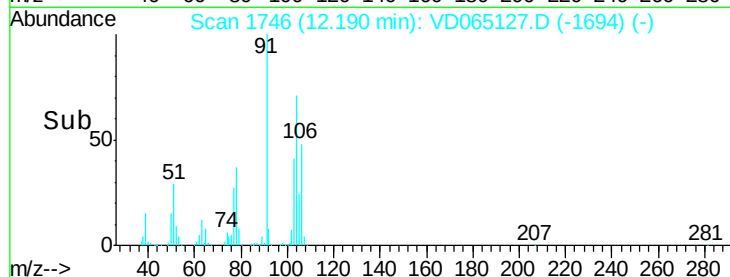
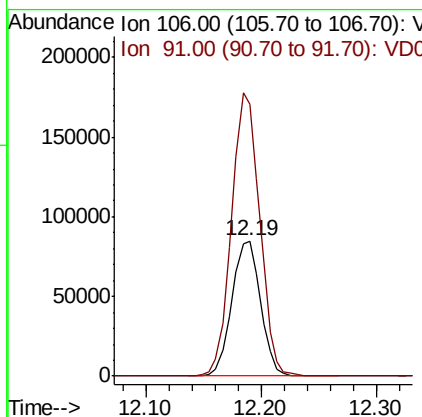
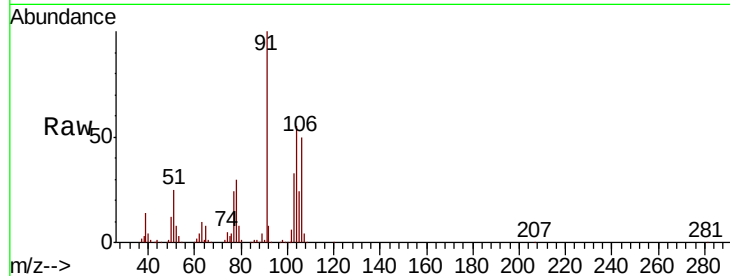
#69
o-Xylene
Concen: 19.485 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0210SBSD01

Tot Ion:106 Resp: 145967
Ion Ratio Lower Upper
106 100
91 206.3 104.7 313.9

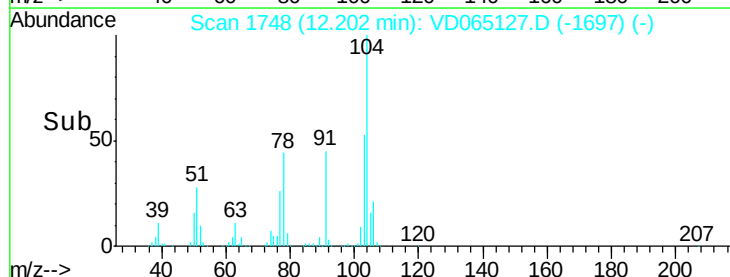
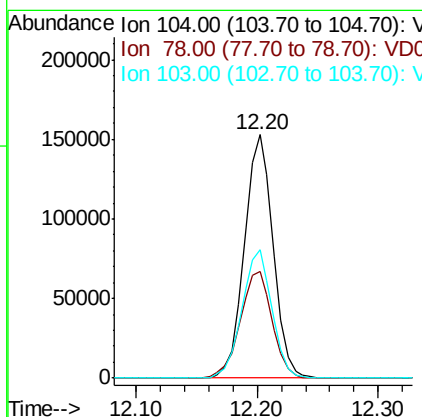
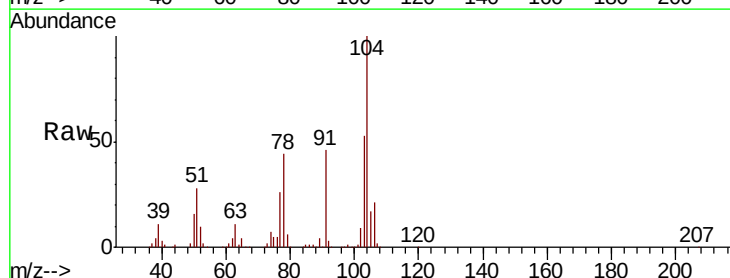
Manual Integrations
APPROVED

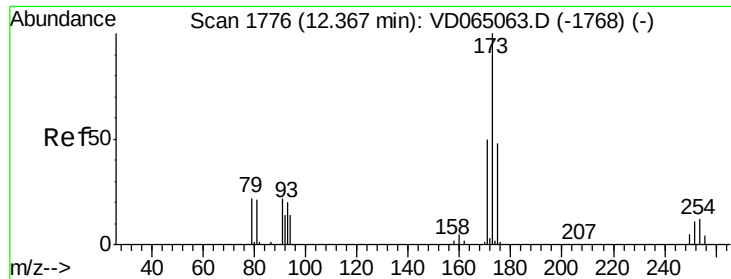
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#70
Styrene
Concen: 19.466 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

Tgt Ion:104 Resp: 253456
Ion Ratio Lower Upper
104 100
78 48.6 38.5 57.7
103 55.0 43.8 65.8





#71

Bromoform

Concen: 19.654 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0210SBS01

Tot Ion:173 Resp: 46842

Ion Ratio Lower Upper

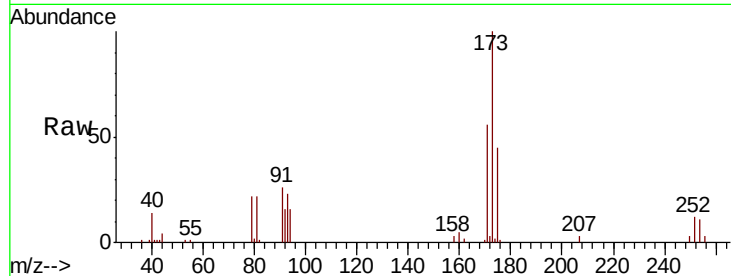
173 100

175 47.6 24.3 72.8

254 0.0 0.1 0.1#

Manual Integrations
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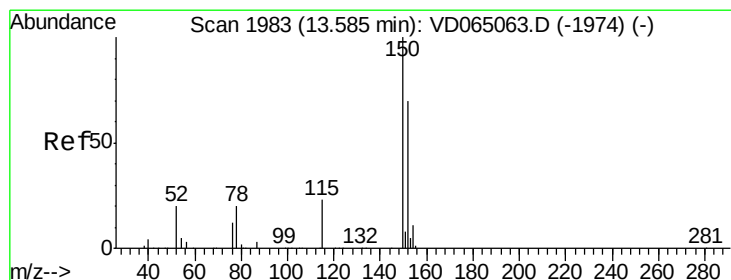
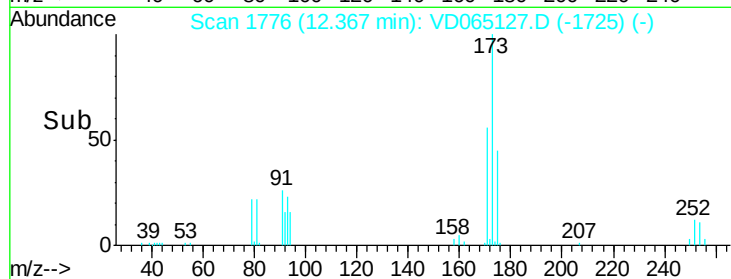
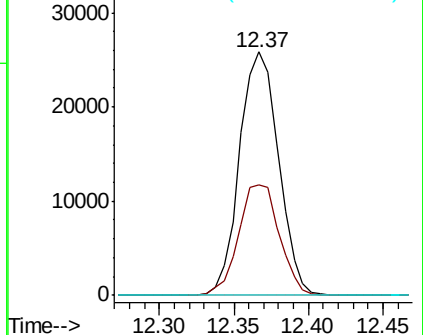
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Abundance Ion 172.70 (172.40 to 173.40): V

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# 1983

Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

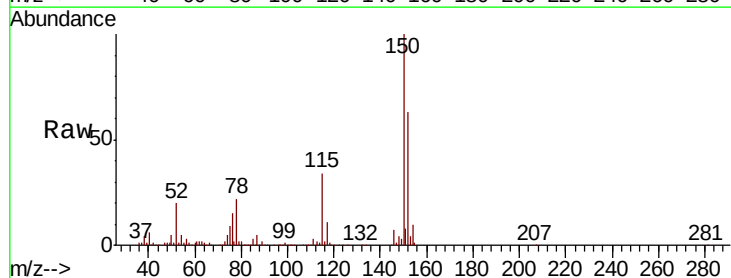
Tgt Ion:152 Resp: 305457

Ion Ratio Lower Upper

152 100

115 55.4 27.5 82.4

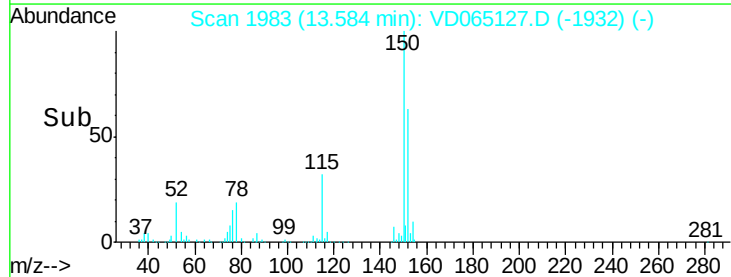
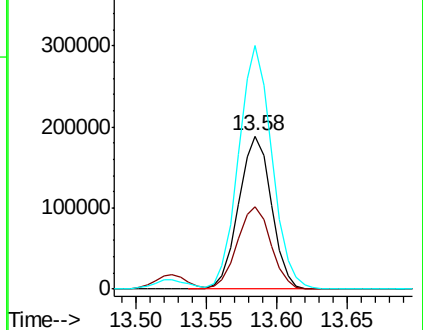
150 162.6 0.0 343.2

