

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081320\
 Data File : VD066226.D
 Acq On : 13 Aug 2020 22:31
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/14/2020 5:11:59 PM

Quant Time: Aug 14 04:31:09 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	7.98	168	280806	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	424049	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	409373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	201979	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	139149	55.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.08%	
35) Dibromofluoromethane	7.91	113	142028	52.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.74%	
50) Toluene-d8	10.34	98	518793	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	
62) 4-Bromofluorobenzene	12.63	95	194878	54.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	105261	42.547	ug/l	98
3) Chloromethane	2.20	50	87531	45.482	ug/l	97
4) Vinyl Chloride	2.35	62	86558	50.802	ug/l	95
5) Bromomethane	2.76	94	63892	56.521	ug/l	99
6) Chloroethane	2.92	64	54619	52.223	ug/l	96
7) Trichlorofluoromethane	3.27	101	219680	49.455	ug/l	98
8) Diethyl Ether	3.71	74	66899	53.376	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	129823	49.247	ug/l	99
10) Methyl Iodide	4.30	142	135337	55.532	ug/l	98
11) Tert butyl alcohol	5.22	59	47299	253.353	ug/l #	95
12) 1,1-Dichloroethene	4.07	96	122250	49.159	ug/l	99
13) Acrolein	3.92	56	37602	188.566	ug/l	98
14) Allyl chloride	4.71	41	191656	50.871	ug/l	96
15) Acrylonitrile	5.42	53	148881	281.887	ug/l	99
16) Acetone	4.15	43	116315	244.695	ug/l	97
17) Carbon Disulfide	4.40	76	356985	45.148	ug/l	98
18) Methyl Acetate	4.71	43	65197	53.998	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	317195	55.648	ug/l	98
20) Methylene Chloride	4.96	84	170322	63.667	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	145290	50.857	ug/l	97
22) Diisopropyl ether	6.36	45	402621	54.041	ug/l	93
23) Vinyl Acetate	6.30	43	1211169	277.492	ug/l	100
24) 1,1-Dichloroethane	6.26	63	245449	53.234	ug/l	98
25) 2-Butanone	7.21	43	179215	256.334	ug/l	99
26) 2,2-Dichloropropane	7.21	77	202107	48.907	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	164151	54.782	ug/l	99
28) Bromochloromethane	7.54	49	88222	54.478	ug/l	98
29) Tetrahydrofuran	7.56	42	119864	276.716	ug/l	100
30) Chloroform	7.71	83	276916	57.197	ug/l	96
31) Cyclohexane	7.98	56	197678	45.039	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	246500	54.303	ug/l	99
36) 1,1-Dichloropropene	8.11	75	191903	48.159	ug/l	98
37) Ethyl Acetate	7.29	43	84120	53.280	ug/l	99
38) Carbon Tetrachloride	8.09	117	222868	50.154	ug/l	97

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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	229118	47.565	ug/l	97
40) Benzene	8.35	78	568092	51.392	ug/l	97
41) Methacrylonitrile	7.52	41	41061m	44.232	ug/l	
42) 1,2-Dichloroethane	8.42	62	176955	54.492	ug/l	100
43) Isopropyl Acetate	8.45	43	167695	53.908	ug/l	100
44) Trichloroethene	9.11	130	171649	51.531	ug/l	99
45) 1,2-Dichloropropane	9.38	63	144257	53.359	ug/l	93
46) Dibromomethane	9.47	93	83355	55.974	ug/l	99
47) Bromodichloromethane	9.66	83	215411	54.730	ug/l	99
48) Methyl methacrylate	9.45	41	80874	50.915	ug/l #	84
49) 1,4-Dioxane	9.46	88	19196	1003.336	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	435159	272.339	ug/l	98
52) Toluene	10.40	92	381322	52.424	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	202347	54.173	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	238286	54.450	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	111453	51.975	ug/l	89
56) Ethyl methacrylate	10.66	69	150615	58.469	ug/l	97
57) 1,3-Dichloropropane	10.94	76	192390	54.043	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	335140	289.236	ug/l	100
59) 2-Hexanone	10.98	43	298299	266.004	ug/l	99
60) Dibromochloromethane	11.14	129	161007	54.386	ug/l	100
61) 1,2-Dibromoethane	11.24	107	113207	54.895	ug/l	98
64) Tetrachloroethene	10.87	164	150662	47.928	ug/l	98
65) Chlorobenzene	11.67	112	424417	51.071	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	168311	51.762	ug/l	99
67) Ethyl Benzene	11.74	91	733402	50.927	ug/l	100
68) m/p-Xylenes	11.85	106	558735	100.139	ug/l	98
69) o-Xylene	12.18	106	268392	52.879	ug/l	99
70) Styrene	12.20	104	461352	51.866	ug/l	98
71) Bromoform	12.36	173	101090	52.473	ug/l #	99
73) Isopropylbenzene	12.48	105	729809	54.130	ug/l	100
74) N-amyl acetate	12.28	43	160859	54.180	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	125847	54.740	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	97369m	57.808	ug/l	
77) Bromobenzene	12.76	156	188413	54.287	ug/l	98
78) n-propylbenzene	12.82	91	822976	52.511	ug/l	100
79) 2-Chlorotoluene	12.91	91	473915	52.871	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	611741	54.254	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	37778	49.580	ug/l	89
82) 4-Chlorotoluene	13.01	91	511644	54.071	ug/l	99
83) tert-Butylbenzene	13.23	119	525997	53.044	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	603585	53.489	ug/l	100
85) sec-Butylbenzene	13.40	105	705702	52.711	ug/l	99
86) p-Isopropyltoluene	13.52	119	670761	53.418	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	340749	52.238	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	341488	52.494	ug/l	99
89) n-Butylbenzene	13.84	91	608024	54.045	ug/l	100
90) Hexachloroethane	14.11	117	131266	52.415	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	306702	53.166	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	21766	55.086	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	228299	53.702	ug/l	99
94) Hexachlorobutadiene	15.27	225	133513	53.333	ug/l	97
95) Naphthalene	15.41	128	413758	59.731	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	205047	54.637	ug/l	99

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

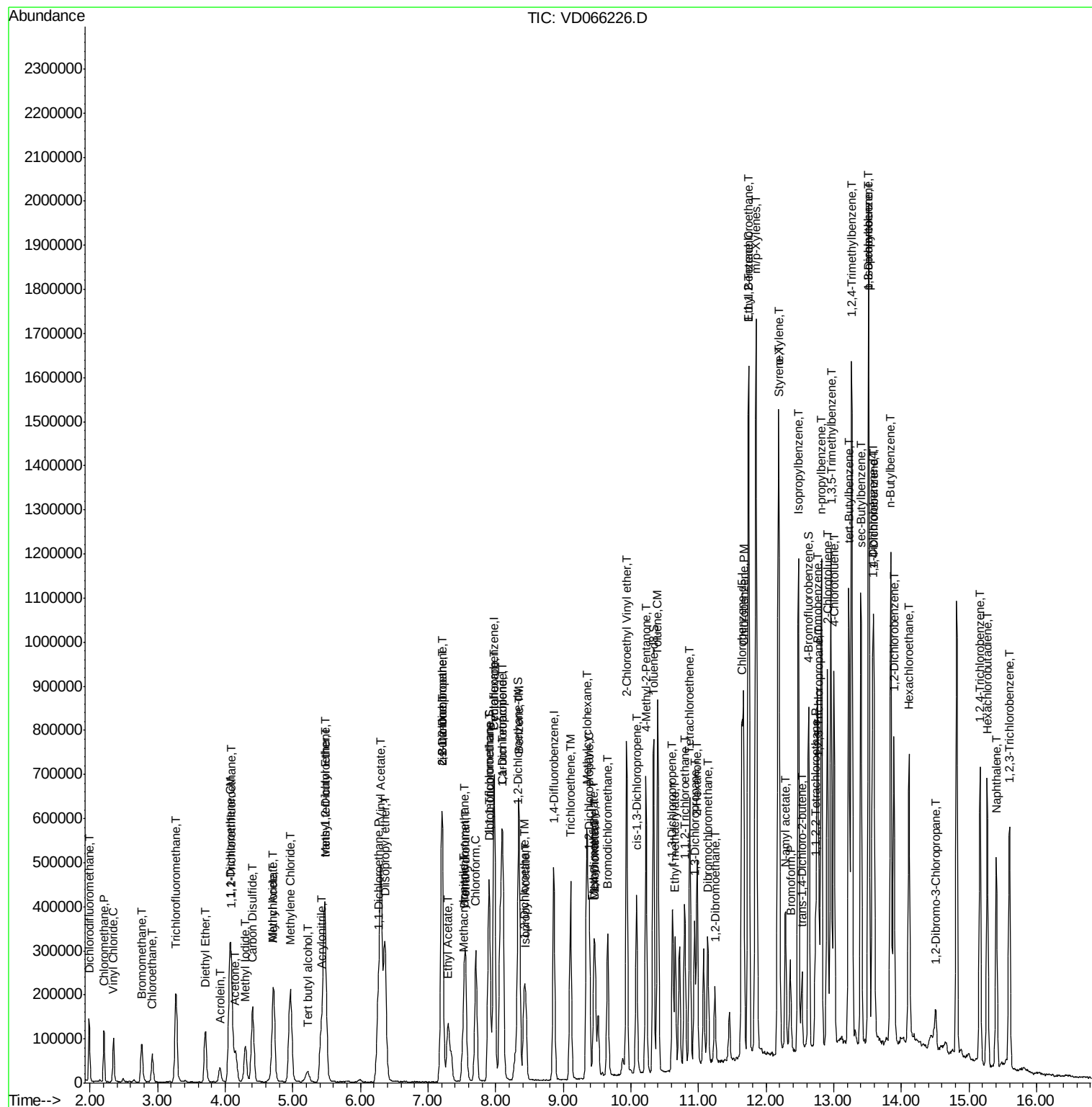
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Operator : VA/SY
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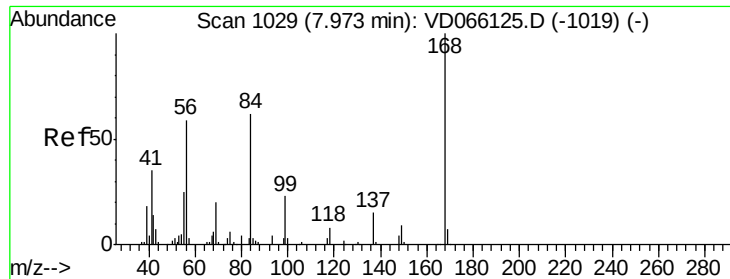
Instrument :
MSVOA_D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066226.D

Acq: 13 Aug 2020 22:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 280806

Ion Ratio Lower Upper

168 100

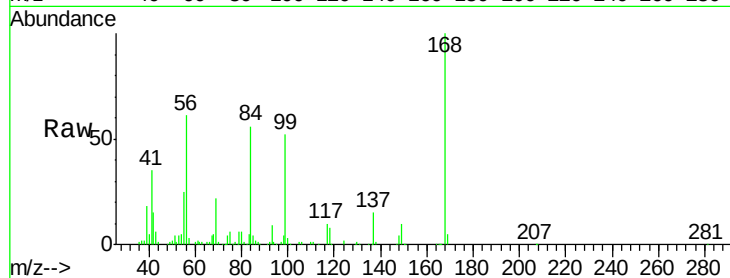
99 51.8 42.2 63.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

100000

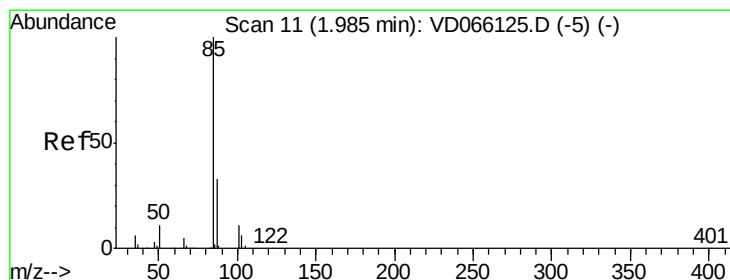
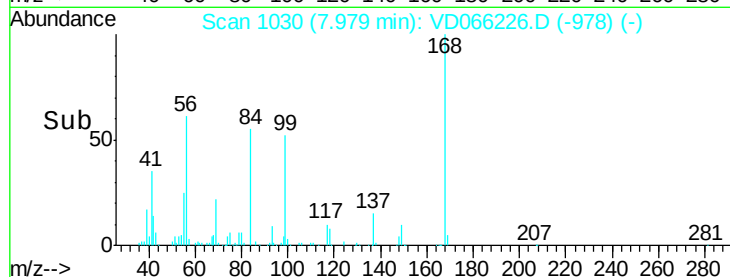
50000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 42.547 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066226.D

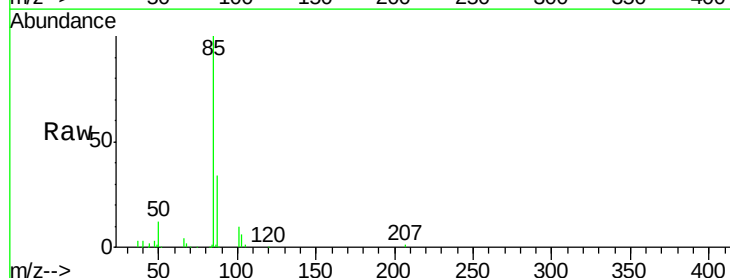
Acq: 13 Aug 2020 22:31

Tgt Ion: 85 Resp: 105261

Ion Ratio Lower Upper

85 100

87 33.5 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

80000

60000

40000

20000

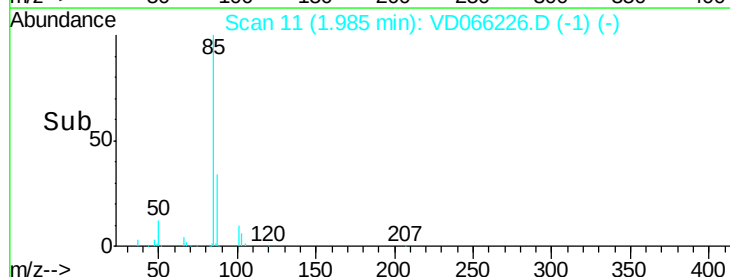
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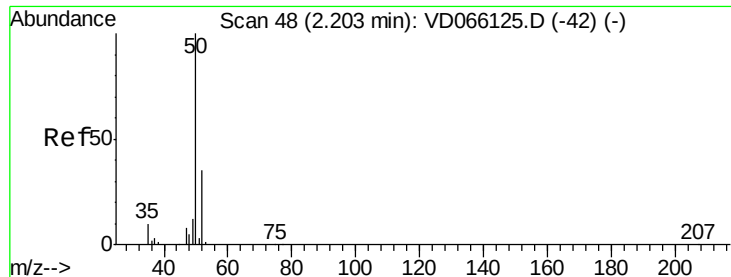
1.95

2.00

2.05

Time-->





#3

Chloromethane

Concen: 45.482 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD066226.D

Acq: 13 Aug 2020 22:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 87531

Ion Ratio Lower Upper

50 100

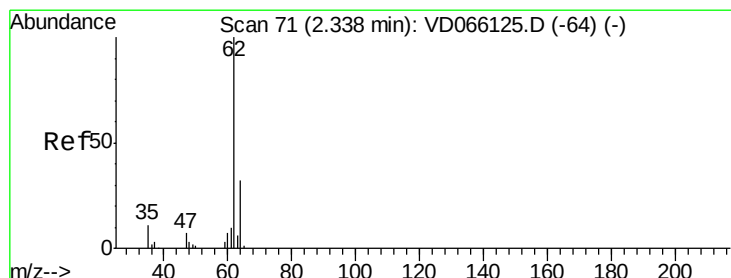
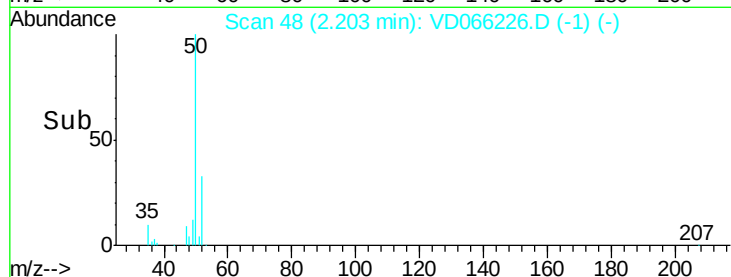
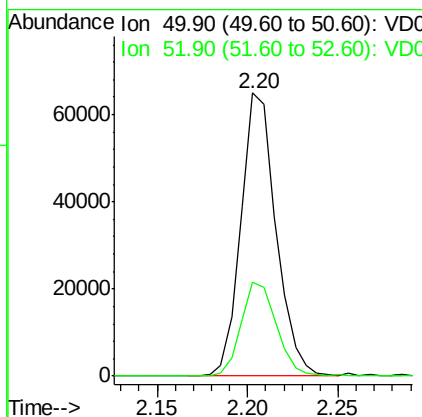
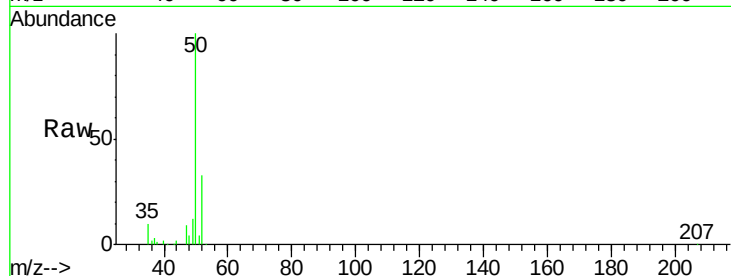
52 33.2 27.9 41.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.802 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD066226.D

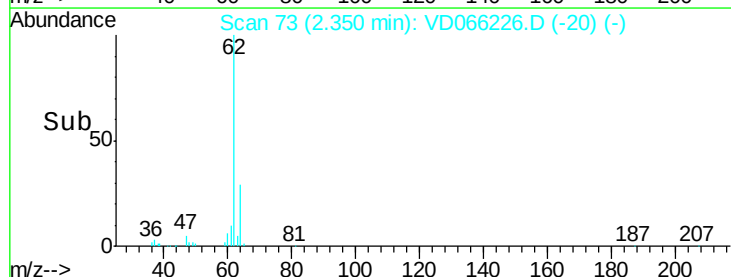
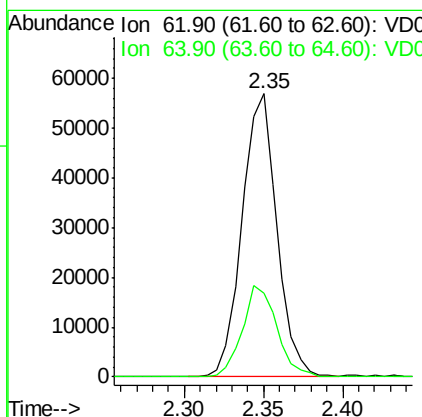
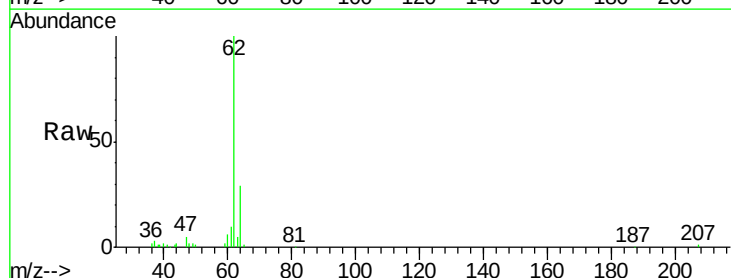
Acq: 13 Aug 2020 22:31

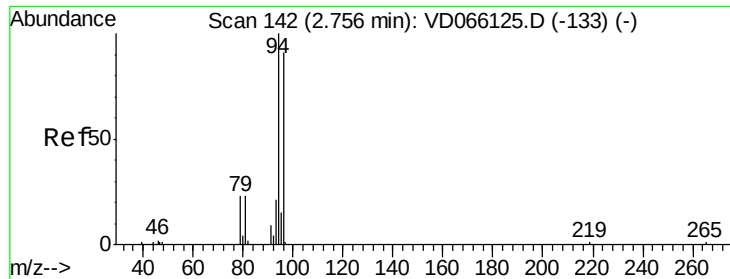
Tgt Ion: 62 Resp: 86558

Ion Ratio Lower Upper

62 100

64 29.4 25.8 38.8





#5

Bromomethane

Concen: 56.521 ug/l

RT: 2.76 min Scan# 143

Delta R.T. 0.01 min

Lab File: VD066226.D

Acq: 13 Aug 2020 22:31

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 63892

Ion Ratio Lower Upper

94 100

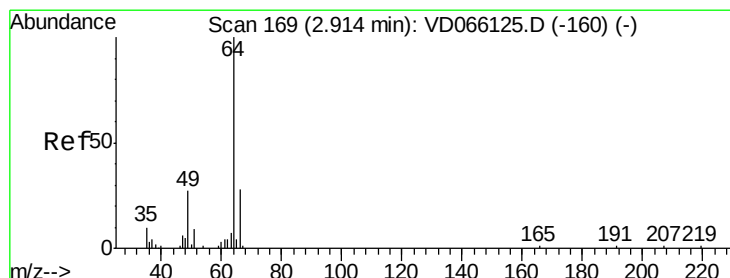
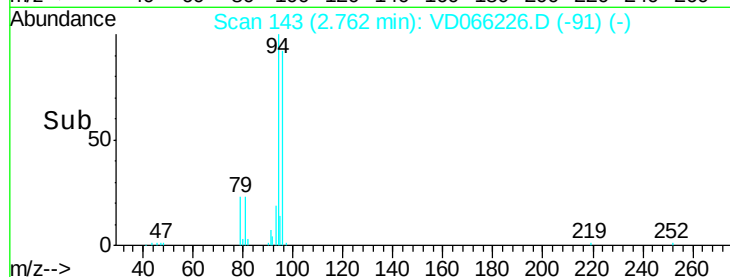
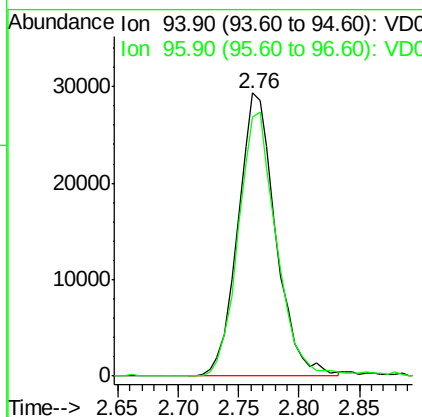
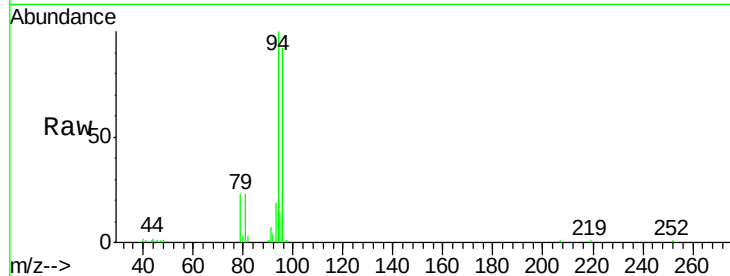
96 91.6 72.6 109.0

Manual Integrations

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#6

Chloroethane

Concen: 52.223 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.01 min

Lab File: VD066226.D

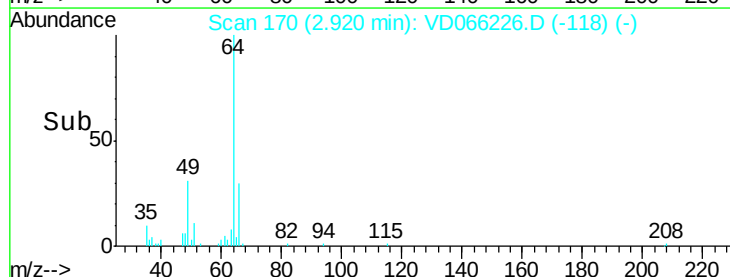
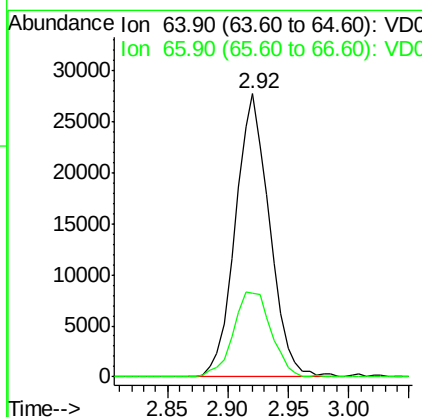
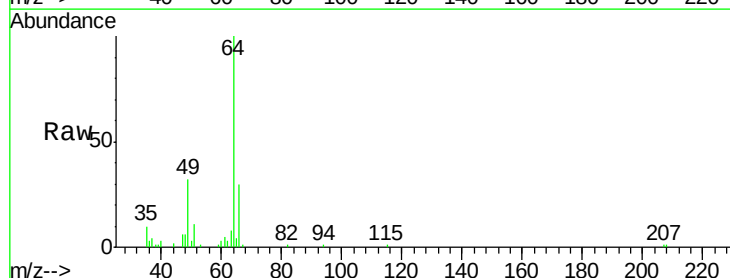
Acq: 13 Aug 2020 22:31

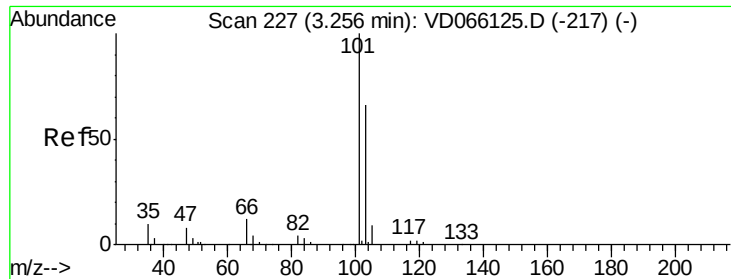
Tgt Ion: 64 Resp: 54619

Ion Ratio Lower Upper

64 100

66 29.7 22.0 33.0





#7

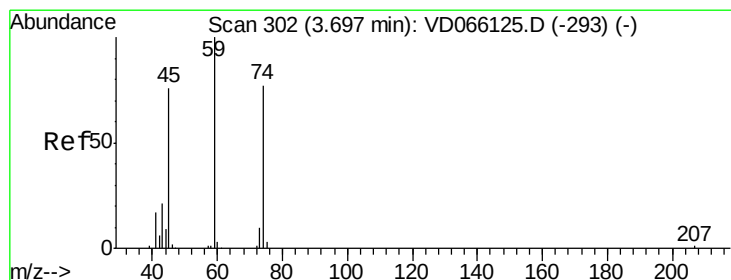
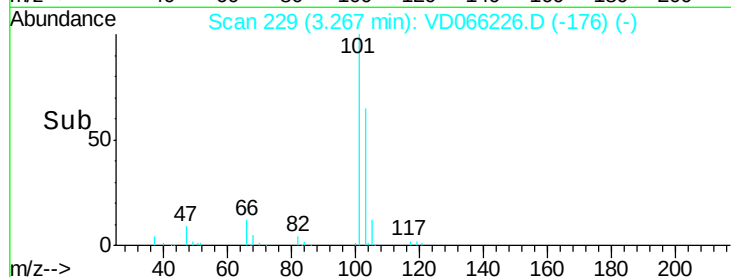
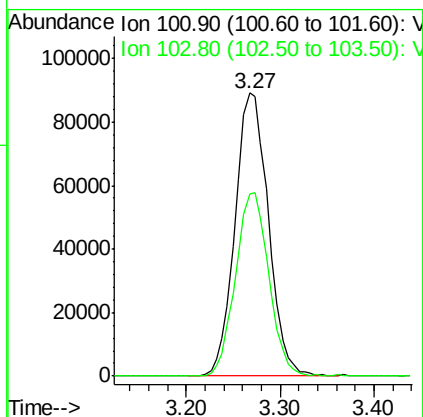
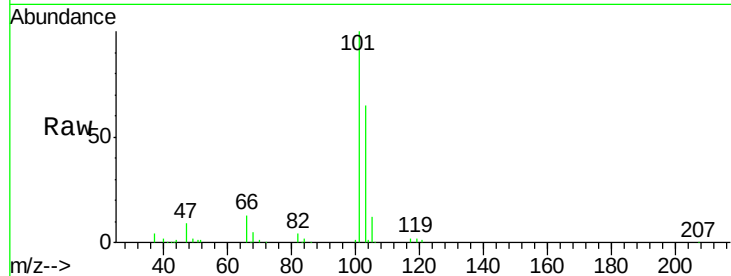
Trichlorofluoromethane
 Concen: 49.455 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.01 min
 Lab File: VD066226.D
 Acq: 13 Aug 2020 22:31

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 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	219680		
103	64.5	53.0	79.6	

Manual Integrations
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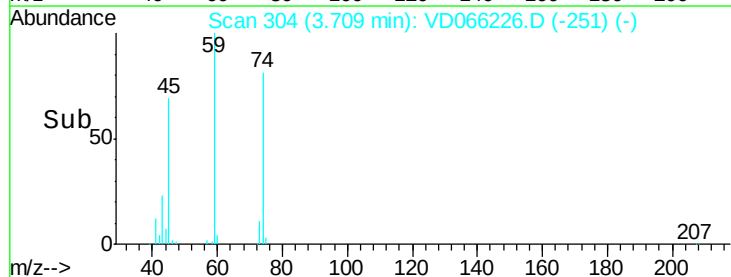
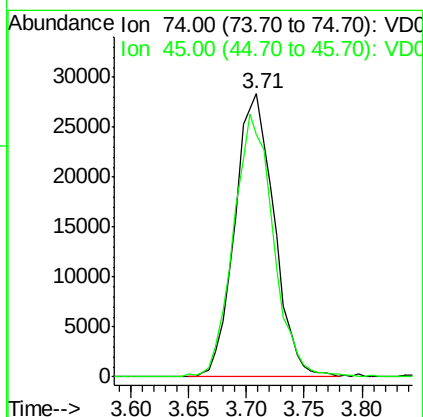
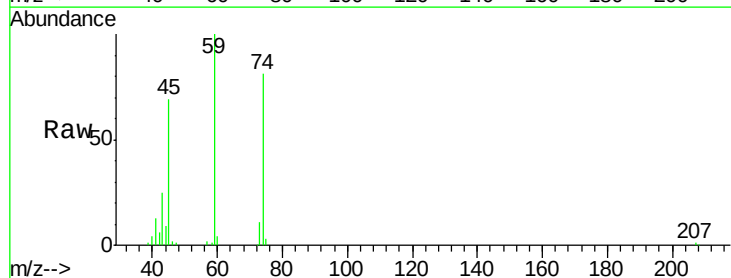
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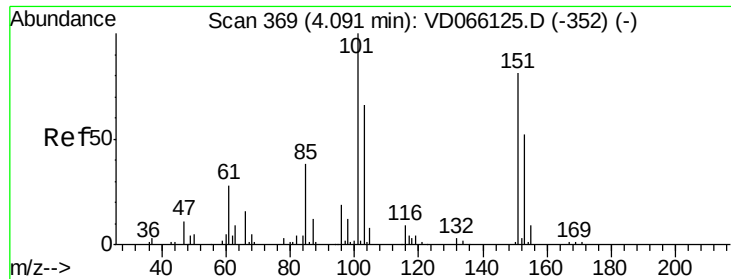


#8

Diethyl Ether
 Concen: 53.376 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.01 min
 Lab File: VD066226.D
 Acq: 13 Aug 2020 22:31

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	66899		
45	94.3	48.4	145.2	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.247 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD066226.D

Acq: 13 Aug 2020 22:31

Instrument :

