

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081820\
 Data File : VD066273.D
 Acq On : 18 Aug 2020 13:05
 Operator : VA/SY
 Sample : VD0818SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS01

Manual Integrations
 APPROVED

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 8/19/2020 5:23:08 PM

Quant Time: Aug 18 14:21:29 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	264908	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	379560	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	346265	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	183226	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	124045	52.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.98%	
35) Dibromofluoromethane	7.91	113	125087	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	
50) Toluene-d8	10.34	98	453970	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
62) 4-Bromofluorobenzene	12.63	95	164528	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	48571	20.811	ug/l	99
3) Chloromethane	2.21	50	33918	18.682	ug/l	91
4) Vinyl Chloride	2.35	62	35537	22.109	ug/l	96
5) Bromomethane	2.76	94	22561	21.156	ug/l	95
6) Chloroethane	2.91	64	20295	20.569	ug/l #	89
7) Trichlorofluoromethane	3.27	101	87724	20.934	ug/l	95
8) Diethyl Ether	3.70	74	22429	18.969	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.10	101	50776	20.417	ug/l	98
10) Methyl Iodide	4.30	142	41419	22.549	ug/l	96
11) Tert butyl alcohol	5.20	59	24841m	121.187	ug/l	
12) 1,1-Dichloroethene	4.06	96	45533	19.408	ug/l	94
13) Acrolein	3.92	56	11604	61.684	ug/l	94
14) Allyl chloride	4.71	41	64335	18.101	ug/l	95
15) Acrylonitrile	5.41	53	47424	95.180	ug/l	99
16) Acetone	4.16	43	48267	107.635	ug/l	98
17) Carbon Disulfide	4.41	76	132458	17.757	ug/l	98
18) Methyl Acetate	4.72	43	21846	19.179	ug/l	96
19) Methyl tert-butyl Ether	5.47	73	101400	18.857	ug/l	98
20) Methylene Chloride	4.96	84	66299	23.248	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	51248	19.015	ug/l	90
22) Diisopropyl ether	6.36	45	134270	19.104	ug/l	94
23) Vinyl Acetate	6.30	43	375292	91.144	ug/l	100
24) 1,1-Dichloroethane	6.27	63	85636	19.688	ug/l	98
25) 2-Butanone	7.21	43	62675	95.025	ug/l	99
26) 2,2-Dichloropropane	7.20	77	83143	21.327	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	56033	19.822	ug/l	99
28) Bromochloromethane	7.54	49	31145	20.387	ug/l	94
29) Tetrahydrofuran	7.56	42	36428	89.144	ug/l	96
30) Chloroform	7.71	83	91776	20.094	ug/l	98
31) Cyclohexane	7.98	56	75319	18.191	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	88292	20.618	ug/l	98
36) 1,1-Dichloropropene	8.11	75	71254	19.978	ug/l	99
37) Ethyl Acetate	7.29	43	26772	18.945	ug/l	98
38) Carbon Tetrachloride	8.09	117	84031	21.127	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	81672	18.942	ug/l	95
40) Benzene	8.34	78	192968	19.503	ug/l	96
41) Methacrylonitrile	7.53	41	18555m	22.331	ug/l	
42) 1,2-Dichloroethane	8.42	62	61077	21.013	ug/l	100
43) Isopropyl Acetate	8.44	43	50840	18.259	ug/l	97
44) Trichloroethene	9.11	130	58787	19.717	ug/l	99
45) 1,2-Dichloropropane	9.38	63	47886	19.788	ug/l	93
46) Dibromomethane	9.47	93	27232	20.430	ug/l	97
47) Bromodichloromethane	9.66	83	71469	20.287	ug/l	96
48) Methyl methacrylate	9.46	41	26734	18.803	ug/l	95
49) 1,4-Dioxane	9.46	88	6787	396.323	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	134774	94.233	ug/l	100
52) Toluene	10.40	92	132517	20.354	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	66289	19.827	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	79823	20.378	ug/l	92
55) 1,1,2-Trichloroethane	10.80	97	39043	20.342	ug/l	92
56) Ethyl methacrylate	10.66	69	44182	19.162	ug/l	95
57) 1,3-Dichloropropane	10.94	76	62733	19.688	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	110647	106.684	ug/l	98
59) 2-Hexanone	10.98	43	93424	93.075	ug/l	98
60) Dibromochloromethane	11.14	129	54393	20.527	ug/l	100
61) 1,2-Dibromoethane	11.24	107	35416	19.187	ug/l	95
64) Tetrachloroethene	10.87	164	54613	20.539	ug/l	97
65) Chlorobenzene	11.67	112	142239	20.235	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	56119	20.404	ug/l	98
67) Ethyl Benzene	11.74	91	242320	19.893	ug/l	100
68) m/p-Xylenes	11.86	106	189956	40.249	ug/l	94
69) o-Xylene	12.18	106	87208	20.313	ug/l	99
70) Styrene	12.19	104	157491	20.932	ug/l	99
71) Bromoform	12.36	173	33377	20.483	ug/l #	100
73) Isopropylbenzene	12.48	105	247208	20.212	ug/l	99
74) N-amyl acetate	12.29	43	48528	18.018	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	40521	19.429	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	27410m	17.939	ug/l	
77) Bromobenzene	12.76	156	63437	20.149	ug/l	99
78) n-propylbenzene	12.82	91	287537	20.224	ug/l	100
79) 2-Chlorotoluene	12.91	91	164695	20.254	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	208989	20.432	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	13348	19.311	ug/l	97
82) 4-Chlorotoluene	13.00	91	176334	20.542	ug/l	99
83) tert-Butylbenzene	13.23	119	175789	19.542	ug/l	94
84) 1,2,4-Trimethylbenzene	13.27	105	210247	20.539	ug/l	98
85) sec-Butylbenzene	13.40	105	253140	20.843	ug/l	99
86) p-Isopropyltoluene	13.52	119	234799	20.613	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	118535	20.032	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	119311	20.218	ug/l	99
89) n-Butylbenzene	13.85	91	207696	20.351	ug/l	99
90) Hexachloroethane	14.11	117	45742	20.134	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	105797	20.217	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.50	75	7121	19.867	ug/l	97

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ClientSampleId :
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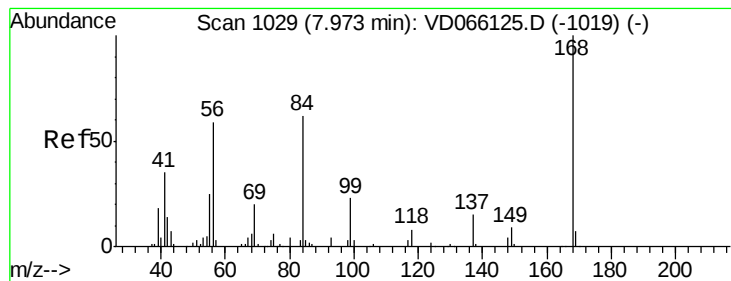
Manual Integrations
APPROVED

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QLast Update : Wed Aug 05 13:49:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	74017	19.193	ug/l	98
94) Hexachlorobutadiene	15.27	225	45705	20.126	ug/l	99
95) Naphthalene	15.41	128	117013	18.621	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	66409	19.507	ug/l	99

(#) = 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: VD066273.D

Acq: 18 Aug 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBS01

Tot Ion:168 Resp: 264908

Ion Ratio Lower Upper

168 100

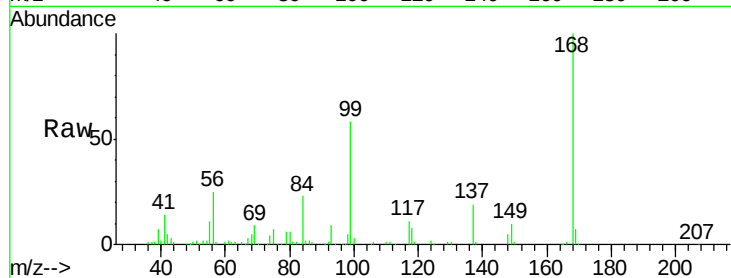
99 57.3 42.2 63.4

Manual Integrations

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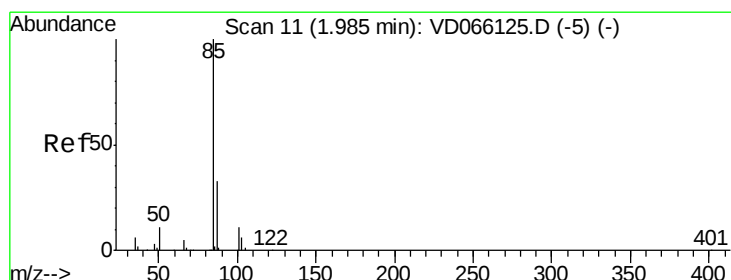
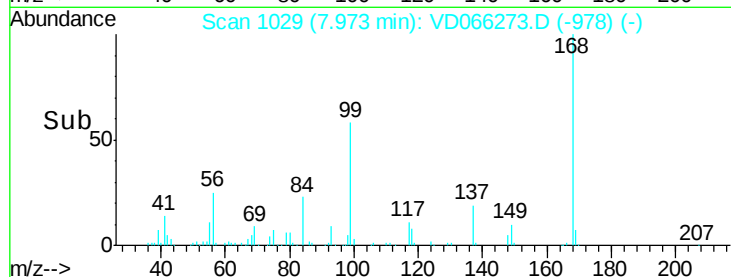
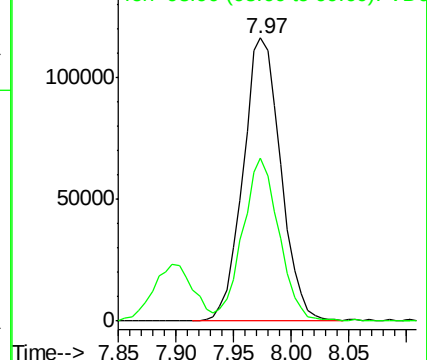
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.811 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066273.D

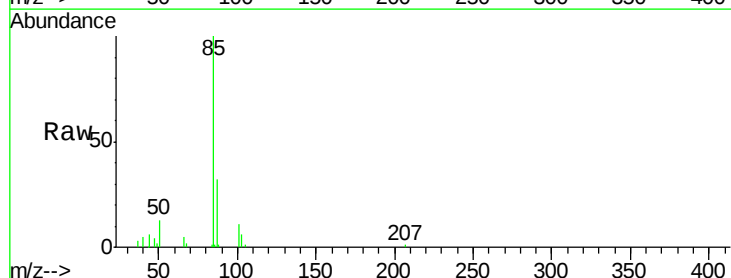
Acq: 18 Aug 2020 13:05

Tgt Ion: 85 Resp: 48571

Ion Ratio Lower Upper

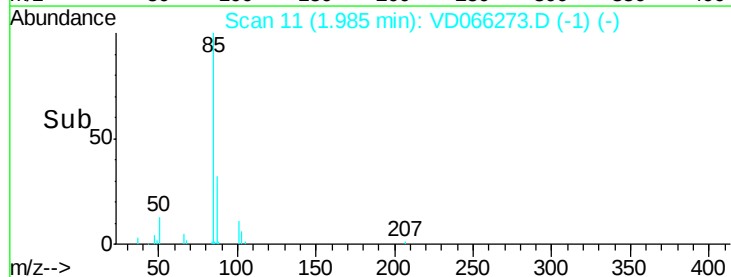
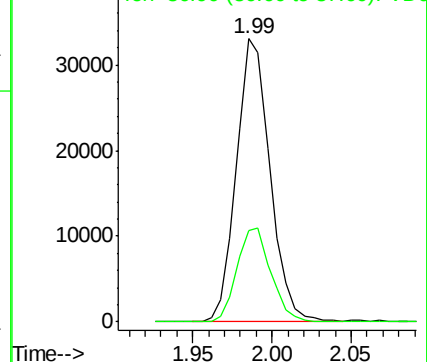
85 100

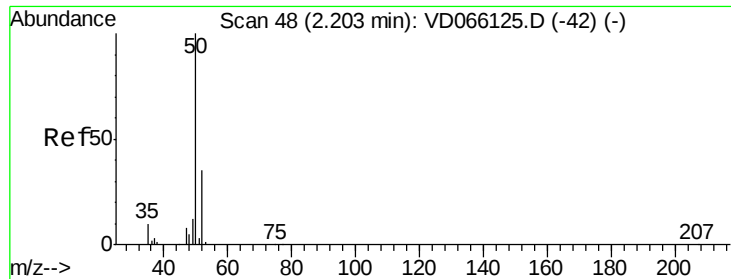
87 32.1 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.682 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD066273.D

Acq: 18 Aug 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBS01

Tot Ion: 50 Resp: 33918

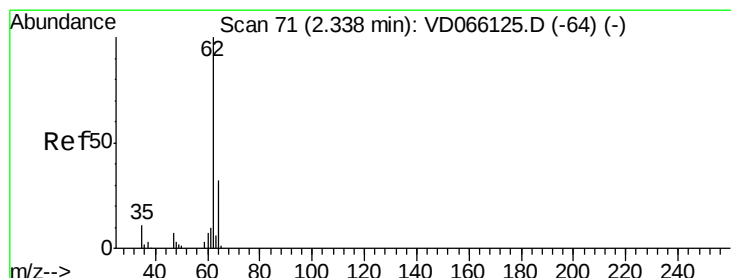
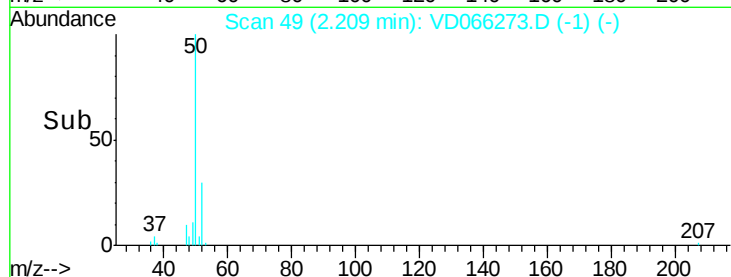
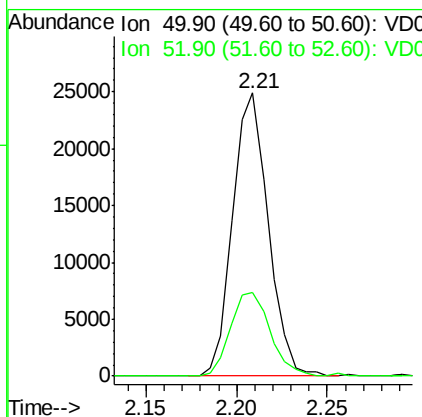
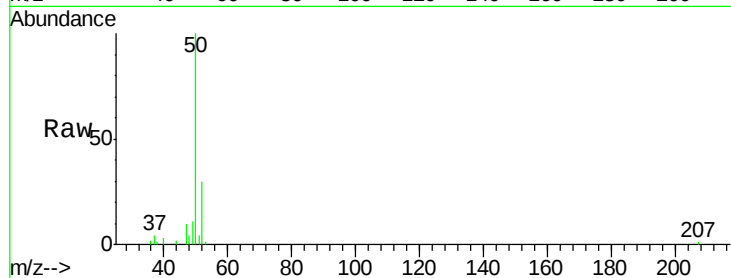
Ion Ratio Lower Upper

50 100

52 29.6 27.9 41.9

Manual Integrations
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#4

Vinyl Chloride

Concen: 22.109 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD066273.D

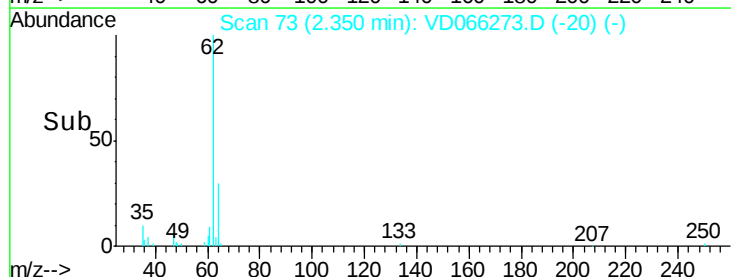
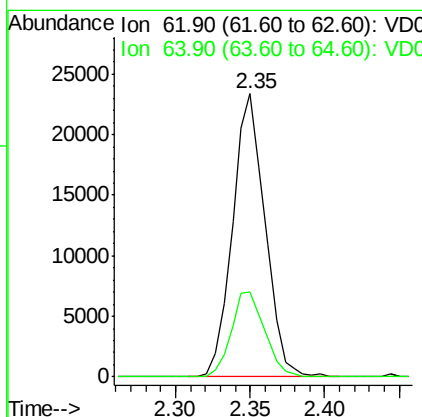
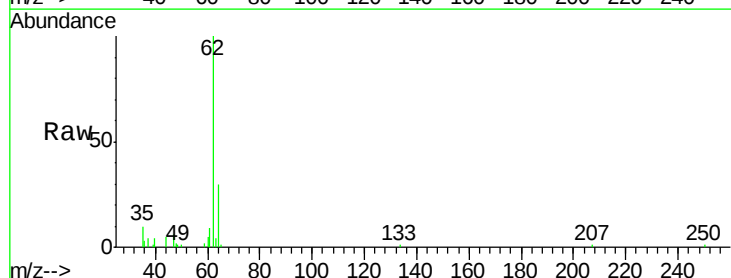
Acq: 18 Aug 2020 13:05

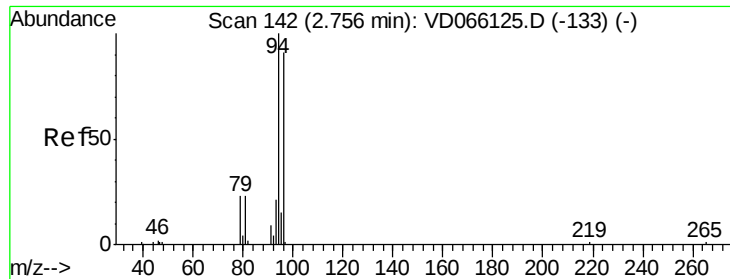
Tgt Ion: 62 Resp: 35537

Ion Ratio Lower Upper

62 100

64 30.1 25.8 38.8





#5

Bromomethane

Concen: 21.156 ug/l

RT: 2.76 min Scan# 142

Delta R.T. 0.00 min

Lab File: VD066273.D

Acq: 18 Aug 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBS01

Tot Ion: 94 Resp: 22561

Ion Ratio Lower Upper

94 100

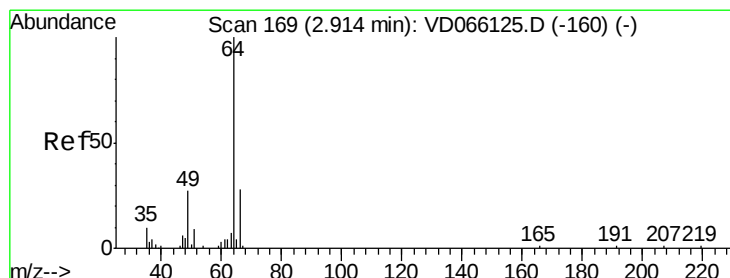
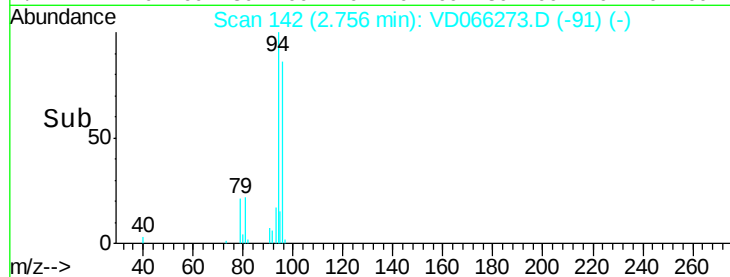
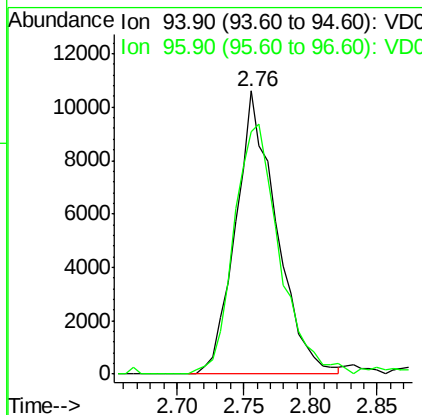
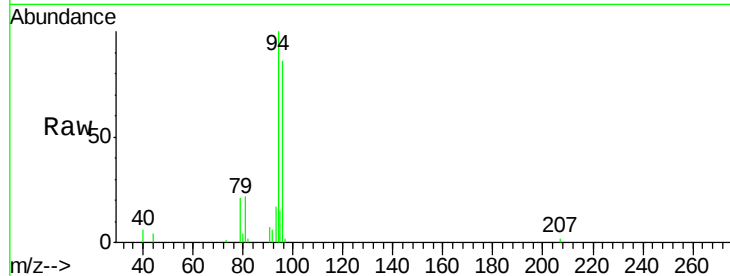
96 85.7 72.6 109.0

Manual Integrations

APPROVED

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#6

Chloroethane

Concen: 20.569 ug/l

RT: 2.91 min Scan# 169

Delta R.T. 0.00 min

Lab File: VD066273.D

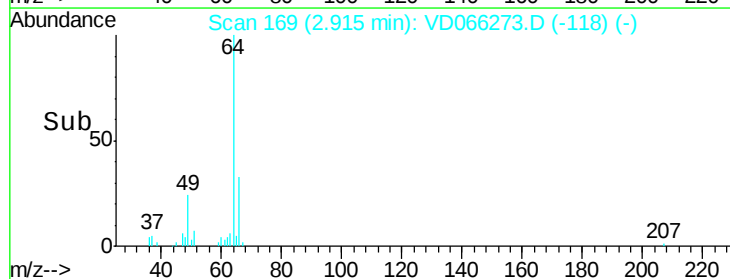
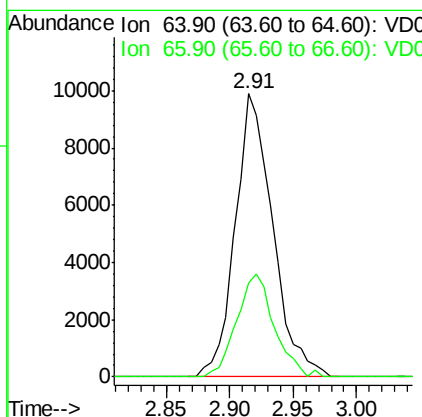
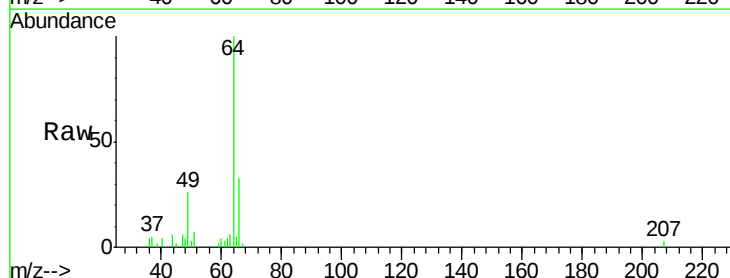
Acq: 18 Aug 2020 13:05

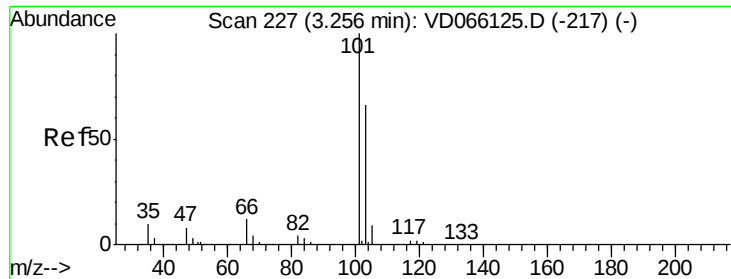
Tgt Ion: 64 Resp: 20295

Ion Ratio Lower Upper

64 100

66 33.1 22.0 33.0#





#7

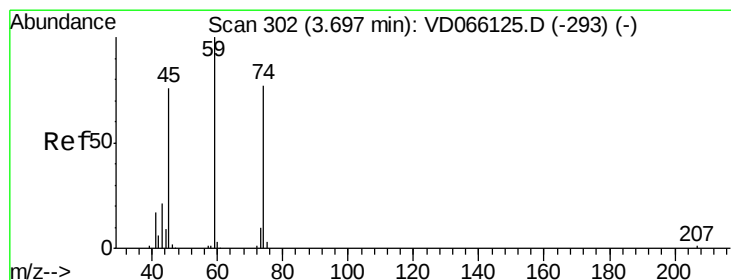
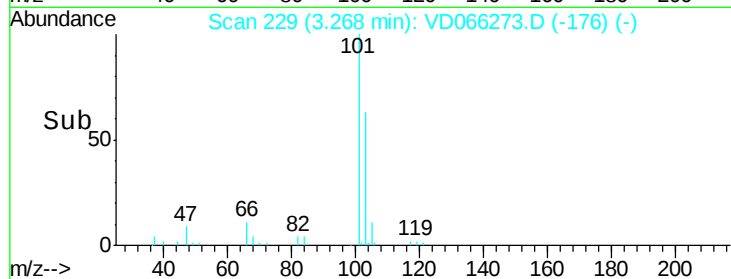
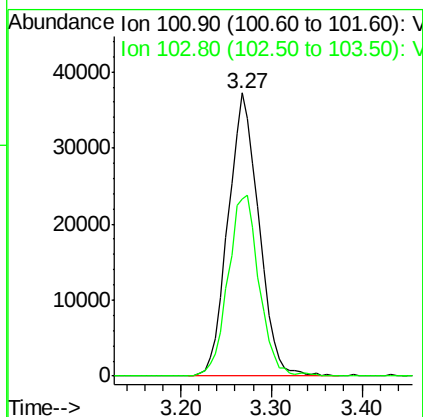
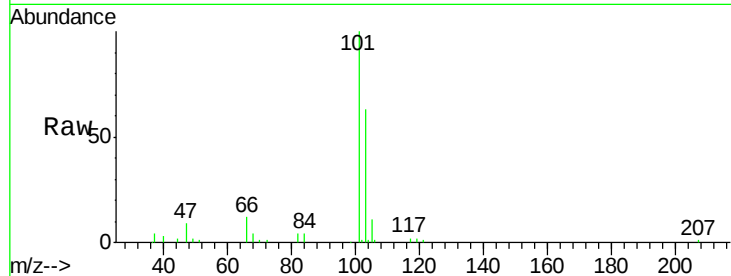
Trichlorofluoromethane
Concen: 20.934 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.01 min
Lab File: VD066273.D
Acq: 18 Aug 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.6	53.0	79.6

Manual Integrations
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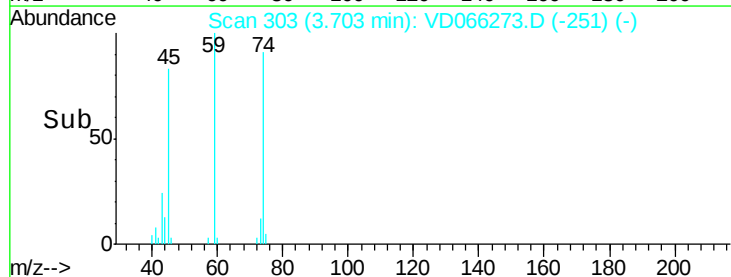
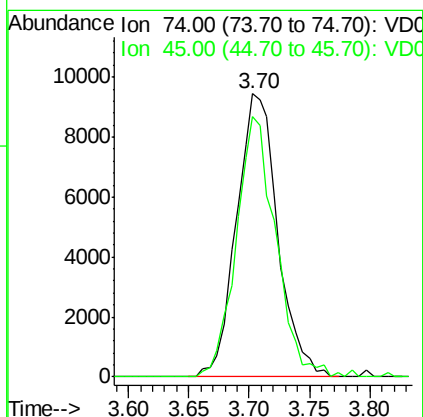
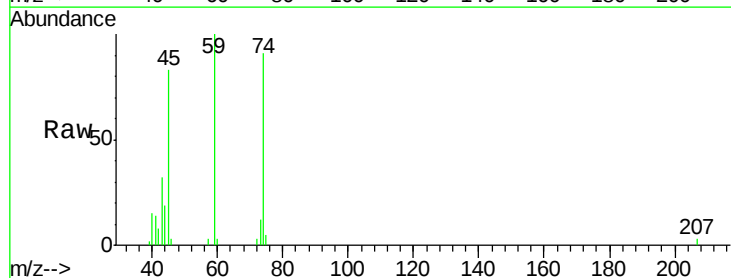
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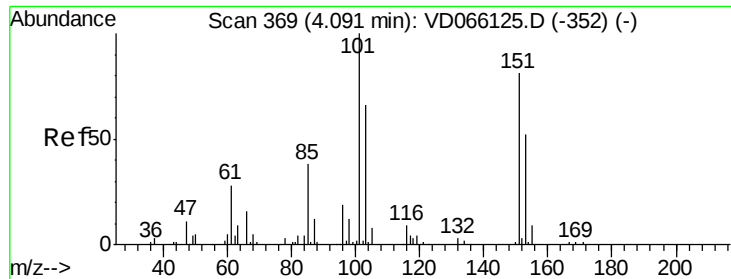


#8

Diethyl Ether
Concen: 18.969 ug/l
RT: 3.70 min Scan# 303
Delta R.T. 0.01 min
Lab File: VD066273.D
Acq: 18 Aug 2020 13:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.1	48.4	145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.417 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD066273.D

Acq: 18 Aug 2020 13:05

Instrument :

MSVOA_D

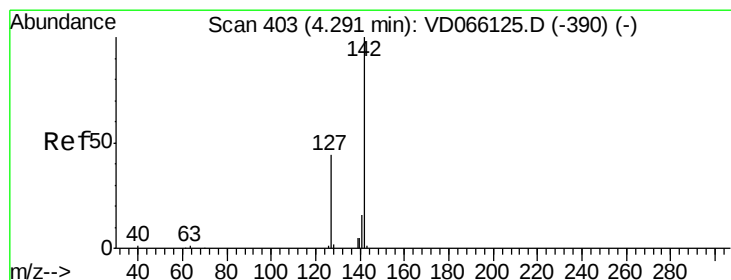
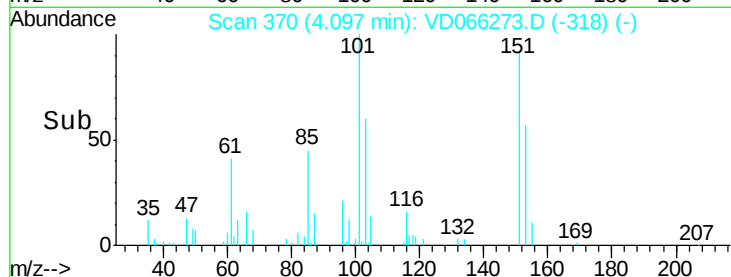
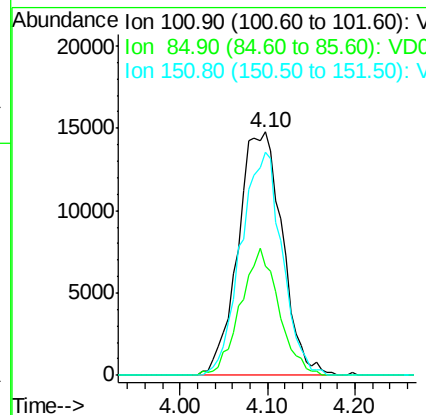
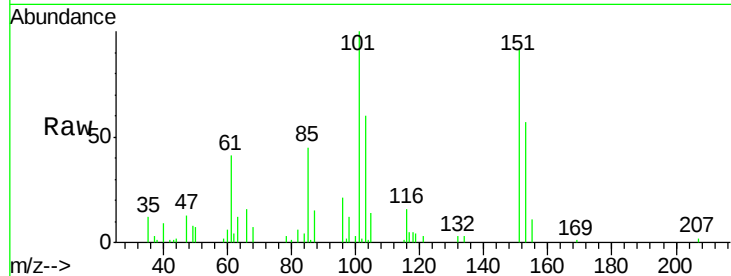
ClientSampleId :

VD0818SBS01

Tot Ion:	101	Resp:	50776
Ion Ratio	Lower	Upper	
101	100		
85	45.1	33.5	50.3
151	85.8	67.8	101.8

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#10

Methyl Iodide

Concen: 22.549 ug/l

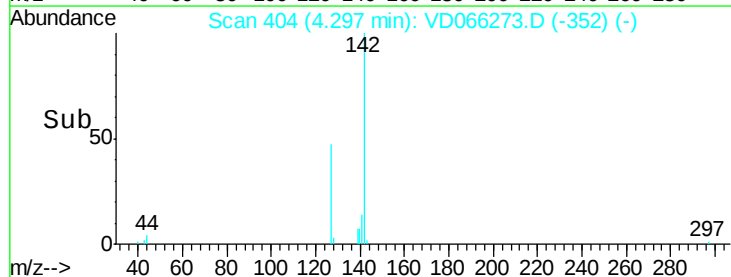
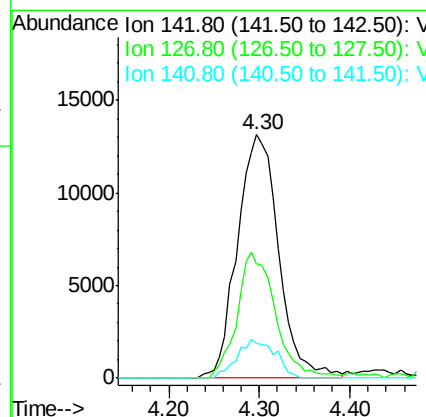
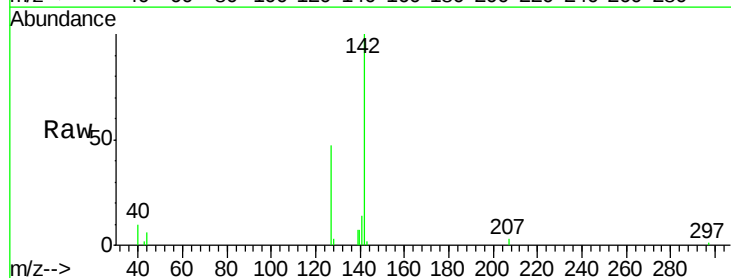
RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD066273.D