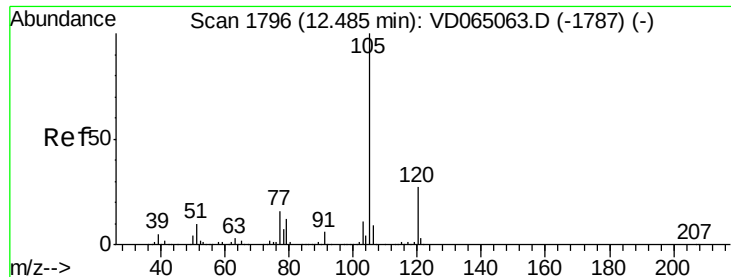


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.844 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0210SBS01

Tot Ion:105 Resp: 395073

Ion Ratio Lower Upper

105 100

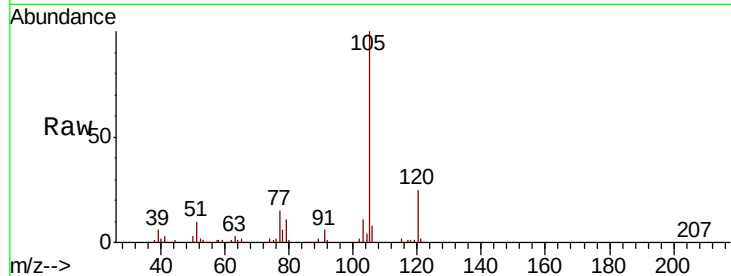
120 26.0 13.3 39.9

Manual Integrations

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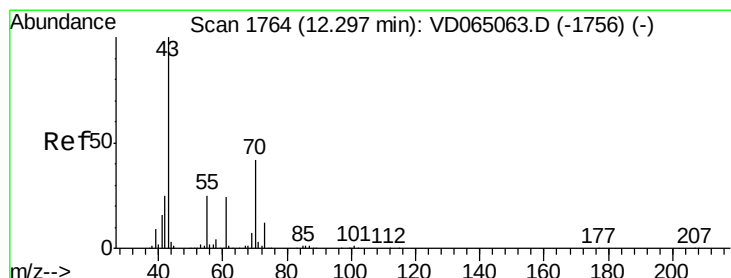
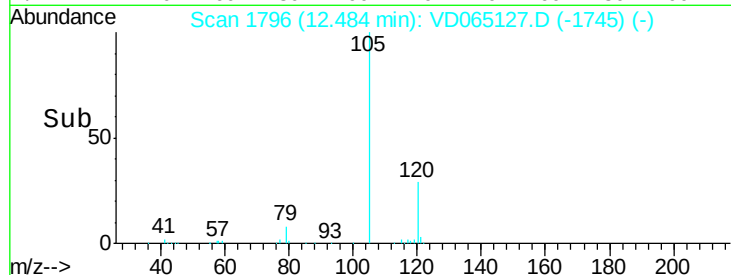
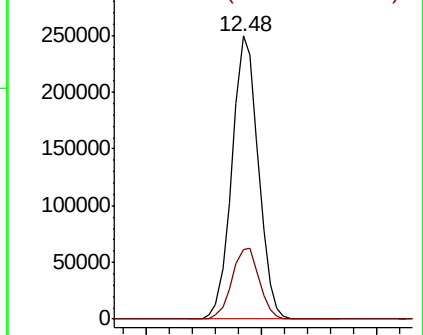
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.855 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Tgt Ion: 43 Resp: 81366

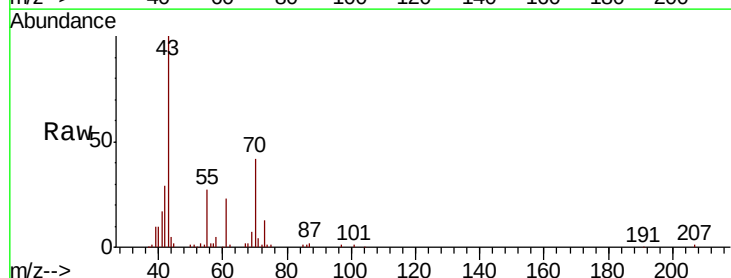
Ion Ratio Lower Upper

43 100

70 41.6 33.5 50.3

55 27.0 19.4 29.2

61 23.3 18.6 28.0

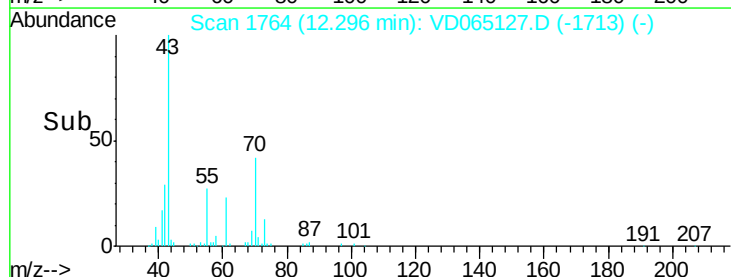
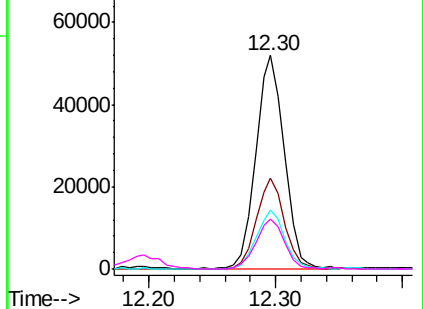


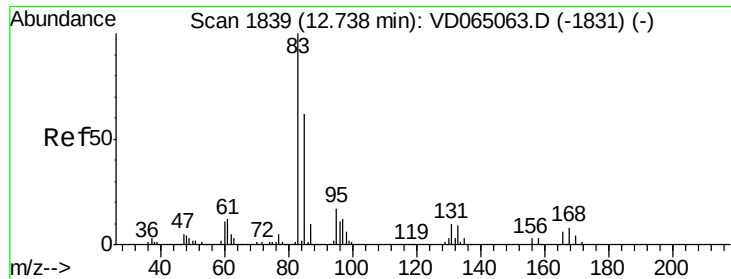
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 19.851 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Instrument :

MSVOA_D

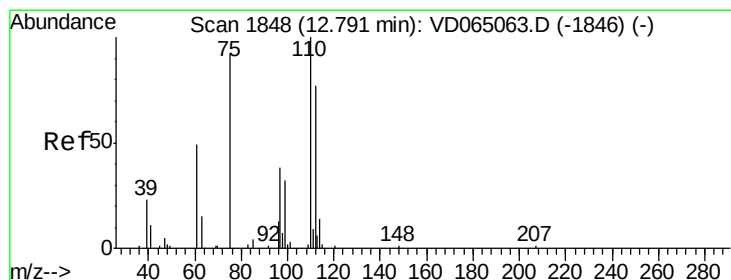
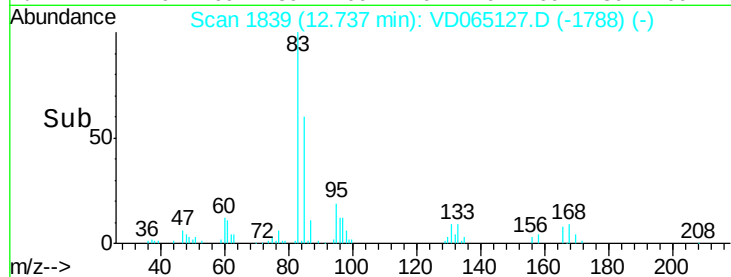
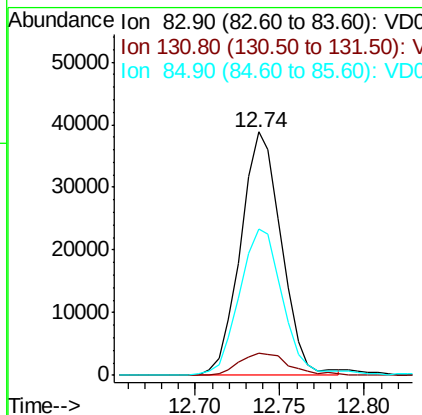
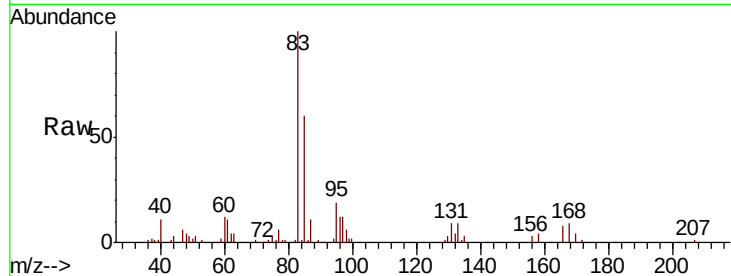
ClientSampleId :

VD0210SBSD01

Tot Ion:	83	Resp:	65502
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.5	16.4
85	64.0	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 15.669 ug/l m

