

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081020\
 Data File : VD066164.D
 Acq On : 10 Aug 2020 15:06
 Operator : VA/SY
 Sample : VD0810SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0810SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/11/2020 3:19:25 PM

Quant Time: Aug 11 05:35:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	322886	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	471900	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	439944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	226156	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	148304	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
35) Dibromofluoromethane	7.91	113	151227	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
50) Toluene-d8	10.34	98	577885	52.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.76%	
62) 4-Bromofluorobenzene	12.63	95	205456	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	58019	20.395	ug/l	94
3) Chloromethane	2.20	50	41972	18.967	ug/l	90
4) Vinyl Chloride	2.34	62	37480	19.131	ug/l	100
5) Bromomethane	2.74	94	24540	18.880	ug/l	95
6) Chloroethane	2.91	64	23106	19.213	ug/l #	82
7) Trichlorofluoromethane	3.26	101	94907	18.581	ug/l	98
8) Diethyl Ether	3.70	74	26658	18.497	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	56526	18.648	ug/l	99
10) Methyl Iodide	4.29	142	53282	23.427	ug/l	98
11) Tert butyl alcohol	5.20	59	24661	90.397	ug/l #	85
12) 1,1-Dichloroethene	4.06	96	52995	18.533	ug/l	88
13) Acrolein	3.91	56	19235	83.889	ug/l	100
14) Allyl chloride	4.70	41	79636	18.383	ug/l	99
15) Acrylonitrile	5.41	53	57605	94.853	ug/l	97
16) Acetone	4.16	43	52899	96.782	ug/l	94
17) Carbon Disulfide	4.40	76	162030	17.821	ug/l	98
18) Methyl Acetate	4.71	43	25190	18.144	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	117449	17.920	ug/l	100
20) Methylene Chloride	4.96	84	73686	20.745	ug/l	98
21) trans-1,2-Dichloroethene	5.46	96	60109	18.298	ug/l	94
22) Diisopropyl ether	6.36	45	160010	18.678	ug/l	93
23) Vinyl Acetate	6.30	43	465349	92.722	ug/l	99
24) 1,1-Dichloroethane	6.26	63	99145	18.701	ug/l	97
25) 2-Butanone	7.20	43	72965	90.762	ug/l	98
26) 2,2-Dichloropropane	7.20	77	90864	19.122	ug/l	99
27) cis-1,2-Dichloroethene	7.20	96	62646	18.182	ug/l	100
28) Bromochloromethane	7.54	49	42087	22.602	ug/l	96
29) Tetrahydrofuran	7.56	42	44800	89.946	ug/l	98
30) Chloroform	7.70	83	100742	18.097	ug/l	91
31) Cyclohexane	7.98	56	94156	18.657	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	94466	18.098	ug/l	99
36) 1,1-Dichloropropene	8.10	75	80814	18.224	ug/l	99
37) Ethyl Acetate	7.28	43	33694	19.177	ug/l	97
38) Carbon Tetrachloride	8.08	117	89887	18.177	ug/l	90

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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	9.35	83	97284	18.148	ug/l	93
40) Benzene	8.34	78	225424	18.325	ug/l	96
41) Methacrylonitrile	7.53	41	18800m	18.198	ug/l	
42) 1,2-Dichloroethane	8.42	62	64626	17.883	ug/l	99
43) Isopropyl Acetate	8.44	43	61182	17.674	ug/l	99
44) Trichloroethene	9.11	130	66722	18.000	ug/l	94
45) 1,2-Dichloropropane	9.38	63	56435	18.758	ug/l	94
46) Dibromomethane	9.47	93	31076	18.752	ug/l	97
47) Bromodichloromethane	9.66	83	79813	18.222	ug/l	93
48) Methyl methacrylate	9.45	41	27793	15.723	ug/l	88
49) 1,4-Dioxane	9.46	88	7737	363.391	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	158946	89.388	ug/l	98
52) Toluene	10.40	92	148792	18.382	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	77088	18.546	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	90172	18.516	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	43338	18.161	ug/l	96
56) Ethyl methacrylate	10.66	69	52648	18.366	ug/l	97
57) 1,3-Dichloropropane	10.94	76	73836	18.638	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	138000	107.021	ug/l	98
59) 2-Hexanone	10.98	43	112753	90.351	ug/l	97
60) Dibromochloromethane	11.14	129	59790	18.148	ug/l	100
61) 1,2-Dibromoethane	11.24	107	42571	18.550	ug/l	99
64) Tetrachloroethene	10.87	164	59272	17.545	ug/l	96
65) Chlorobenzene	11.67	112	166474	18.640	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.74	131	61598	17.627	ug/l	98
67) Ethyl Benzene	11.74	91	287504	18.577	ug/l	99
68) m/p-Xylenes	11.86	106	221053	36.865	ug/l	99
69) o-Xylene	12.18	106	99840	18.304	ug/l	99
70) Styrene	12.20	104	177861	18.606	ug/l	99
71) Bromoform	12.36	173	36184	17.477	ug/l #	96
73) Isopropylbenzene	12.48	105	277890	18.408	ug/l	100
74) N-amyl acetate	12.29	43	57940	17.429	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	47445	18.431	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	39062m	20.712	ug/l	
77) Bromobenzene	12.76	156	70968	18.262	ug/l	98
78) n-propylbenzene	12.82	91	330236	18.818	ug/l	100
79) 2-Chlorotoluene	12.91	91	187921	18.724	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	237648	18.823	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	16118	18.892	ug/l	99
82) 4-Chlorotoluene	13.01	91	196812	18.576	ug/l	99
83) tert-Butylbenzene	13.23	119	202114	18.203	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	232173	18.375	ug/l	97
85) sec-Butylbenzene	13.41	105	280176	18.690	ug/l	99
86) p-Isopropyltoluene	13.52	119	267071	18.995	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	138119	18.911	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	134891	18.519	ug/l	99
89) n-Butylbenzene	13.85	91	237186	18.829	ug/l	99
90) Hexachloroethane	14.11	117	51162	18.245	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	117585	18.204	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7490	16.929	ug/l	98

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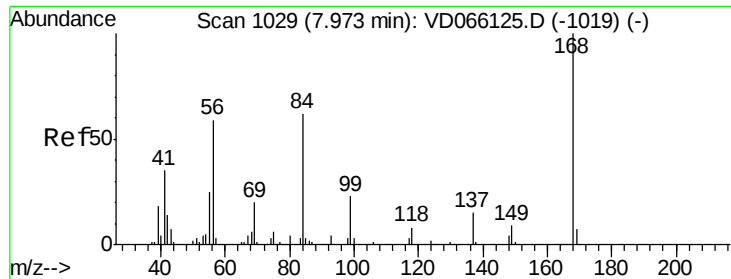
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	84641	17.781	ug/l	98
94) Hexachlorobutadiene	15.27	225	51259	18.287	ug/l	99
95) Naphthalene	15.41	128	137997	17.792	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	75663	18.006	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066164.D

Acq: 10 Aug 2020 15:06

Instrument :

MSVOA_D

ClientSampleId :

VD0810SBS01

Tot Ion:168 Resp: 322886

Ion Ratio Lower Upper

168 100

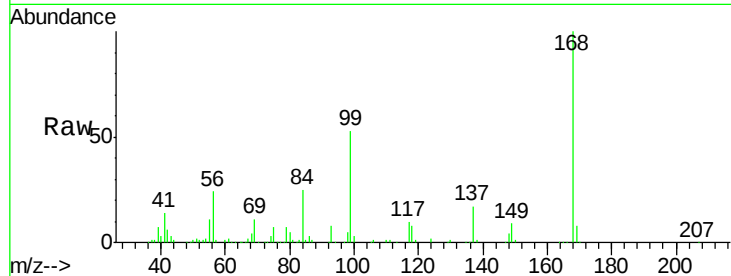
99 53.0 42.2 63.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

150000

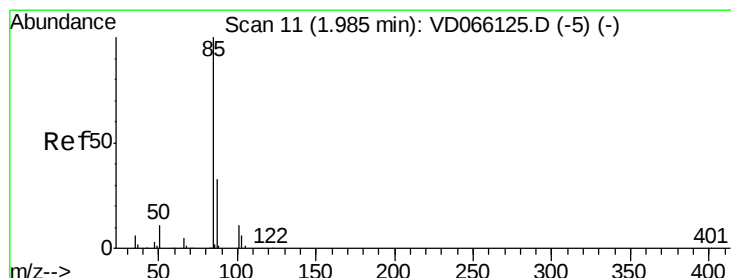
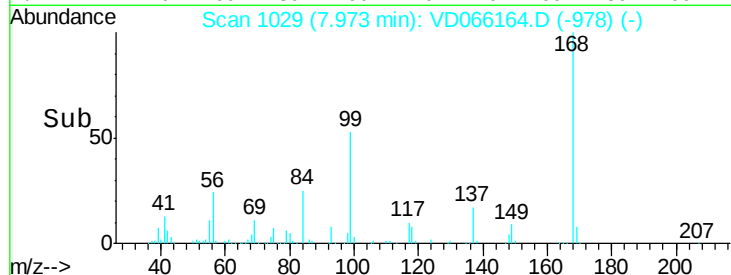
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.395 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066164.D

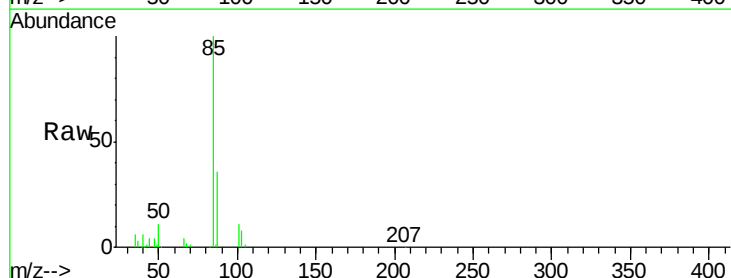
Acq: 10 Aug 2020 15:06

Tgt Ion: 85 Resp: 58019

Ion Ratio Lower Upper

85 100

87 35.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

30000

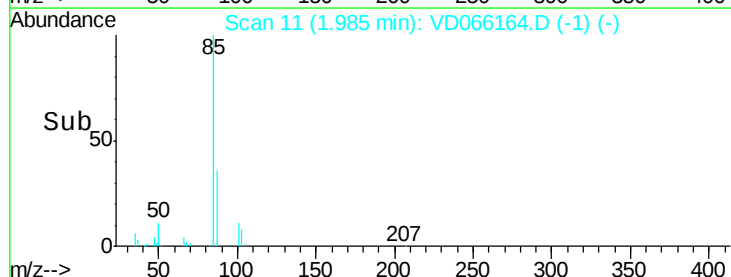
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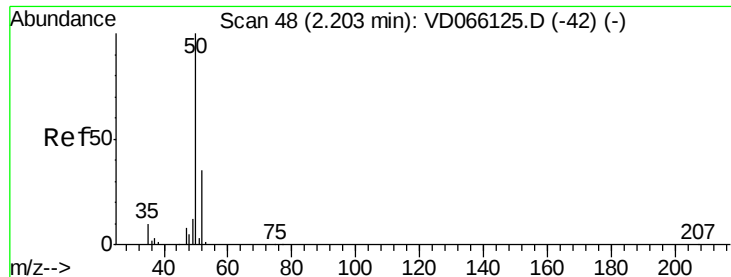
10000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 18.967 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD066164.D

Acq: 10 Aug 2020 15:06

Instrument :

MSVOA_D

ClientSampleId :

VD0810SBS01

Tot Ion: 50 Resp: 41972

Ion Ratio Lower Upper

50 100

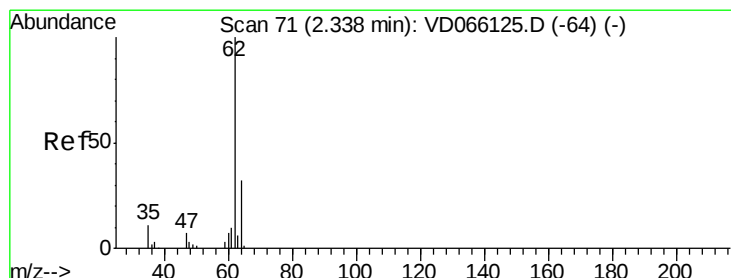
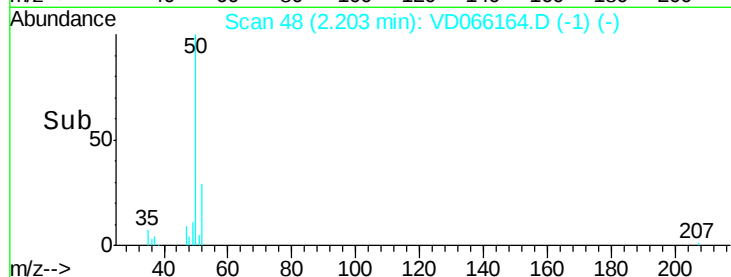
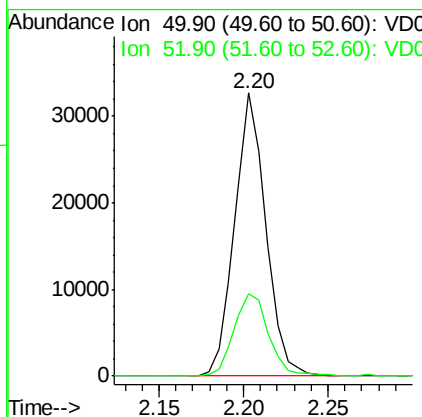
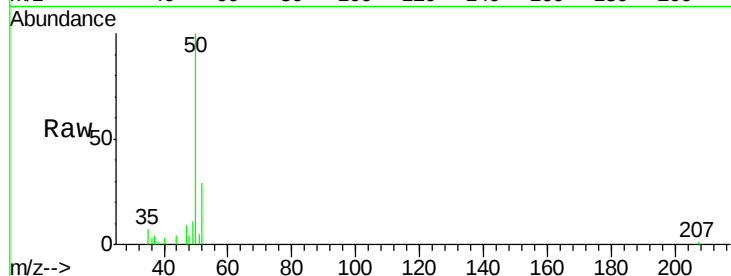
52 29.0 27.9 41.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.131 ug/l

RT: 2.34 min Scan# 72

Delta R.T. 0.01 min

Lab File: VD066164.D

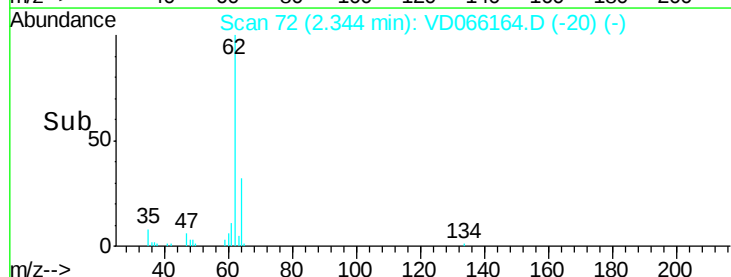
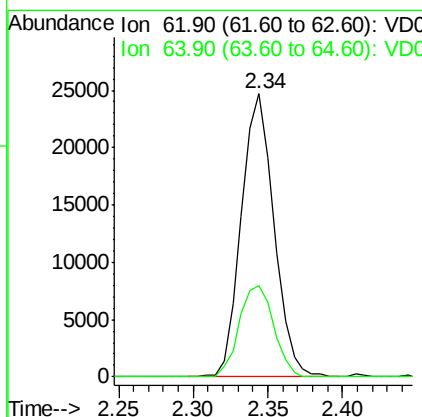
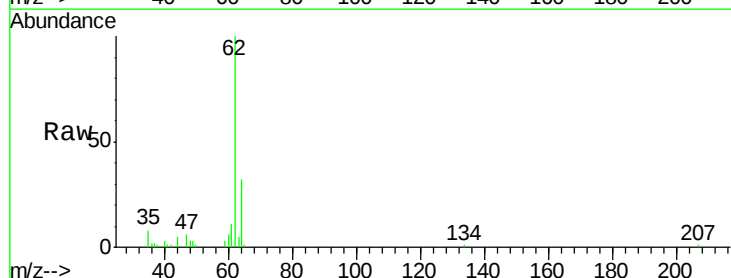
Acq: 10 Aug 2020 15:06

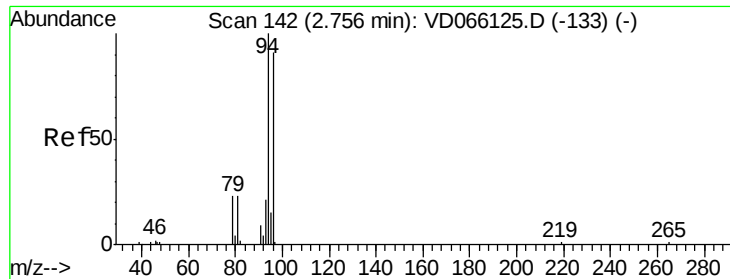
Tgt Ion: 62 Resp: 37480

Ion Ratio Lower Upper

62 100

64 32.3 25.8 38.8





#5

Bromomethane

Concen: 18.880 ug/l

RT: 2.74 min Scan# 140

Delta R.T. -0.01 min

Lab File: VD066164.D

Acq: 10 Aug 2020 15:06

Instrument :

MSVOA_D

ClientSampleId :

VD0810SBS01

Tot Ion: 94 Resp: 24540

Ion Ratio Lower Upper

94 100

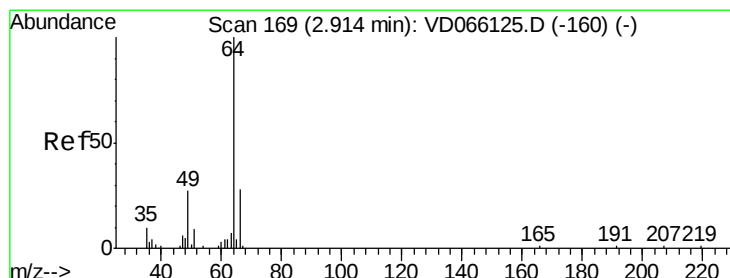
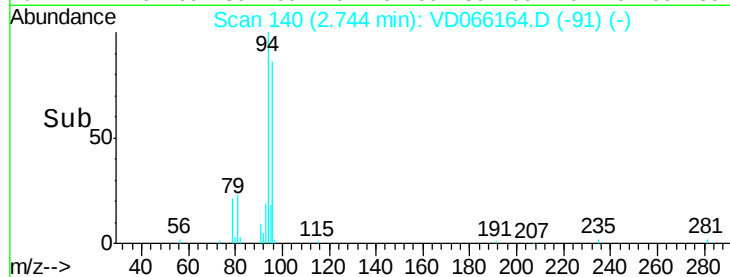
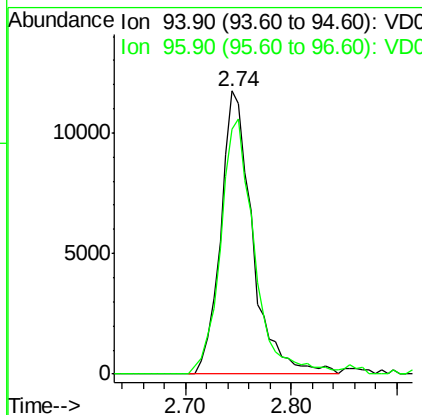
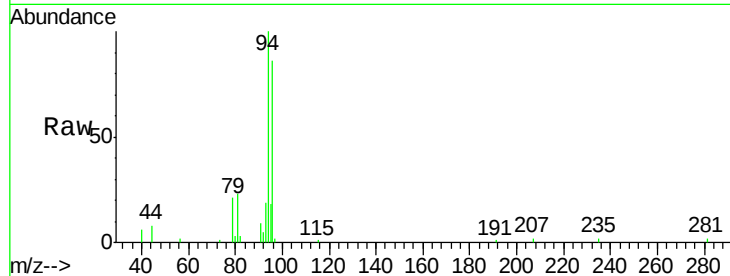
96 86.3 72.6 109.0

Manual Integrations

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#6

Chloroethane

Concen: 19.213 ug/l

RT: 2.91 min Scan# 168

Delta R.T. -0.01 min

Lab File: VD066164.D

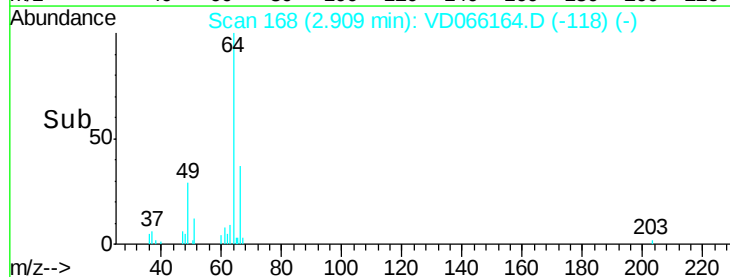
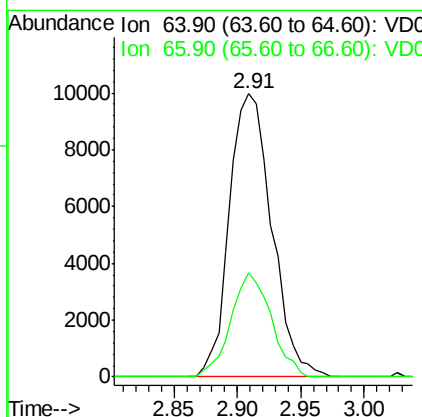
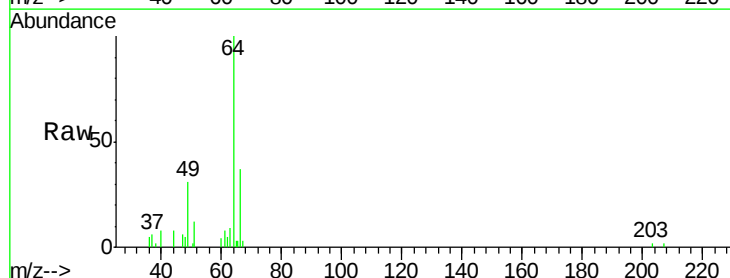
Acq: 10 Aug 2020 15:06

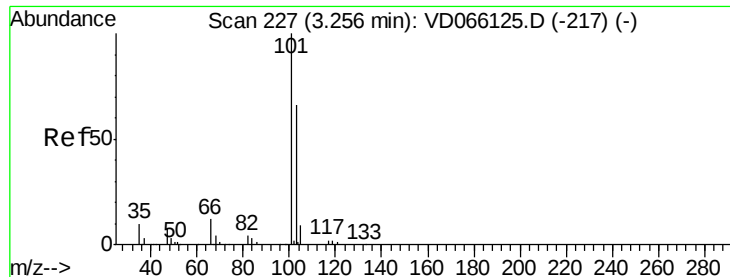
Tgt Ion: 64 Resp: 23106

Ion Ratio Lower Upper

64 100

66 37.0 22.0 33.0#





#7

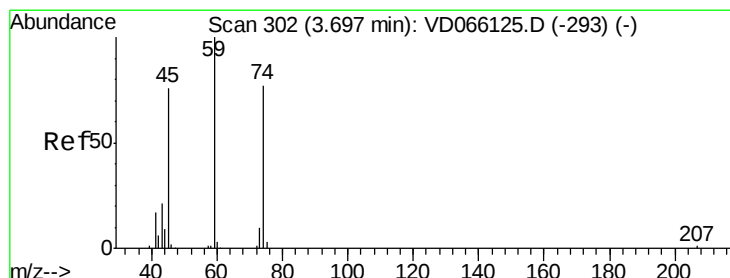
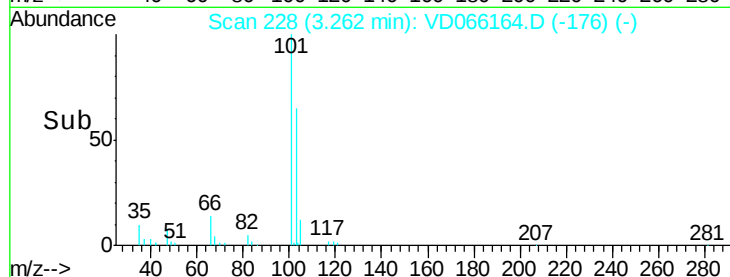
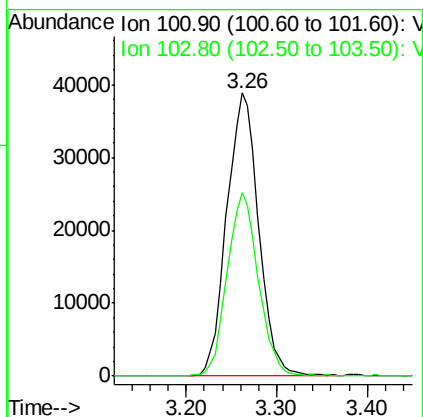
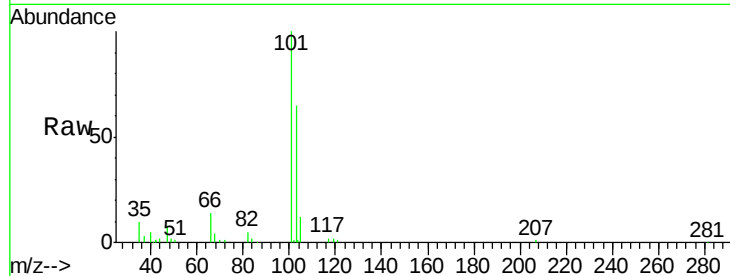
Trichlorofluoromethane
Concen: 18.581 ug/l
RT: 3.26 min Scan# 228
Delta R.T. 0.01 min
Lab File: VD066164.D
Acq: 10 Aug 2020 15:06

Instrument :
MSVOA_D
ClientSampleId :
VD0810SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	53.0	79.6

Manual Integrations
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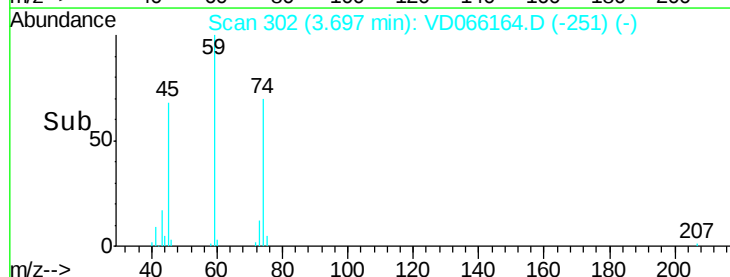
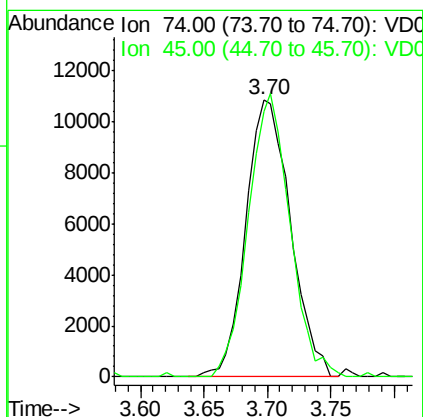
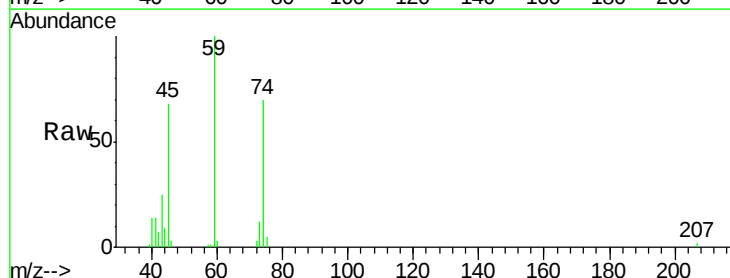
MMDadoda
8/11/2020 3:19:25 PM

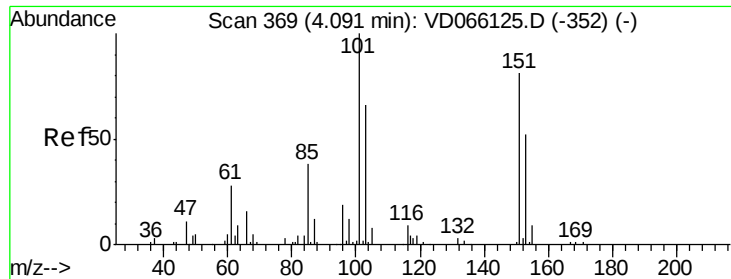


#8

Diethyl Ether
Concen: 18.497 ug/l
RT: 3.70 min Scan# 302
Delta R.T. 0.00 min
Lab File: VD066164.D
Acq: 10 Aug 2020 15:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.4	48.4	145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.648 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD066164.D

Acq: 10 Aug 2020 15:06

Instrument :

MSVOA_D

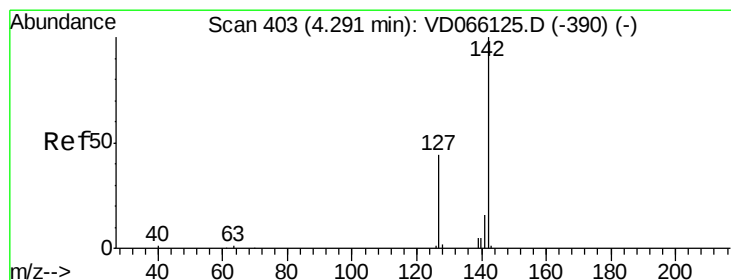
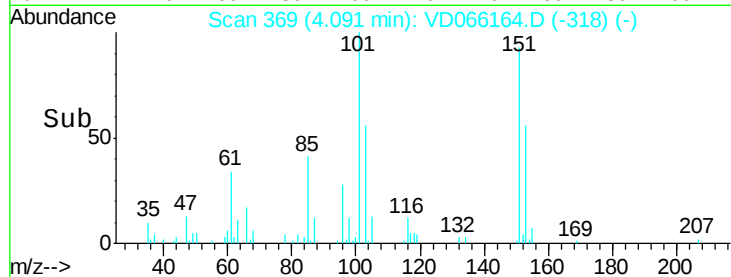
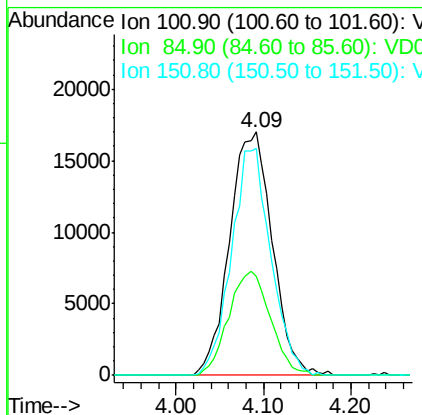
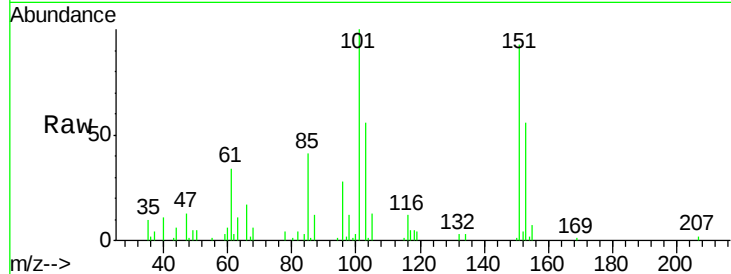
ClientSampleId :

VD0810SBS01

Tot Ion:	101	Resp:	56526
Ion Ratio	Lower	Upper	
101	100		
85	41.8	33.5	50.3
151	85.9	67.8	101.8

Manual Integrations
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8/11/2020 3:19:25 PM



#10

Methyl Iodide

Concen: 23.427 ug/l

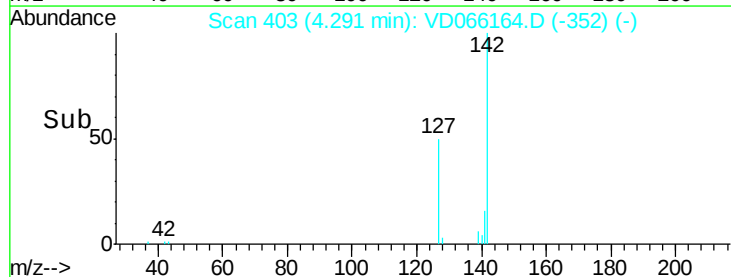
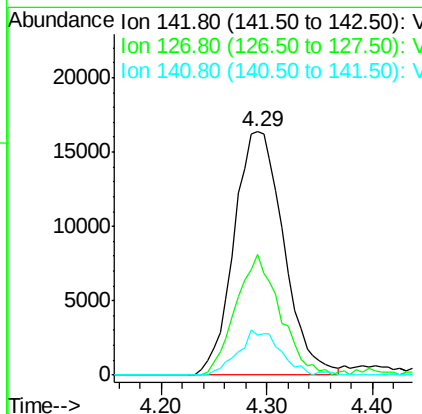
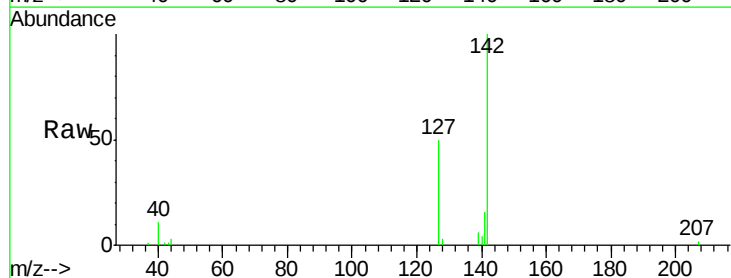
RT: 4.29 min Scan# 403