Acq: 18 Aug 2020 13:05

Tgt Ion:	142	Resp:	41419
Ion Ratio	Lower	Upper	
142	100		
127	48.2	36.2	54.4
141	14.8	12.6	18.8





#11

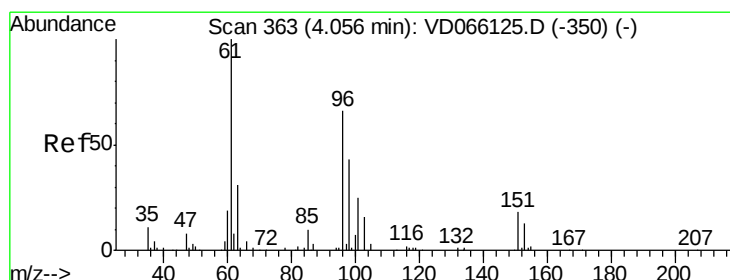
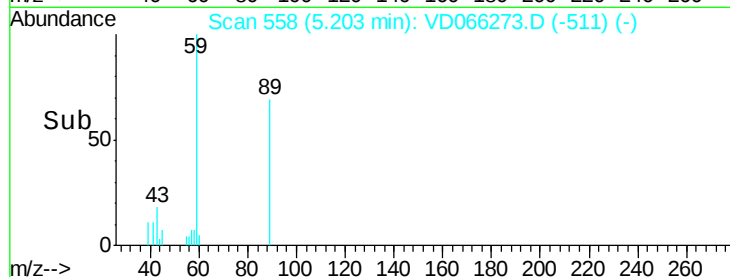
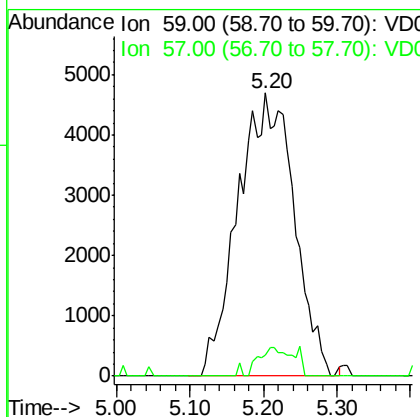
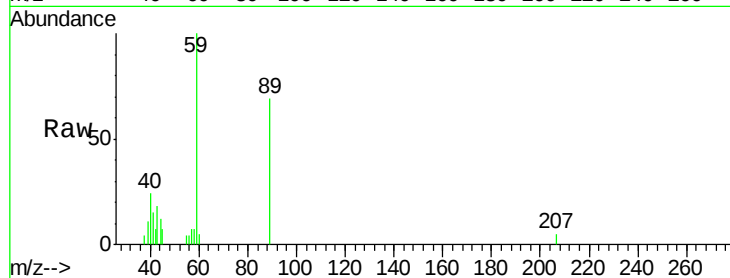
Tert butyl alcohol
 Concen: 121.187 ug/l m
 RT: 5.20 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: VD066273.D
 Acq: 18 Aug 2020 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS01

Tot Ion: 59 Resp: 24841
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.0 10.4#

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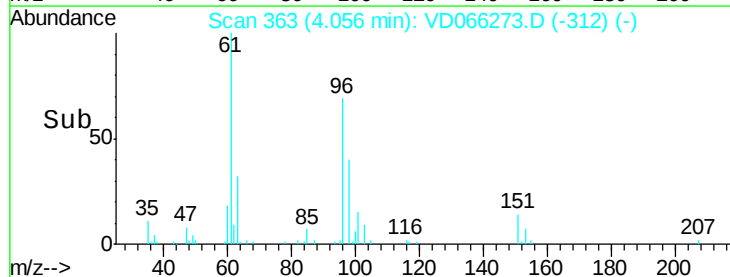
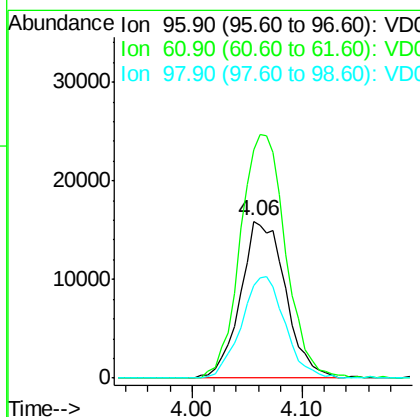
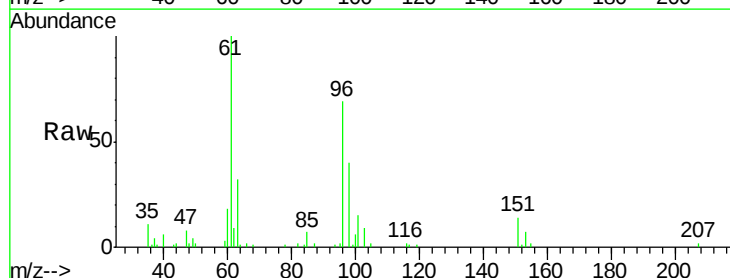
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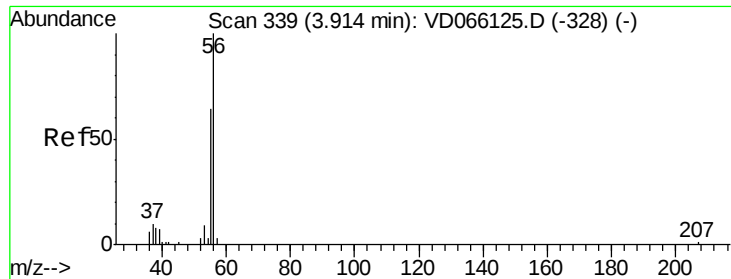


#12

1,1-Dichloroethene
 Concen: 19.408 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. 0.00 min
 Lab File: VD066273.D
 Acq: 18 Aug 2020 13:05

Tgt Ion: 96 Resp: 45533
 Ion Ratio Lower Upper
 96 100
 61 145.2 121.6 182.4
 98 58.6 52.0 78.0





#13

Acrolein

Concen: 61.684 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.01 min

Lab File: VD066273.D

Acq: 18 Aug 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBS01

Tot Ion: 56 Resp: 11604

Ion Ratio Lower Upper

56 100

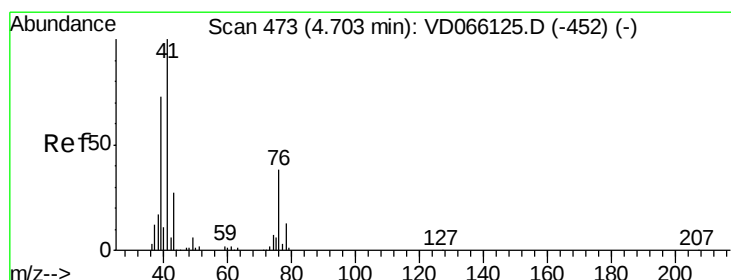
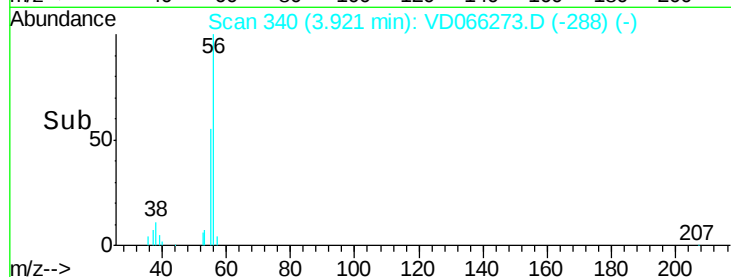
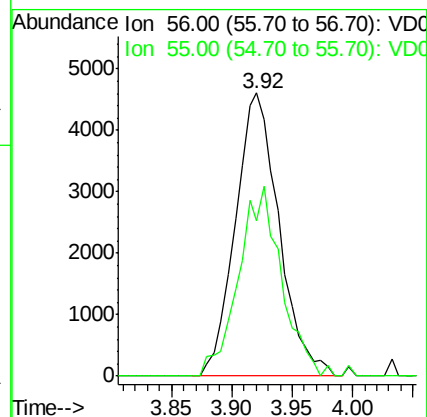
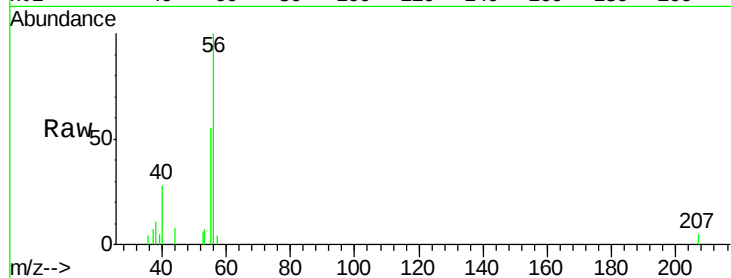
55 65.6 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 18.101 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.01 min

Lab File: VD066273.D

Acq: 18 Aug 2020 13:05

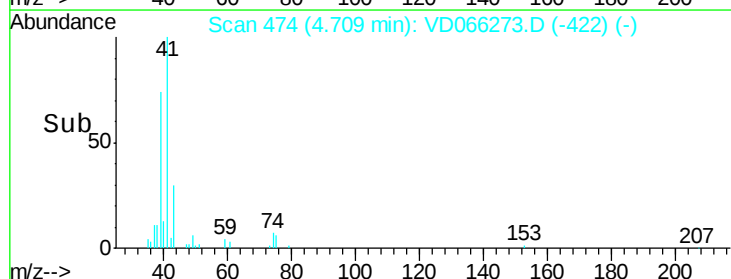
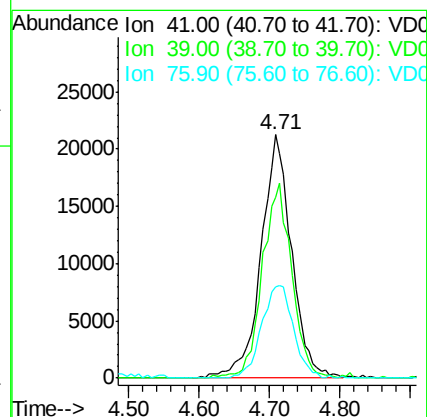
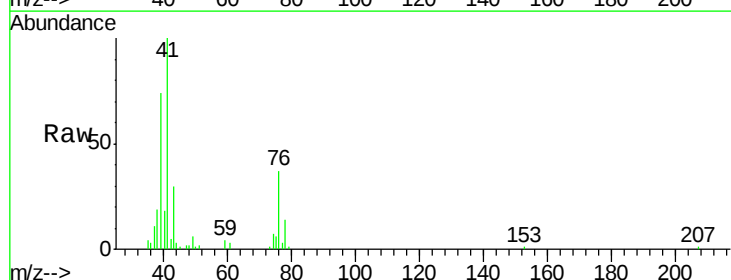
Tgt Ion: 41 Resp: 64335

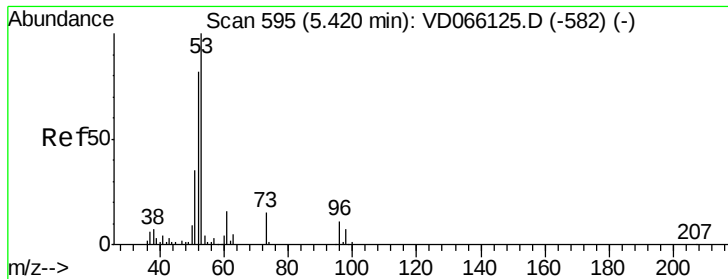
Ion Ratio Lower Upper

41 100

39 77.2 57.4 86.0

76 39.4 30.1 45.1





#15

Acrylonitrile

Concen: 95.180 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD066273.D

Acq: 18 Aug 2020 13:05

Instrument :

MSVOA_D

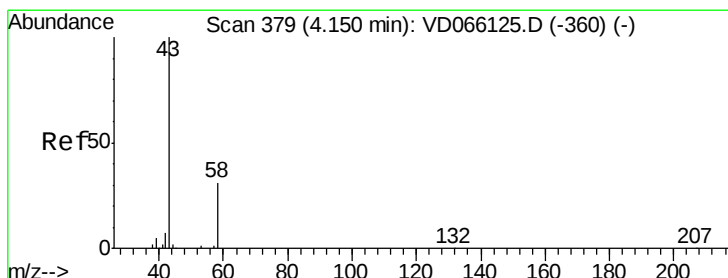
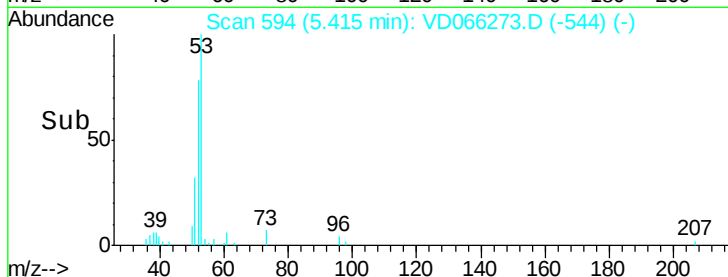
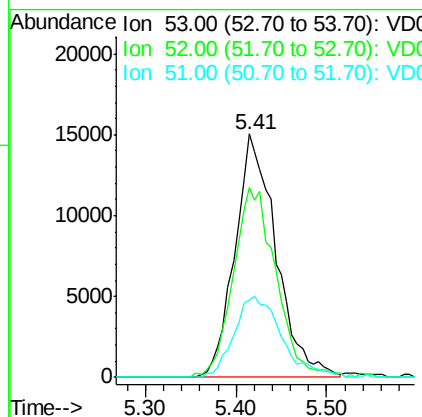
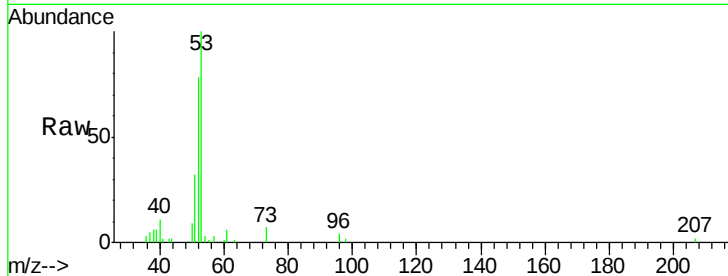
ClientSampleId :

VD0818SBS01

Tot Ion:	53	Resp:	47424
Ion Ratio	Lower	Upper	
53	100		
52	80.9	66.1	99.1
51	38.7	30.8	46.2

Manual Integrations
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#16

Acetone

Concen: 107.635 ug/l

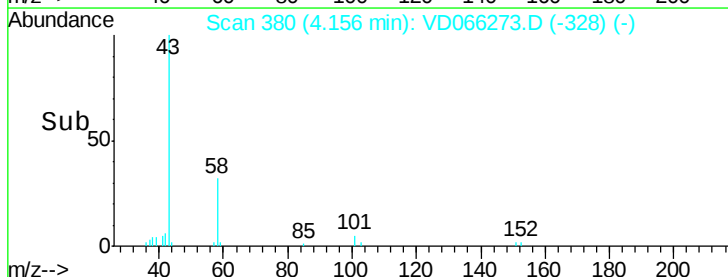
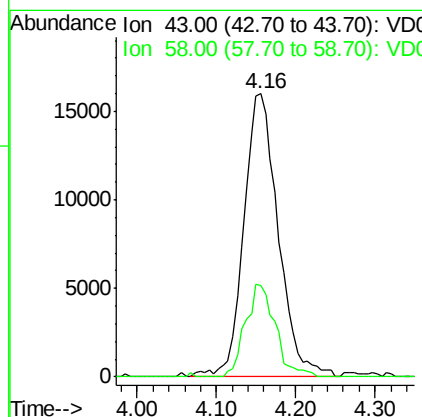
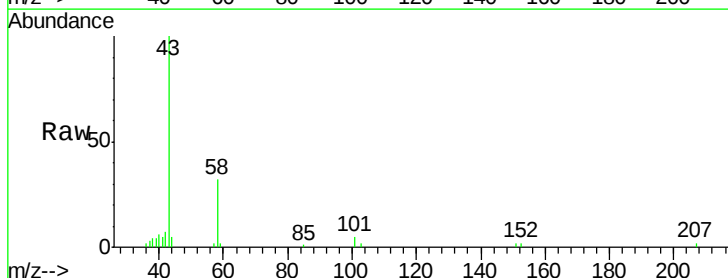
RT: 4.16 min Scan# 380

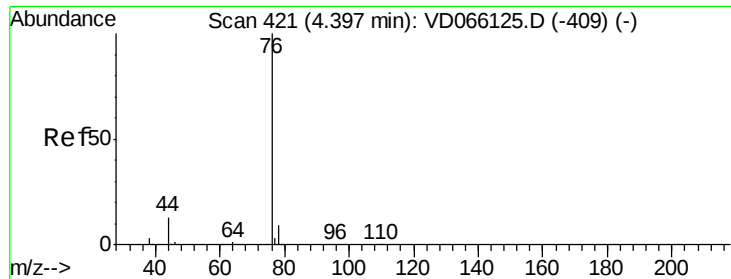
Delta R.T. 0.01 min

Lab File: VD066273.D

Acq: 18 Aug 2020 13:05

Tgt Ion:	43	Resp:	48267
Ion Ratio	Lower	Upper	
43	100		
58	32.2	24.7	37.1





#17

Carbon Disulfide

Concen: 17.757 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.01 min

Lab File: VD066273.D

Acq: 18 Aug 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBS01

Tot Ion: 76 Resp: 132458

Ion Ratio Lower Upper

76 100

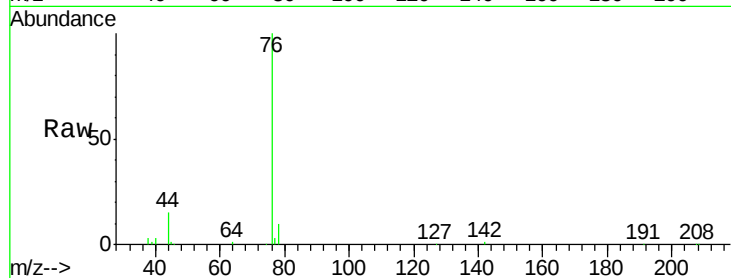
78 10.2 7.5 11.3

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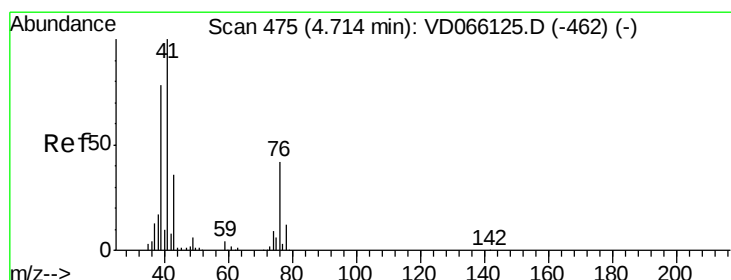
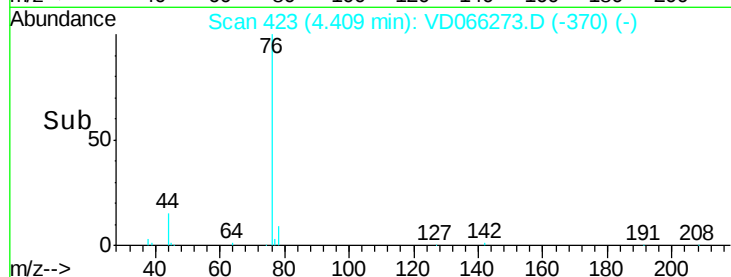
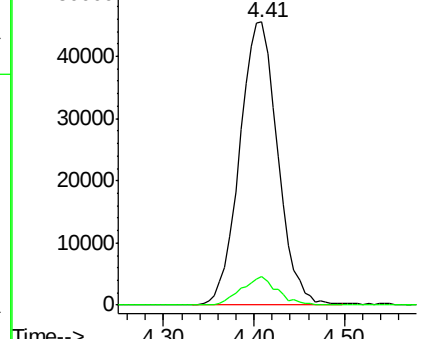
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 19.179 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD066273.D

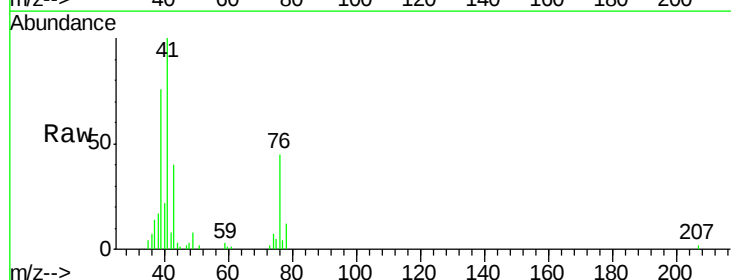
Acq: 18 Aug 2020 13:05

Tgt Ion: 43 Resp: 21846

Ion Ratio Lower Upper

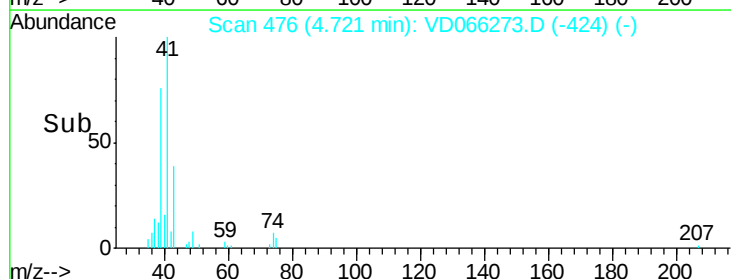
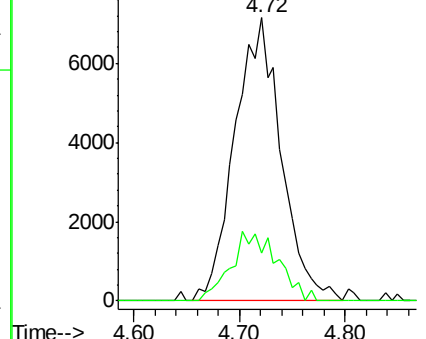
43 100

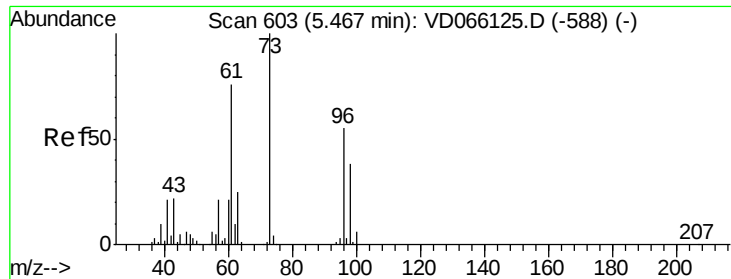
74 24.2 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





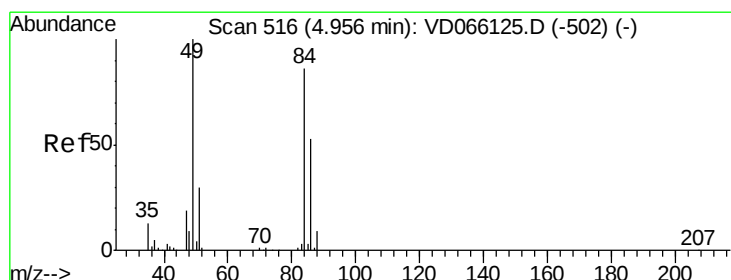
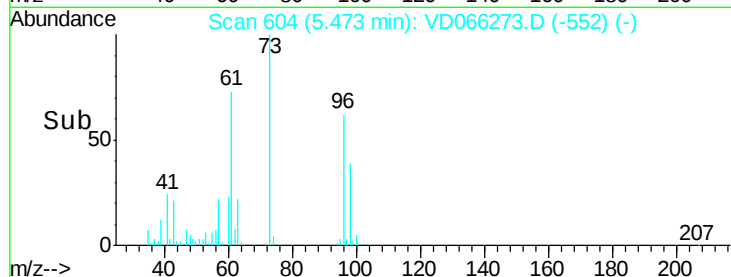
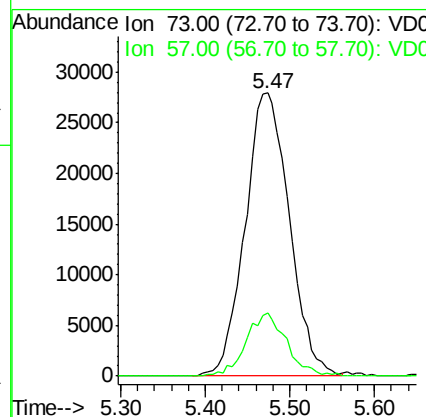
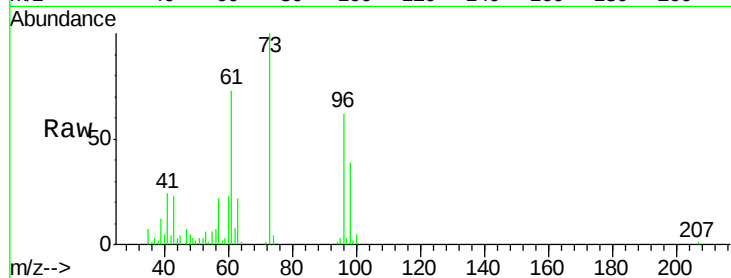
#19
Methvl tert-butvl Ether
Concen: 18.857 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.01 min
Lab File: VD066273.D
Acq: 18 Aug 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS01

Tot Ion: 73 Resp: 101400
Ion Ratio Lower Upper
73 100
57 22.4 17.1 25.7

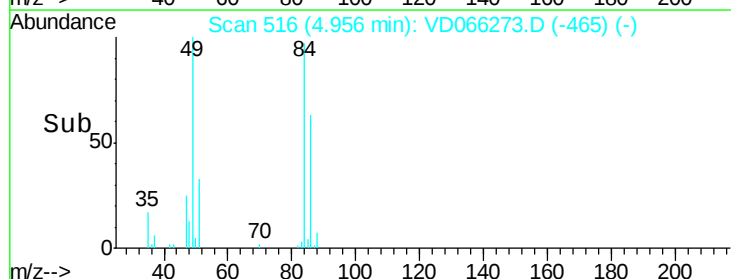
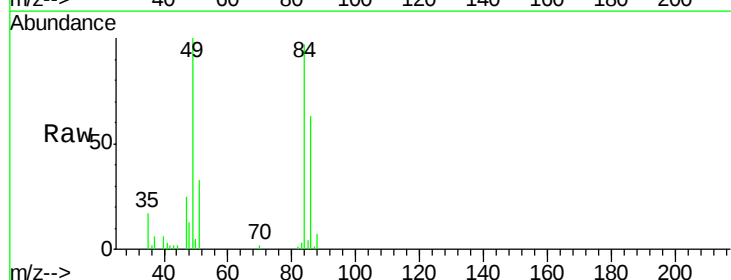
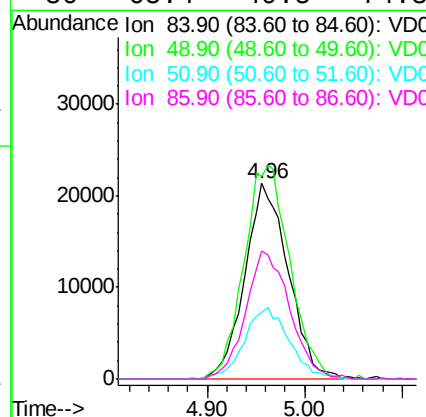
Manual Integrations
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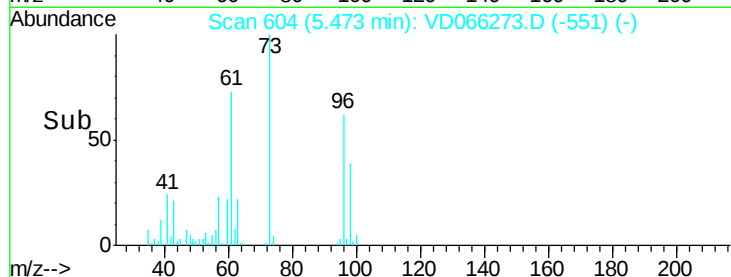
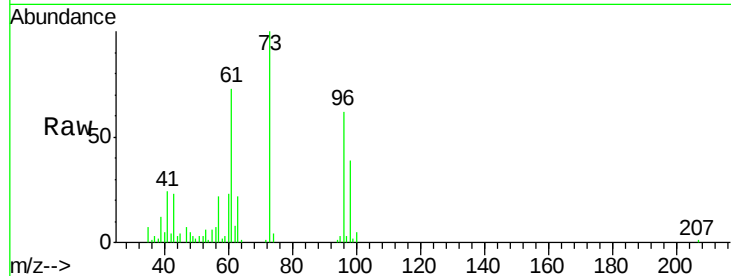
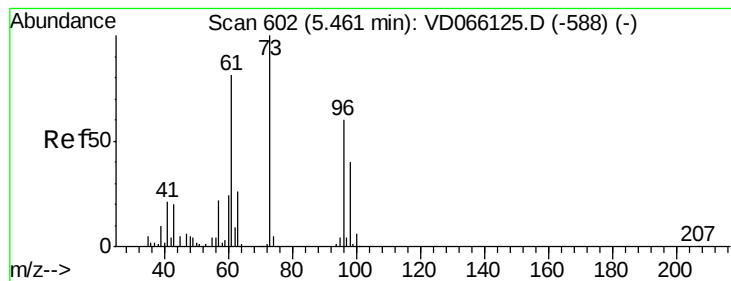
MMDadoda
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#20
Methylene Chloride
Concen: 23.248 ug/l
RT: 4.96 min Scan# 516
Delta R.T. 0.00 min
Lab File: VD066273.D
Acq: 18 Aug 2020 13:05

Tgt Ion: 84 Resp: 66299
Ion Ratio Lower Upper
84 100
49 102.8 93.5 140.3
51 33.9 28.2 42.4
86 65.4 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 19.015 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD066273.D

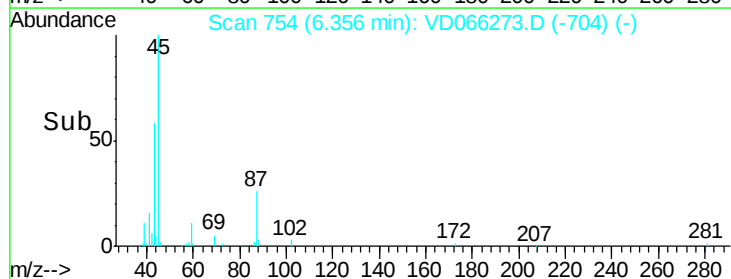
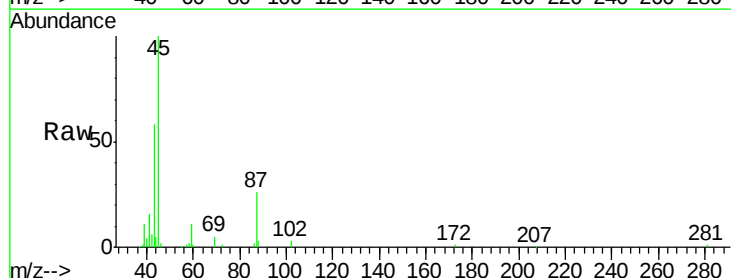
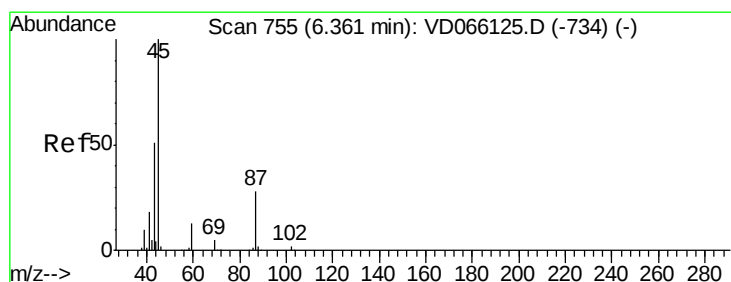
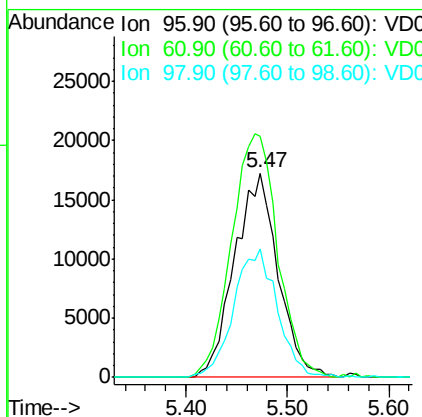
Acq: 18 Aug 2020 13:05

Tot Ion:	96	Resp:	51248
Ion	Ratio	Lower	Upper
96	100		
61	118.0	106.9	160.3
98	62.6	53.4	80.0