MSVOA_D

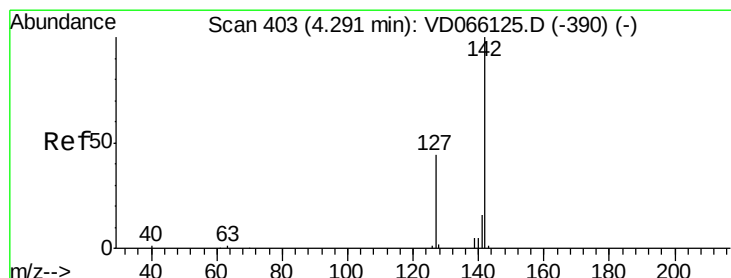
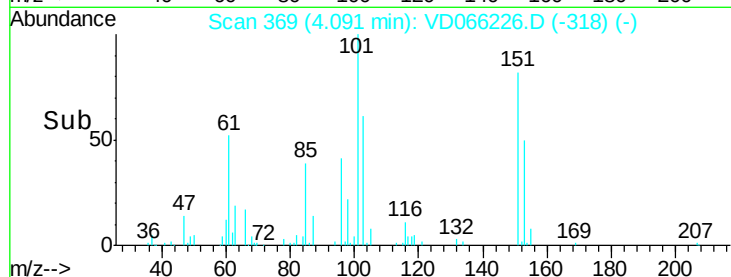
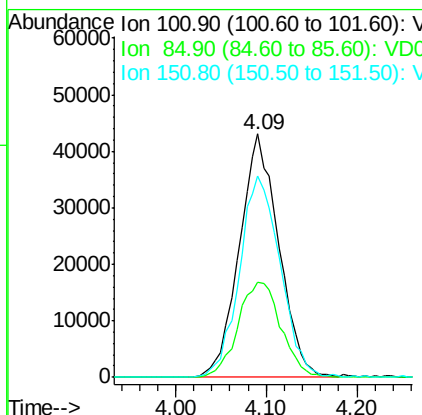
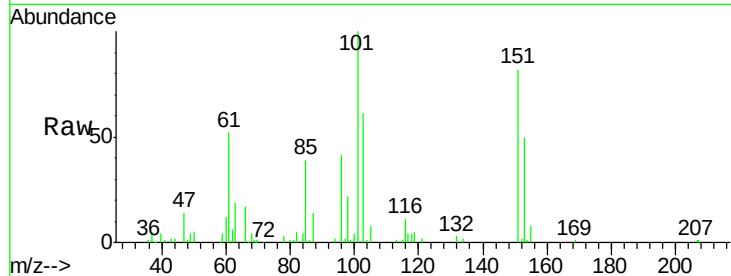
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	129823
Ion Ratio	Lower	Upper	
101	100		
85	42.6	33.5	50.3
151	85.5	67.8	101.8

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#10

Methyl Iodide

Concen: 55.532 ug/l

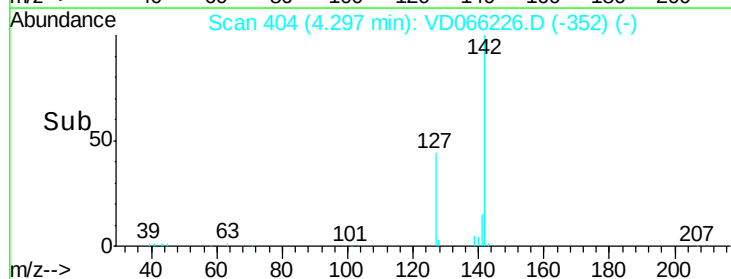
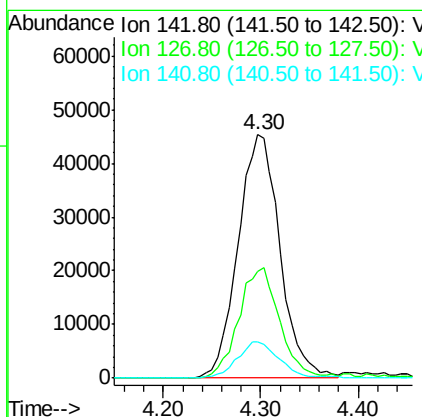
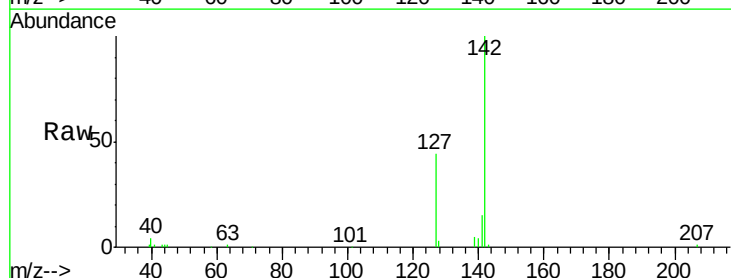
RT: 4.30 min Scan# 404

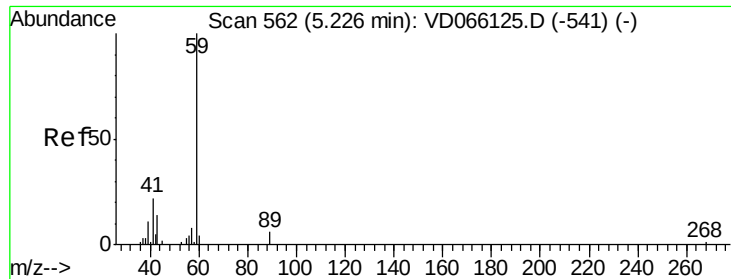
Delta R.T. 0.01 min

Lab File: VD066226.D

Acq: 13 Aug 2020 22:31

Tgt Ion:	142	Resp:	135337
Ion Ratio	Lower	Upper	
142	100		
127	44.1	36.2	54.4
141	14.7	12.6	18.8





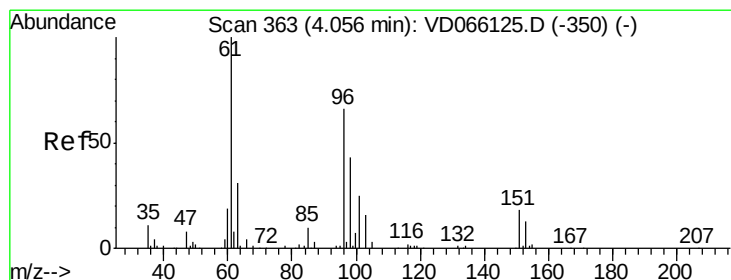
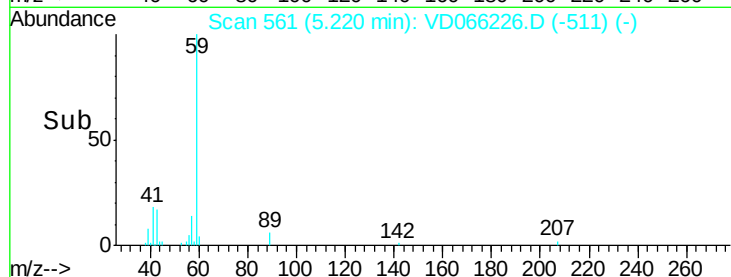
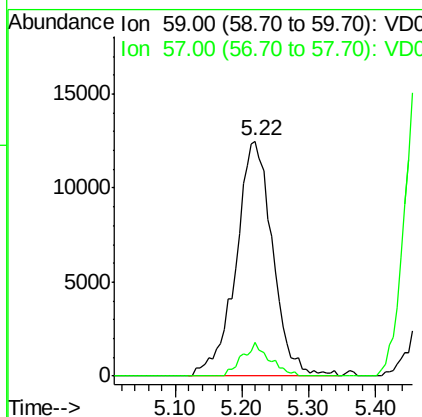
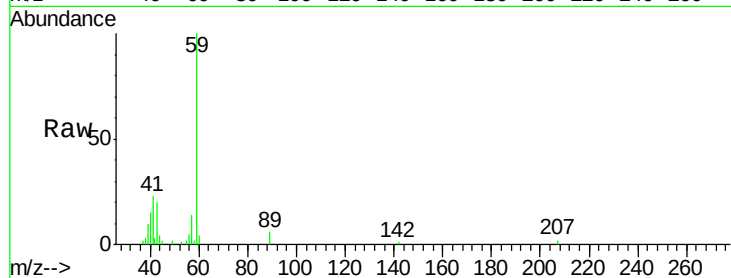
#11
Tert butyl alcohol
Concen: 253.353 ug/l
RT: 5.22 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD066226.D
Acq: 13 Aug 2020 22:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 47299
Ion Ratio Lower Upper
59 100
57 10.6 7.0 10.4#

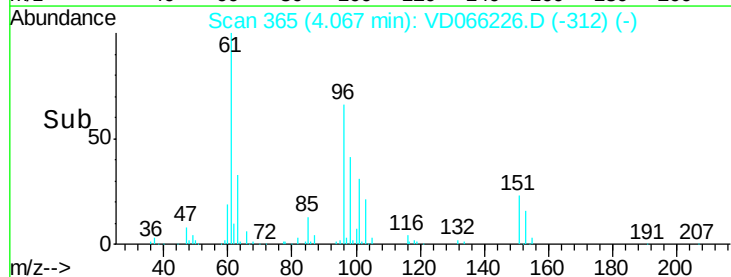
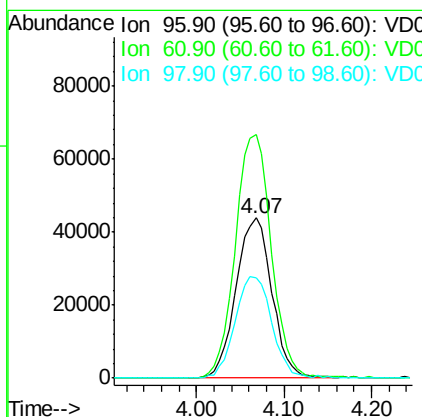
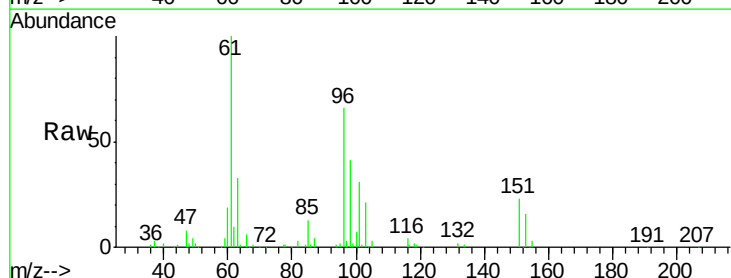
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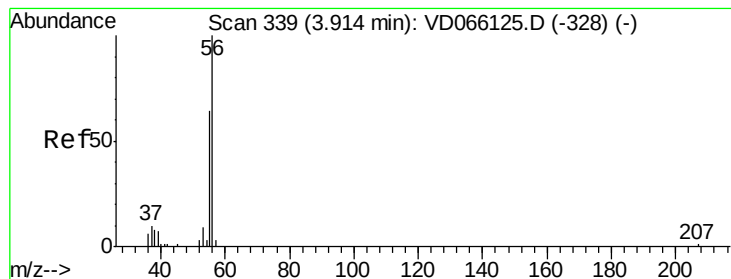
MMDadoda
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#12
1,1-Dichloroethene
Concen: 49.159 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.01 min
Lab File: VD066226.D
Acq: 13 Aug 2020 22:31

Tgt Ion: 96 Resp: 122250
Ion Ratio Lower Upper
96 100
61 152.1 121.6 182.4
98 62.6 52.0 78.0





#13

Acrolein

Concen: 188.566 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.01 min

Lab File: VD066226.D

Acq: 13 Aug 2020 22:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 37602

Ion Ratio Lower Upper

56 100

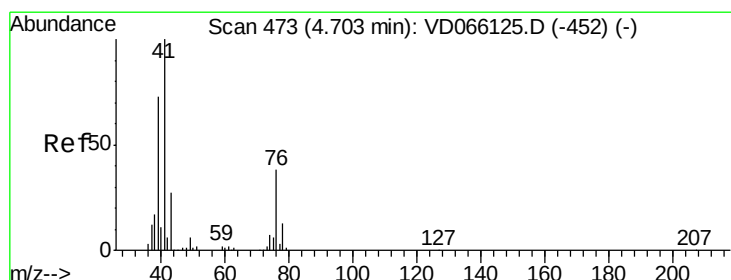
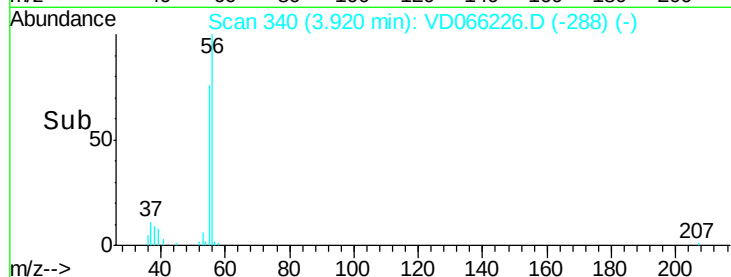
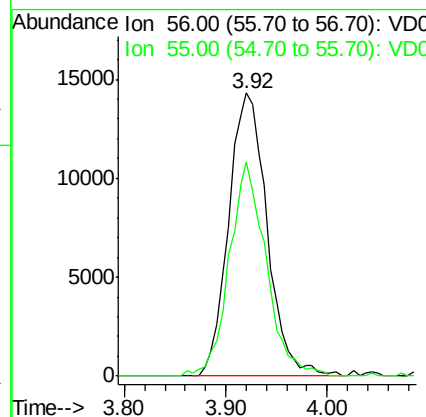
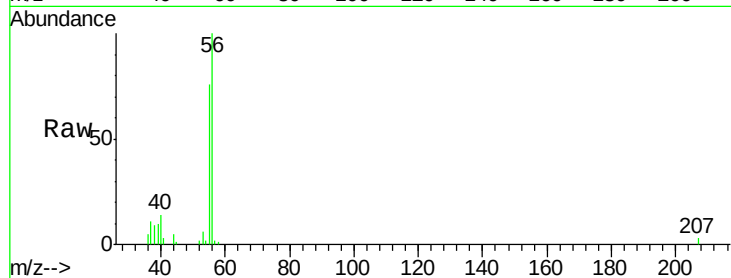
55 72.9 56.7 85.1

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#14

Allyl chloride

Concen: 50.871 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.01 min

Lab File: VD066226.D

Acq: 13 Aug 2020 22:31

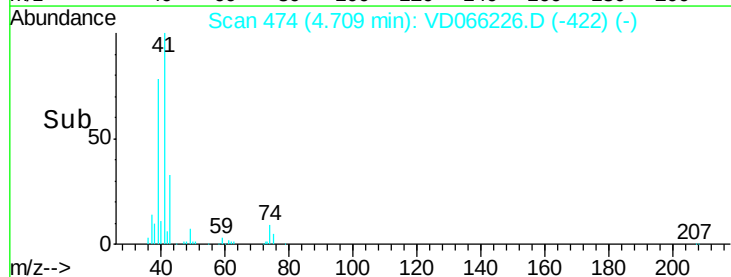
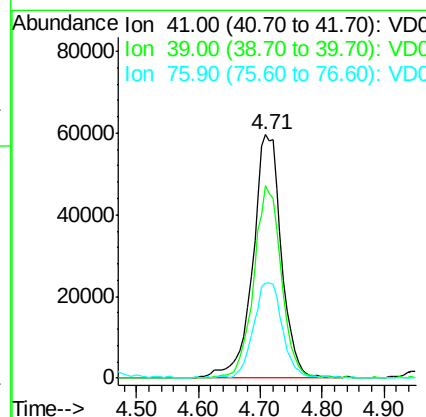
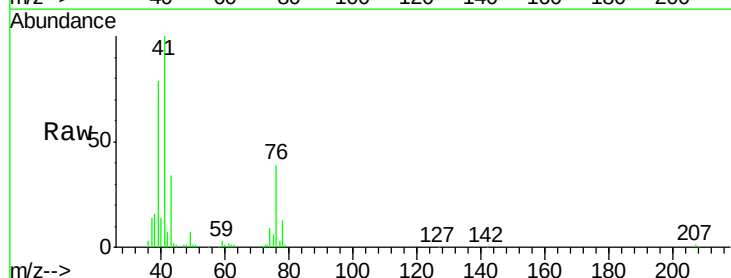
Tgt Ion: 41 Resp: 191656

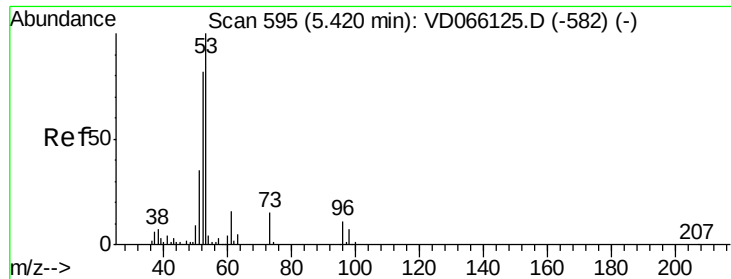
Ion Ratio Lower Upper

41 100

39 76.2 57.4 86.0

76 38.2 30.1 45.1





#15

Acrylonitrile

Concen: 281.887 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066226.D

Acq: 13 Aug 2020 22:31

Instrument :

MSVOA_D

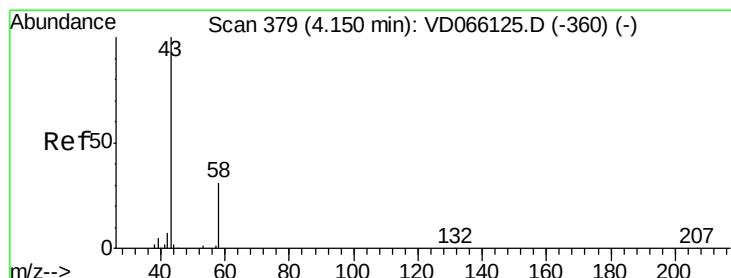
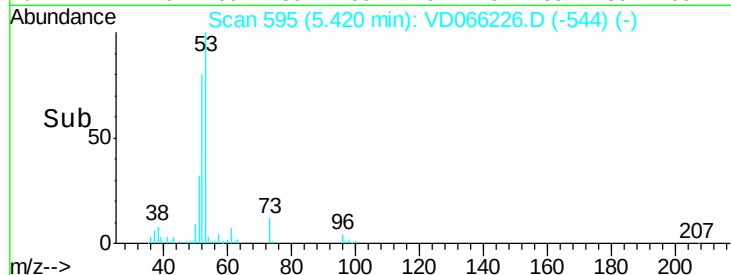
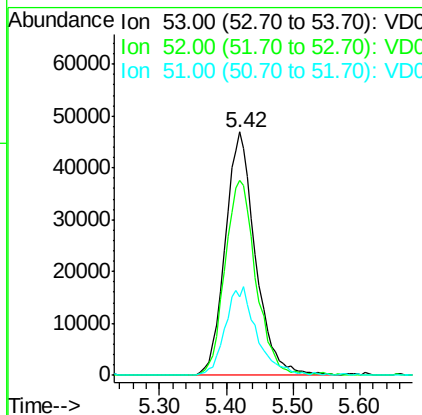
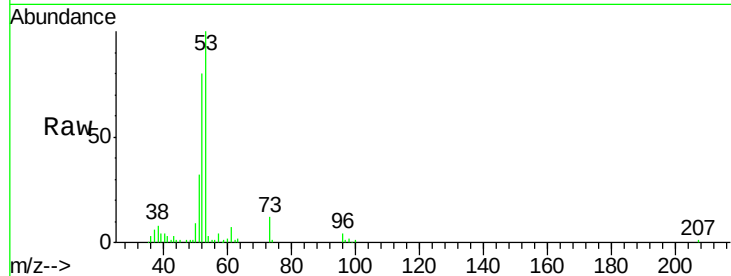
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	148881
Ion Ratio	Lower	Upper	
53	100		
52	81.7	66.1	99.1
51	37.6	30.8	46.2

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#16

Acetone

Concen: 244.695 ug/l

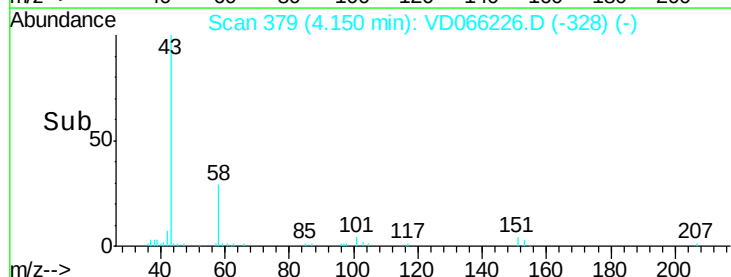
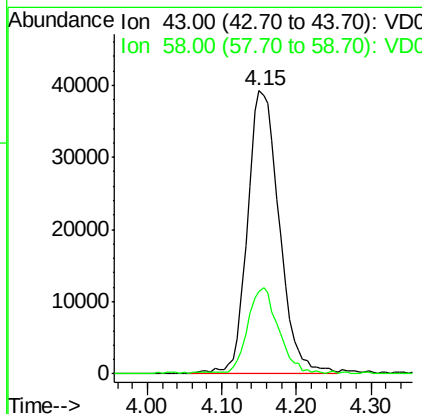
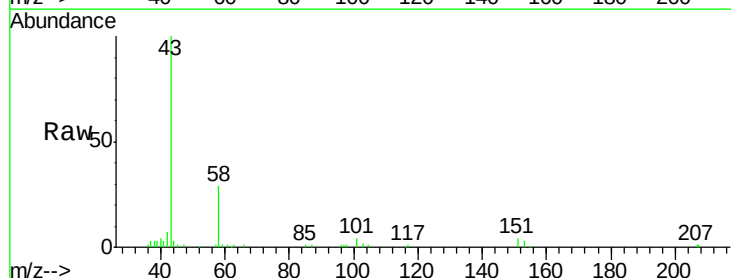
RT: 4.15 min Scan# 379

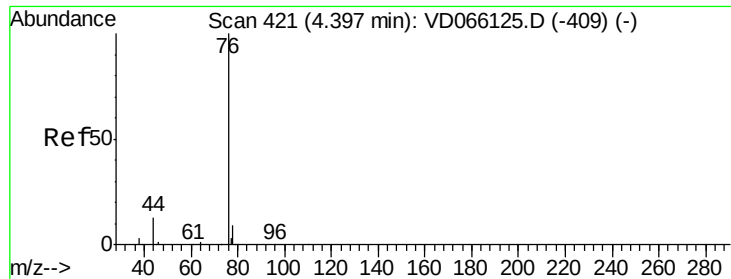
Delta R.T. 0.00 min

Lab File: VD066226.D

Acq: 13 Aug 2020 22:31

Tgt Ion:	43	Resp:	116315
Ion Ratio	Lower	Upper	
43	100		
58	29.3	24.7	37.1





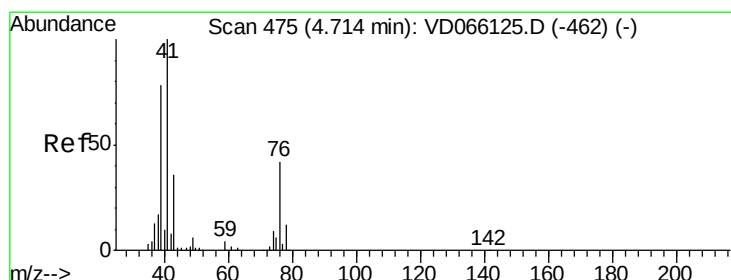
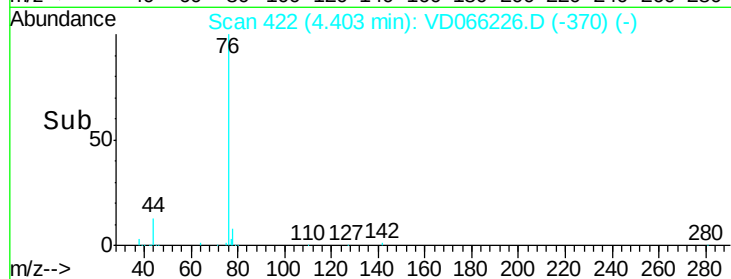
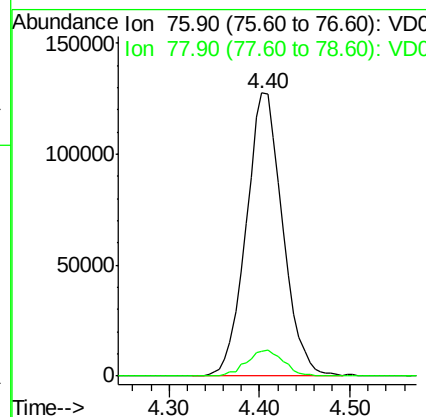
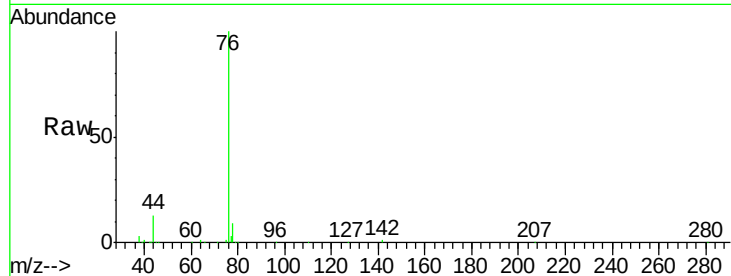
#17
Carbon Disulfide
Concen: 45.148 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD066226.D
Acq: 13 Aug 2020 22:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.5	11.3

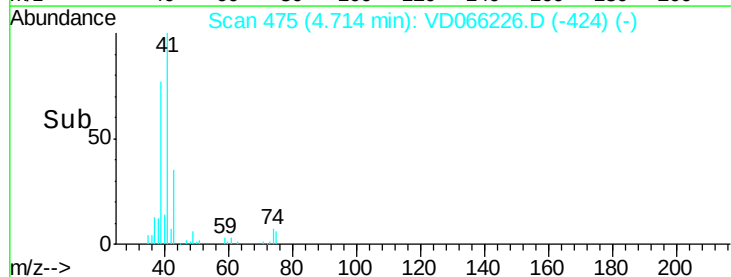
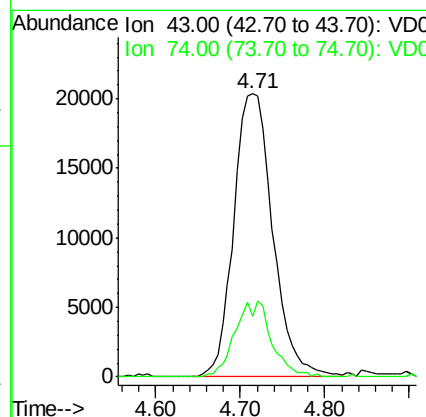
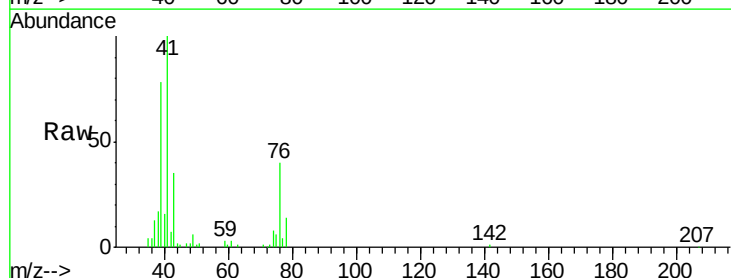
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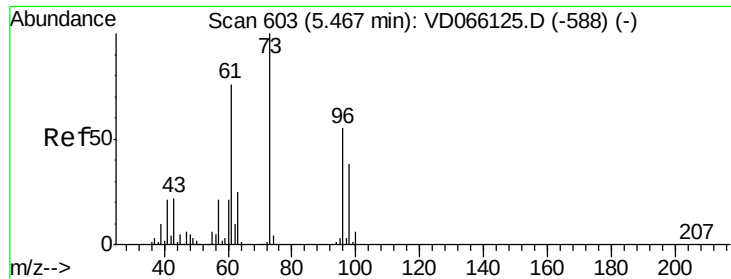
MMDadoda
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#18
Methyl Acetate
Concen: 53.998 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD066226.D
Acq: 13 Aug 2020 22:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.0	21.2	31.8





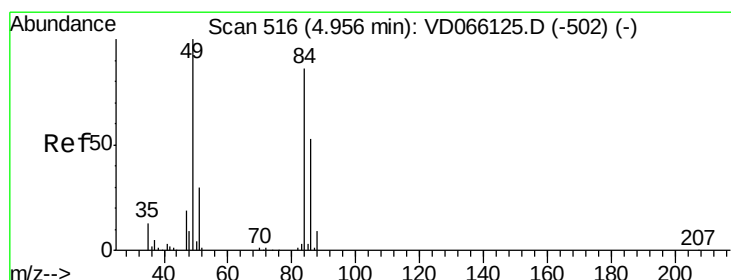
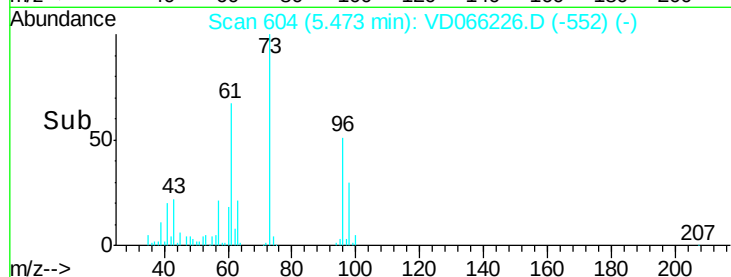
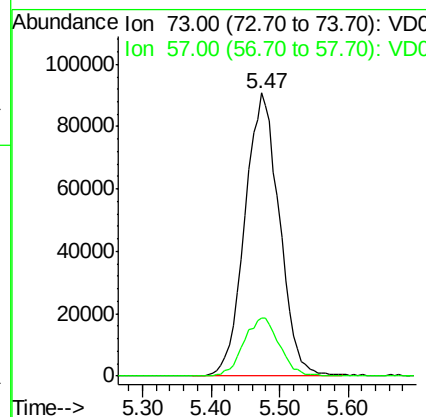
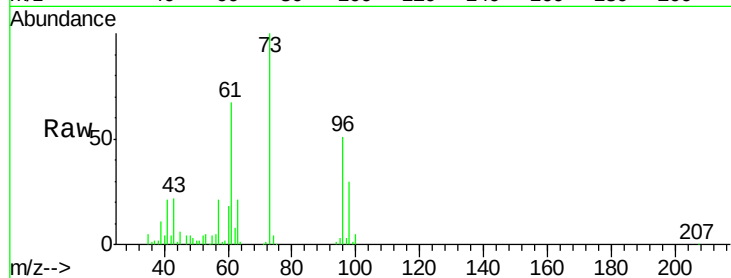
#19
Methyl tert-butyl Ether
Concen: 55.648 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.01 min
Lab File: VD066226.D
Acq: 13 Aug 2020 22:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 317195
Ion Ratio Lower Upper
73 100
57 20.7 17.1 25.7

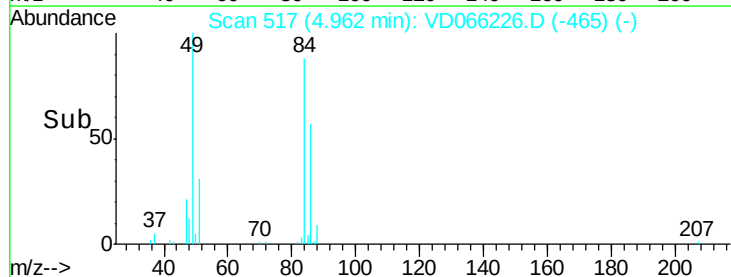
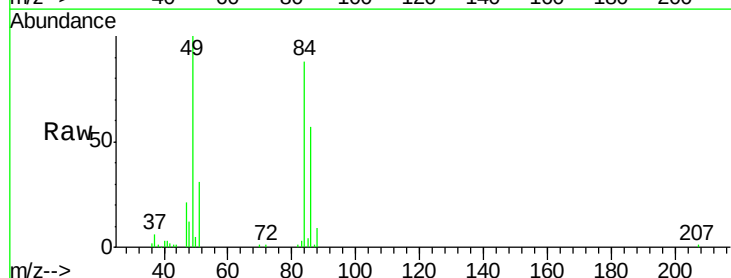
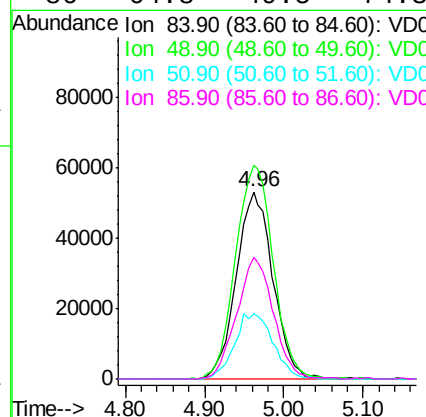
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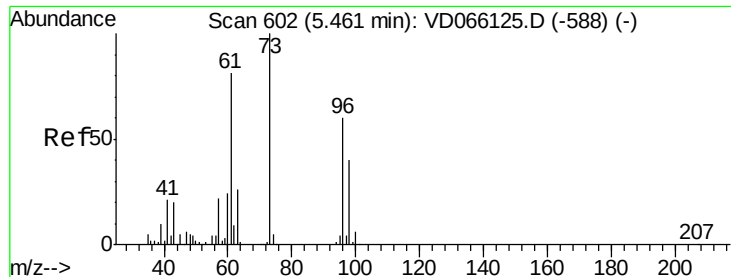
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#20
Methylene Chloride
Concen: 63.667 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.01 min
Lab File: VD066226.D
Acq: 13 Aug 2020 22:31