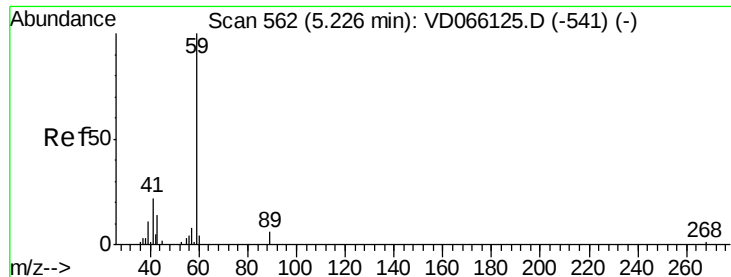
Delta R.T. 0.00 min

Lab File: VD066164.D

Acq: 10 Aug 2020 15:06

Tgt Ion:	142	Resp:	53282
Ion Ratio	Lower	Upper	
142	100		
127	43.8	36.2	54.4
141	15.4	12.6	18.8





#11

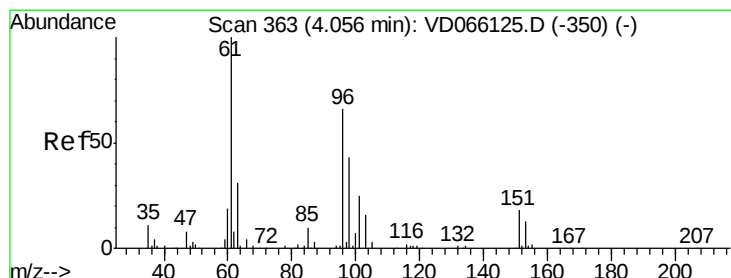
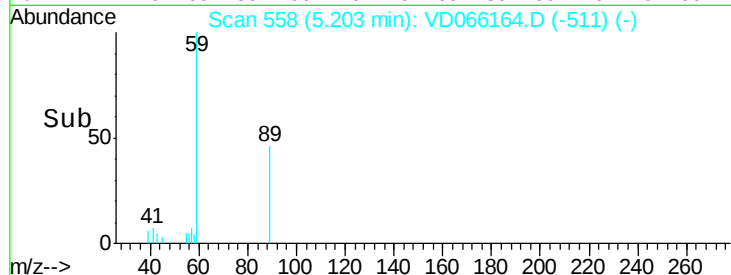
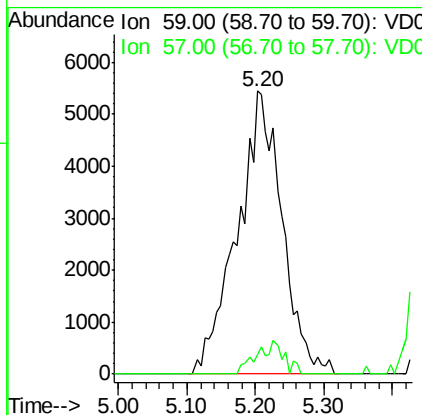
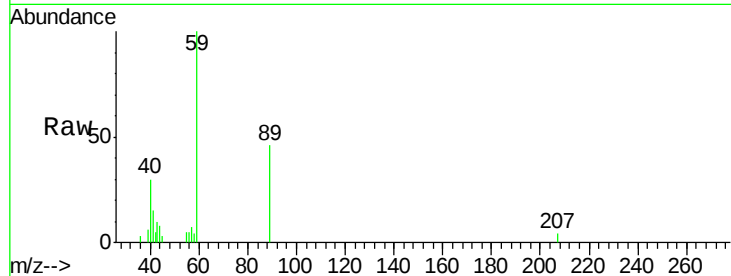
Tert butyl alcohol
 Concen: 90.397 ug/l
 RT: 5.20 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: VD066164.D
 Acq: 10 Aug 2020 15:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0810SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	3.1	7.0	10.4#

Manual Integrations
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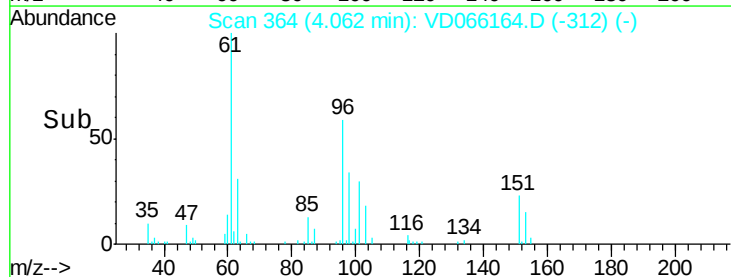
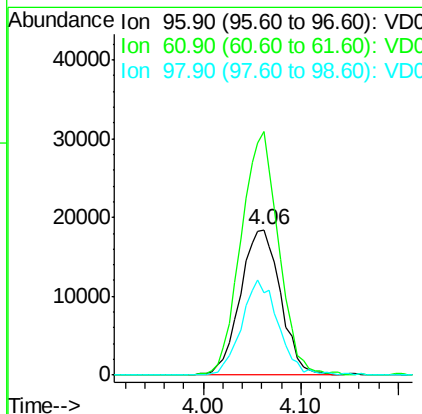
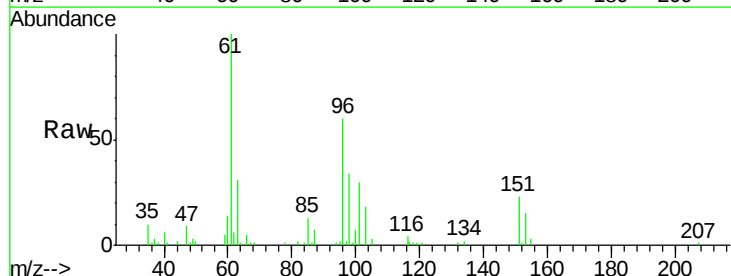
MMDadoda
 8/11/2020 3:19:25 PM

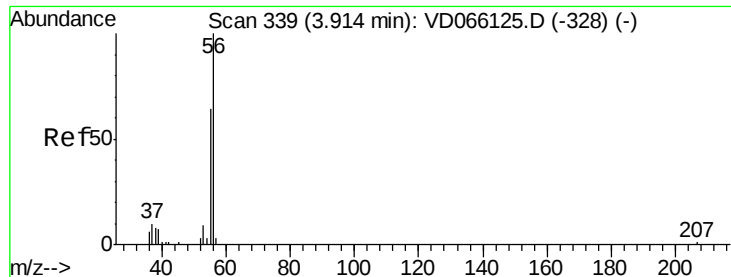


#12

1,1-Dichloroethene
 Concen: 18.533 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VD066164.D
 Acq: 10 Aug 2020 15:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.5	121.6	182.4
98	56.6	52.0	78.0





#13

Acrolein

Concen: 83.889 ug/l

RT: 3.91 min Scan# 339

Delta R.T. 0.00 min

Lab File: VD066164.D

Acq: 10 Aug 2020 15:06

Instrument :

MSVOA_D

ClientSampleId :

VD0810SBS01

Tot Ion: 56 Resp: 19235

Ion Ratio Lower Upper

56 100

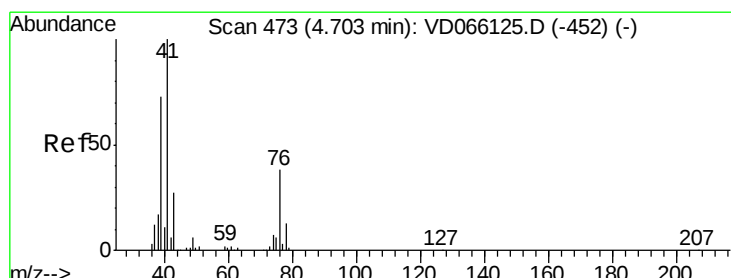
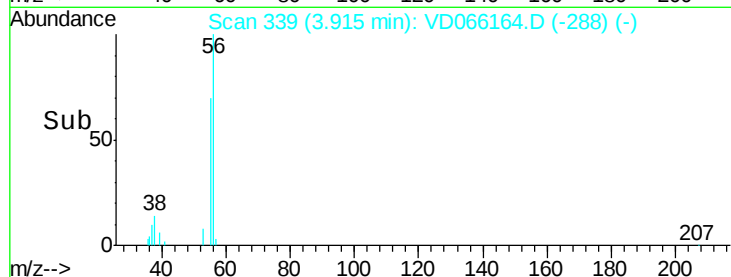
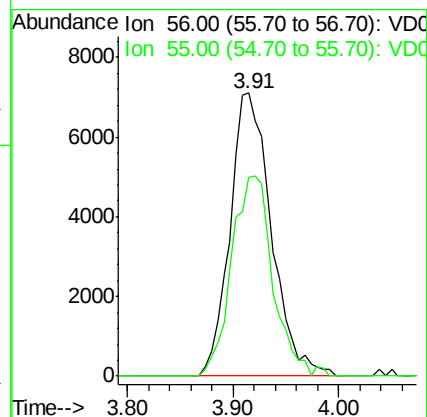
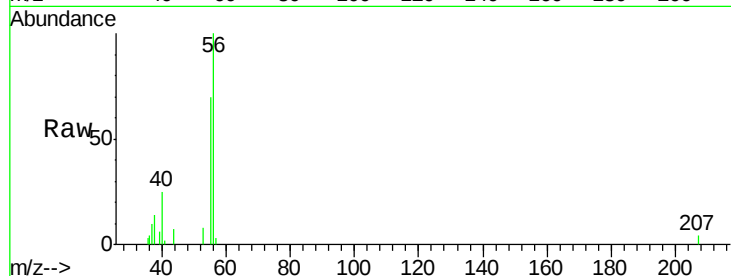
55 70.7 56.7 85.1

Manual Integrations

APPROVED

MMDadoda

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#14

Allyl chloride

Concen: 18.383 ug/l

RT: 4.70 min Scan# 473

Delta R.T. 0.00 min

Lab File: VD066164.D

Acq: 10 Aug 2020 15:06

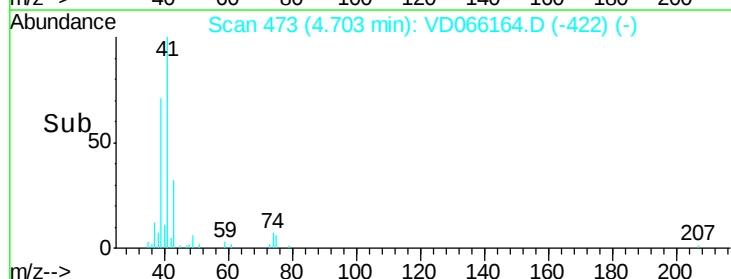
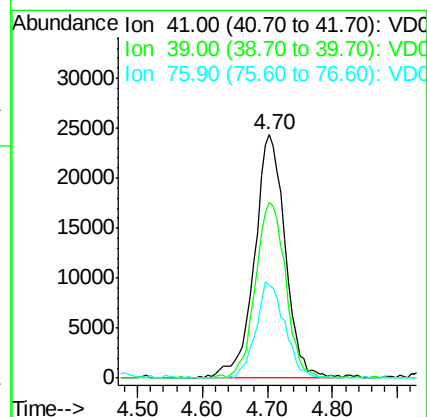
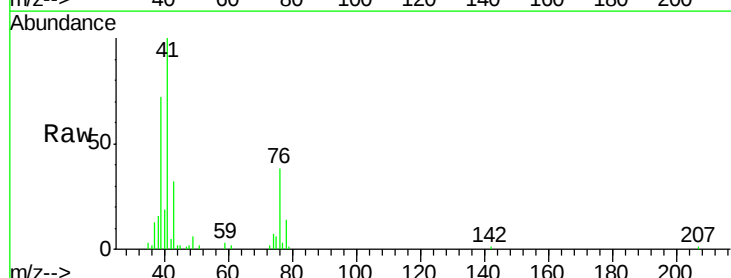
Tgt Ion: 41 Resp: 79636

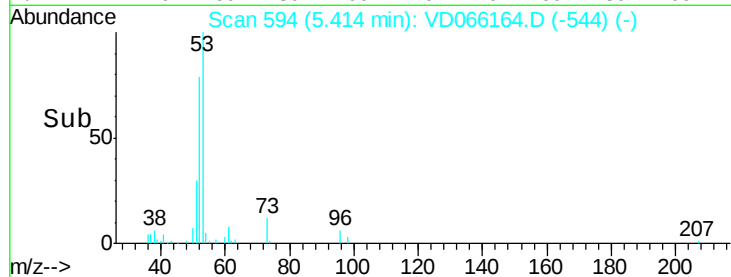
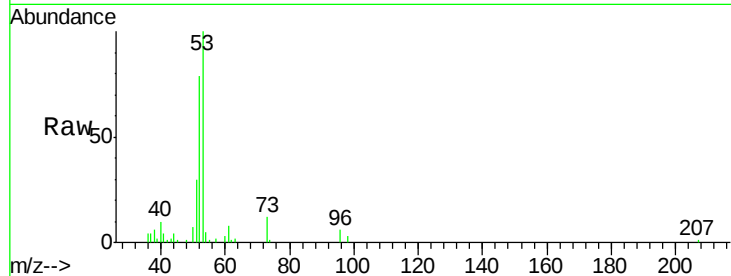
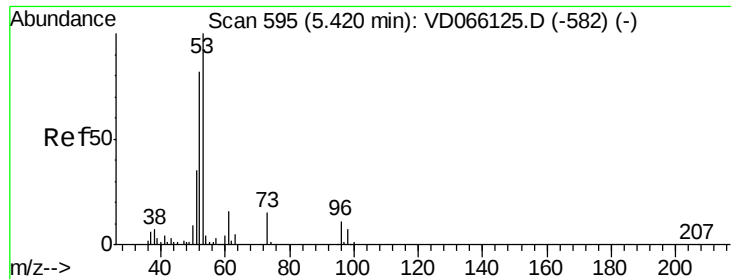
Ion Ratio Lower Upper

41 100

39 70.7 57.4 86.0

76 36.9 30.1 45.1





#15

Acrylonitrile

Concen: 94.853 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD066164.D

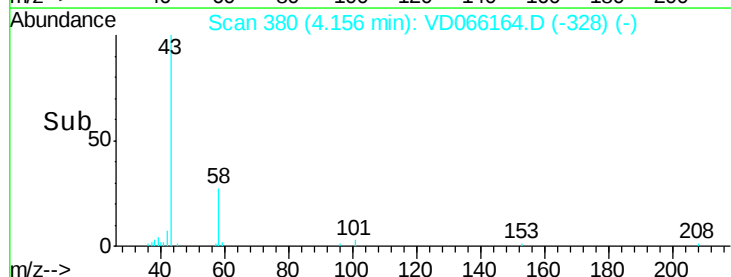
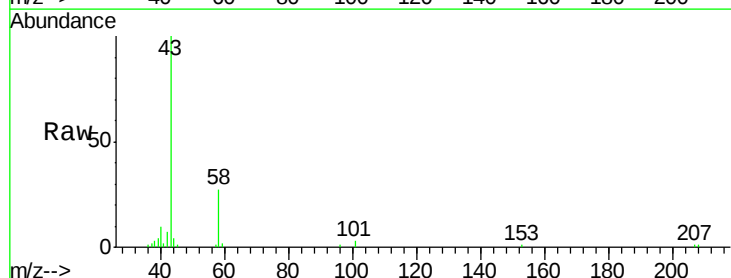
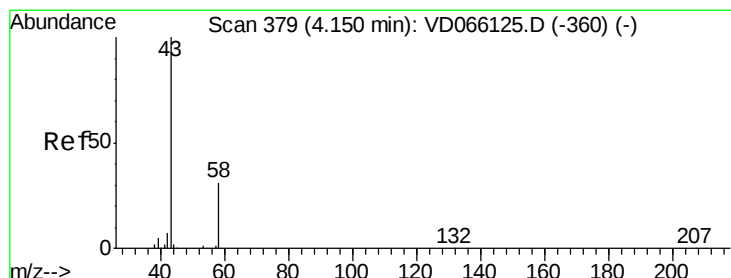
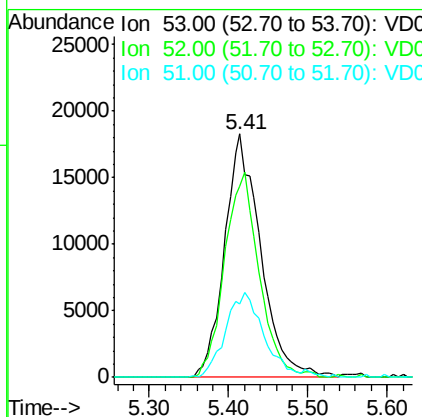
Acq: 10 Aug 2020 15:06

Tot Ion:	53	Resp:	57605
Ion Ratio	Lower	Upper	
53	100		
52	80.4	66.1	99.1
51	36.6	30.8	46.2

Instrument :
MSVOA_D
ClientSampleId :
VD0810SBS01

Manual Integrations
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MMDadoda
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#16

Acetone

Concen: 96.782 ug/l

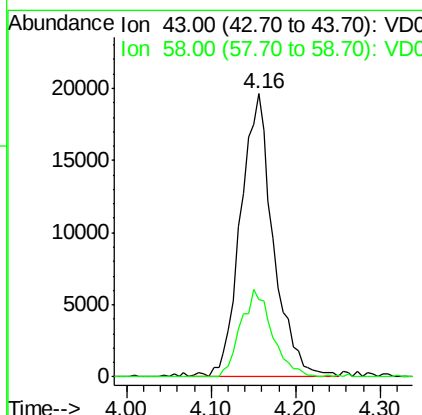
RT: 4.16 min Scan# 380

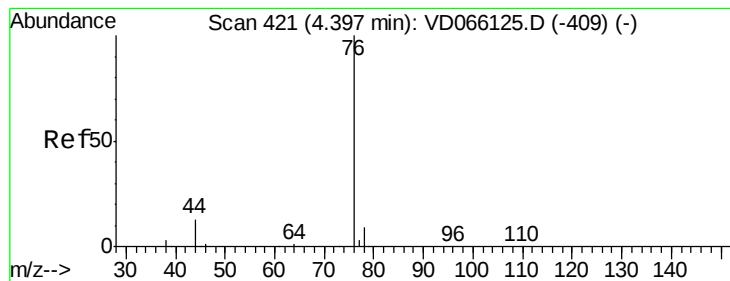
Delta R.T. 0.01 min

Lab File: VD066164.D

Acq: 10 Aug 2020 15:06

Tgt Ion:	43	Resp:	52899
Ion Ratio	Lower	Upper	
43	100		
58	27.5	24.7	37.1





#17

Carbon Disulfide

Concen: 17.821 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD066164.D

Acq: 10 Aug 2020 15:06

Instrument :

MSVOA_D

ClientSampleId :

VD0810SBS01

Tot Ion: 76 Resp: 162030

Ion Ratio Lower Upper

76 100

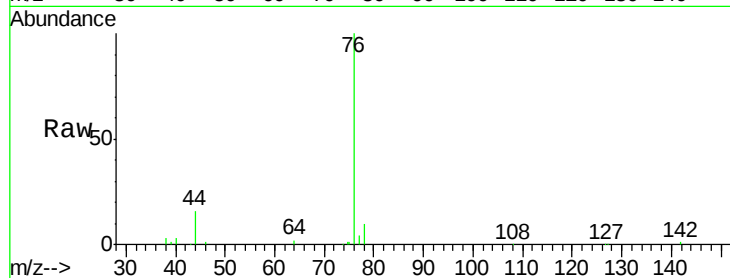
78 10.0 7.5 11.3

Manual Integrations

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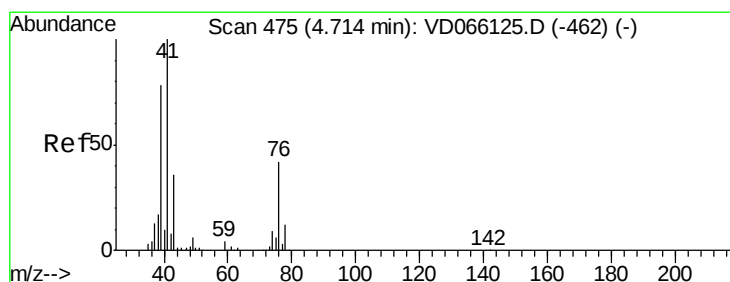
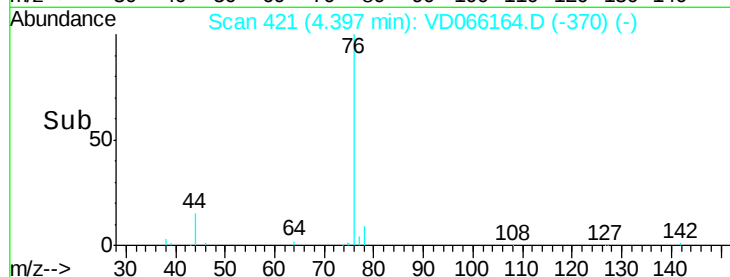
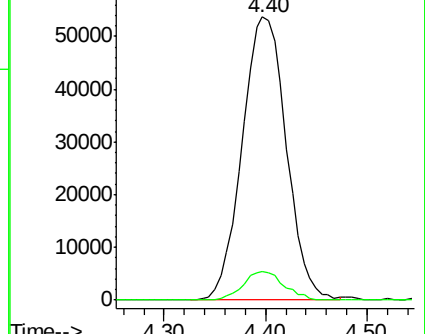
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 18.144 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD066164.D

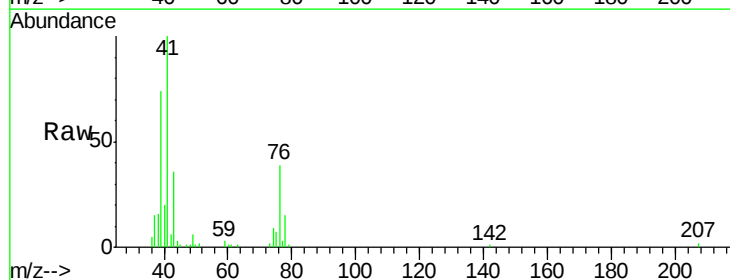
Acq: 10 Aug 2020 15:06

Tgt Ion: 43 Resp: 25190

Ion Ratio Lower Upper

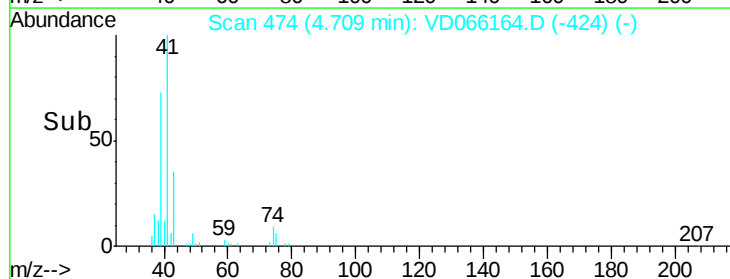
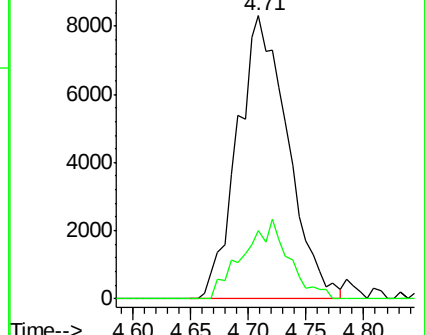
43 100

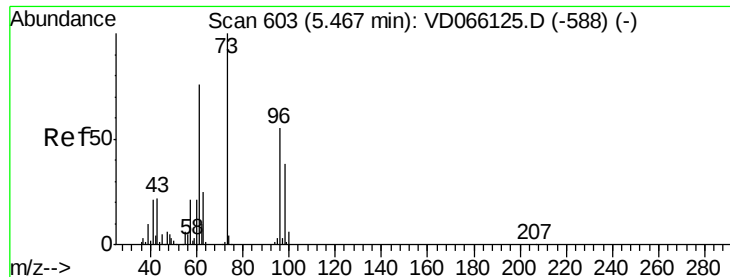
74 25.7 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





#19

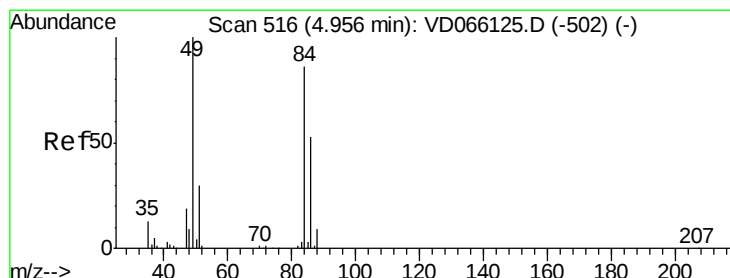
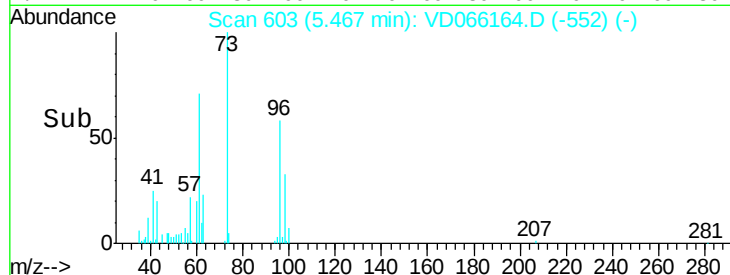
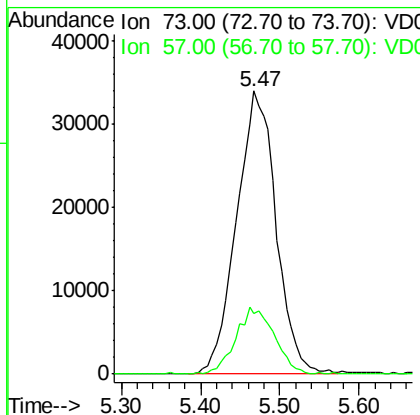
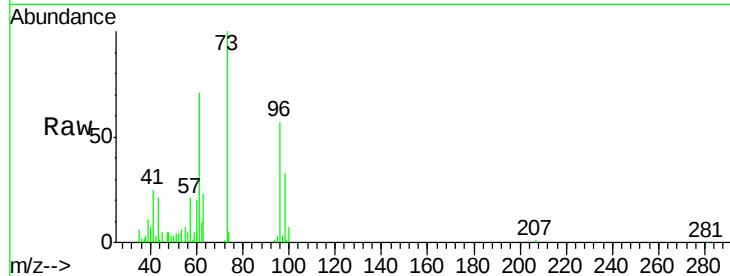
Methyl tert-butyl Ether
 Concen: 17.920 ug/l
 RT: 5.47 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: VD066164.D
 Acq: 10 Aug 2020 15:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0810SBS01

Tot Ion: 73 Resp: 117449
 Ion Ratio Lower Upper
 73 100
 57 21.5 17.1 25.7

Manual Integrations
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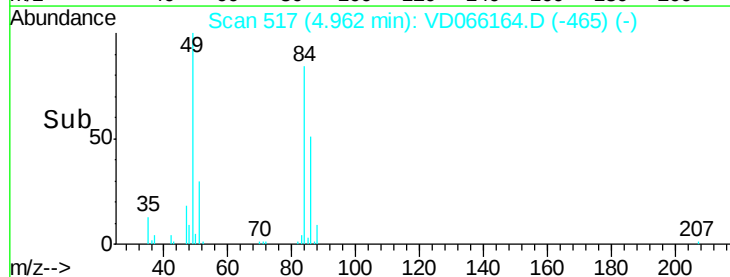
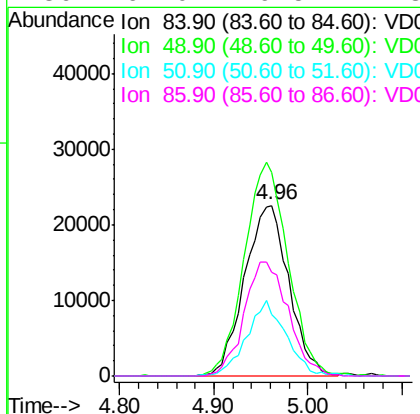
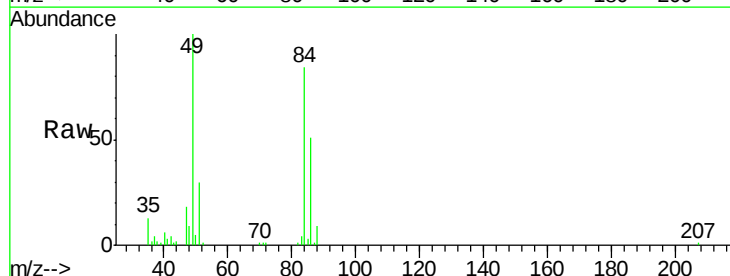
MMDadoda
 8/11/2020 3:19:25 PM

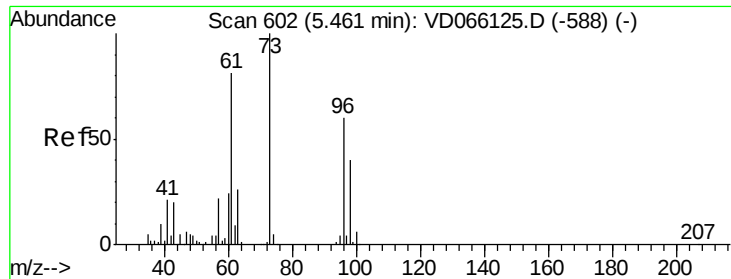


#20

Methylene Chloride
 Concen: 20.745 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.01 min
 Lab File: VD066164.D
 Acq: 10 Aug 2020 15:06

Tgt Ion: 84 Resp: 73686
 Ion Ratio Lower Upper
 84 100
 49 119.3 93.5 140.3
 51 36.1 28.2 42.4
 86 61.0 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 18.298 ug/l

RT: 5.46 min Scan# 602

Delta R.T. 0.00 min

Lab File: VD066164.D

Acq: 10 Aug 2020 15:06

Instrument :

MSVOA_D

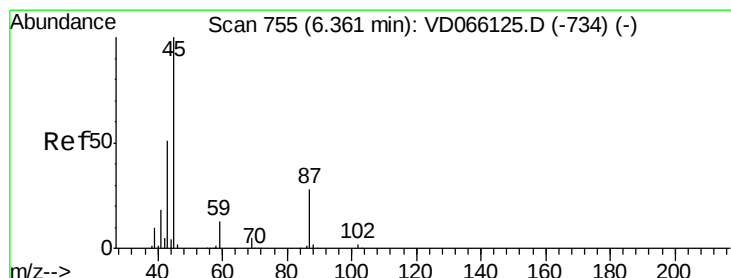
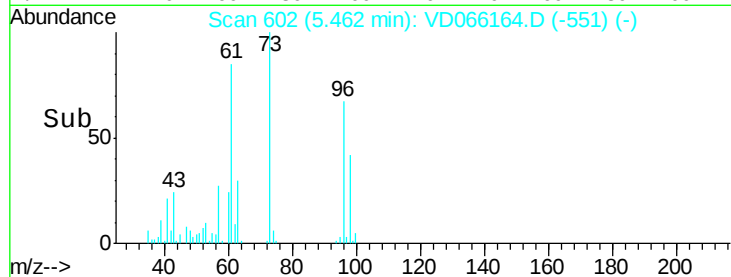
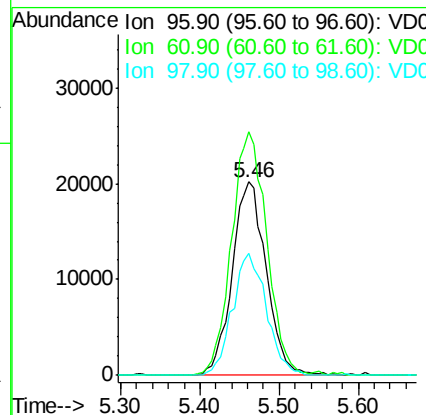
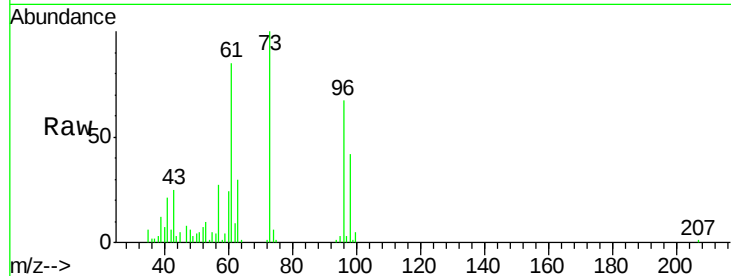
ClientSampleId :

VD0810SBS01

Tot Ion:	96	Resp:	60109
Ion	Ratio	Lower	Upper
96	100		
61	125.9	106.9	160.3
98	62.8	53.4	80.0

Manual Integrations
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MMDadoda
8/11/2020 3:19:25 PM



#22

Diisopropyl ether

Concen: 18.678 ug/l

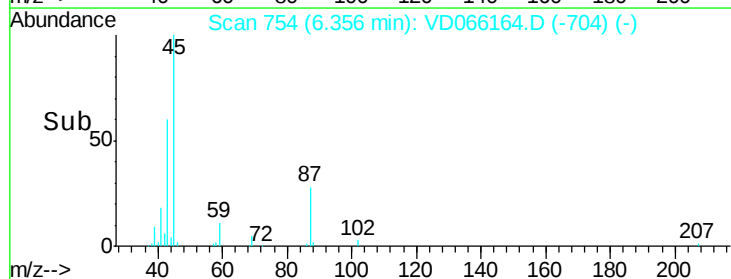
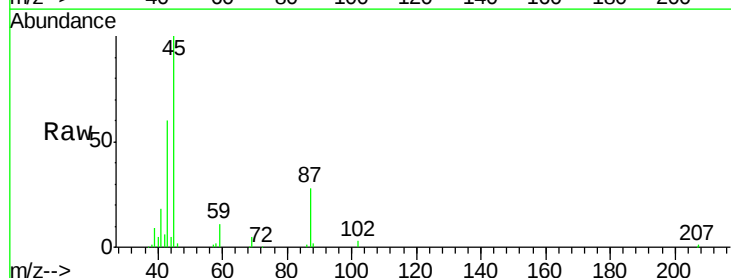
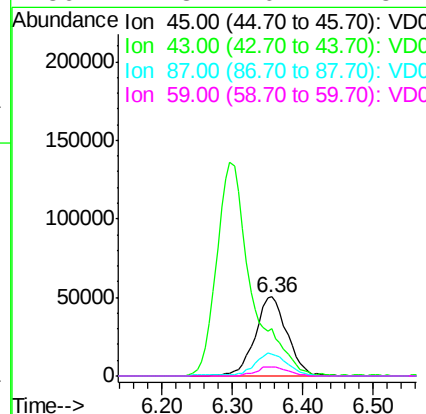
RT: 6.36 min Scan# 754