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS01

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.104 ug/l

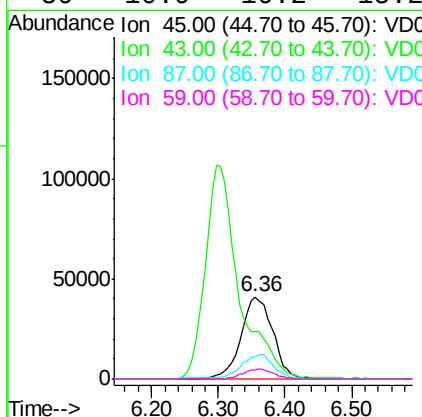
RT: 6.36 min Scan# 754

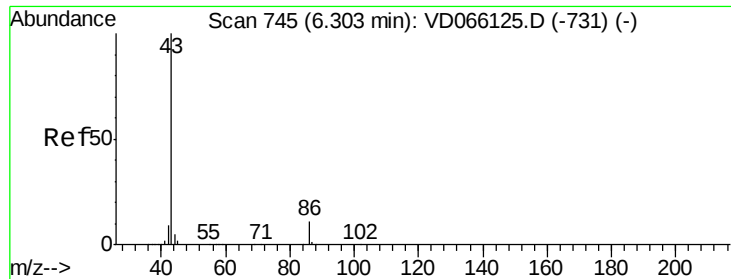
Delta R.T. -0.01 min

Lab File: VD066273.D

Acq: 18 Aug 2020 13:05

Tgt Ion:	45	Resp:	134270
Ion	Ratio	Lower	Upper
45	100		
43	56.0	41.2	61.8
87	26.2	22.8	34.2
59	10.9	10.2	15.2





#23

Vinyl Acetate

Concen: 91.144 ug/l

RT: 6.30 min Scan# 744

Delta R.T. -0.01 min

Lab File: VD066273.D

Acq: 18 Aug 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBS01

Tot Ion: 43 Resp: 375292

Ion Ratio Lower Upper

43 100

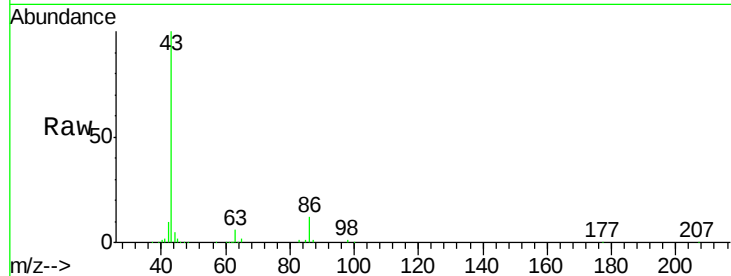
86 11.5 9.1 13.7

Manual Integrations

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MMDadoda

8/19/2020 5:23:08 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

120000

100000

80000

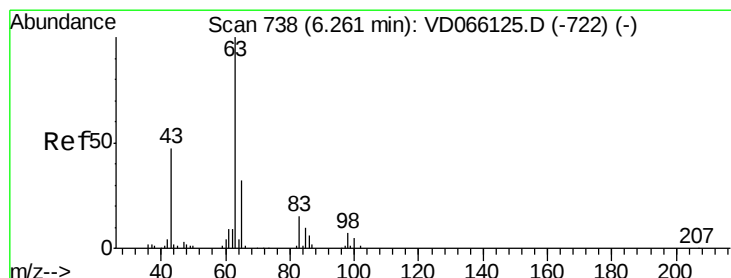
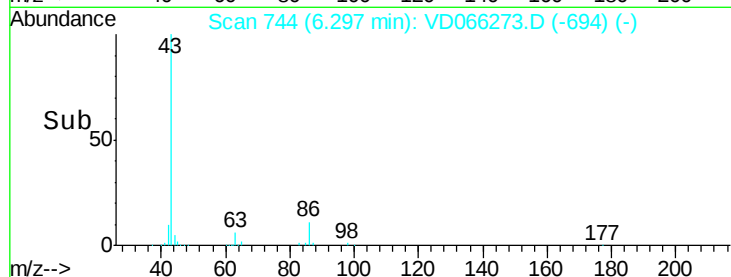
60000

40000

20000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 19.688 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD066273.D

Acq: 18 Aug 2020 13:05

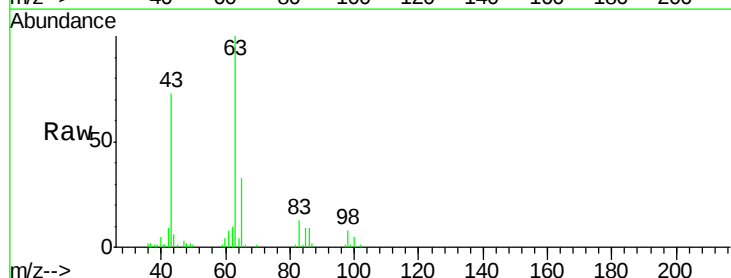
Tgt Ion: 63 Resp: 85636

Ion Ratio Lower Upper

63 100

98 8.0 3.5 10.5

100 4.7 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

6.27

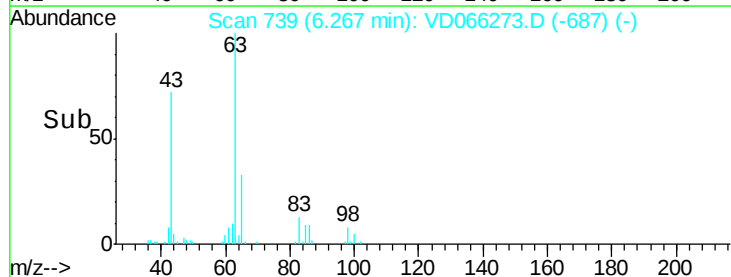
30000

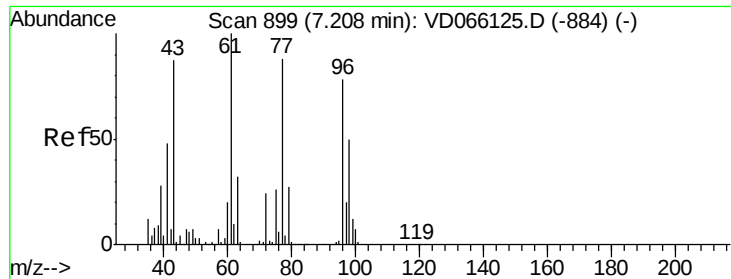
20000

10000

0

Time--> 6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 95.025 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066273.D

Acq: 18 Aug 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBS01

Tot Ion: 43 Resp: 62675

Ion Ratio Lower Upper

43 100

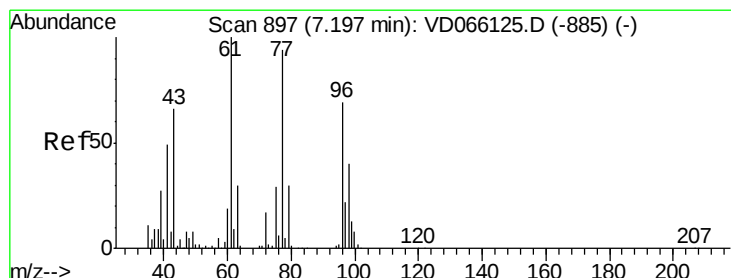
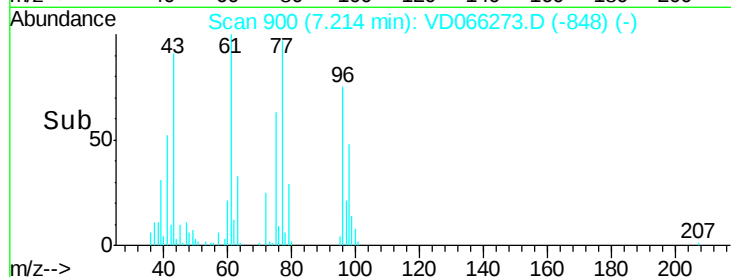
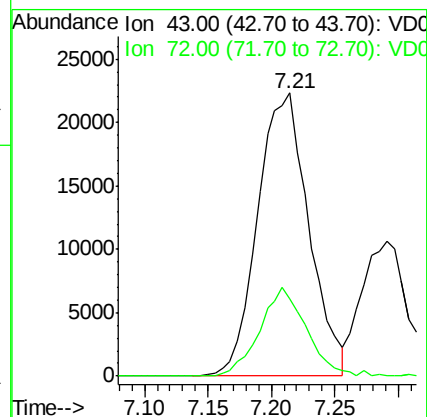
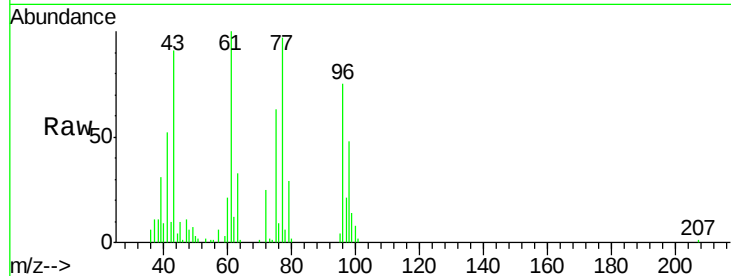
72 27.3 22.2 33.2

Manual Integrations

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MMDadoda

8/19/2020 5:23:08 PM



#26

2,2-Dichloropropane

Concen: 21.327 ug/l

RT: 7.20 min Scan# 898

Delta R.T. 0.01 min

Lab File: VD066273.D

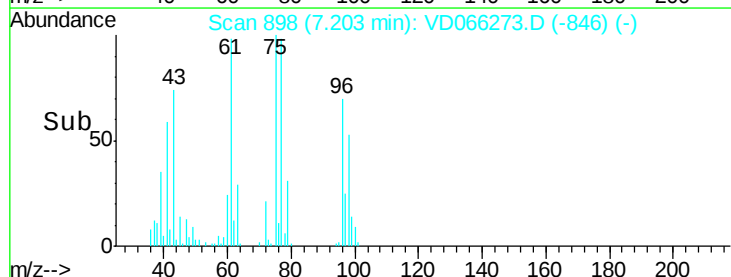
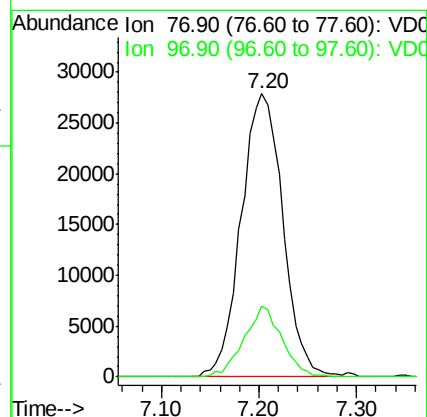
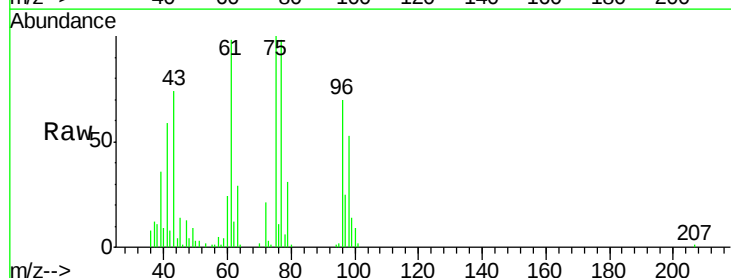
Acq: 18 Aug 2020 13:05

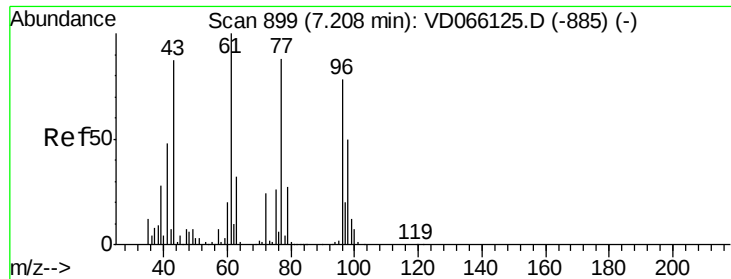
Tgt Ion: 77 Resp: 83143

Ion Ratio Lower Upper

77 100

97 22.6 11.8 35.3





#27

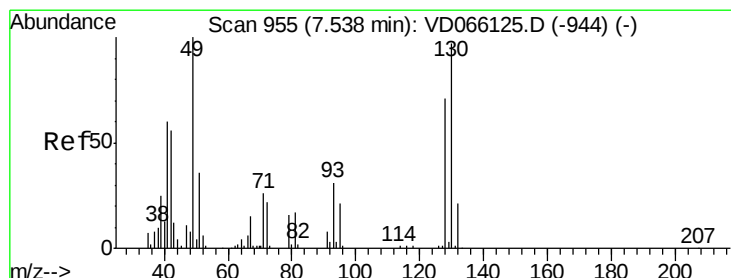
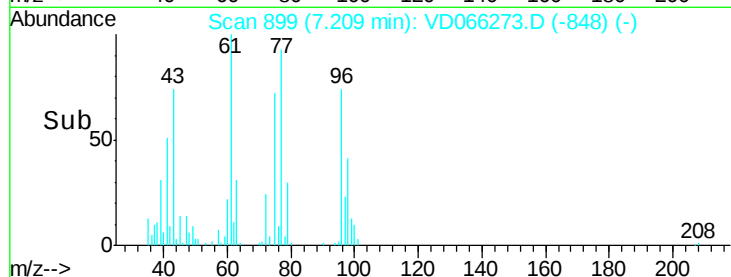
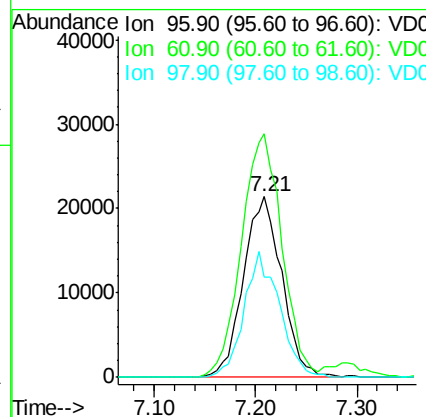
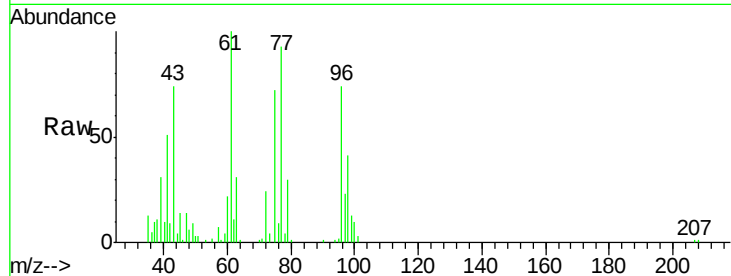
cis-1,2-Dichloroethene
 Concen: 19.822 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD066273.D
 Acq: 18 Aug 2020 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	56033		
61	142.5		0.0	281.6
98	64.2		0.0	130.8

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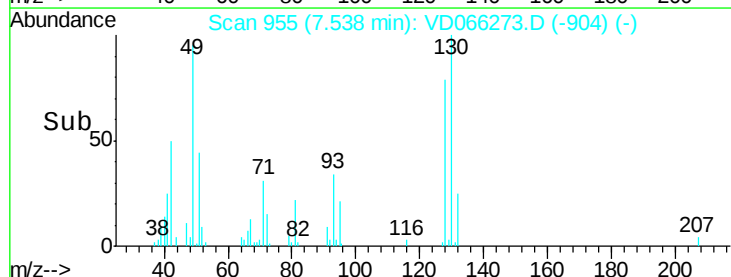
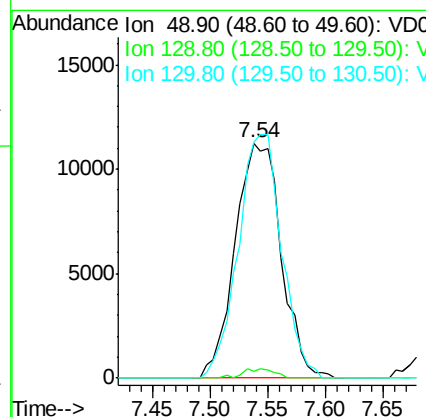
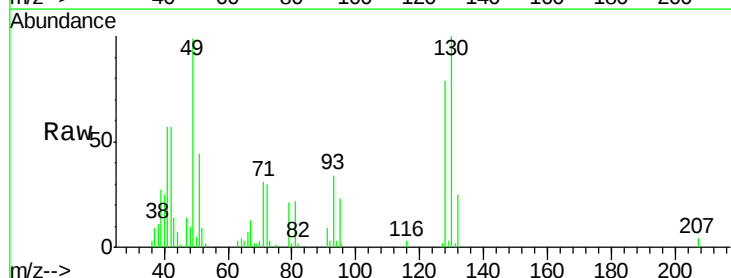
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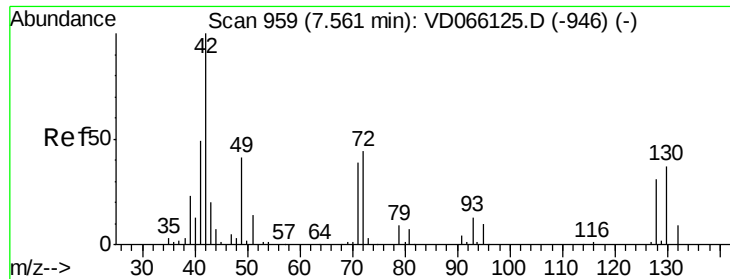


#28

Bromochloromethane
 Concen: 20.387 ug/l
 RT: 7.54 min Scan# 955
 Delta R.T. 0.00 min
 Lab File: VD066273.D
 Acq: 18 Aug 2020 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	31145		
129	2.7		0.0	6.0
130	97.9		73.8	110.6





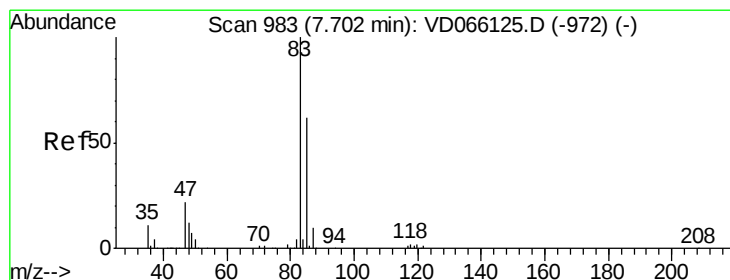
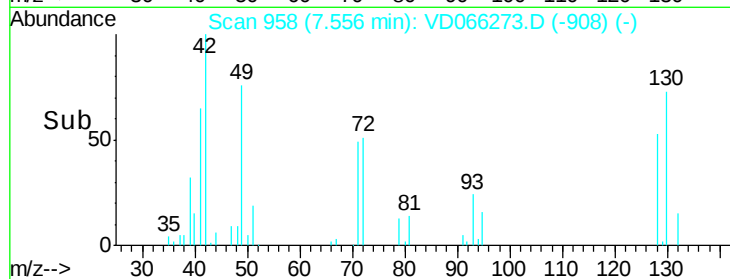
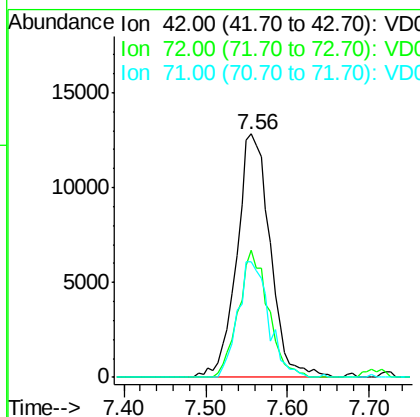
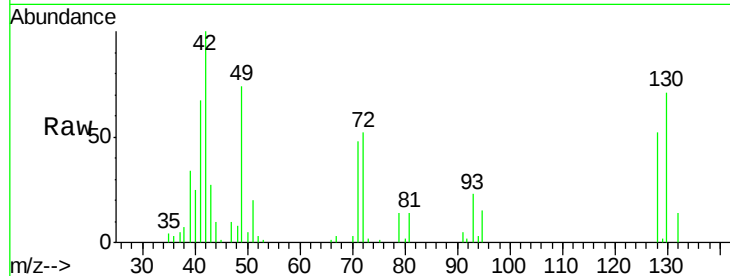
#29
Tetrahydrofuran
Concen: 89.144 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066273.D
Acq: 18 Aug 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.8	34.8	52.2
71	44.0	33.5	50.3

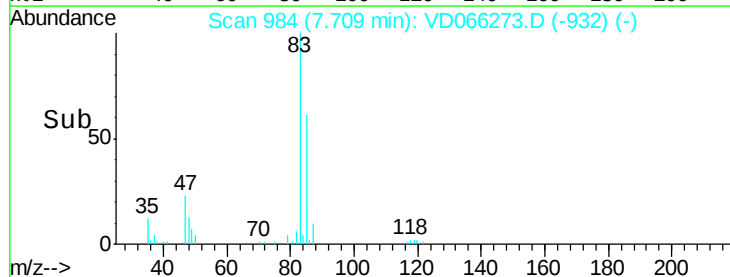
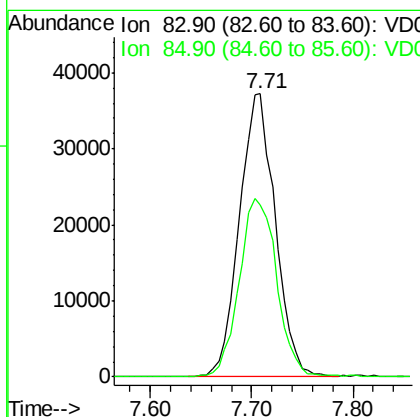
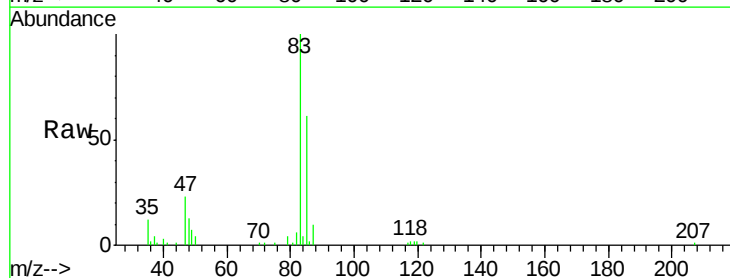
Manual Integrations
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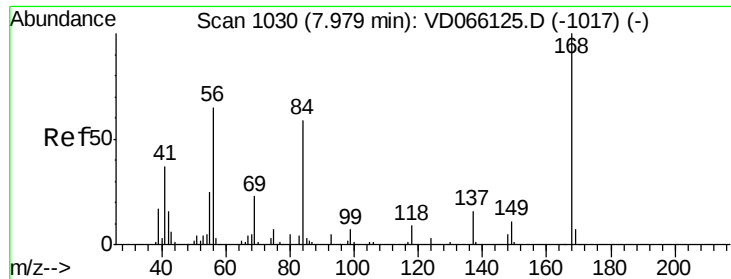
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#30
Chloroform
Concen: 20.094 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.01 min
Lab File: VD066273.D
Acq: 18 Aug 2020 13:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.6	49.5	74.3





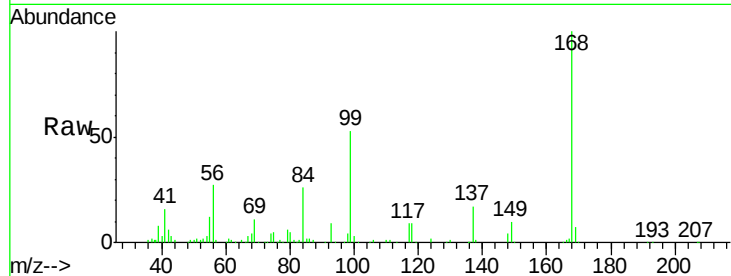
#31
Cyclohexane
Concen: 18.191 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066273.D
Acq: 18 Aug 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.6	28.8	43.2
84	96.2	73.0	109.6

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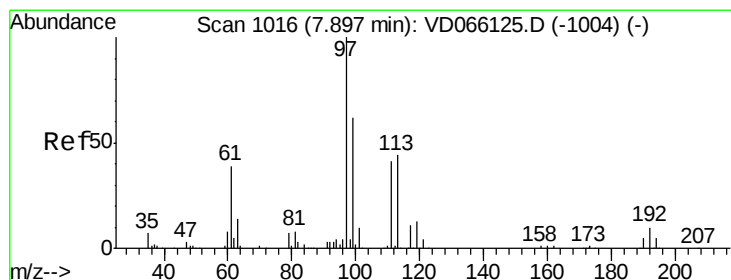
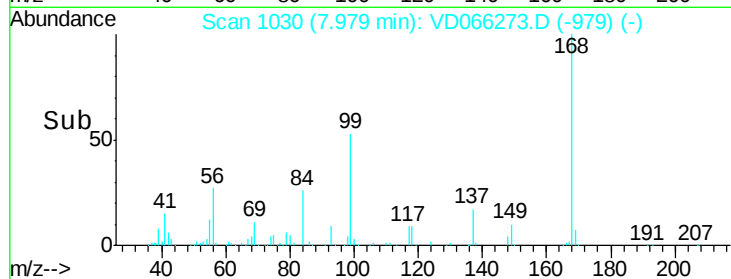
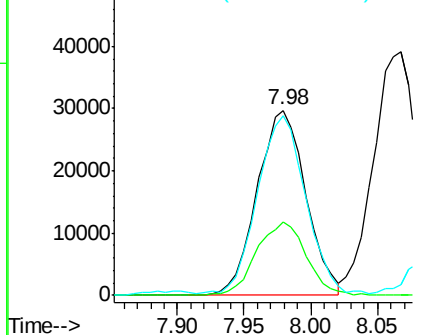


Abundance

Ion 56.00 (55.70 to 56.70): VDC

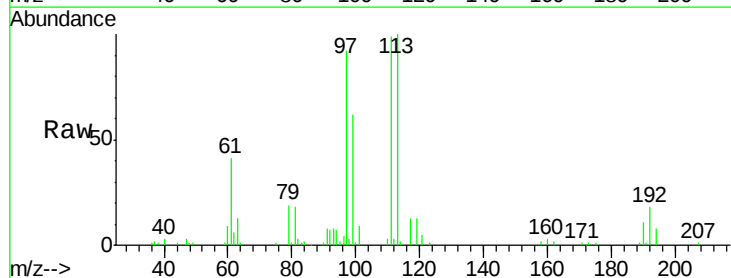
Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC



#32
1,1,1-Trichloroethane
Concen: 20.618 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VD066273.D
Acq: 18 Aug 2020 13:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.1	76.7
61	42.6	32.7	49.1

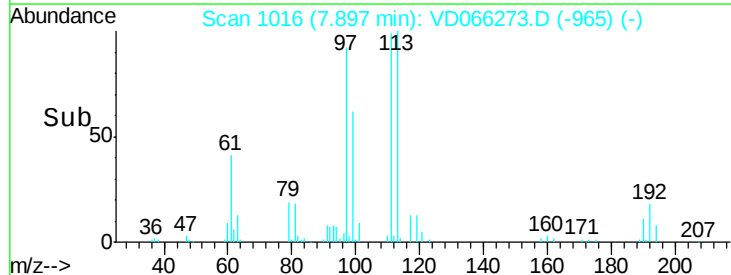
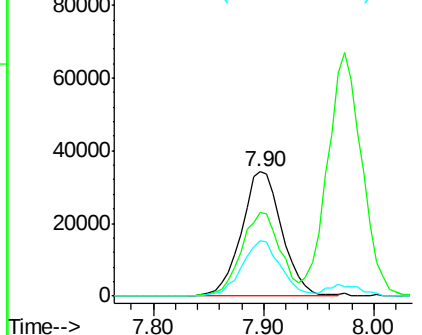


Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 52.486 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066273.D

Acq: 18 Aug 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBS01

Tot Ion: 65 Resp: 124045

Ion Ratio Lower Upper

65 100

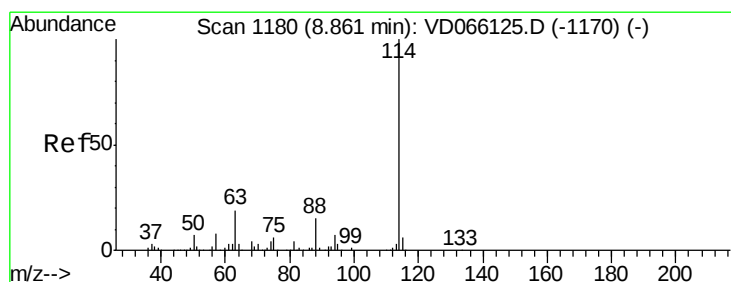
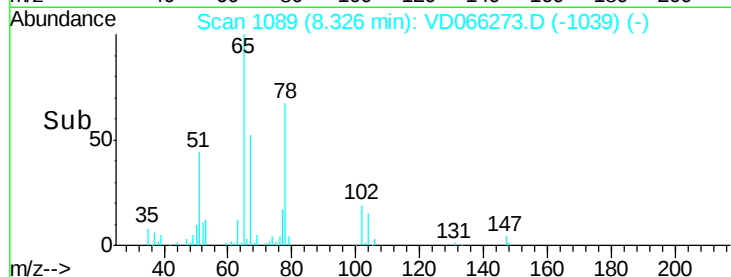
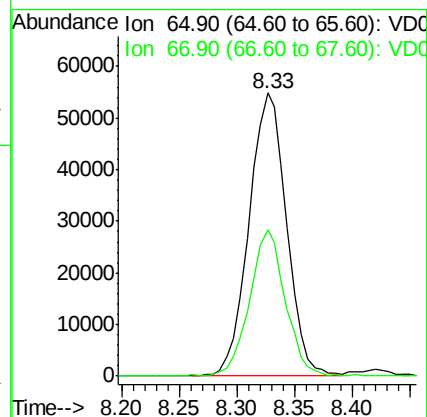
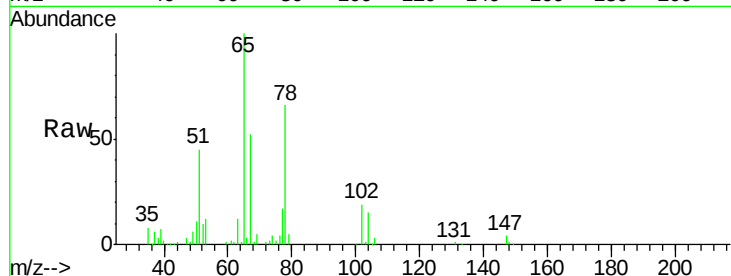
67 49.1 0.0 104.6

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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: VD066273.D

Acq: 18 Aug 2020 13:05

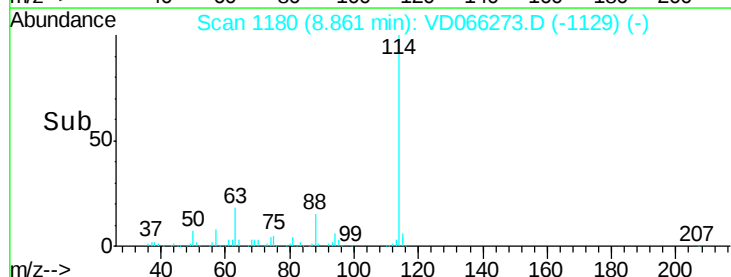
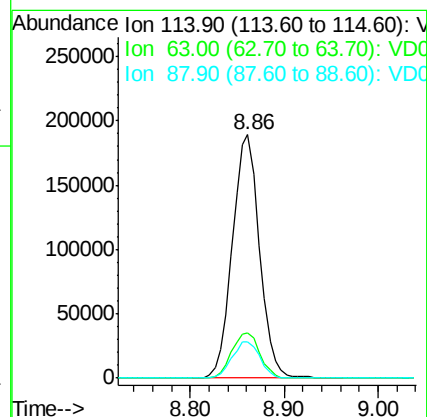
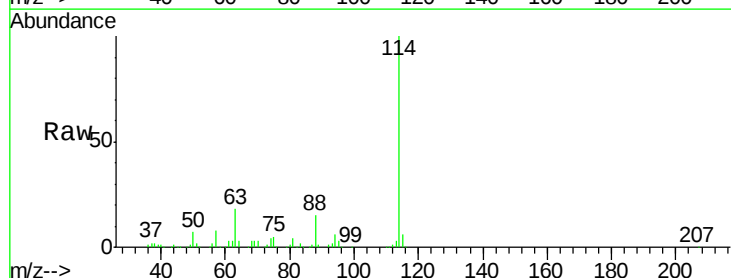
Tgt Ion: 114 Resp: 379560

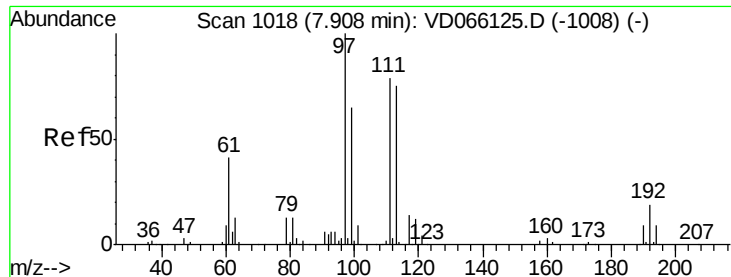
Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.6