Tgt Ion: 84 Resp: 170322
Ion Ratio Lower Upper
84 100
49 113.7 93.5 140.3
51 35.0 28.2 42.4
86 64.8 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 50.857 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.01 min

Lab File: VD066226.D

Acq: 13 Aug 2020 22:31

Instrument :

MSVOA_D

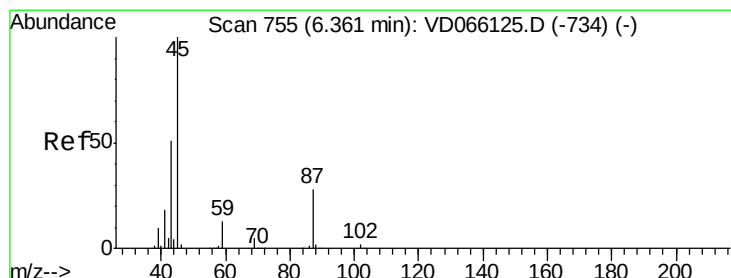
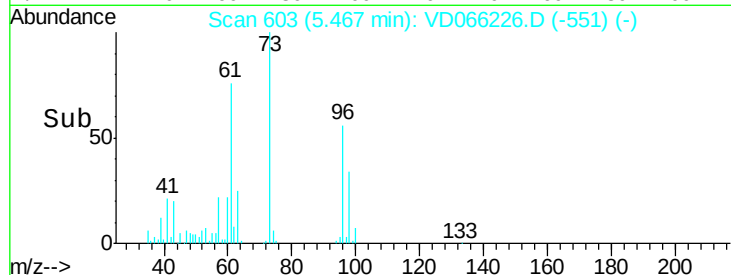
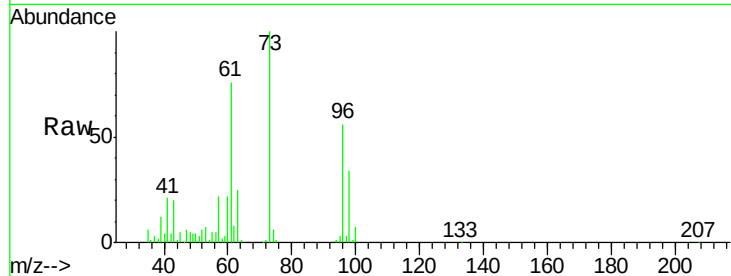
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	145290
Ion	Ratio	Lower	Upper
96	100		
61	134.1	106.9	160.3
98	60.6	53.4	80.0

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#22

Diisopropyl ether

Concen: 54.041 ug/l

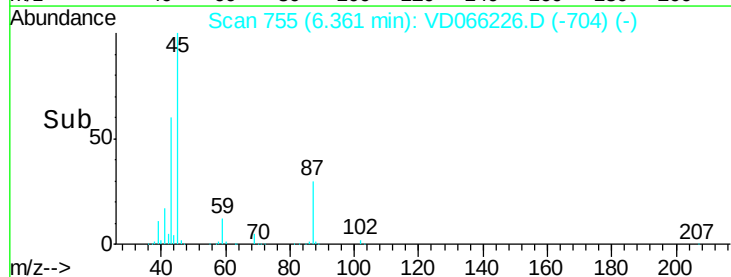
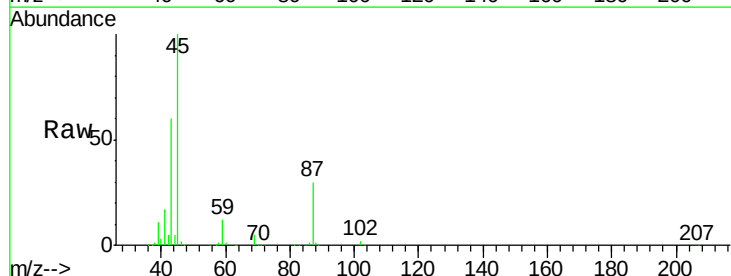
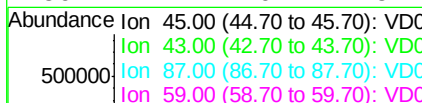
RT: 6.36 min Scan# 755

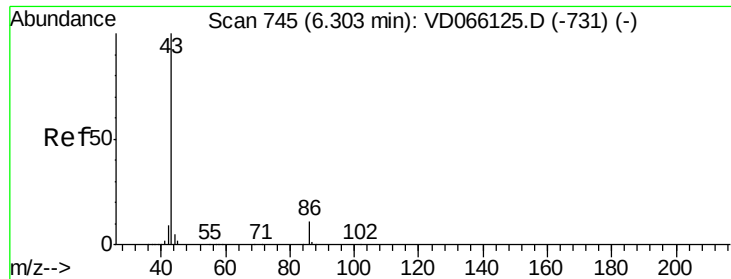
Delta R.T. 0.00 min

Lab File: VD066226.D

Acq: 13 Aug 2020 22:31

Tgt Ion:	45	Resp:	402621
Ion	Ratio	Lower	Upper
45	100		
43	59.3	41.2	61.8
87	30.0	22.8	34.2
59	12.1	10.2	15.2





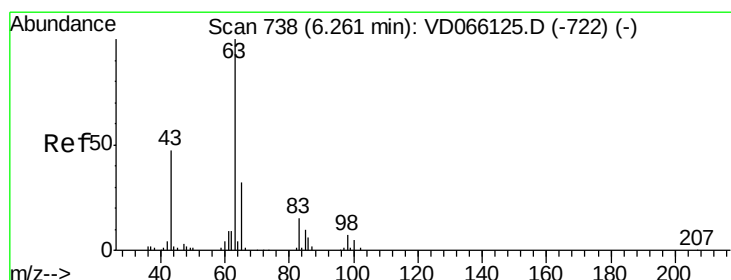
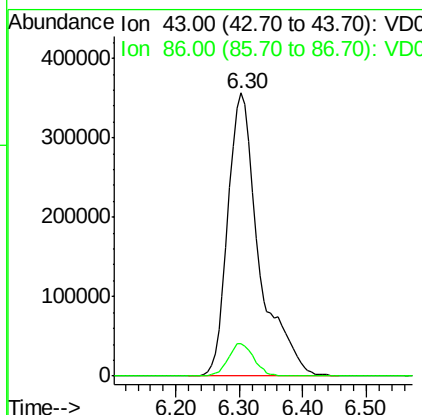
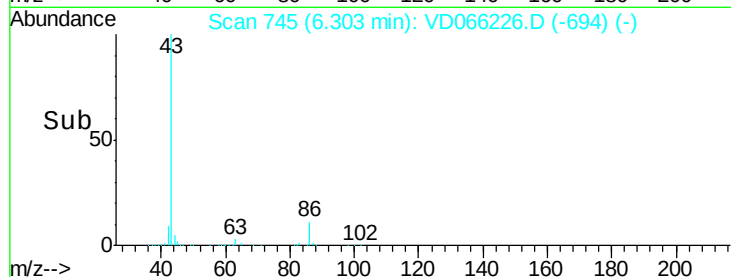
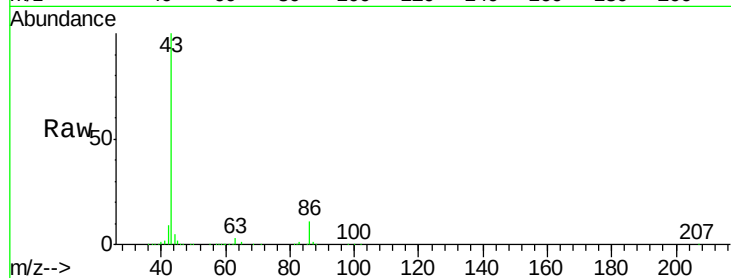
#23
Vinyl Acetate
Concen: 277.492 ug/l
RT: 6.30 min Scan# 745
Delta R.T. 0.00 min
Lab File: VD066226.D
Acq: 13 Aug 2020 22:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1211169
Ion Ratio Lower Upper
43 100
86 11.4 9.1 13.7

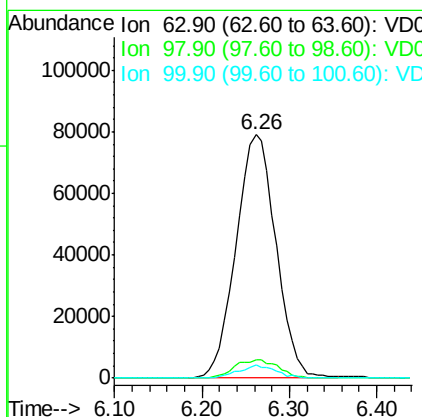
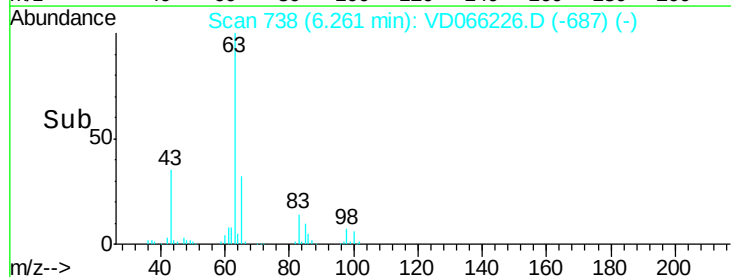
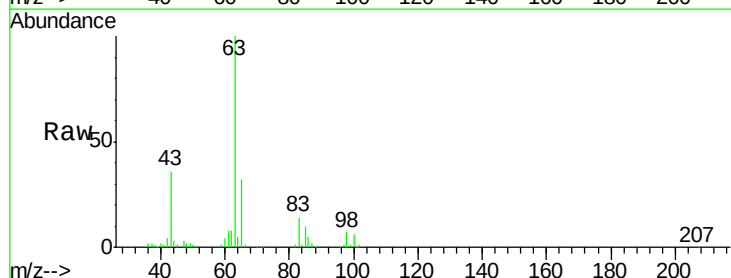
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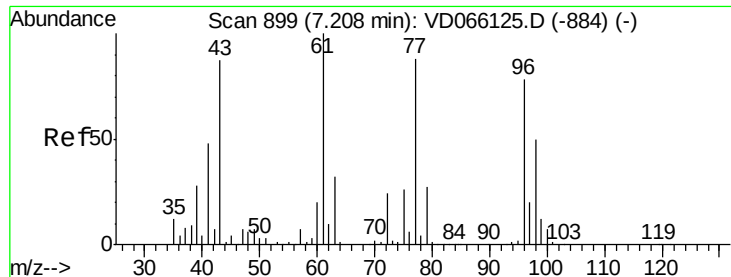
MMDadoda
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#24
1,1-Dichloroethane
Concen: 53.234 ug/l
RT: 6.26 min Scan# 738
Delta R.T. 0.00 min
Lab File: VD066226.D
Acq: 13 Aug 2020 22:31

Tgt Ion: 63 Resp: 245449
Ion Ratio Lower Upper
63 100
98 7.4 3.5 10.5
100 5.5 2.4 7.2





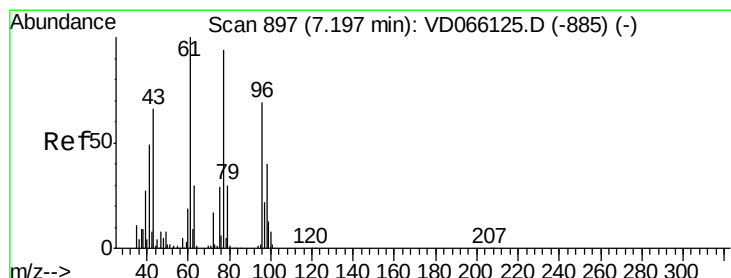
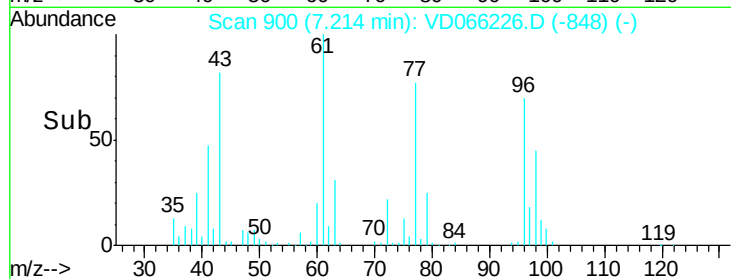
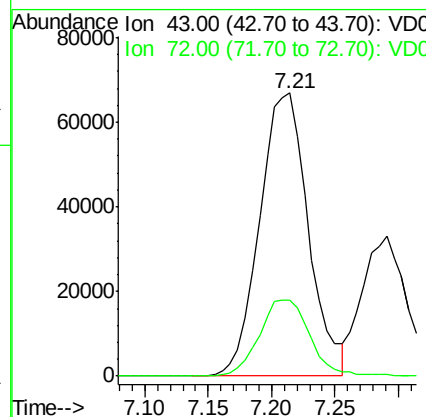
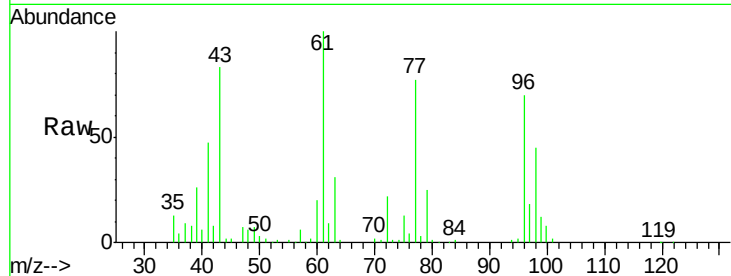
#25
2-Butanone
Concen: 256.334 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD066226.D
Acq: 13 Aug 2020 22:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 179215
Ion Ratio Lower Upper
43 100
72 27.0 22.2 33.2

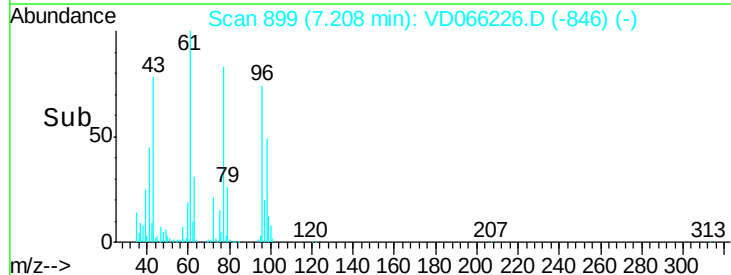
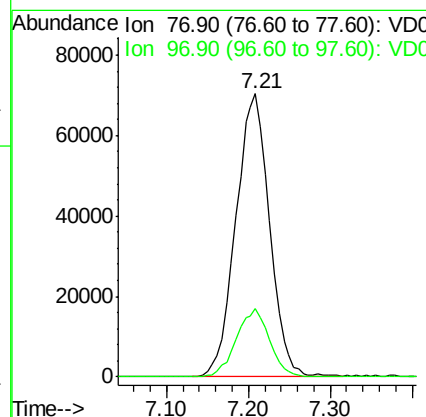
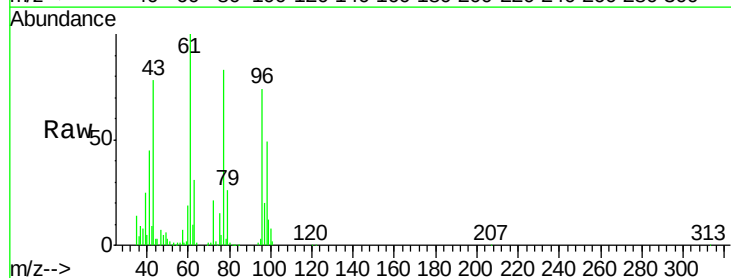
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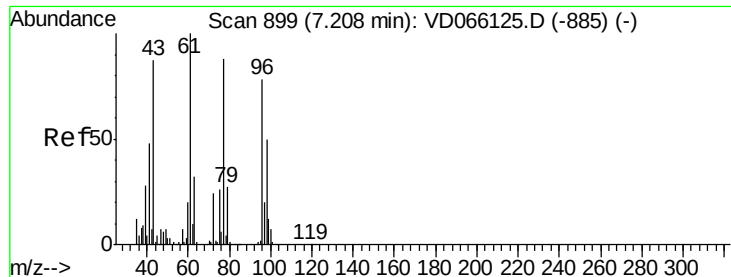
MMDadoda
8/14/2020 5:11:59 PM



#26
2,2-Dichloropropane
Concen: 48.907 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.01 min
Lab File: VD066226.D
Acq: 13 Aug 2020 22:31

Tgt Ion: 77 Resp: 202107
Ion Ratio Lower Upper
77 100
97 23.6 11.8 35.3





#27

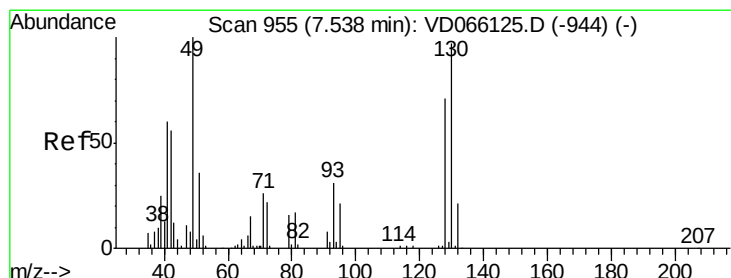
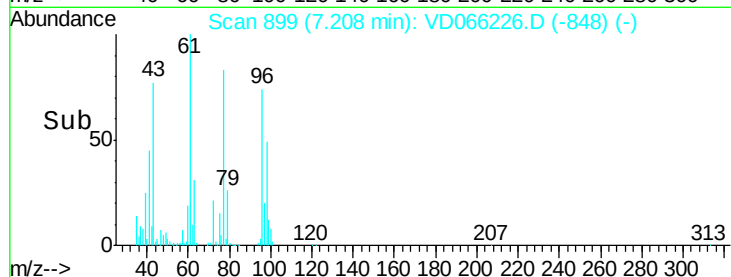
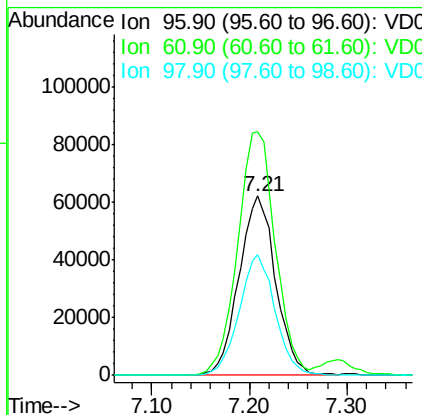
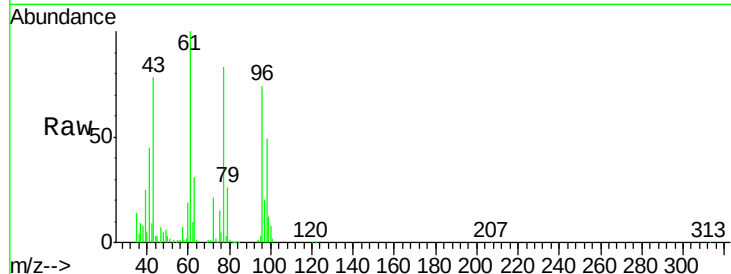
cis-1,2-Dichloroethene
Concen: 54.782 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066226.D
Acq: 13 Aug 2020 22:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.4	0.0	281.6
98	65.7	0.0	130.8

Manual Integrations
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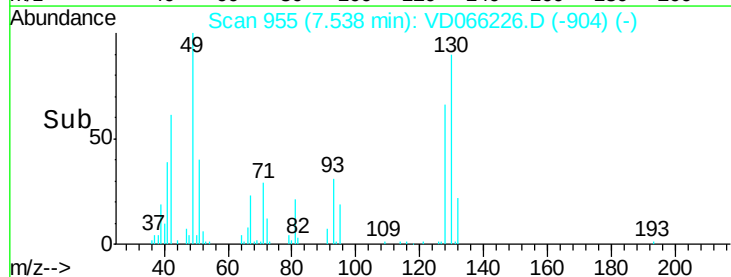
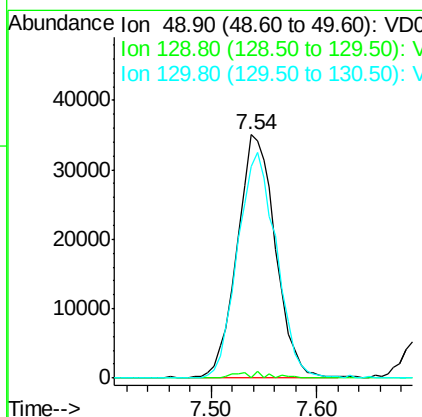
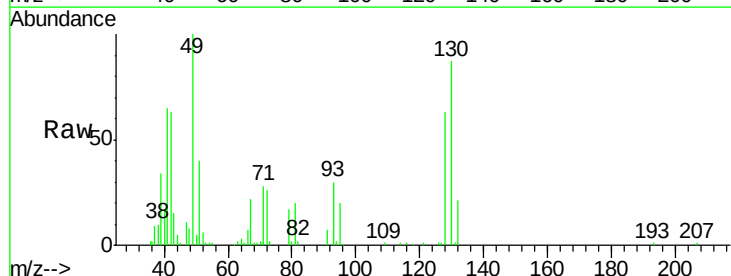
MMDadoda
8/14/2020 5:11:59 PM

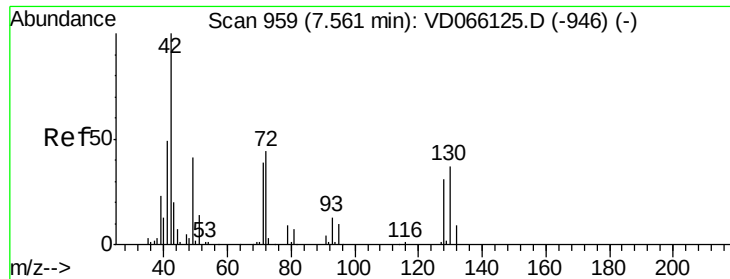


#28

Bromochloromethane
Concen: 54.478 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.00 min
Lab File: VD066226.D
Acq: 13 Aug 2020 22:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	6.0
130	93.8	73.8	110.6





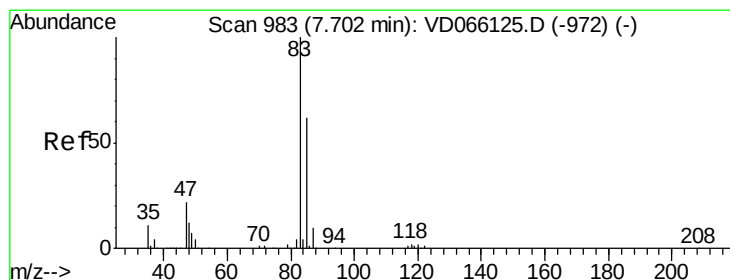
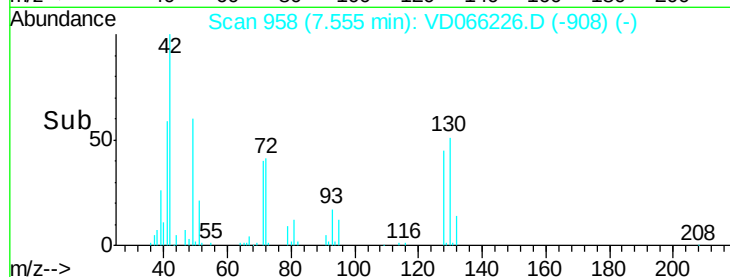
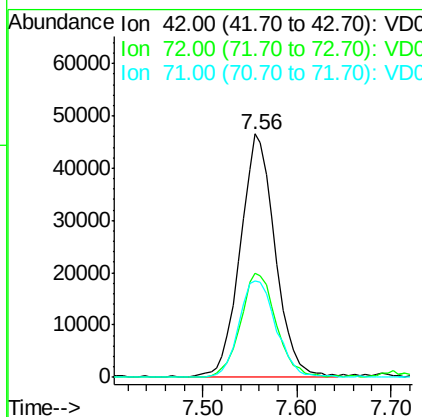
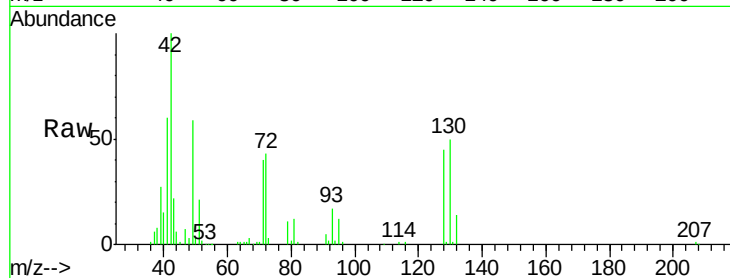
#29
Tetrahydrofuran
Concen: 276.716 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066226.D
Acq: 13 Aug 2020 22:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.5	34.8	52.2
71	42.0	33.5	50.3

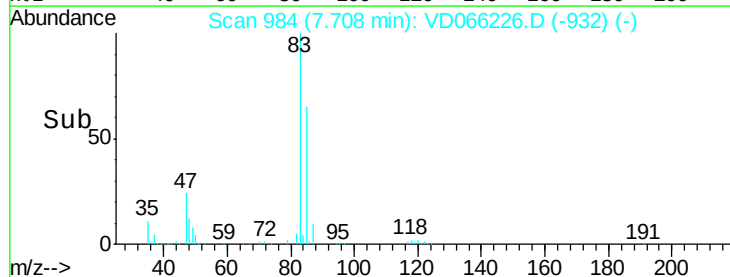
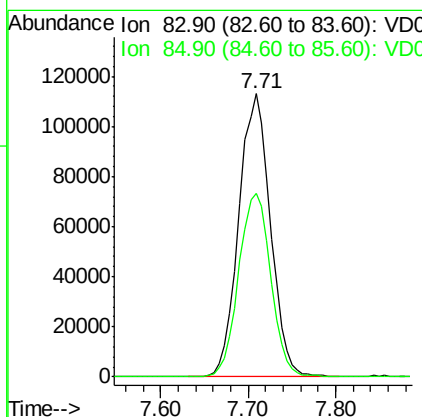
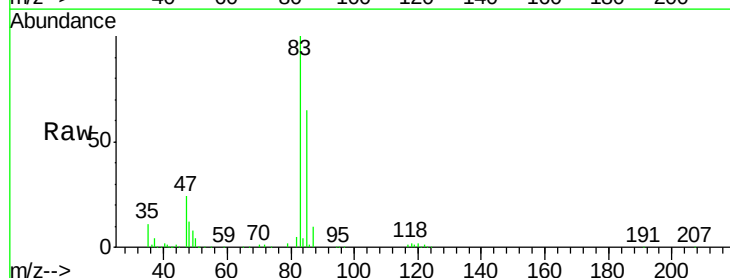
Manual Integrations
APPROVED

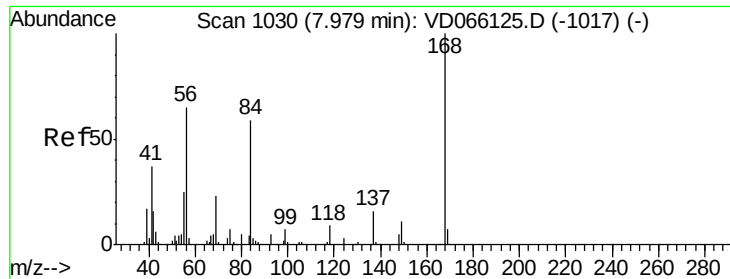
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8/14/2020 5:11:59 PM



#30
Chloroform
Concen: 57.197 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.01 min
Lab File: VD066226.D
Acq: 13 Aug 2020 22:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	49.5	74.3





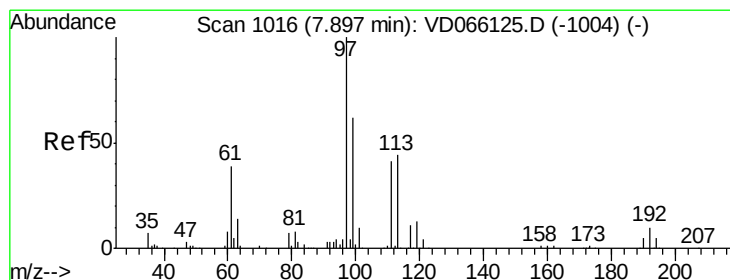
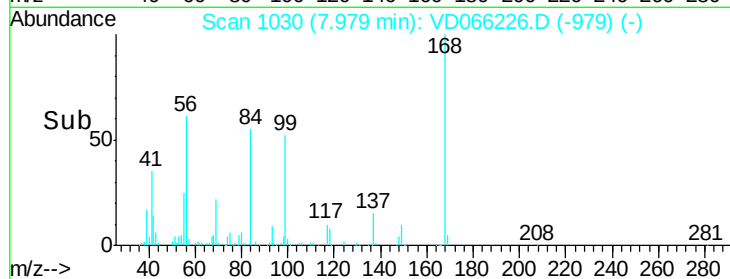
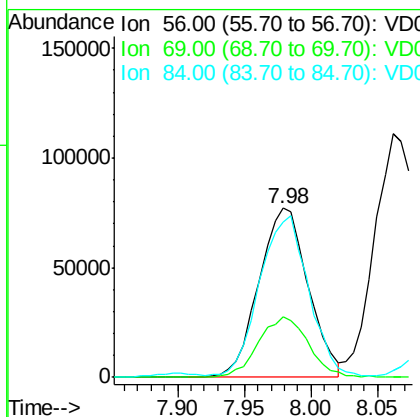
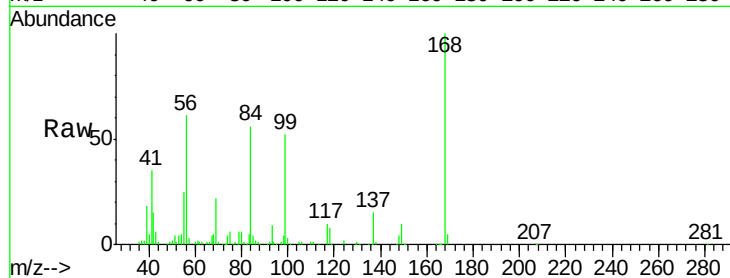
#31
Cyclohexane
Concen: 45.039 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066226.D
Acq: 13 Aug 2020 22:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.5	28.8	43.2
84	89.8	73.0	109.6

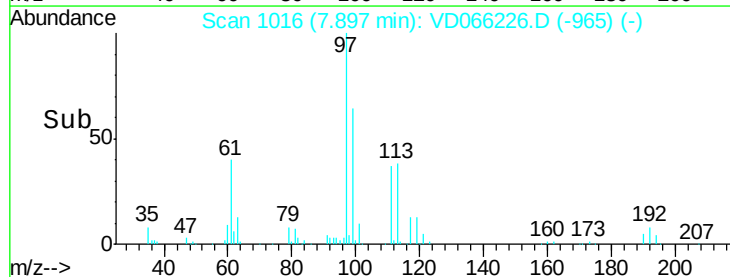
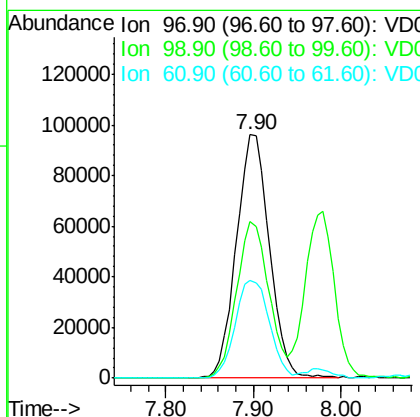
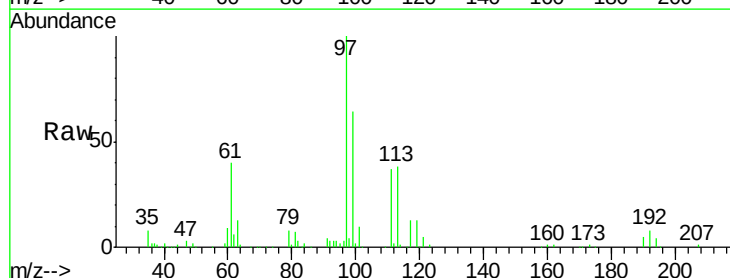
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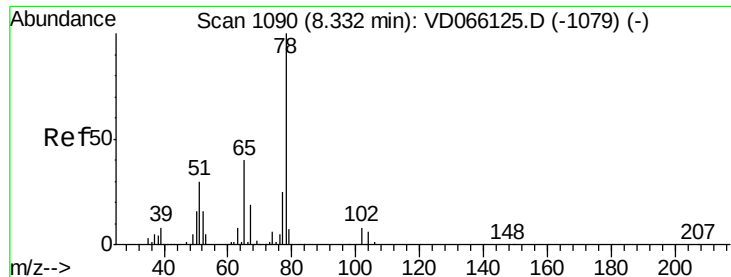
MMDadoda
8/14/2020 5:11:59 PM