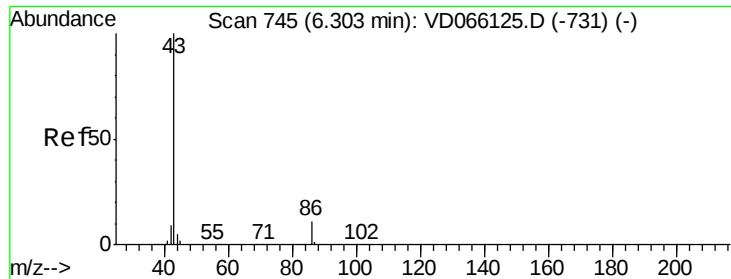
Delta R.T. -0.01 min

Lab File: VD066164.D

Acq: 10 Aug 2020 15:06

Tgt Ion:	45	Resp:	160010
Ion	Ratio	Lower	Upper
45	100		
43	58.7	41.2	61.8
87	27.6	22.8	34.2
59	11.3	10.2	15.2





#23

Vinyl Acetate

Concen: 92.722 ug/l

RT: 6.30 min Scan# 744

Delta R.T. -0.01 min

Lab File: VD066164.D

Acq: 10 Aug 2020 15:06

Instrument :

MSVOA_D

ClientSampleId :

VD0810SBS01

Tot Ion: 43 Resp: 465349

Ion Ratio Lower Upper

43 100

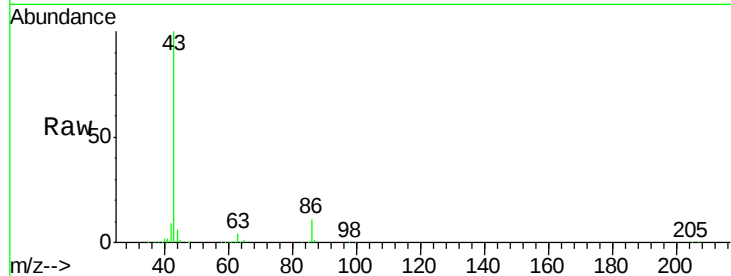
86 11.1 9.1 13.7

Manual Integrations

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MMDadoda

8/11/2020 3:19:25 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

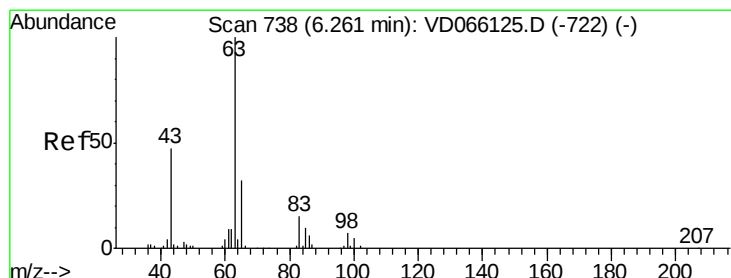
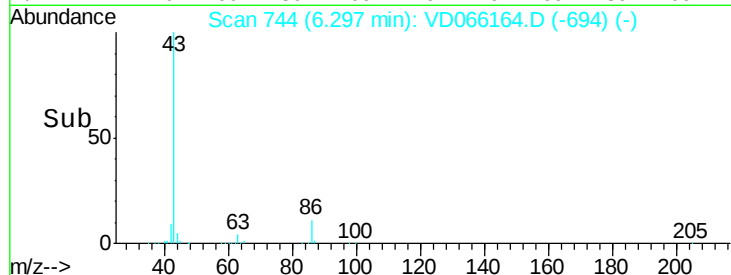
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.701 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD066164.D

Acq: 10 Aug 2020 15:06

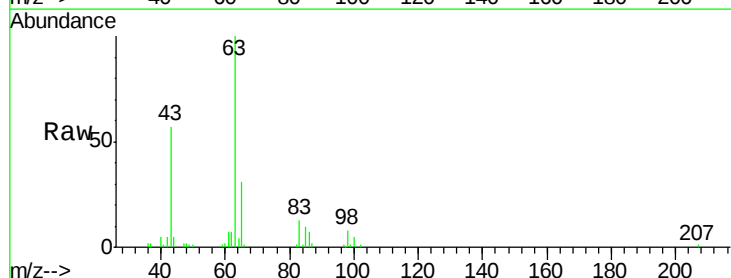
Tgt Ion: 63 Resp: 99145

Ion Ratio Lower Upper

63 100

98 8.4 3.5 10.5

100 5.2 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

40000

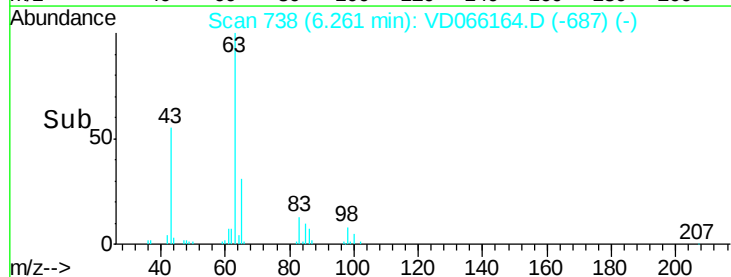
30000

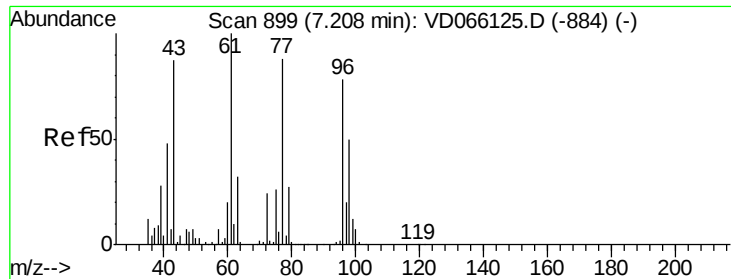
20000

10000

0

Time-->





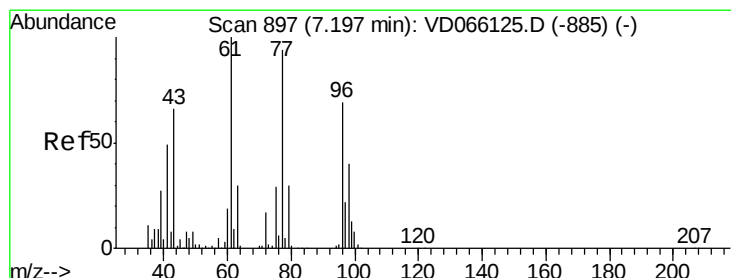
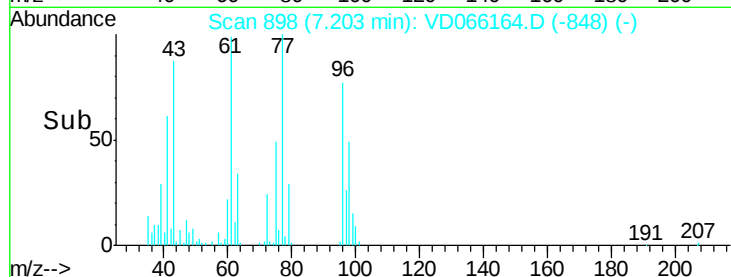
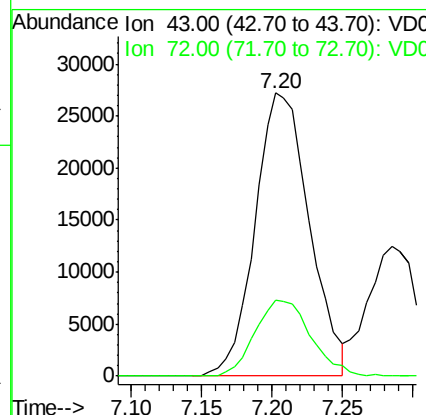
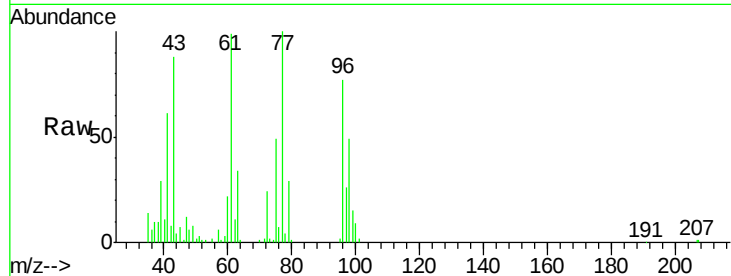
#25
2-Butanone
Concen: 90.762 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD066164.D
Acq: 10 Aug 2020 15:06

Instrument :
MSVOA_D
ClientSampleId :
VD0810SBS01

Tot Ion: 43 Resp: 72965
Ion Ratio Lower Upper
43 100
72 26.8 22.2 33.2

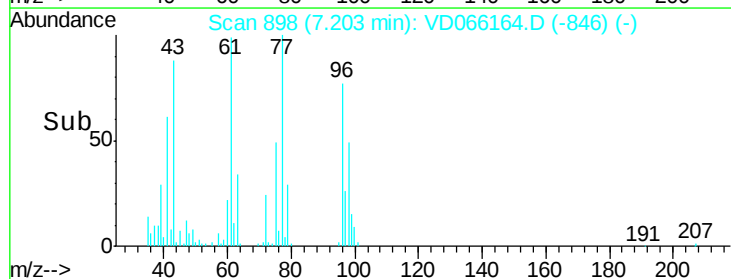
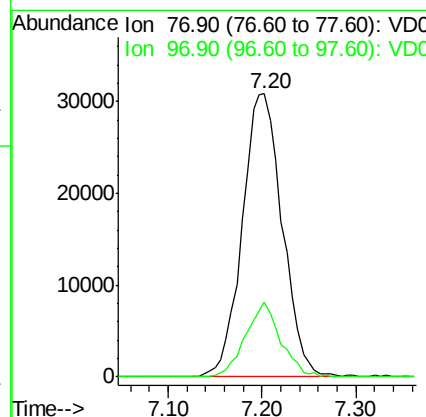
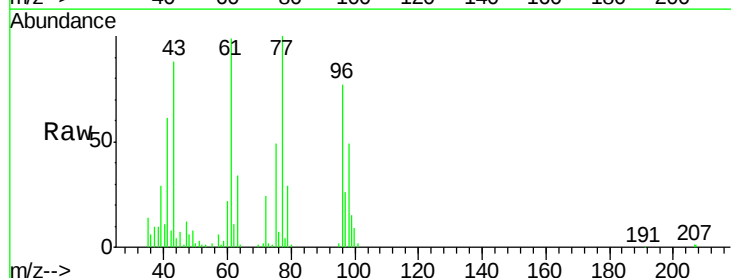
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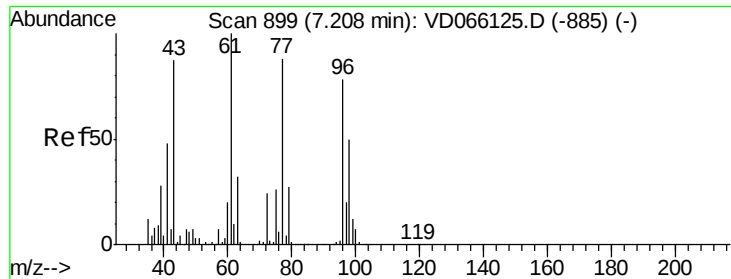
MMDadoda
8/11/2020 3:19:25 PM



#26
2,2-Dichloropropane
Concen: 19.122 ug/l
RT: 7.20 min Scan# 898
Delta R.T. 0.01 min
Lab File: VD066164.D
Acq: 10 Aug 2020 15:06

Tgt Ion: 77 Resp: 90864
Ion Ratio Lower Upper
77 100
97 23.1 11.8 35.3





#27

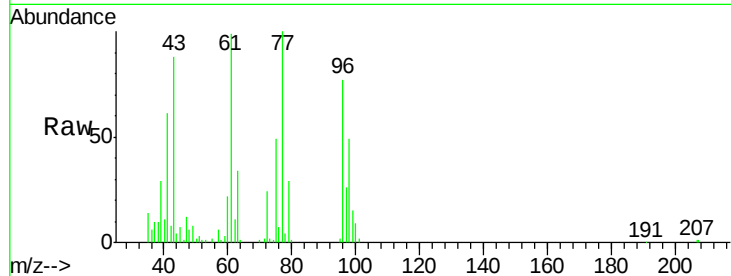
cis-1,2-Dichloroethene
 Concen: 18.182 ug/l
 RT: 7.20 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VD066164.D
 Acq: 10 Aug 2020 15:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0810SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.8	0.0	281.6
98	65.1	0.0	130.8

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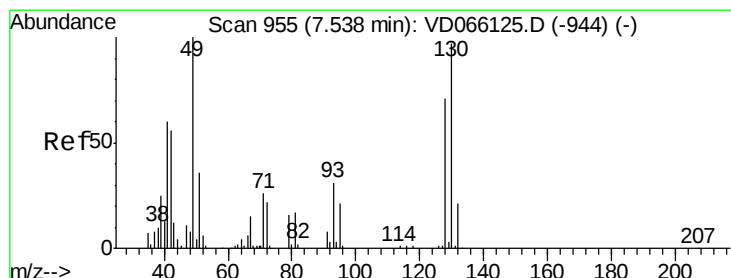
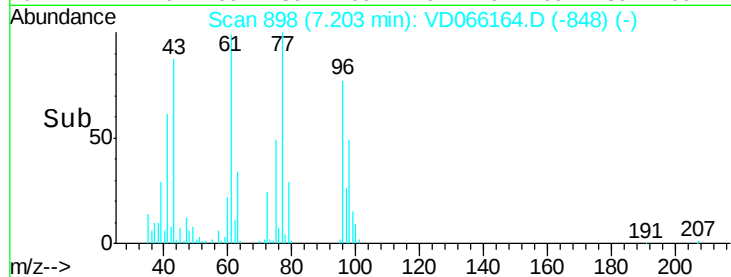
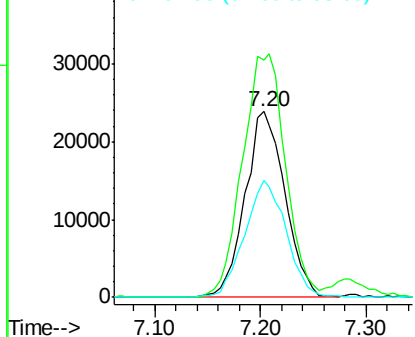


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

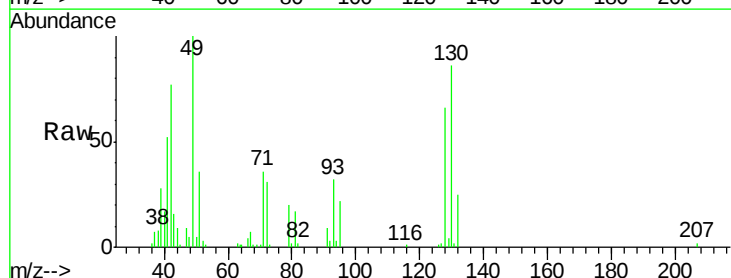
Ion 97.90 (97.60 to 98.60): VDC



#28

Bromochloromethane
 Concen: 22.602 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. 0.01 min
 Lab File: VD066164.D
 Acq: 10 Aug 2020 15:06

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	6.0
130	88.7	73.8	110.6

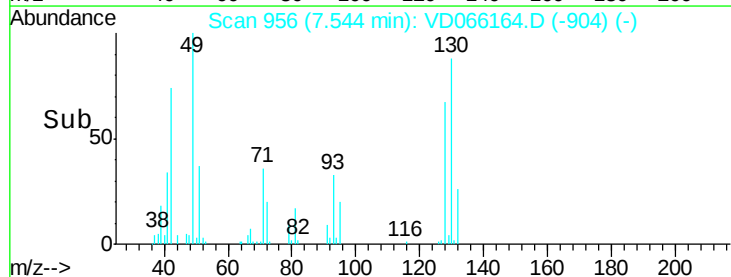
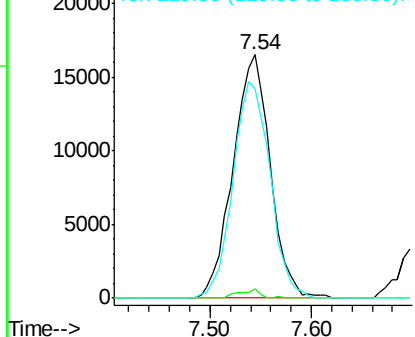


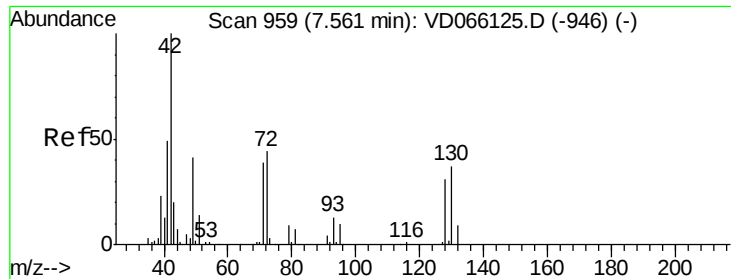
Abundance

Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





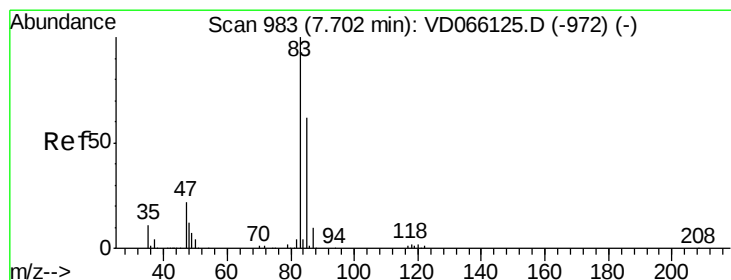
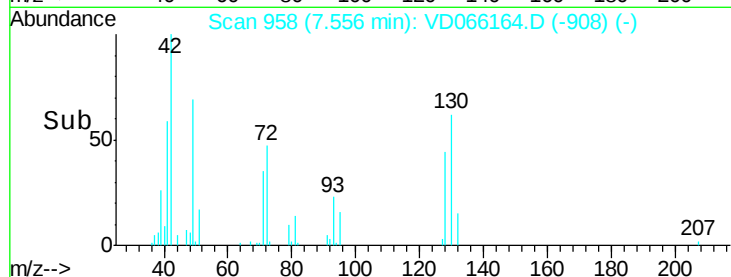
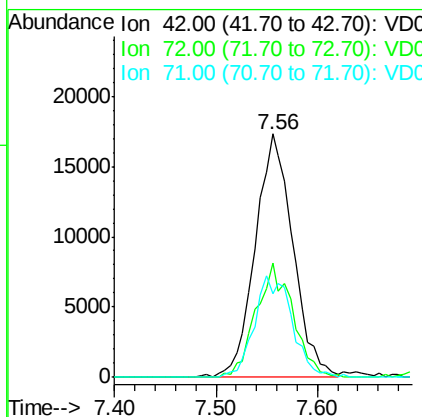
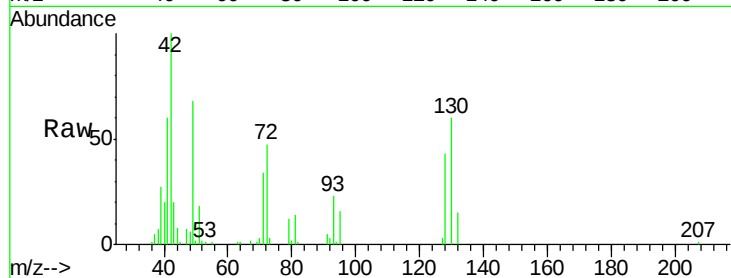
#29
Tetrahydrofuran
Concen: 89.946 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066164.D
Acq: 10 Aug 2020 15:06

Instrument :
MSVOA_D
ClientSampleId :
VD0810SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.0	34.8	52.2
71	41.6	33.5	50.3

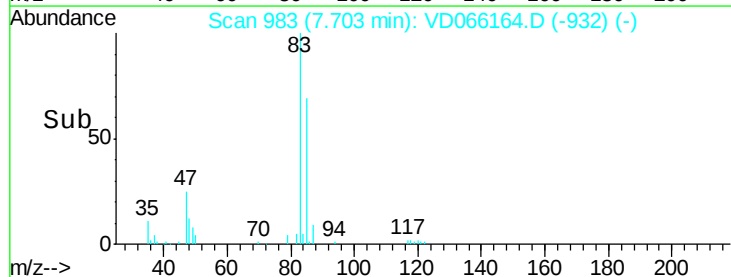
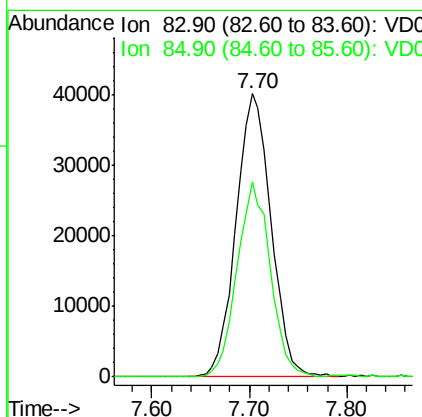
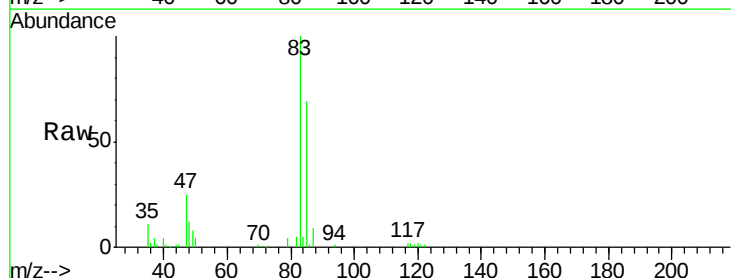
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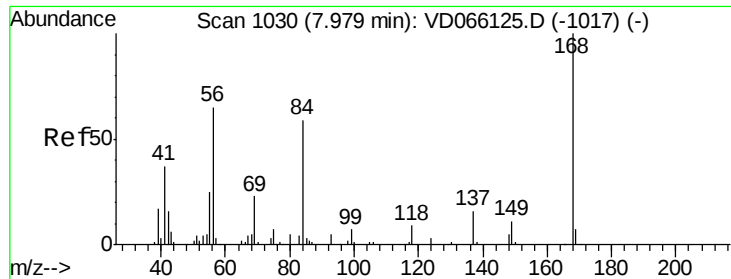
MMDadoda
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#30
Chloroform
Concen: 18.097 ug/l
RT: 7.70 min Scan# 983
Delta R.T. 0.00 min
Lab File: VD066164.D
Acq: 10 Aug 2020 15:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.8	49.5	74.3





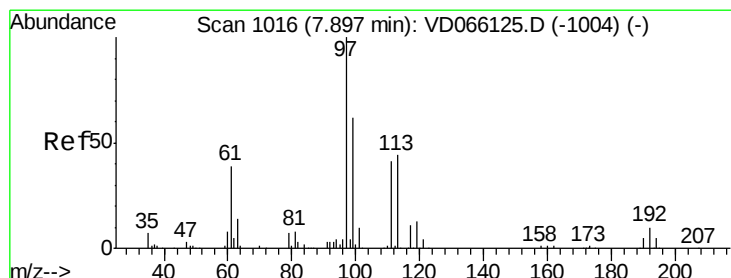
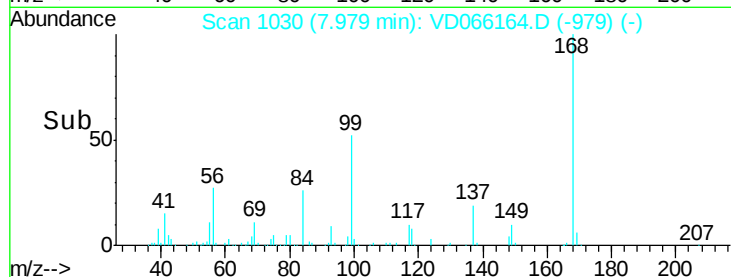
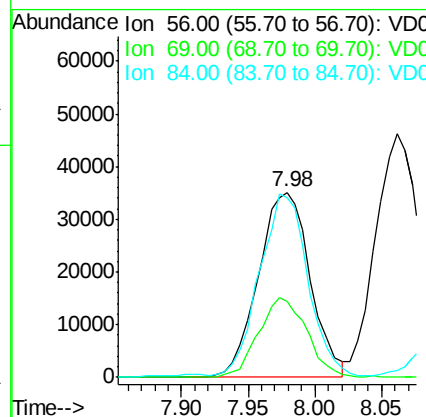
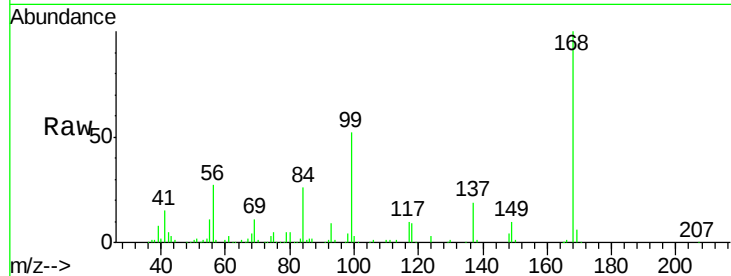
#31
Cyclohexane
Concen: 18.657 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066164.D
Acq: 10 Aug 2020 15:06

Instrument :
MSVOA_D
ClientSampleId :
VD0810SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	41.1	28.8	43.2
84	94.8	73.0	109.6

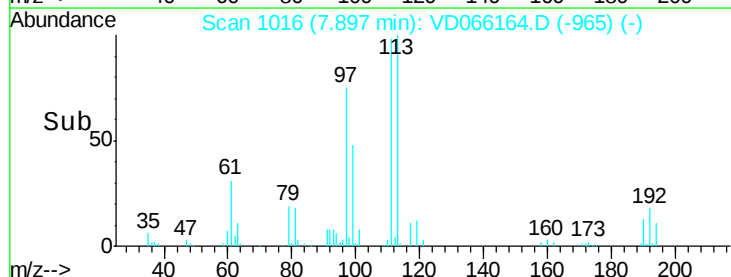
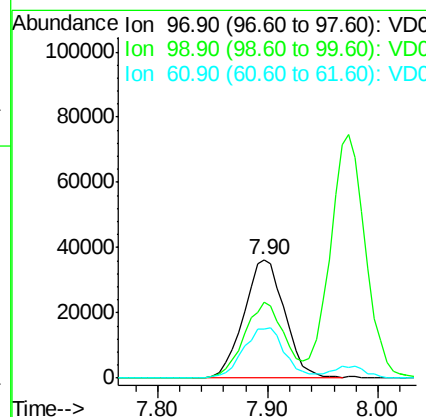
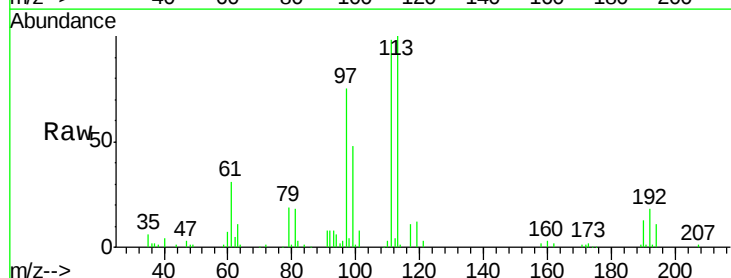
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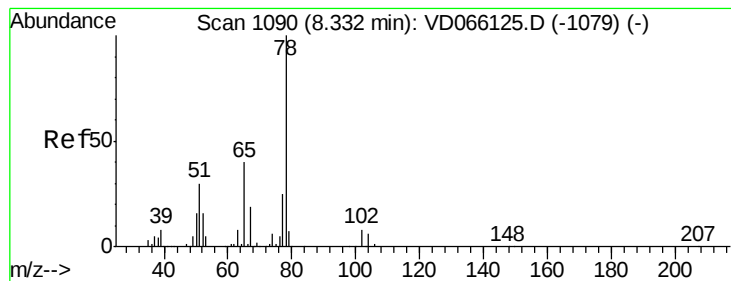
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 18.098 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VD066164.D
Acq: 10 Aug 2020 15:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.1	76.7
61	42.7	32.7	49.1





#33

1,2-Dichloroethane-d4

Concen: 51.483 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066164.D

Acq: 10 Aug 2020 15:06

Instrument :

MSVOA_D

ClientSampleId :

VD0810SBS01

Tot Ion: 65 Resp: 148304

Ion Ratio Lower Upper

65 100

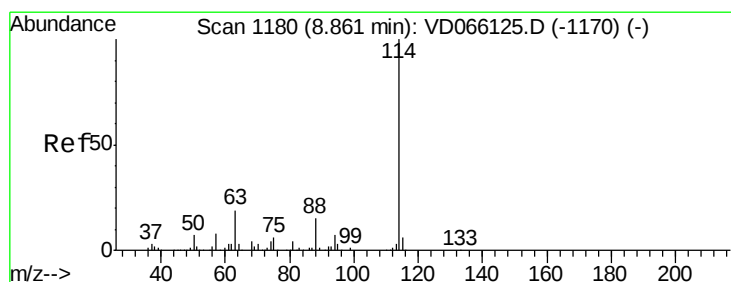
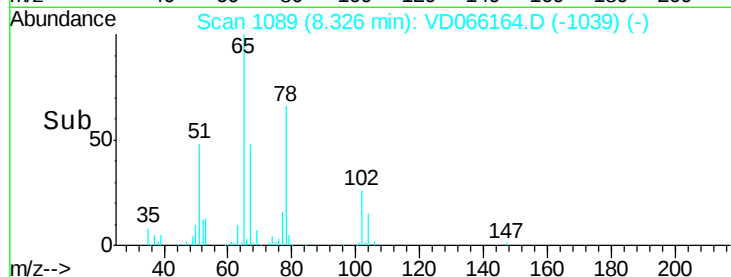
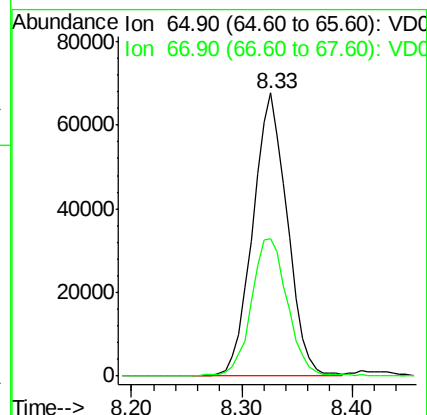
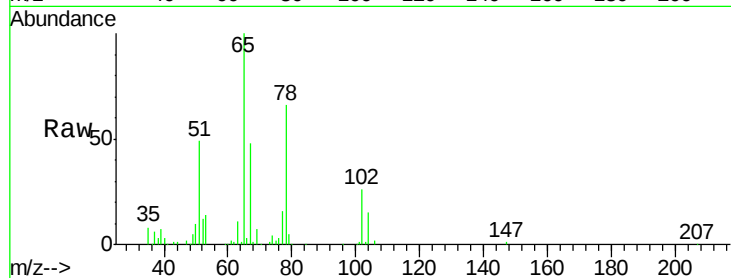
67 50.9 0.0 104.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066164.D

Acq: 10 Aug 2020 15:06

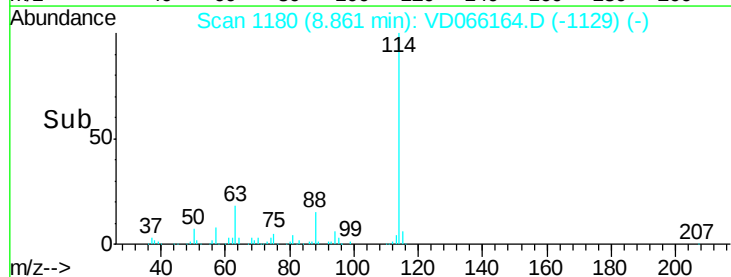
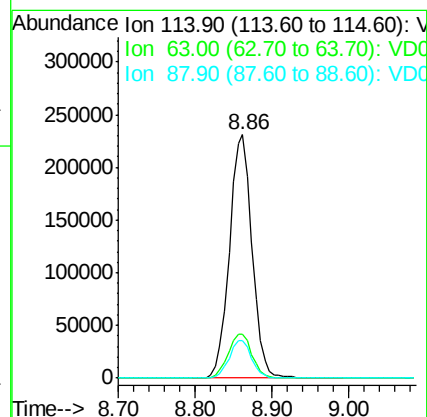
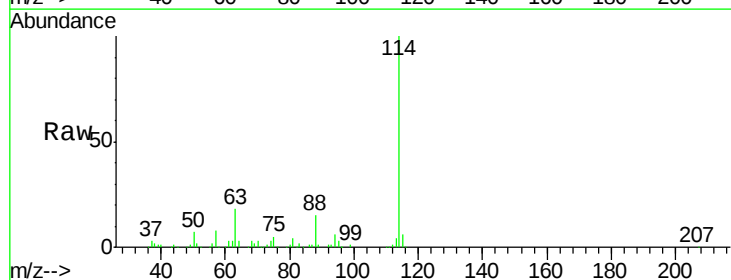
Tgt Ion: 114 Resp: 471900