88 14.9 0.0 30.0





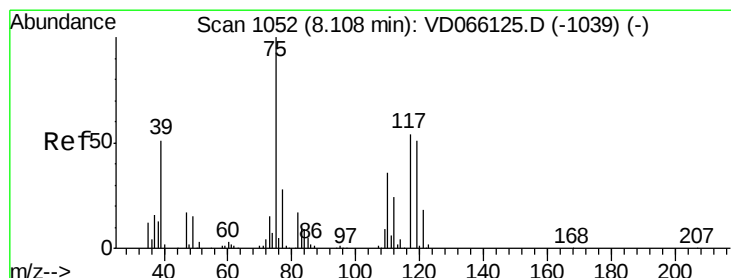
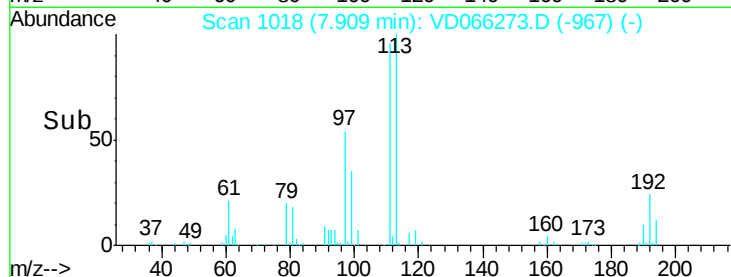
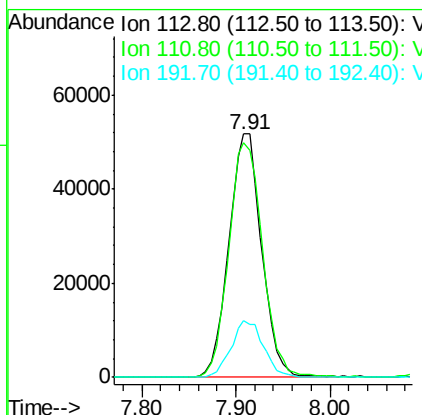
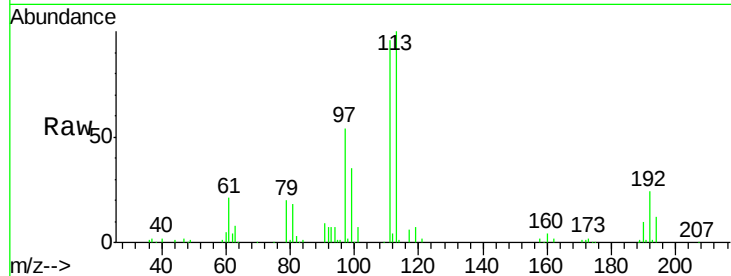
#35
 Dibromofluoromethane
 Concen: 52.023 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066273.D
 Acq: 18 Aug 2020 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	125087		
111	99.5	80.7	121.1	
192	23.0	18.4	27.6	

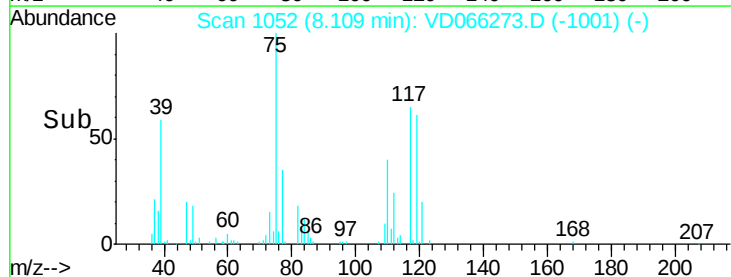
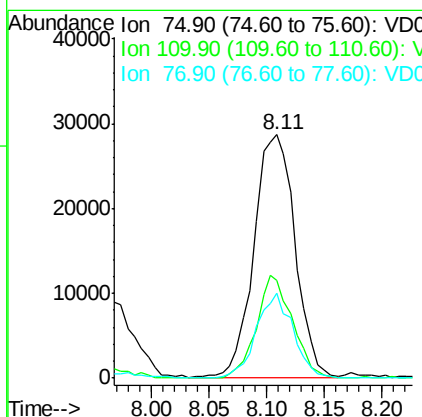
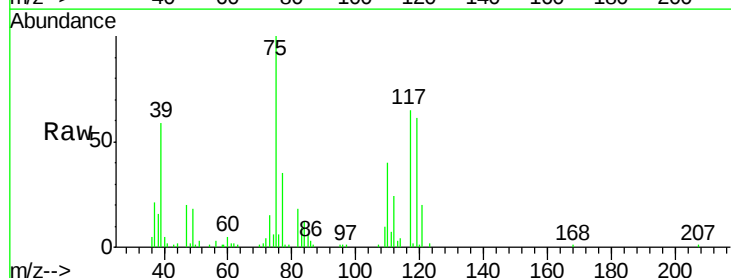
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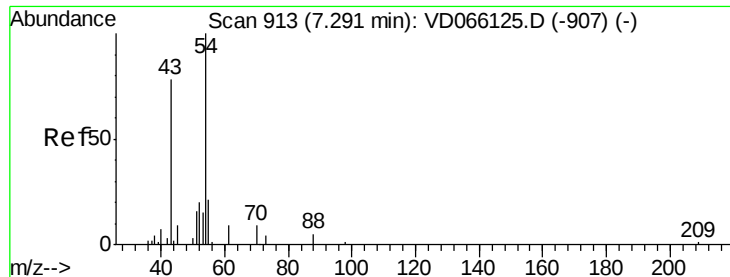
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#36
 1,1-Dichloropropene
 Concen: 19.978 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066273.D
 Acq: 18 Aug 2020 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	71254		
110	37.0	18.8	56.3	
77	31.2	24.2	36.2	





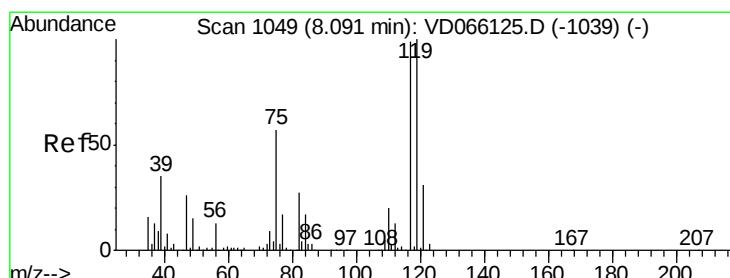
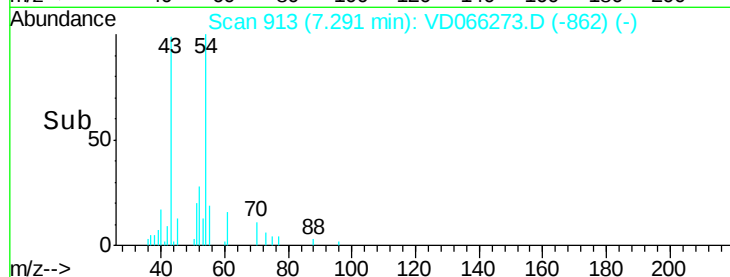
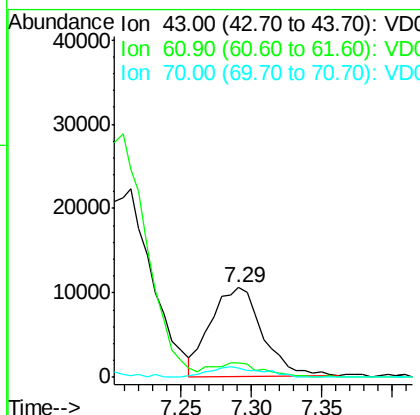
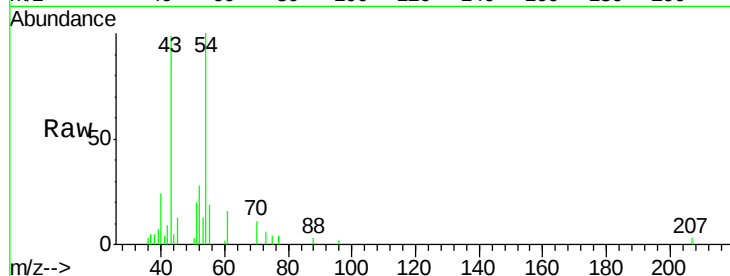
#37
Ethyl Acetate
Concen: 18.945 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD066273.D
Acq: 18 Aug 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.4	12.0	18.0
70	12.0	9.7	14.5

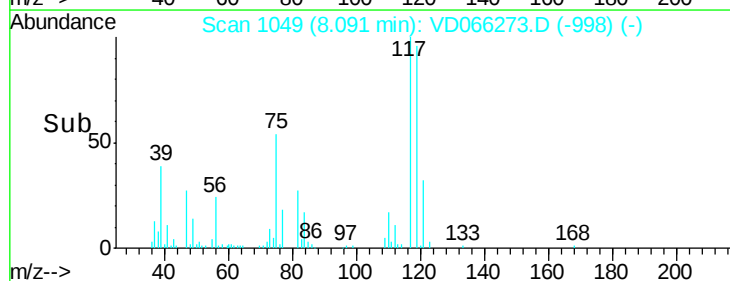
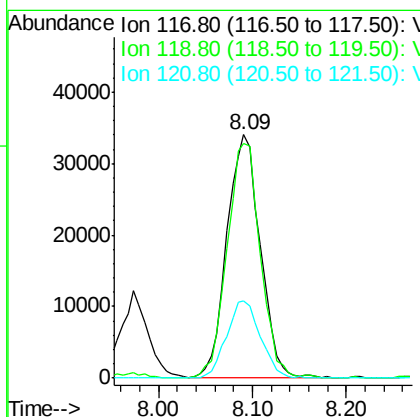
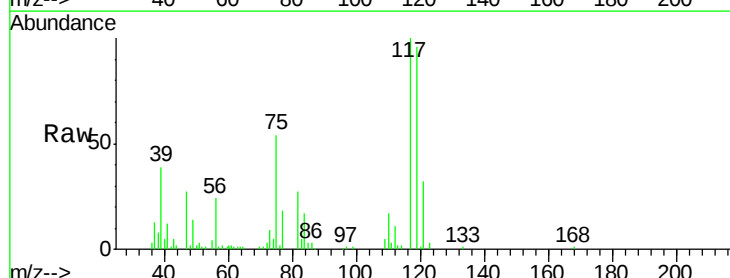
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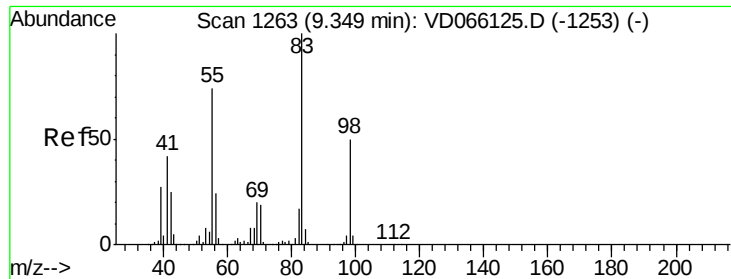
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#38
Carbon Tetrachloride
Concen: 21.127 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066273.D
Acq: 18 Aug 2020 13:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	81.0	121.4
121	32.0	24.8	37.2





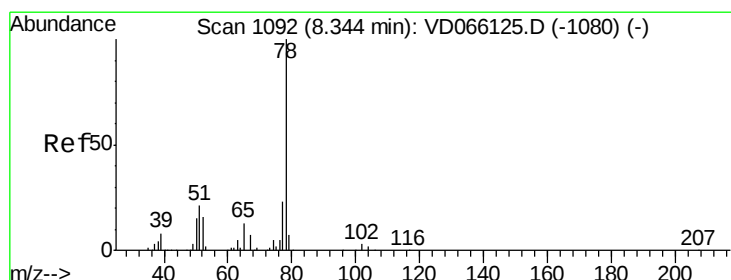
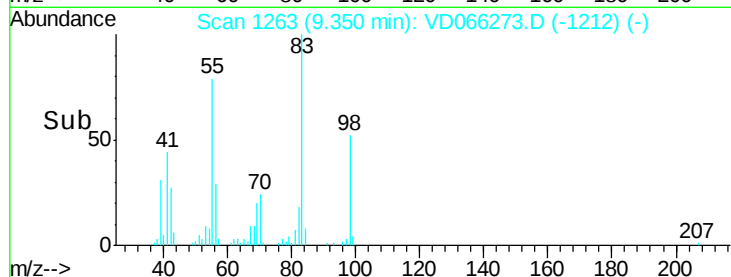
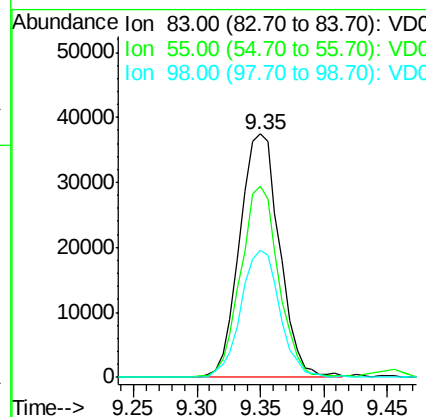
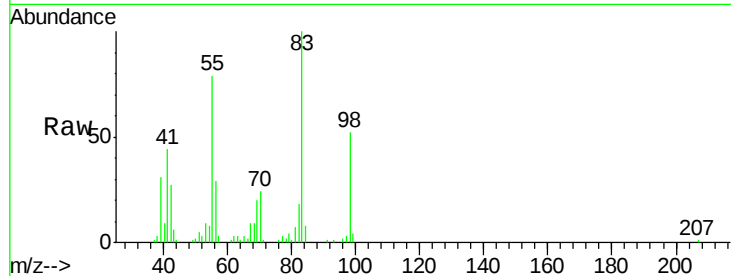
#39
Methvlcvclohexane
Concen: 18.942 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066273.D
Acq: 18 Aug 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS01

Tot Ion	83	Resp	81672
Ion Ratio	Lower	Upper	
83	100		
55	78.5	59.2	88.8
98	52.4	39.8	59.6

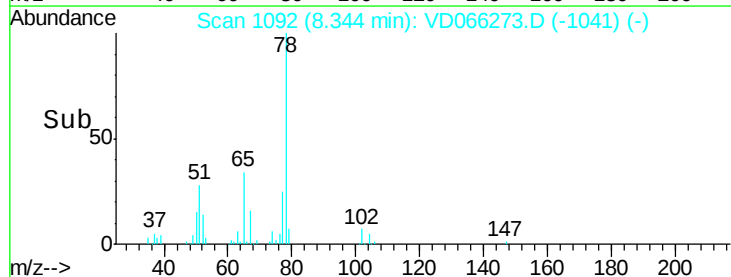
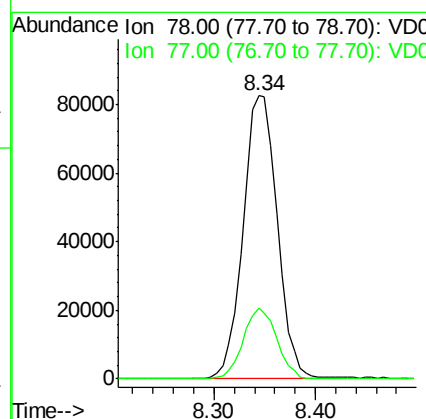
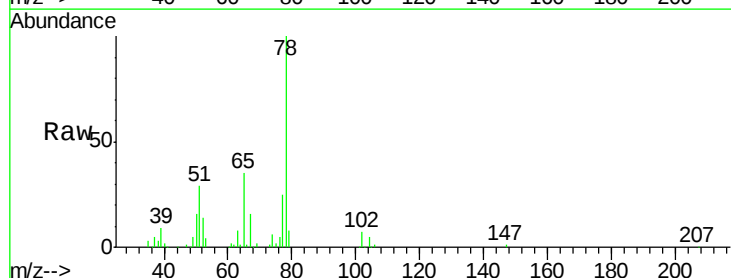
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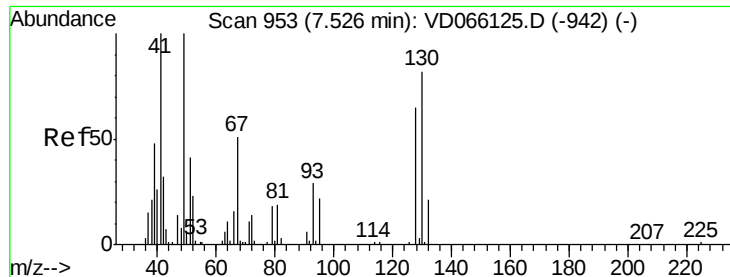
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#40
Benzene
Concen: 19.503 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066273.D
Acq: 18 Aug 2020 13:05

Tgt Ion	78	Resp	192968
Ion Ratio	Lower	Upper	
78	100		
77	25.2	18.6	27.8





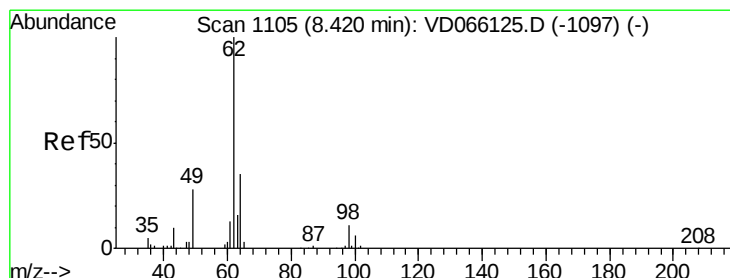
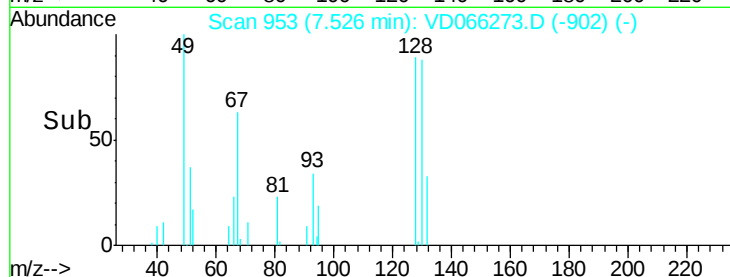
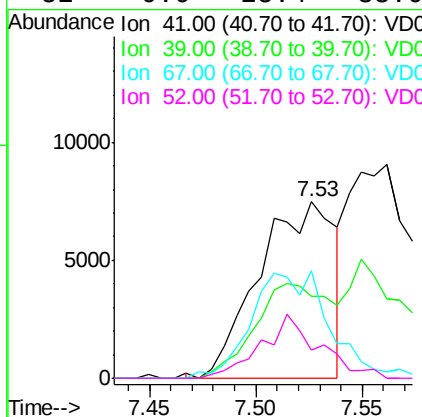
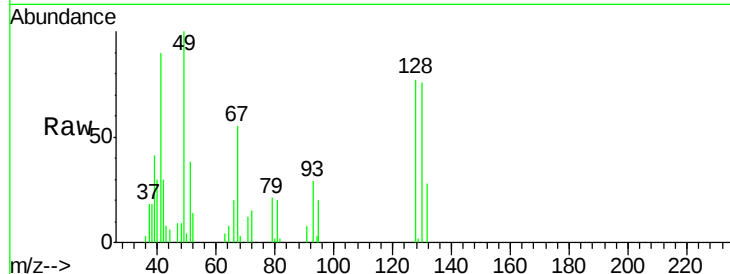
#41
Methacrylonitrile
Concen: 22.331 ug/l m
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD066273.D
Acq: 18 Aug 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.6	47.5	71.3
67	0.0	59.1	88.7#
52	0.0	25.4	38.0#

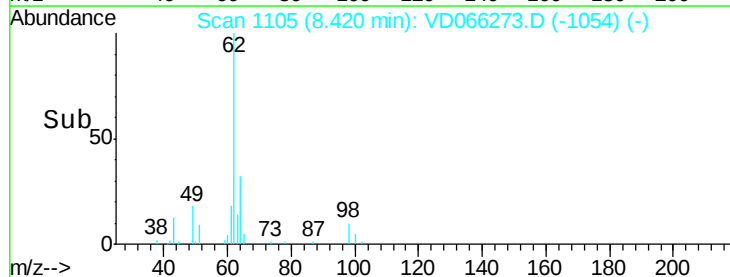
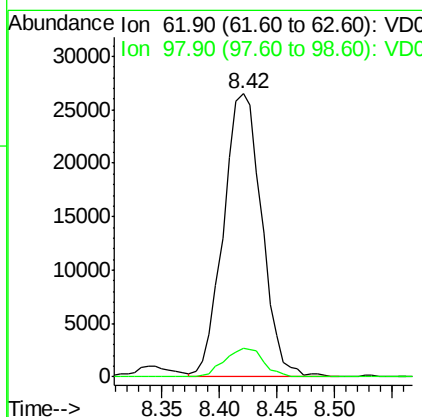
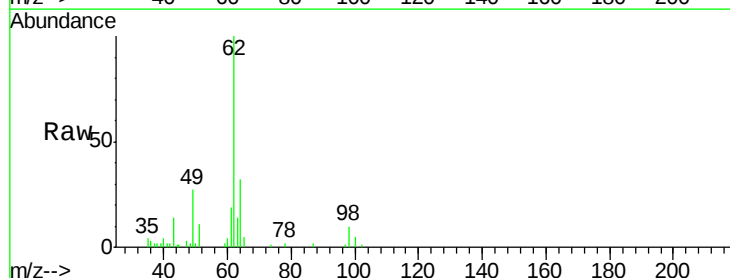
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 21.013 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066273.D
Acq: 18 Aug 2020 13:05

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.4





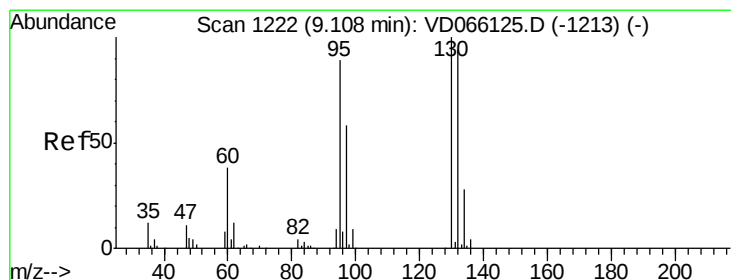
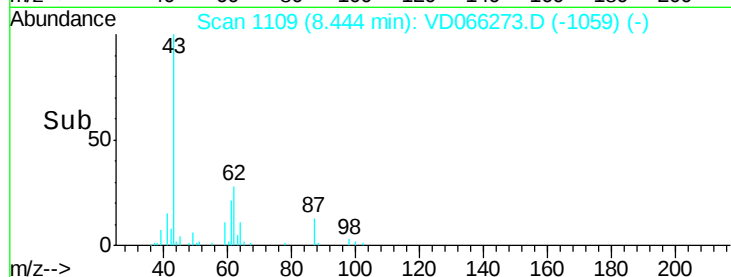
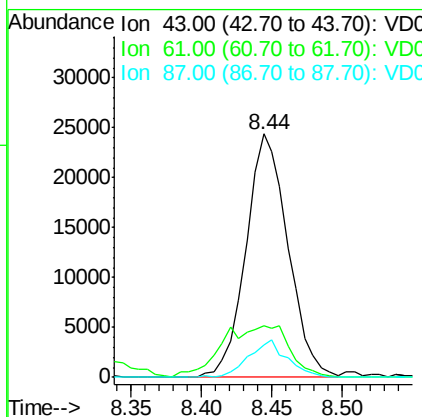
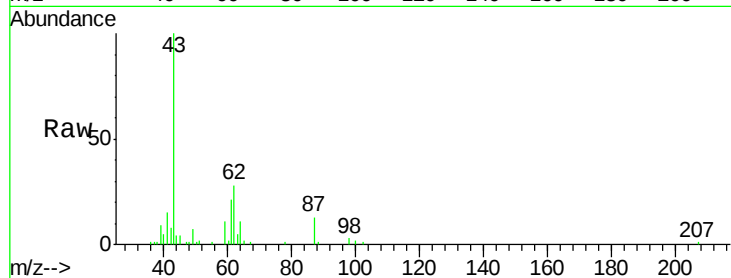
#43
Isopropyl Acetate
Concen: 18.259 ug/l
RT: 8.44 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VD066273.D
Acq: 18 Aug 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	34.0	25.5	38.3
87	14.0	11.2	16.8

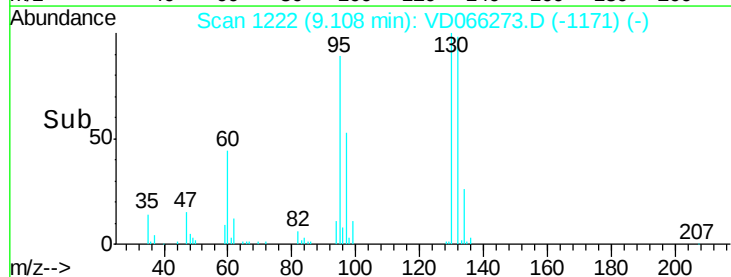
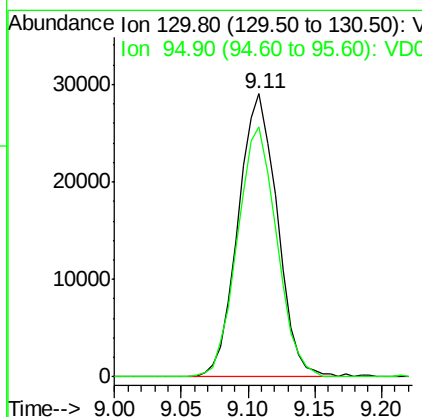
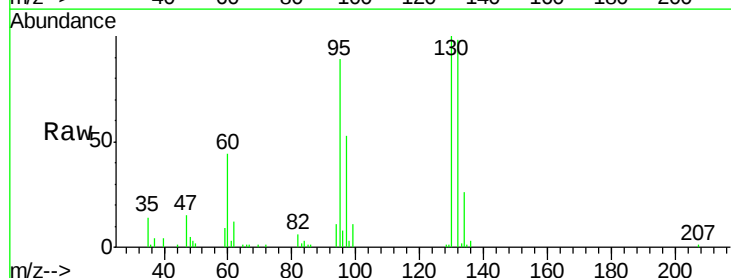
Manual Integrations
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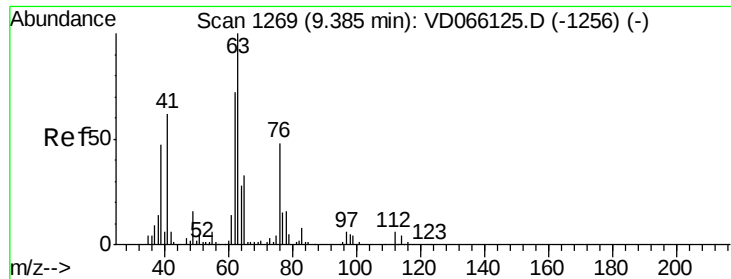
MMDadoda
8/19/2020 5:23:08 PM



#44
Trichloroethene
Concen: 19.717 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VD066273.D
Acq: 18 Aug 2020 13:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.5	0.0	178.4





#45

1,2-Dichloropropane

Concen: 19.788 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066273.D

Acq: 18 Aug 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBS01

Tot Ion: 63 Resp: 47886

Ion Ratio Lower Upper

63 100

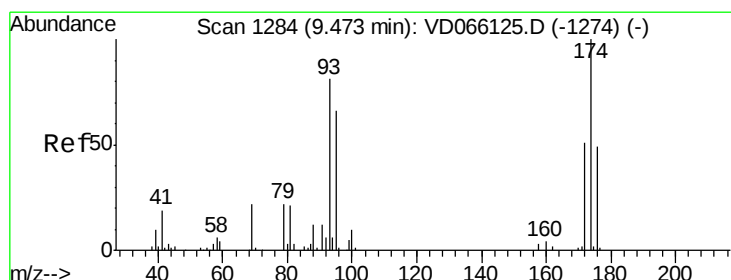
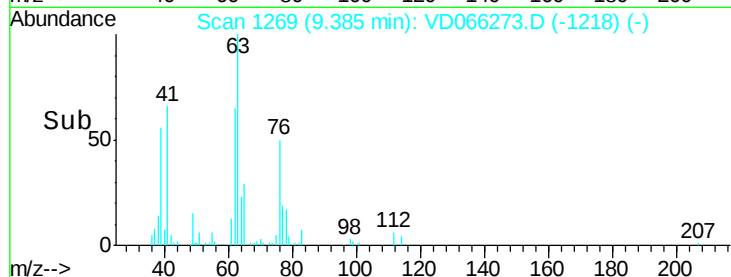
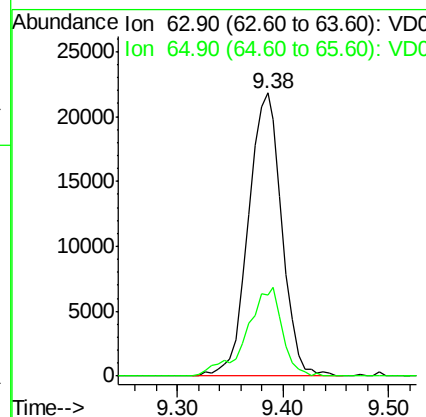
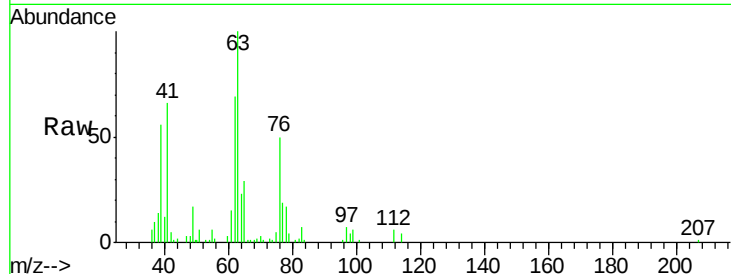
65 28.9 26.5 39.7

Manual Integrations

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#46

Dibromomethane

Concen: 20.430 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VD066273.D

Acq: 18 Aug 2020 13:05

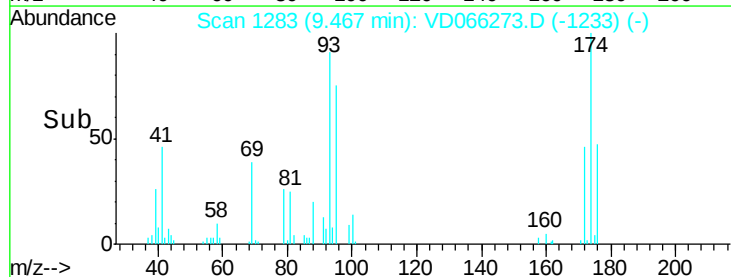
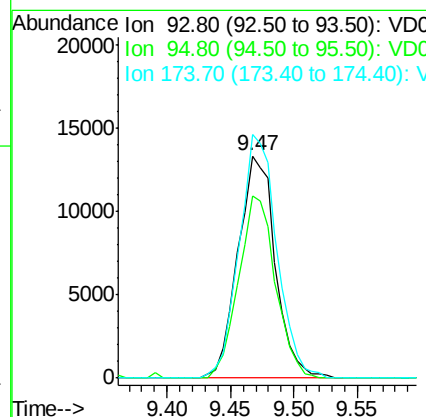
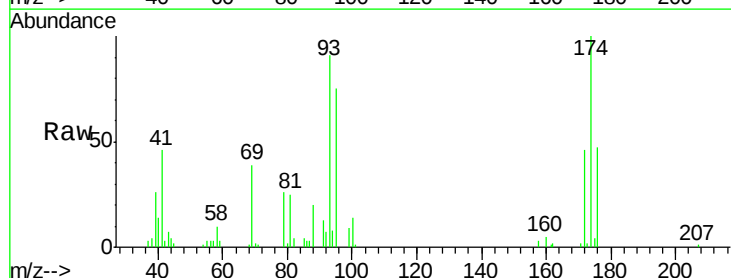
Tgt Ion: 93 Resp: 27232

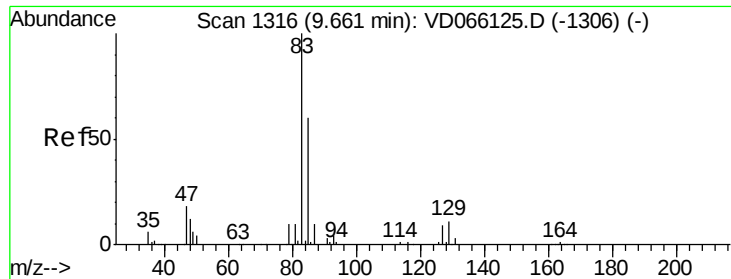
Ion Ratio Lower Upper

93 100

95 80.9 65.8 98.6

174 110.8 92.8 139.2





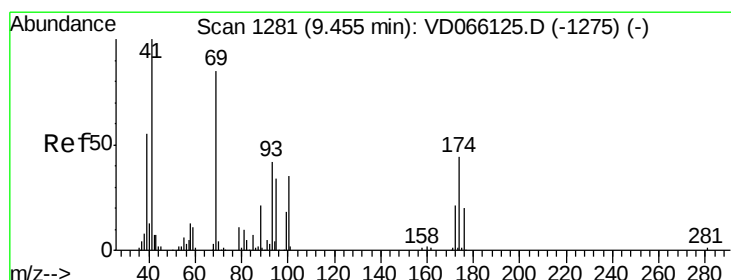
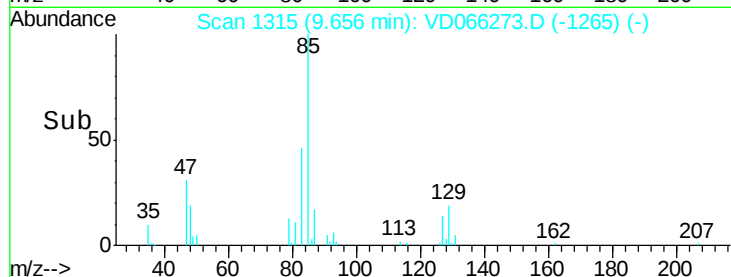
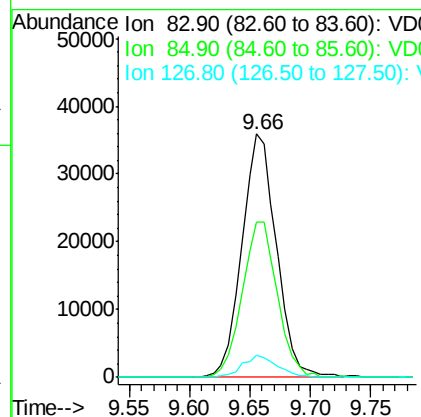
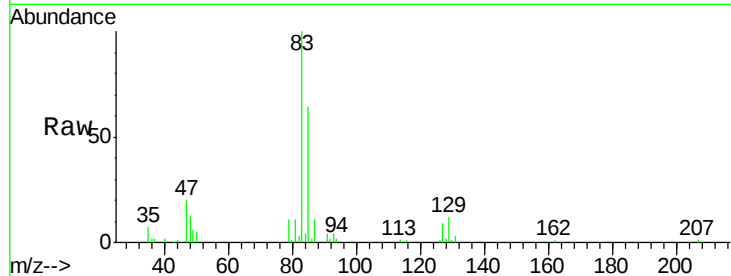
#47
Bromodichloromethane
Concen: 20.287 ug/l
RT: 9.66 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VD066273.D
Acq: 18 Aug 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS01