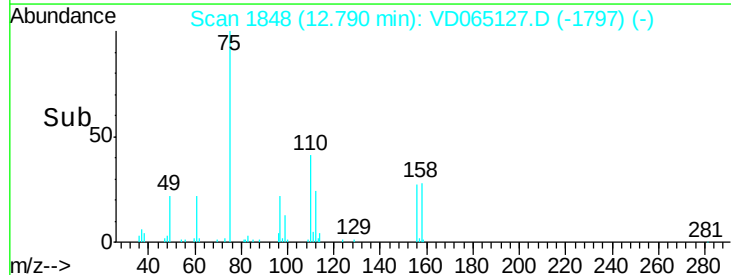
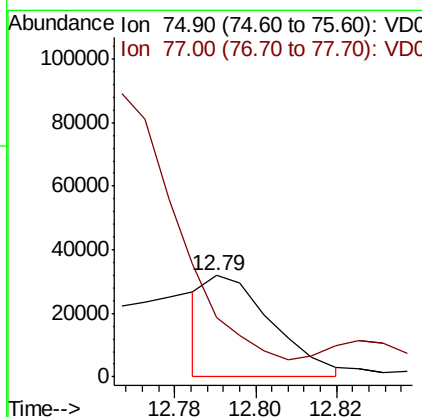
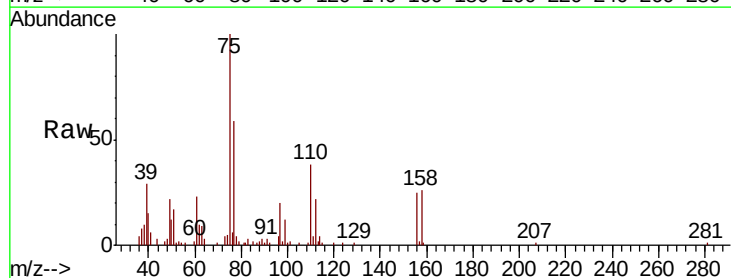
RT: 12.79 min Scan# 1848

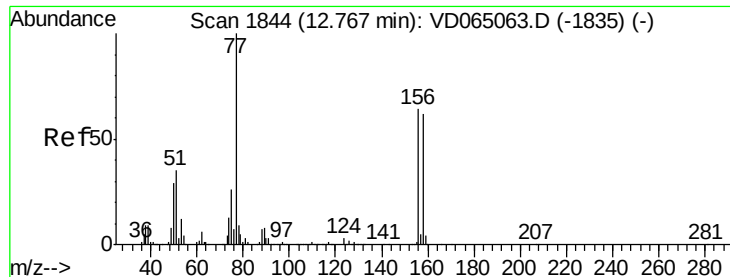
Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Tgt Ion:	75	Resp:	36237
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.958 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0210SBS01

Tot Ion:156 Resp: 95762

Ion Ratio Lower Upper

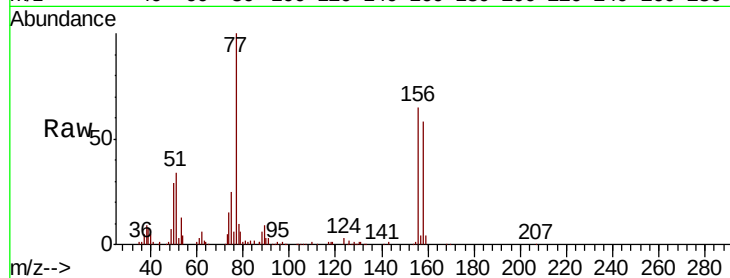
156 100

77 172.4 85.6 256.8

158 96.1 47.4 142.2

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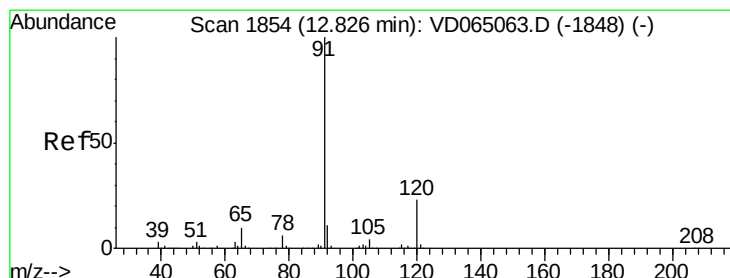
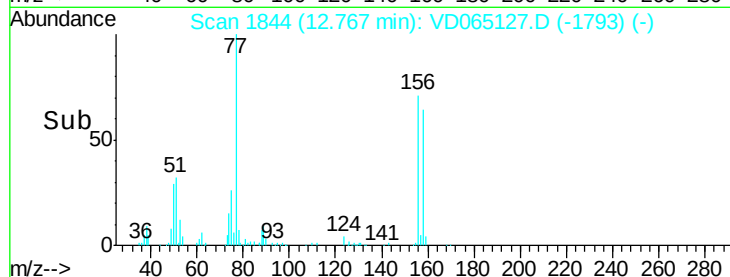
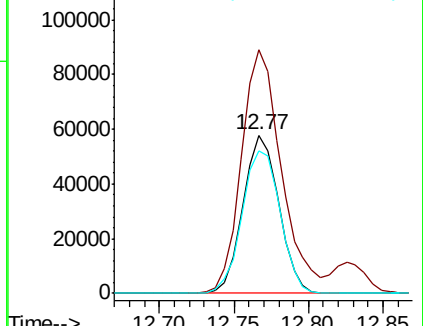
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.290 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065127.D

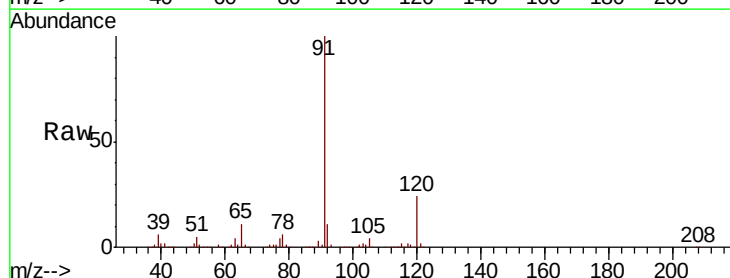
Acq: 10 Feb 2020 12:27

Tgt Ion: 91 Resp: 473628

Ion Ratio Lower Upper

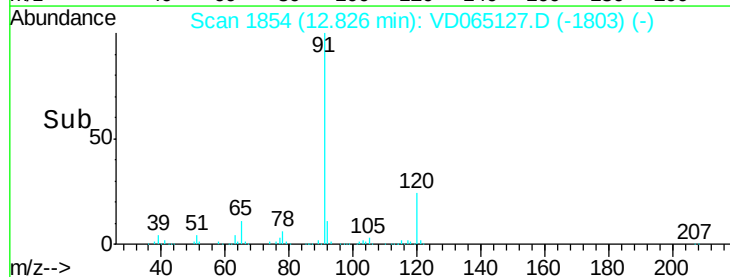
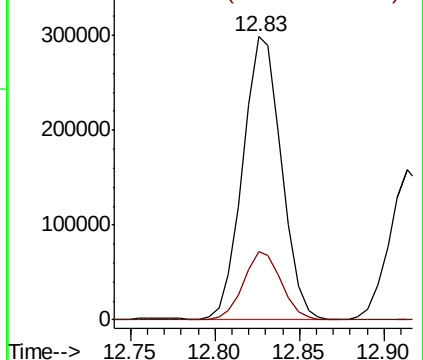
91 100

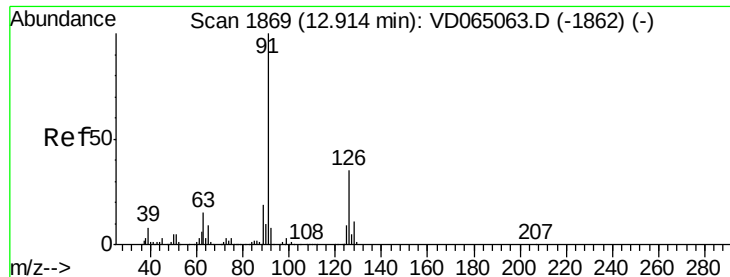
120 23.5 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.329 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Instrument :

MSVOA_D

ClientSampleId :