#32
1,1,1-Trichloroethane
Concen: 54.303 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VD066226.D
Acq: 13 Aug 2020 22:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.1	76.7
61	41.6	32.7	49.1





#33

1,2-Dichloroethane-d4

Concen: 55.544 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066226.D

Acq: 13 Aug 2020 22:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 139149

Ion Ratio Lower Upper

65 100

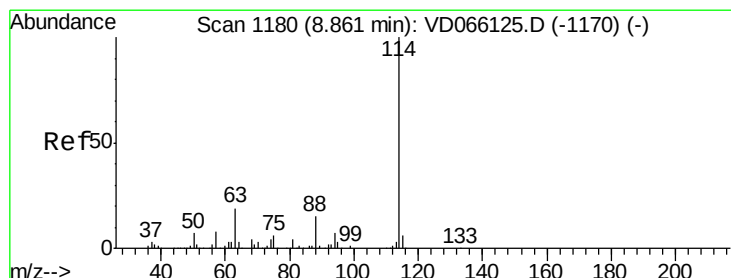
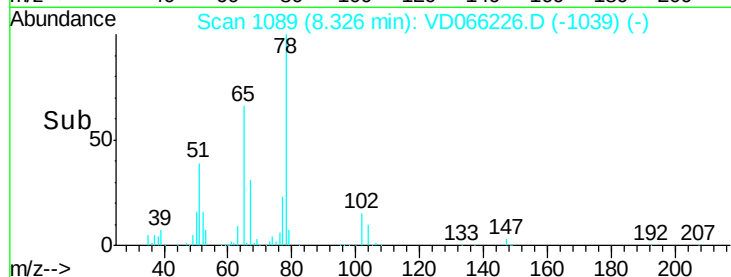
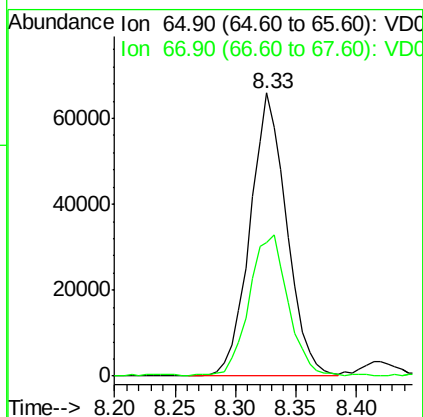
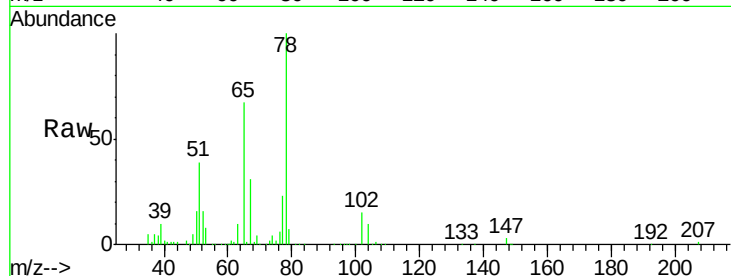
67 53.3 0.0 104.6

Manual Integrations

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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: VD066226.D

Acq: 13 Aug 2020 22:31

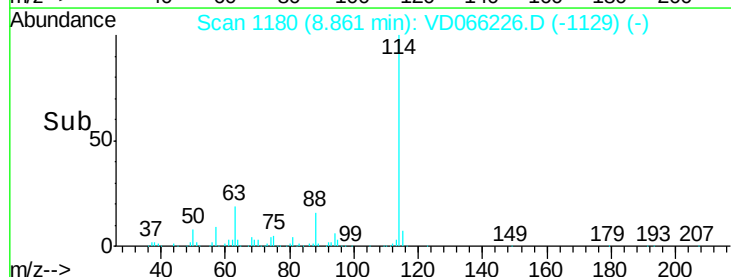
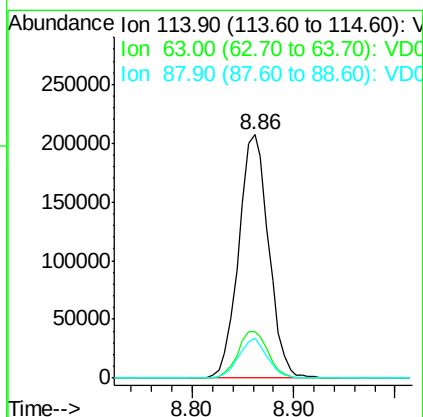
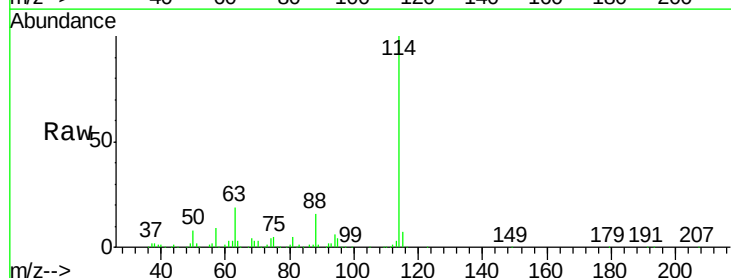
Tgt Ion: 114 Resp: 424049

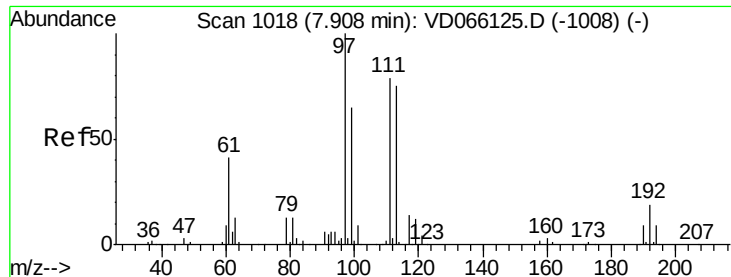
Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.6

88 16.5 0.0 30.0





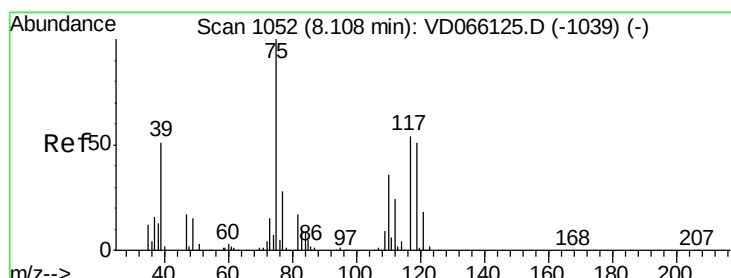
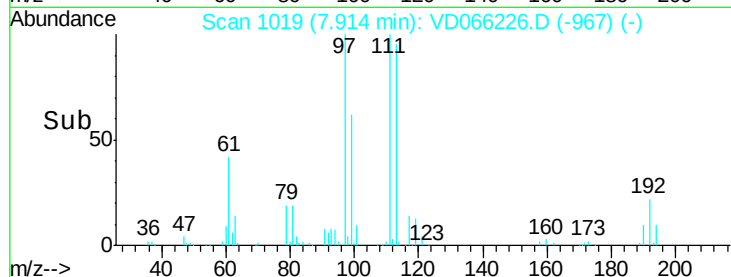
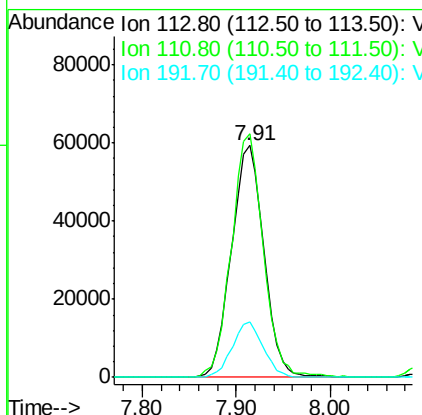
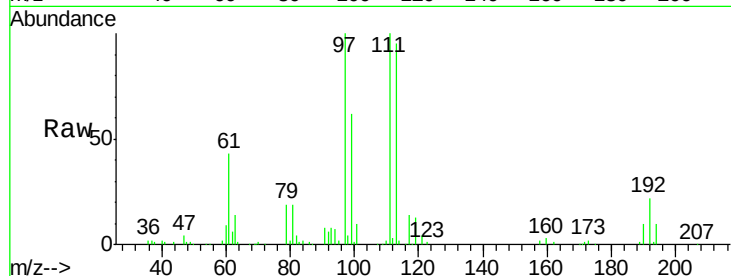
#35
 Dibromofluoromethane
 Concen: 52.871 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066226.D
 Acq: 13 Aug 2020 22:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	142028		
111	103.3	80.7	121.1	
192	22.9	18.4	27.6	

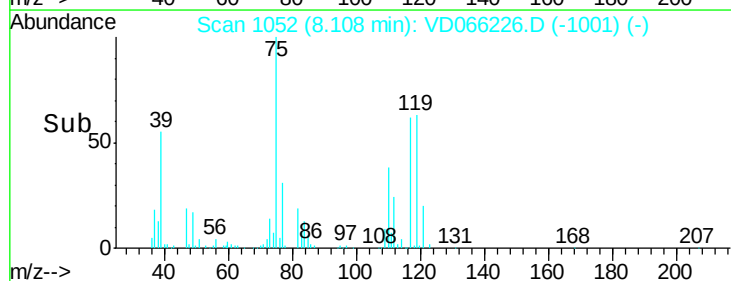
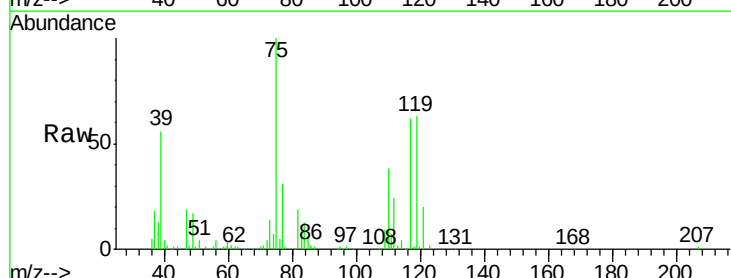
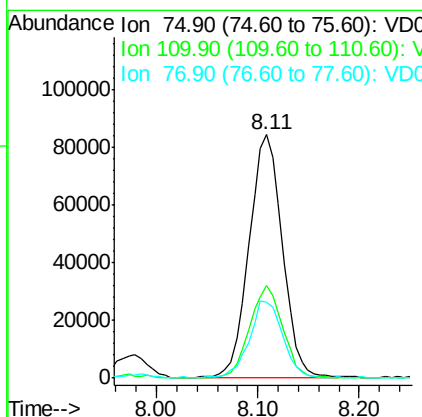
Manual Integrations
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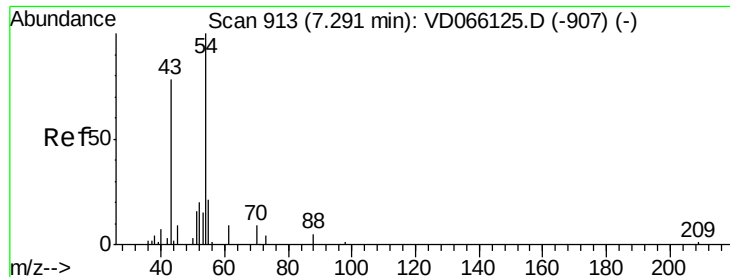
MMDadoda
 8/14/2020 5:11:59 PM



#36
 1,1-Dichloropropene
 Concen: 48.159 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066226.D
 Acq: 13 Aug 2020 22:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	191903		
110	38.1	18.8	56.3	
77	32.4	24.2	36.2	





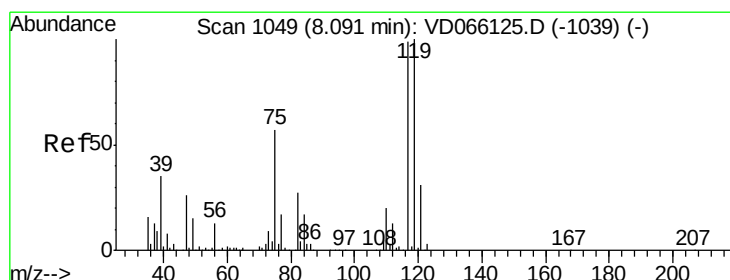
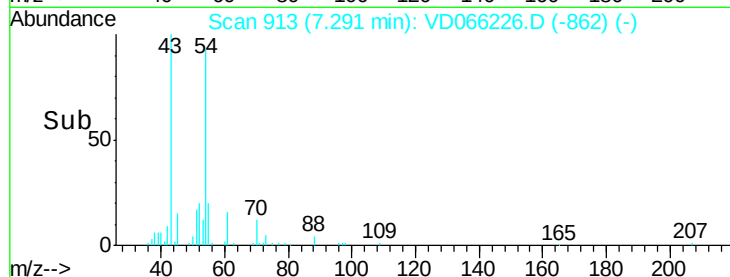
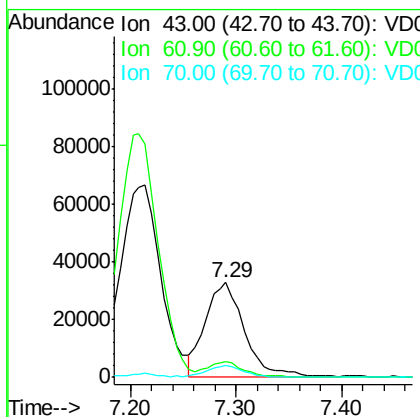
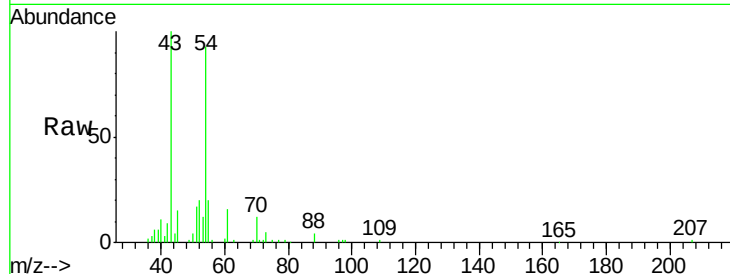
#37
Ethyl Acetate
Concen: 53.280 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD066226.D
Acq: 13 Aug 2020 22:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	84120
Ion Ratio	100	Lower	Upper
43	100		
61	15.6	12.0	18.0
70	12.3	9.7	14.5

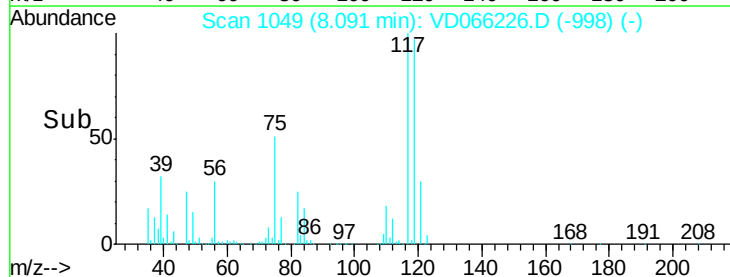
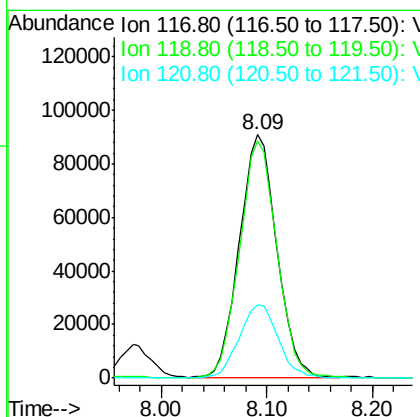
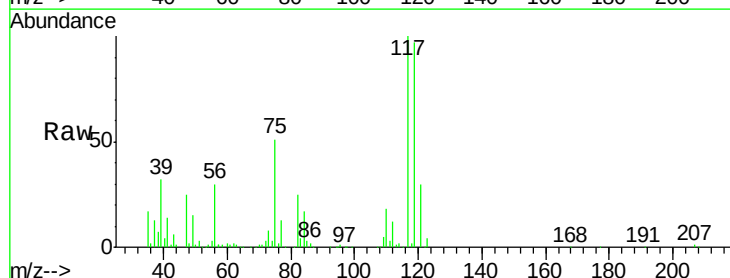
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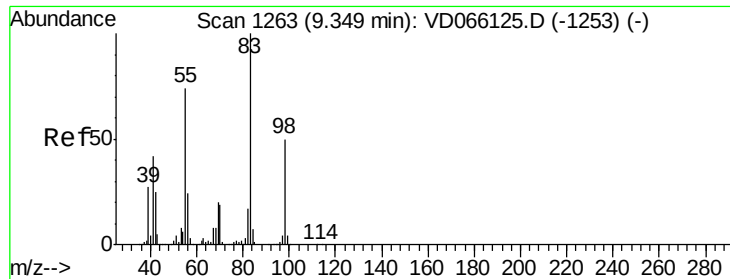
MMDadoda
8/14/2020 5:11:59 PM



#38
Carbon Tetrachloride
Concen: 50.154 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066226.D
Acq: 13 Aug 2020 22:31

Tgt Ion	117	Resp	222868
Ion Ratio	100	Lower	Upper
117	100		
119	97.6	81.0	121.4
121	30.2	24.8	37.2





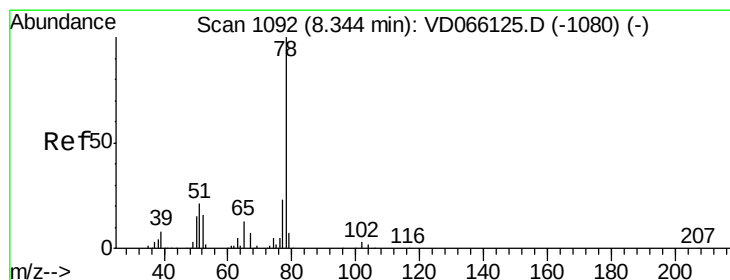
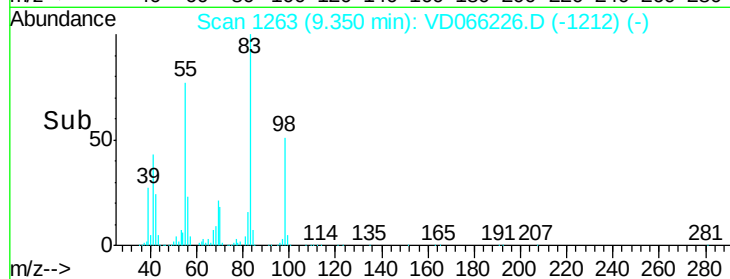
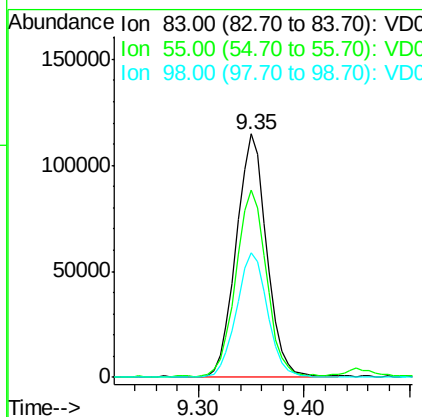
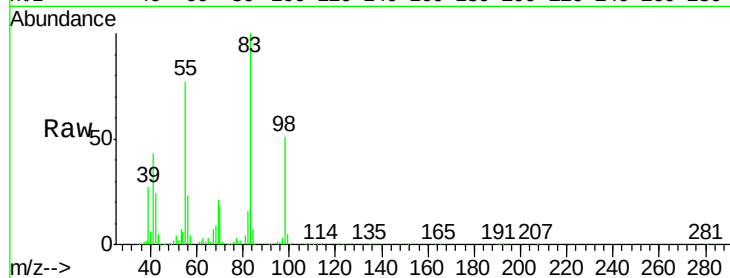
#39
Methylvlcyclohexane
Concen: 47.565 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066226.D
Acq: 13 Aug 2020 22:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.5	59.2	88.8
98	51.5	39.8	59.6

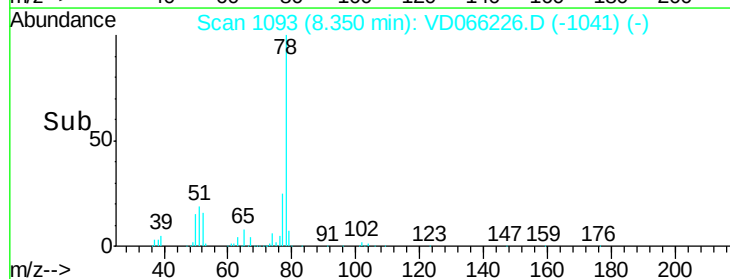
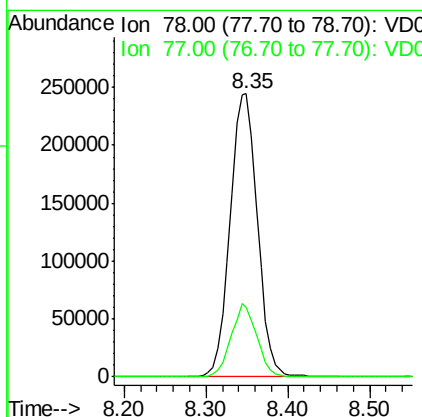
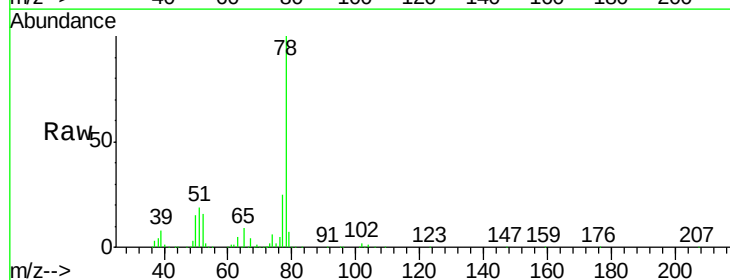
Manual Integrations
APPROVED

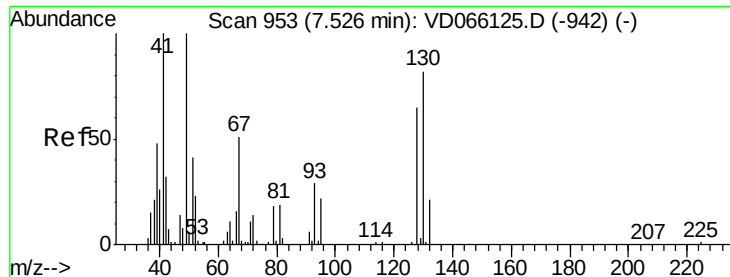
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8/14/2020 5:11:59 PM



#40
Benzene
Concen: 51.392 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VD066226.D
Acq: 13 Aug 2020 22:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.6	27.8





#41

Methacrylonitrile

Concen: 44.232 ug/l m

RT: 7.52 min Scan# 952

Delta R.T. -0.01 min

Lab File: VD066226.D

Acq: 13 Aug 2020 22:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 41061

Ion Ratio Lower Upper

41 100

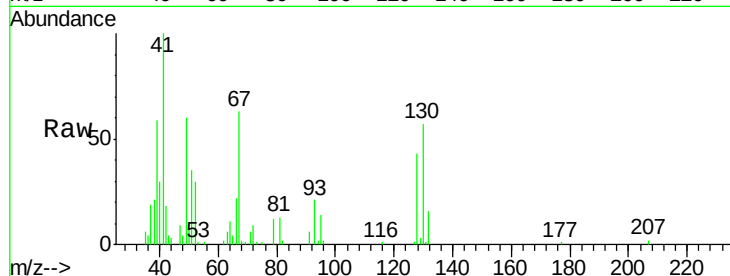
39 0.0 47.5 71.3#

67 0.0 59.1 88.7#

52 0.0 25.4 38.0#

Manual Integrations
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MMDadoda
8/14/2020 5:11:59 PM

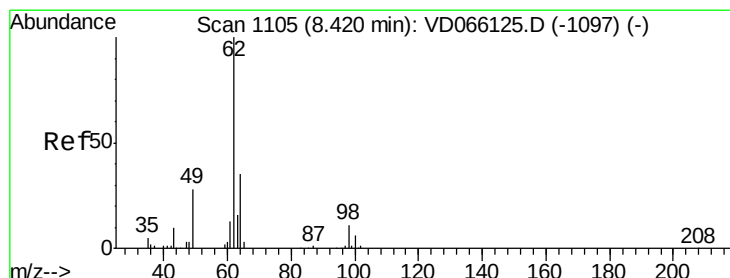
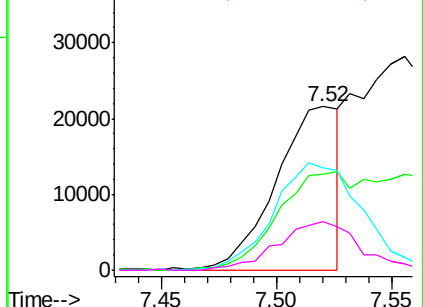
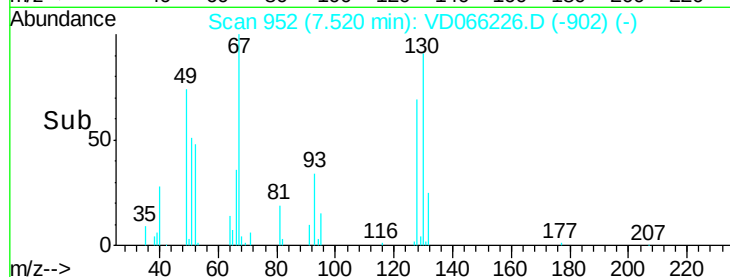


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 54.492 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VD066226.D

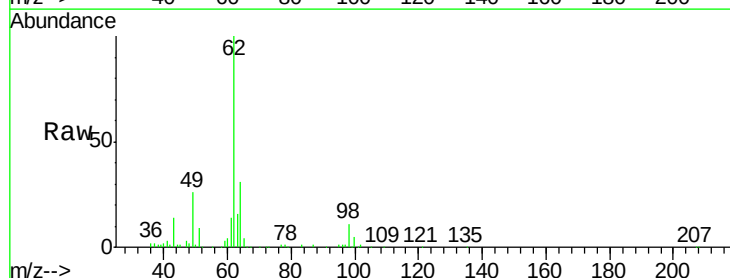
Acq: 13 Aug 2020 22:31

Tgt Ion: 62 Resp: 176955

Ion Ratio Lower Upper

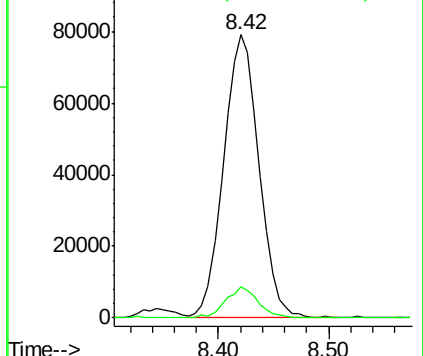
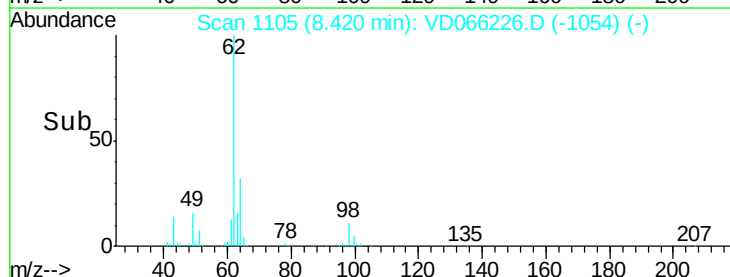
62 100

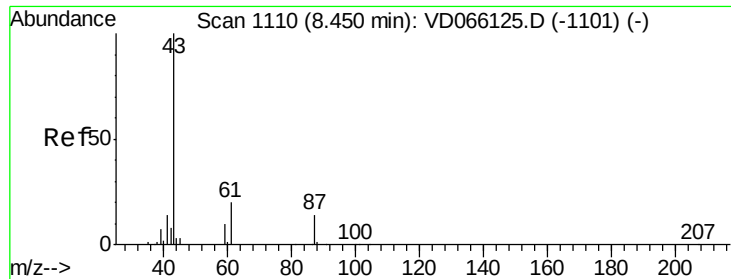
98 10.1 0.0 20.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





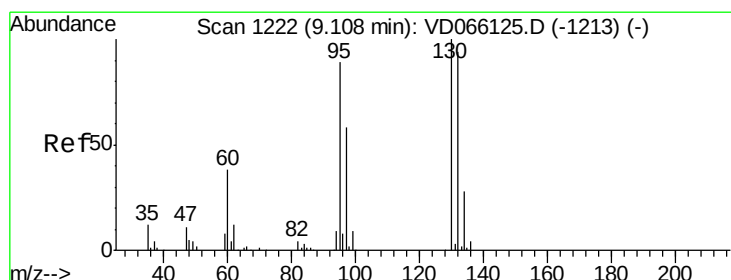
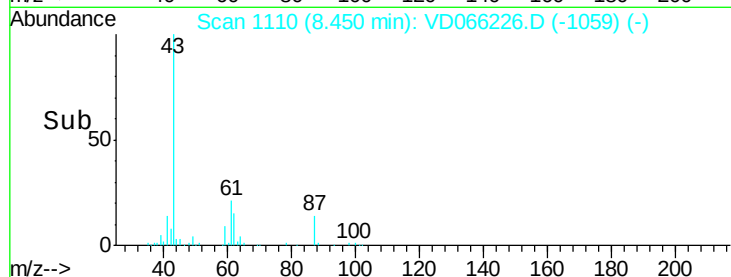
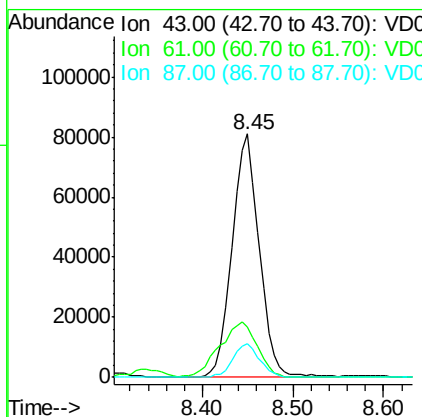
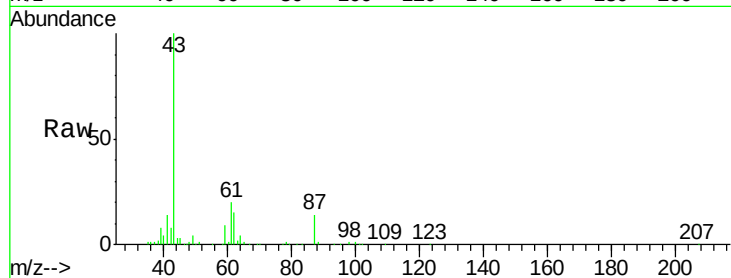
#43
Isopropyl Acetate
Concen: 53.908 ug/l
RT: 8.45 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VD066226.D
Acq: 13 Aug 2020 22:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.7	25.5	38.3
87	13.8	11.2	16.8

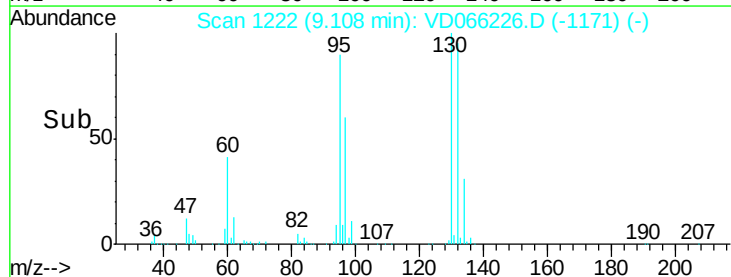
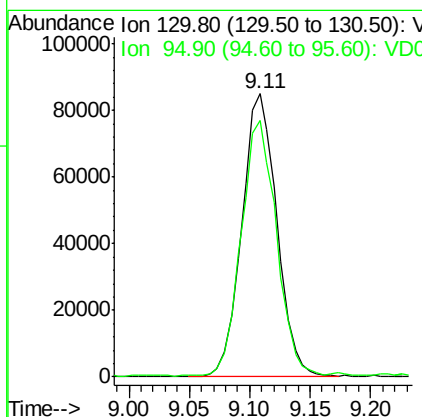
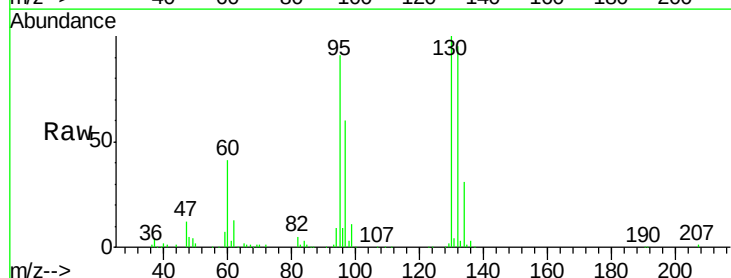
Manual Integrations
APPROVED