Tot Ion	83	Resp	71469
Ion Ratio	100		
85	64.0	48.2	72.4
127	9.0	7.3	10.9

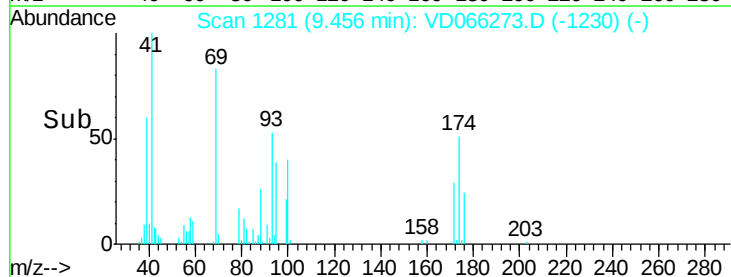
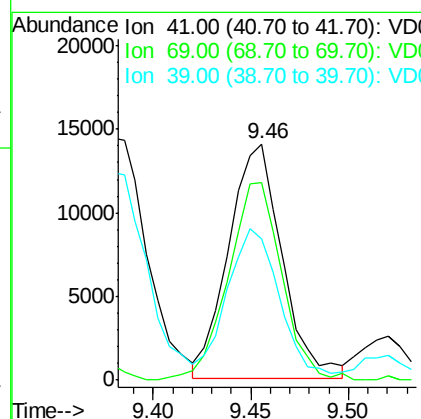
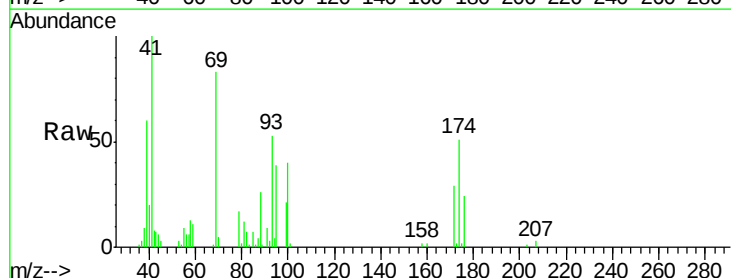
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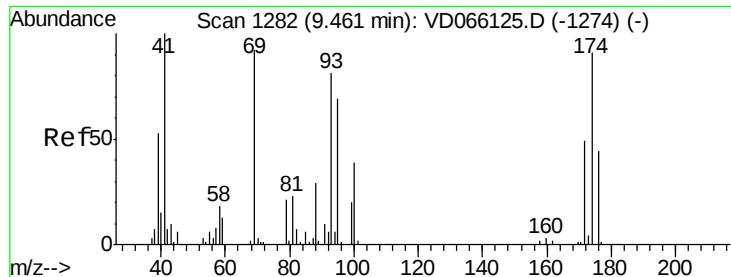
MMDadoda
8/19/2020 5:23:08 PM



#48
Methyl methacrylate
Concen: 18.803 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD066273.D
Acq: 18 Aug 2020 13:05

Tgt Ion	41	Resp	26734
Ion Ratio	100		
69	84.0	63.9	95.9
39	57.4	42.6	64.0





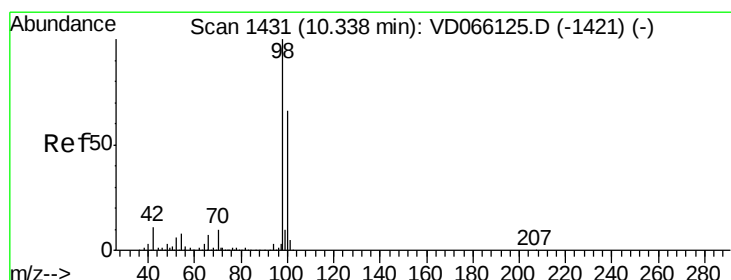
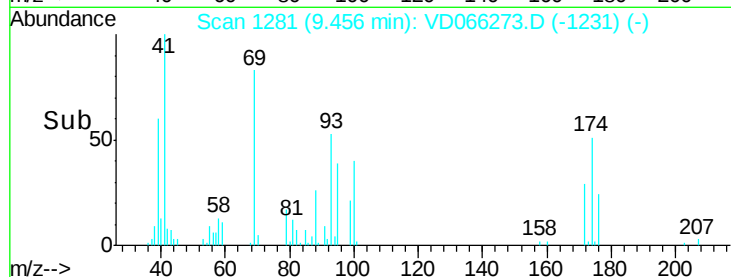
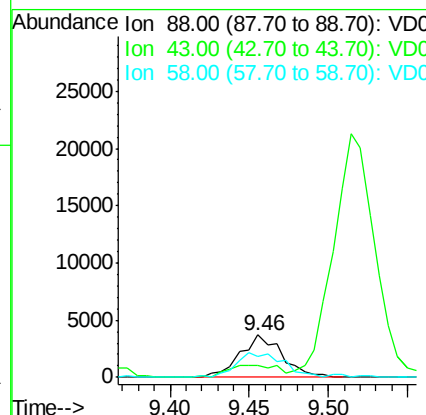
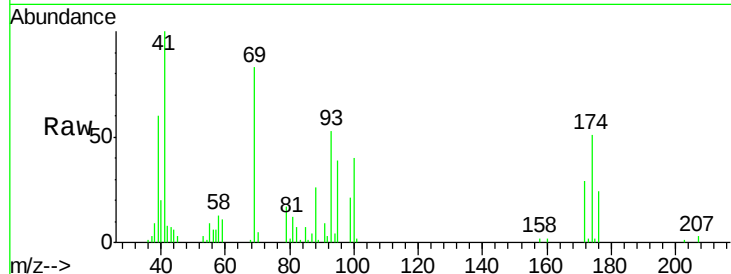
#49
1,4-Dioxane
Concen: 396.323 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD066273.D
Acq: 18 Aug 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.2	27.5	41.3
58	65.9	50.2	75.4

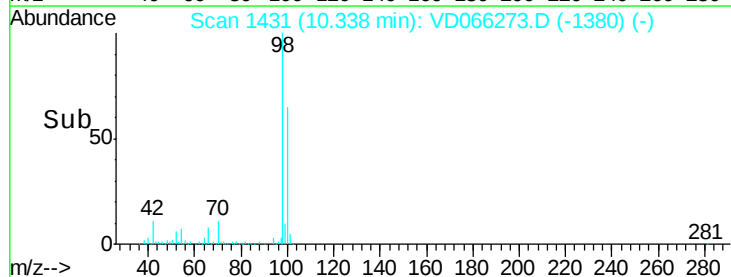
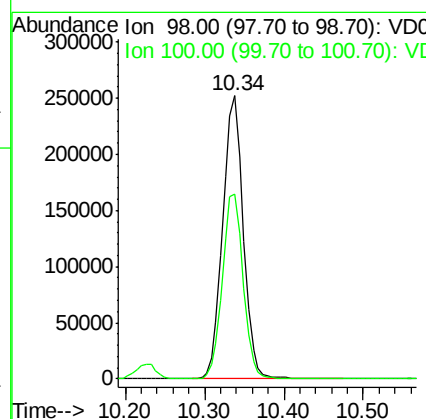
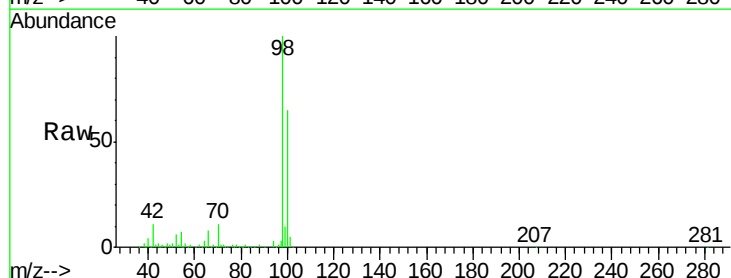
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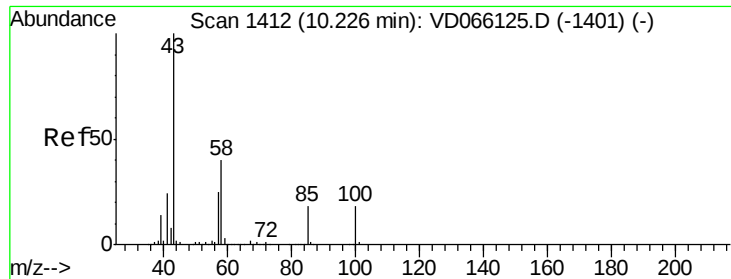
MMDadoda
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#50
Toluene-d8
Concen: 51.163 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066273.D
Acq: 18 Aug 2020 13:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 94.233 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066273.D

Acq: 18 Aug 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBS01

Tot Ion: 43 Resp: 134774

Ion Ratio Lower Upper

43 100

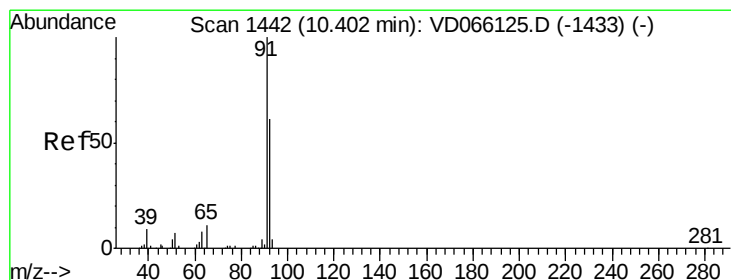
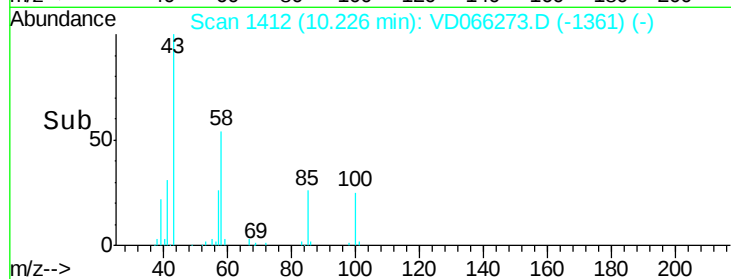
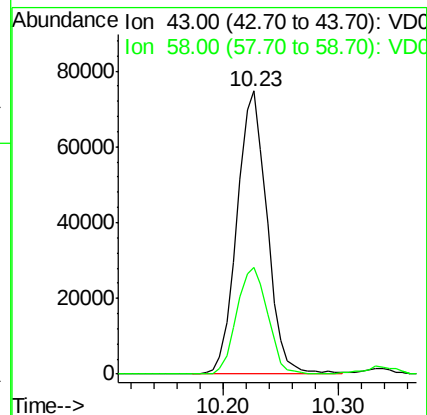
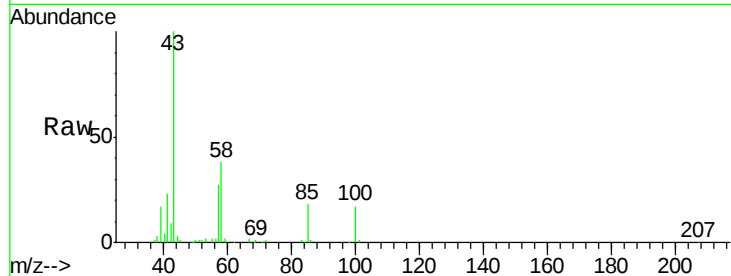
58 39.1 31.1 46.7

Manual Integrations

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#52

Toluene

Concen: 20.354 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066273.D

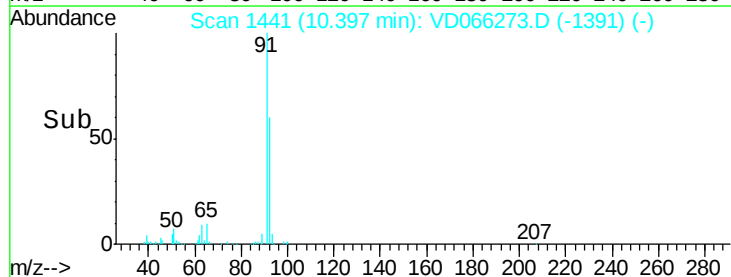
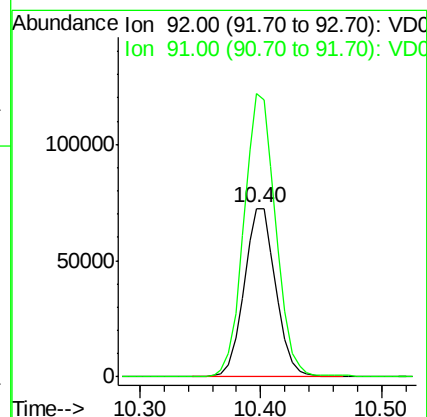
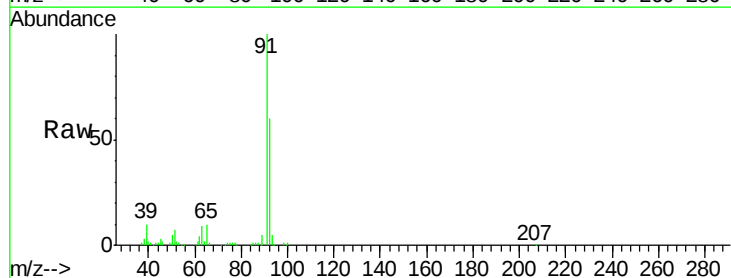
Acq: 18 Aug 2020 13:05

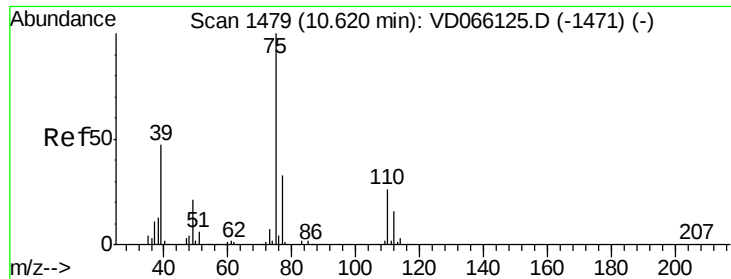
Tgt Ion: 92 Resp: 132517

Ion Ratio Lower Upper

92 100

91 169.2 135.2 202.8





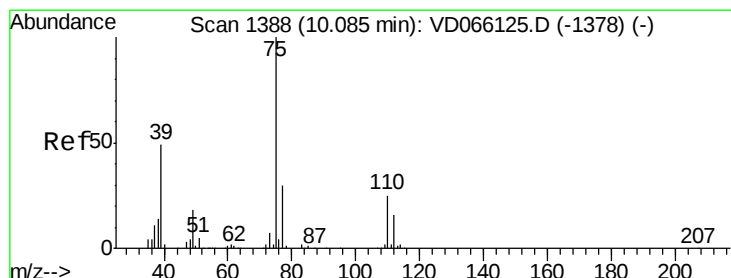
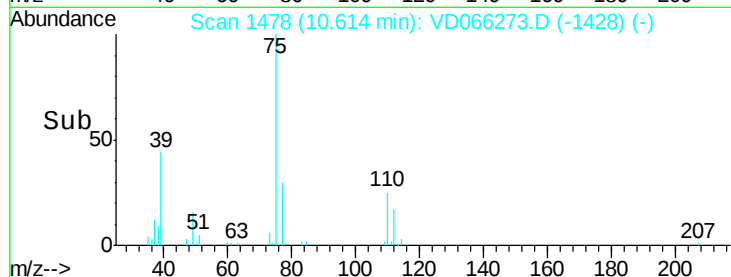
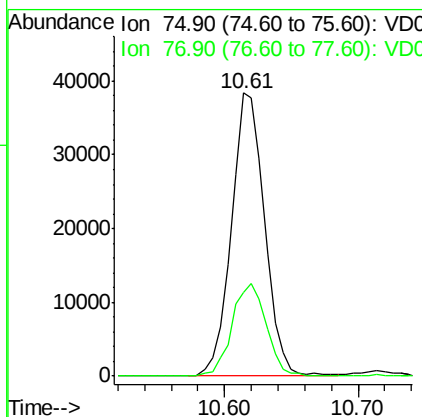
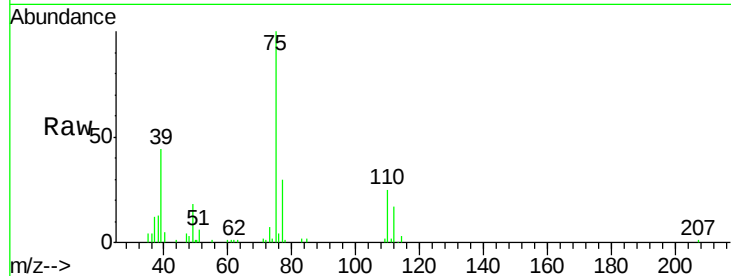
#53
 t-1,3-Dichloropropene
 Concen: 19.827 ug/l
 RT: 10.61 min Scan# 1478
 Delta R.T. -0.01 min
 Lab File: VD066273.D
 Acq: 18 Aug 2020 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS01

Tot Ion: 75 Resp: 66289
 Ion Ratio Lower Upper
 75 100
 77 29.7 26.2 39.2

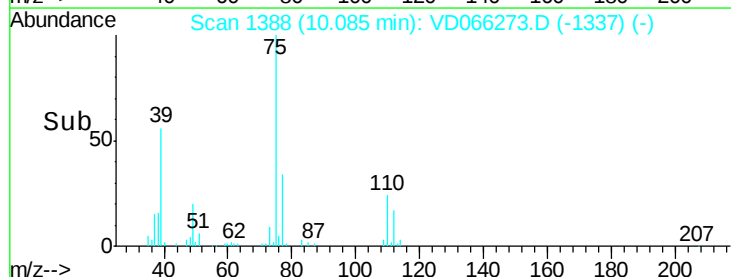
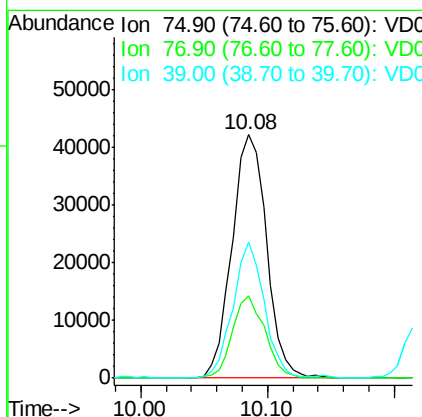
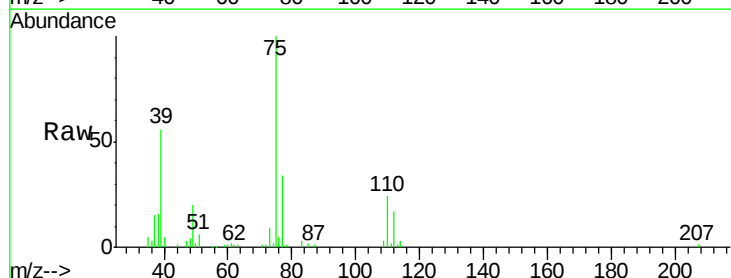
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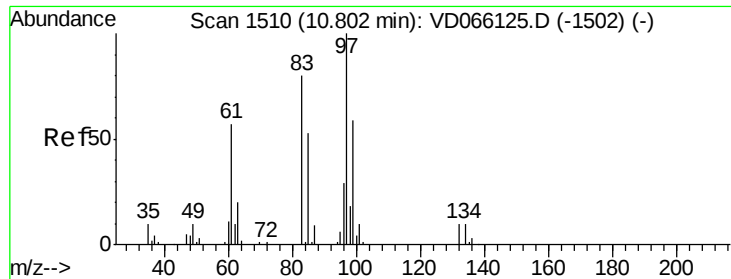
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 8/19/2020 5:23:08 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.378 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD066273.D
 Acq: 18 Aug 2020 13:05

Tgt Ion: 75 Resp: 79823
 Ion Ratio Lower Upper
 75 100
 77 33.6 24.3 36.5
 39 55.7 39.3 58.9





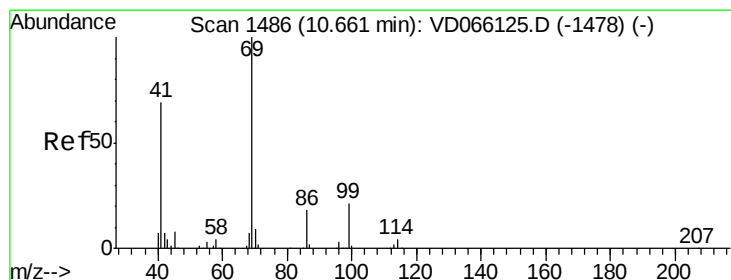
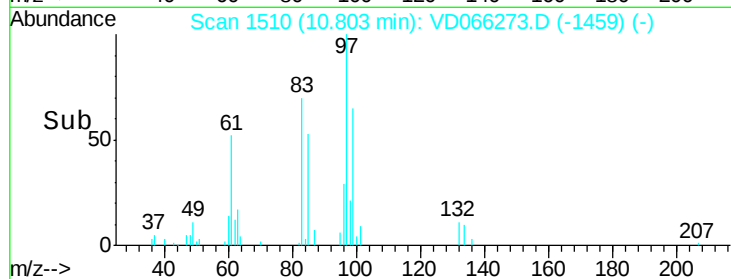
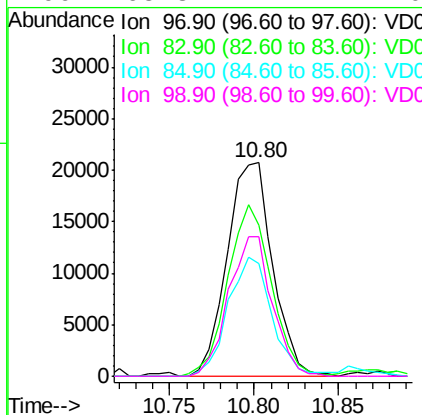
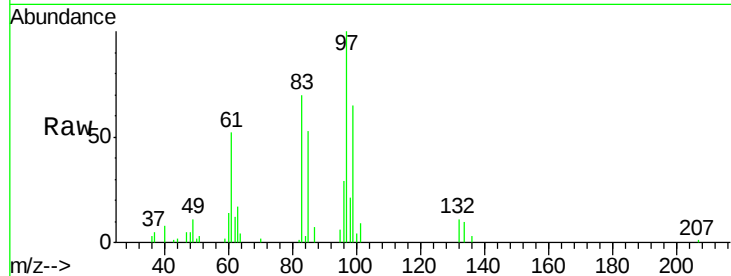
#55
 1,1,2-Trichloroethane
 Concen: 20.342 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD066273.D
 Acq: 18 Aug 2020 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	97	100	39043		
83	83	69.5		63.9	95.9
85	85	52.6		42.5	63.7
99	99	65.3		47.4	71.0

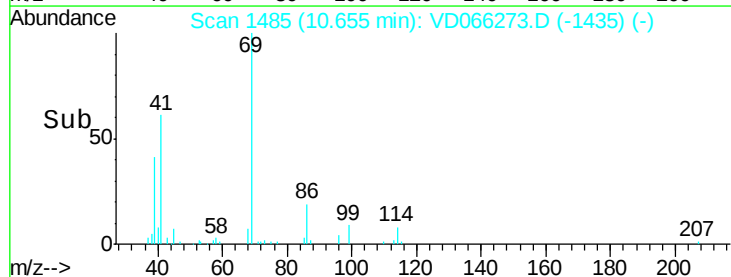
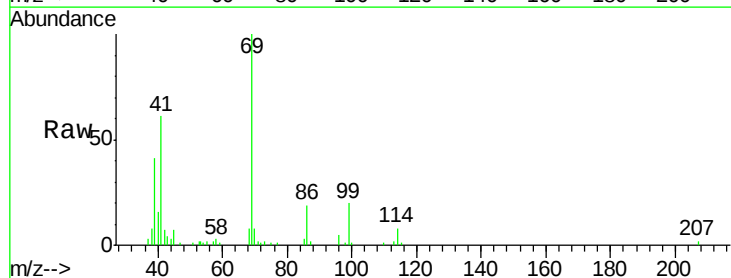
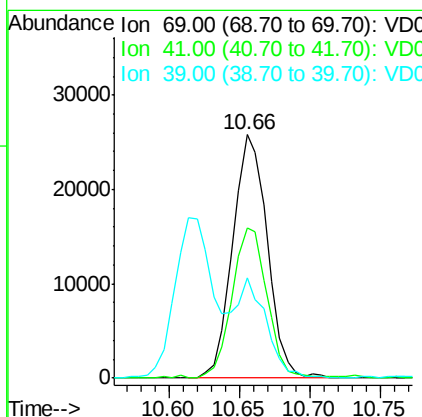
Manual Integrations
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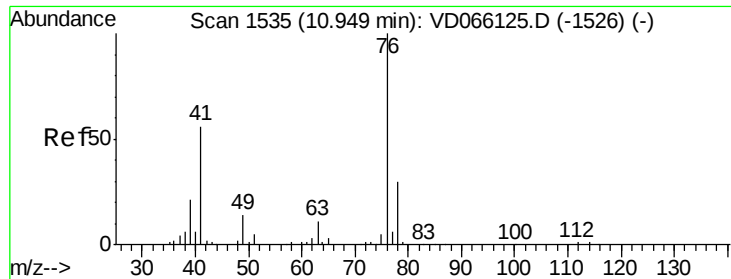
MMDadoda
 8/19/2020 5:23:08 PM



#56
 Ethyl methacrylate
 Concen: 19.162 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066273.D
 Acq: 18 Aug 2020 13:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	69	100	44182		
41	41	62.6		54.1	81.1
39	39	33.8		28.6	43.0





#57

1,3-Dichloropropane

Concen: 19.688 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.01 min

Lab File: VD066273.D

Acq: 18 Aug 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBS01

Tot Ion: 76 Resp: 62733

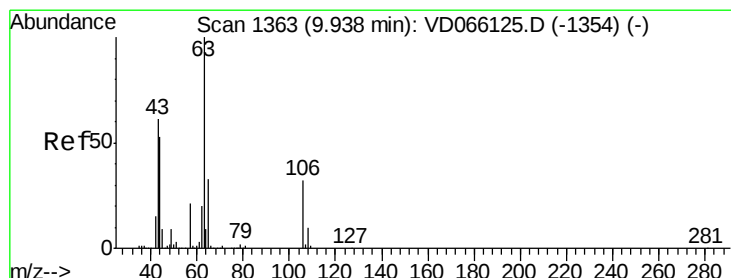
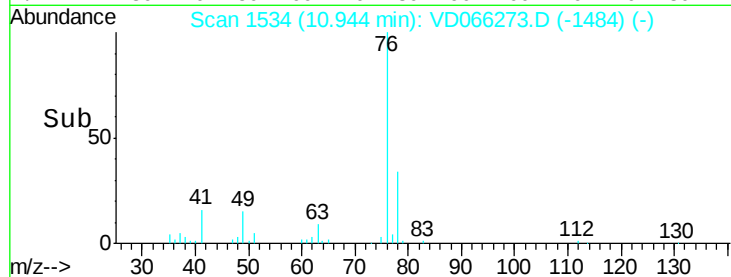
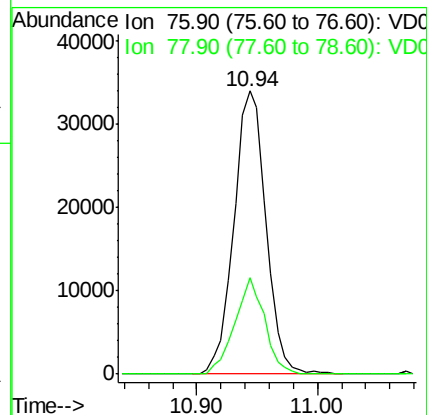
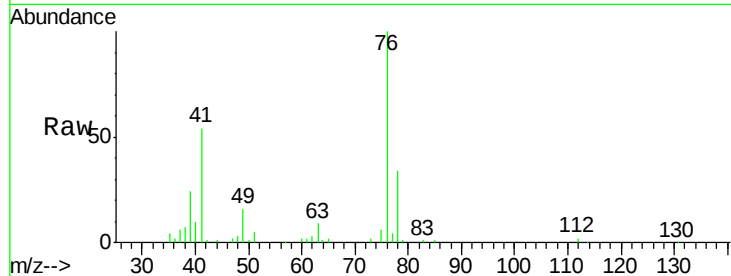
Ion Ratio Lower Upper

76 100

78 31.7 25.5 38.3

Manual Integrations
APPROVED

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8/19/2020 5:23:08 PM



#58

2-Chloroethyl Vinyl ether

Concen: 106.684 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066273.D

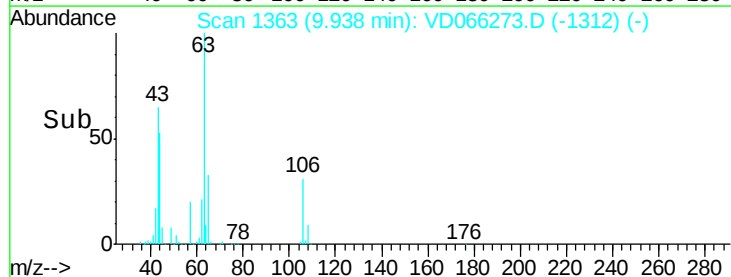
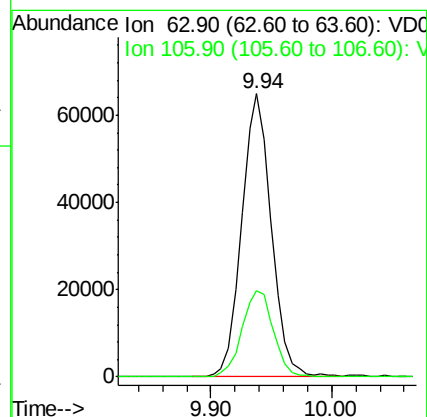
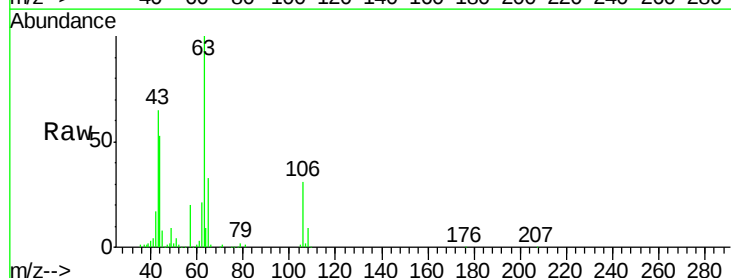
Acq: 18 Aug 2020 13:05

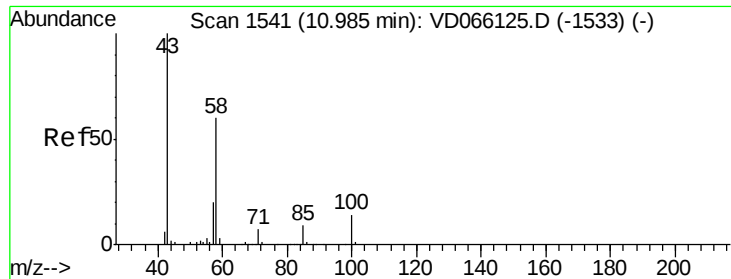
Tgt Ion: 63 Resp: 110647

Ion Ratio Lower Upper

63 100

106 32.4 25.3 37.9





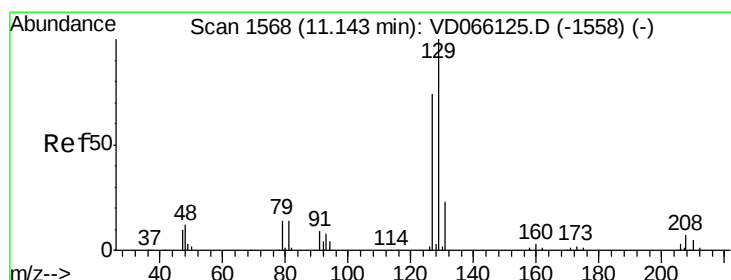
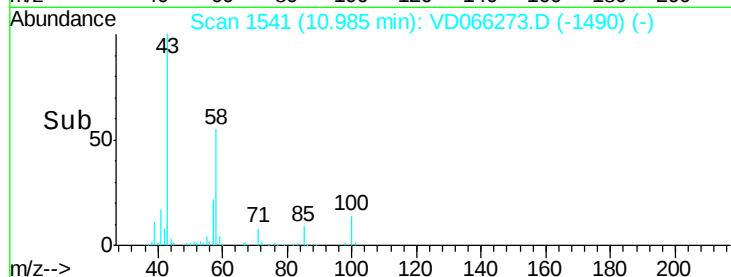
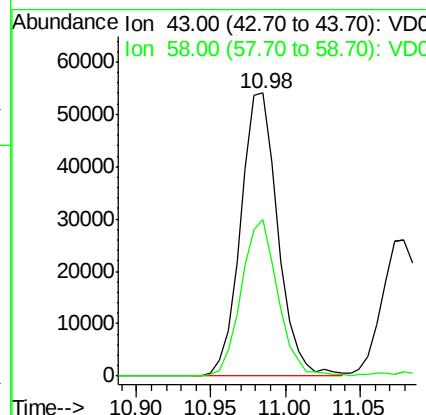
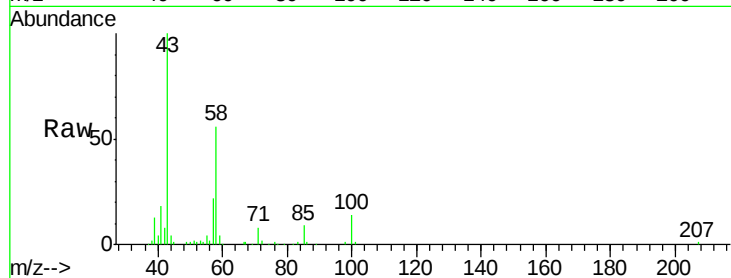
#59
2-Hexanone
Concen: 93.075 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066273.D
Acq: 18 Aug 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS01