VD0210SBS01

Tot Ion: 91 Resp: 264538

Ion Ratio Lower Upper

91 100

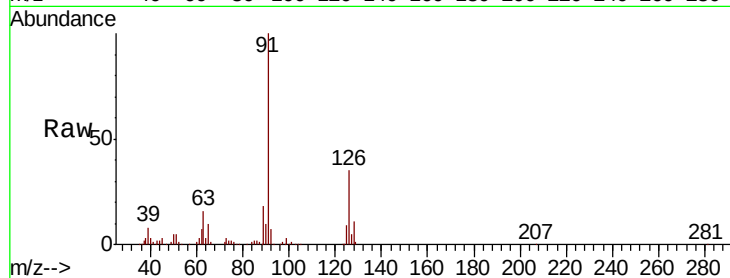
126 33.8 17.4 52.3

Manual Integrations

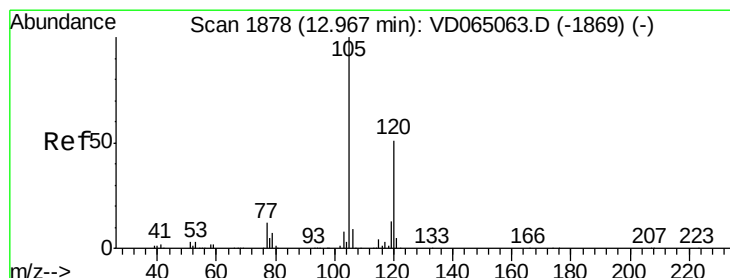
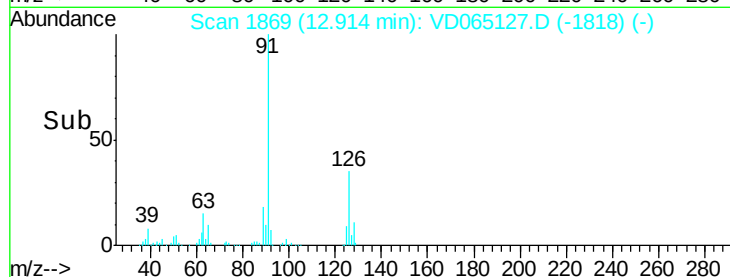
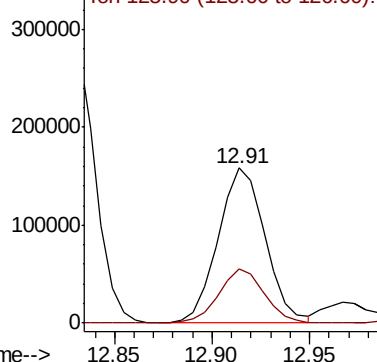
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Abundance Ion 91.00 (90.70 to 91.70): VD065127.D (-1818) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.041 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065127.D

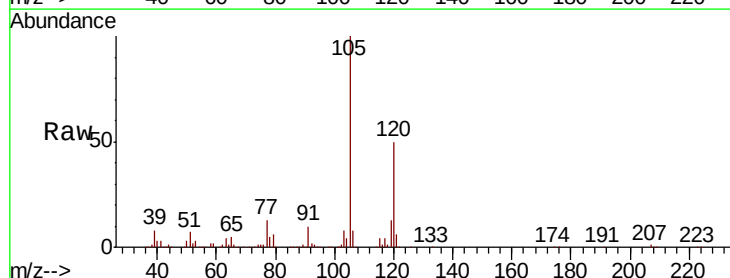
Acq: 10 Feb 2020 12:27

Tgt Ion: 105 Resp: 326592

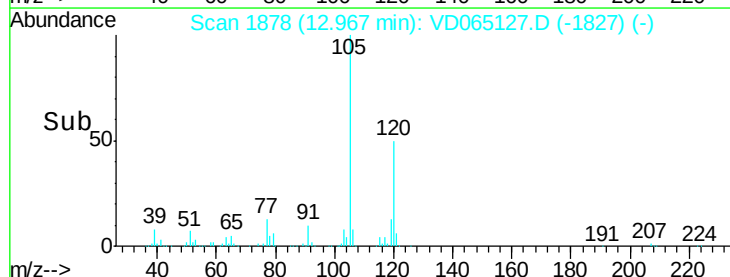
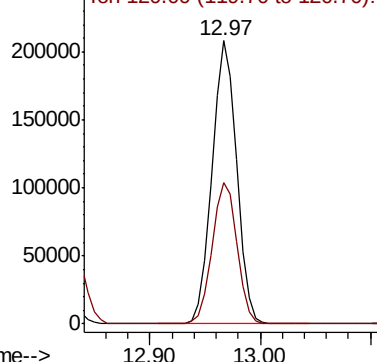
Ion Ratio Lower Upper

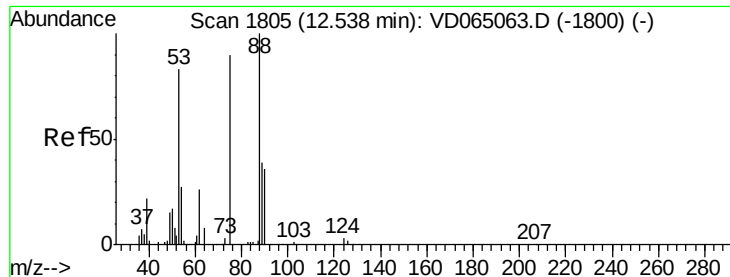
105 100

120 50.7 25.1 75.4



Abundance Ion 105.00 (104.70 to 105.70): VD065127.D (-1827) (-)





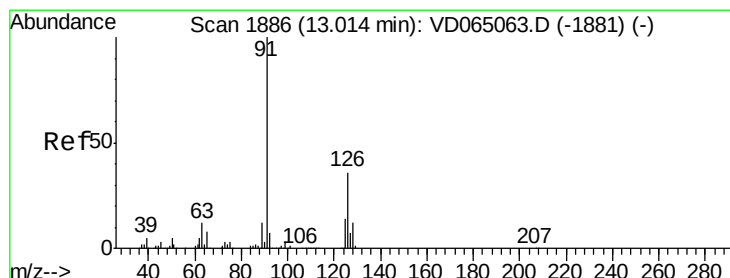
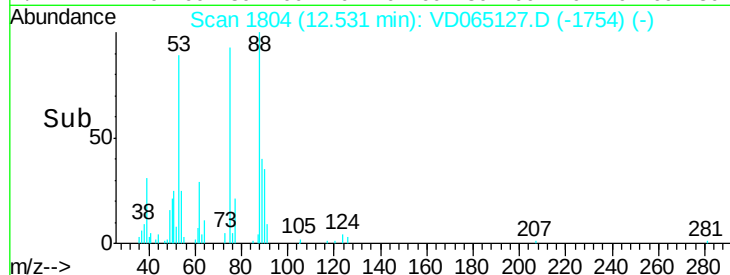
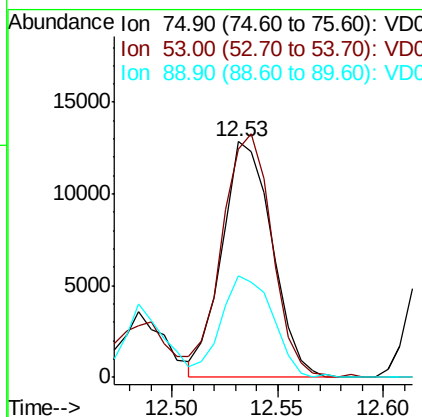
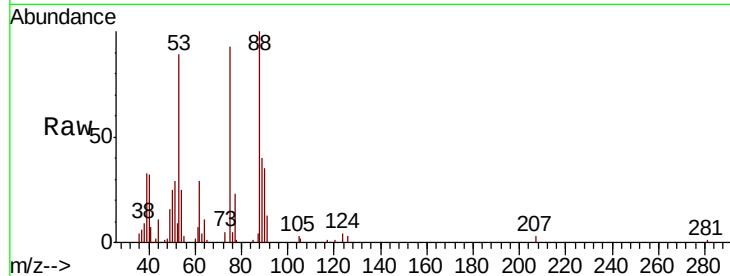
#81
trans-1,4-Dichloro-2-butene
Concen: 18.329 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.01 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0210SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.5	78.5	117.7
89	44.4	37.0	55.4

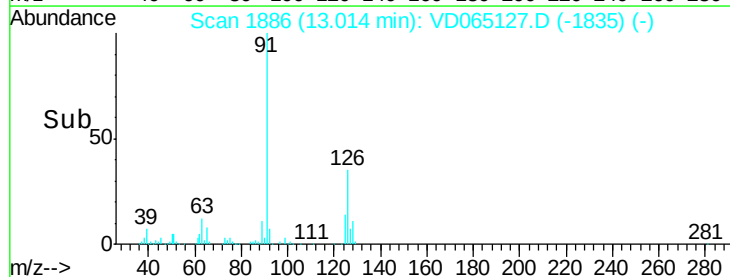
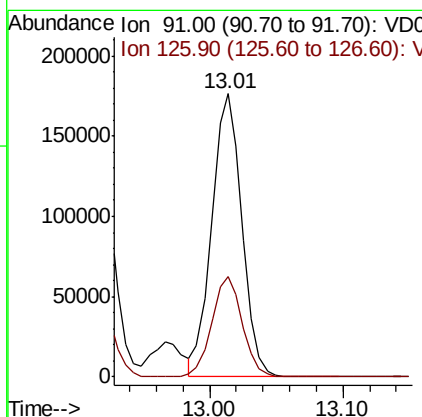
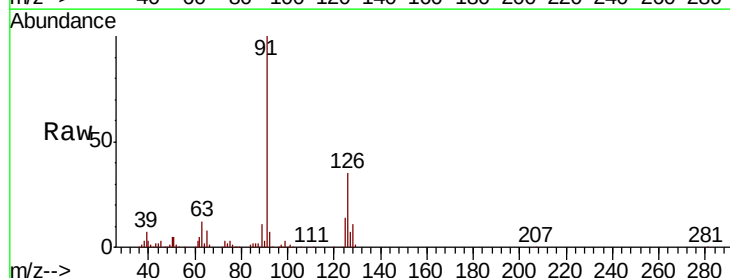
Manual Integrations
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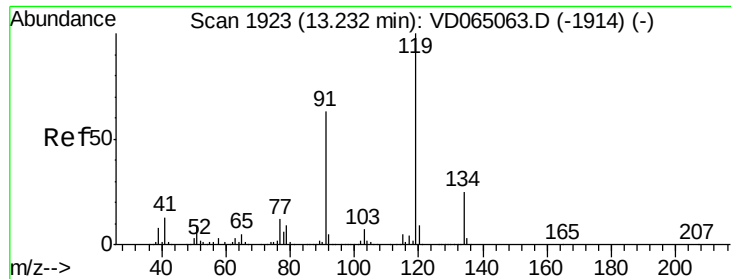
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#82
4-Chlorotoluene
Concen: 19.417 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.5	52.5