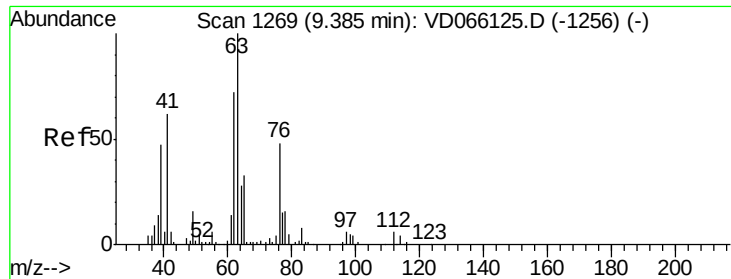
MMDadoda
8/14/2020 5:11:59 PM



#44
Trichloroethene
Concen: 51.531 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VD066226.D
Acq: 13 Aug 2020 22:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.8	0.0	178.4





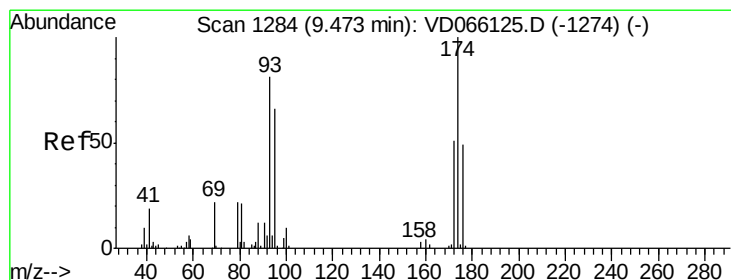
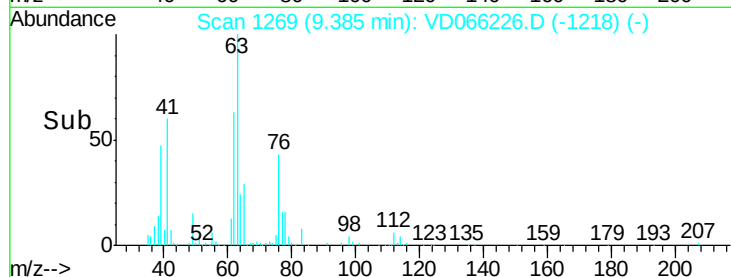
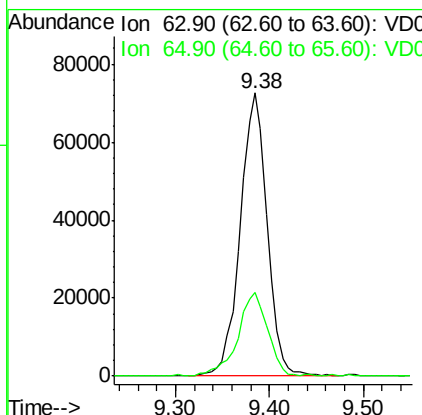
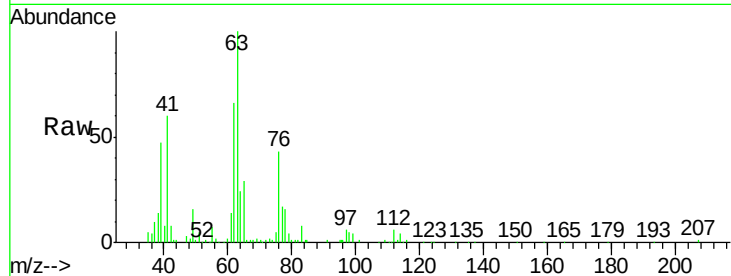
#45
 1,2-Dichloropropane
 Concen: 53.359 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD066226.D
 Acq: 13 Aug 2020 22:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.2	26.5	39.7

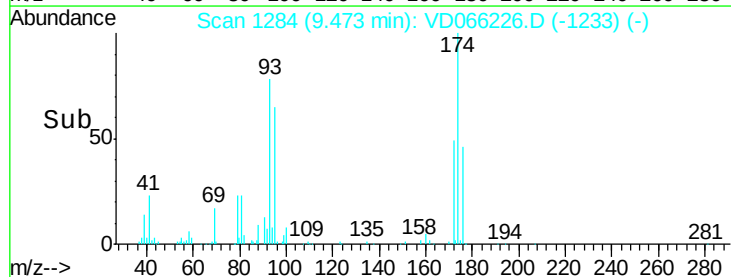
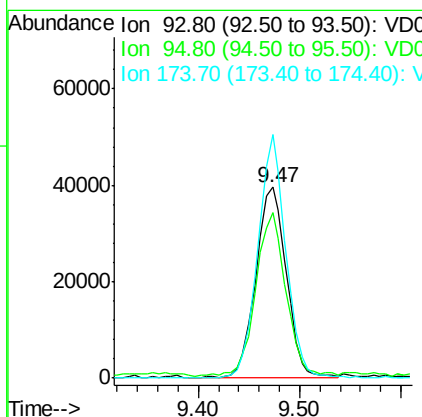
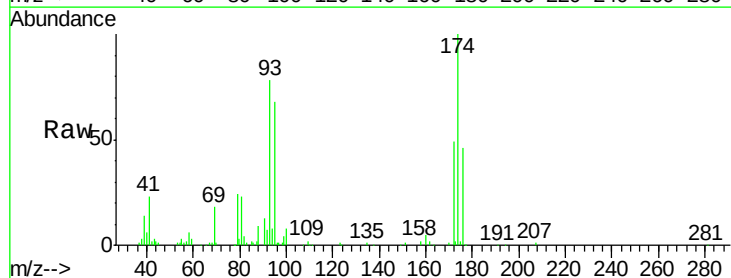
Manual Integrations
 APPROVED

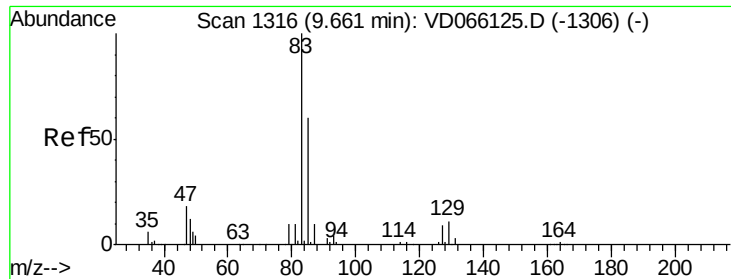
MMDadoda
 8/14/2020 5:11:59 PM



#46
 Dibromomethane
 Concen: 55.974 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VD066226.D
 Acq: 13 Aug 2020 22:31

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.9	65.8	98.6
174	115.6	92.8	139.2





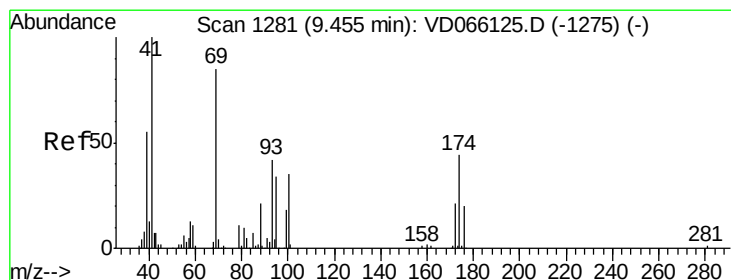
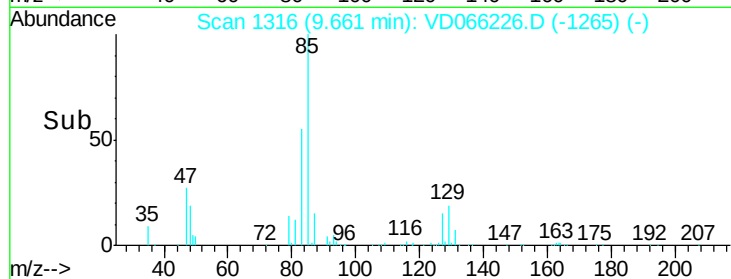
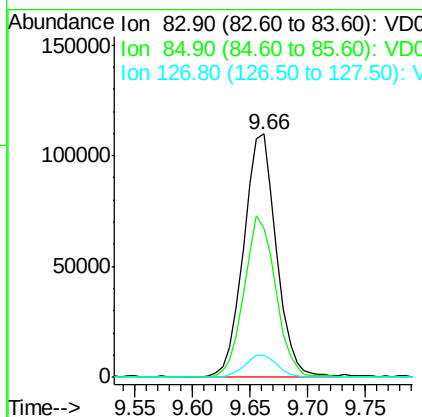
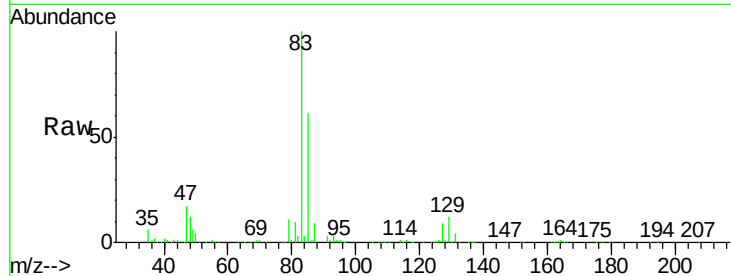
#47
Bromodichloromethane
Concen: 54.730 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VD066226.D
Acq: 13 Aug 2020 22:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	215411		
85	61.3	48.2	72.4	
127	9.2	7.3	10.9	

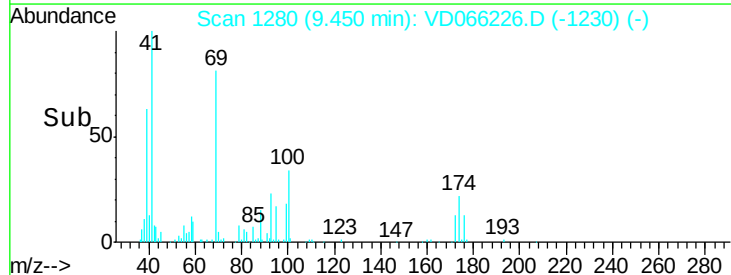
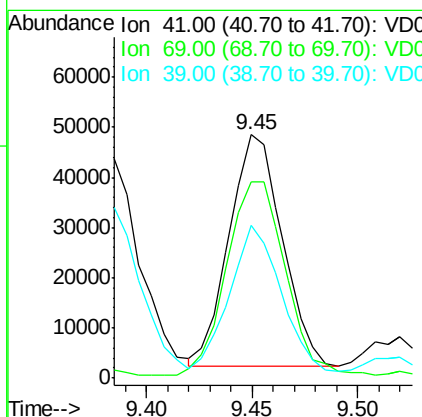
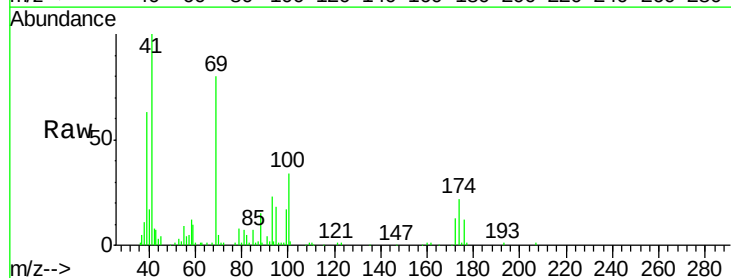
Manual Integrations
APPROVED

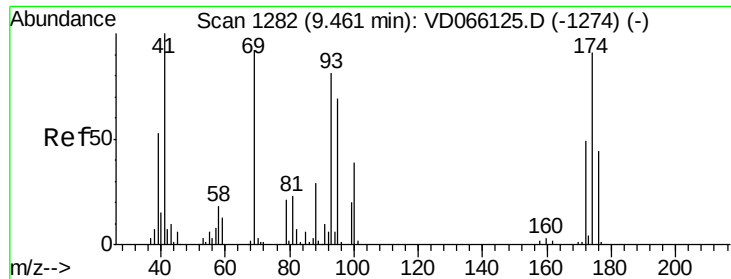
MMDadoda
8/14/2020 5:11:59 PM



#48
Methyl methacrylate
Concen: 50.915 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD066226.D
Acq: 13 Aug 2020 22:31

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	80874		
69	92.2	63.9	95.9	
39	66.0	42.6	64.0	





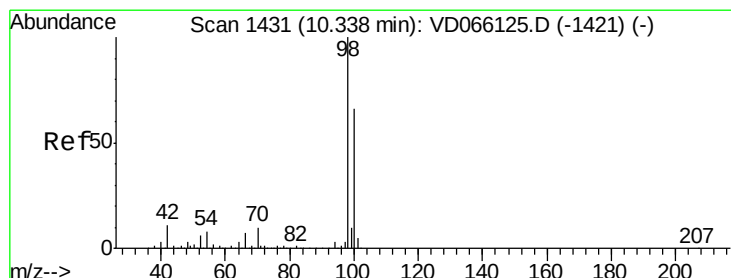
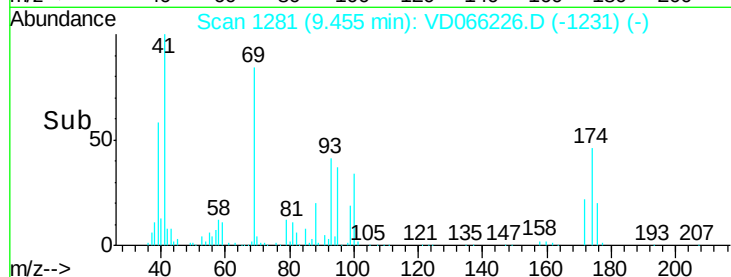
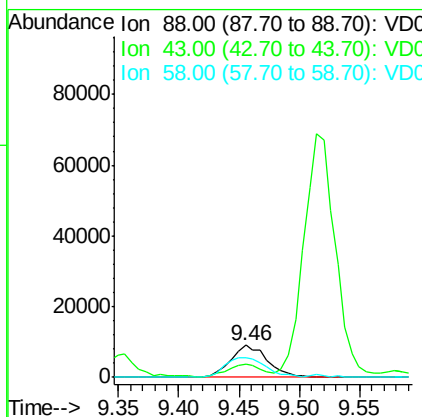
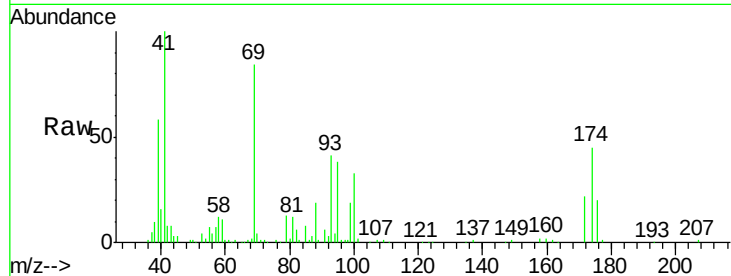
#49
1,4-Dioxane
Concen: 1003.336 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD066226.D
Acq: 13 Aug 2020 22:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.1	27.5	41.3
58	69.6	50.2	75.4

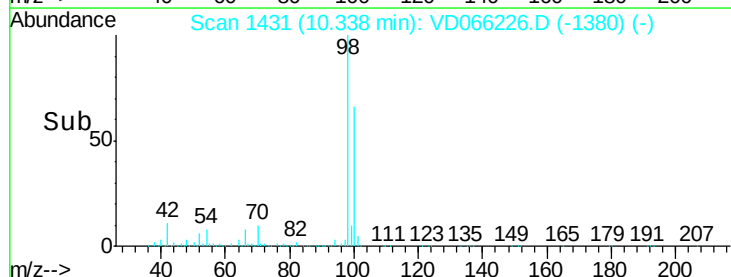
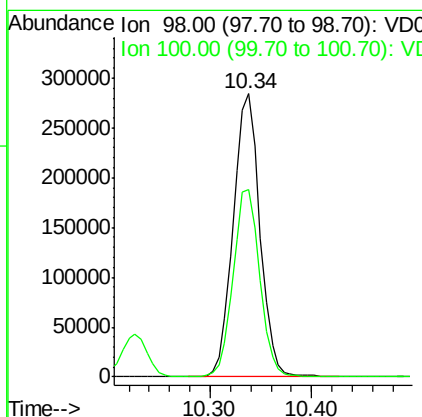
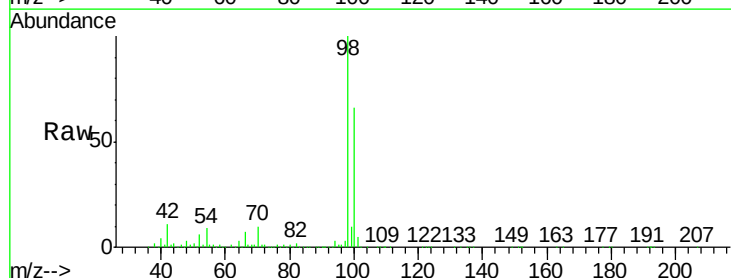
Manual Integrations
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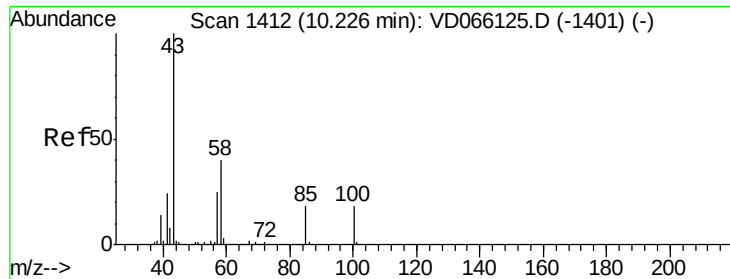
MMDadoda
8/14/2020 5:11:59 PM



#50
Toluene-d8
Concen: 52.334 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066226.D
Acq: 13 Aug 2020 22:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 272.339 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066226.D

Acq: 13 Aug 2020 22:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 435159

Ion Ratio Lower Upper

43 100

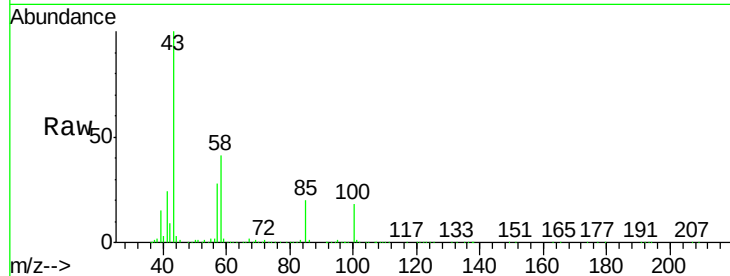
58 39.9 31.1 46.7

Manual Integrations

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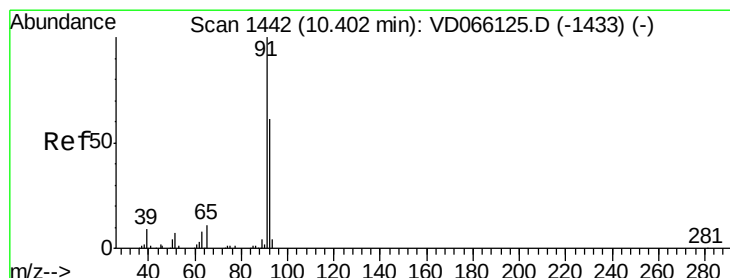
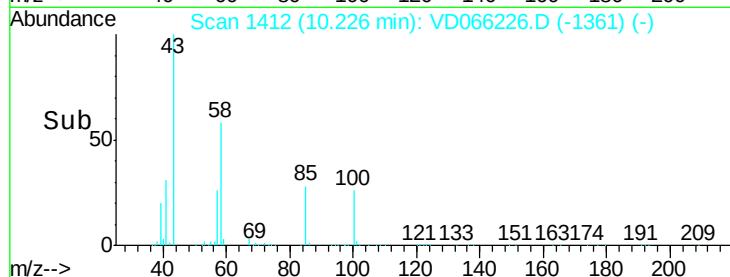
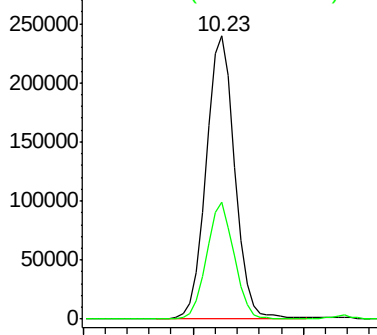
MMDadoda

8/14/2020 5:11:59 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 52.424 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066226.D

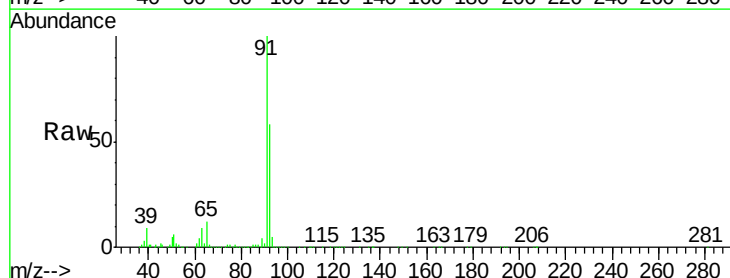
Acq: 13 Aug 2020 22:31

Tgt Ion: 92 Resp: 381322

Ion Ratio Lower Upper

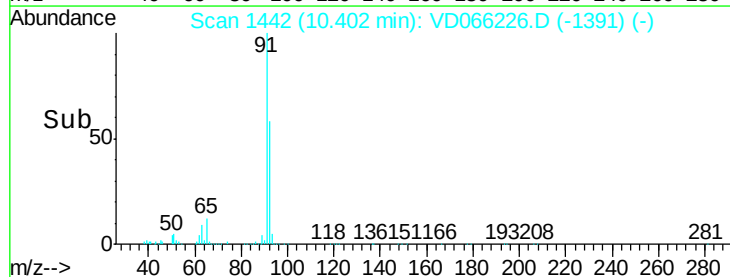
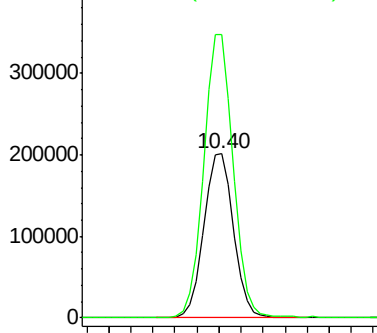
92 100

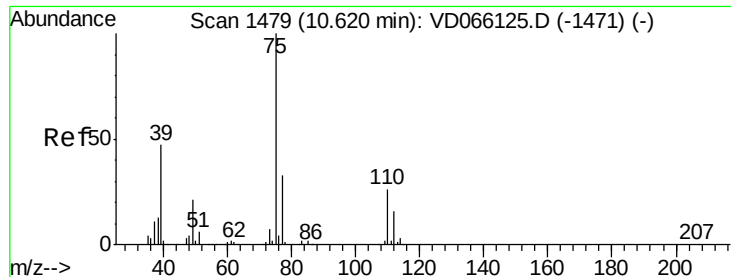
91 170.2 135.2 202.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





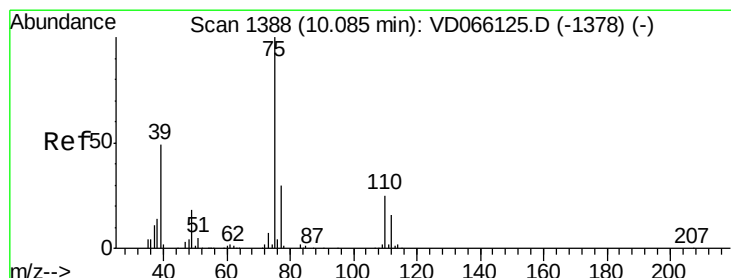
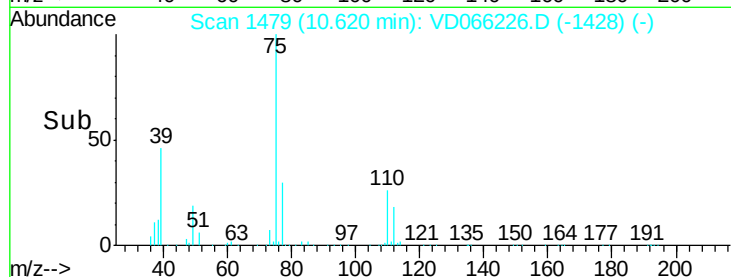
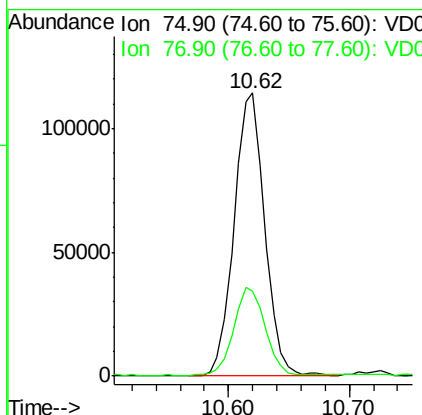
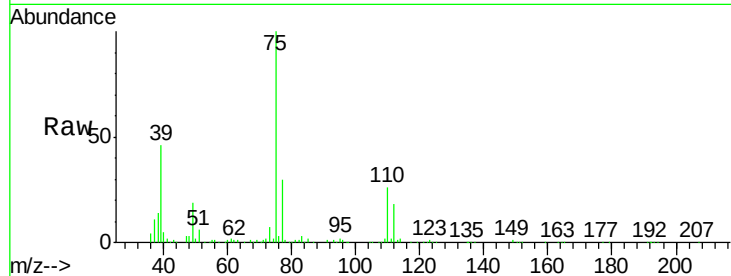
#53
 t-1,3-Dichloropropene
 Concen: 54.173 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD066226.D
 Acq: 13 Aug 2020 22:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 202347
 Ion Ratio Lower Upper
 75 100
 77 29.8 26.2 39.2

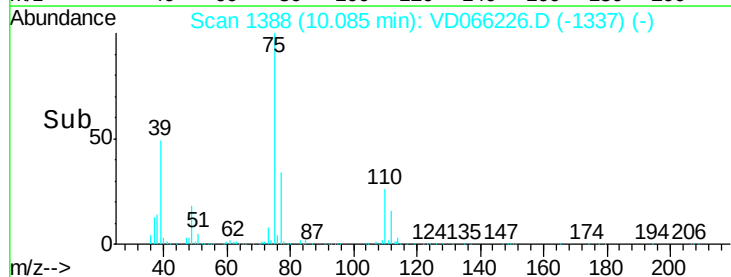
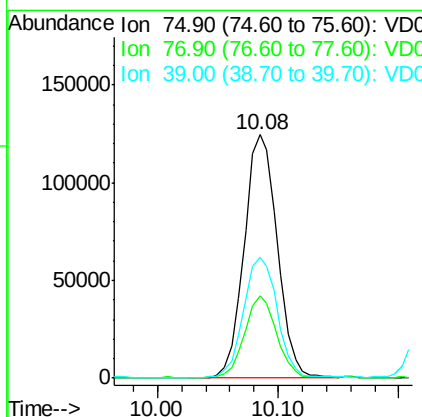
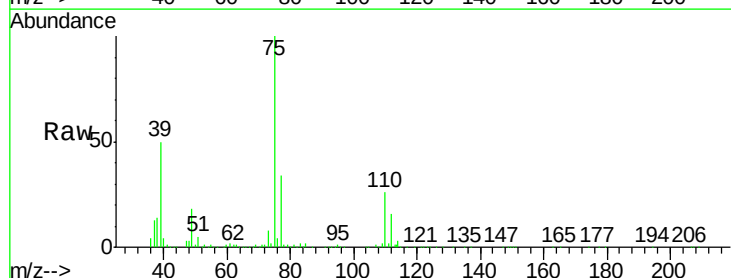
Manual Integrations
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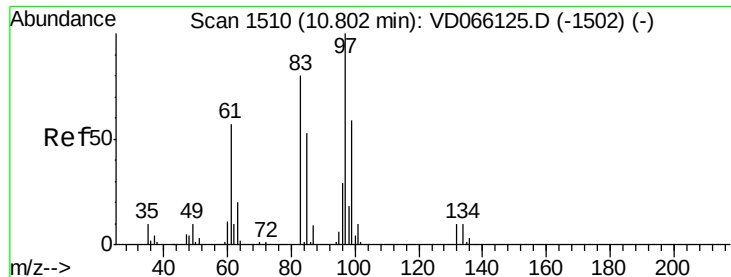
MMDadoda
 8/14/2020 5:11:59 PM



#54
 cis-1,3-Dichloropropene
 Concen: 54.450 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD066226.D
 Acq: 13 Aug 2020 22:31

Tgt Ion: 75 Resp: 238286
 Ion Ratio Lower Upper
 75 100
 77 33.6 24.3 36.5
 39 49.5 39.3 58.9





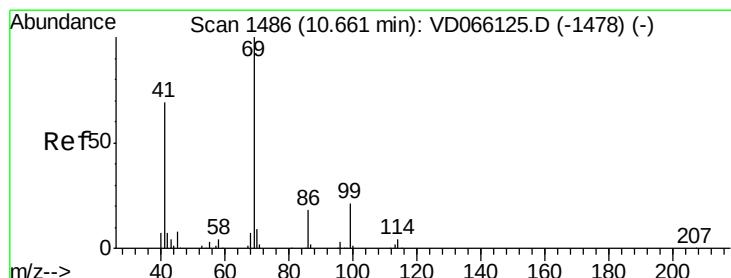
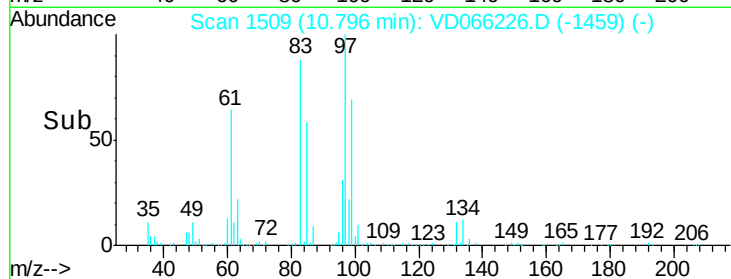
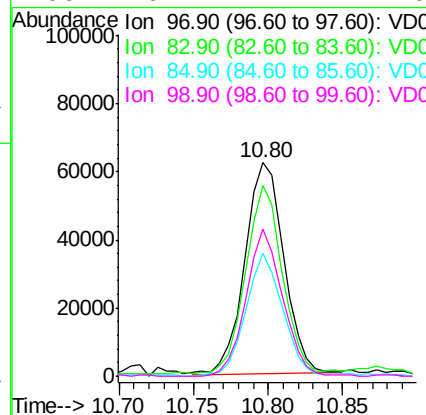
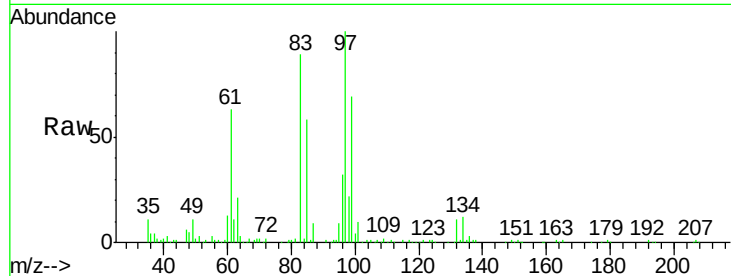
#55
 1,1,2-Trichloroethane
 Concen: 51.975 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066226.D
 Acq: 13 Aug 2020 22:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp	111453
Ion	Ratio	Lower	Upper
97	100		
83	89.6	63.9	95.9
85	58.6	42.5	63.7
99	70.2	47.4	71.0