Tot Ion: 43 Resp: 93424
Ion Ratio Lower Upper
43 100
58 54.4 27.8 83.4

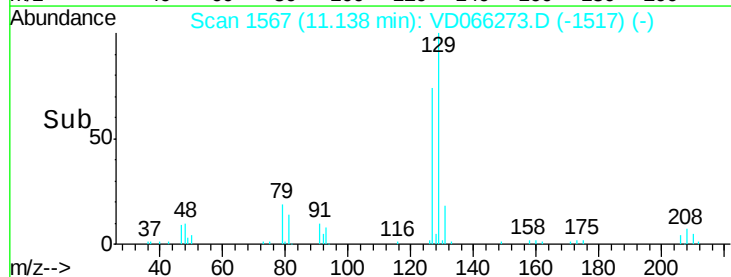
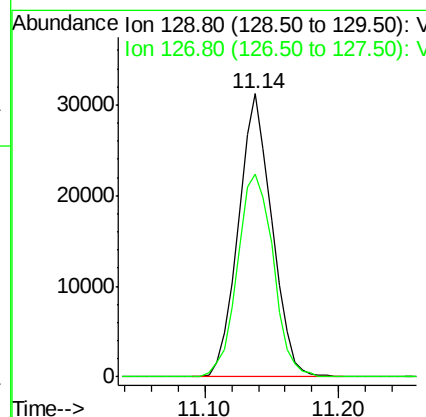
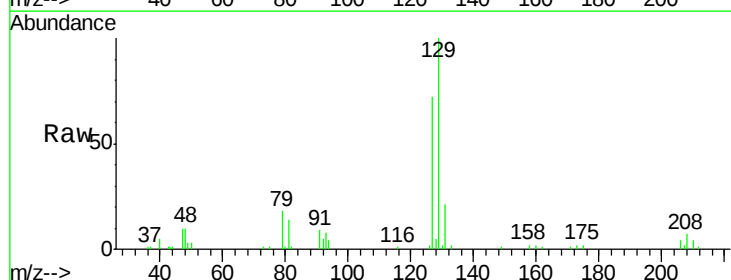
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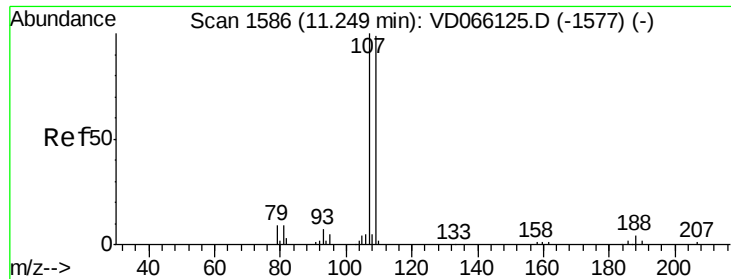
MMDadoda
8/19/2020 5:23:08 PM



#60
Dibromochloromethane
Concen: 20.527 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD066273.D
Acq: 18 Aug 2020 13:05

Tgt Ion: 129 Resp: 54393
Ion Ratio Lower Upper
129 100
127 76.4 38.0 114.1





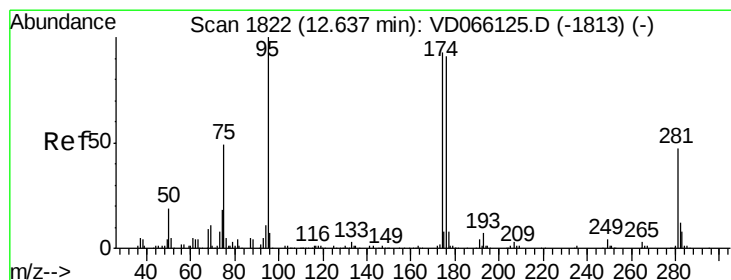
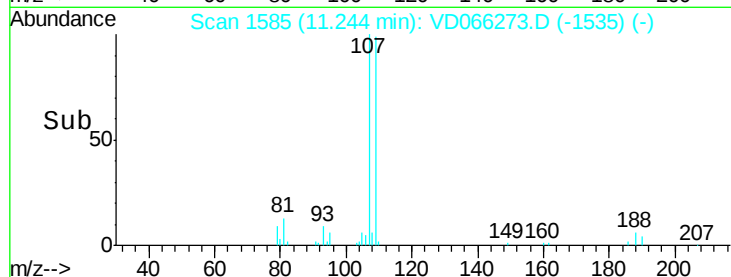
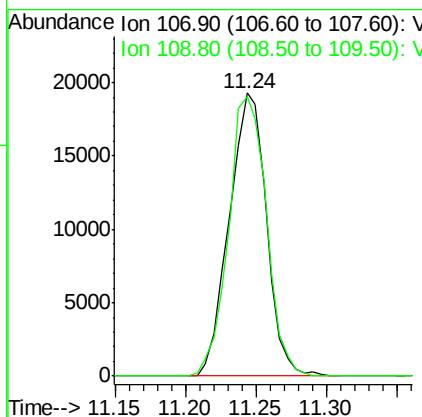
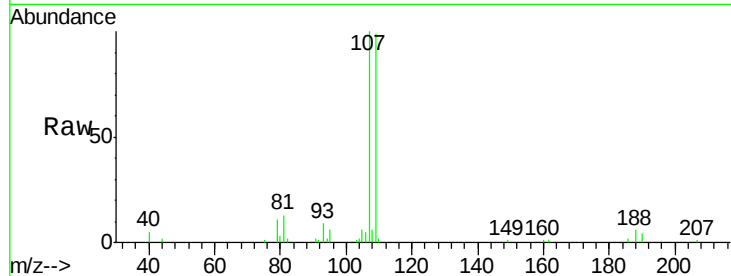
#61
 1,2-Dibromoethane
 Concen: 19.187 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD066273.D
 Acq: 18 Aug 2020 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	100.6	76.5	114.7

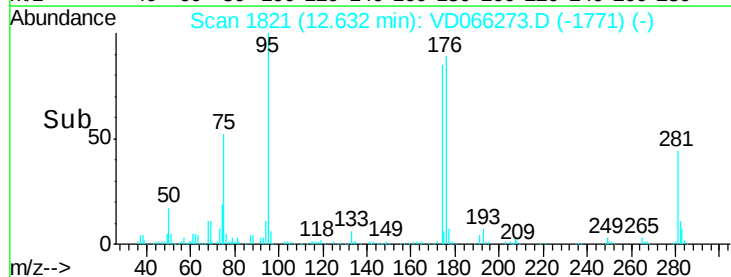
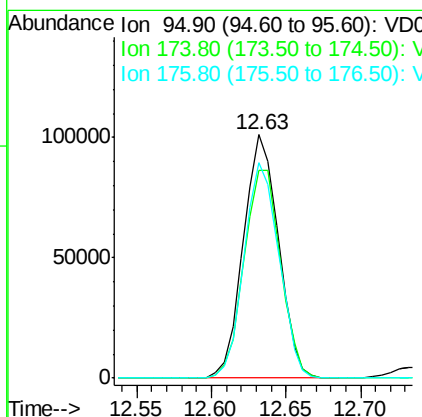
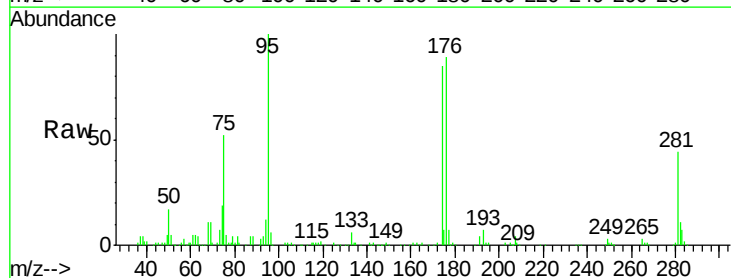
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 51.441 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD066273.D
 Acq: 18 Aug 2020 13:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.2	0.0	180.8
176	88.2	0.0	181.2





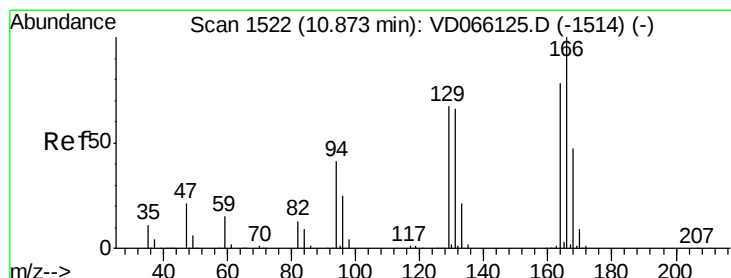
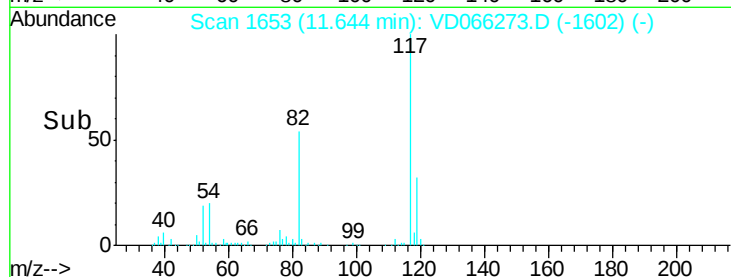
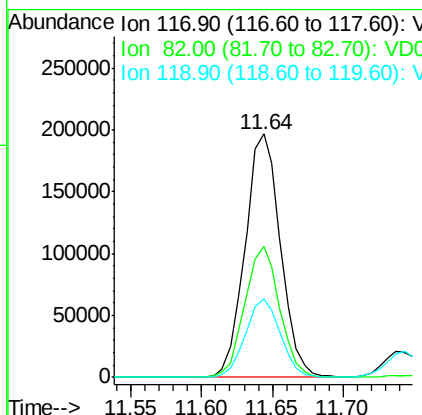
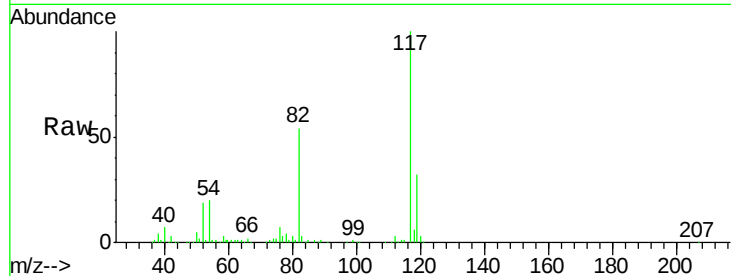
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066273.D
Acq: 18 Aug 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	346265		
82	54.0	43.0	64.4	
119	32.1	26.1	39.1	

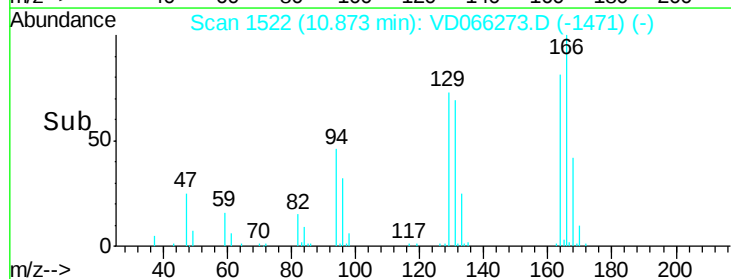
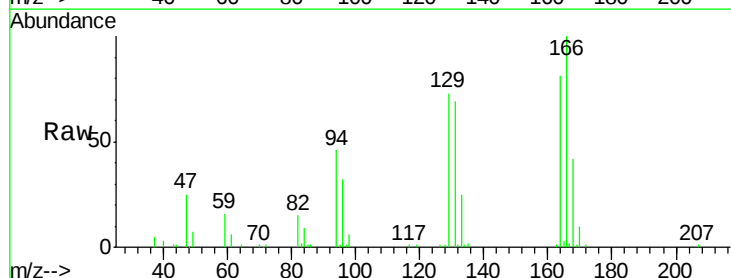
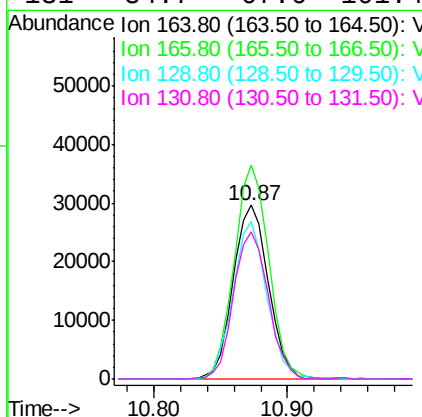
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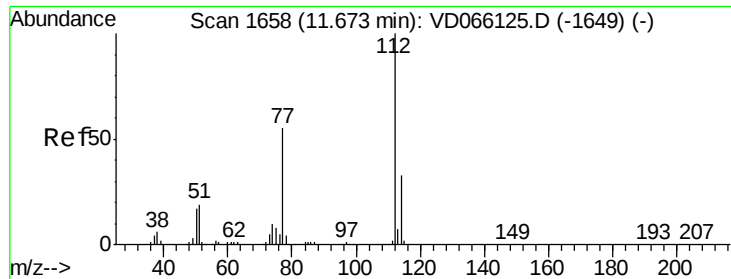
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#64
Tetrachloroethene
Concen: 20.539 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066273.D
Acq: 18 Aug 2020 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	54613		
166	122.9	101.9	152.9	
129	90.3	68.1	102.1	
131	84.7	67.6	101.4	





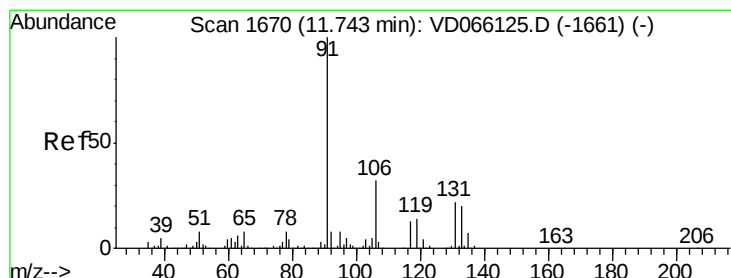
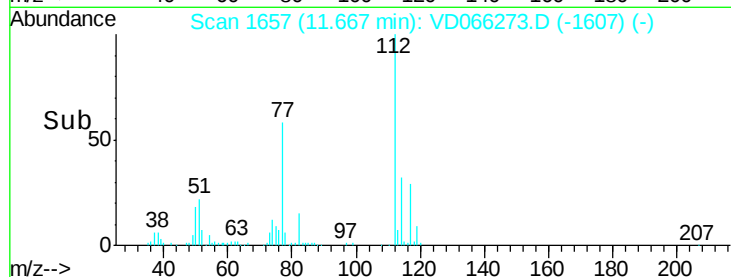
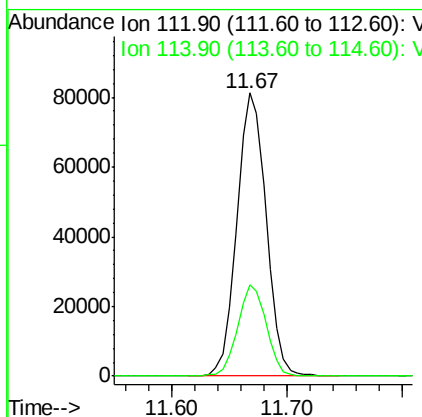
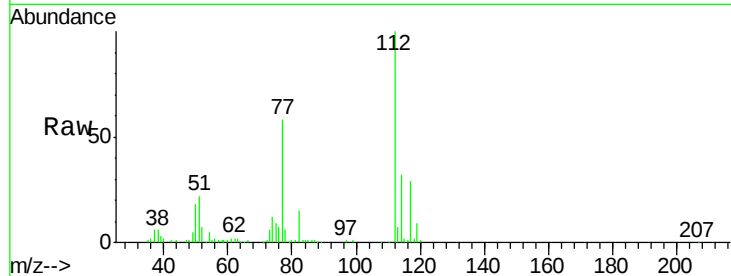
#65
Chlorobenzene
Concen: 20.235 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066273.D
Acq: 18 Aug 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	142239		
114	32.5	26.1	39.1	

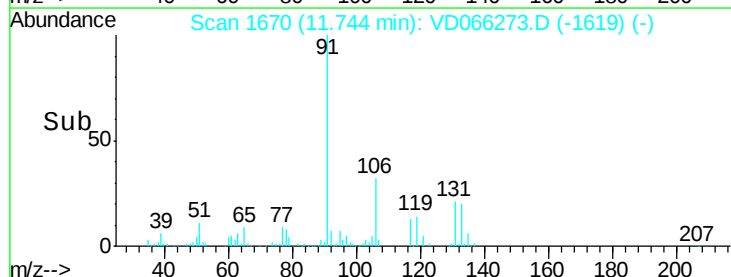
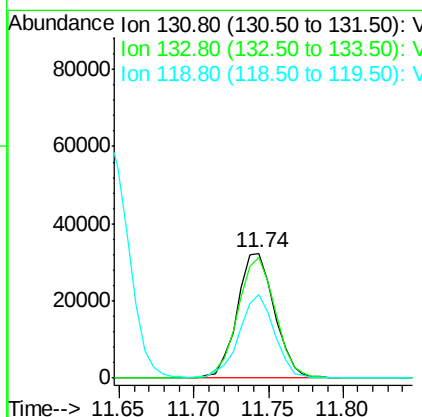
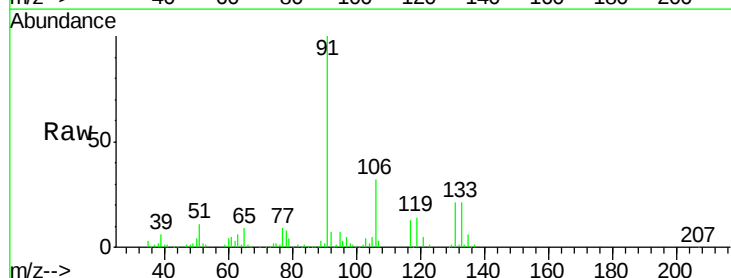
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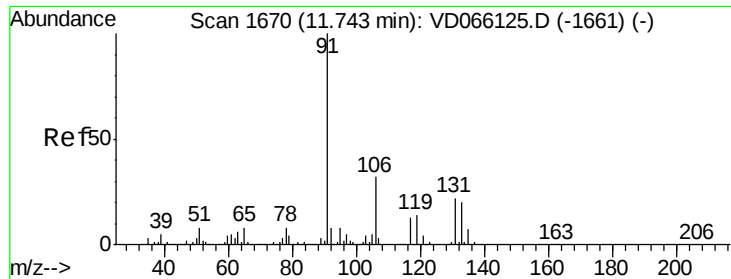
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.404 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066273.D
Acq: 18 Aug 2020 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	56119		
133	97.2	47.1	141.4	
119	63.5	31.6	94.7	





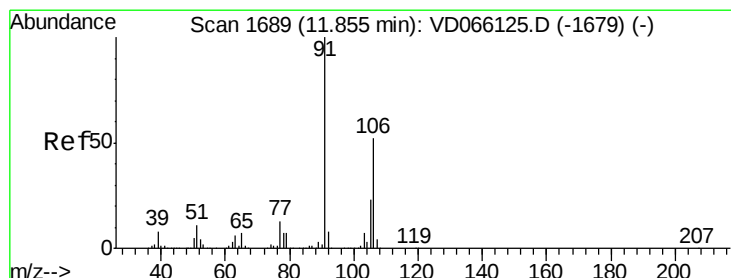
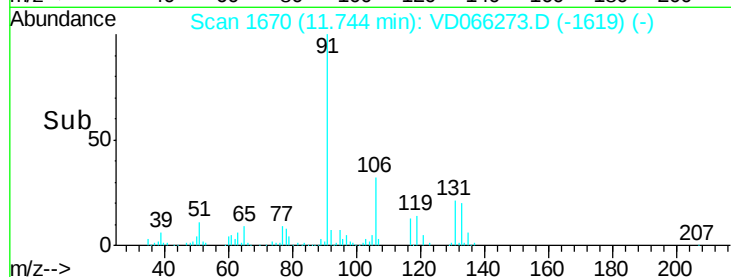
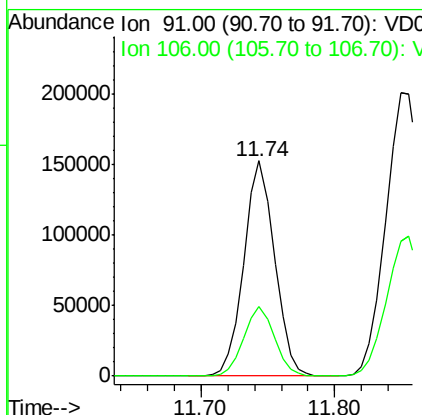
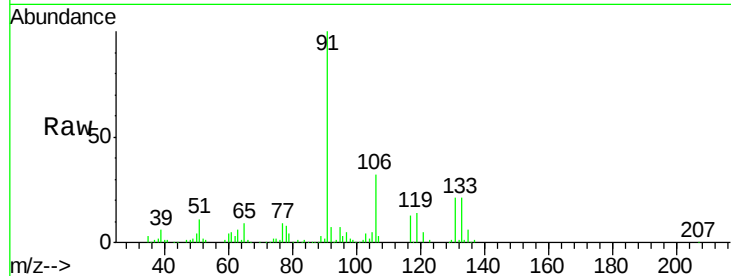
#67
Ethyl Benzene
Concen: 19.893 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066273.D
Acq: 18 Aug 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS01

Tot Ion: 91 Resp: 242320
Ion Ratio Lower Upper
91 100
106 32.3 25.7 38.5

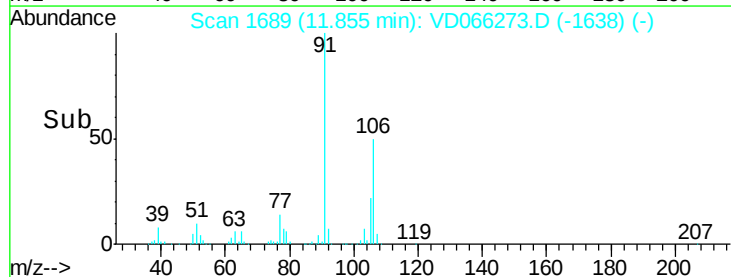
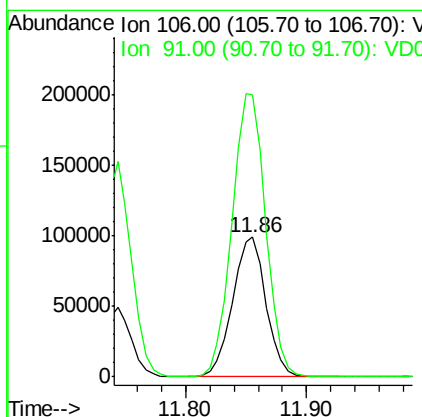
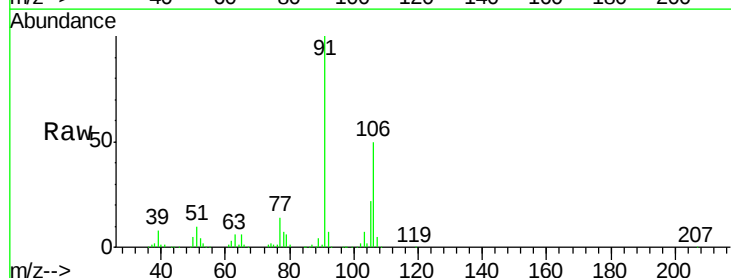
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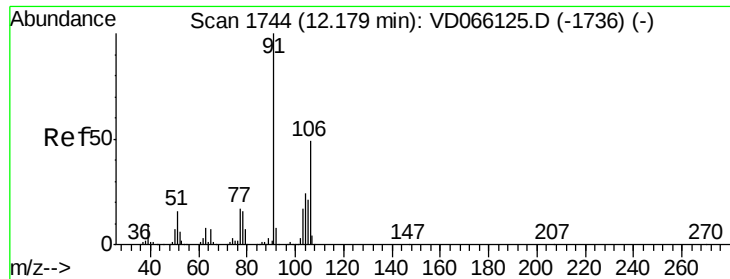
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#68
m/p-Xylenes
Concen: 40.249 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD066273.D
Acq: 18 Aug 2020 13:05

Tgt Ion: 106 Resp: 189956
Ion Ratio Lower Upper
106 100
91 204.4 156.6 235.0





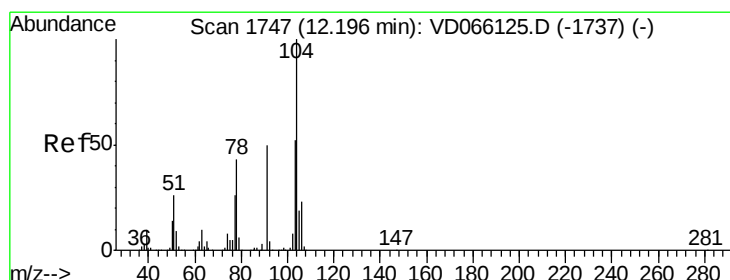
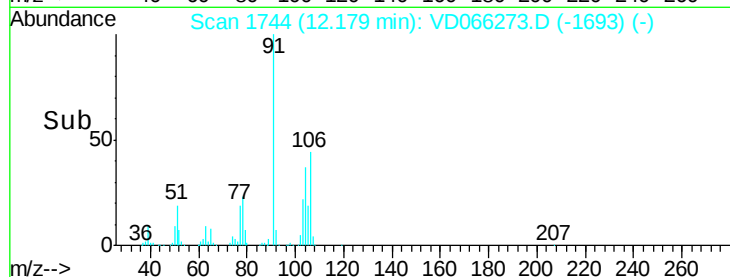
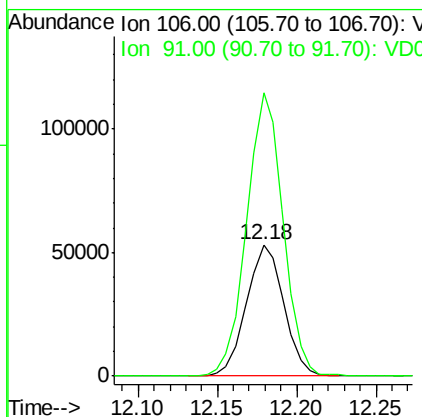
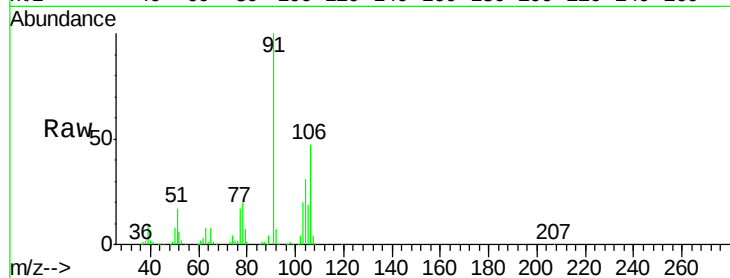
#69
o-Xylene
Concen: 20.313 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066273.D
Acq: 18 Aug 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	209.9	105.7	317.1	

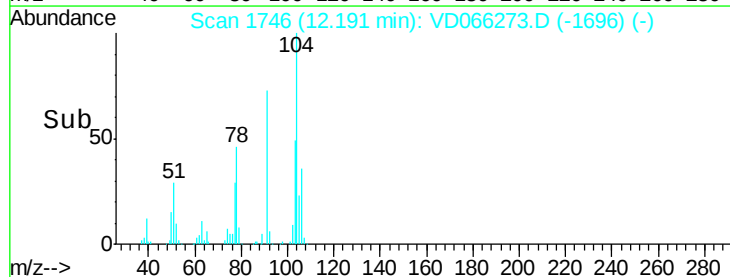
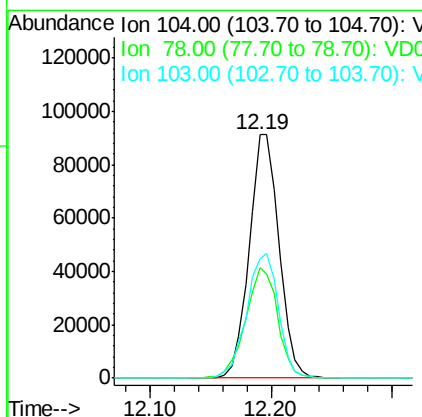
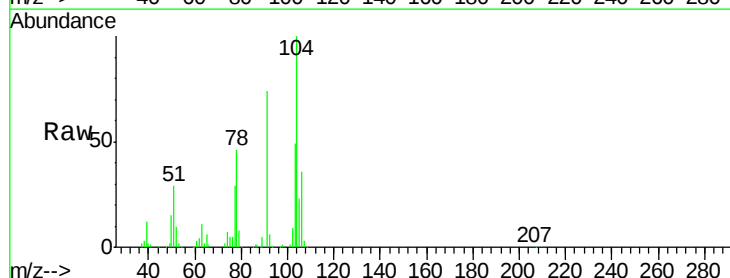
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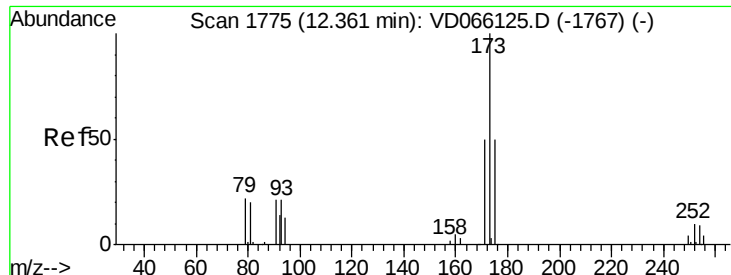
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#70
Styrene
Concen: 20.932 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066273.D
Acq: 18 Aug 2020 13:05

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.8	38.6	58.0	
103	54.8	44.1	66.1	





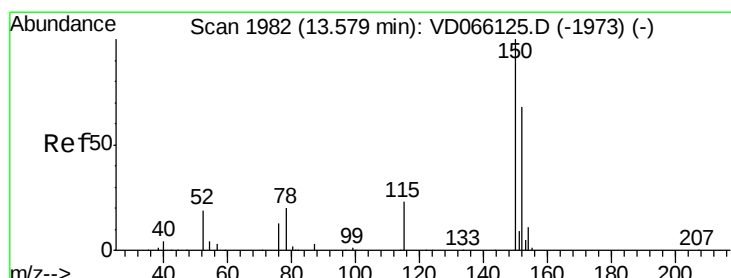
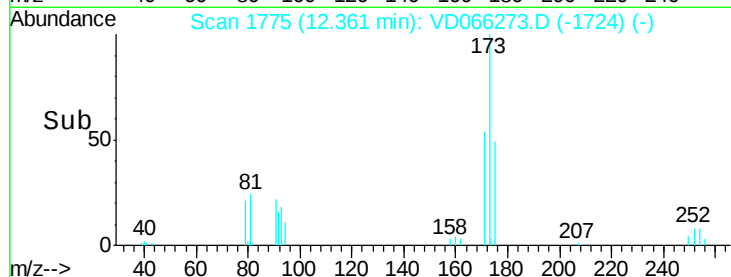
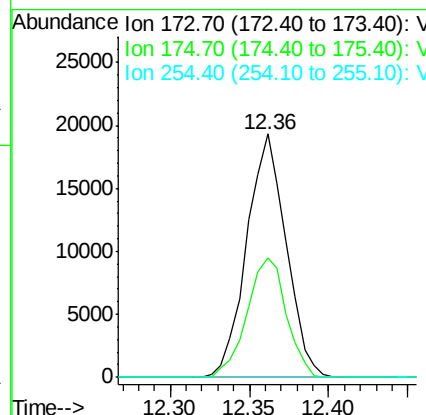
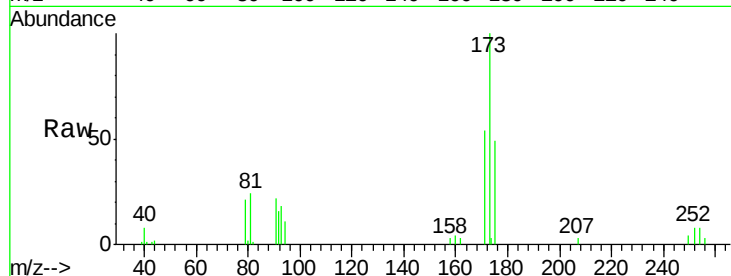
#71
Bromoform
Concen: 20.483 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD066273.D
Acq: 18 Aug 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.6	73.6
254	0.0	0.2	0.2