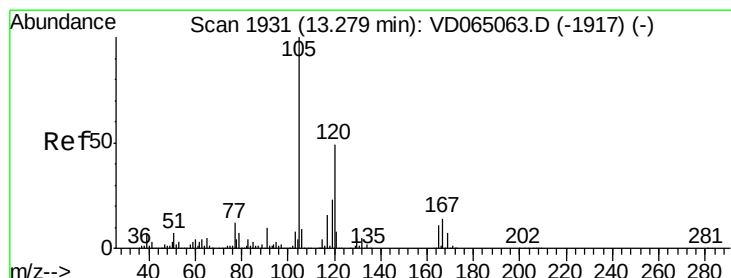
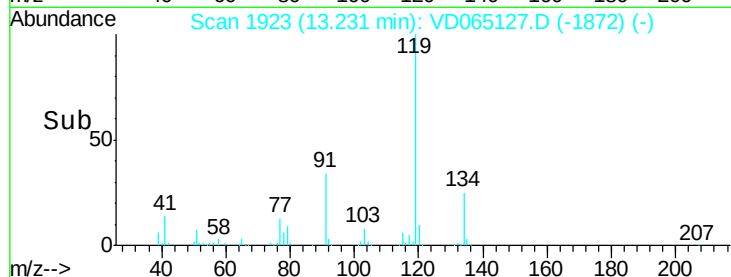
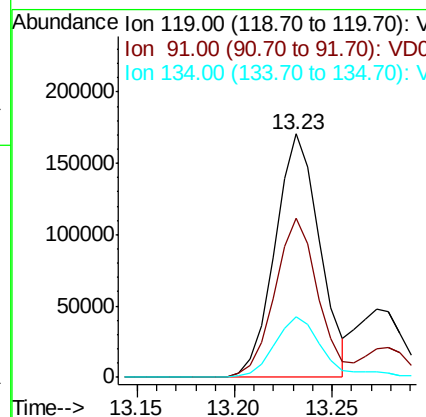
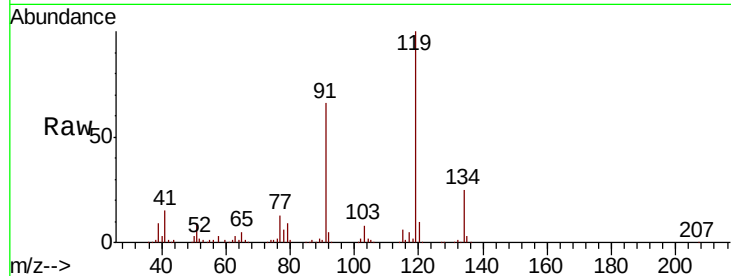
#83
 tert-Butylbenzene
 Concen: 18.259 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065127.D
 Acq: 10 Feb 2020 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0210SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	270188		
91	64.1		32.3	96.9
134	27.1		13.8	41.3

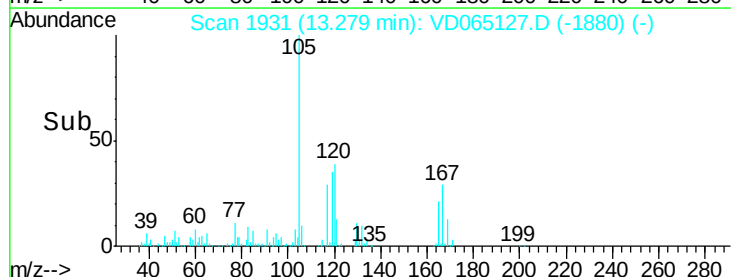
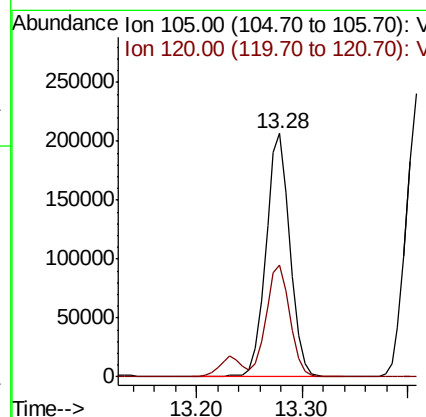
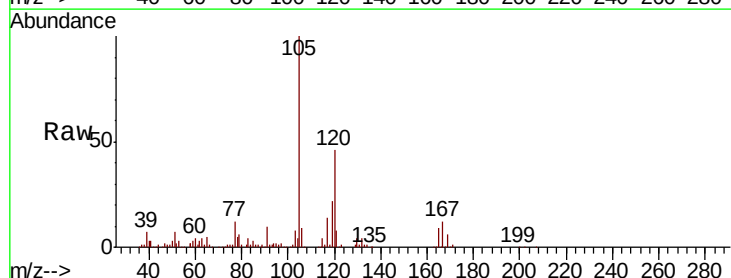
Manual Integrations
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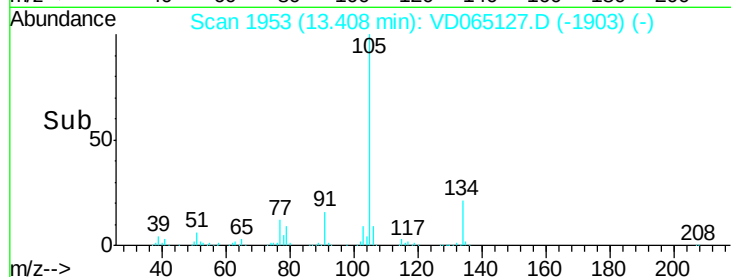
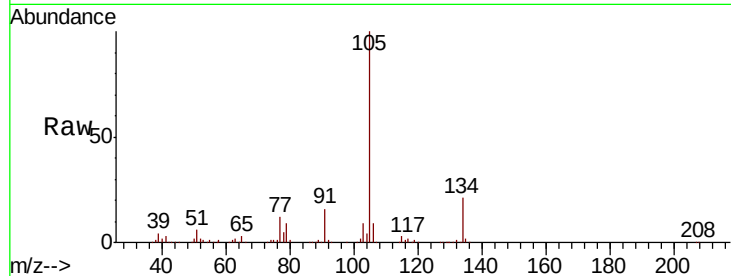
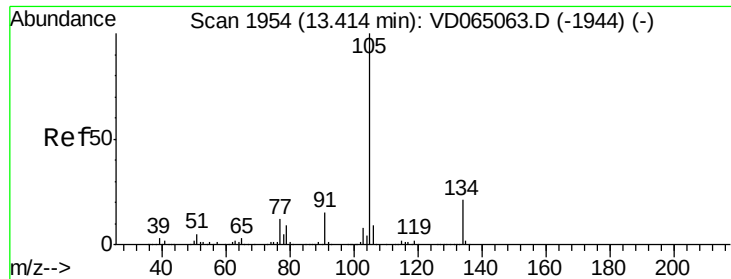
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.100 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065127.D
 Acq: 10 Feb 2020 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	325234		
120	45.7		23.5	70.5





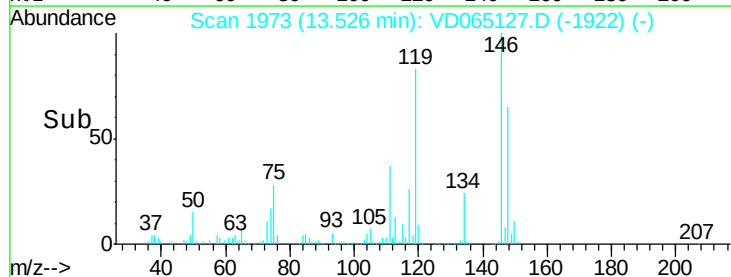
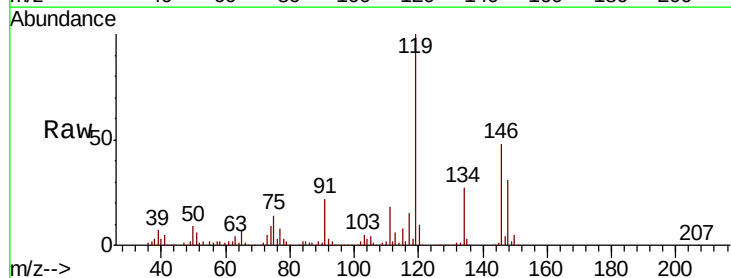
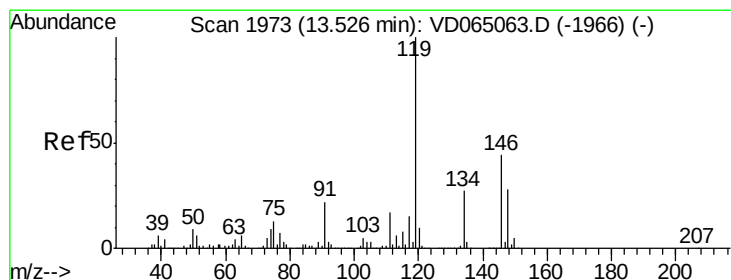
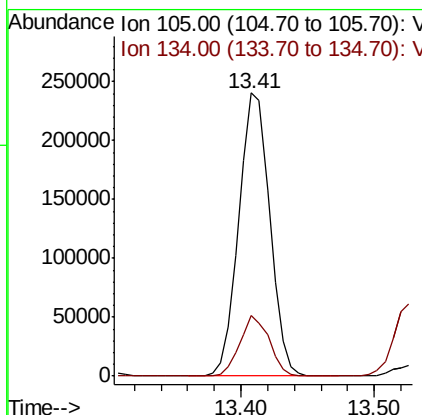
#85
 sec-Butylbenzene
 Concen: 19.169 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.01 min
 Lab File: VD065127.D
 Acq: 10 Feb 2020 12:27