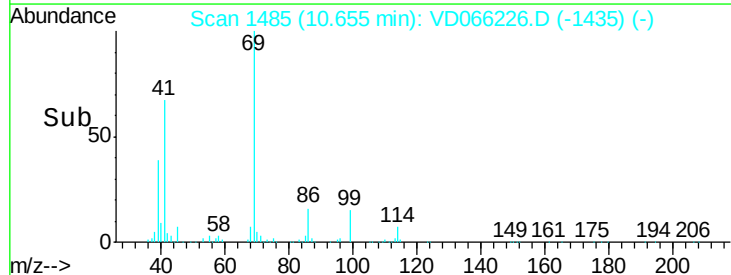
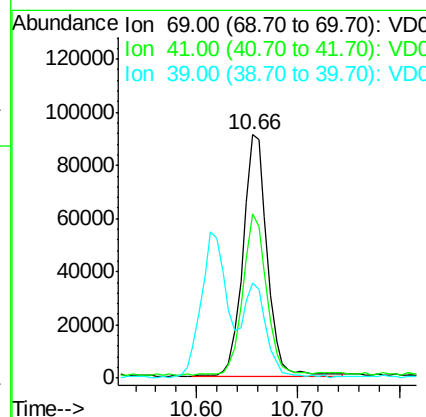
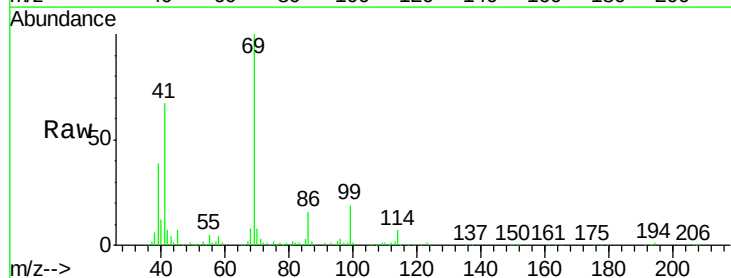
Manual Integrations
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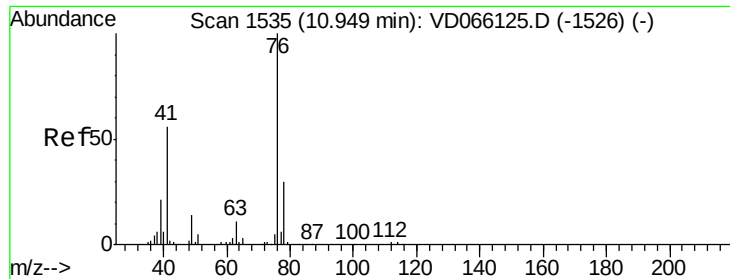
MMDadoda
 8/14/2020 5:11:59 PM



#56
 Ethyl methacrylate
 Concen: 58.469 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066226.D
 Acq: 13 Aug 2020 22:31

Tgt Ion	69	Resp	150615
Ion	Ratio	Lower	Upper
69	100		
41	64.1	54.1	81.1
39	36.4	28.6	43.0





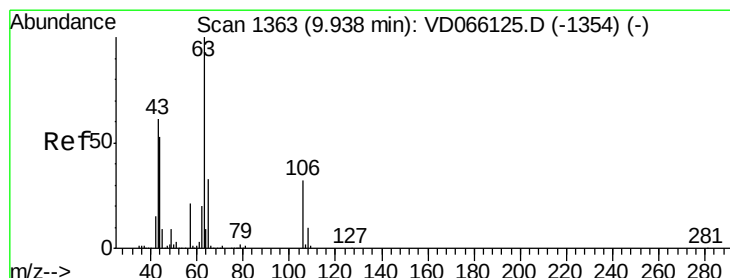
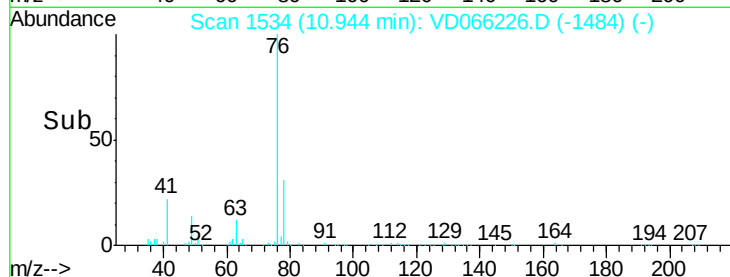
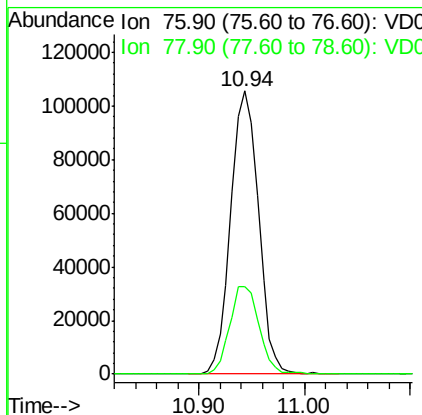
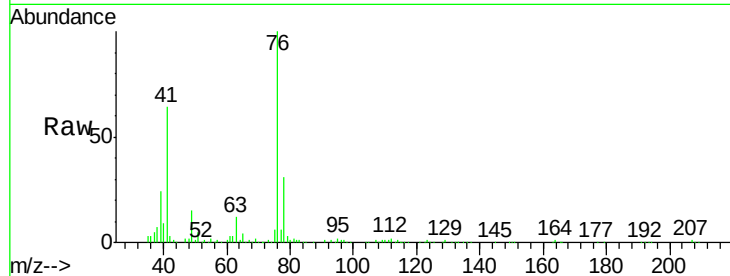
#57
 1,3-Dichloropropane
 Concen: 54.043 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VD066226.D
 Acq: 13 Aug 2020 22:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.5	38.3

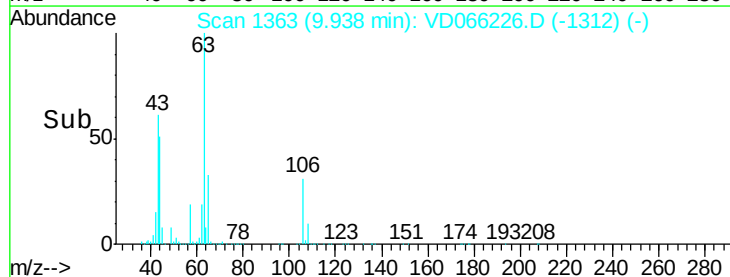
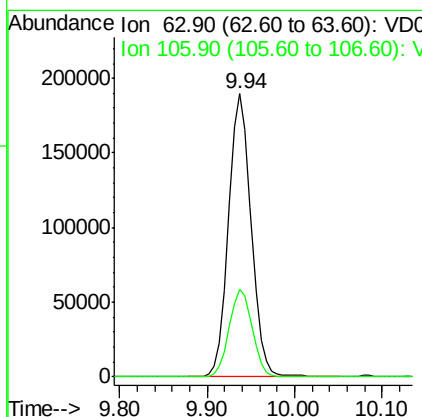
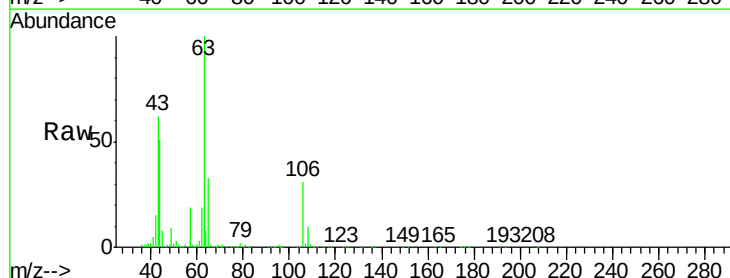
Manual Integrations
 APPROVED

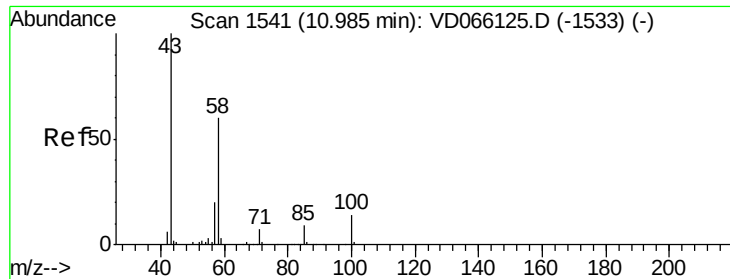
MMDadoda
 8/14/2020 5:11:59 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 289.236 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066226.D
 Acq: 13 Aug 2020 22:31

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.7	25.3	37.9





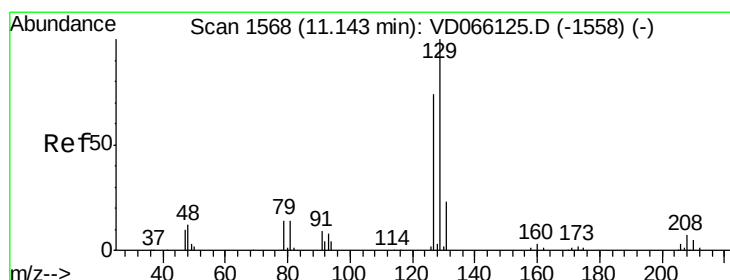
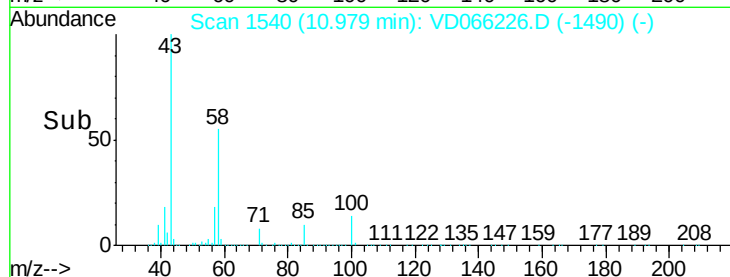
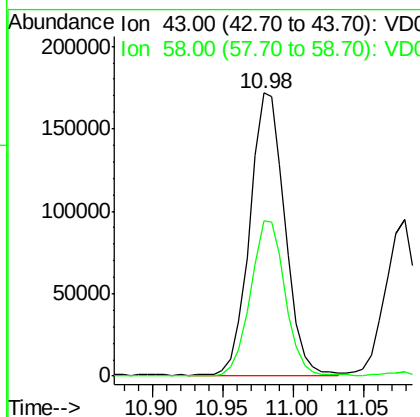
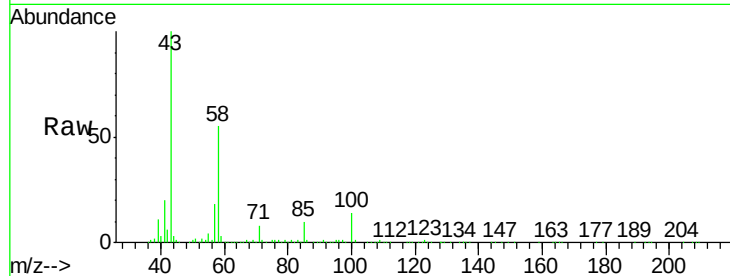
#59
2-Hexanone
Concen: 266.004 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066226.D
Acq: 13 Aug 2020 22:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.6	27.8	83.4

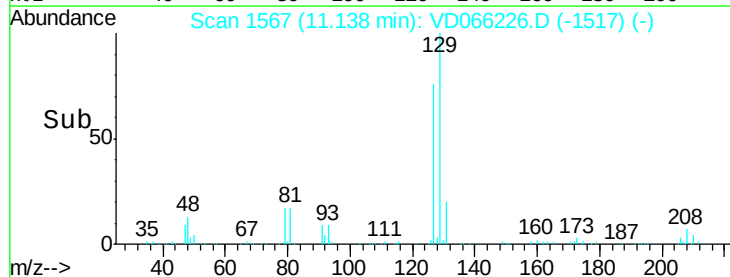
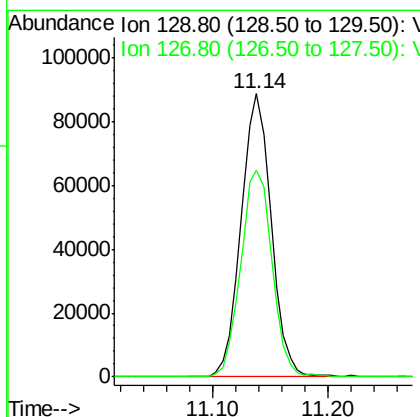
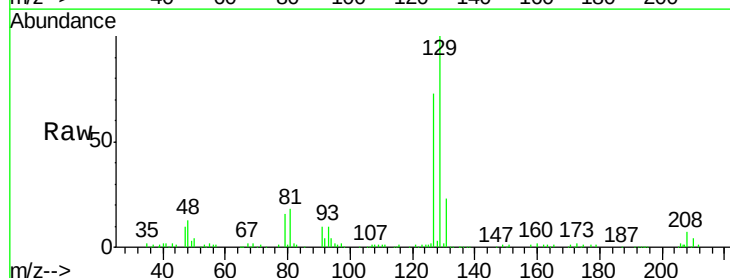
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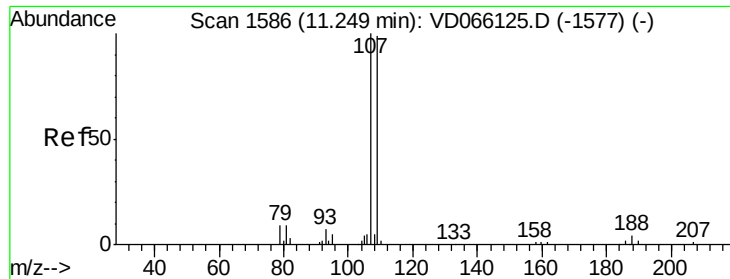
MMDadoda
8/14/2020 5:11:59 PM



#60
Dibromochloromethane
Concen: 54.386 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD066226.D
Acq: 13 Aug 2020 22:31

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.1	38.0	114.1





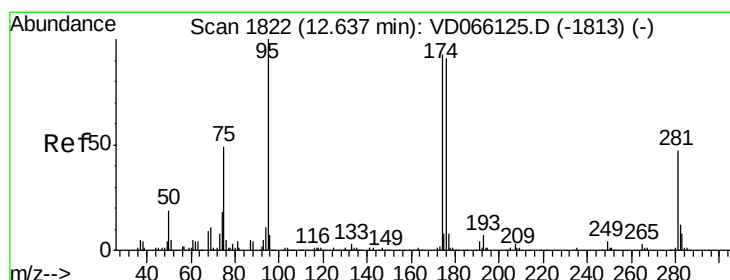
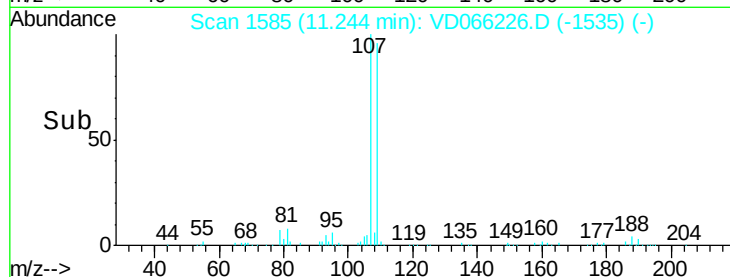
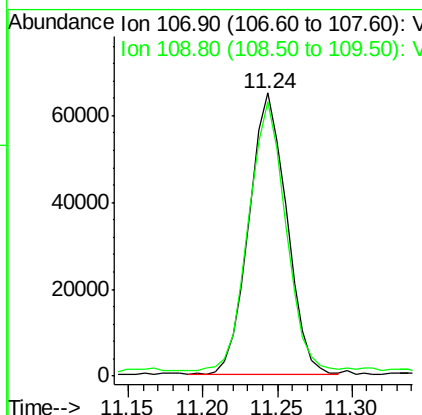
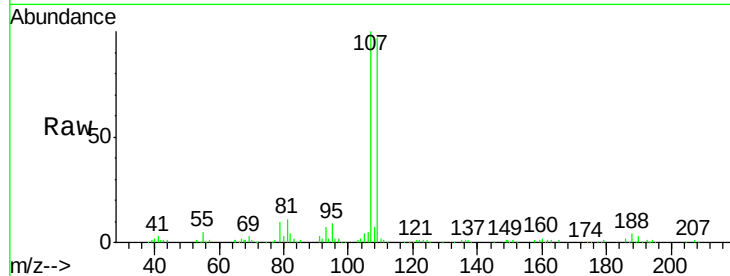
#61
 1,2-Dibromoethane
 Concen: 54.895 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD066226.D
 Acq: 13 Aug 2020 22:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	76.5	114.7

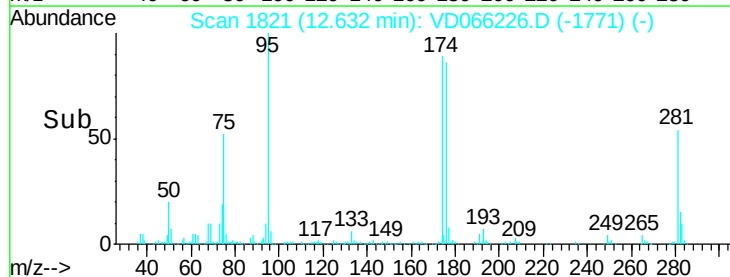
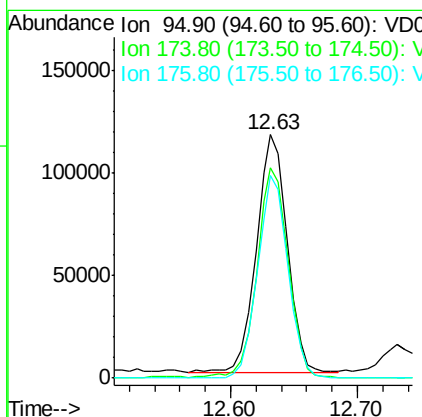
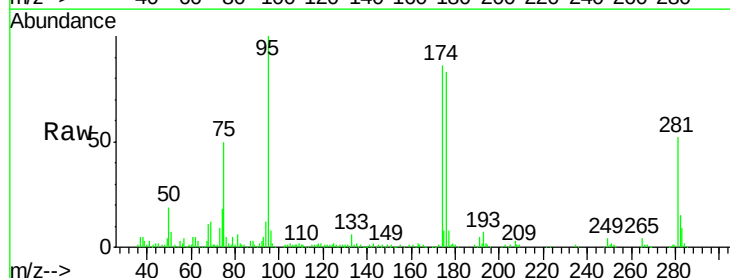
Manual Integrations
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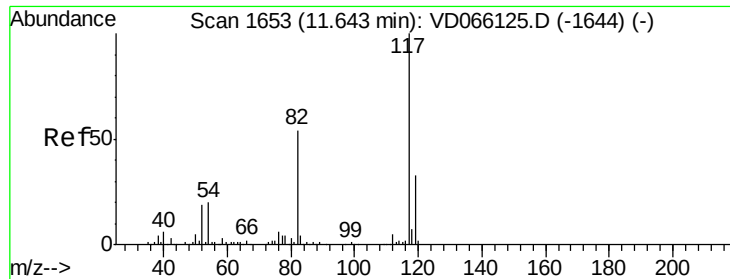
MMDadoda
 8/14/2020 5:11:59 PM



#62
 4-Bromofluorobenzene
 Concen: 54.537 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD066226.D
 Acq: 13 Aug 2020 22:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.7	0.0	180.8
176	84.2	0.0	181.2





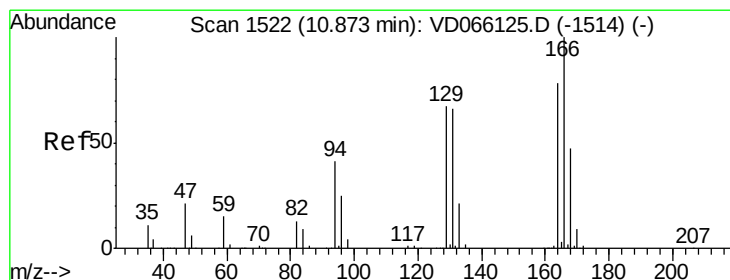
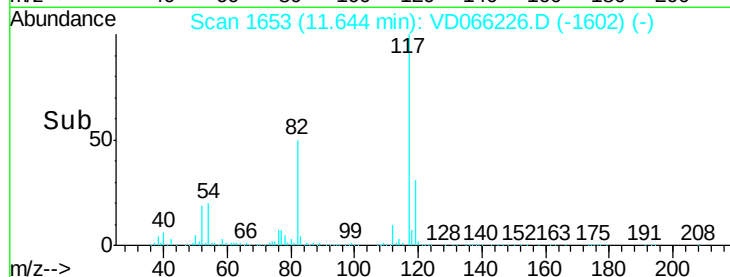
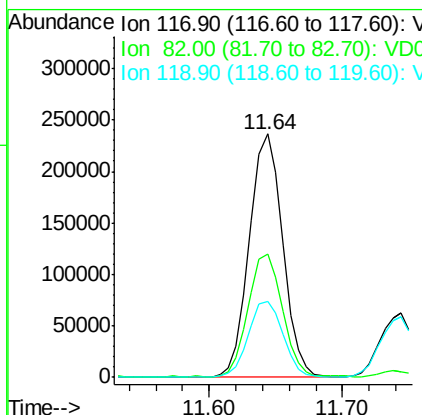
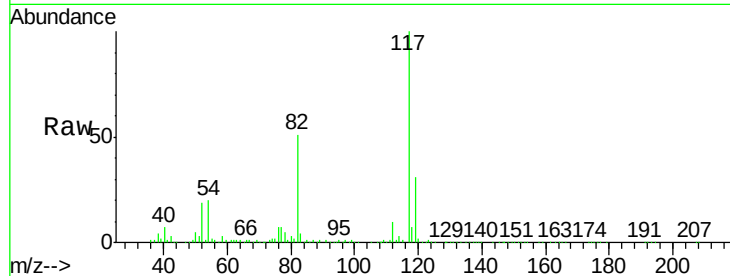
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066226.D
Acq: 13 Aug 2020 22:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	409373		
82	50.1		43.0	64.4
119	31.3		26.1	39.1

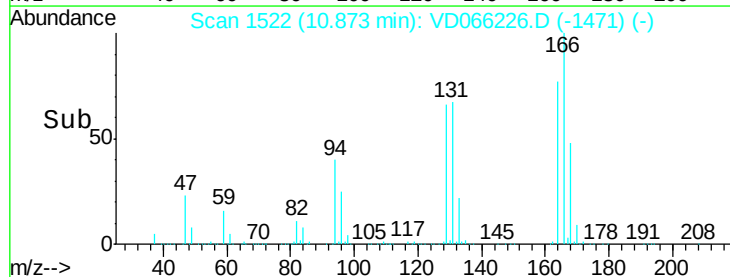
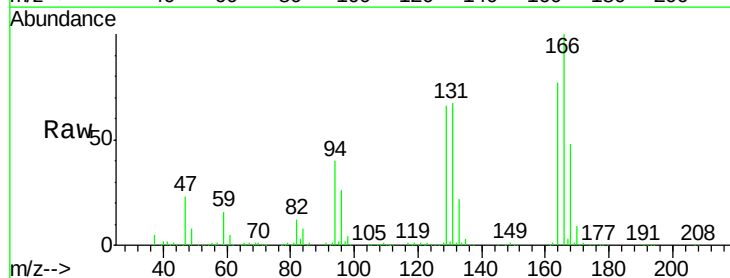
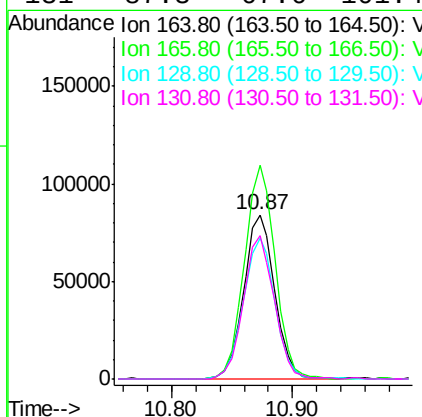
Manual Integrations
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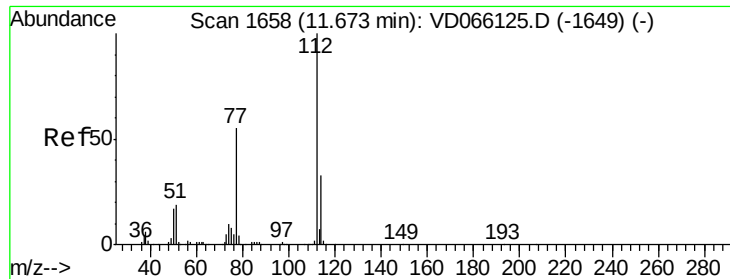
MMDadoda
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#64
Tetrachloroethene
Concen: 47.928 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066226.D
Acq: 13 Aug 2020 22:31

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	150662		
166	129.8		101.9	152.9
129	85.1		68.1	102.1
131	87.3		67.6	101.4





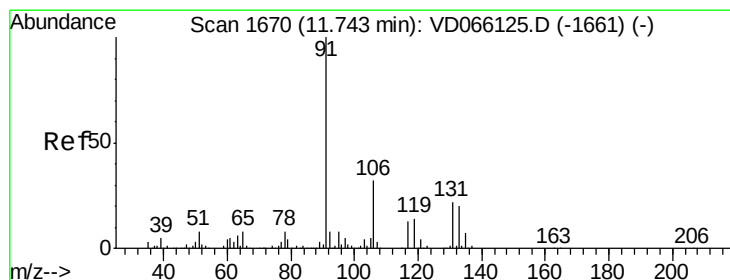
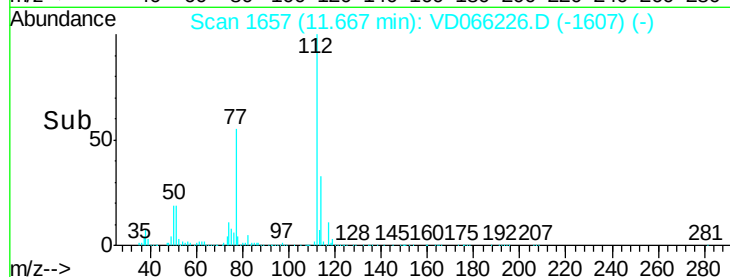
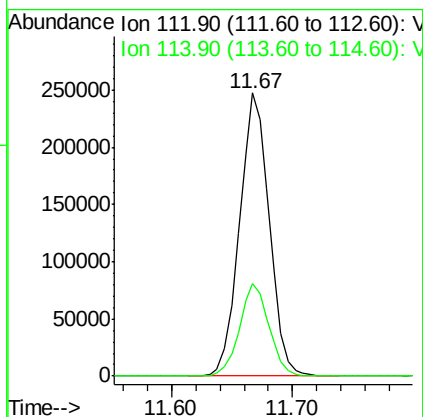
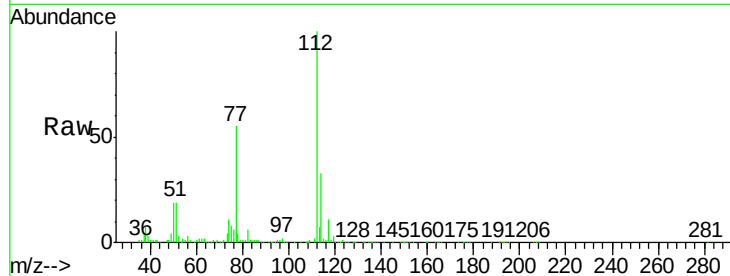
#65
Chlorobenzene
Concen: 51.071 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066226.D
Acq: 13 Aug 2020 22:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	26.1	39.1

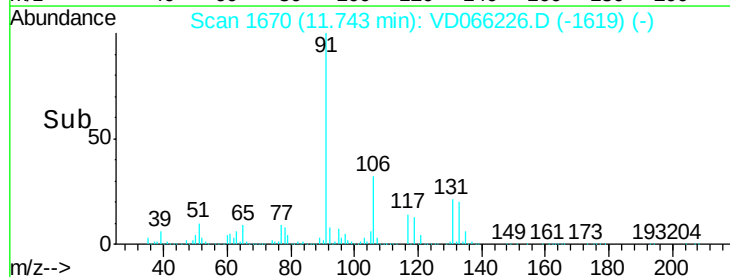
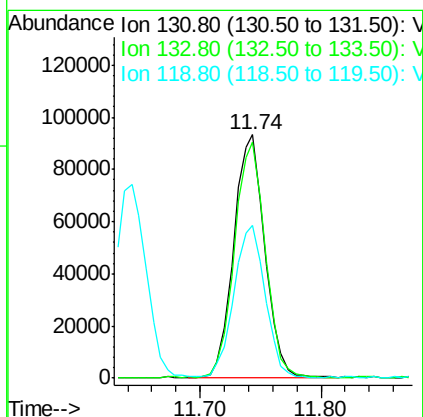
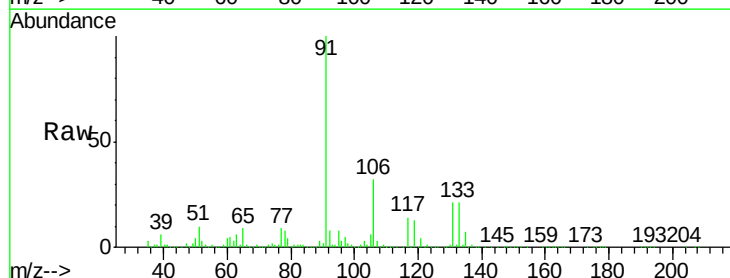
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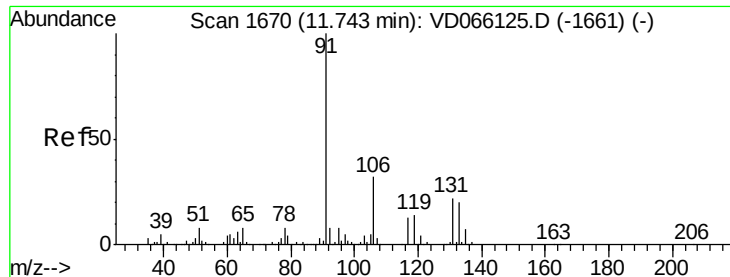
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.762 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066226.D
Acq: 13 Aug 2020 22:31

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.1	141.4
119	62.6	31.6	94.7





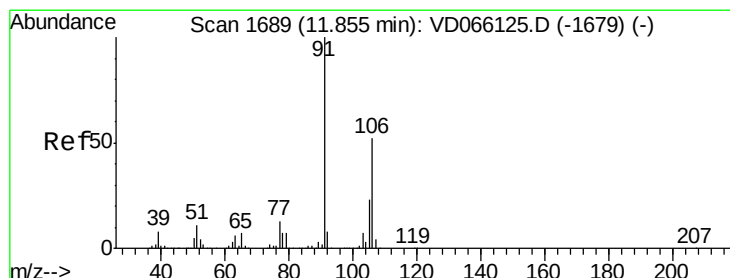
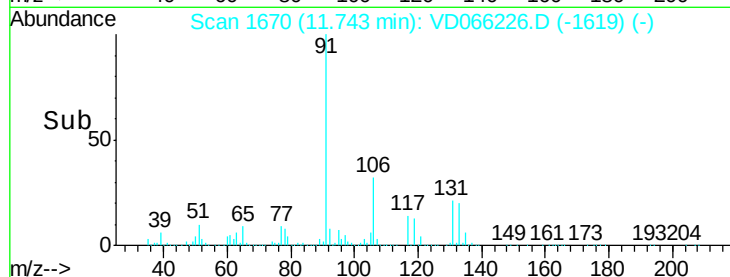
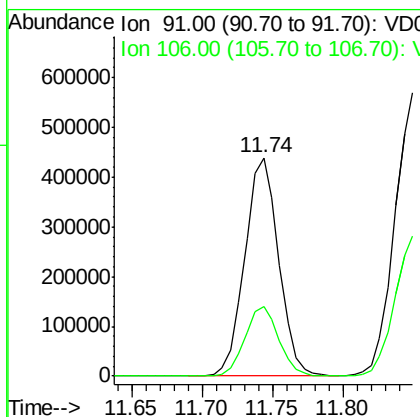
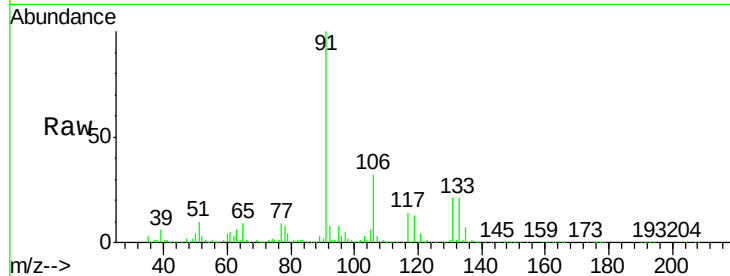
#67
Ethyl Benzene
Concen: 50.927 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066226.D
Acq: 13 Aug 2020 22:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 733402
Ion Ratio Lower Upper
91 100
106 32.0 25.7 38.5