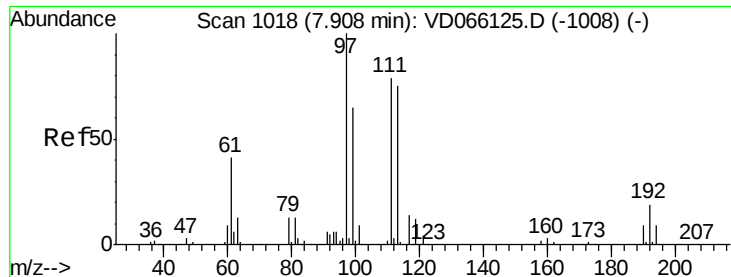
Ion Ratio Lower Upper

114 100

63 18.1 0.0 38.6

88 15.4 0.0 30.0





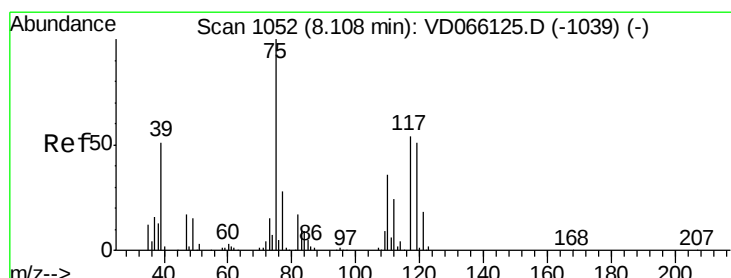
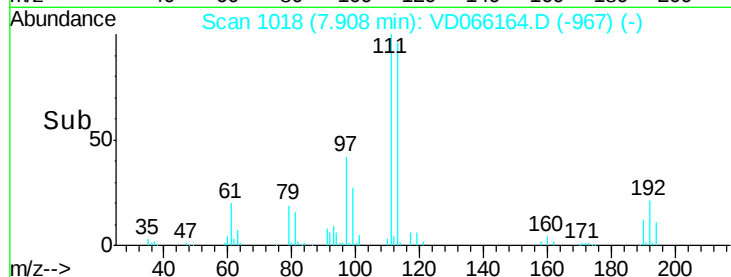
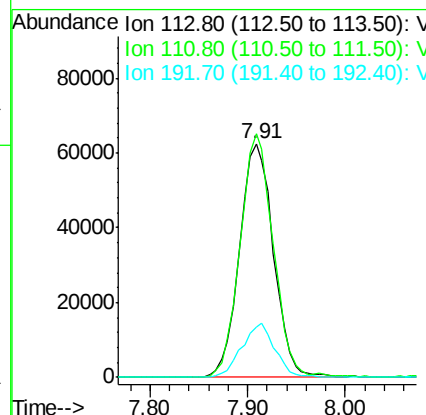
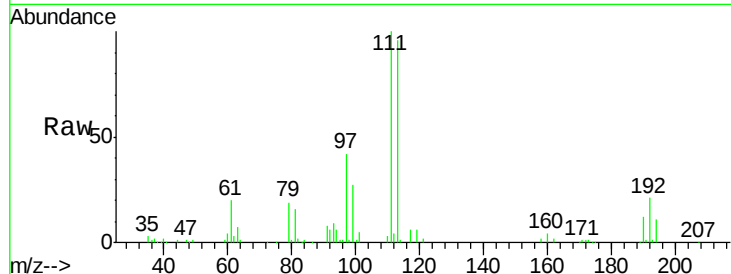
#35
 Dibromofluoromethane
 Concen: 50.587 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066164.D
 Acq: 10 Aug 2020 15:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0810SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	151227		
111	102.2	80.7	121.1	
192	22.3	18.4	27.6	

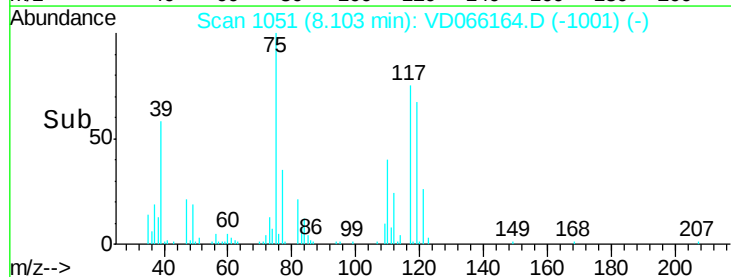
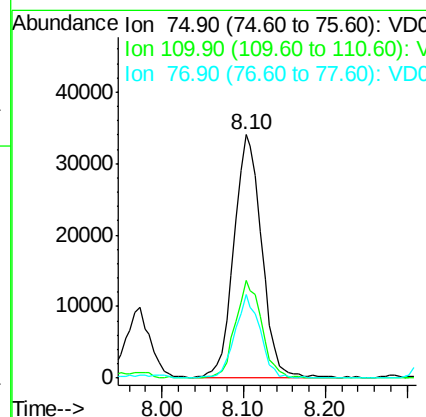
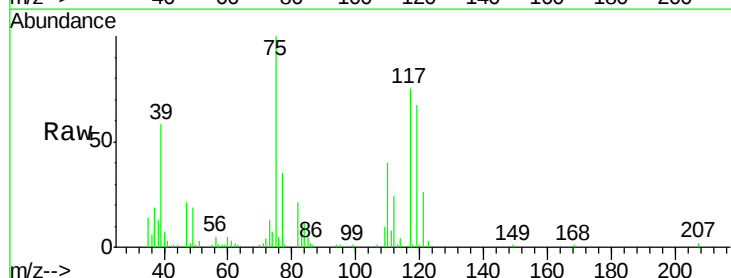
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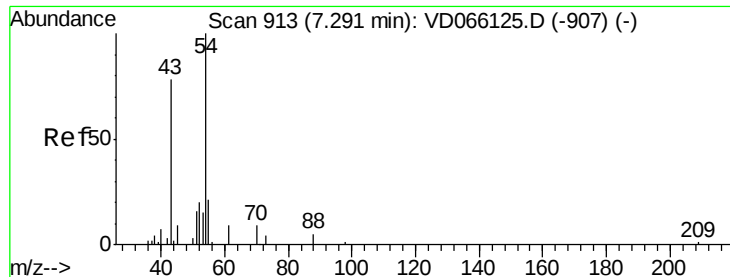
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#36
 1,1-Dichloropropene
 Concen: 18.224 ug/l
 RT: 8.10 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VD066164.D
 Acq: 10 Aug 2020 15:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	80814		
110	37.5	18.8	56.3	
77	30.9	24.2	36.2	





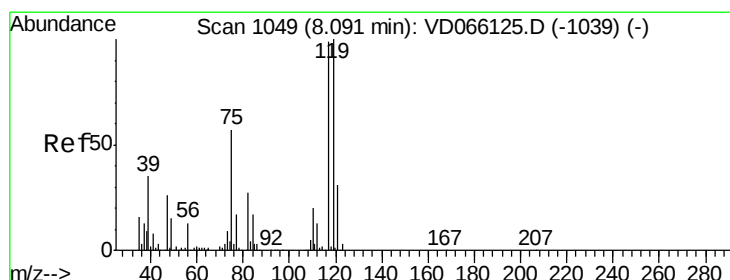
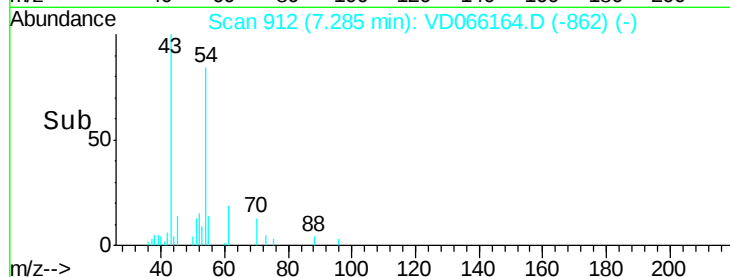
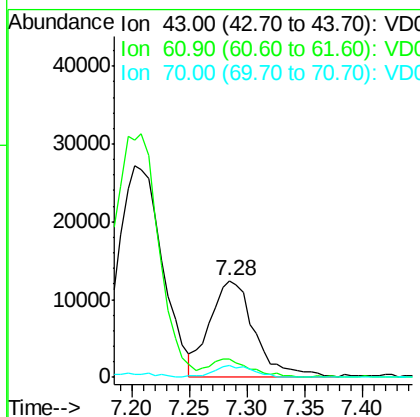
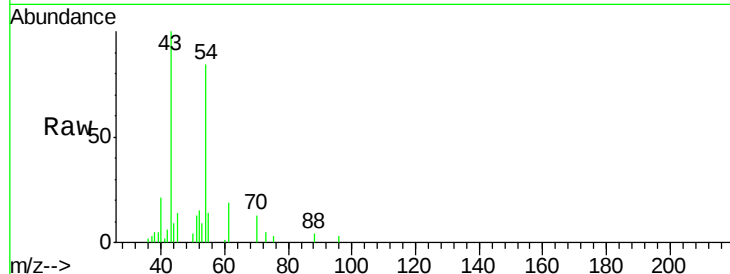
#37
Ethyl Acetate
Concen: 19.177 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066164.D
Acq: 10 Aug 2020 15:06

Instrument :
MSVOA_D
ClientSampleId :
VD0810SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.1	12.0	18.0
70	10.6	9.7	14.5

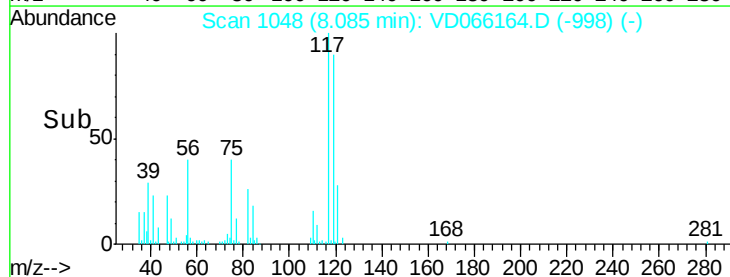
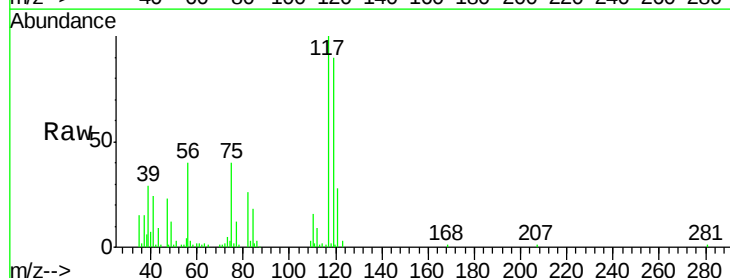
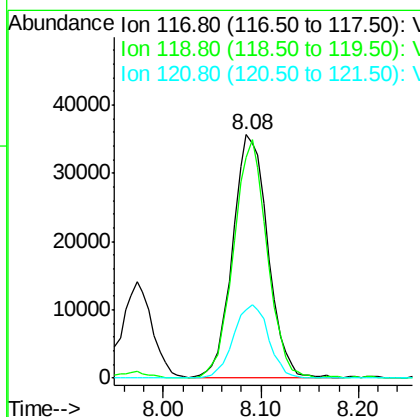
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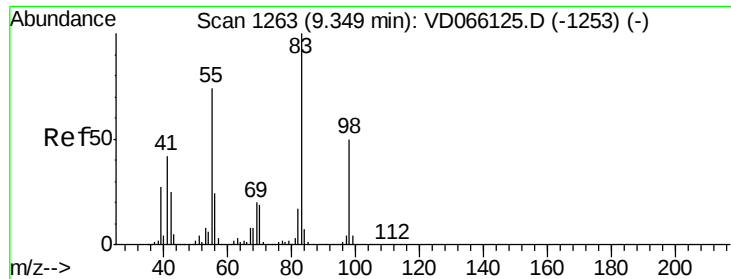
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.177 ug/l
RT: 8.08 min Scan# 1048
Delta R.T. -0.01 min
Lab File: VD066164.D
Acq: 10 Aug 2020 15:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.4	81.0	121.4
121	27.8	24.8	37.2





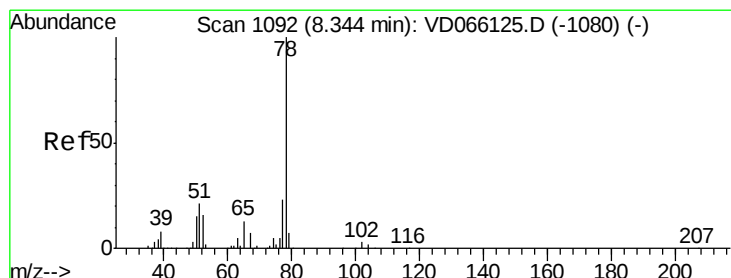
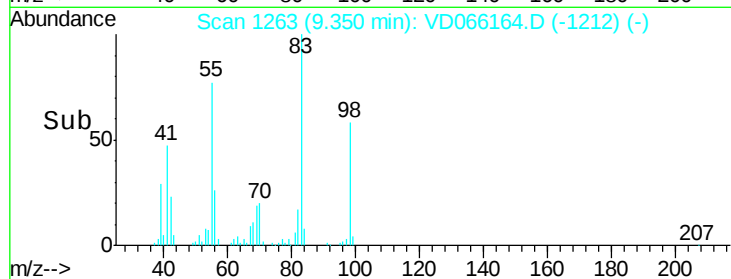
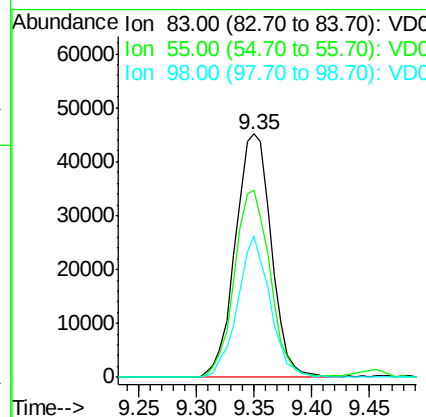
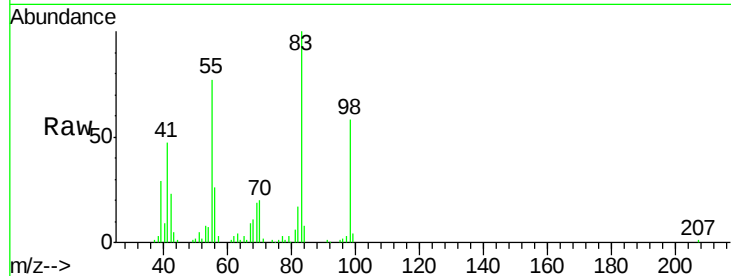
#39
Methvlcvclohexane
Concen: 18.148 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066164.D
Acq: 10 Aug 2020 15:06

Instrument :
MSVOA_D
ClientSampleId :
VD0810SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	97284		
55	76.8		59.2	88.8
98	57.8		39.8	59.6

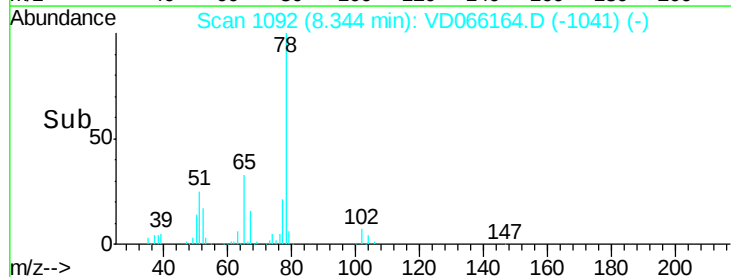
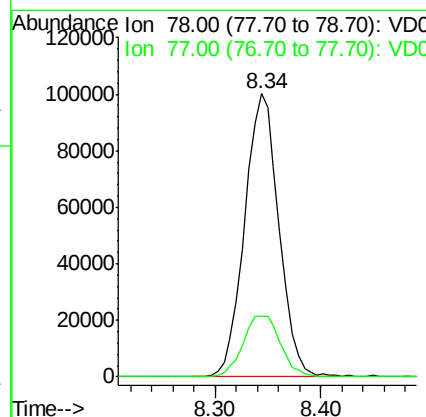
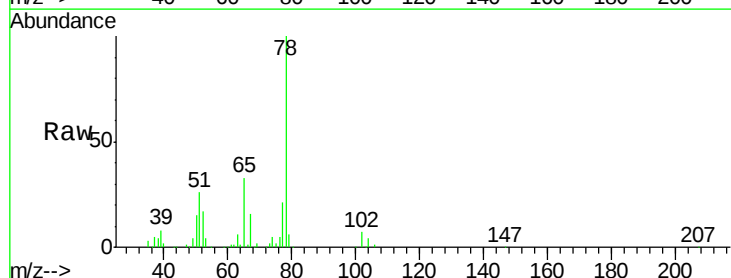
Manual Integrations
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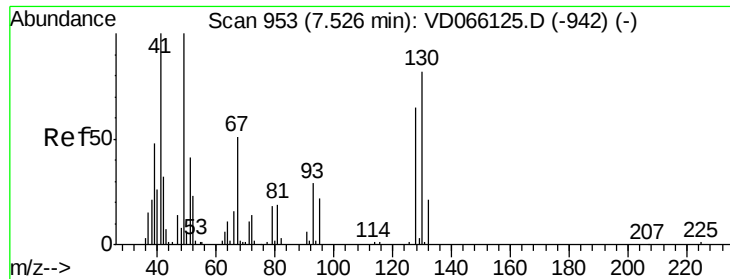
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#40
Benzene
Concen: 18.325 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066164.D
Acq: 10 Aug 2020 15:06

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	225424		
77	21.3		18.6	27.8





#41

Methacrylonitrile

Concen: 18.198 ug/l m

RT: 7.53 min Scan# 953

Delta R.T. 0.00 min

Lab File: VD066164.D

Acq: 10 Aug 2020 15:06

Instrument :

MSVOA_D

ClientSampleId :

VD0810SBS01

Tot Ion: 41 Resp: 18800

Ion Ratio Lower Upper

41 100

39 51.7 47.5 71.3

67 71.6 59.1 88.7

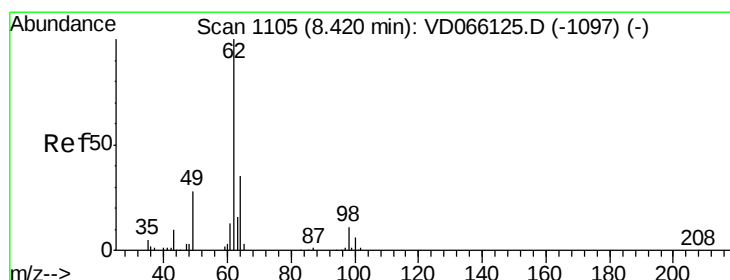
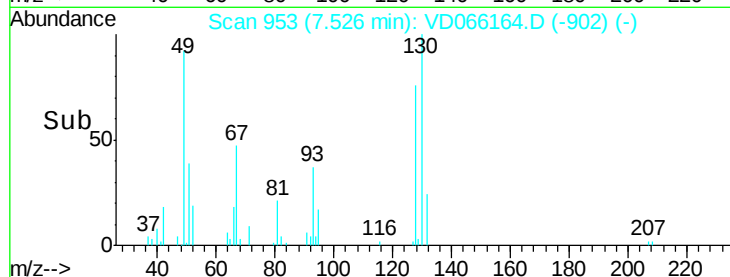
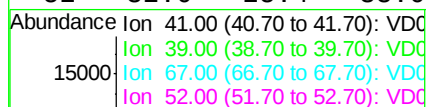
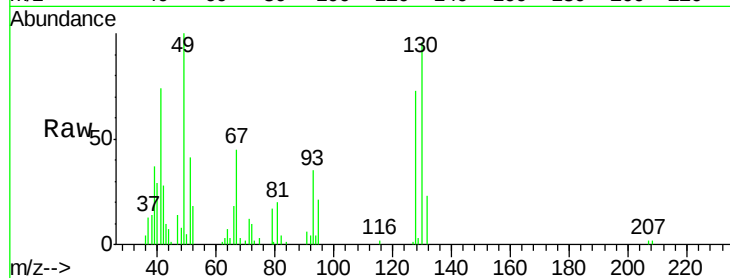
52 32.0 25.4 38.0

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 17.883 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VD066164.D

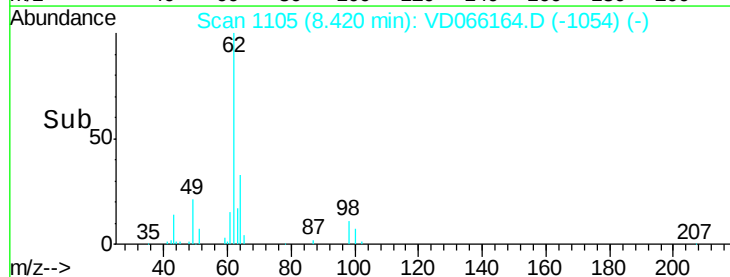
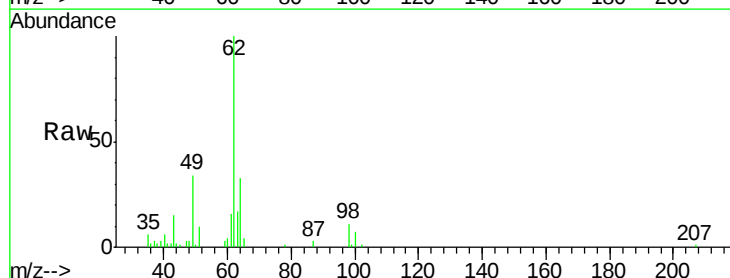
Acq: 10 Aug 2020 15:06

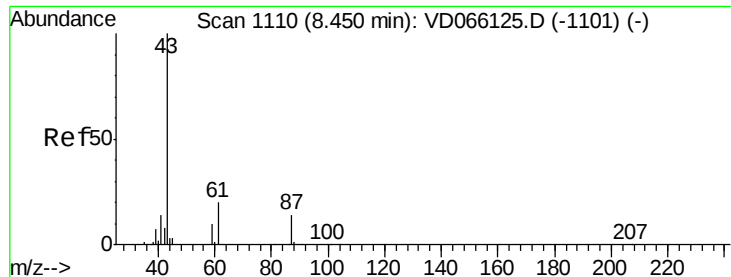
Tgt Ion: 62 Resp: 64626

Ion Ratio Lower Upper

62 100

98 9.8 0.0 20.4





#43

Isopropyl Acetate

Concen: 17.674 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066164.D

Acq: 10 Aug 2020 15:06

Instrument :

MSVOA_D

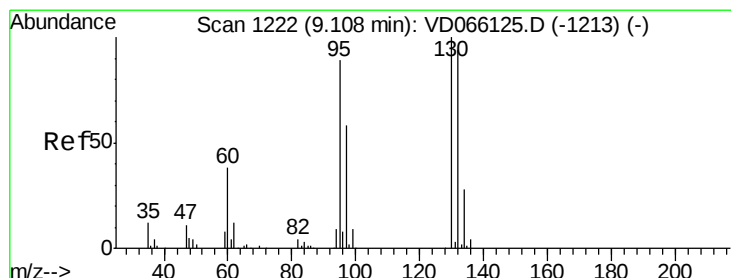
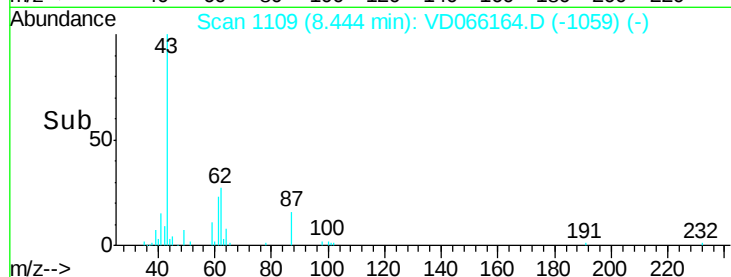
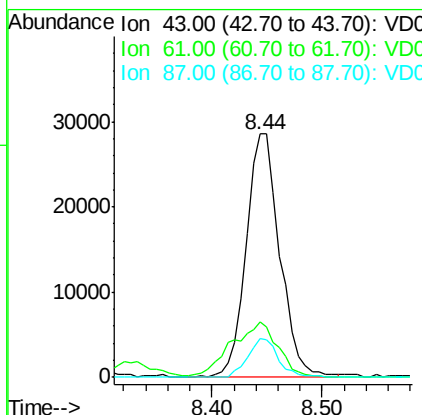
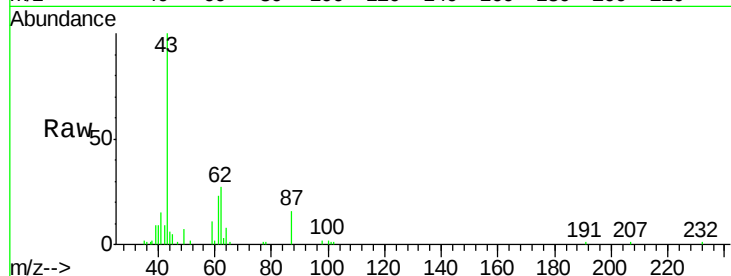
ClientSampleId :

VD0810SBS01

Tot Ion:	43	Resp:	61182
Ion	Ratio	Lower	Upper
43	100		
61	31.5	25.5	38.3
87	14.5	11.2	16.8

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#44

Trichloroethene

Concen: 18.000 ug/l

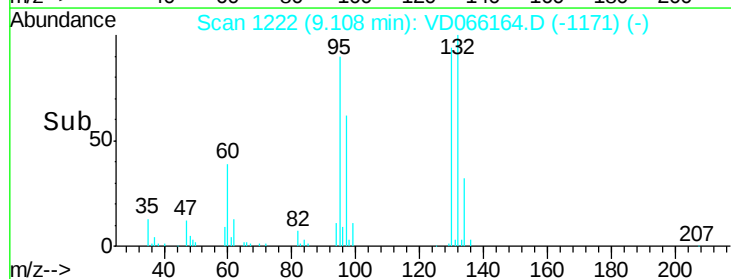
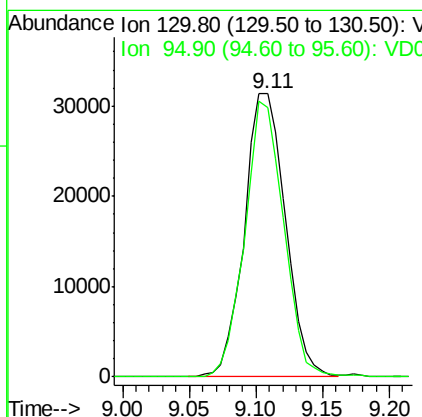
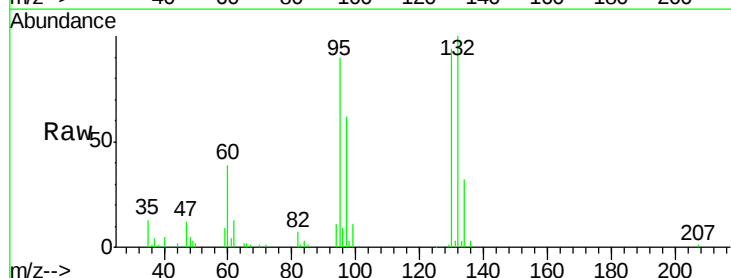
RT: 9.11 min Scan# 1222

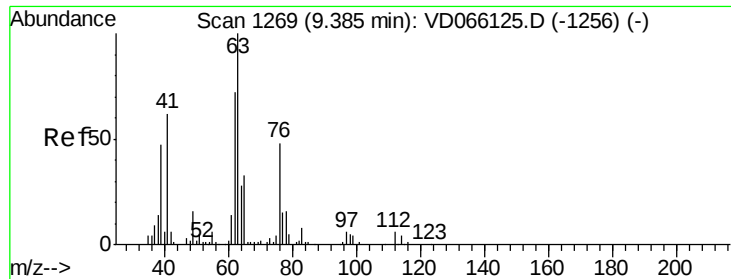
Delta R.T. 0.00 min

Lab File: VD066164.D

Acq: 10 Aug 2020 15:06

Tgt Ion:	130	Resp:	66722
Ion	Ratio	Lower	Upper
130	100		
95	95.0	0.0	178.4





#45

1,2-Dichloropropane

Concen: 18.758 ug/l

RT: 9.38 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VD066164.D

Acq: 10 Aug 2020 15:06

Instrument :

MSVOA_D

ClientSampleId :

VD0810SBS01

Tot Ion: 63 Resp: 56435

Ion Ratio Lower Upper

63 100

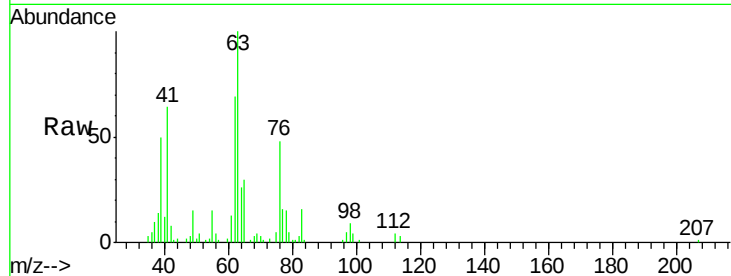
65 29.9 26.5 39.7

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.38

25000

20000

15000

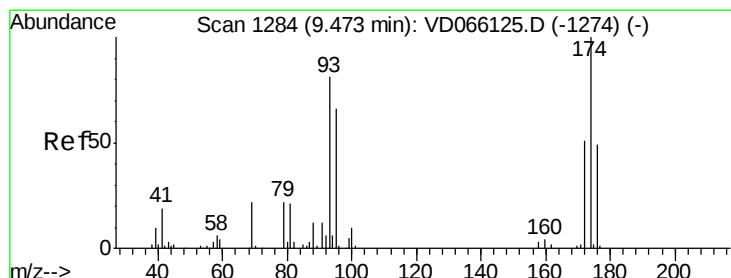
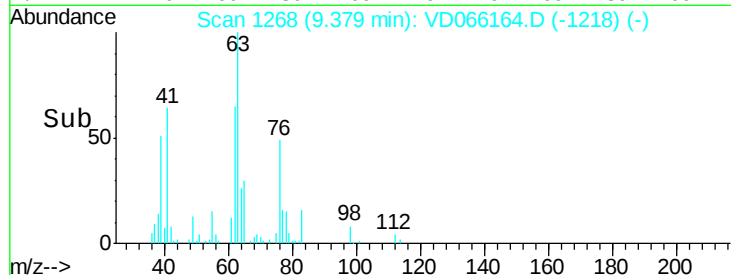
10000

5000

0

9.30 9.40 9.50

Time-->



#46

Dibromomethane

Concen: 18.752 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066164.D

Acq: 10 Aug 2020 15:06

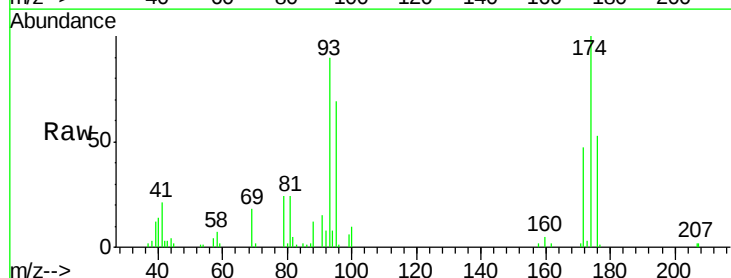
Tgt Ion: 93 Resp: 31076

Ion Ratio Lower Upper

93 100

95 79.1 65.8 98.6

174 112.5 92.8 139.2



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC

20000

15000

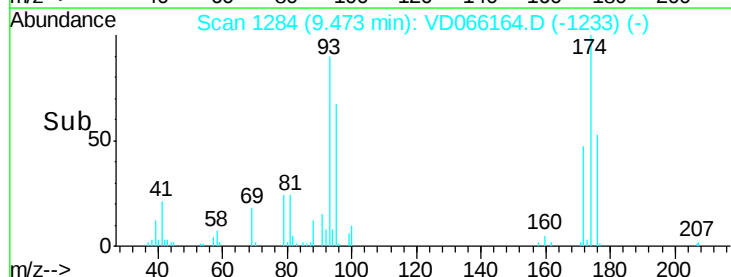
10000

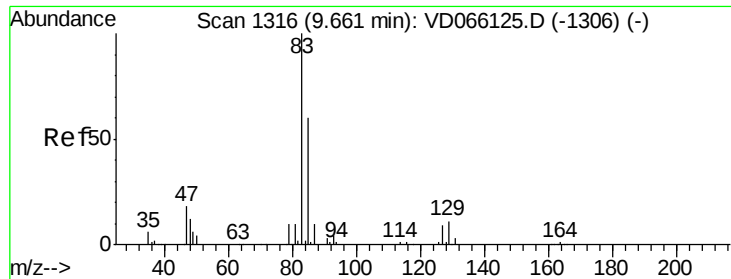
5000

0

9.40 9.45 9.50 9.55

Time-->





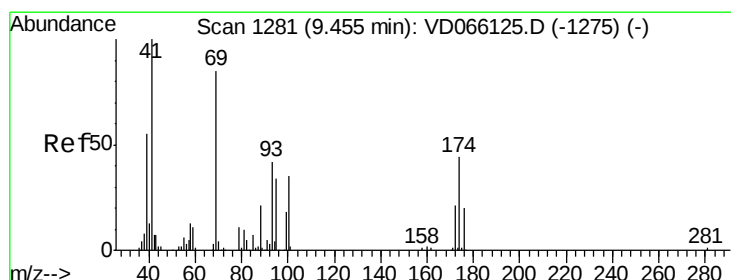
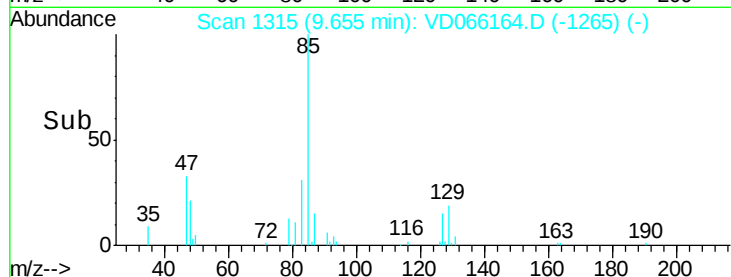
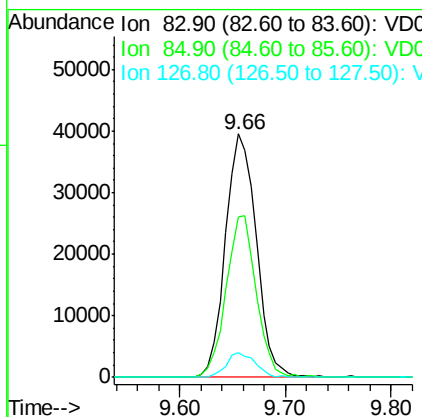
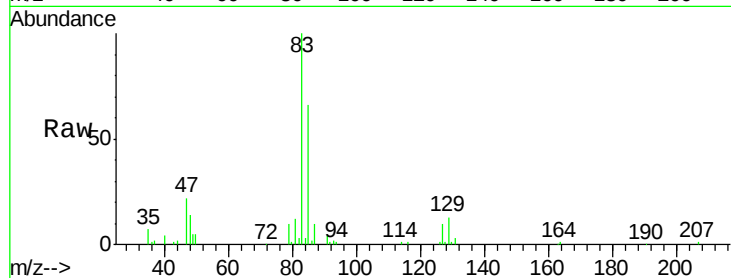
#47
Bromodichloromethane
Concen: 18.222 ug/l
RT: 9.66 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VD066164.D
Acq: 10 Aug 2020 15:06