Tot Ion:105 Resp: 387420
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.4 31.1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0210SBSD01

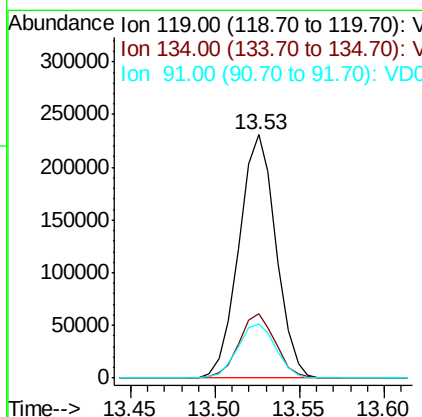
Manual Integrations
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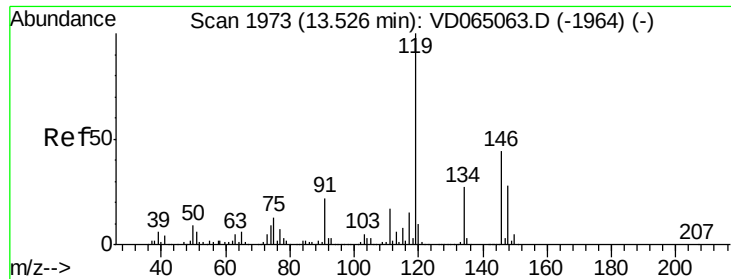
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#86
 p-Isopropyltoluene
 Concen: 18.802 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065127.D
 Acq: 10 Feb 2020 12:27

Tgt Ion:119 Resp: 353061
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.5 40.5
 91 22.9 11.3 33.9





#87

1,3-Dichlorobenzene

Concen: 19.631 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Instrument :

MSVOA_D

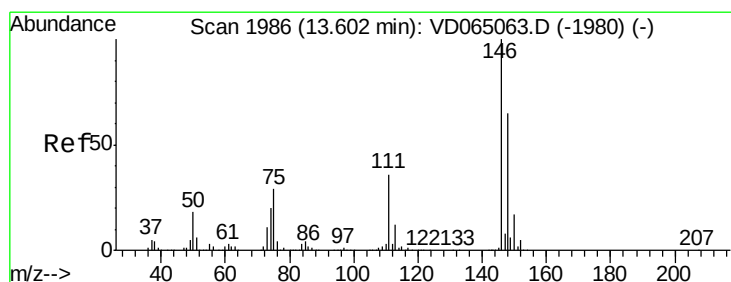
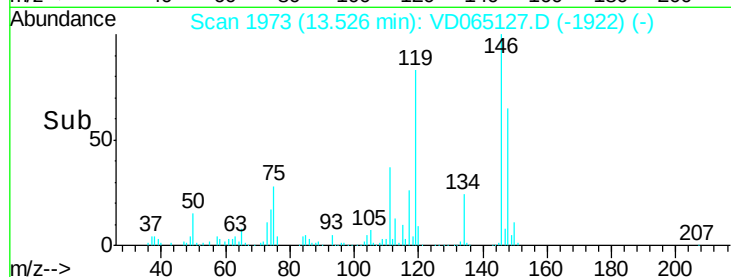
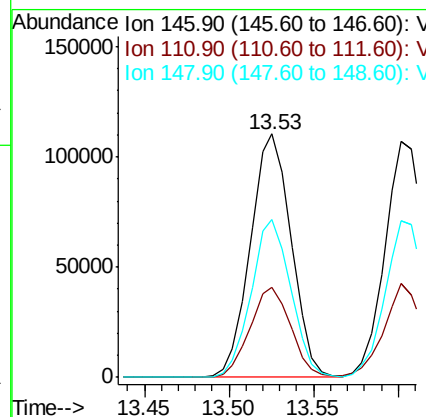
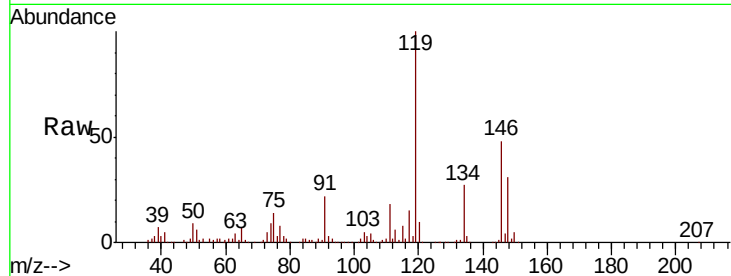
ClientSampleId :

VD0210SBS01

Tot Ion:	146	Resp:	185661
Ion Ratio	Lower	Upper	
146	100		
111	36.9	19.4	58.4
148	63.2	32.3	96.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 18.987 ug/l

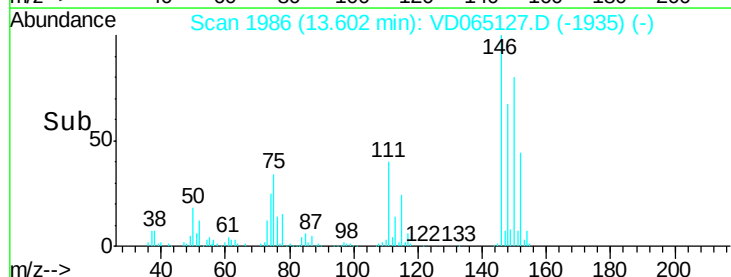
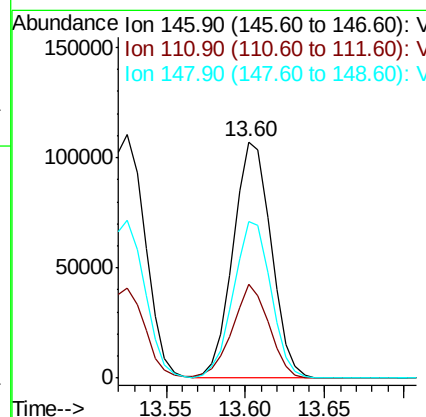
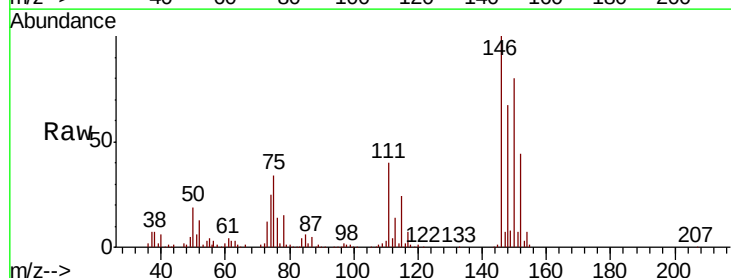
RT: 13.60 min Scan# 1986

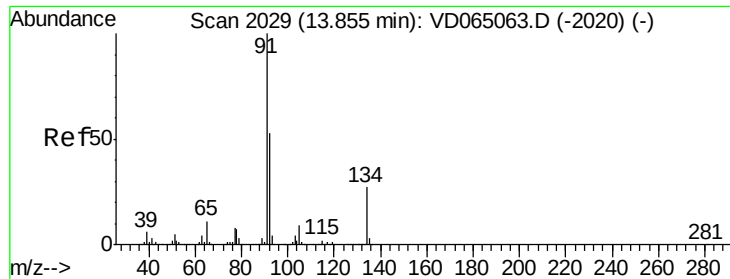
Delta R.T. -0.00 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Tgt Ion:	146	Resp:	178727
Ion Ratio	Lower	Upper	
146	100		
111	38.4	18.5	55.5
148	65.5	32.7	98.1