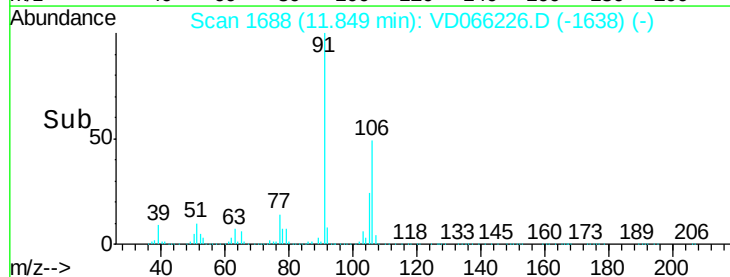
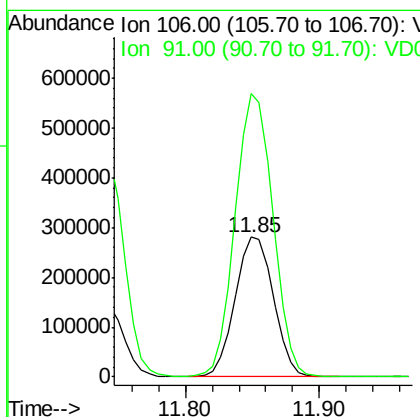
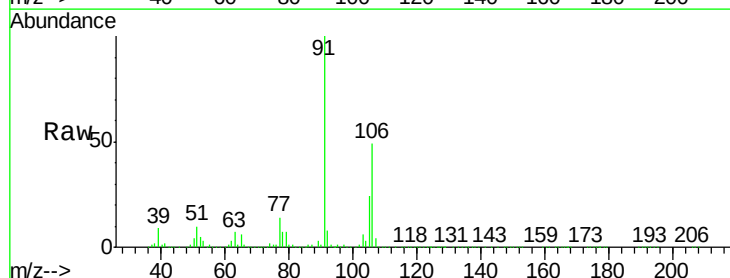
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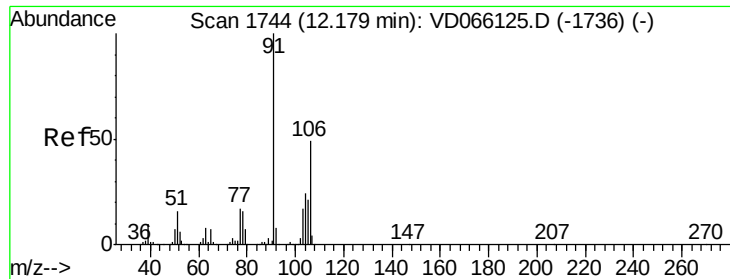
MMDadoda
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#68
m/p-Xylenes
Concen: 100.139 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD066226.D
Acq: 13 Aug 2020 22:31

Tgt Ion: 106 Resp: 558735
Ion Ratio Lower Upper
106 100
91 199.4 156.6 235.0





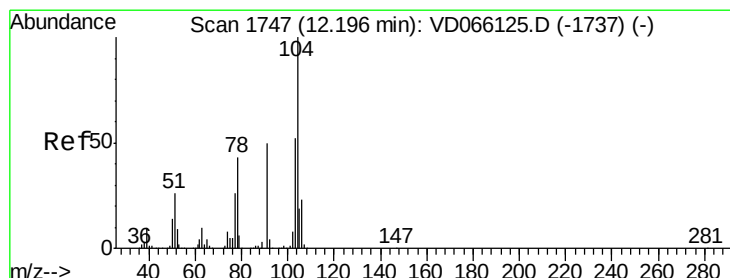
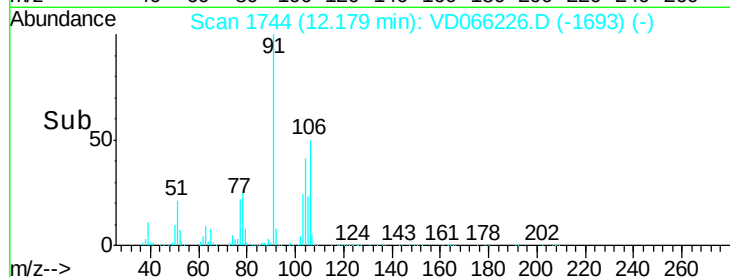
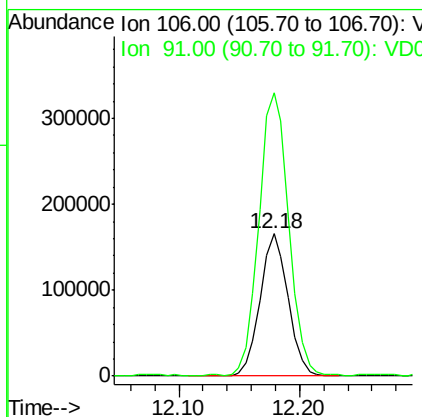
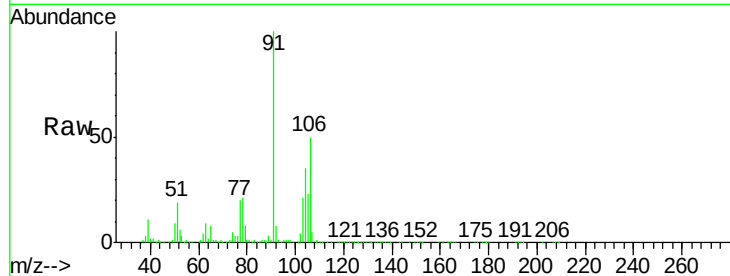
#69
o-Xylene
Concen: 52.879 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066226.D
Acq: 13 Aug 2020 22:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		268392		
91	209.3	105.7	317.1		

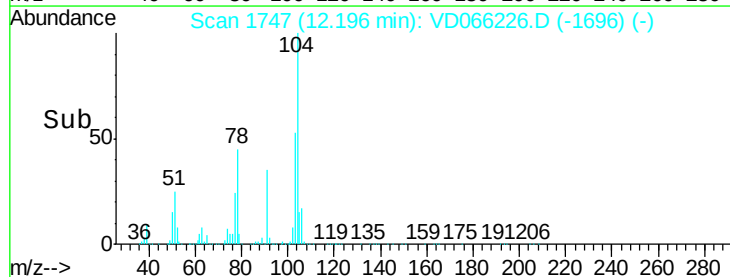
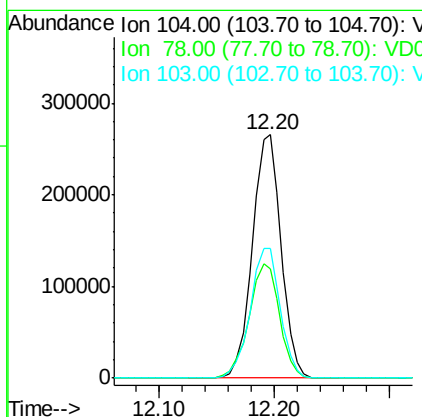
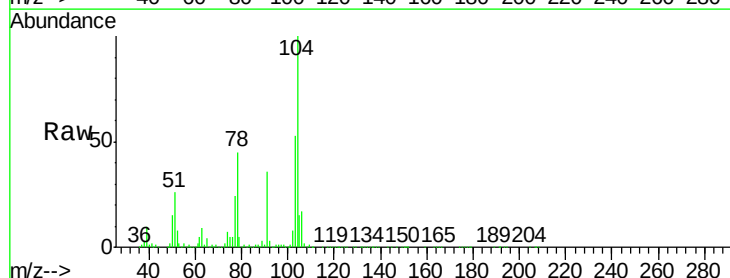
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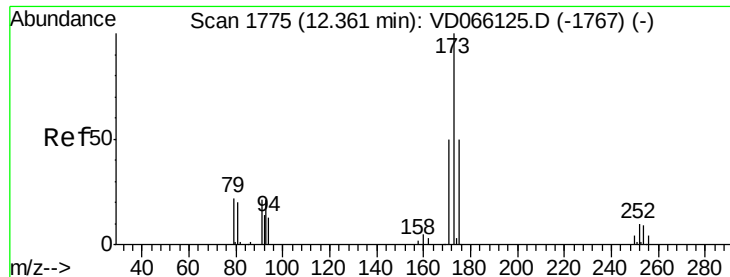
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#70
Styrene
Concen: 51.866 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066226.D
Acq: 13 Aug 2020 22:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		461352		
78	50.0	38.6	58.0		
103	55.9	44.1	66.1		





#71

Bromoform

Concen: 52.473 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066226.D

Acq: 13 Aug 2020 22:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 101090

Ion Ratio Lower Upper

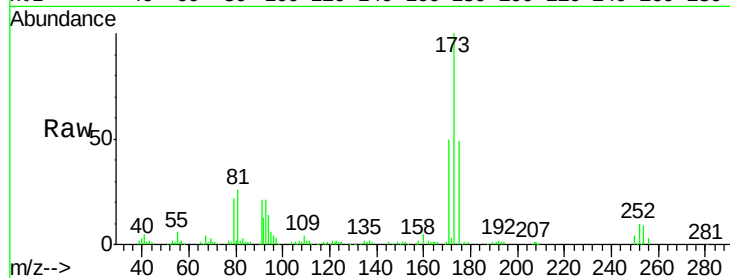
173 100

175 49.6 24.6 73.6

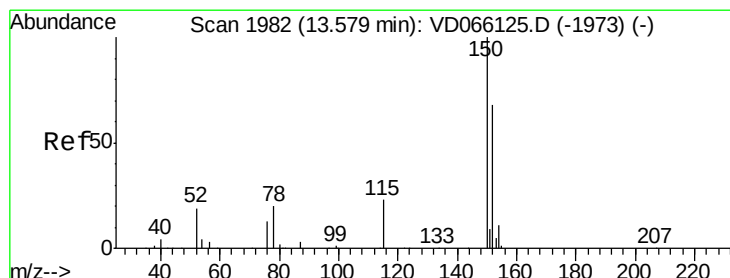
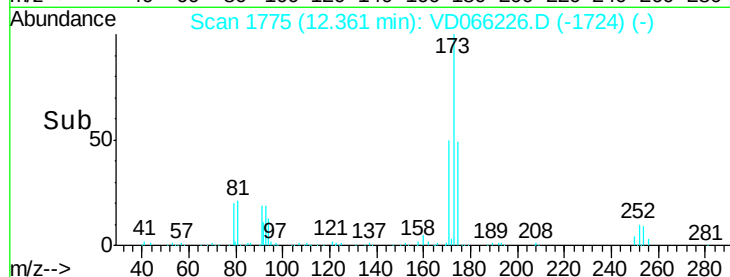
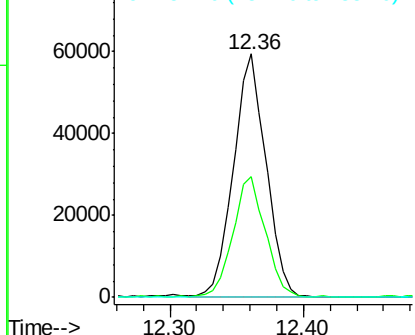
254 0.1 0.2 0.2#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066226.D

Acq: 13 Aug 2020 22:31

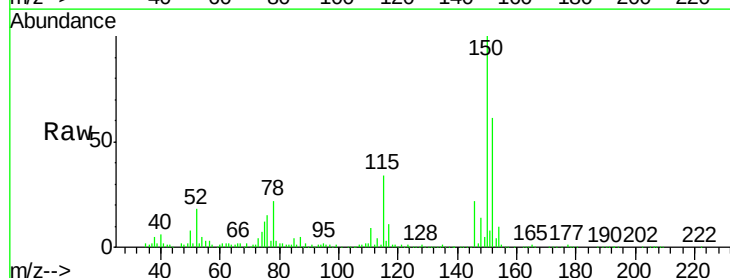
Tgt Ion:152 Resp: 201979

Ion Ratio Lower Upper

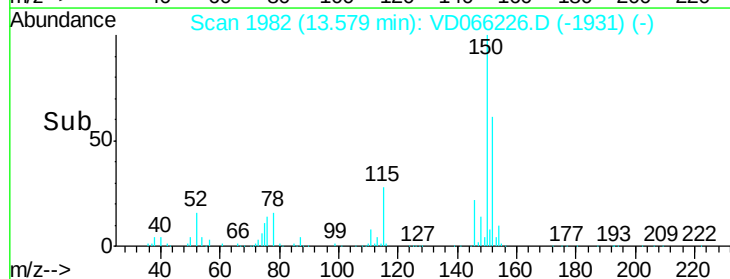
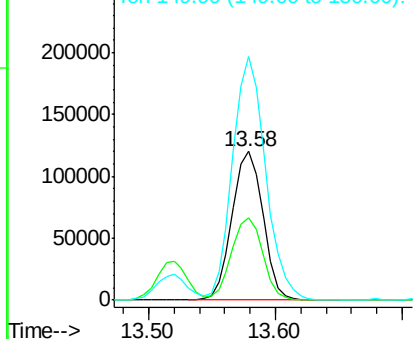
152 100

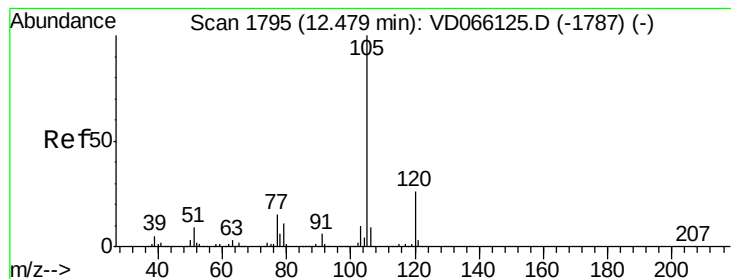
115 55.5 28.0 83.9

150 175.1 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.130 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066226.D

Acq: 13 Aug 2020 22:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 729809

Ion Ratio Lower Upper

105 100

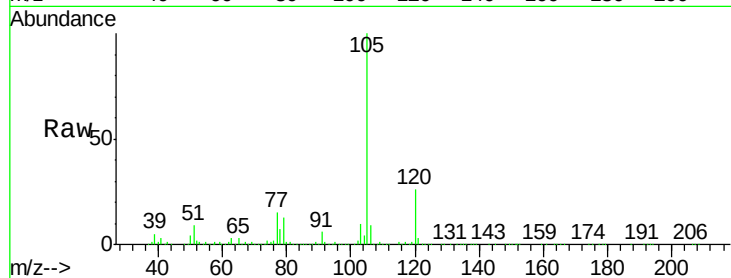
120 26.6 13.3 39.9

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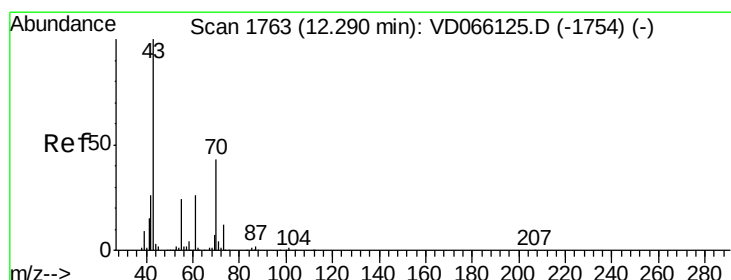
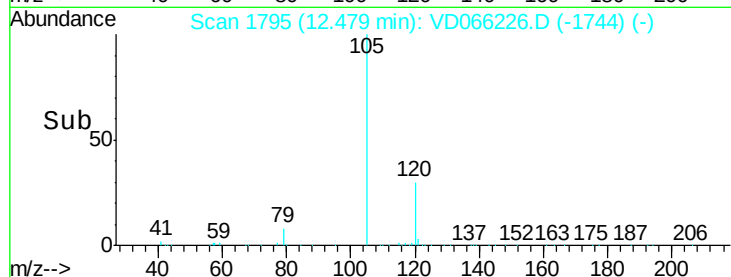
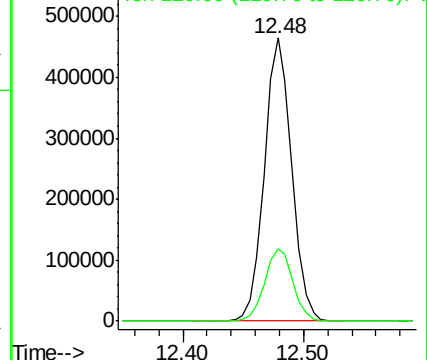
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.180 ug/l

RT: 12.28 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VD066226.D

Acq: 13 Aug 2020 22:31

Tgt Ion: 43 Resp: 160859

Ion Ratio Lower Upper

43 100

70 45.0 34.9 52.3

55 29.4 19.2 28.8#

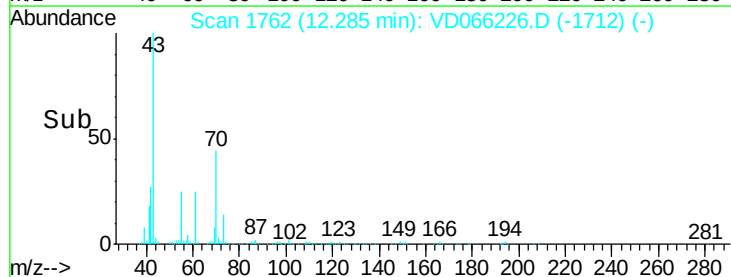
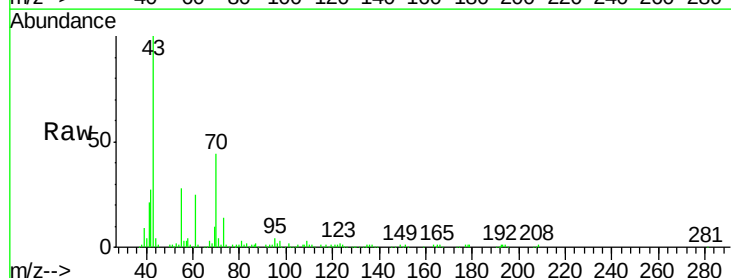
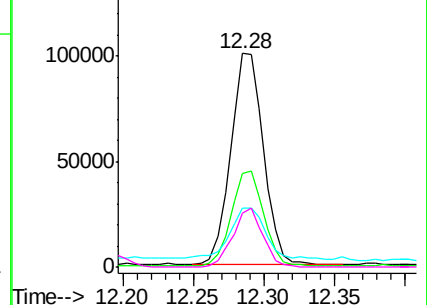
61 25.7 19.7 29.5

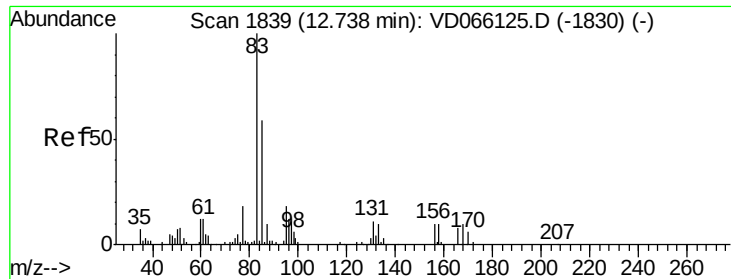
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 54.740 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066226.D

Acq: 13 Aug 2020 22:31

Instrument :

MSVOA_D

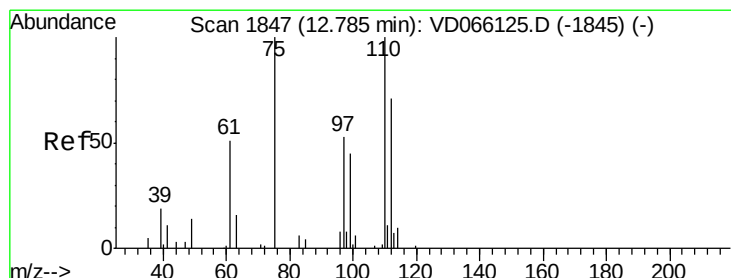
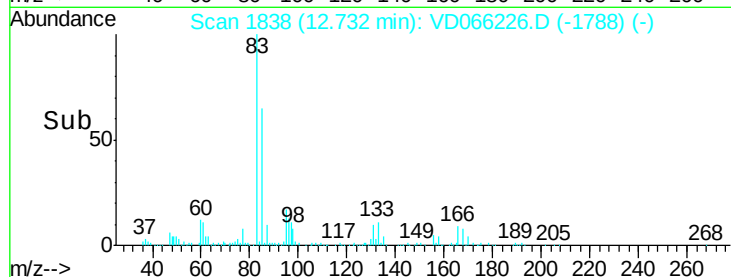
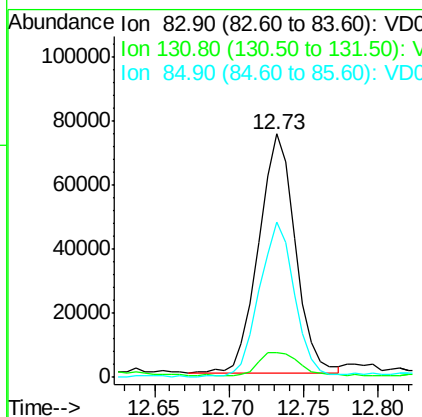
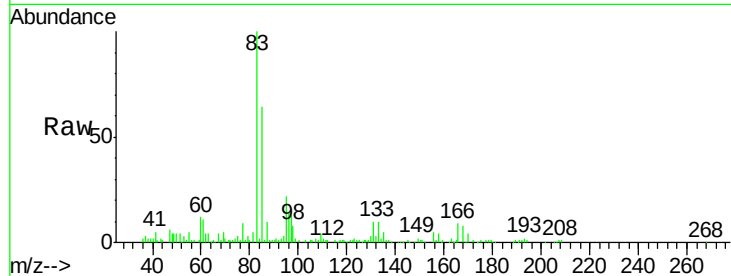
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	125847
Ion Ratio	Lower	Upper	
83	100		
131	11.2	6.2	18.6
85	62.5	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 57.808 ug/l m

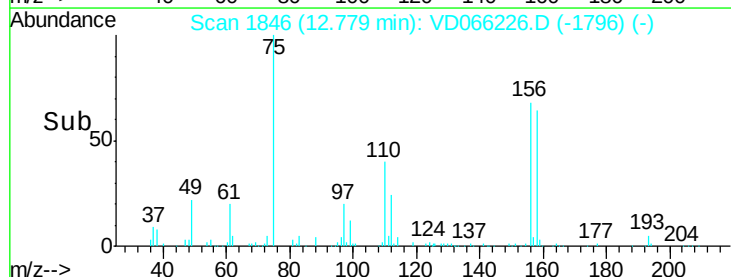
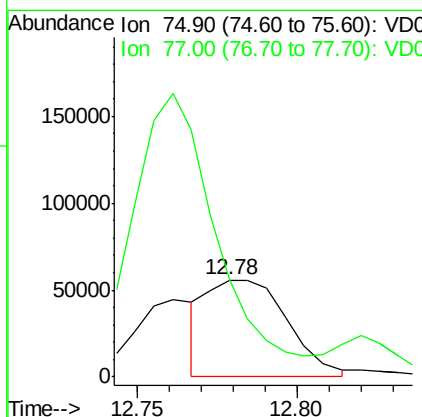
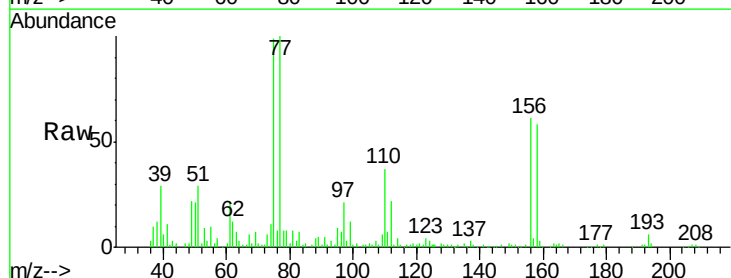
RT: 12.78 min Scan# 1846

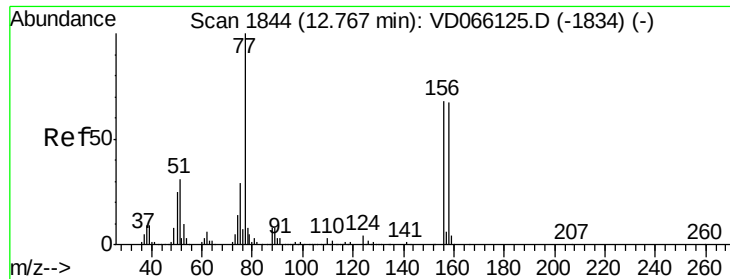
Delta R.T. -0.01 min

Lab File: VD066226.D

Acq: 13 Aug 2020 22:31

Tgt Ion:	75	Resp:	97369
Ion Ratio	Lower	Upper	
75	100		
77	308.9	0.0	0.0#





#77

Bromobenzene

Concen: 54.287 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD066226.D

Acq: 13 Aug 2020 22:31

Instrument :

MSVOA_D

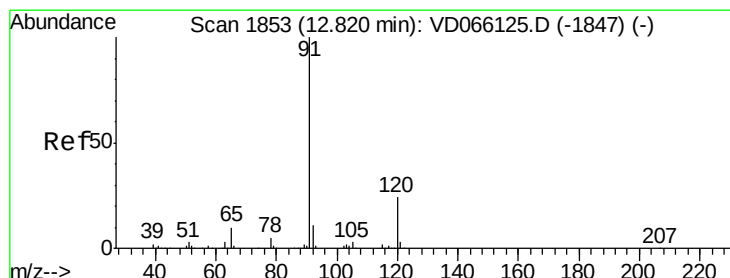
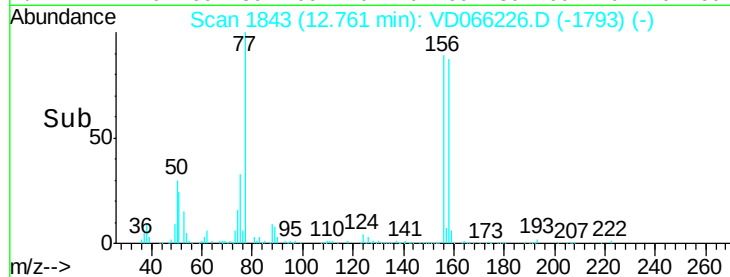
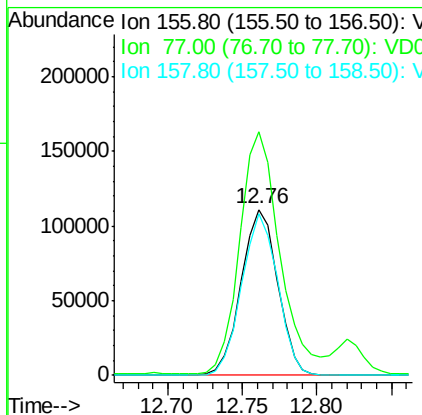
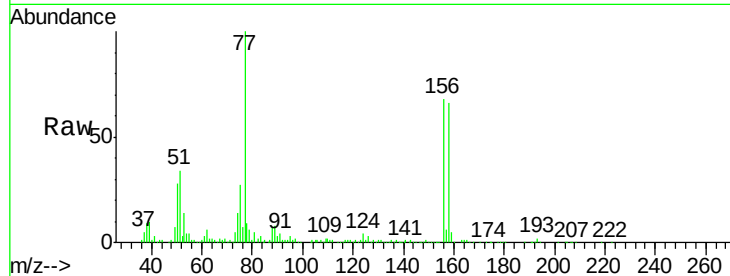
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	188413
Ion Ratio	Lower	Upper	
156	100		
77	159.6	81.0	243.1
158	95.8	48.8	146.3

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#78

n-propylbenzene

Concen: 52.511 ug/l

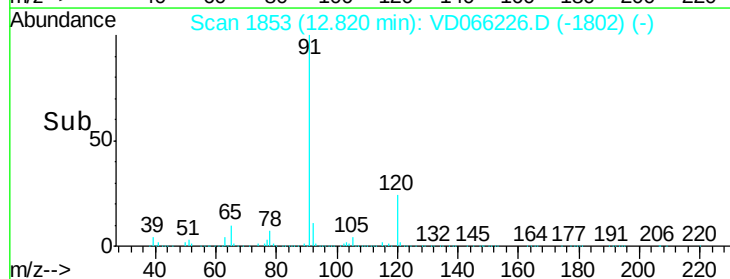
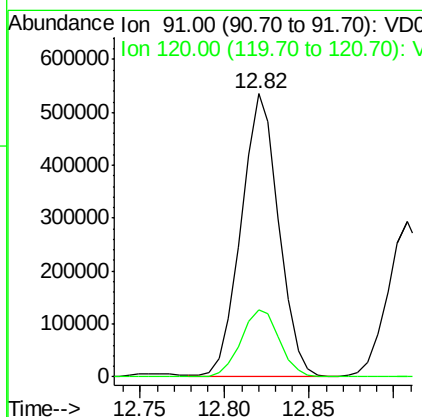
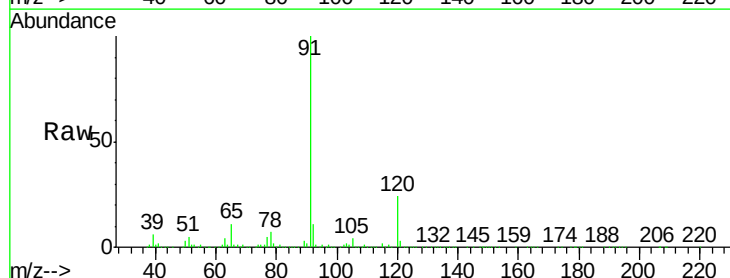
RT: 12.82 min Scan# 1853

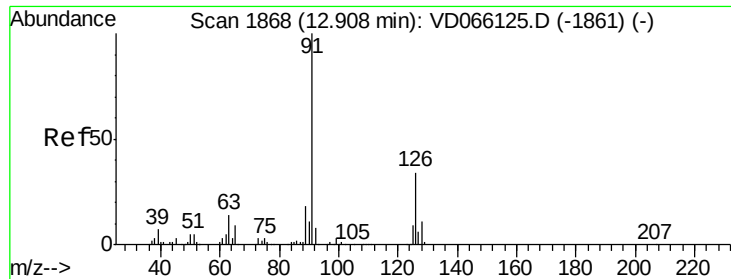
Delta R.T. 0.00 min

Lab File: VD066226.D

Acq: 13 Aug 2020 22:31

Tgt Ion:	91	Resp:	822976
Ion Ratio	Lower	Upper	
91	100		
120	24.1	12.0	36.0





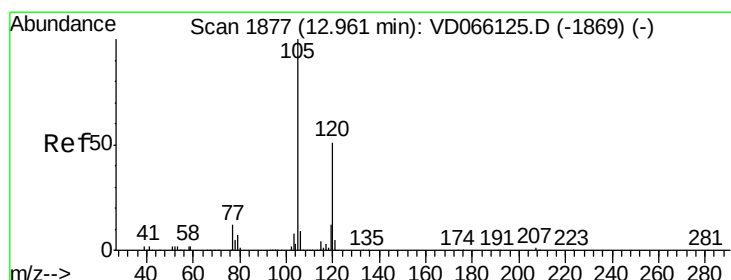
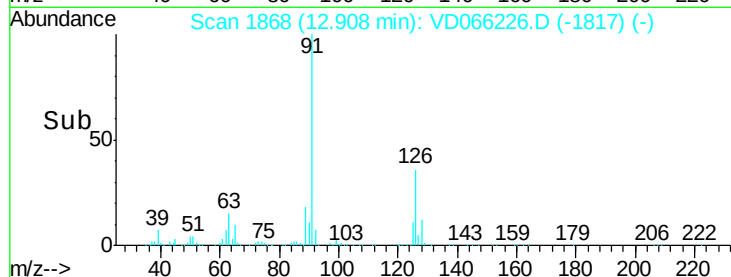
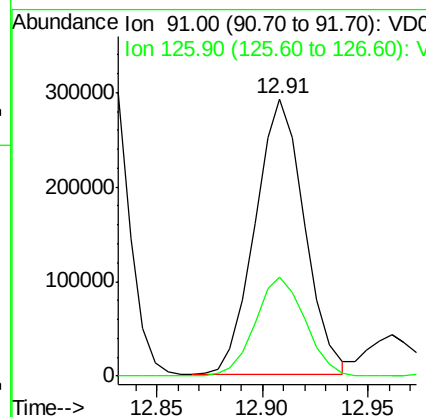
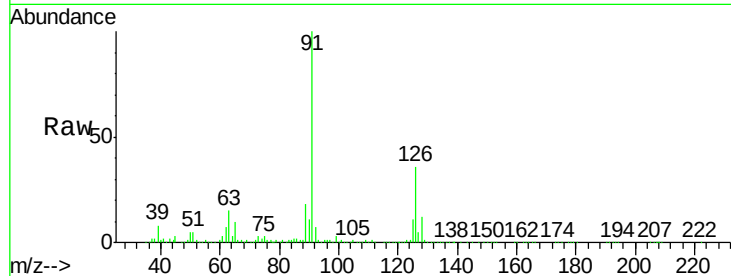
#79
2-Chlorotoluene
Concen: 52.871 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VD066226.D
Acq: 13 Aug 2020 22:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 473915
Ion Ratio Lower Upper
91 100
126 36.2 17.5 52.6