Instrument :
MSVOA_D
ClientSampleId :
VD0810SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	66.0	48.2	72.4
127	10.2	7.3	10.9

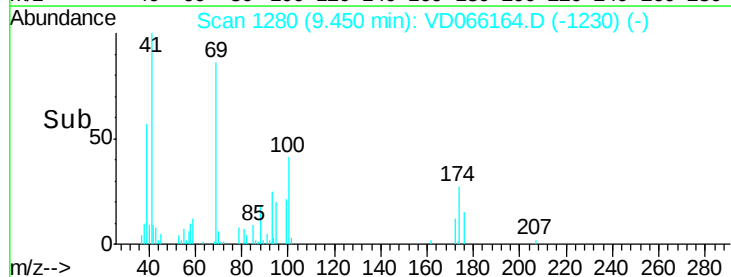
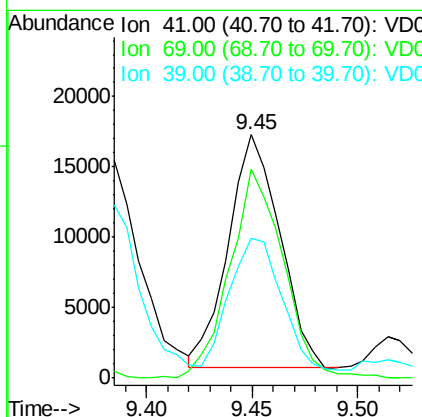
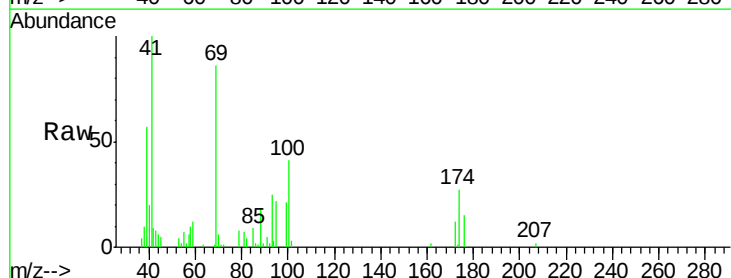
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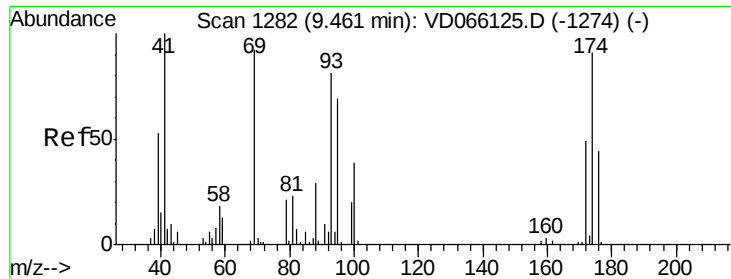
MMDadoda
8/11/2020 3:19:25 PM



#48
Methyl methacrylate
Concen: 15.723 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD066164.D
Acq: 10 Aug 2020 15:06

Tgt Ion	Ratio	Lower	Upper
41	100		
69	94.0	63.9	95.9
39	58.2	42.6	64.0





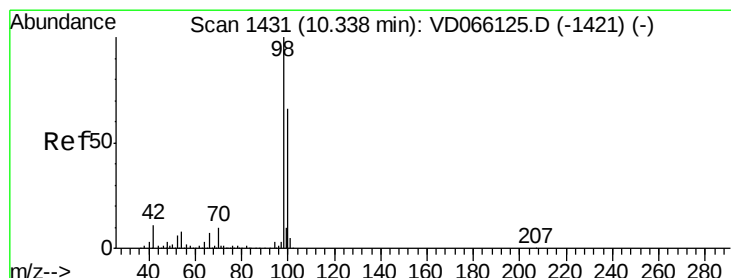
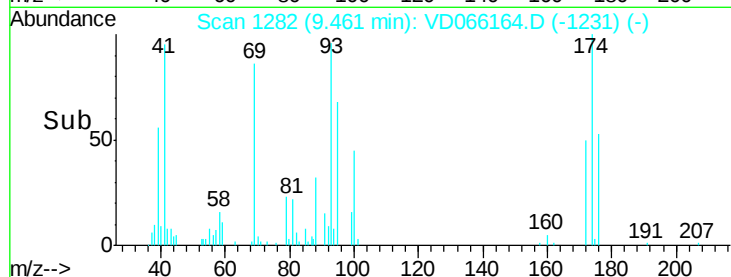
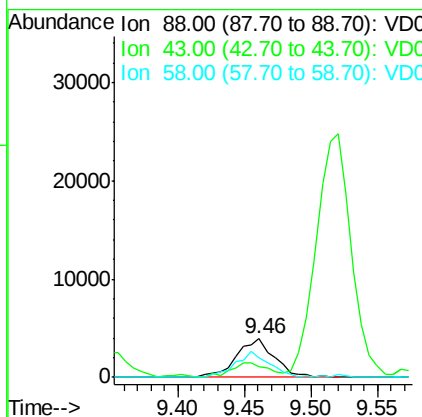
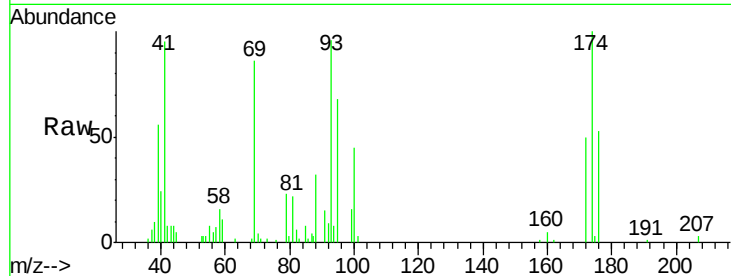
#49
1,4-Dioxane
Concen: 363.391 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD066164.D
Acq: 10 Aug 2020 15:06

Instrument :
MSVOA_D
ClientSampleId :
VD0810SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.0	27.5	41.3
58	60.2	50.2	75.4

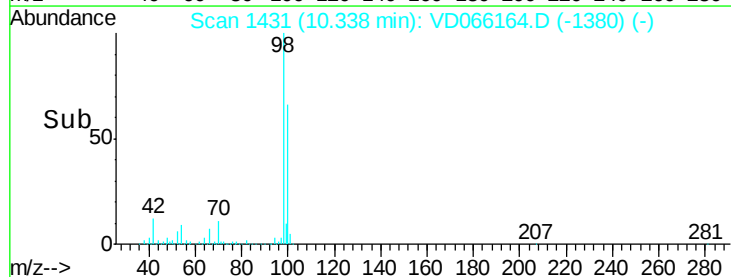
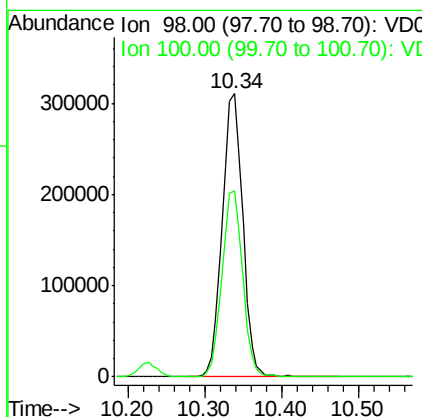
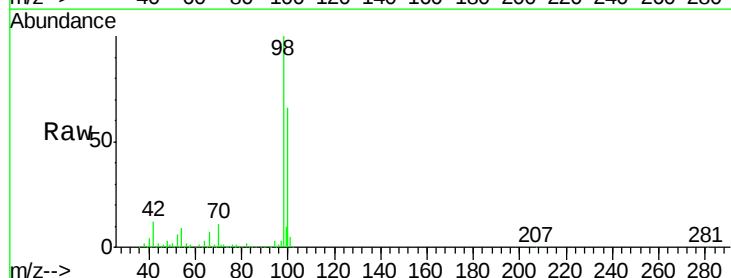
Manual Integrations
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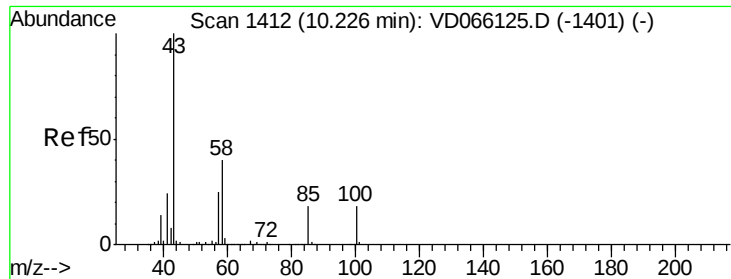
MMDadoda
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#50
Toluene-d8
Concen: 52.384 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066164.D
Acq: 10 Aug 2020 15:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 89.388 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066164.D

Acq: 10 Aug 2020 15:06

Instrument :

MSVOA_D

ClientSampleId :

VD0810SBS01

Tot Ion: 43 Resp: 158946

Ion Ratio Lower Upper

43 100

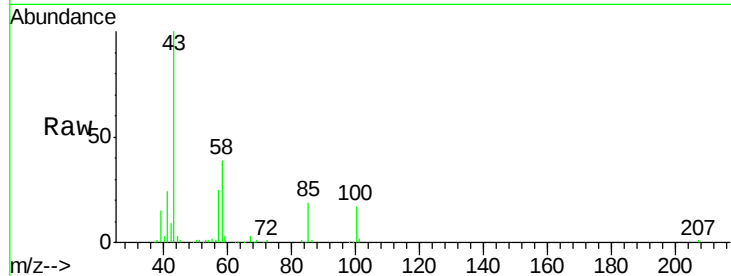
58 39.9 31.1 46.7

Manual Integrations

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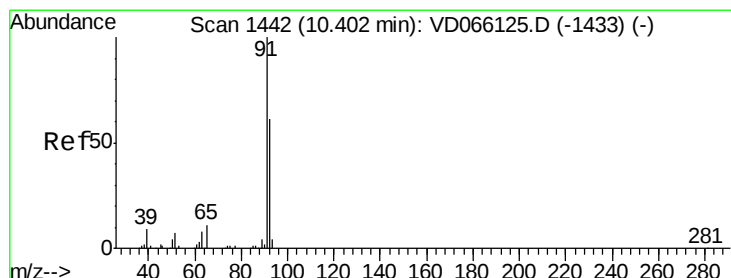
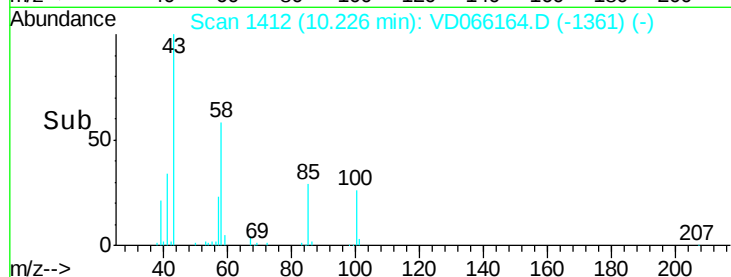
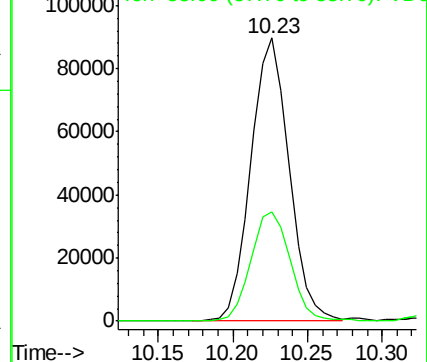
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 18.382 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066164.D

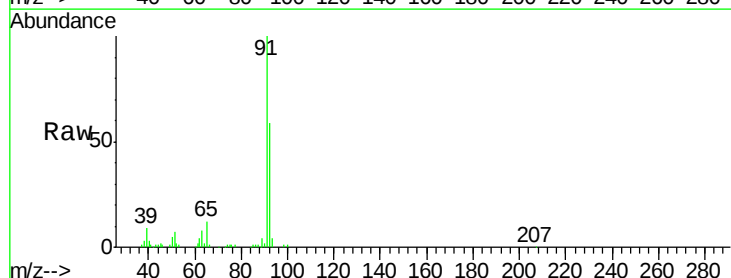
Acq: 10 Aug 2020 15:06

Tgt Ion: 92 Resp: 148792

Ion Ratio Lower Upper

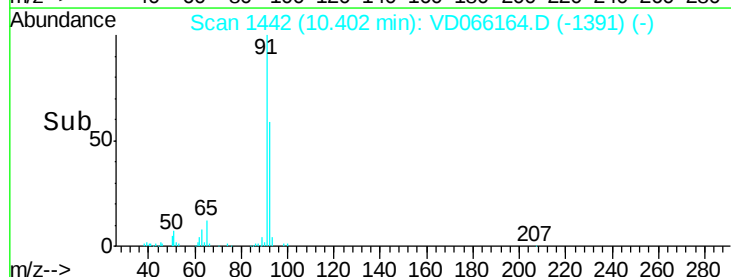
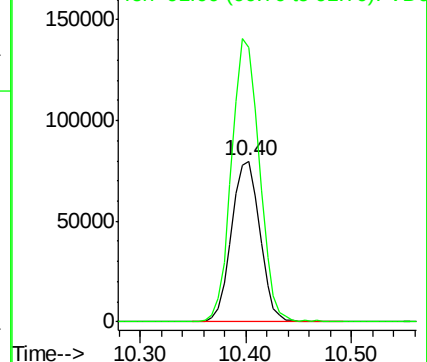
92 100

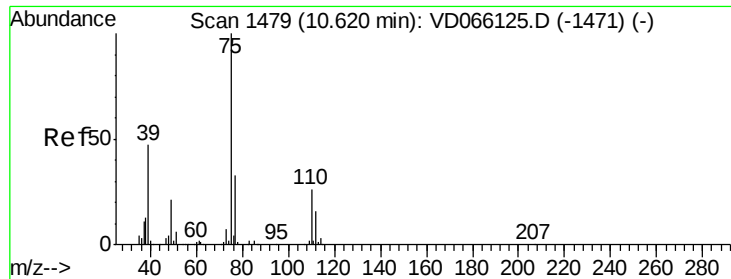
91 172.6 135.2 202.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





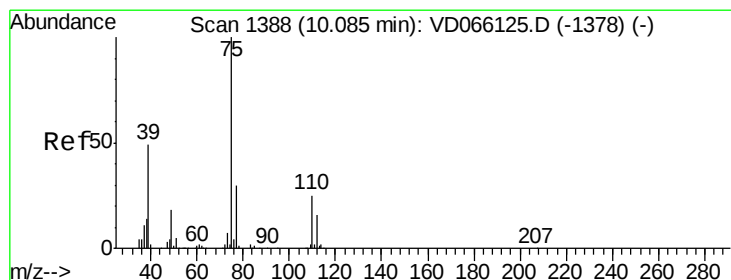
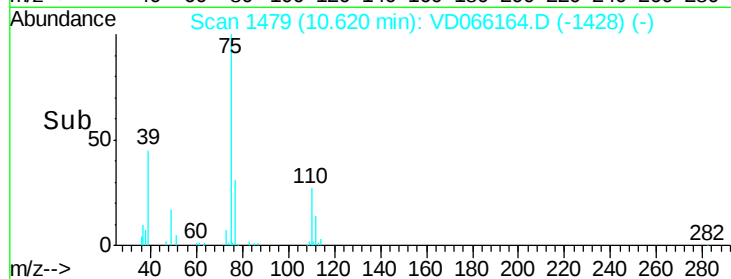
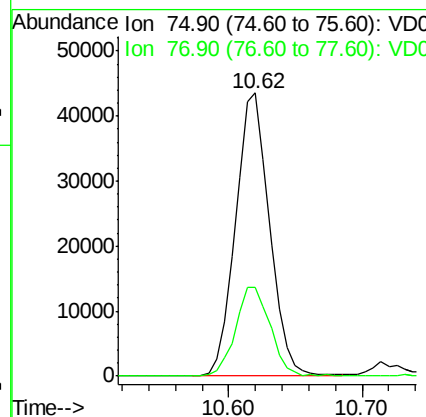
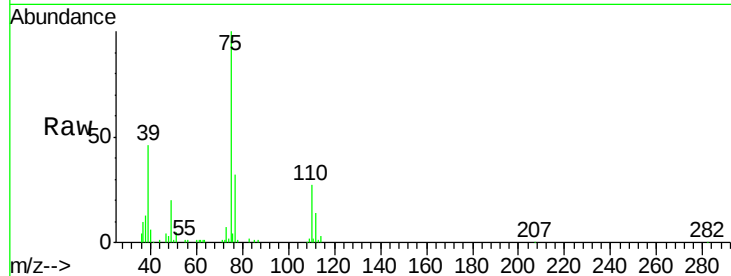
#53
 t-1,3-Dichloropropene
 Concen: 18.546 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD066164.D
 Acq: 10 Aug 2020 15:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0810SBS01

Tot Ion: 75 Resp: 77088
 Ion Ratio Lower Upper
 75 100
 77 31.6 26.2 39.2

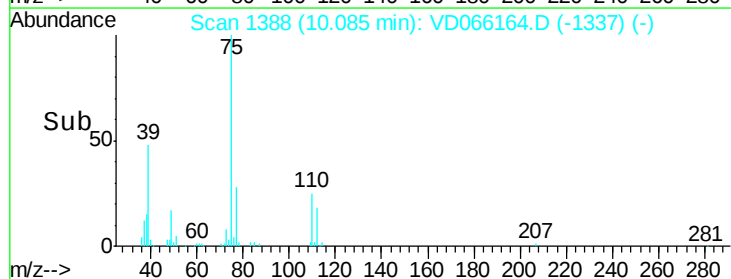
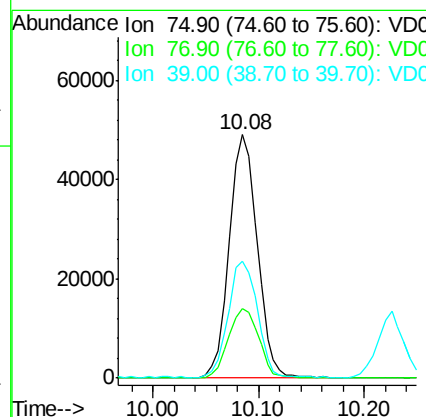
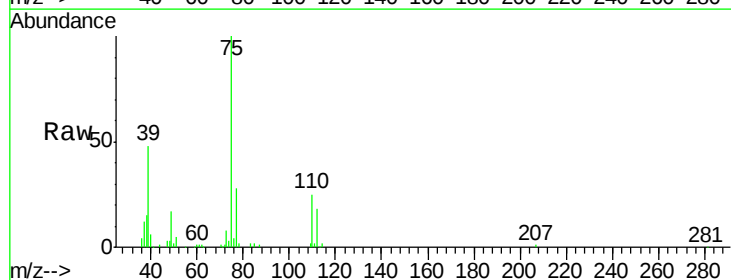
Manual Integrations
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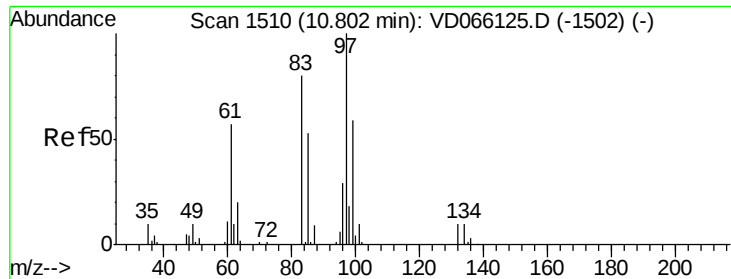
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#54
 cis-1,3-Dichloropropene
 Concen: 18.516 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD066164.D
 Acq: 10 Aug 2020 15:06

Tgt Ion: 75 Resp: 90172
 Ion Ratio Lower Upper
 75 100
 77 28.5 24.3 36.5
 39 48.0 39.3 58.9





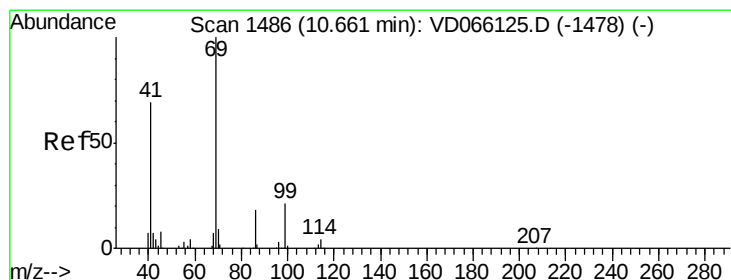
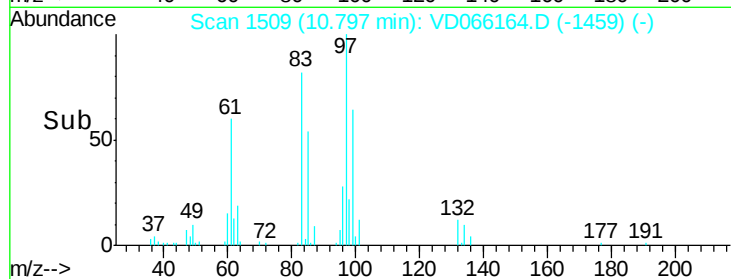
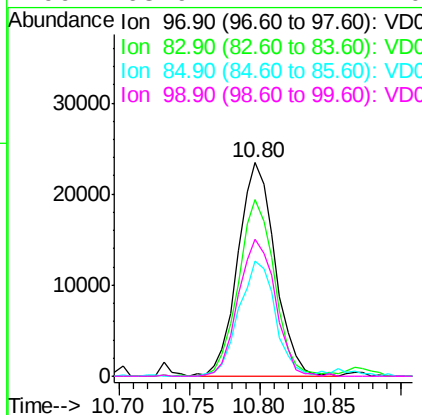
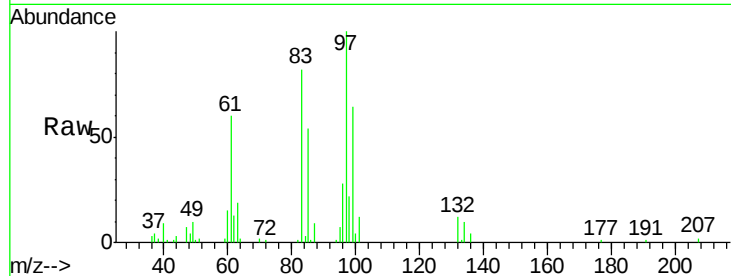
#55
 1,1,2-Trichloroethane
 Concen: 18.161 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066164.D
 Acq: 10 Aug 2020 15:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0810SBS01

Tot Ion:	97	Resp:	43338
Ion	Ratio	Lower	Upper
97	100		
83	82.5	63.9	95.9
85	54.1	42.5	63.7
99	63.9	47.4	71.0

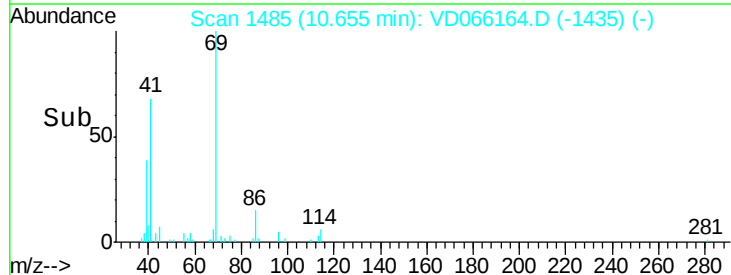
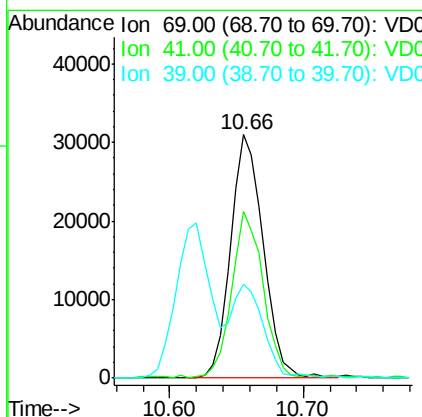
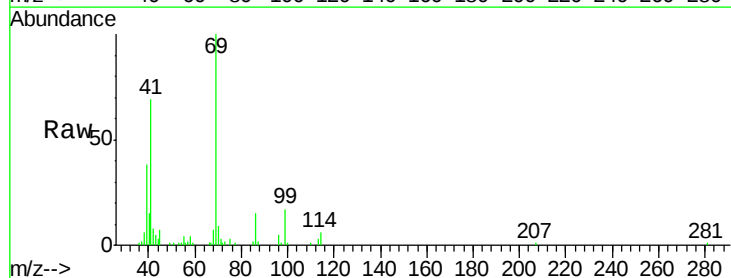
Manual Integrations
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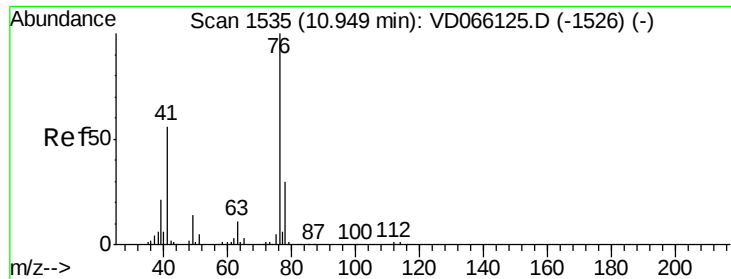
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#56
 Ethyl methacrylate
 Concen: 18.366 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066164.D
 Acq: 10 Aug 2020 15:06

Tgt Ion:	69	Resp:	52648
Ion	Ratio	Lower	Upper
69	100		
41	66.3	54.1	81.1
39	39.3	28.6	43.0





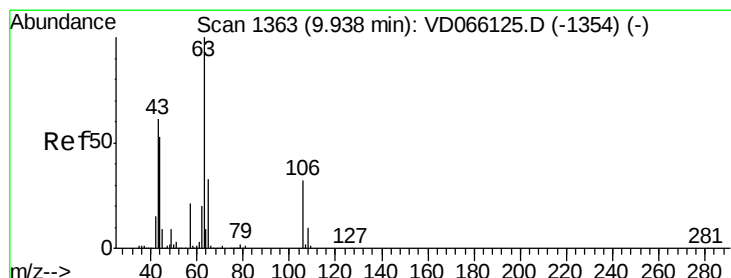
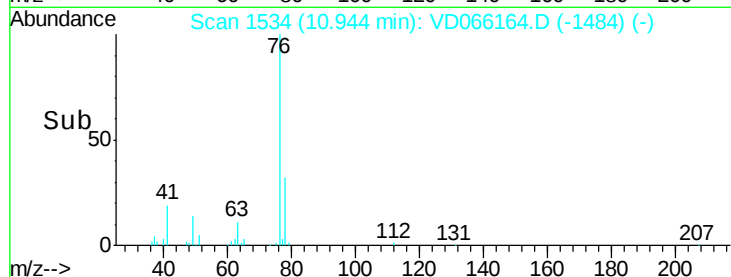
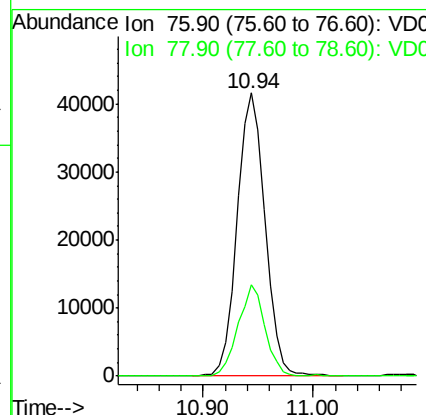
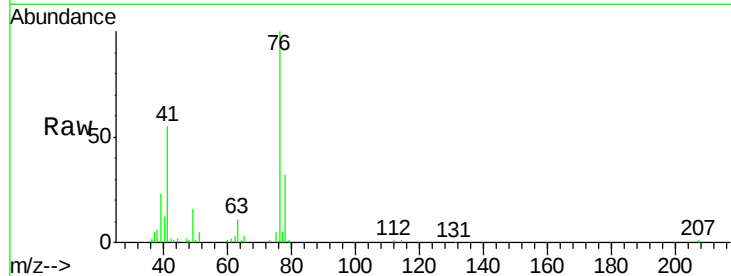
#57
 1,3-Dichloropropane
 Concen: 18.638 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VD066164.D
 Acq: 10 Aug 2020 15:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0810SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.3	25.5	38.3

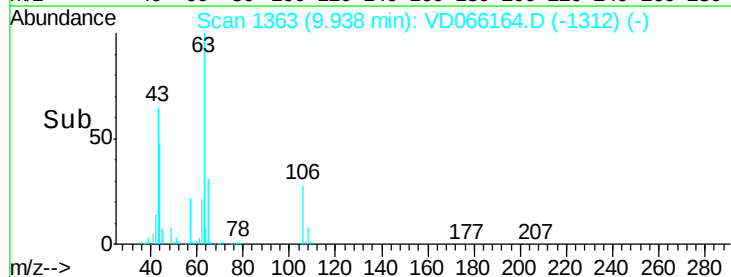
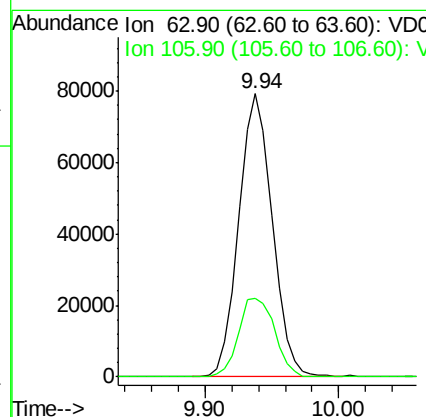
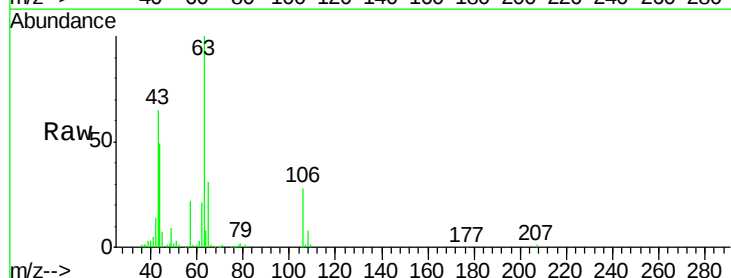
Manual Integrations
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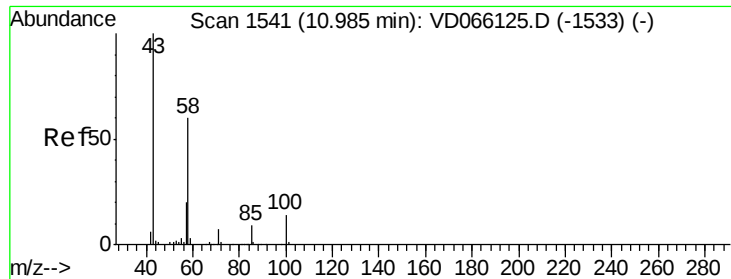
MMDadoda
 8/11/2020 3:19:25 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.021 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066164.D
 Acq: 10 Aug 2020 15:06