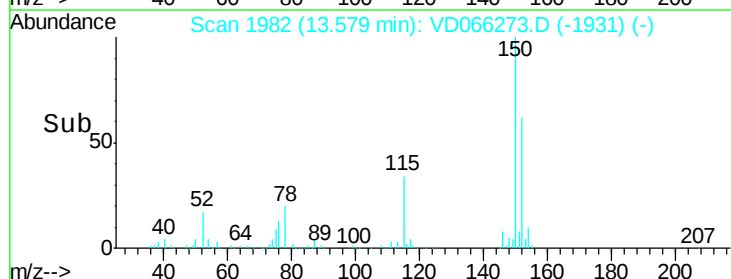
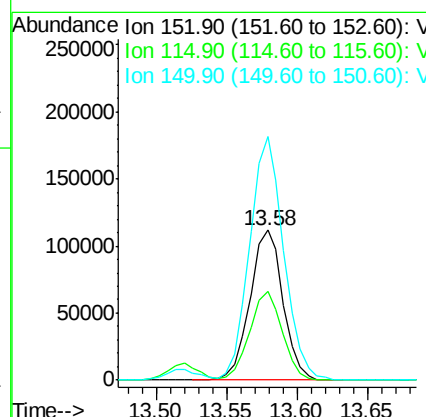
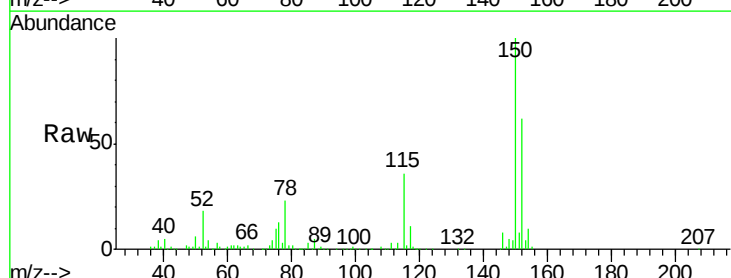
Manual Integrations
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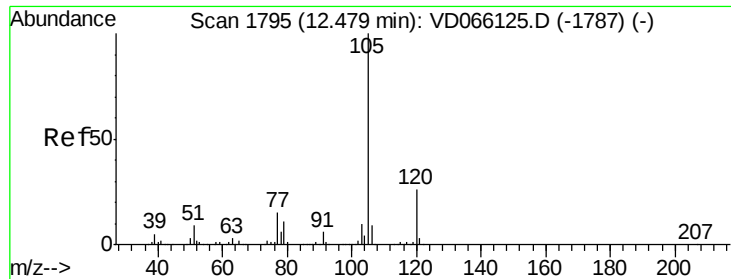
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066273.D
Acq: 18 Aug 2020 13:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.5	28.0	83.9
150	167.1	0.0	346.4





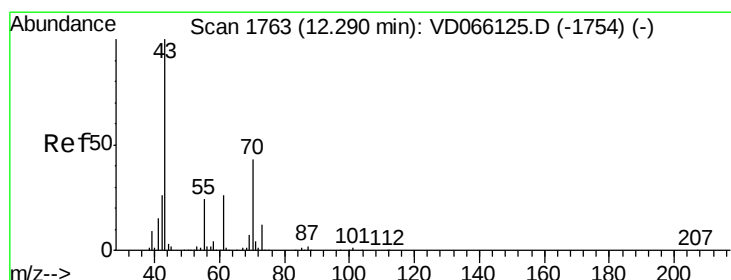
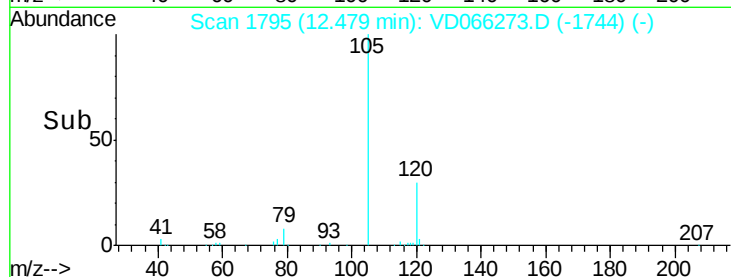
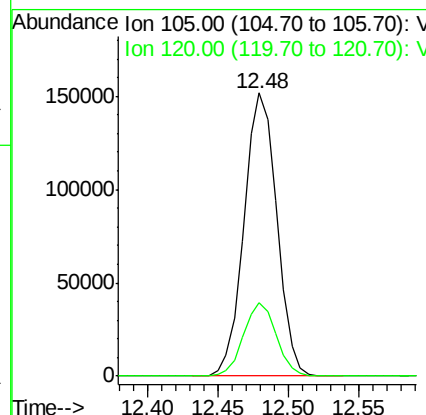
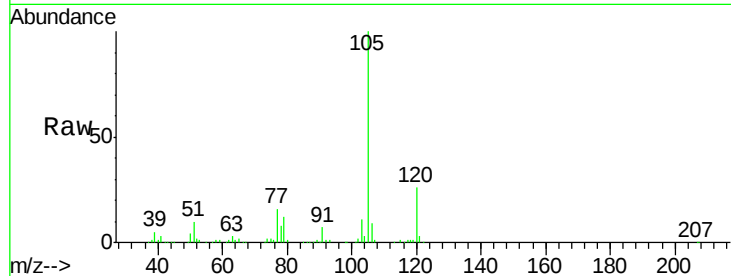
#73
Isopropylbenzene
Concen: 20.212 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VD066273.D
Acq: 18 Aug 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.3	39.9

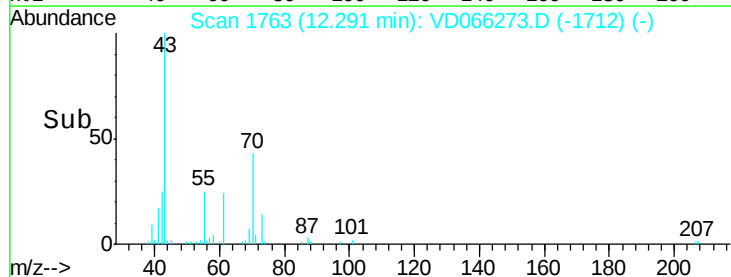
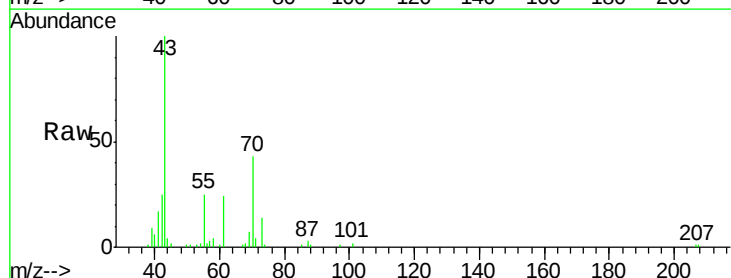
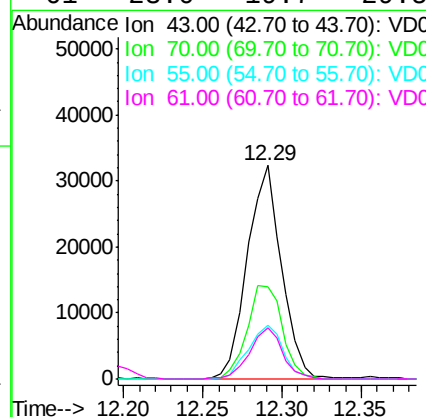
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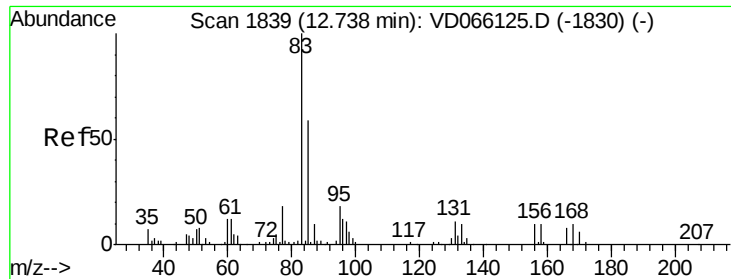
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#74
N-ethyl acetate
Concen: 18.018 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD066273.D
Acq: 18 Aug 2020 13:05

Tgt Ion	Ratio	Lower	Upper
43	100		
70	45.2	34.9	52.3
55	25.7	19.2	28.8
61	23.0	19.7	29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.429 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066273.D

Acq: 18 Aug 2020 13:05

Instrument :

MSVOA_D

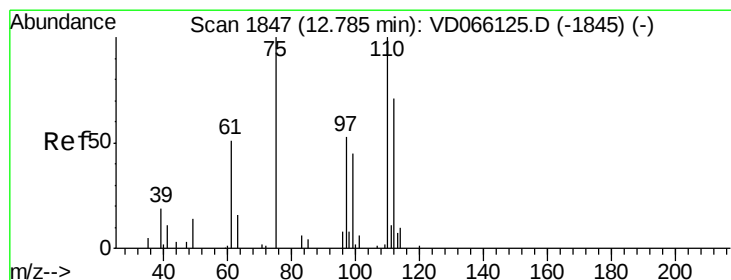
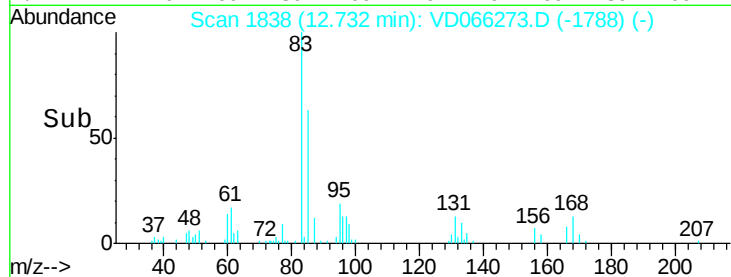
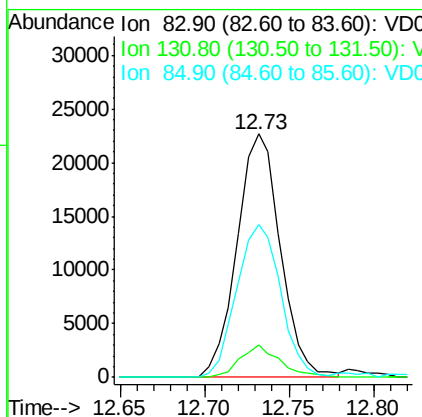
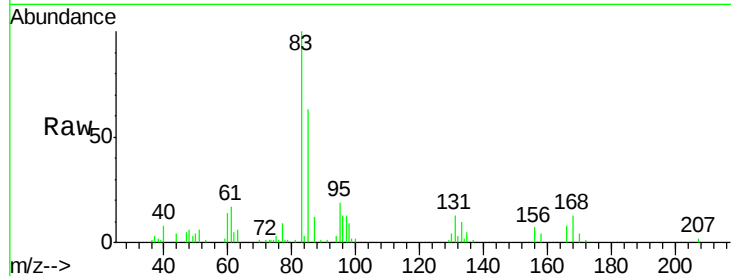
ClientSampleId :

VD0818SBS01

Tot Ion:	83	Resp:	40521
Ion Ratio	Lower	Upper	
83	100		
131	12.1	6.2	18.6
85	63.7	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.939 ug/l m

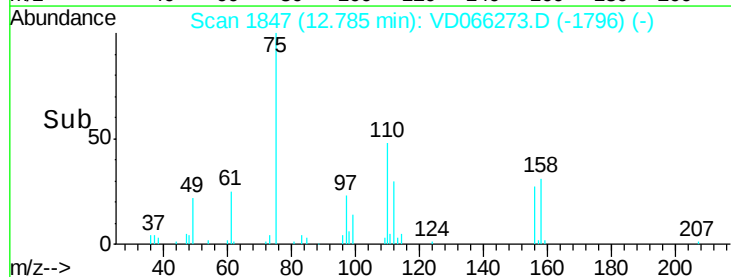
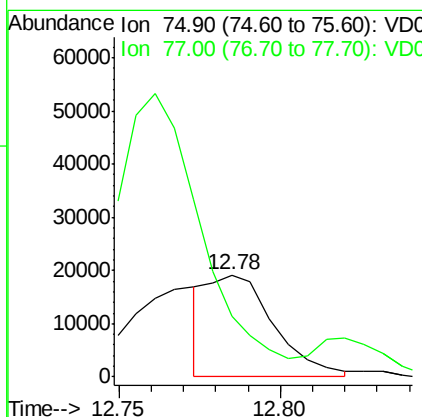
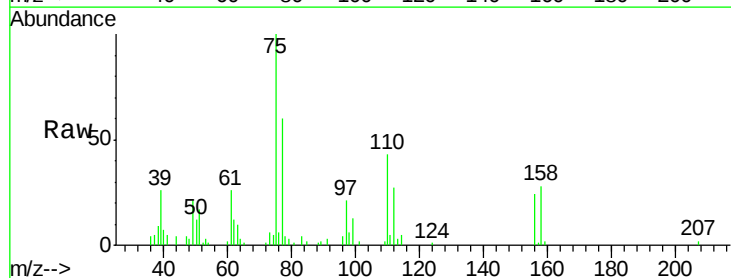
RT: 12.78 min Scan# 1847

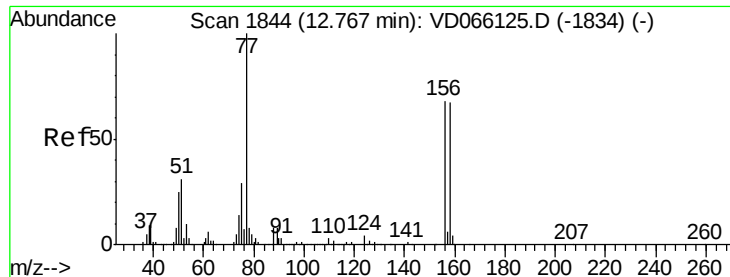
Delta R.T. 0.00 min

Lab File: VD066273.D

Acq: 18 Aug 2020 13:05

Tgt Ion:	75	Resp:	27410
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





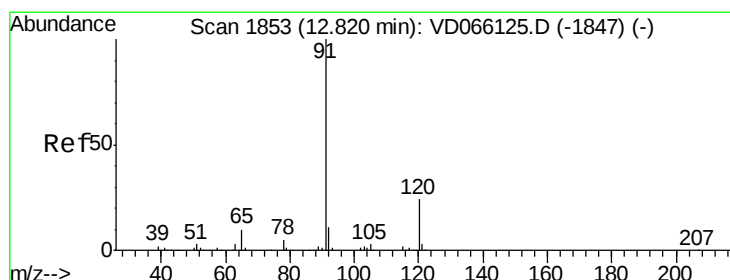
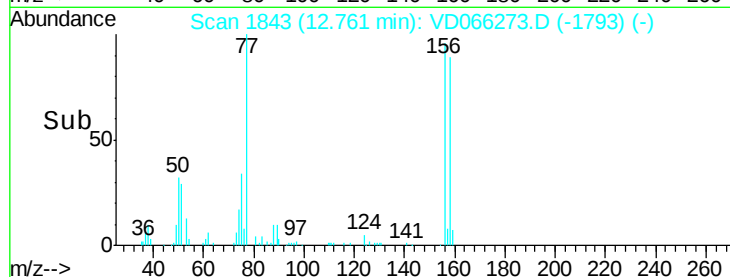
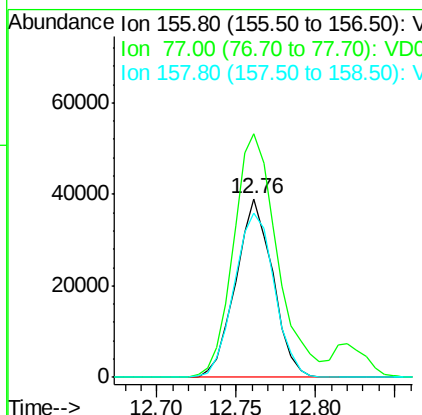
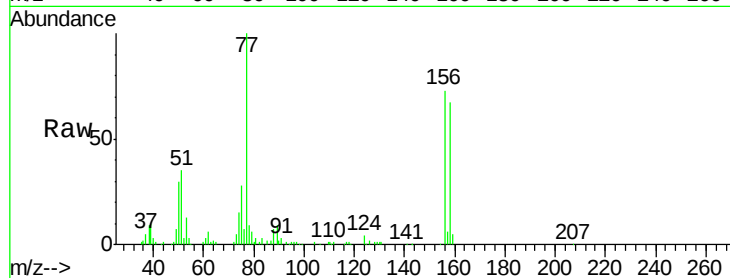
#77
Bromobenzene
Concen: 20.149 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. -0.01 min
Lab File: VD066273.D
Acq: 18 Aug 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	160.5	81.0	243.1
158	99.2	48.8	146.3

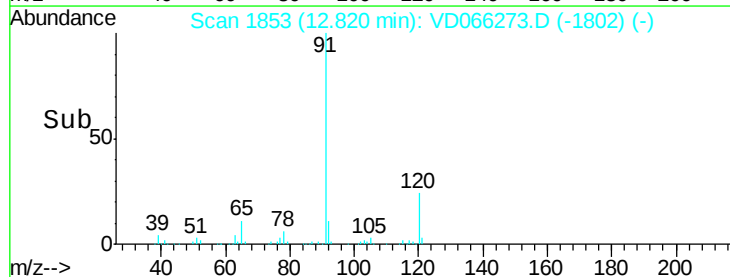
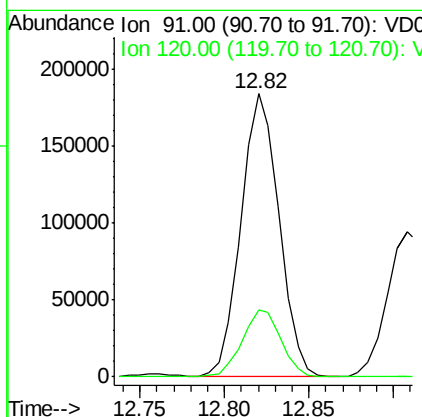
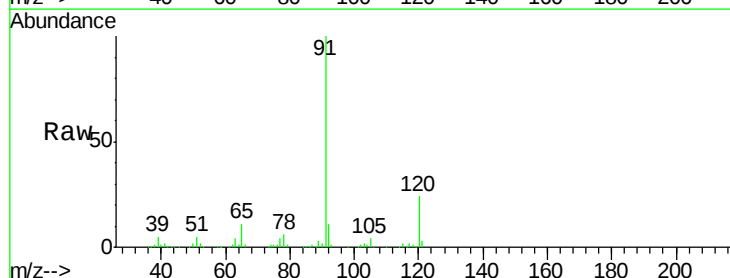
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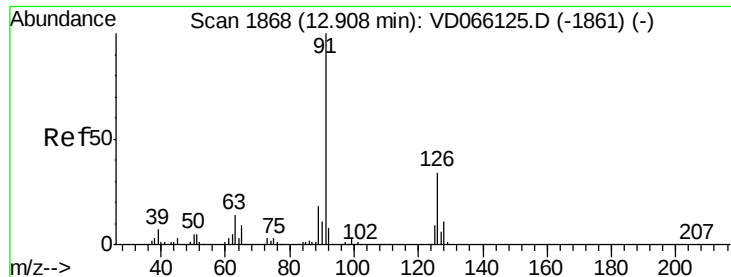
MMDadoda
8/19/2020 5:23:08 PM



#78
n-propylbenzene
Concen: 20.224 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VD066273.D
Acq: 18 Aug 2020 13:05

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.1	12.0	36.0





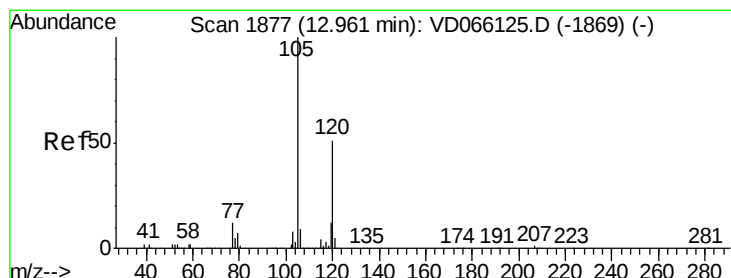
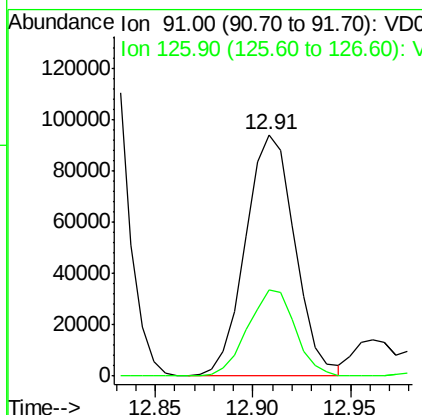
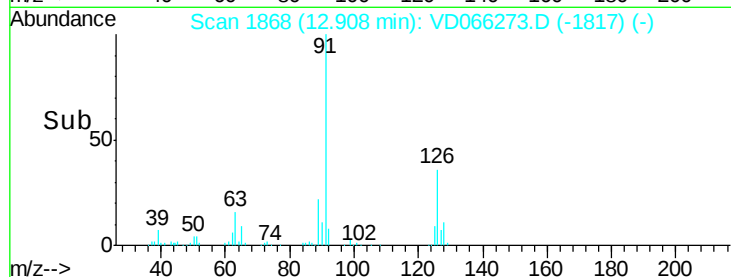
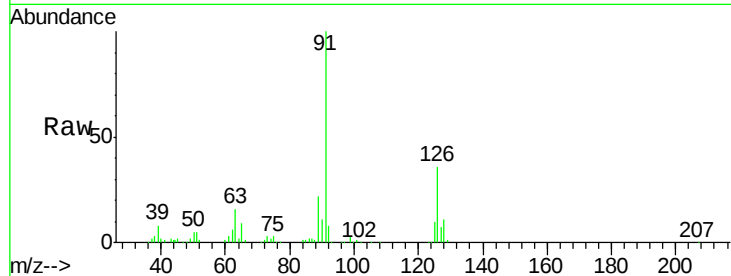
#79
 2-Chlorotoluene
 Concen: 20.254 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VD066273.D
 Acq: 18 Aug 2020 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.5	52.6

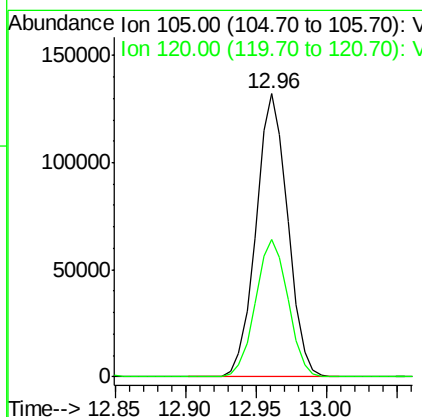
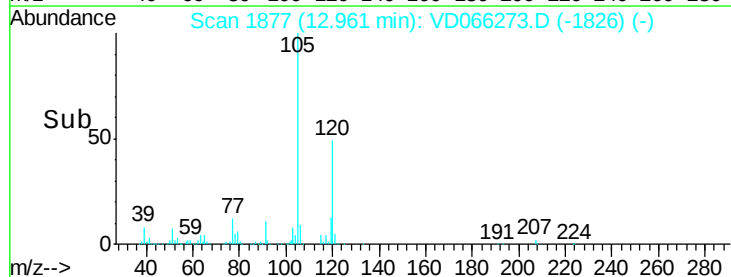
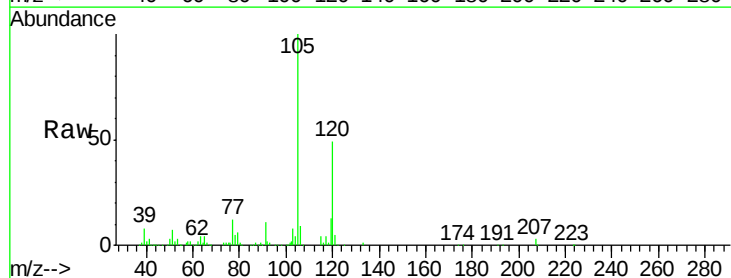
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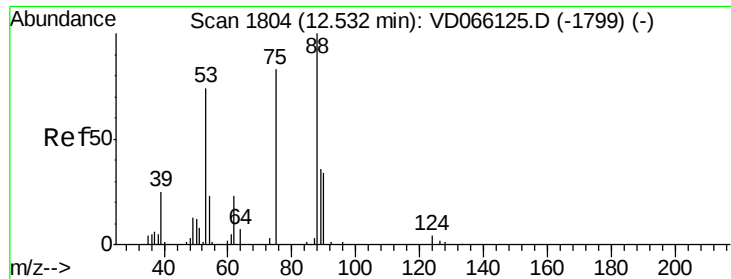
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.432 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD066273.D
 Acq: 18 Aug 2020 13:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.6	25.3	75.8





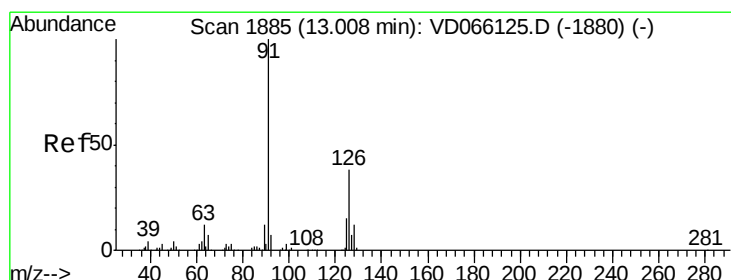
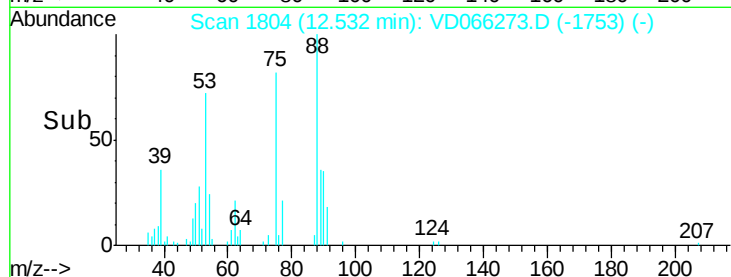
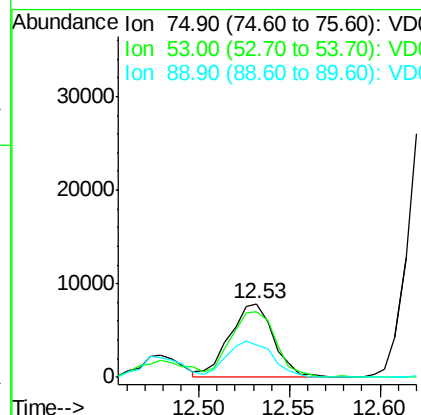
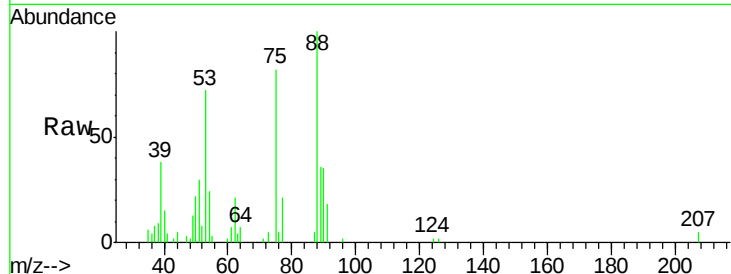
#81
trans-1,4-Dichloro-2-butene
Concen: 19.311 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD066273.D
Acq: 18 Aug 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.1	73.4	110.2
89	50.6	36.6	55.0

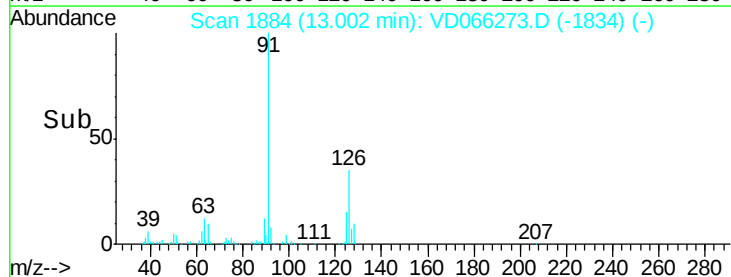
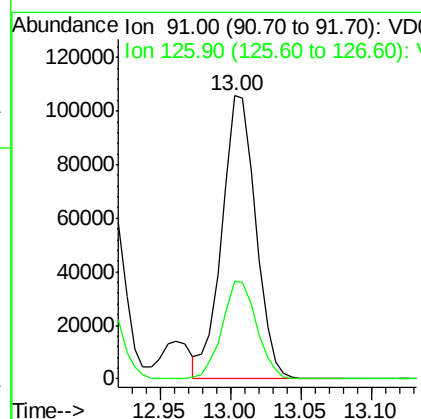
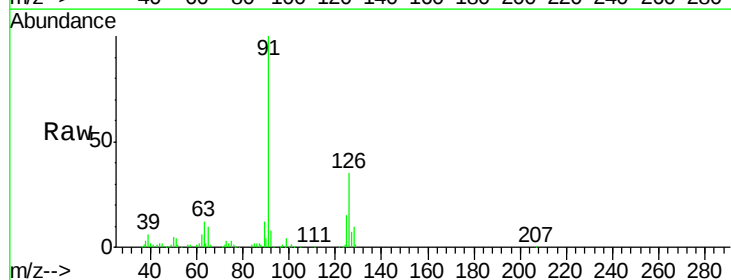
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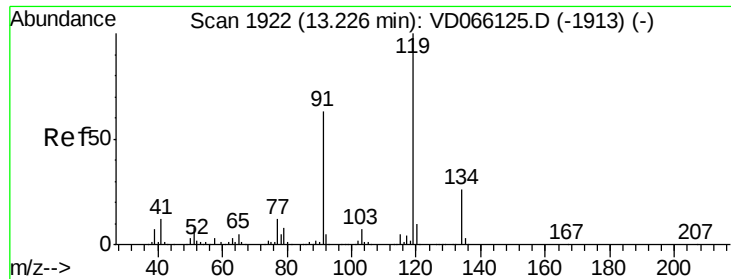
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#82
4-Chlorotoluene
Concen: 20.542 ug/l
RT: 13.00 min Scan# 1884
Delta R.T. -0.01 min
Lab File: VD066273.D
Acq: 18 Aug 2020 13:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.8	53.3





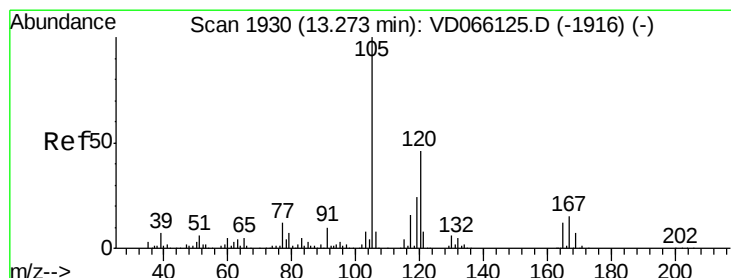
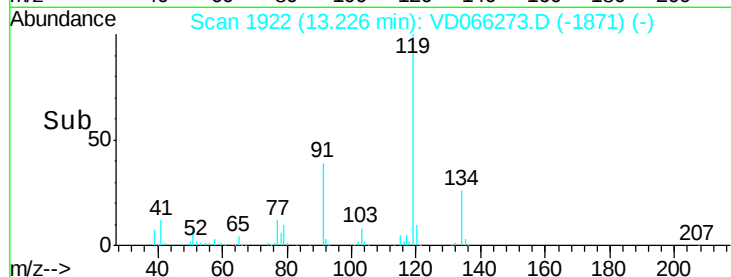
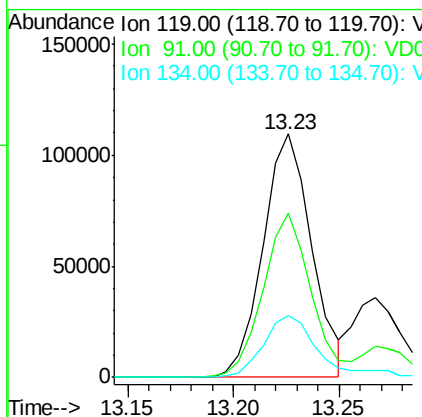
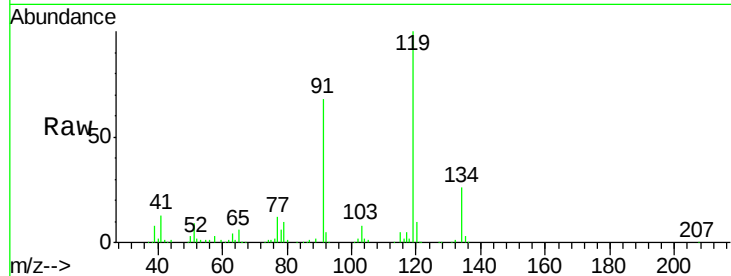
#83
tert-Butylbenzene
Concen: 19.542 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066273.D
Acq: 18 Aug 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	175789		
91	66.6		30.8	92.4
134	29.0		13.6	40.8