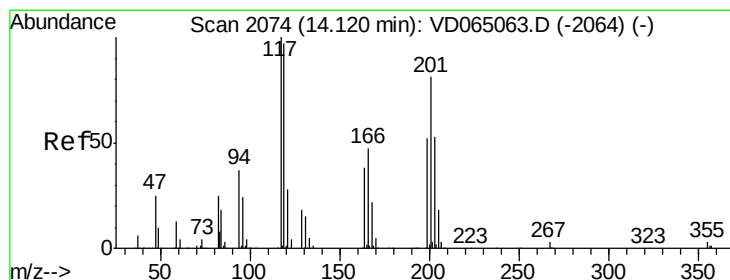
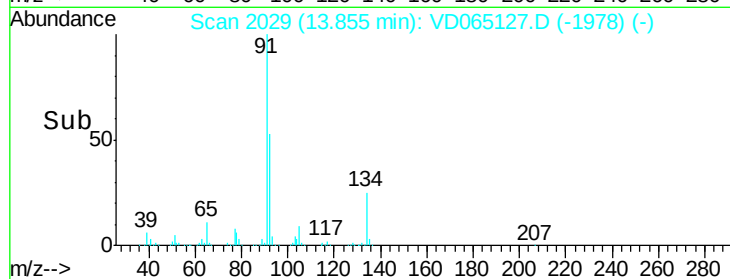
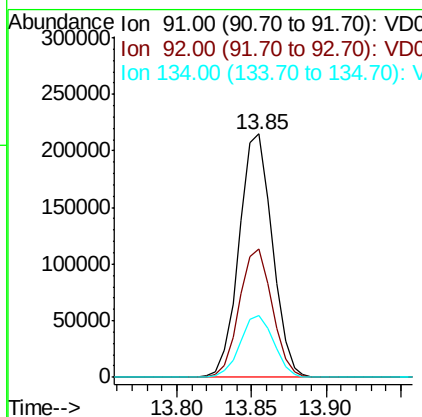
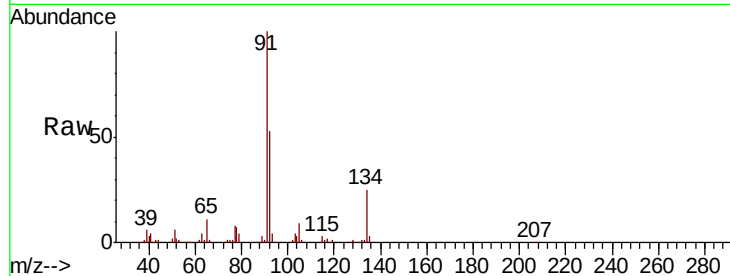
#89
n-Butylbenzene
Concen: 19.158 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0210SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.7	80.1
134	25.7	13.4	40.2

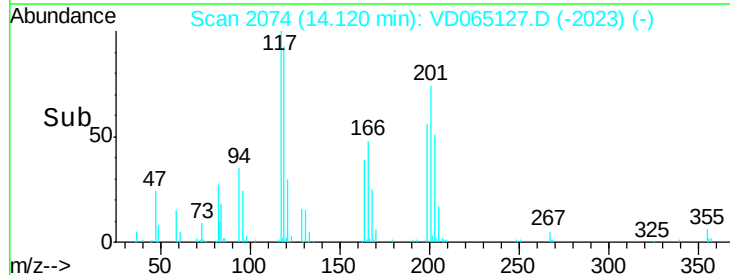
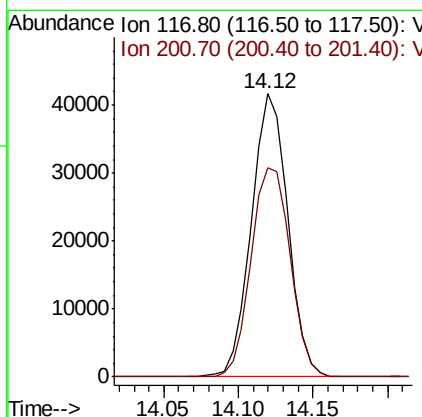
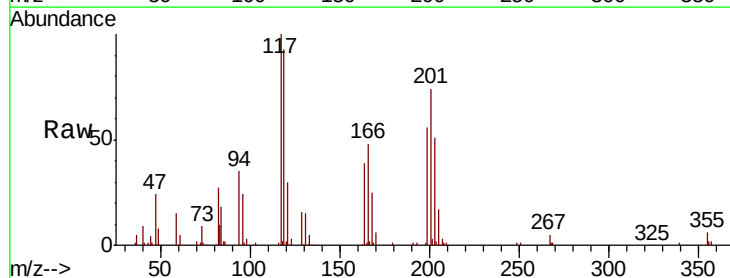
Manual Integrations
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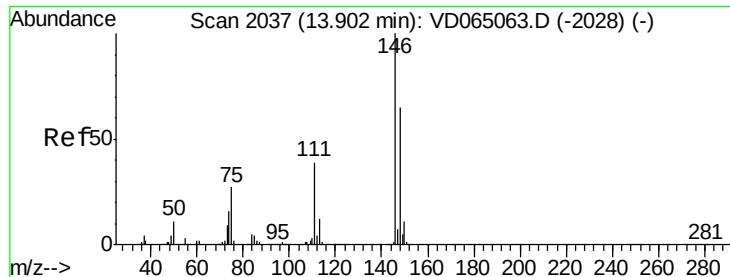
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#90
Hexachloroethane
Concen: 19.712 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.5	42.5	127.6





#91

1,2-Dichlorobenzene

Concen: 19.228 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.01 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Instrument :

MSVOA_D

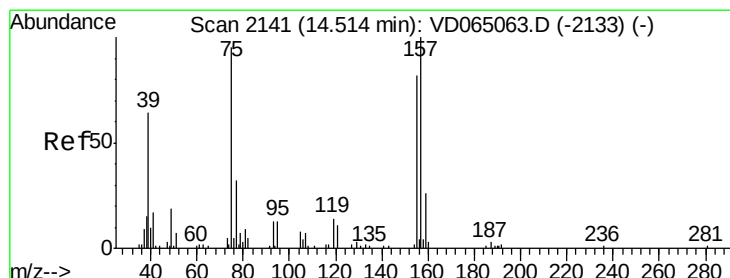
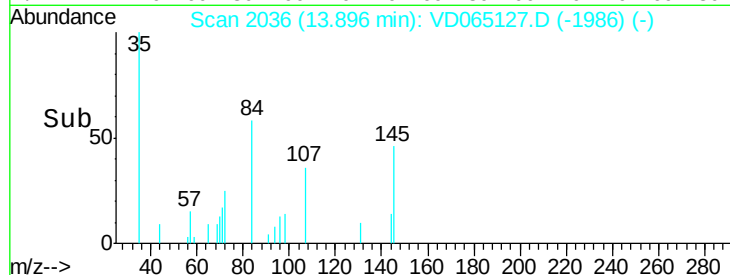
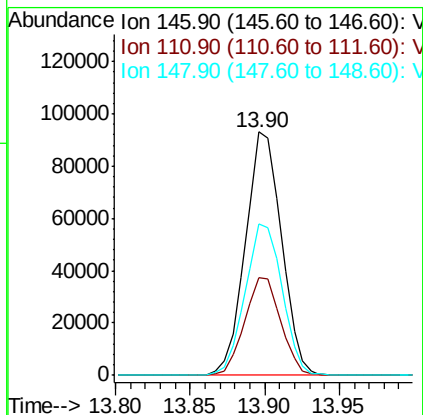
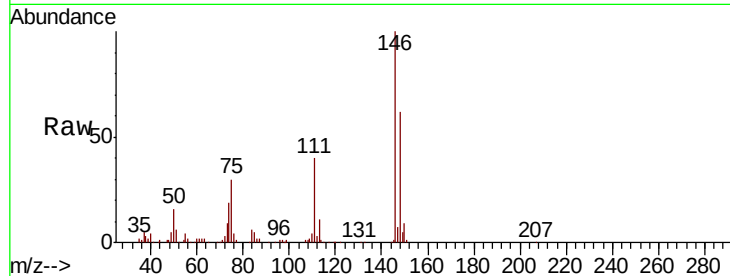
ClientSampleId :

VD0210SBSD01

Tot Ion:	146	Resp:	155760
Ion Ratio	Lower	Upper	
146	100		
111	40.3	19.7	59.1
148	63.7	31.9	95.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.289 ug/l

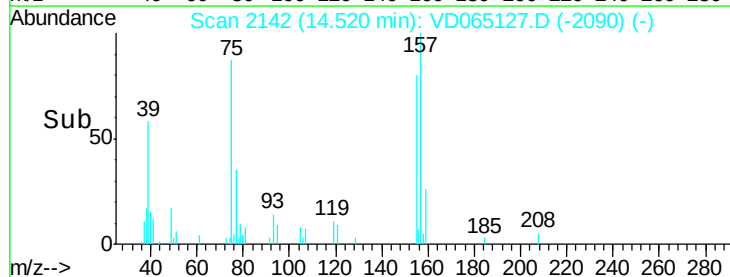
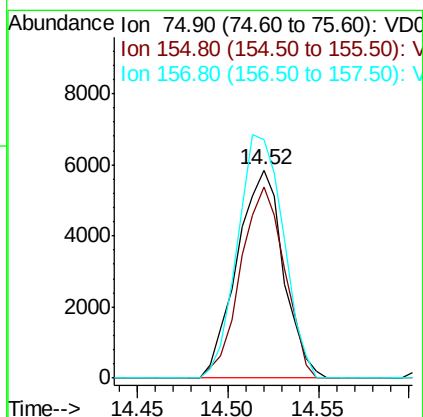
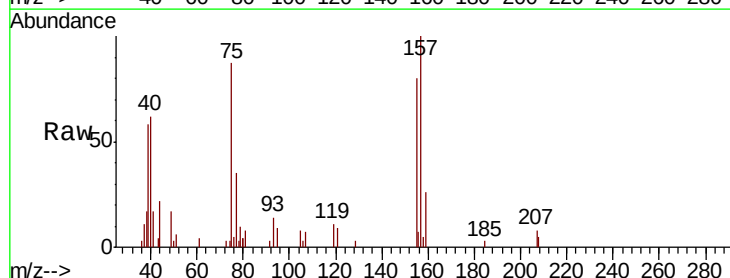
RT: 14.52 min Scan# 2142