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.2	25.3	37.9





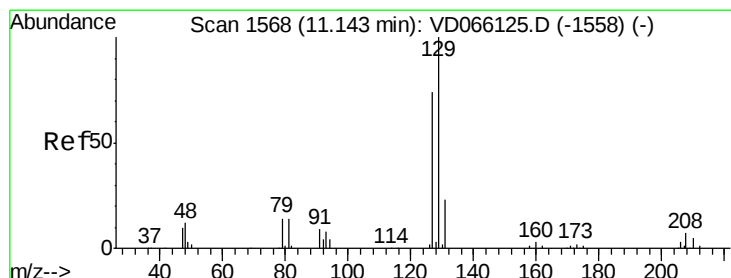
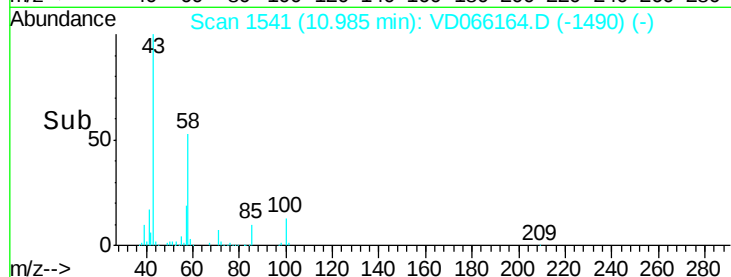
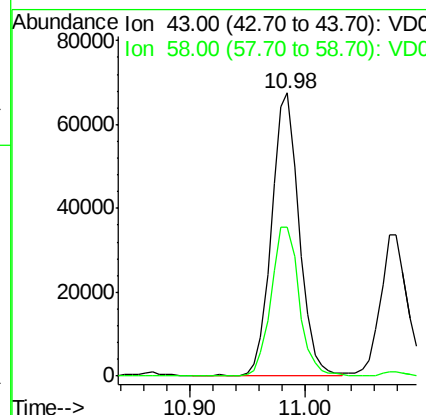
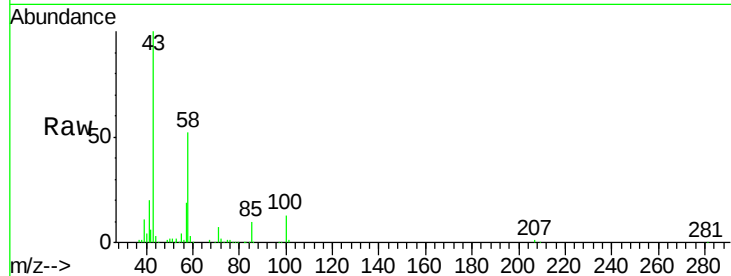
#59
2-Hexanone
Concen: 90.351 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066164.D
Acq: 10 Aug 2020 15:06

Instrument :
MSVOA_D
ClientSampleId :
VD0810SBS01

Tot Ion: 43 Resp: 112753
Ion Ratio Lower Upper
43 100
58 53.8 27.8 83.4

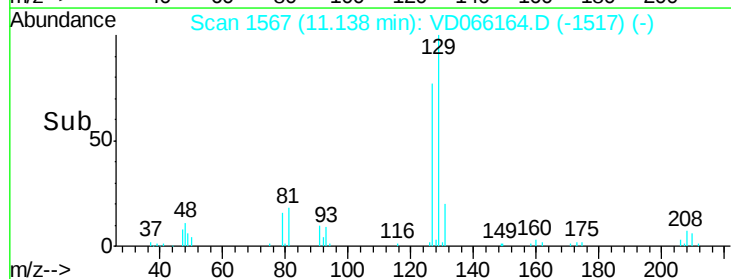
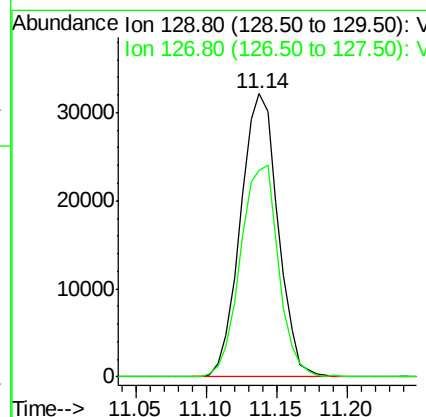
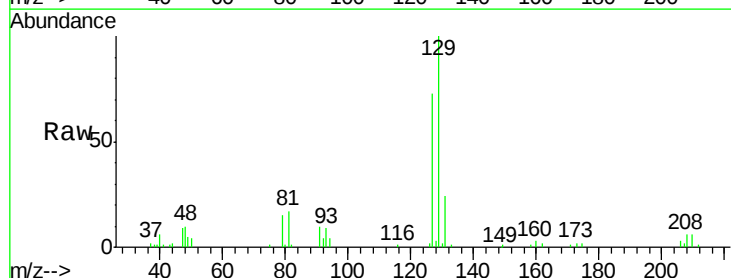
Manual Integrations
APPROVED

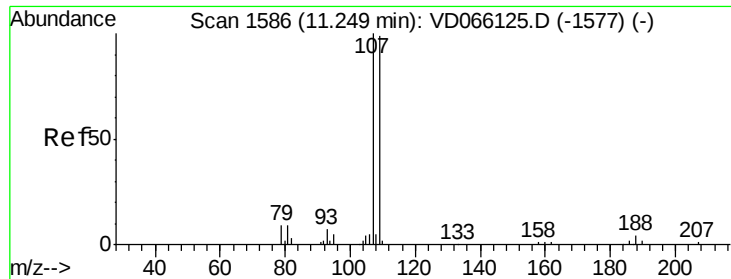
MMDadoda
8/11/2020 3:19:25 PM



#60
Dibromochloromethane
Concen: 18.148 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD066164.D
Acq: 10 Aug 2020 15:06

Tgt Ion: 129 Resp: 59790
Ion Ratio Lower Upper
129 100
127 75.8 38.0 114.1





#61

1,2-Dibromoethane

Concen: 18.550 ug/l

RT: 11.24 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VD066164.D

Acq: 10 Aug 2020 15:06

Instrument :

MSVOA_D

ClientSampleId :

VD0810SBS01

Tot Ion:107 Resp: 42571

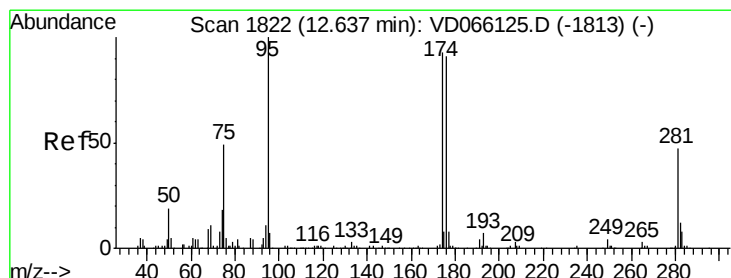
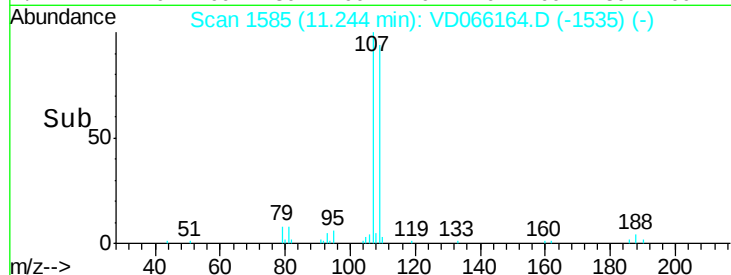
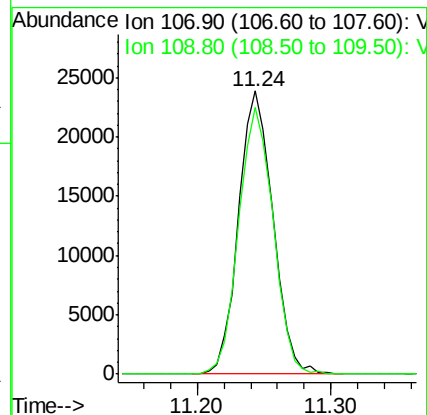
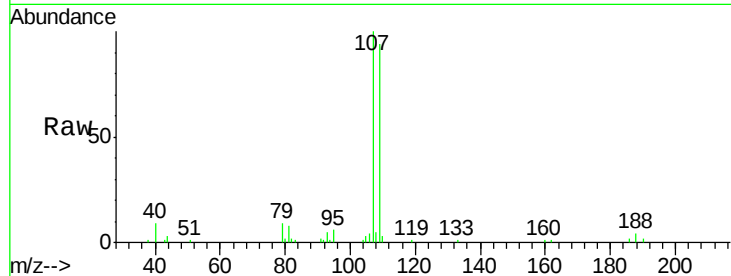
Ion Ratio Lower Upper

107 100

109 94.6 76.5 114.7

Manual Integrations
APPROVED

MMDadoda
8/11/2020 3:19:25 PM



#62

4-Bromofluorobenzene

Concen: 51.667 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066164.D

Acq: 10 Aug 2020 15:06

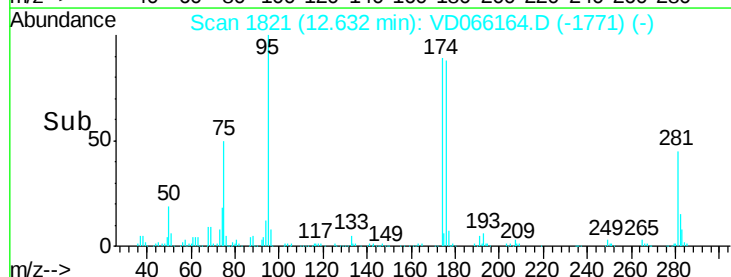
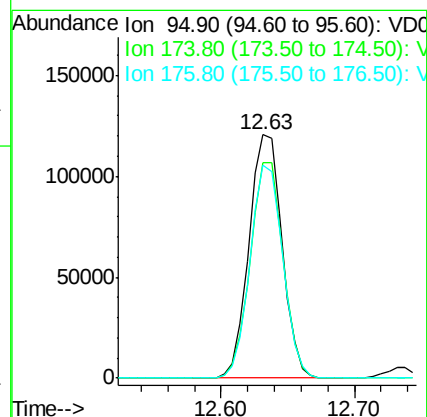
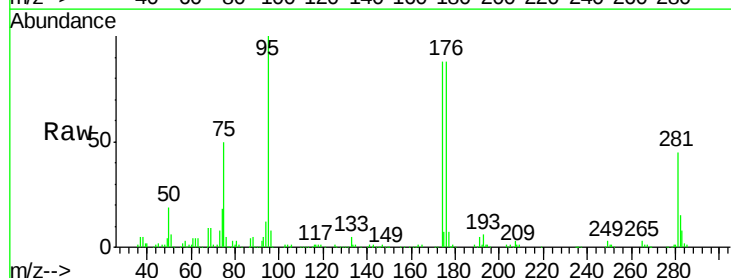
Tgt Ion: 95 Resp: 205456

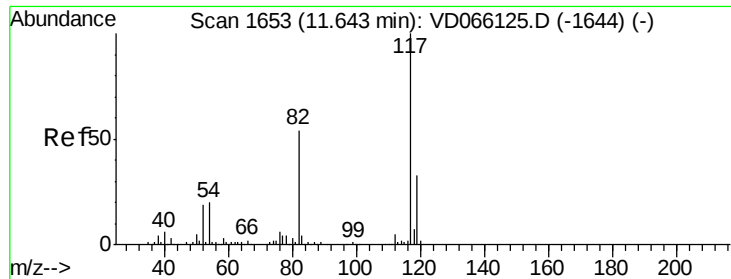
Ion Ratio Lower Upper

95 100

174 88.1 0.0 180.8

176 86.9 0.0 181.2





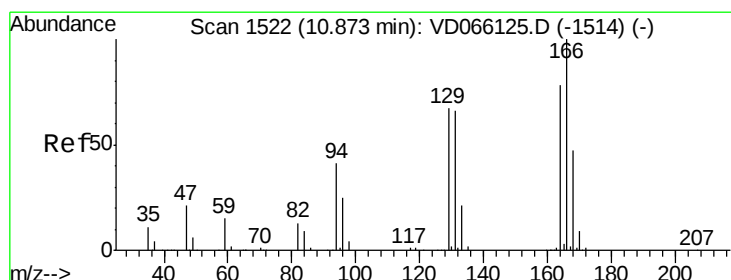
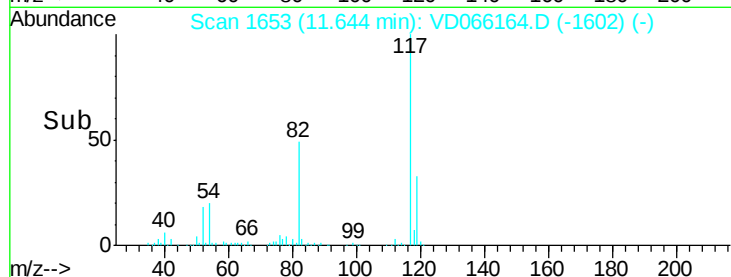
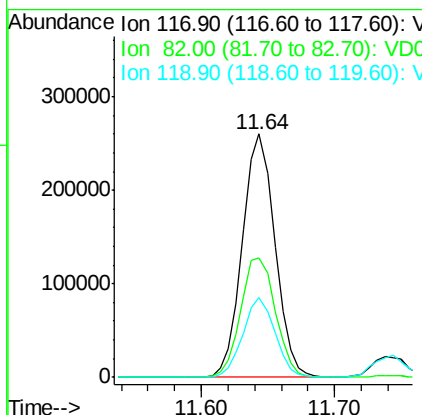
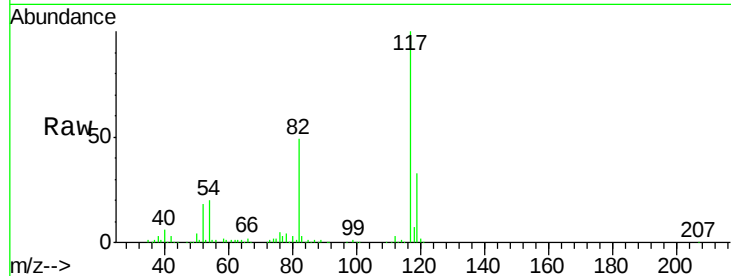
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066164.D
Acq: 10 Aug 2020 15:06

Instrument :
MSVOA_D
ClientSampleId :
VD0810SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	439944		
82	48.9		43.0	64.4
119	32.9		26.1	39.1

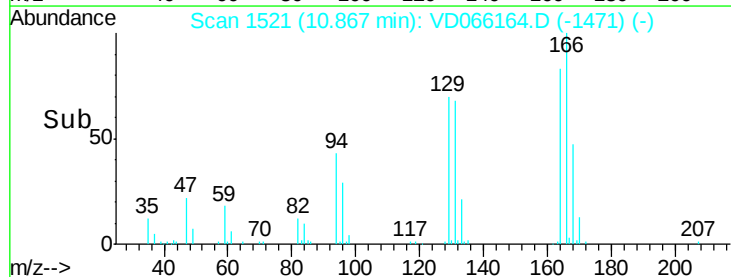
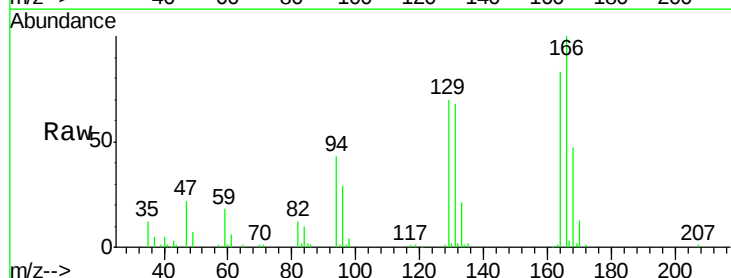
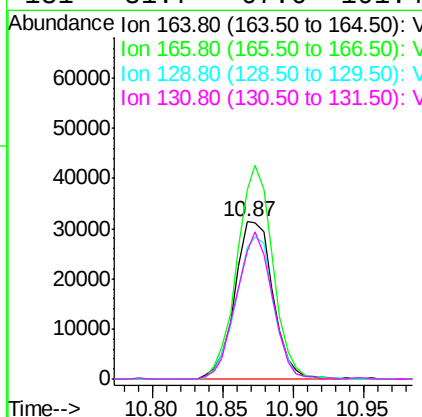
Manual Integrations
APPROVED

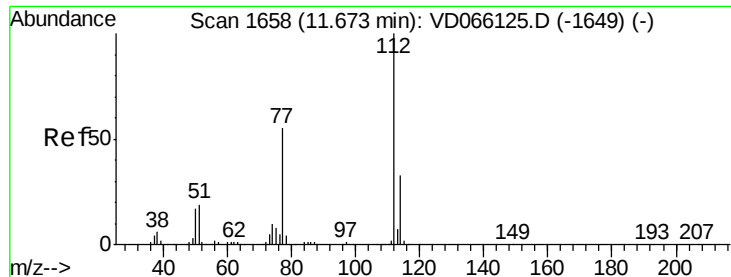
MMDadoda
8/11/2020 3:19:25 PM



#64
Tetrachloroethene
Concen: 17.545 ug/l
RT: 10.87 min Scan# 1521
Delta R.T. -0.01 min
Lab File: VD066164.D
Acq: 10 Aug 2020 15:06

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	59272		
166	120.2		101.9	152.9
129	84.1		68.1	102.1
131	81.7		67.6	101.4





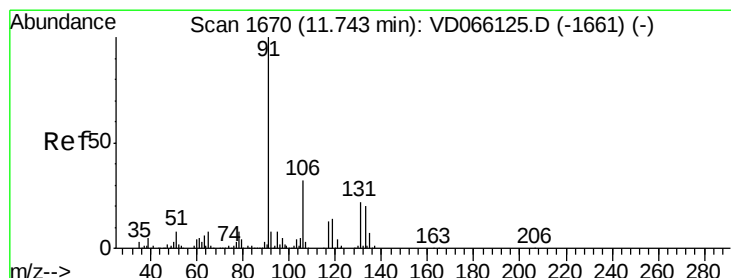
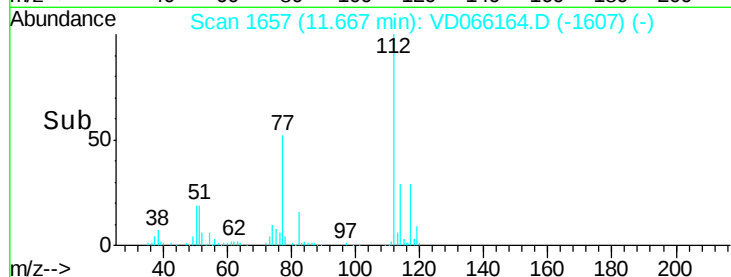
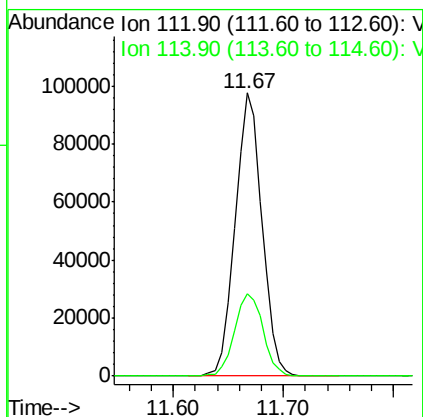
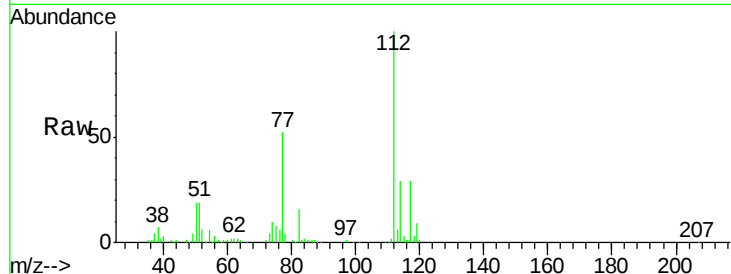
#65
Chlorobenzene
Concen: 18.640 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066164.D
Acq: 10 Aug 2020 15:06

Instrument :
MSVOA_D
ClientSampleId :
VD0810SBS01

Tot Ion:112 Resp: 166474
Ion Ratio Lower Upper
112 100
114 29.3 26.1 39.1

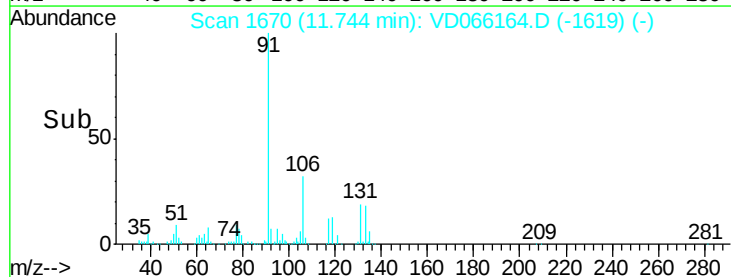
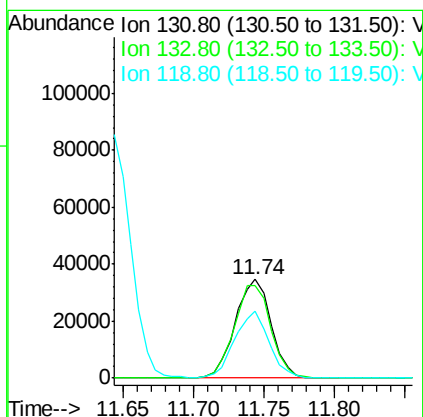
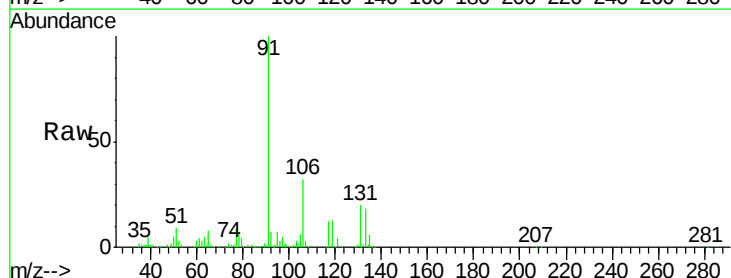
Manual Integrations
APPROVED

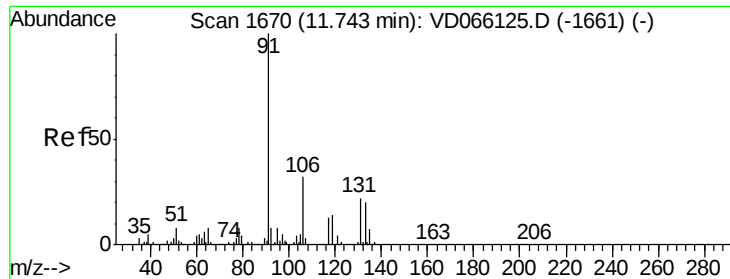
MMDadoda
8/11/2020 3:19:25 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 17.627 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066164.D
Acq: 10 Aug 2020 15:06

Tgt Ion:131 Resp: 61598
Ion Ratio Lower Upper
131 100
133 96.5 47.1 141.4
119 64.8 31.6 94.7





#67

Ethyl Benzene

Concen: 18.577 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066164.D

Acq: 10 Aug 2020 15:06

Instrument :

MSVOA_D

ClientSampleId :

VD0810SBS01

Tot Ion: 91 Resp: 287504

Ion Ratio Lower Upper

91 100

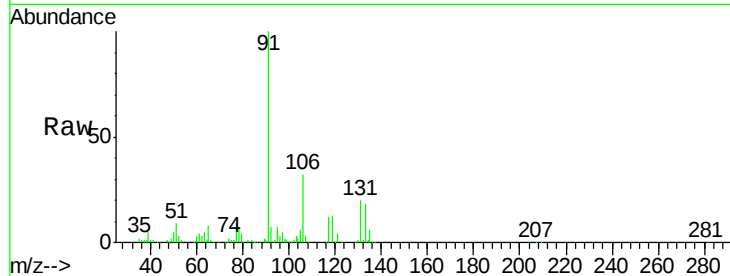
106 31.6 25.7 38.5

Manual Integrations

APPROVED

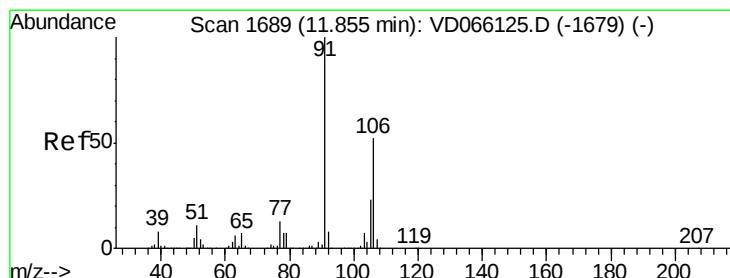
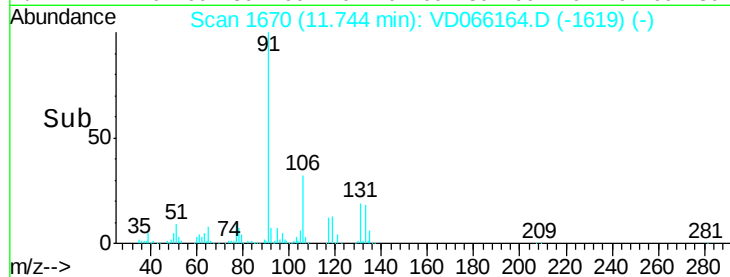
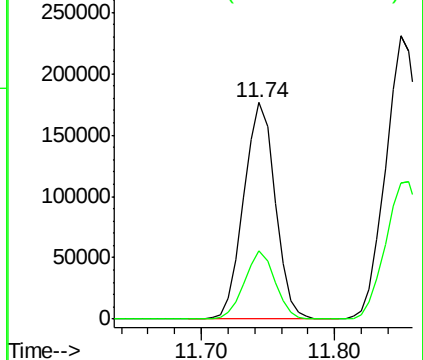
MMDadoda

8/11/2020 3:19:25 PM



Abundance Ion 91.00 (90.70 to 91.70): VD066125.D (-1661) (-)

Ion 106.00 (105.70 to 106.70): VD066125.D (-1661) (-)



#68

m/p-Xylenes

Concen: 36.865 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD066164.D

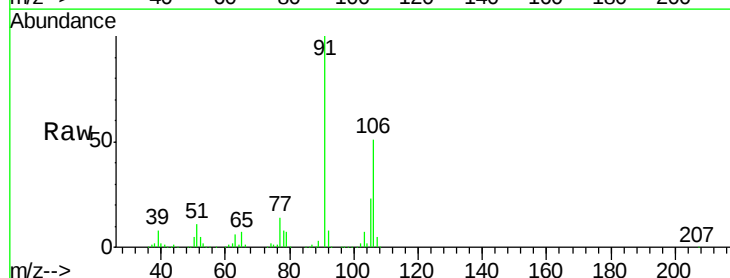
Acq: 10 Aug 2020 15:06

Tgt Ion: 106 Resp: 221053

Ion Ratio Lower Upper

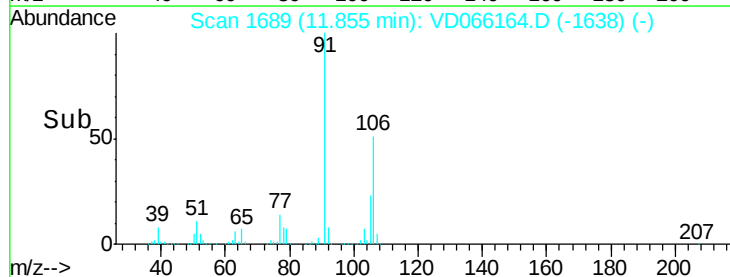
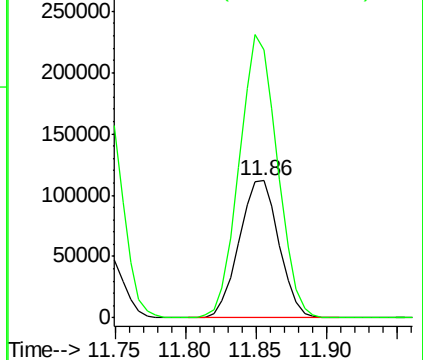
106 100

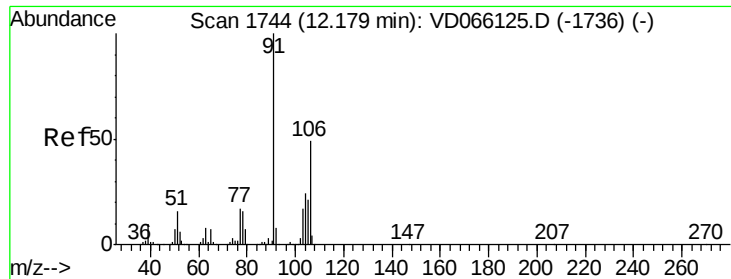
91 196.9 156.6 235.0



Abundance Ion 106.00 (105.70 to 106.70): VD066125.D (-1679) (-)

Ion 91.00 (90.70 to 91.70): VD066125.D (-1679) (-)





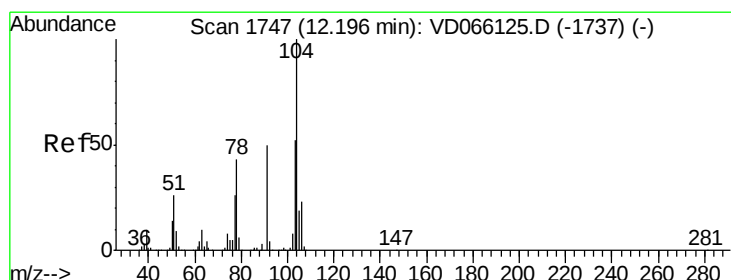
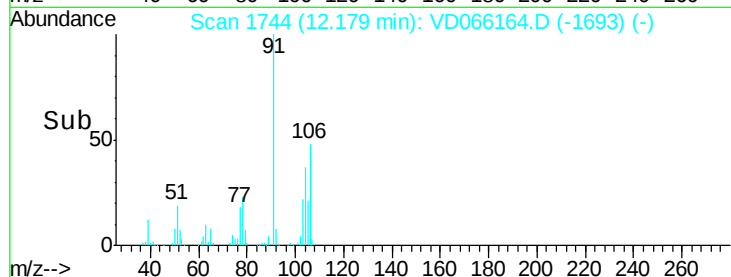
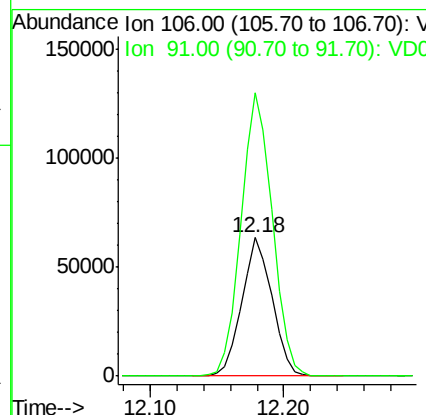
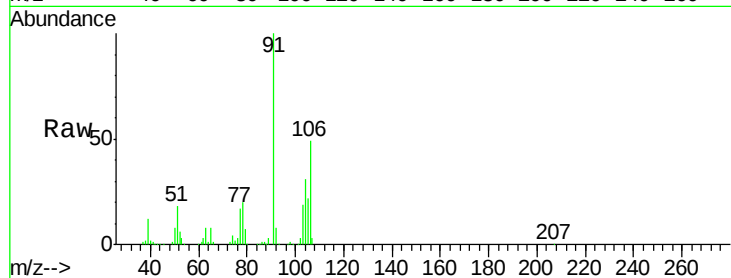
#69
o-Xylene
Concen: 18.304 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066164.D
Acq: 10 Aug 2020 15:06

Instrument :
MSVOA_D
ClientSampleId :
VD0810SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	210.5	105.7	317.1	

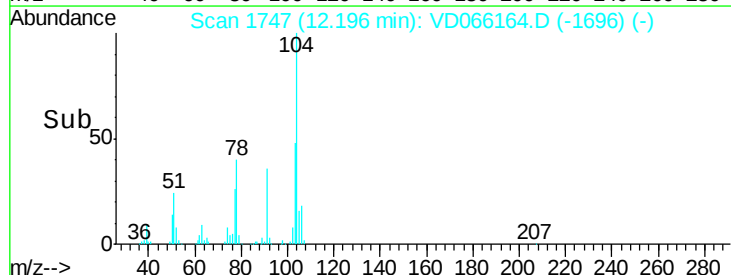
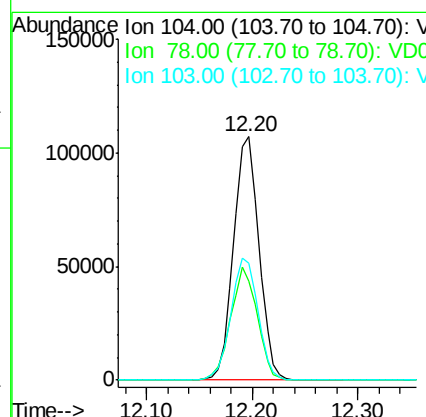
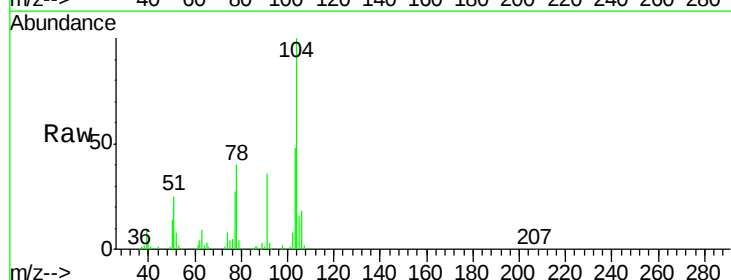
Manual Integrations
APPROVED

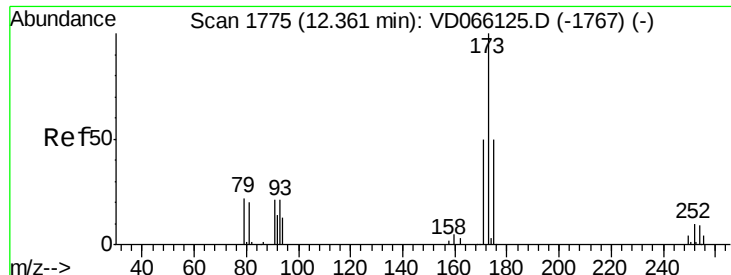
MMDadoda
8/11/2020 3:19:25 PM



#70
Styrene
Concen: 18.606 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066164.D
Acq: 10 Aug 2020 15:06