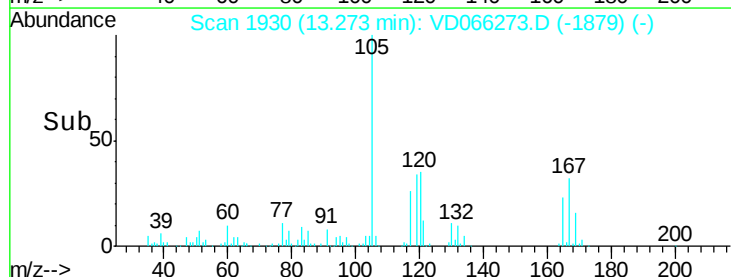
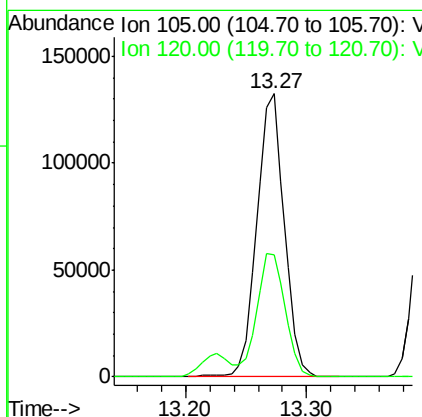
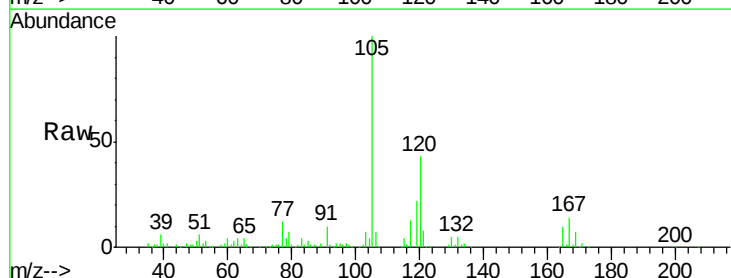
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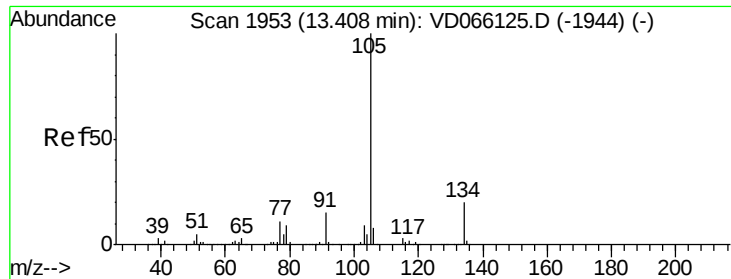
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#84
1,2,4-Trimethylbenzene
Concen: 20.539 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD066273.D
Acq: 18 Aug 2020 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	210247		
120	44.7		23.1	69.2





#85

sec-Butylbenzene

Concen: 20.843 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD066273.D

Acq: 18 Aug 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VD0818SBS01

Tot Ion:105 Resp: 253140

Ion Ratio Lower Upper

105 100

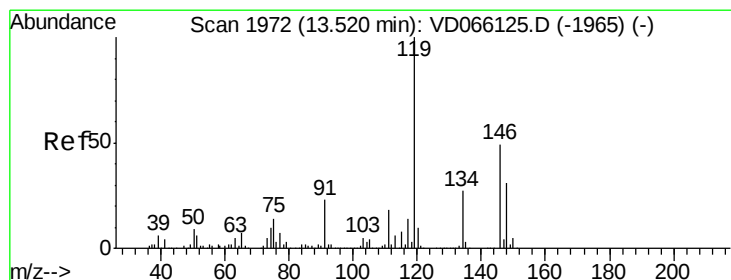
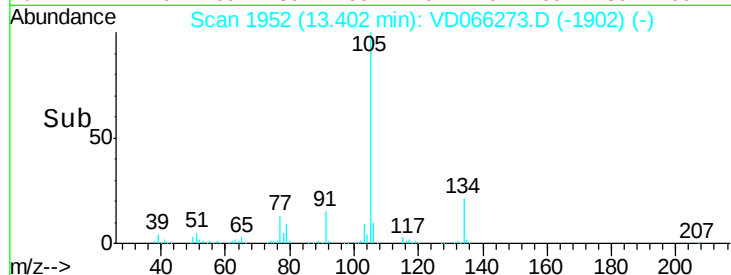
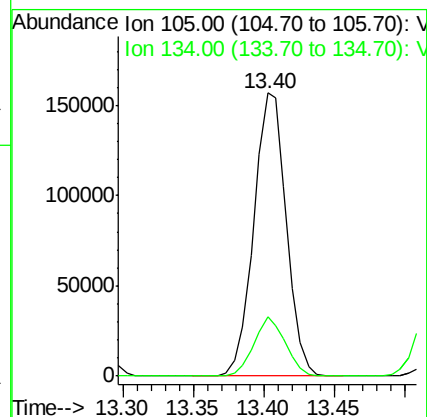
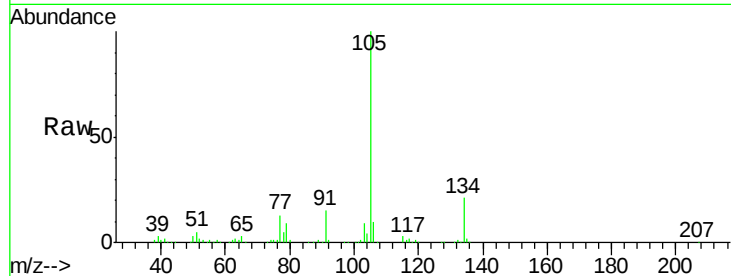
134 20.3 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 20.613 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066273.D

Acq: 18 Aug 2020 13:05

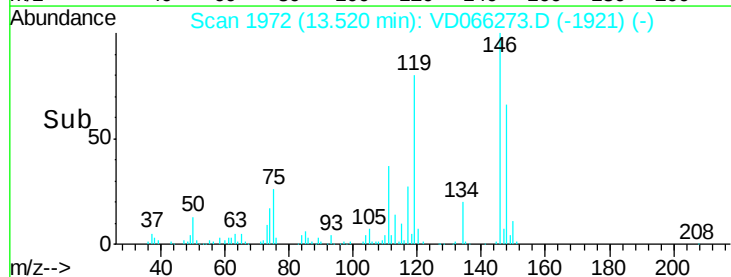
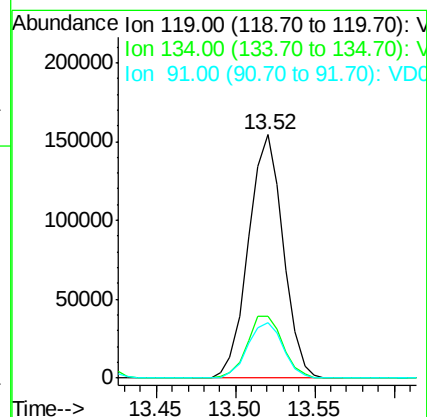
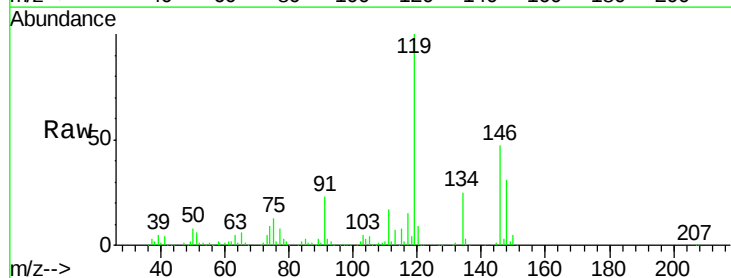
Tgt Ion:119 Resp: 234799

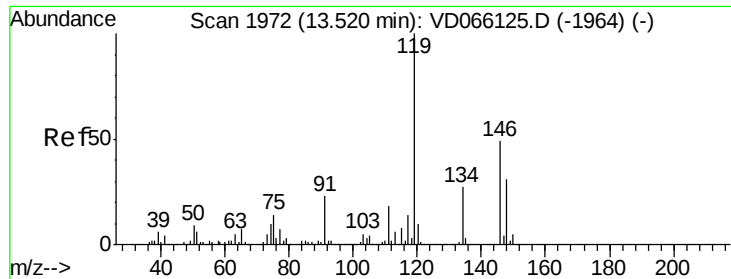
Ion Ratio Lower Upper

119 100

134 26.2 13.5 40.4

91 23.4 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 20.032 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066273.D

Acq: 18 Aug 2020 13:05

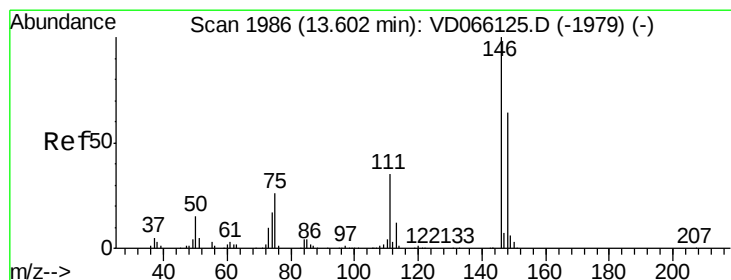
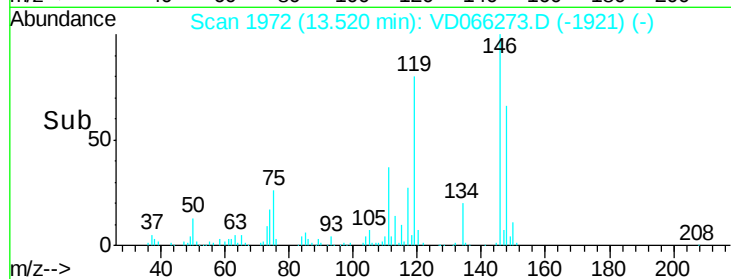
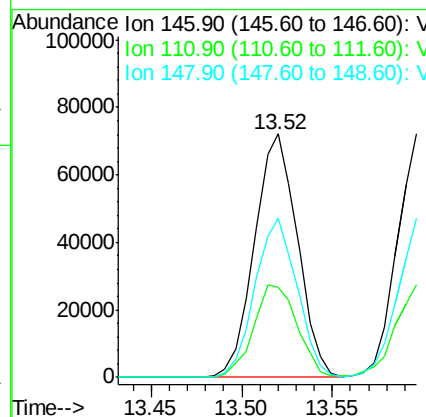
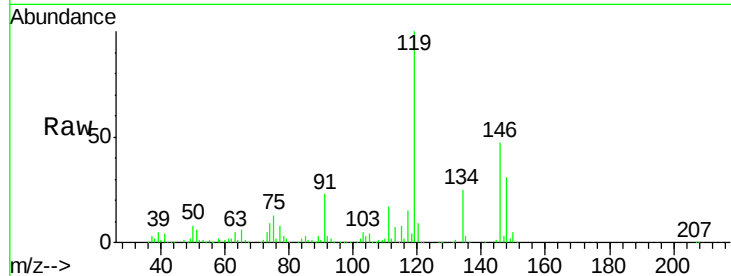
Instrument :
MSVOA_D

ClientSampleId :
VD0818SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	118535		
111	39.0	18.9	56.9	
148	64.1	31.8	95.3	

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#88

1,4-Dichlorobenzene

Concen: 20.218 ug/l

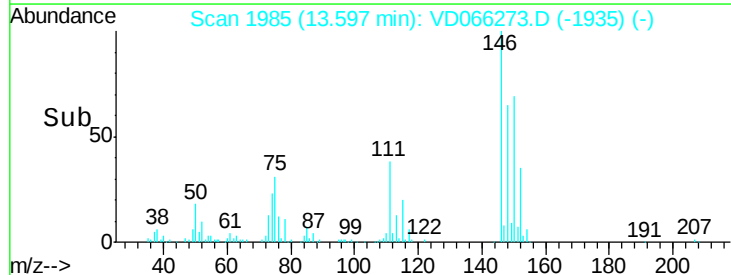
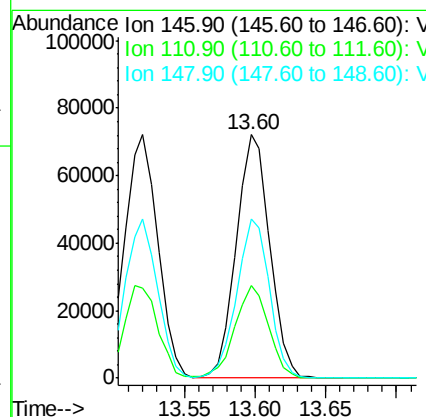
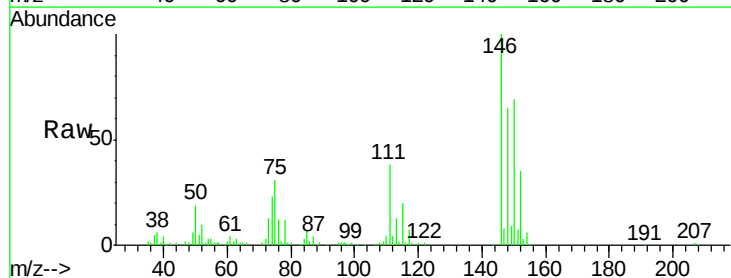
RT: 13.60 min Scan# 1985

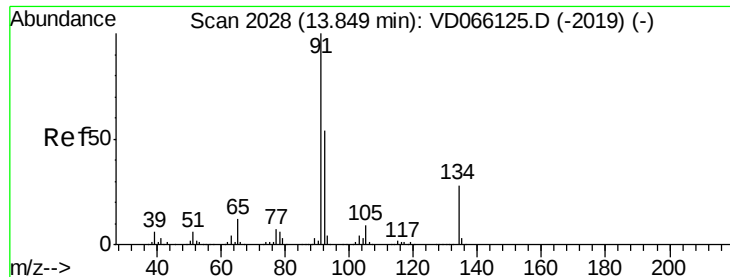
Delta R.T. -0.01 min

Lab File: VD066273.D

Acq: 18 Aug 2020 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	119311		
111	38.4	18.6	55.8	
148	63.9	32.4	97.0	





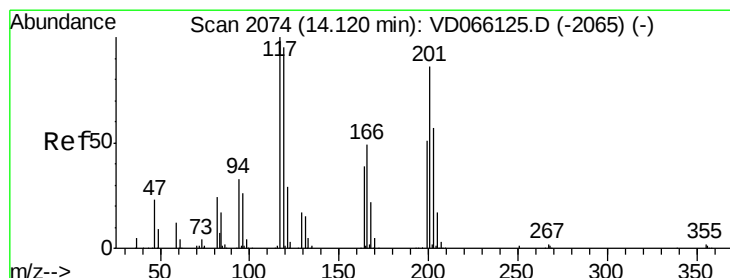
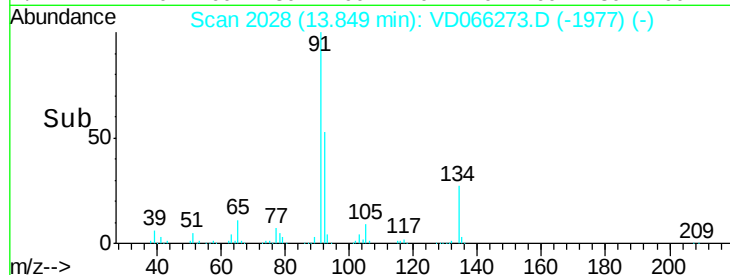
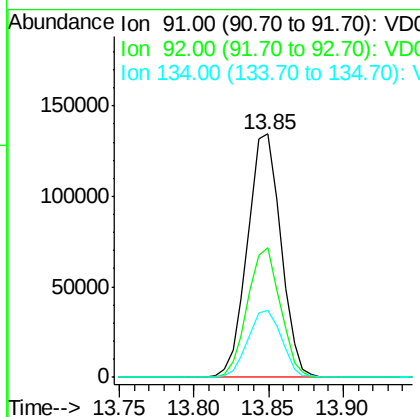
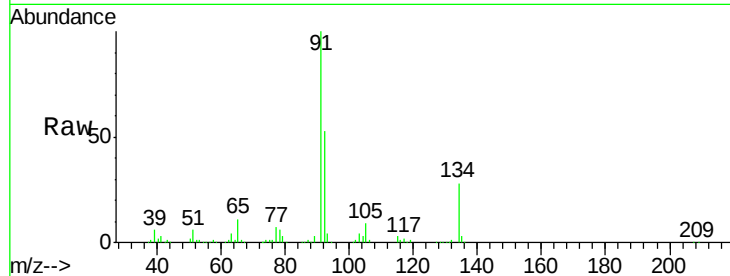
#89
n-Butylbenzene
Concen: 20.351 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066273.D
Acq: 18 Aug 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VD0818SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	207696		
92	52.2		26.8	80.3
134	27.7		14.0	41.9

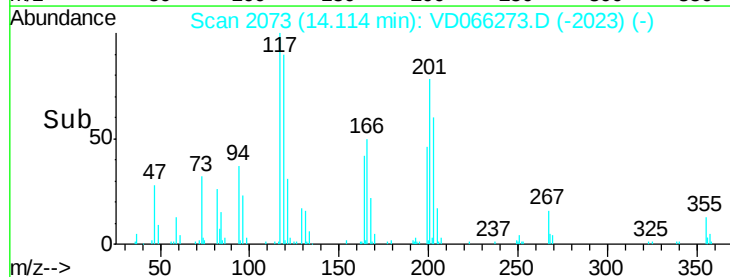
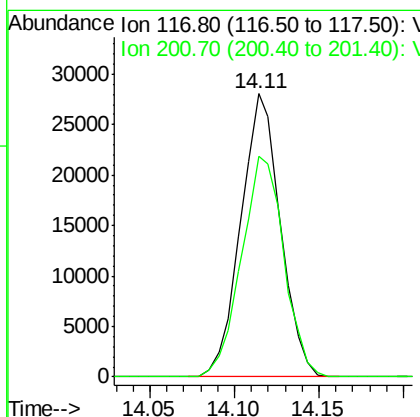
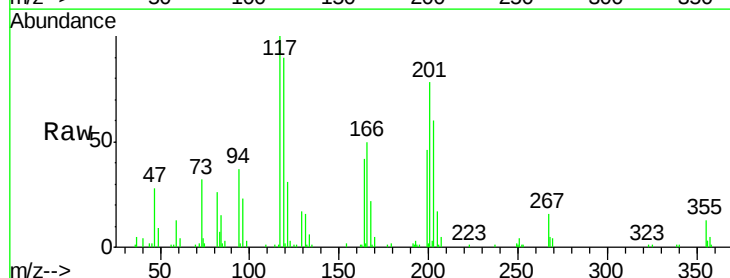
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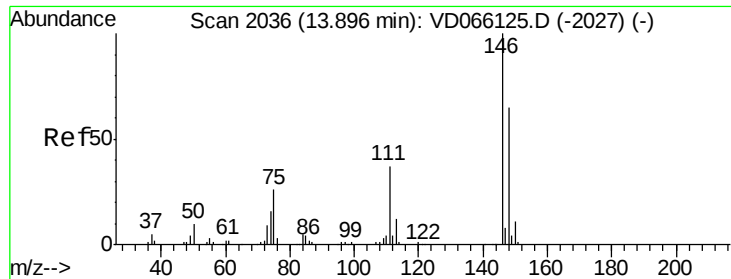
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#90
Hexachloroethane
Concen: 20.134 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD066273.D
Acq: 18 Aug 2020 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	45742		
201	83.4		42.7	128.1





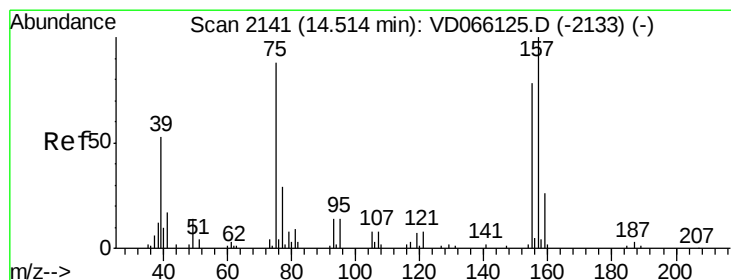
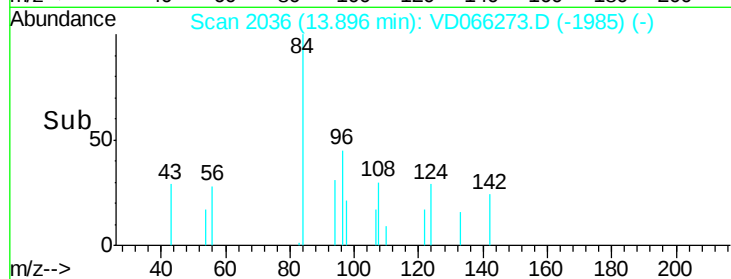
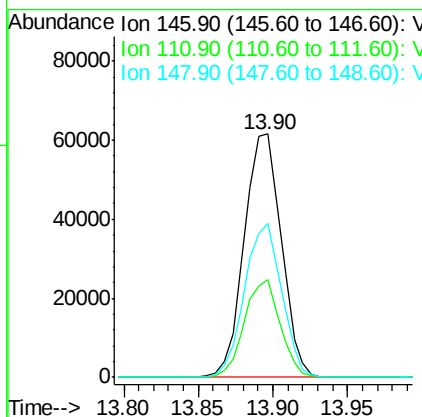
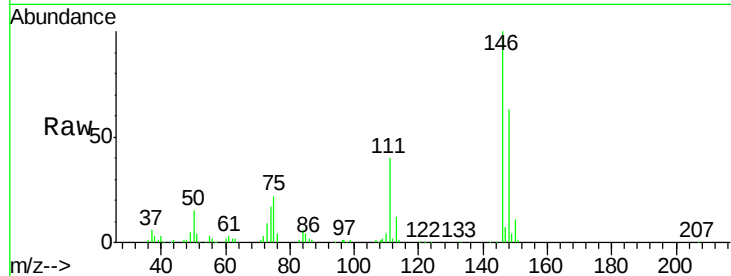
#91
 1,2-Dichlorobenzene
 Concen: 20.217 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD066273.D
 Acq: 18 Aug 2020 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.8	56.3
148	63.1	31.9	95.5

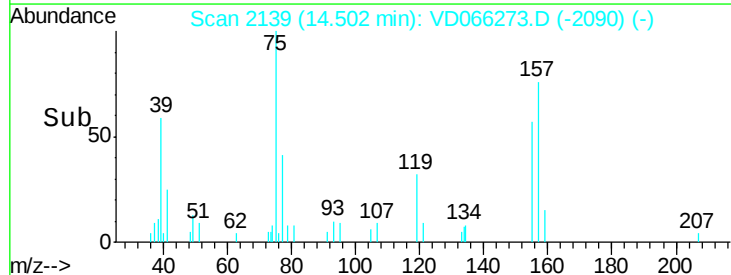
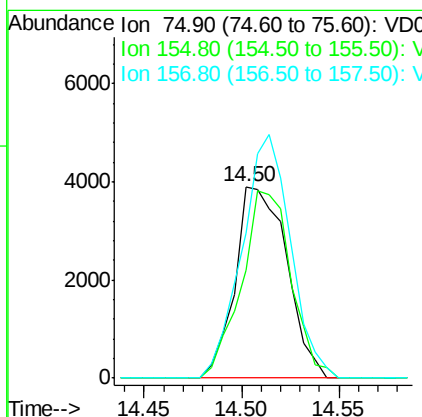
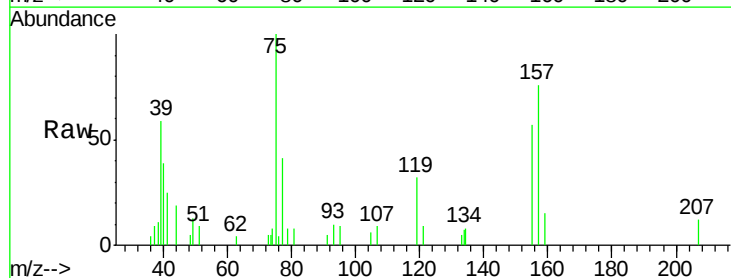
Manual Integrations
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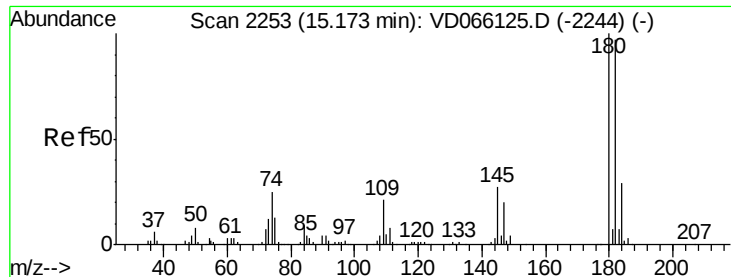
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.867 ug/l
 RT: 14.50 min Scan# 2139
 Delta R.T. -0.01 min
 Lab File: VD066273.D
 Acq: 18 Aug 2020 13:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.2	47.7	143.1
157	119.7	62.1	186.2





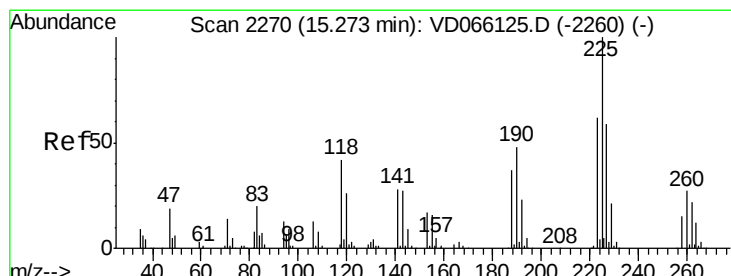
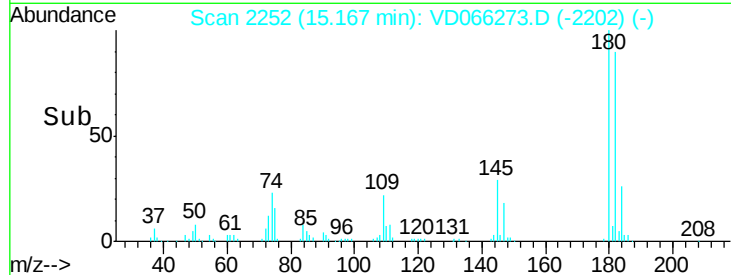
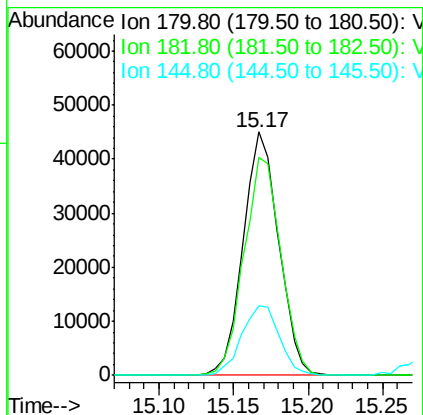
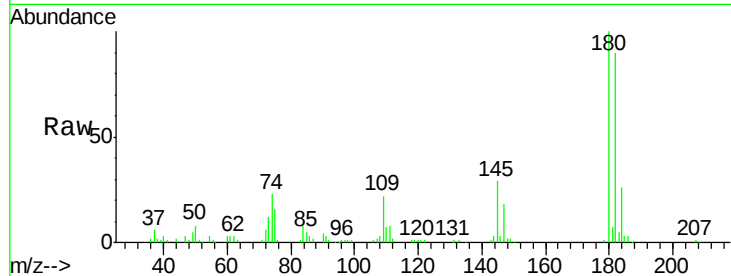
#93
 1,2,4-Trichlorobenzene
 Concen: 19.193 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD066273.D
 Acq: 18 Aug 2020 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.1	47.4	142.2
145	30.4	14.5	43.6

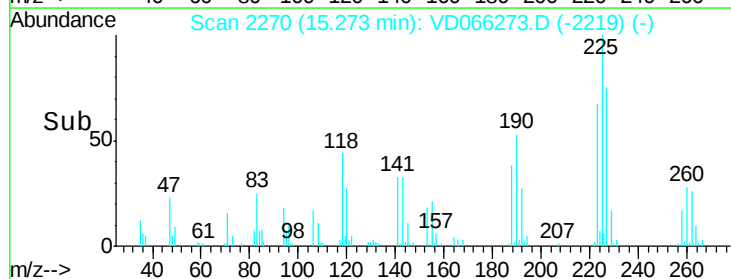
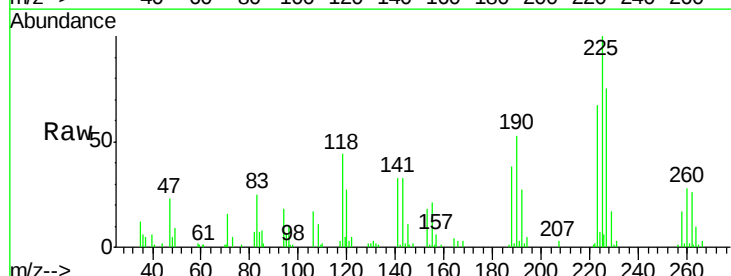
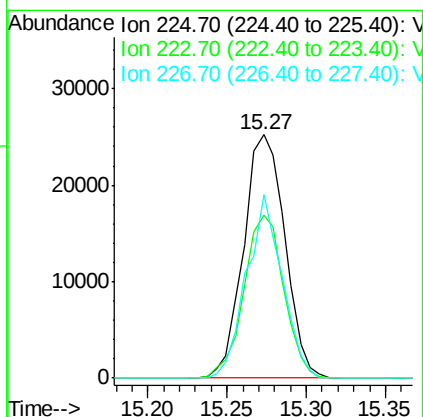
Manual Integrations
 APPROVED

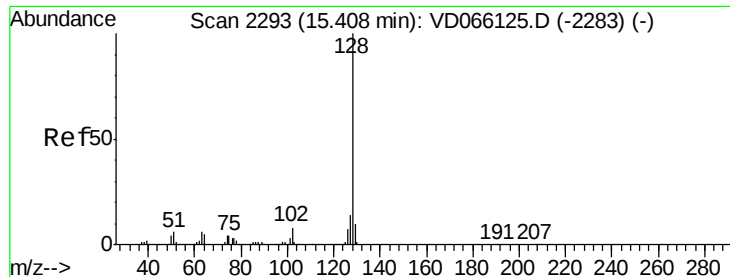
MMDadoda
 8/19/2020 5:23:08 PM



#94
 Hexachlorobutadiene
 Concen: 20.126 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066273.D
 Acq: 18 Aug 2020 13:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.8	32.3	96.9
227	64.9	32.1	96.5





#95

Naphthalene

Concen: 18.621 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066273.D

Acq: 18 Aug 2020 13:05

Instrument :

MSVOA_D

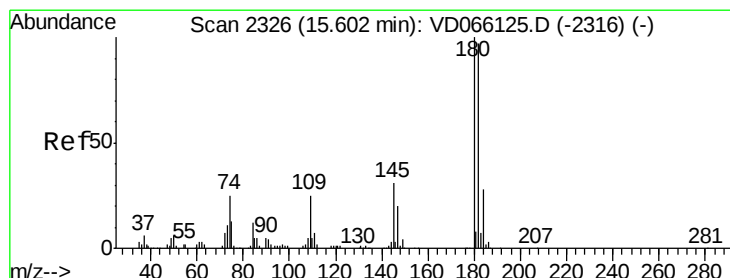
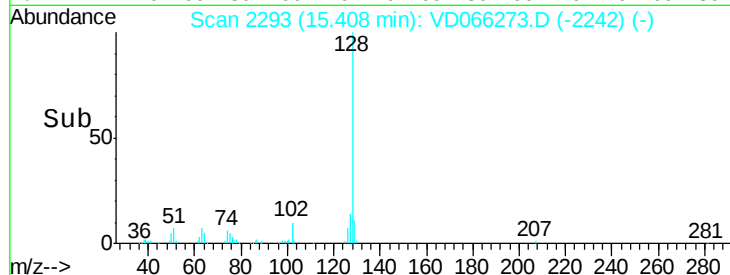
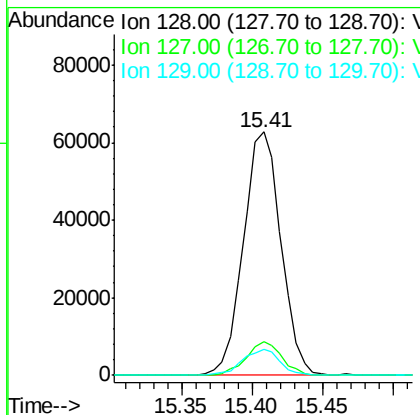
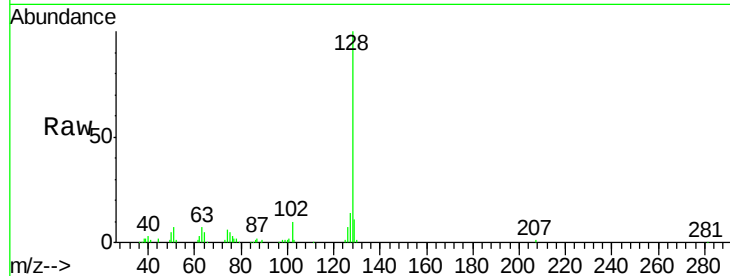
ClientSampleId :

VD0818SBS01

Tot Ion:	128	Resp:	117013
Ion Ratio	Lower	Upper	
128	100		
127	13.3	11.0	16.4
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/19/2020 5:23:08 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.507 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD066273.D

Acq: 18 Aug 2020 13:05

Tgt Ion:	180	Resp:	66409
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.1	141.4
145	30.1	14.9	44.9