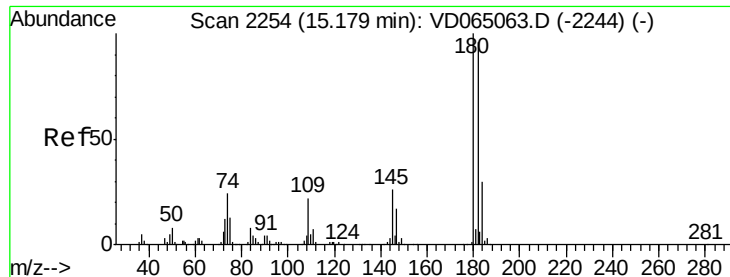
Delta R.T. 0.01 min

Lab File: VD065127.D

Acq: 10 Feb 2020 12:27

Tgt Ion:	75	Resp:	10390
Ion Ratio	Lower	Upper	
75	100		
155	87.1	43.4	130.1
157	115.8	55.8	167.3





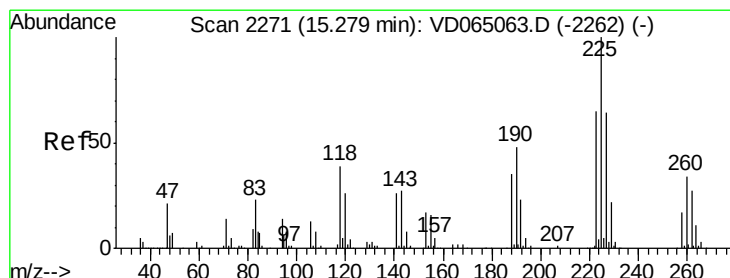
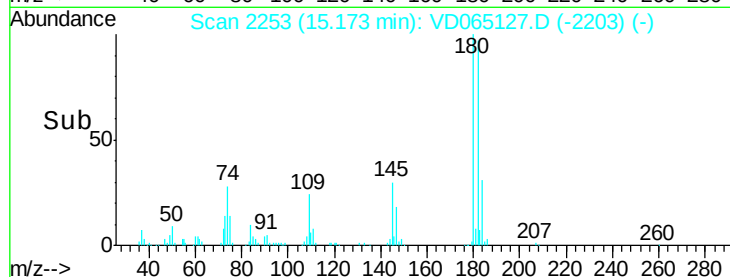
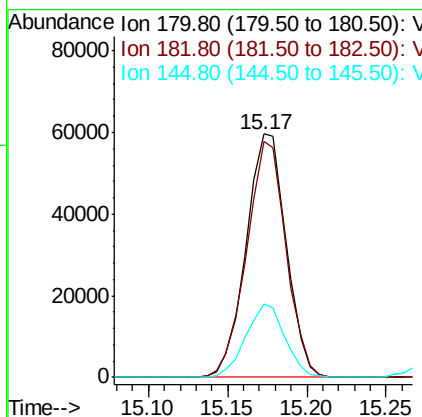
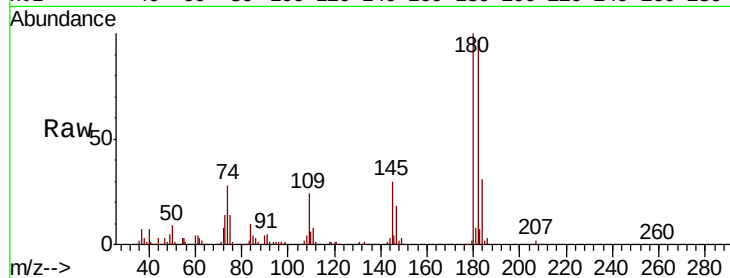
#93
 1,2,4-Trichlorobenzene
 Concen: 18.096 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065127.D
 Acq: 10 Feb 2020 12:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0210SBS01

Tot Ion:	180	Resp:	104774
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.4	142.3
145	29.4	14.1	42.4

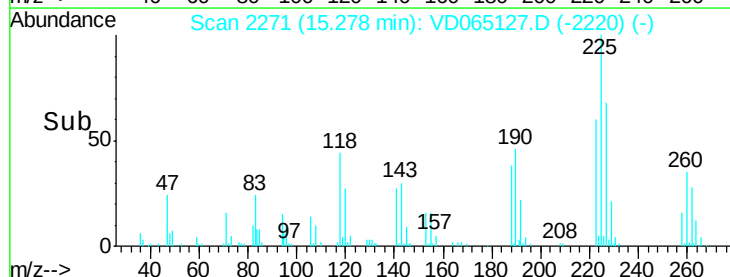
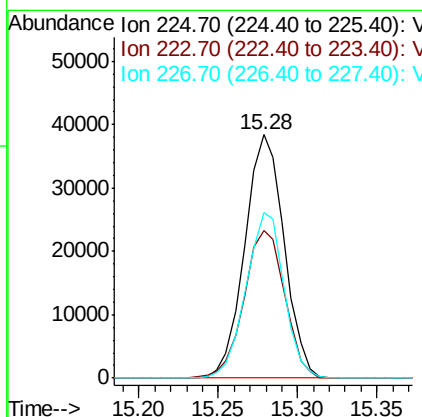
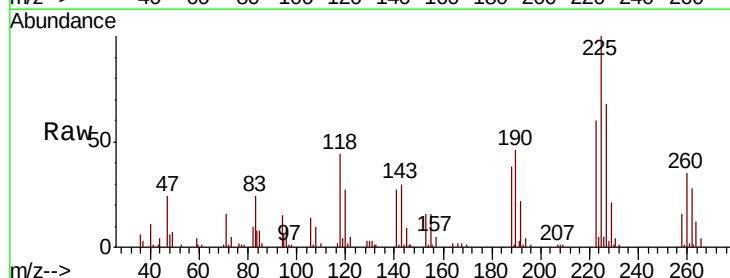
Manual Integrations
 APPROVED

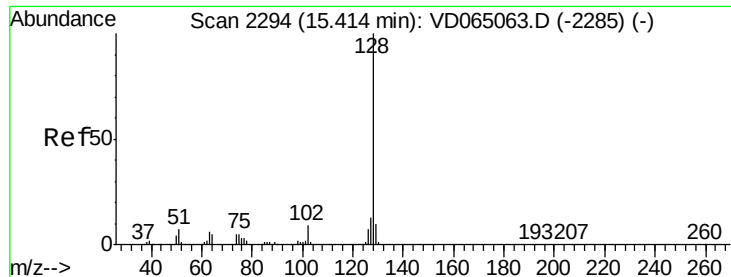
MMDadoda
 2/11/2020 6:09:32 PM



#94
 Hexachlorobutadiene
 Concen: 18.602 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065127.D
 Acq: 10 Feb 2020 12:27

Tgt Ion:	225	Resp:	66225
Ion Ratio	Lower	Upper	
225	100		
223	62.7	31.4	94.0
227	65.8	31.8	95.3





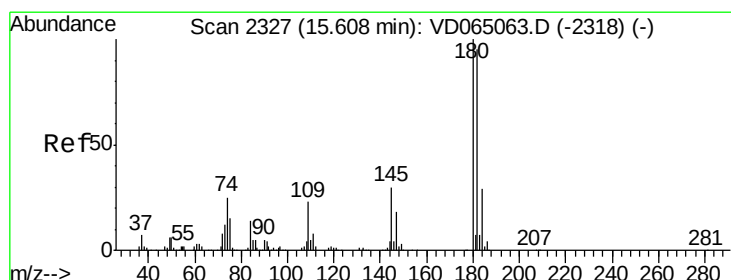
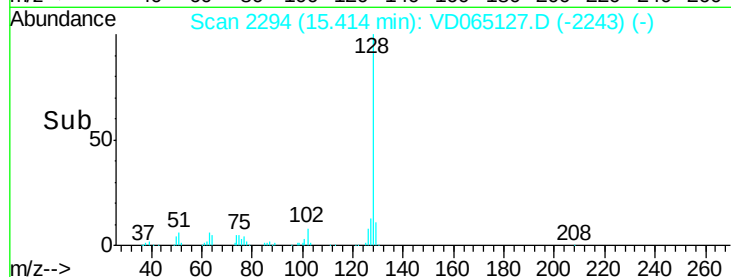
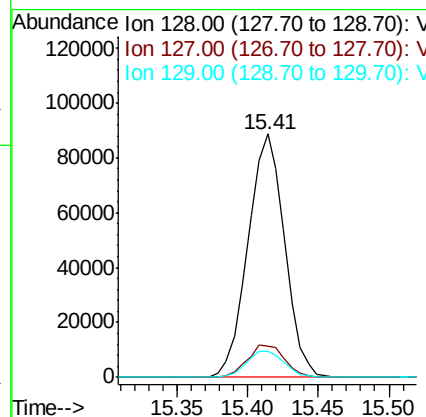
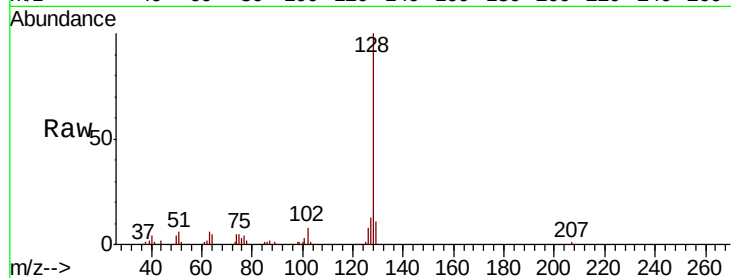
#95
Naphthalene
Concen: 16.750 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

Instrument :
MSVOA_D
ClientSampleId :
VD0210SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	15.8
129	11.2	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/11/2020 6:09:32 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.155 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065127.D
Acq: 10 Feb 2020 12:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.1	141.4
145	30.2	14.9	44.9