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	48.4	38.6	58.0	
103	53.4	44.1	66.1	





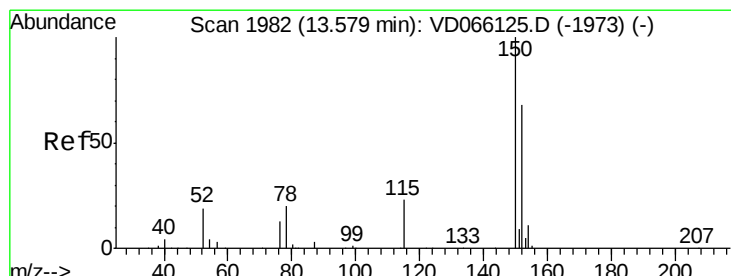
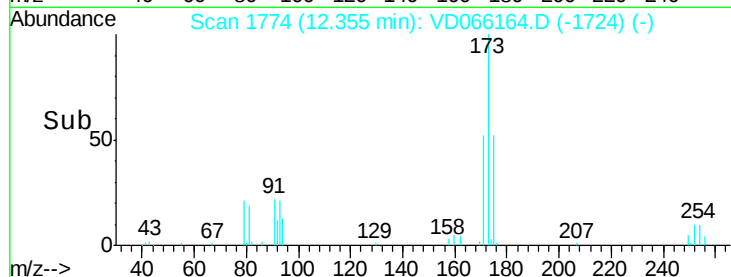
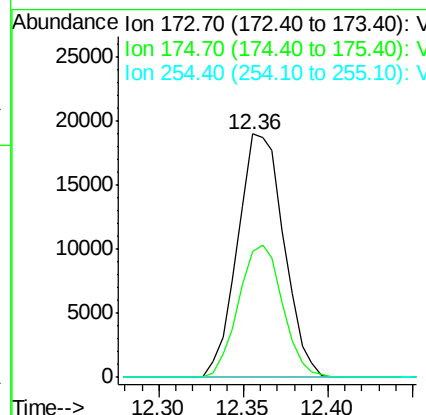
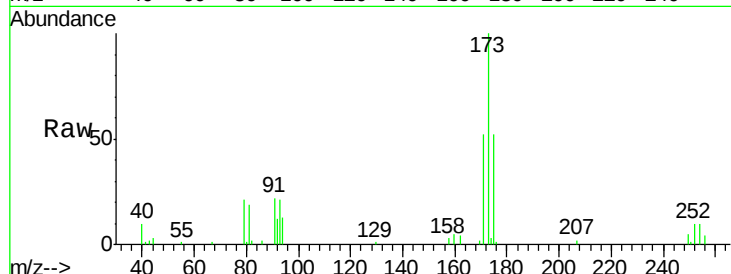
#71
Bromoform
Concen: 17.477 ug/l
RT: 12.36 min Scan# 1774
Delta R.T. -0.01 min
Lab File: VD066164.D
Acq: 10 Aug 2020 15:06

Instrument :
MSVOA_D
ClientSampleId :
VD0810SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.7	24.6	73.6
254	0.0	0.2	0.2

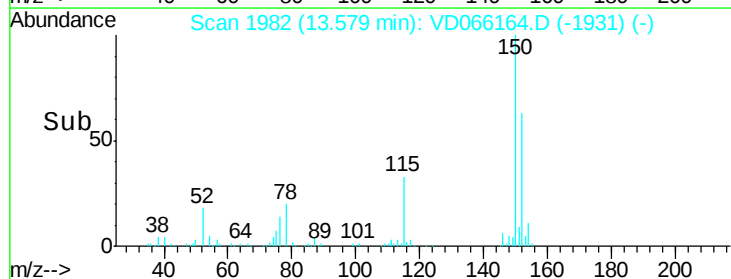
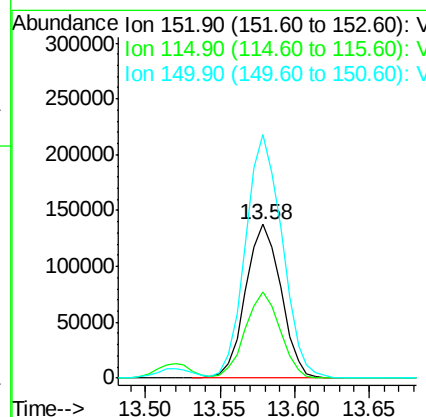
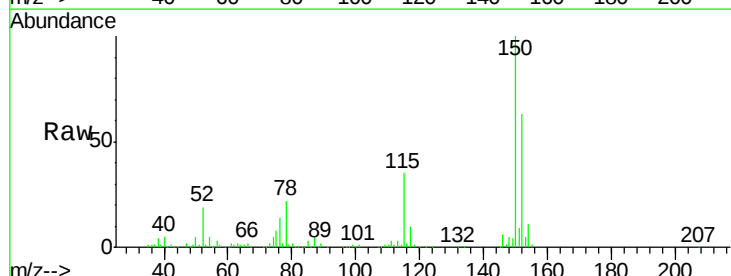
Manual Integrations
APPROVED

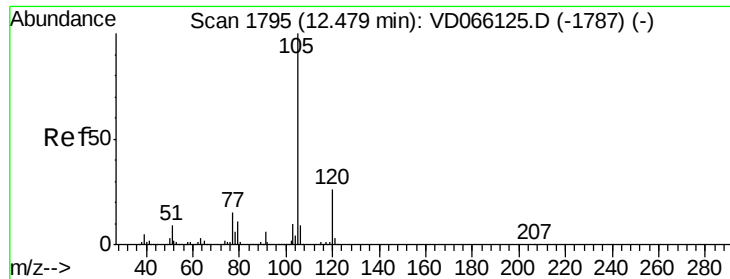
MMDadoda
8/11/2020 3:19:25 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066164.D
Acq: 10 Aug 2020 15:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	28.0	83.9
150	163.5	0.0	346.4





#73

Isopropylbenzene

Concen: 18.408 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066164.D

Acq: 10 Aug 2020 15:06

Instrument :

MSVOA_D

ClientSampleId :

VD0810SBS01

Tot Ion: 105 Resp: 277890

Ion Ratio Lower Upper

105 100

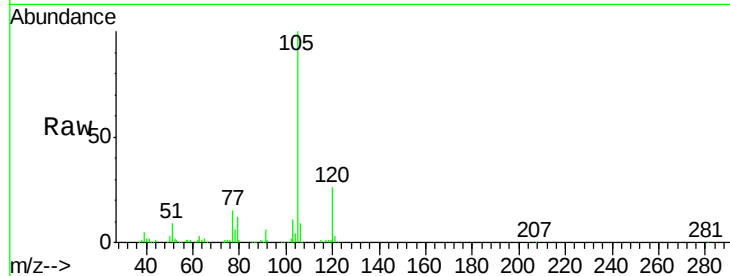
120 26.7 13.3 39.9

Manual Integrations

APPROVED

MMDadoda

8/11/2020 3:19:25 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

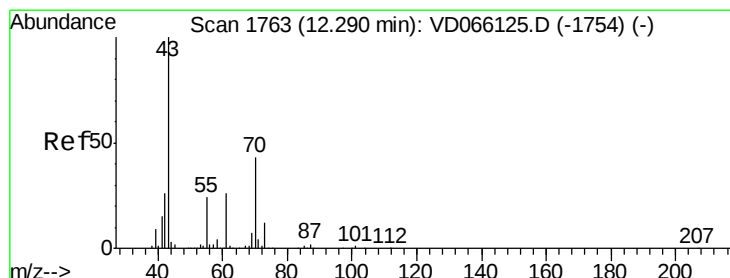
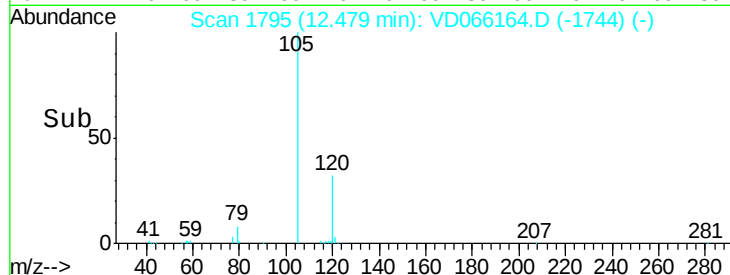
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 17.429 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066164.D

Acq: 10 Aug 2020 15:06

Tgt Ion: 43 Resp: 57940

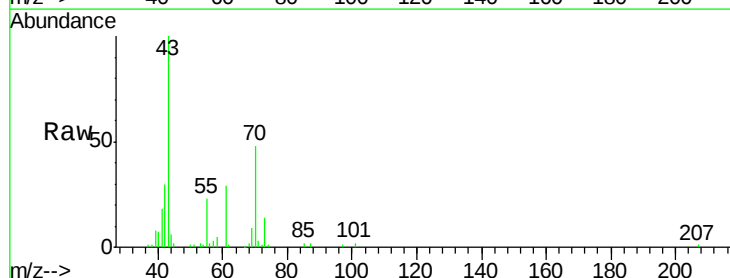
Ion Ratio Lower Upper

43 100

70 45.3 34.9 52.3

55 28.0 19.2 28.8

61 25.7 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

50000

40000

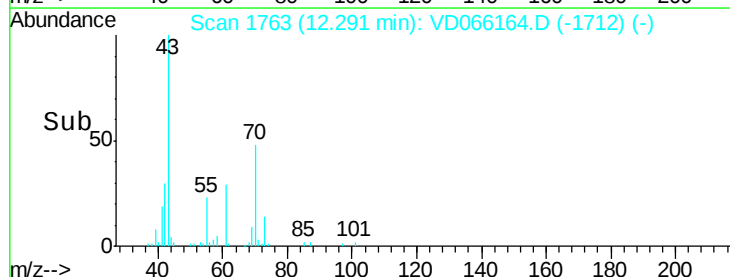
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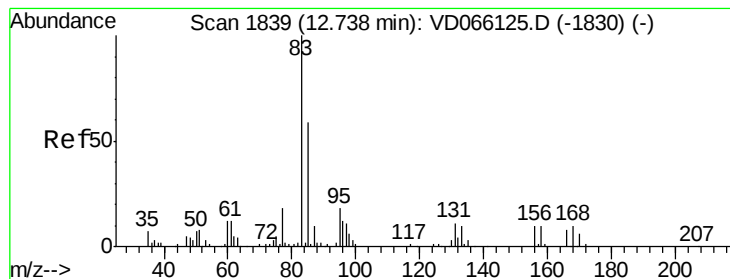
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.431 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066164.D

Acq: 10 Aug 2020 15:06

Instrument :

MSVOA_D

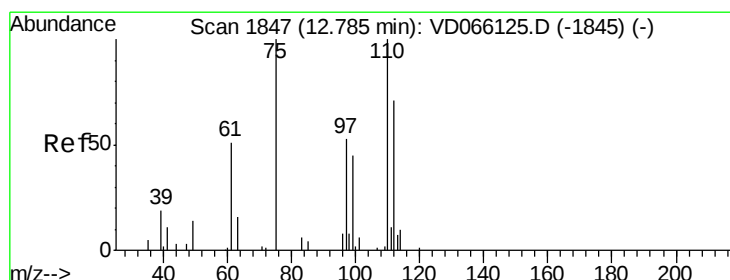
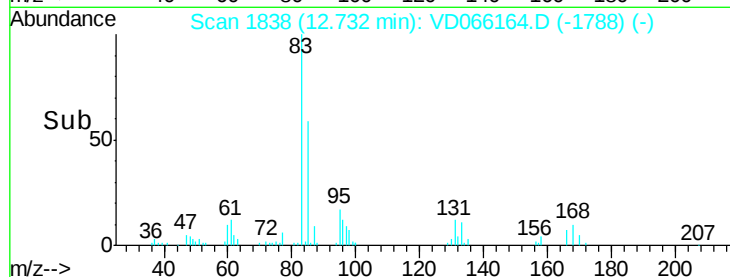
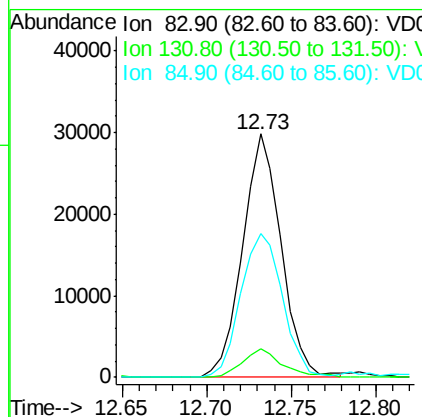
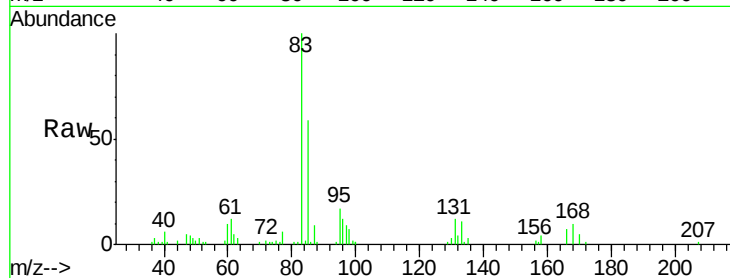
ClientSampleId :

VD0810SBS01

Tot Ion:	83	Resp:	47445
Ion Ratio	Lower	Upper	
83	100		
131	12.1	6.2	18.6
85	63.7	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 20.712 ug/l m

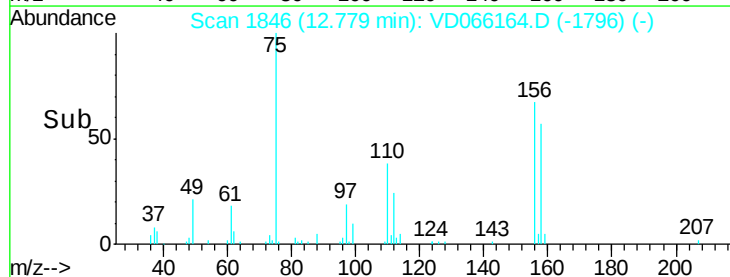
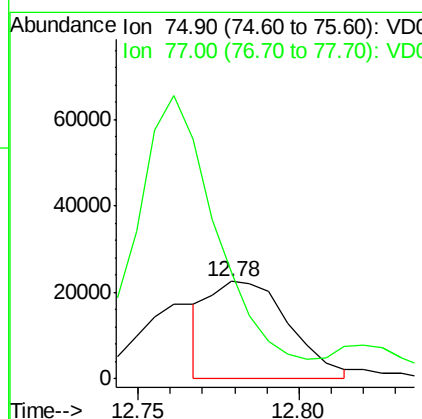
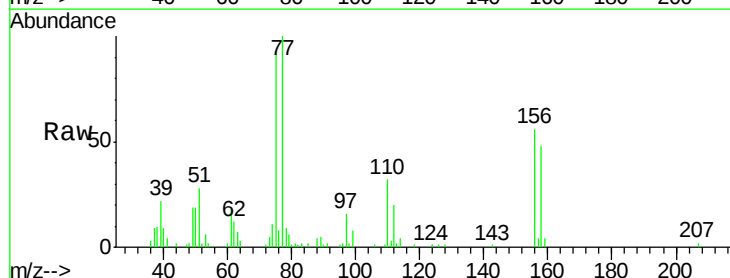
RT: 12.78 min Scan# 1846

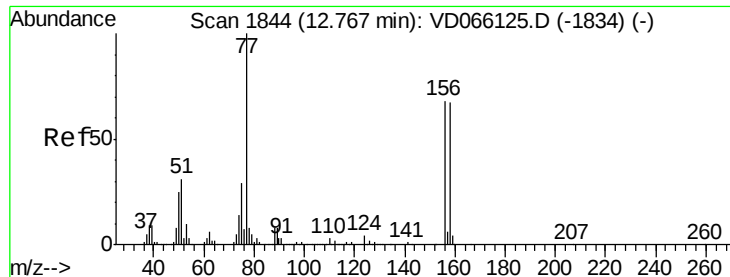
Delta R.T. -0.01 min

Lab File: VD066164.D

Acq: 10 Aug 2020 15:06

Tgt Ion:	75	Resp:	39062
Ion Ratio	Lower	Upper	
75	100		
77	302.9	0.0	0.0#





#77

Bromobenzene

Concen: 18.262 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD066164.D

Acq: 10 Aug 2020 15:06

Instrument :

MSVOA_D

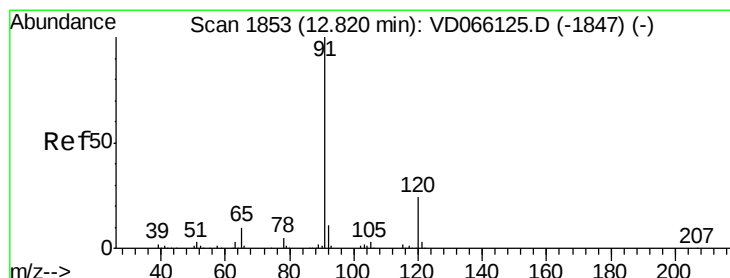
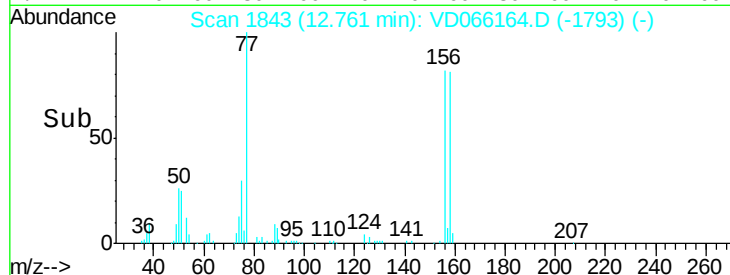
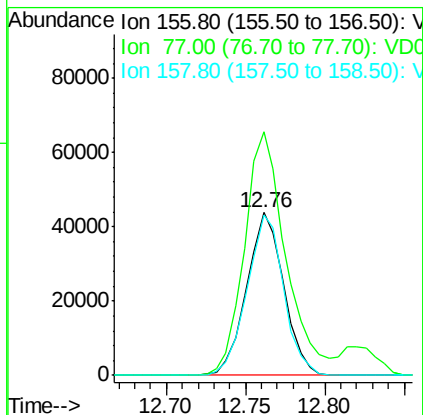
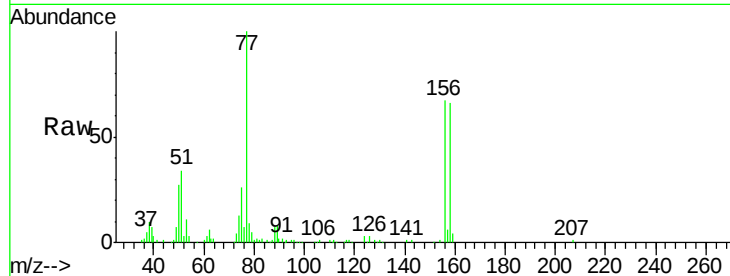
ClientSampleId :

VD0810SBS01

Tot Ion:	156	Resp:	70968
Ion	Ratio	Lower	Upper
156	100		
77	166.7	81.0	243.1
158	97.9	48.8	146.3

Manual Integrations
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#78

n-propylbenzene

Concen: 18.818 ug/l

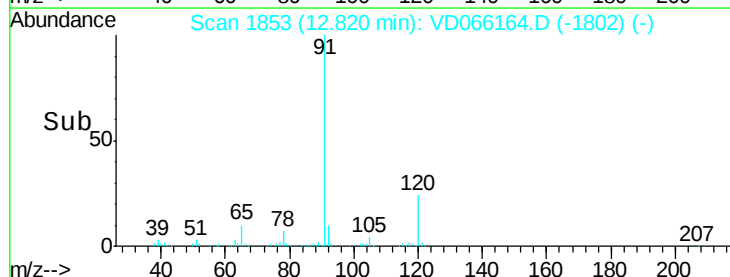
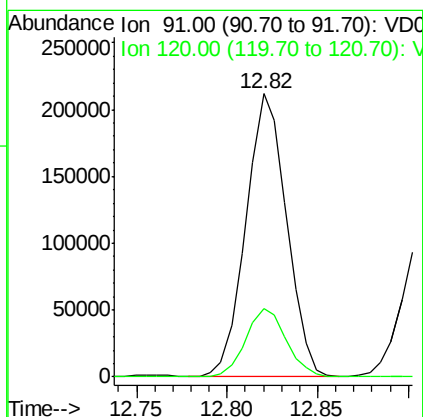
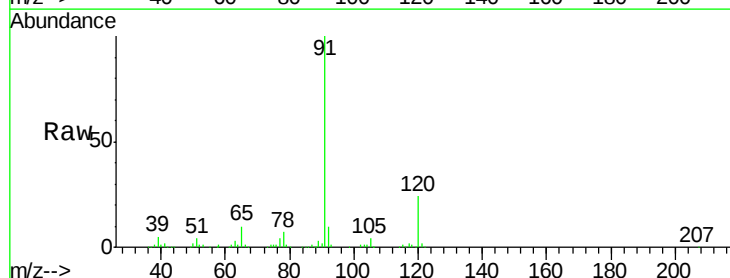
RT: 12.82 min Scan# 1853

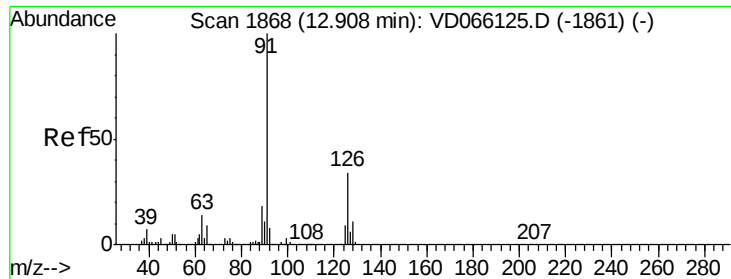
Delta R.T. 0.00 min

Lab File: VD066164.D

Acq: 10 Aug 2020 15:06

Tgt Ion:	91	Resp:	330236
Ion	Ratio	Lower	Upper
91	100		
120	24.0	12.0	36.0





#79

2-Chlorotoluene

Concen: 18.724 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066164.D

Acq: 10 Aug 2020 15:06

Instrument :

MSVOA_D

ClientSampleId :

VD0810SBS01

Tot Ion: 91 Resp: 187921

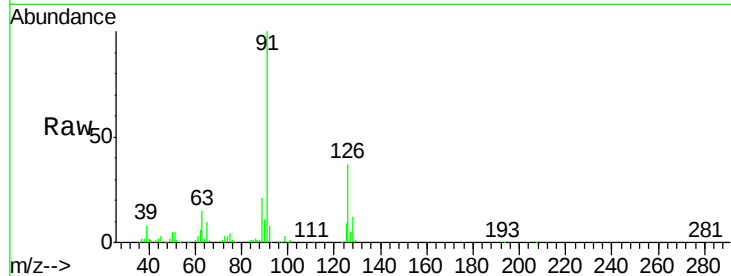
Ion Ratio Lower Upper

91 100

126 35.5 17.5 52.6

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Abundance Ion 91.00 (90.70 to 91.70): VD066125.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD066125.D (-1861) (-)

250000

200000

150000

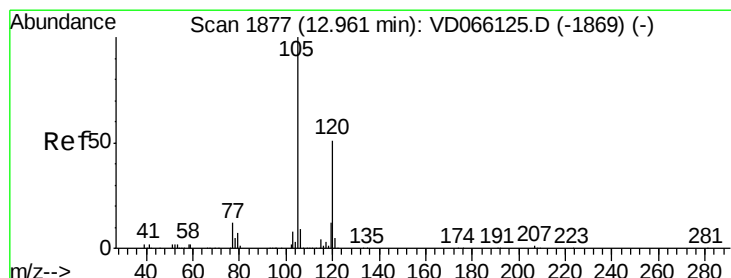
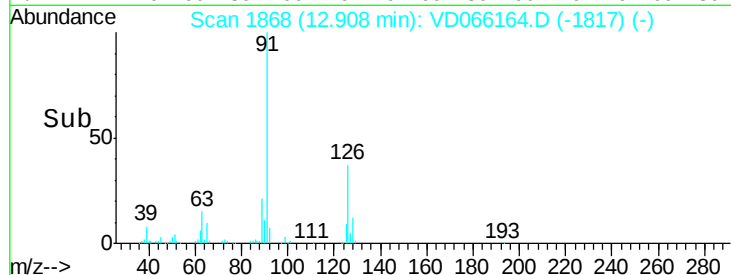
100000

50000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.823 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066164.D

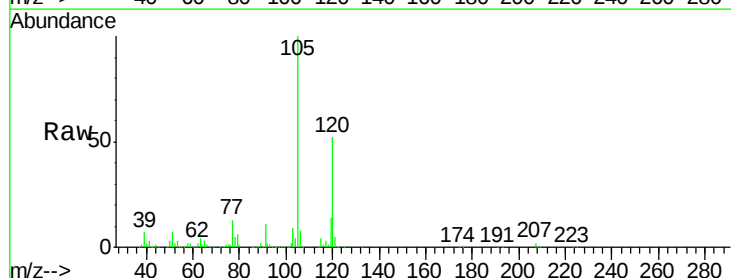
Acq: 10 Aug 2020 15:06

Tgt Ion: 105 Resp: 237648

Ion Ratio Lower Upper

105 100

120 50.3 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VD066125.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD066125.D (-1869) (-)

150000

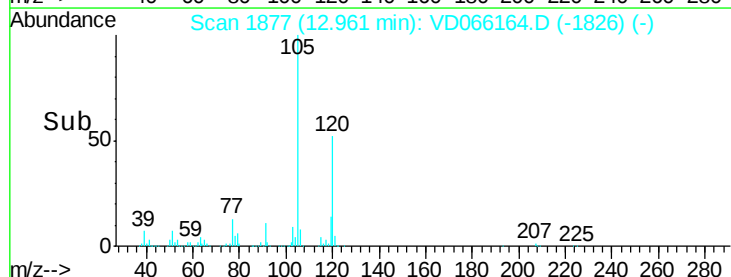
100000

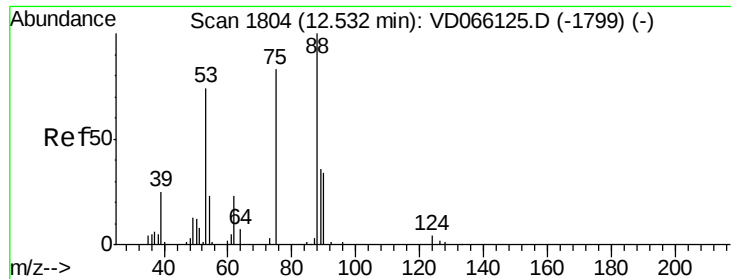
50000

0

12.90 12.96 13.00

Time-->





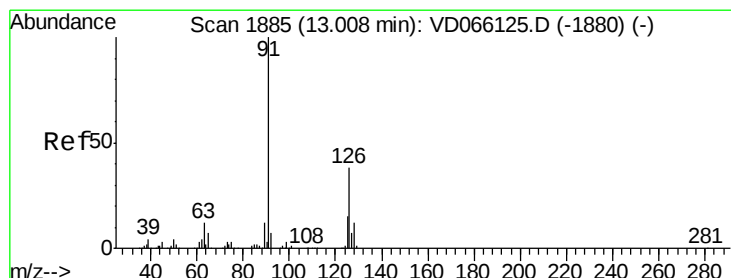
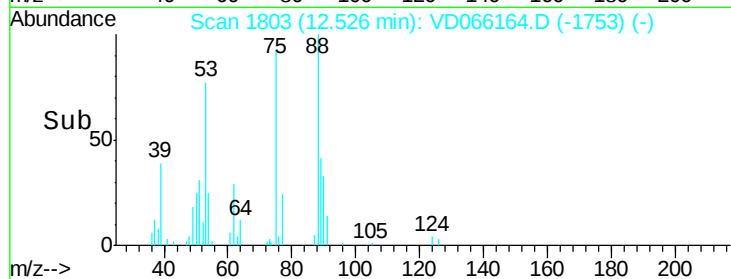
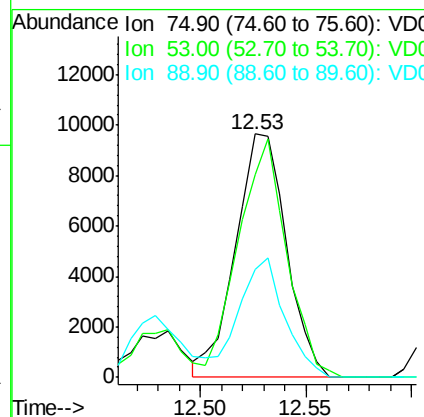
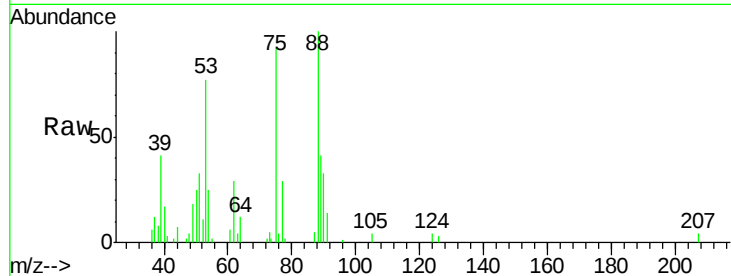
#81
trans-1,4-Dichloro-2-butene
Concen: 18.892 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD066164.D
Acq: 10 Aug 2020 15:06

Instrument :
MSVOA_D
ClientSampleId :
VD0810SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.8	73.4	110.2
89	44.5	36.6	55.0

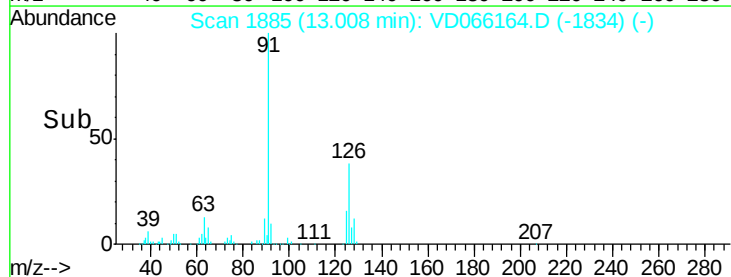
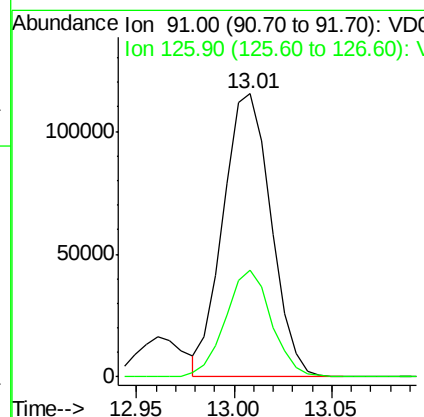
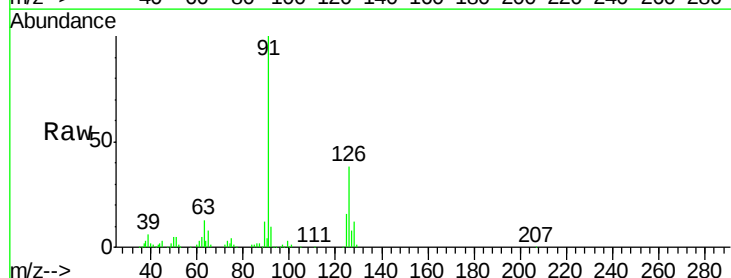
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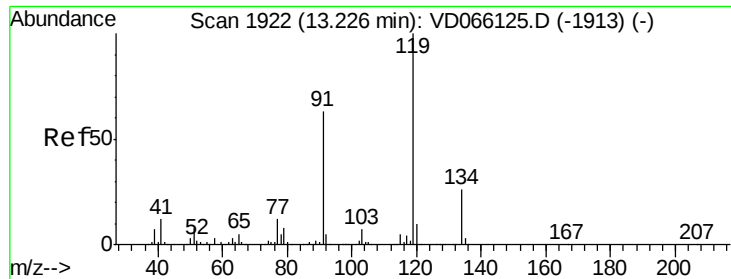
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#82
4-Chlorotoluene
Concen: 18.576 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD066164.D
Acq: 10 Aug 2020 15:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.1	17.8	53.3





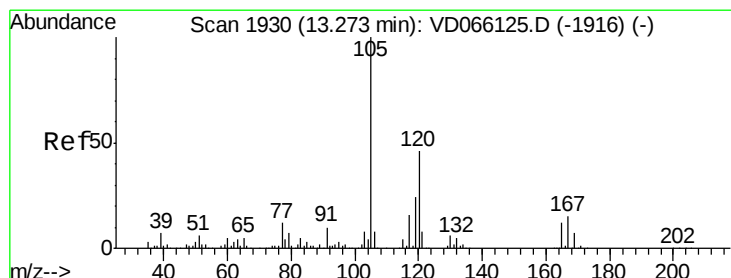
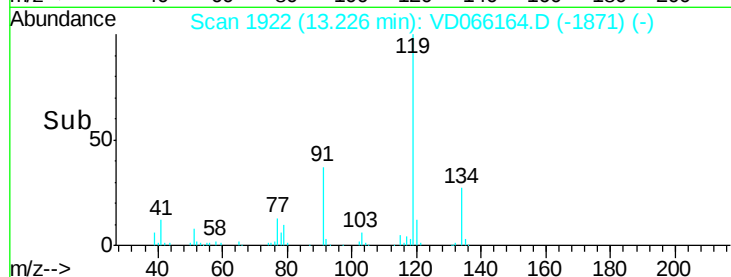
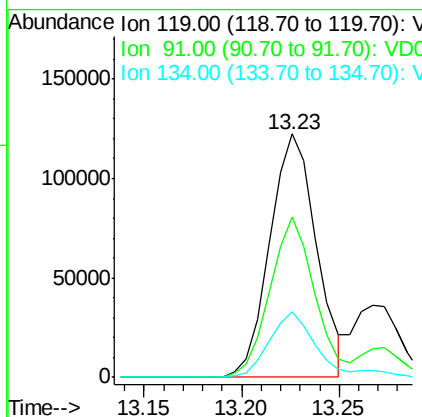
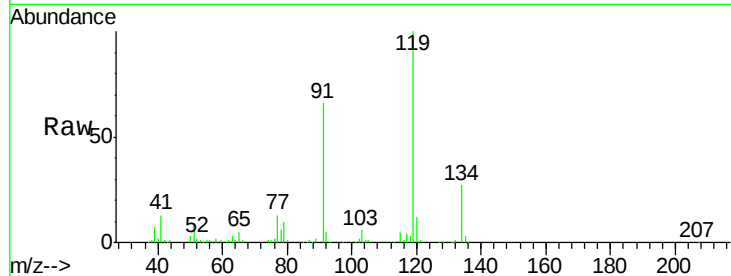
#83
tert-Butylbenzene
Concen: 18.203 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066164.D
Acq: 10 Aug 2020 15:06

Instrument :
MSVOA_D
ClientSampleId :
VD0810SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	202114		
91	63.7	30.8	92.4	
134	27.9	13.6	40.8	

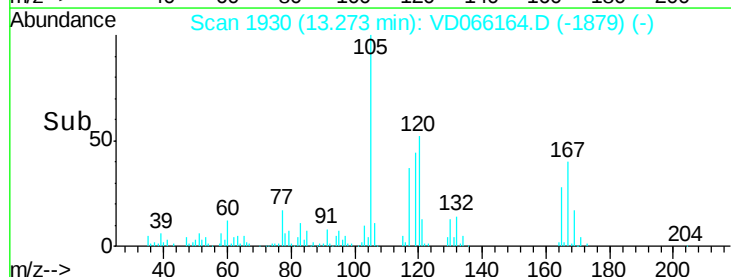
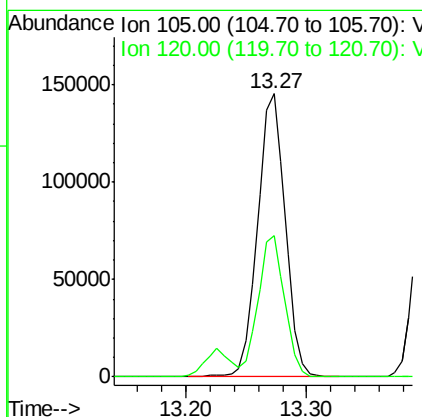
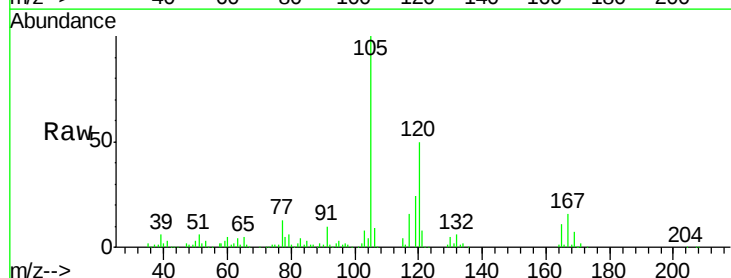
Manual Integrations
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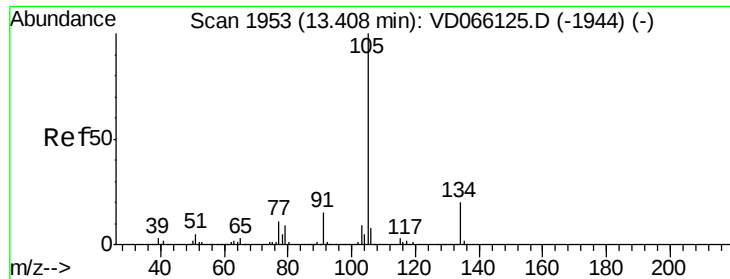
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#84
1,2,4-Trimethylbenzene
Concen: 18.375 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD066164.D
Acq: 10 Aug 2020 15:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	232173		
120	47.8	23.1	69.2	





#85

sec-Butylbenzene

Concen: 18.690 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD066164.D

Acq: 10 Aug 2020 15:06

Instrument :

MSVOA_D

ClientSampleId :

VD0810SBS01

Tot Ion:105 Resp: 280176

Ion Ratio Lower Upper

105 100

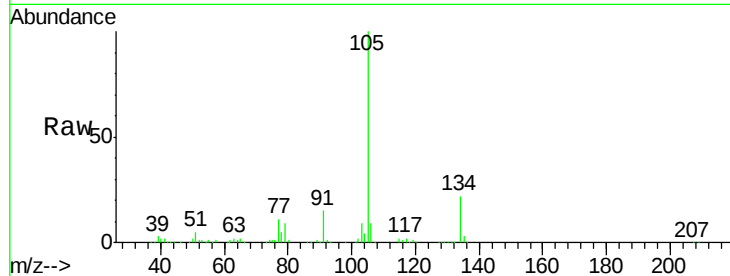
134 21.4 10.4 31.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

200000

150000

100000

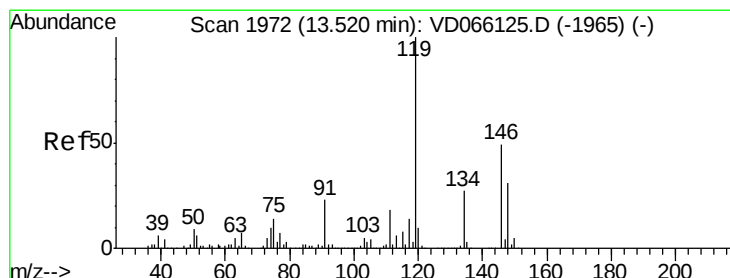
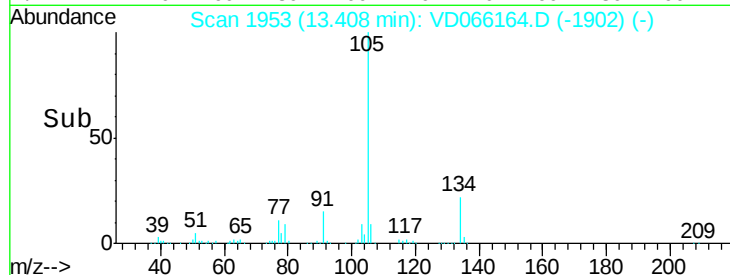
50000

0

13.40 13.41

13.50

Time-->



#86

p-Isopropyltoluene

Concen: 18.995 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066164.D

Acq: 10 Aug 2020 15:06

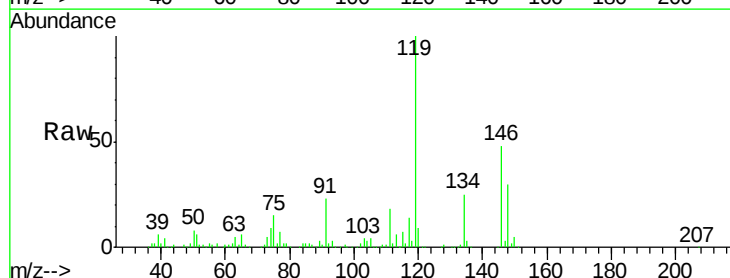
Tgt Ion:119 Resp: 267071

Ion Ratio Lower Upper

119 100

134 26.3 13.5 40.4

91 22.9 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

150000

100000

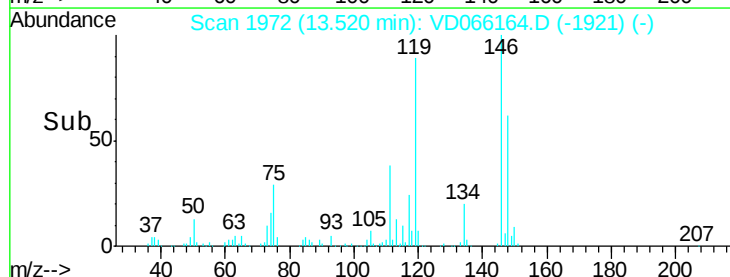
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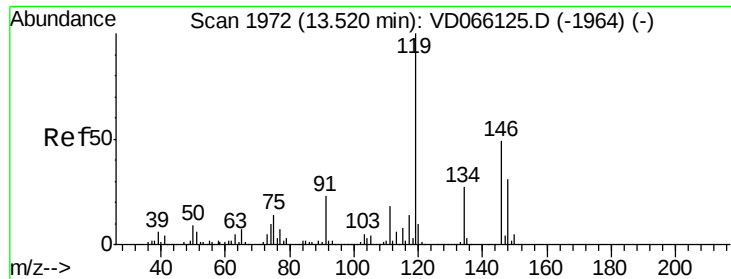
0

13.52

13.45 13.55

Time-->





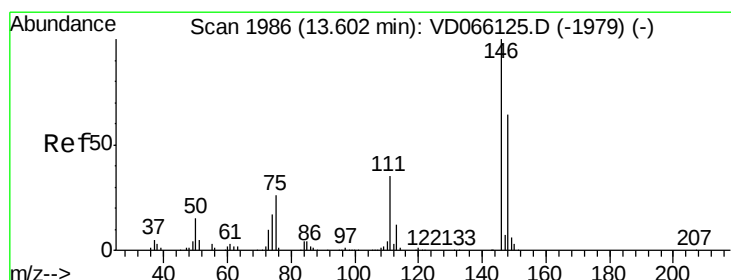
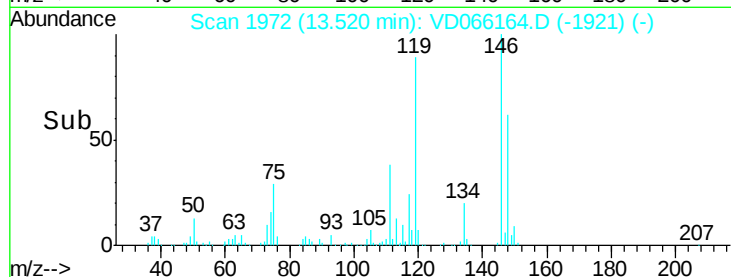
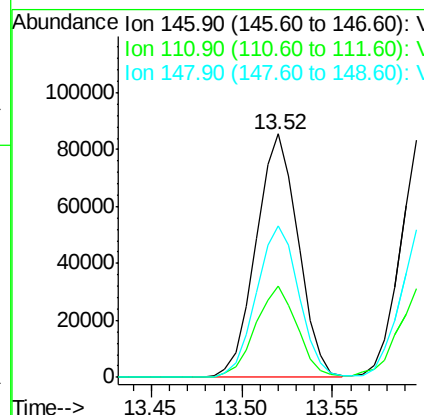
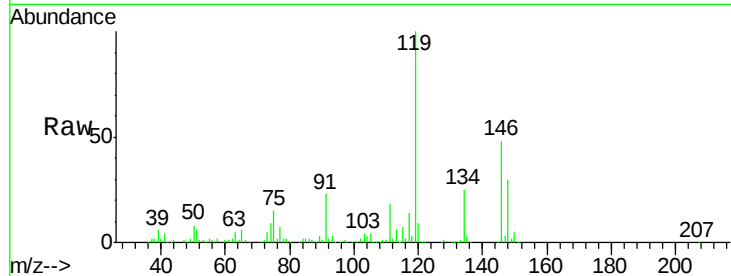
#87
 1,3-Dichlorobenzene
 Concen: 18.911 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066164.D
 Acq: 10 Aug 2020 15:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0810SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	138119		
111	36.9	18.9	56.9	
148	62.8	31.8	95.3	

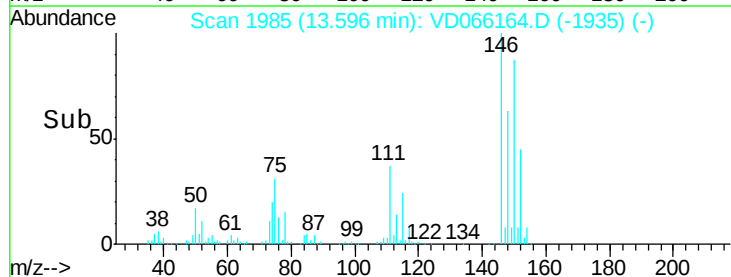
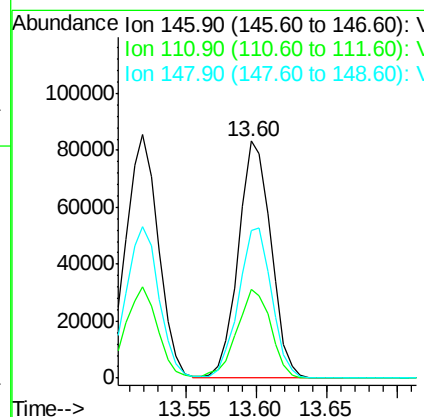
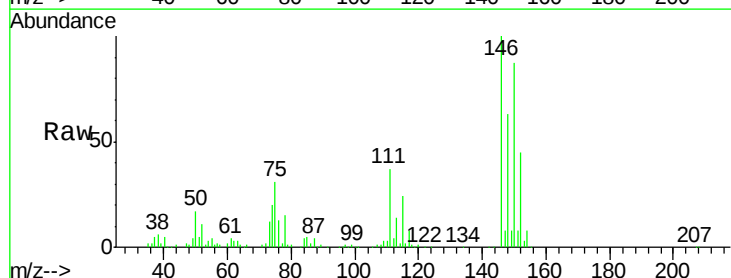
Manual Integrations
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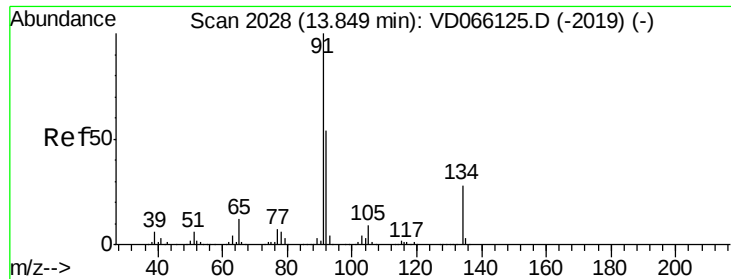
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#88
 1,4-Dichlorobenzene
 Concen: 18.519 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD066164.D
 Acq: 10 Aug 2020 15:06

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	134891		
111	38.8	18.6	55.8	
148	64.3	32.4	97.0	





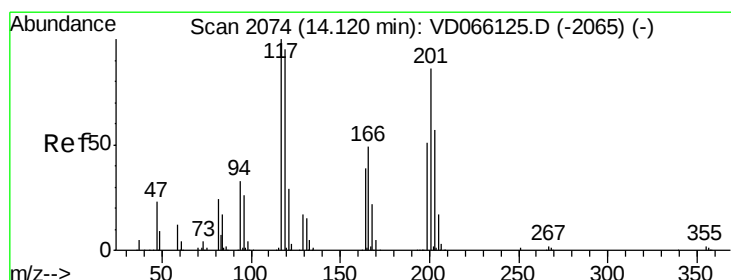
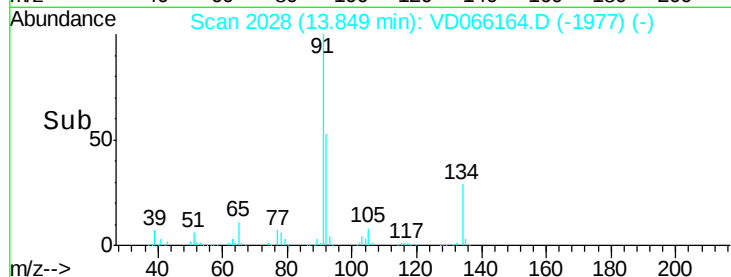
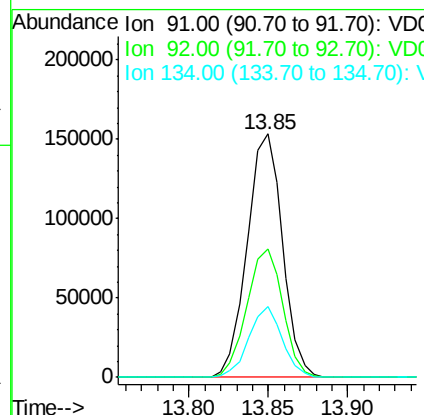
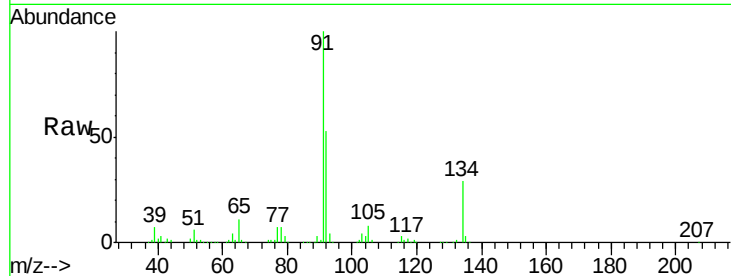
#89
n-Butylbenzene
Concen: 18.829 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066164.D
Acq: 10 Aug 2020 15:06

Instrument :
MSVOA_D
ClientSampleId :
VD0810SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.9	26.8	80.3	
134	27.6	14.0	41.9	

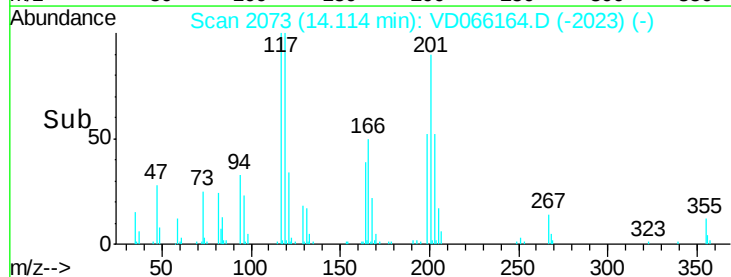
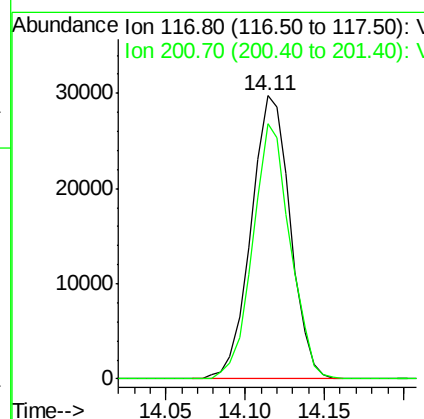
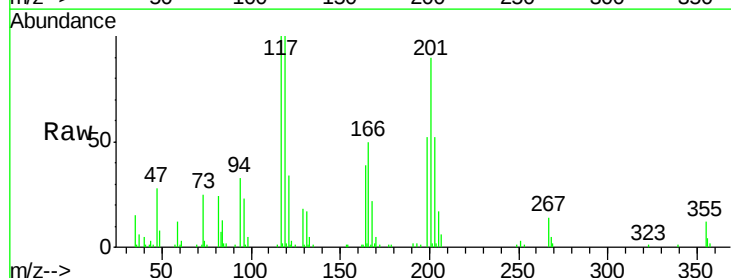
Manual Integrations
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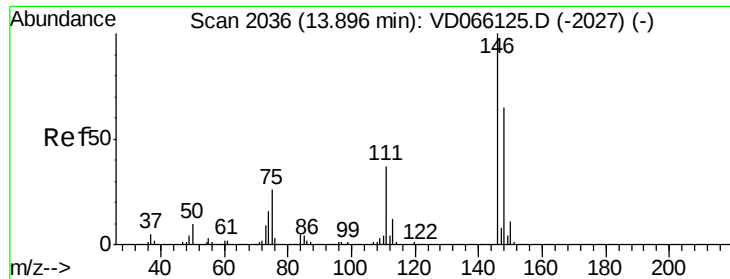
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#90
Hexachloroethane
Concen: 18.245 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD066164.D
Acq: 10 Aug 2020 15:06

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	85.9	42.7	128.1	





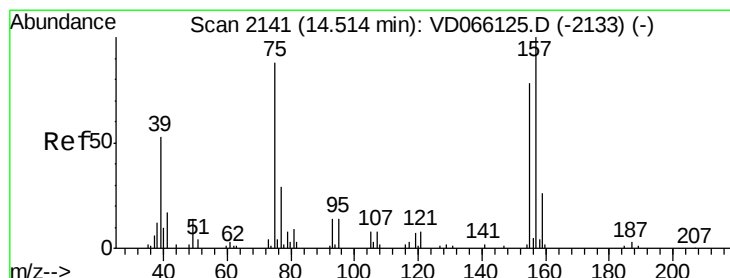
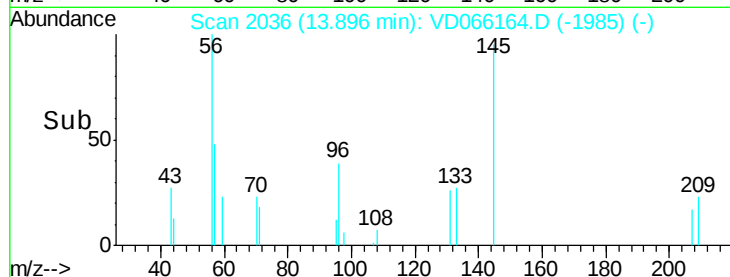
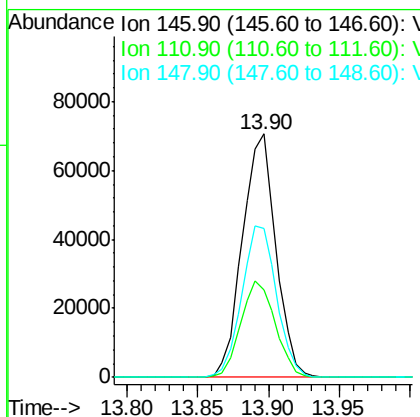
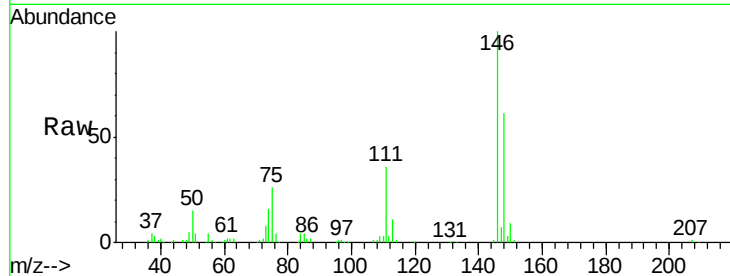
#91
 1,2-Dichlorobenzene
 Concen: 18.204 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD066164.D
 Acq: 10 Aug 2020 15:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0810SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	117585		
111	40.4	18.8	56.3	
148	64.6	31.9	95.5	

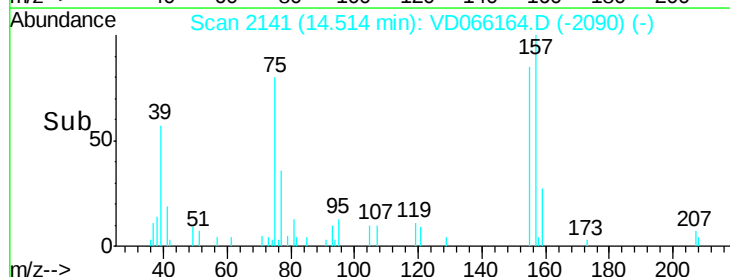
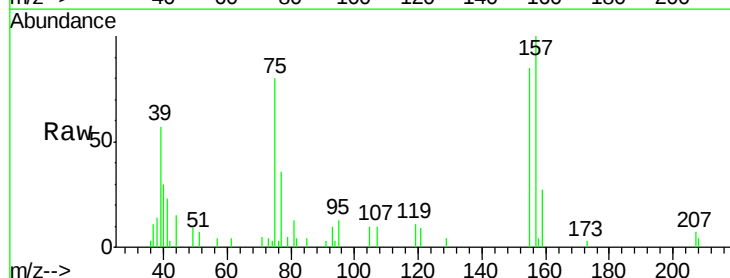
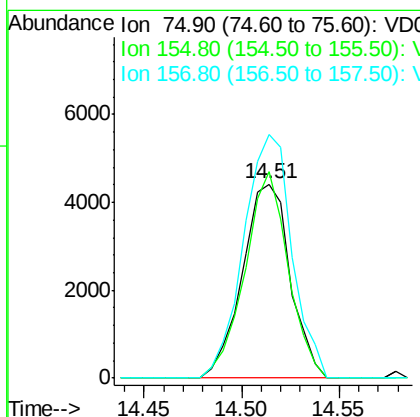
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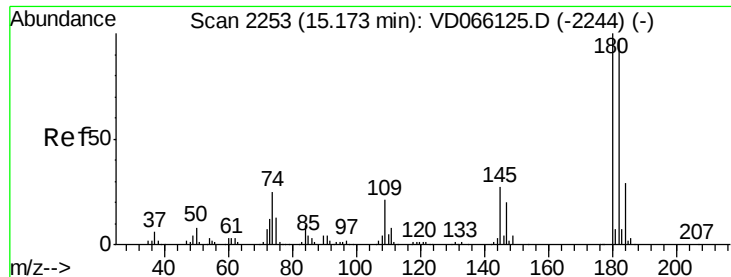
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.929 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD066164.D
 Acq: 10 Aug 2020 15:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	7490		
155	96.4	47.7	143.1	
157	126.7	62.1	186.2	





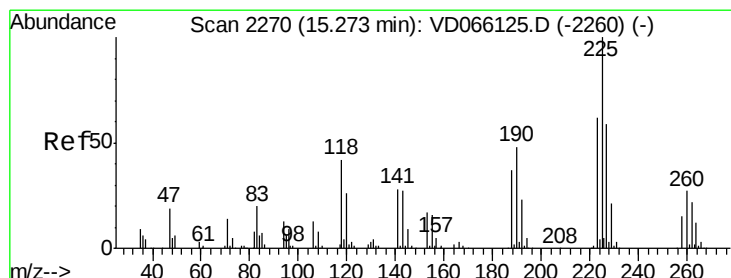
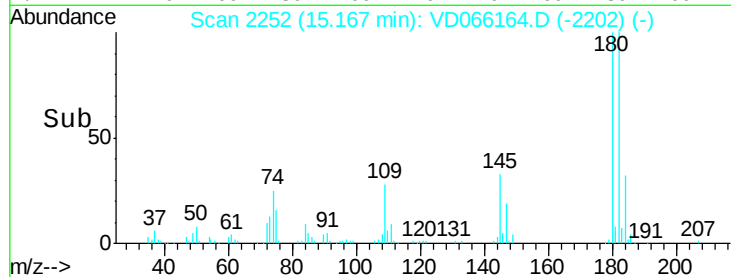
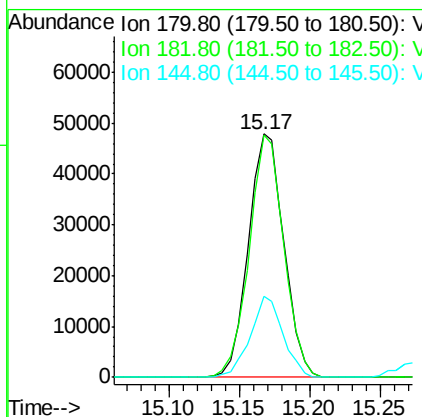
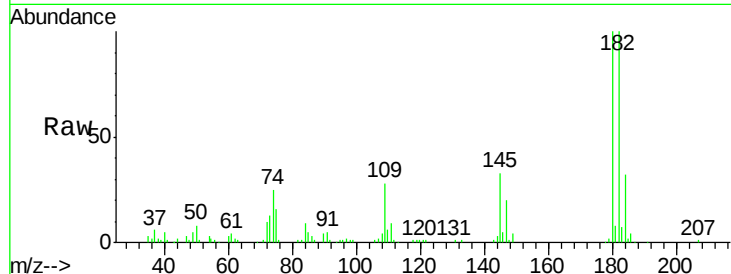
#93
 1,2,4-Trichlorobenzene
 Concen: 17.781 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD066164.D
 Acq: 10 Aug 2020 15:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0810SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.4	142.2
145	30.7	14.5	43.6

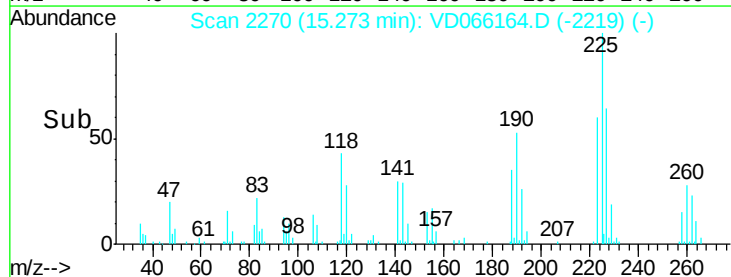
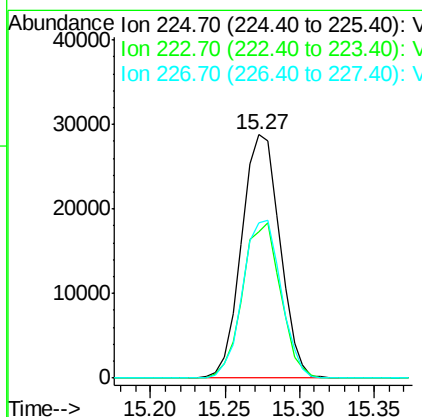
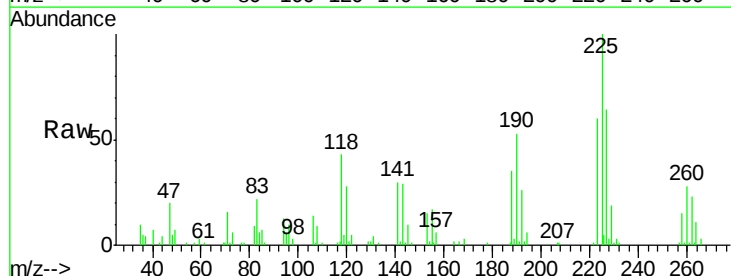
Manual Integrations
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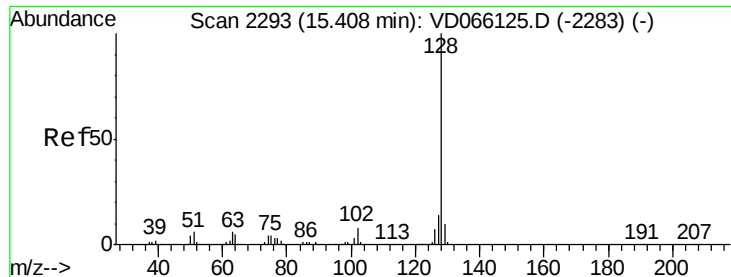
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#94
 Hexachlorobutadiene
 Concen: 18.287 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066164.D
 Acq: 10 Aug 2020 15:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	32.3	96.9
227	64.8	32.1	96.5





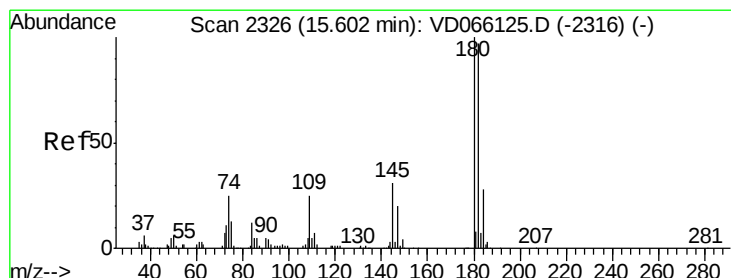
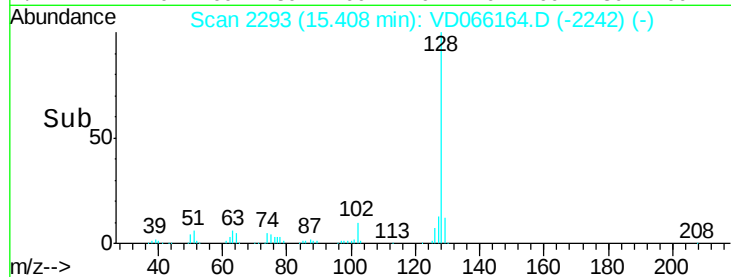
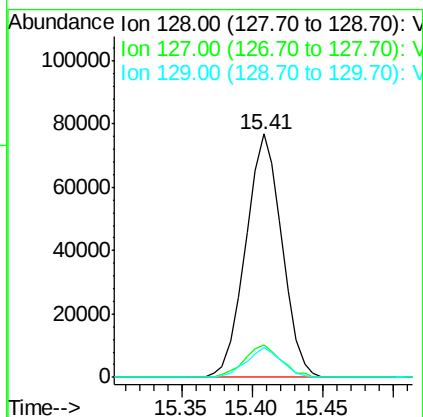
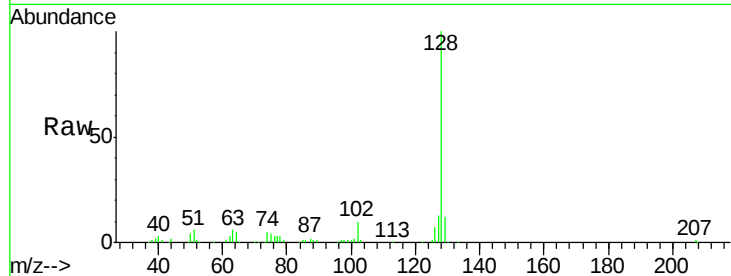
#95
Naphthalene
Concen: 17.792 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066164.D
Acq: 10 Aug 2020 15:06

Instrument :
MSVOA_D
ClientSampleId :
VD0810SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	11.0	16.4
129	11.7	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 18.006 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066164.D
Acq: 10 Aug 2020 15:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.1	141.4
145	30.9	14.9	44.9