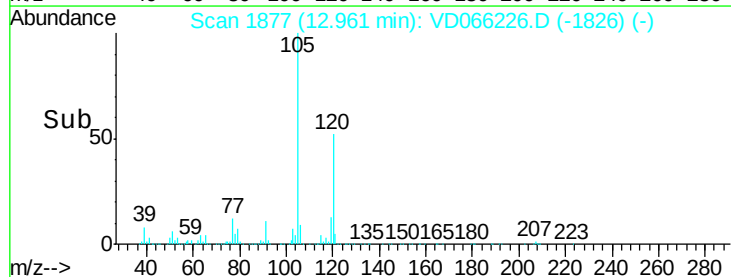
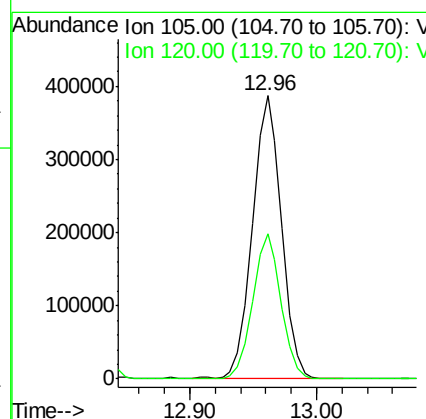
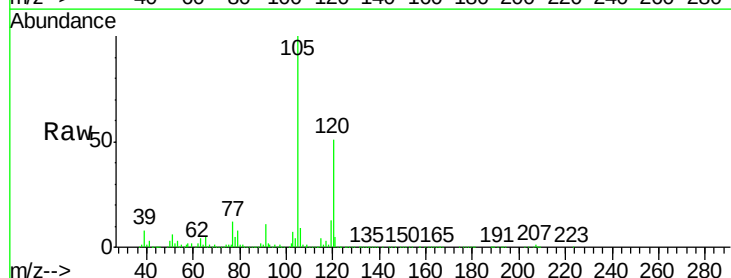
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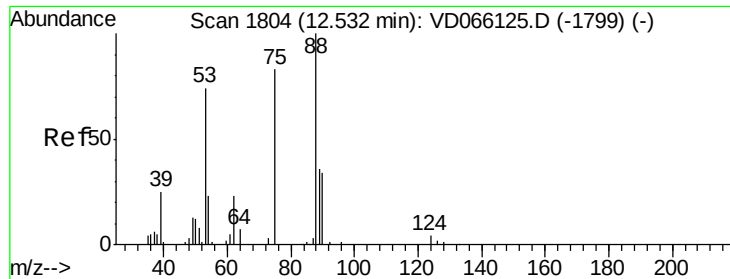
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#80
1,3,5-Trimethylbenzene
Concen: 54.254 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VD066226.D
Acq: 13 Aug 2020 22:31

Tgt Ion: 105 Resp: 611741
Ion Ratio Lower Upper
105 100
120 50.3 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 49.580 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD066226.D

Acq: 13 Aug 2020 22:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 37778

Ion Ratio Lower Upper

75 100

53 103.9 73.4 110.2

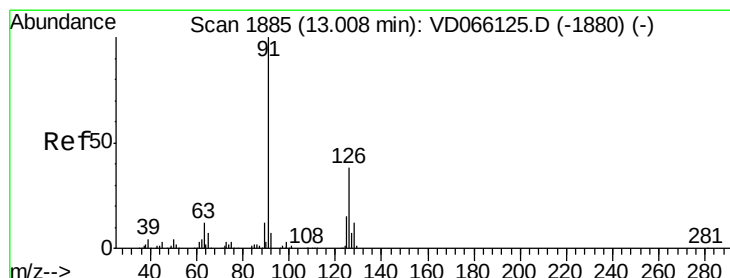
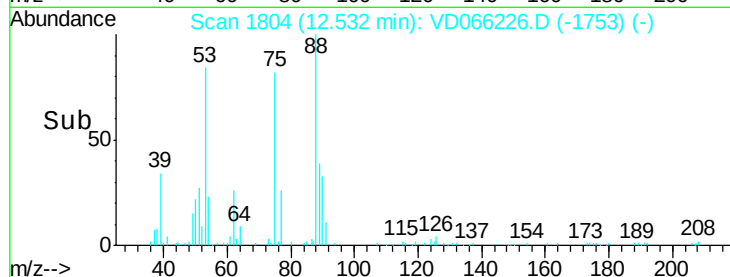
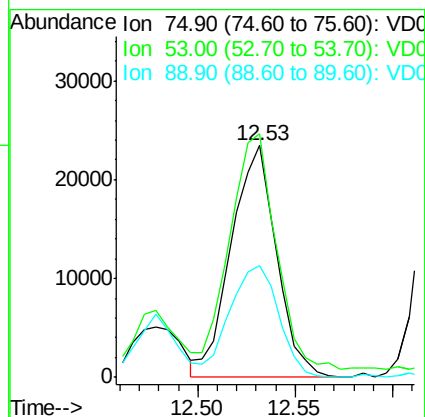
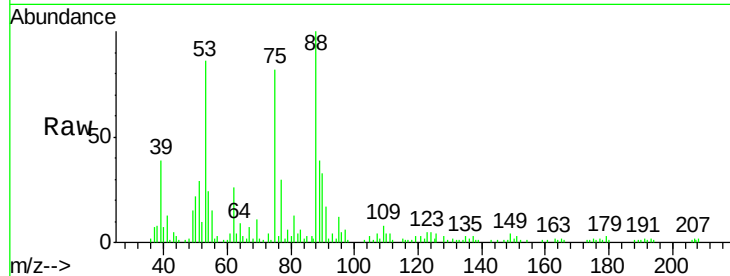
89 51.7 36.6 55.0

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#82

4-Chlorotoluene

Concen: 54.071 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD066226.D

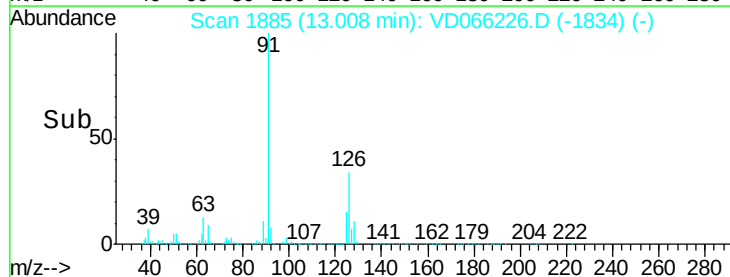
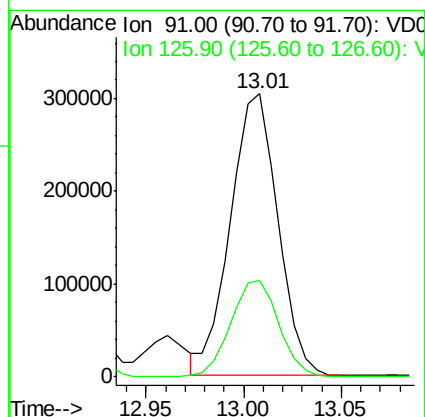
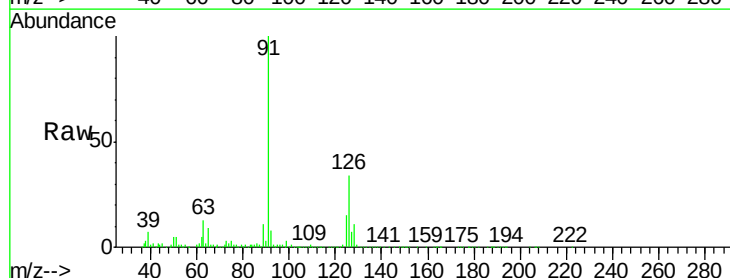
Acq: 13 Aug 2020 22:31

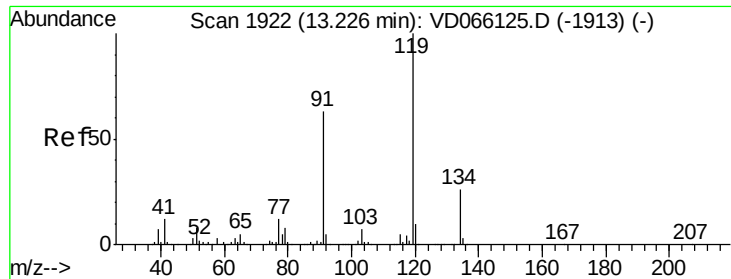
Tgt Ion: 91 Resp: 511644

Ion Ratio Lower Upper

91 100

126 34.7 17.8 53.3





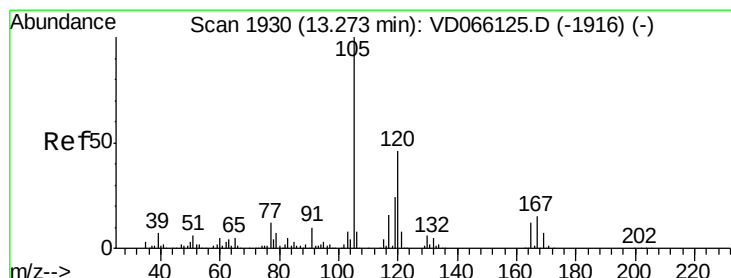
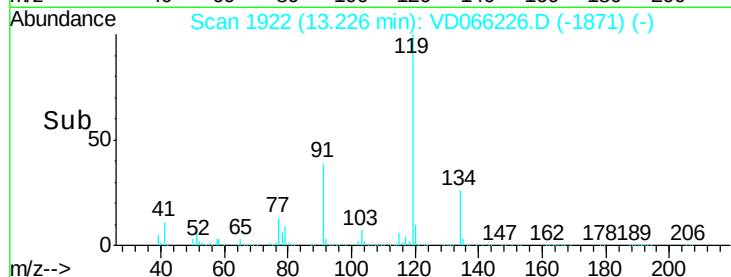
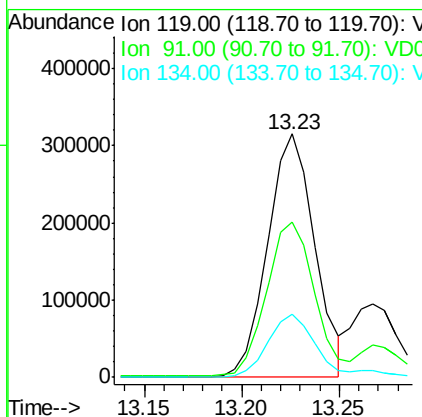
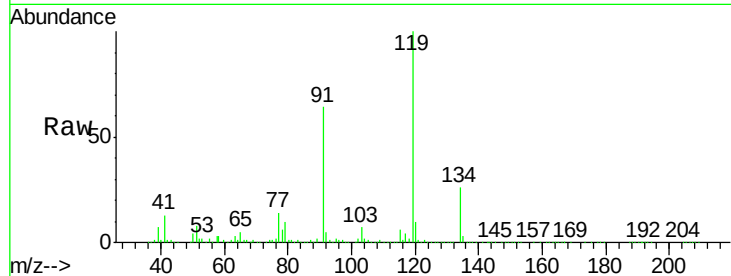
#83
 tert-Butylbenzene
 Concen: 53.044 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD066226.D
 Acq: 13 Aug 2020 22:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.1	30.8	92.4
134	27.6	13.6	40.8

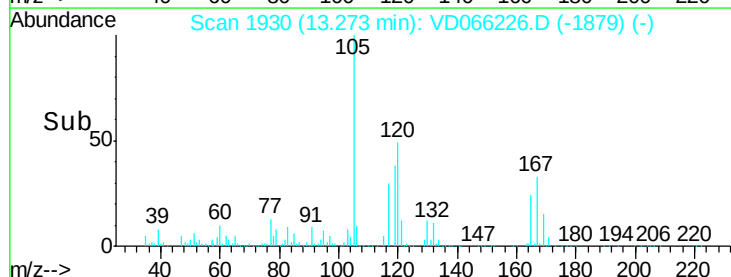
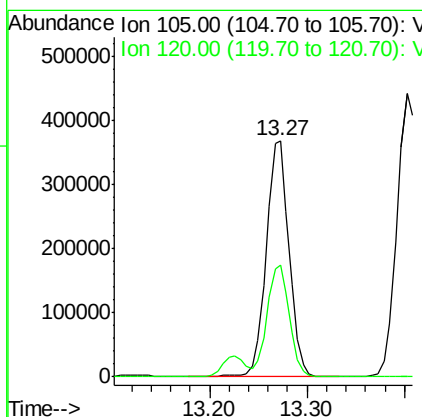
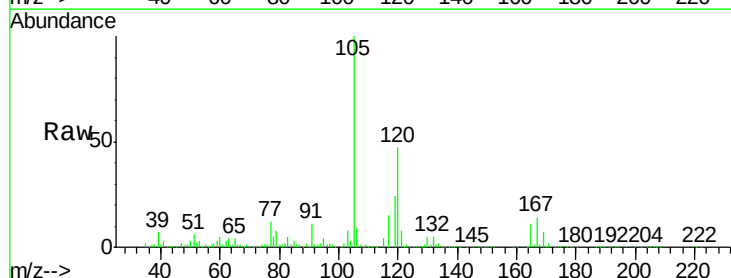
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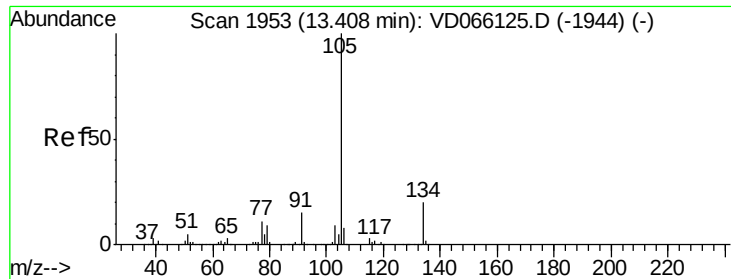
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.489 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD066226.D
 Acq: 13 Aug 2020 22:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.1	69.2





#85

sec-Butylbenzene

Concen: 52.711 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD066226.D

Acq: 13 Aug 2020 22:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 705702

Ion Ratio Lower Upper

105 100

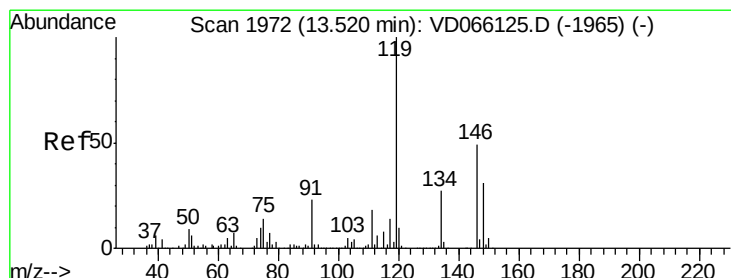
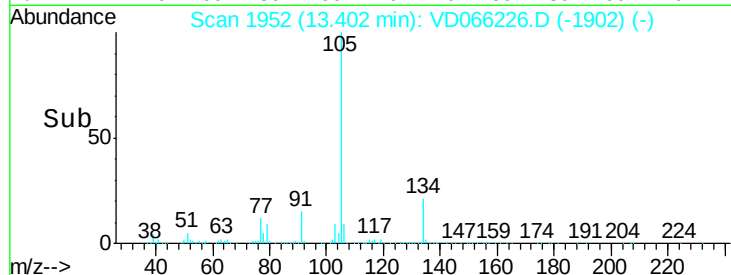
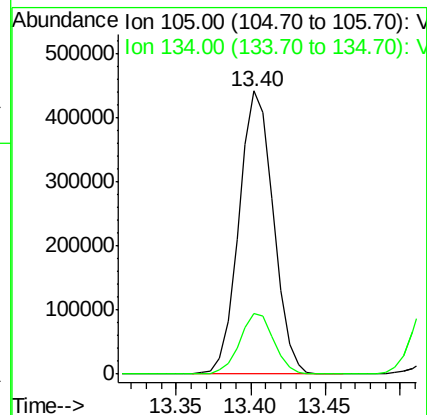
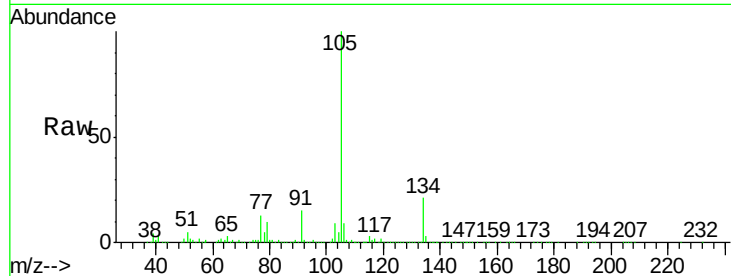
134 21.2 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 53.418 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066226.D

Acq: 13 Aug 2020 22:31

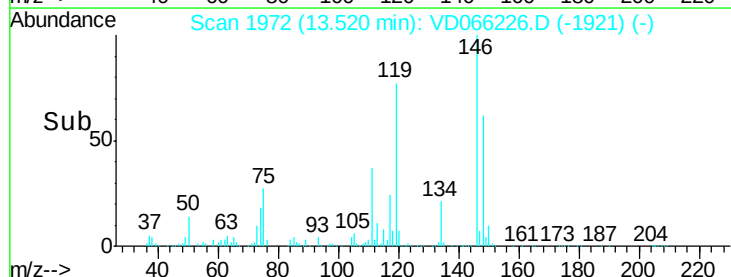
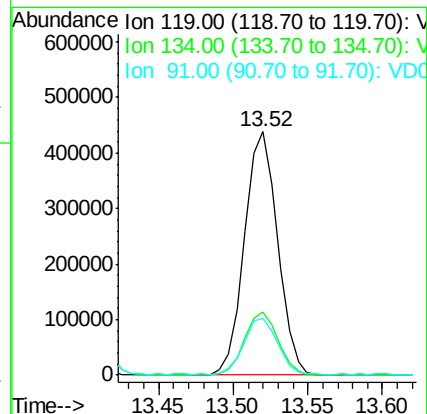
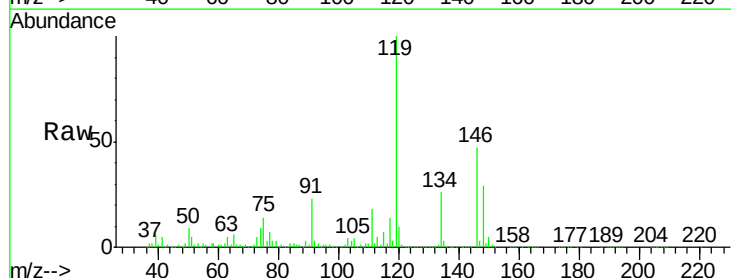
Tgt Ion:119 Resp: 670761

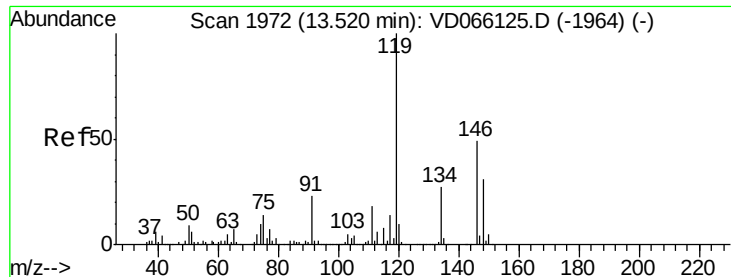
Ion Ratio Lower Upper

119 100

134 26.3 13.5 40.4

91 23.2 11.2 33.5





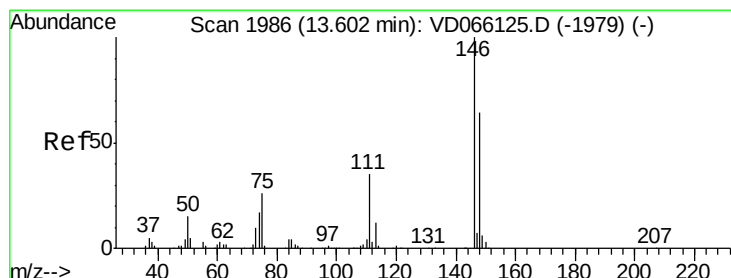
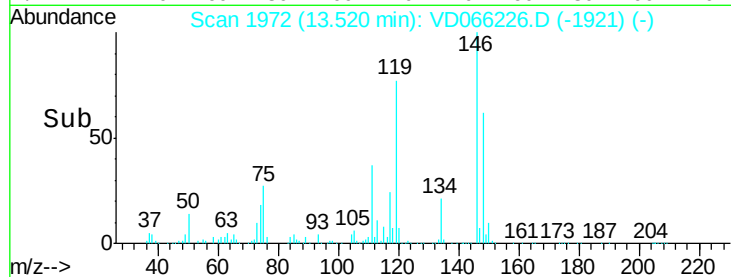
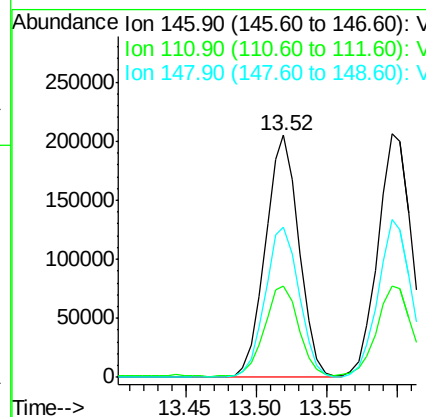
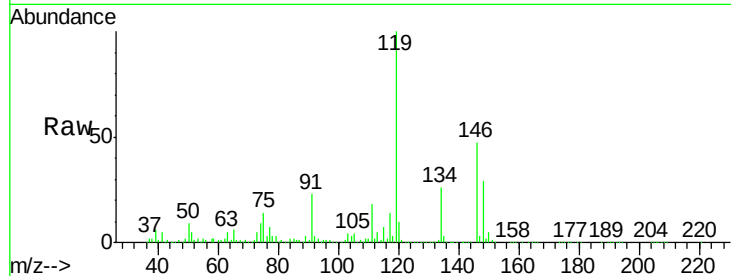
#87
 1,3-Dichlorobenzene
 Concen: 52.238 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066226.D
 Acq: 13 Aug 2020 22:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.9	56.9
148	63.3	31.8	95.3

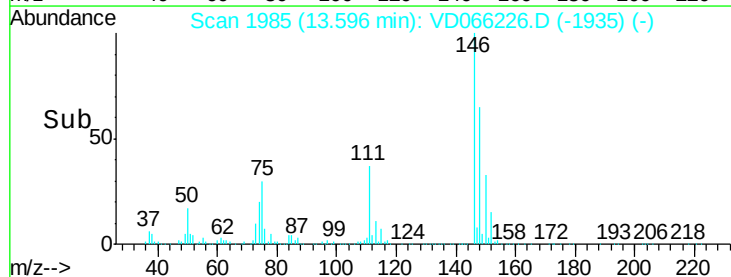
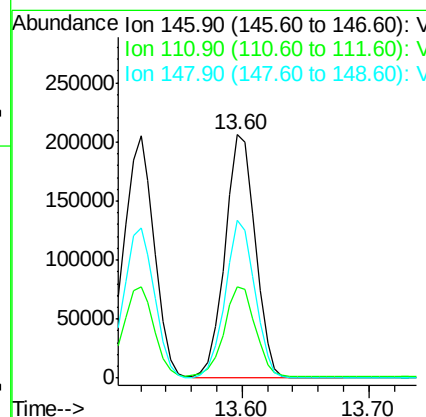
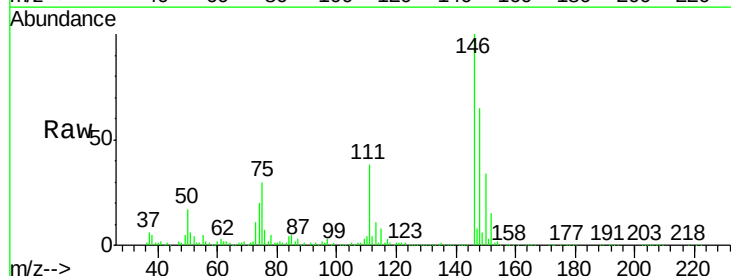
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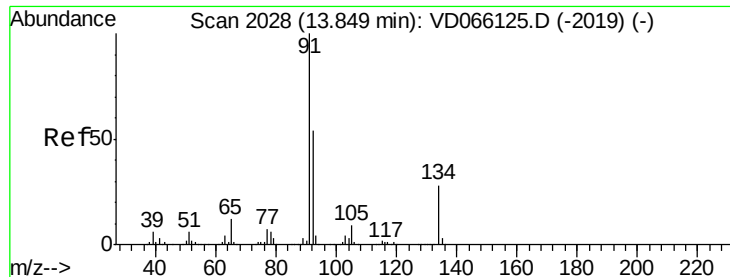
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#88
 1,4-Dichlorobenzene
 Concen: 52.494 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD066226.D
 Acq: 13 Aug 2020 22:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.6	55.8
148	63.4	32.4	97.0





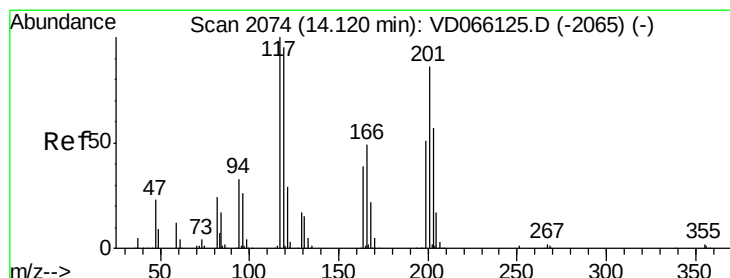
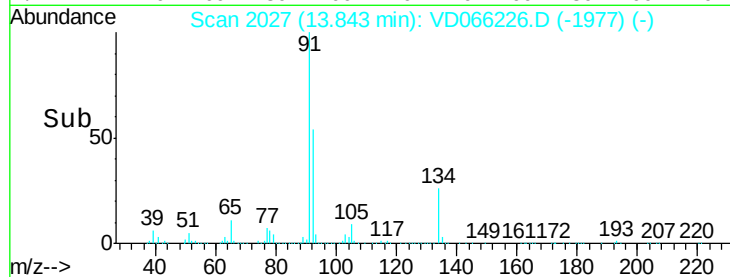
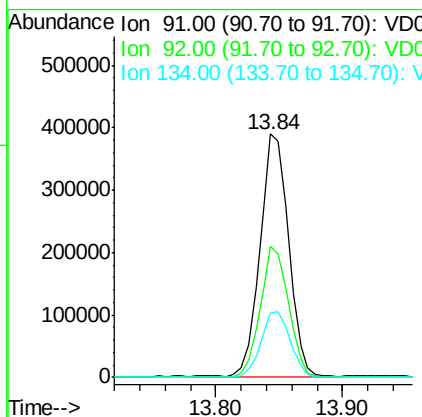
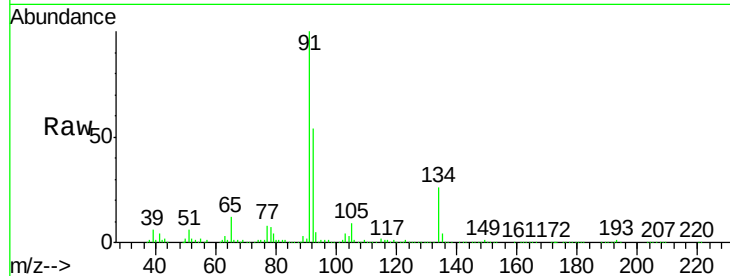
#89
n-Butylbenzene
Concen: 54.045 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066226.D
Acq: 13 Aug 2020 22:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.8	80.3
134	27.8	14.0	41.9

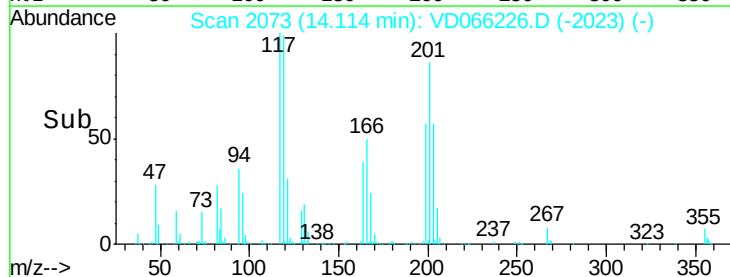
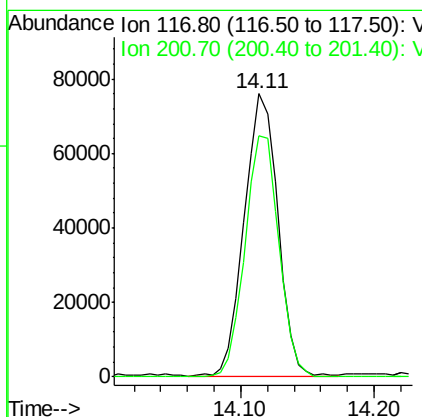
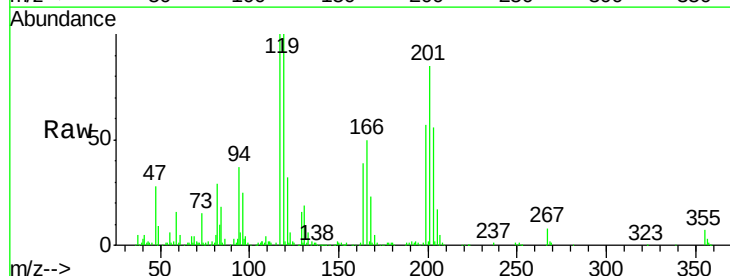
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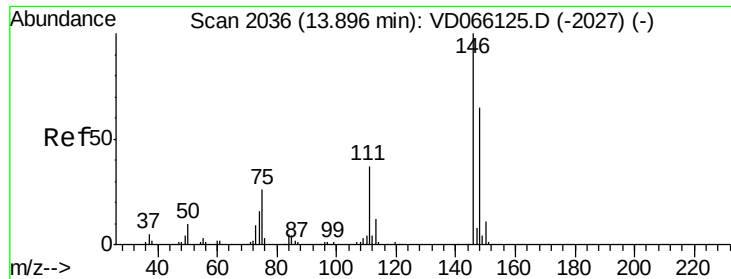
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#90
Hexachloroethane
Concen: 52.415 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD066226.D
Acq: 13 Aug 2020 22:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.3	42.7	128.1





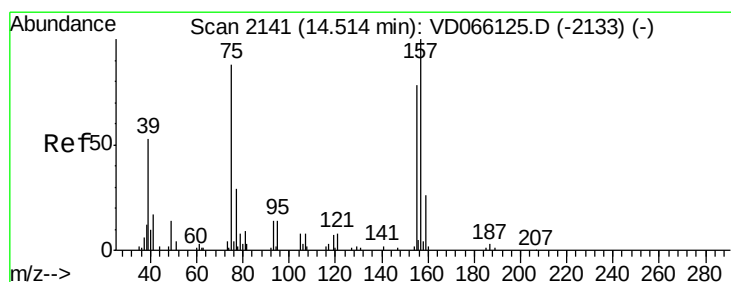
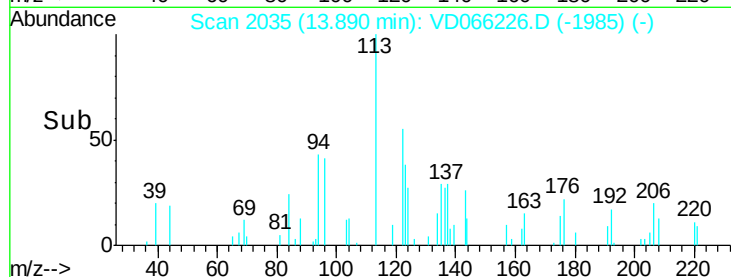
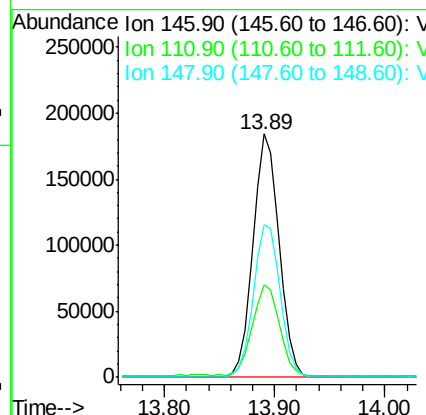
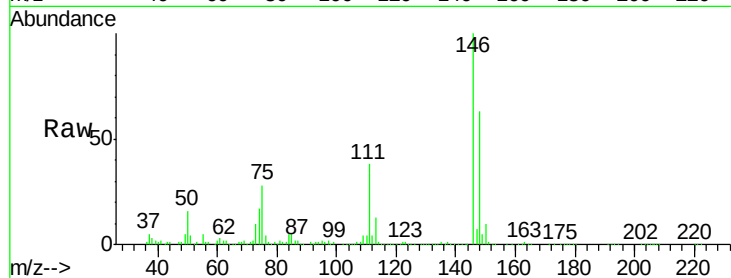
#91
 1,2-Dichlorobenzene
 Concen: 53.166 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD066226.D
 Acq: 13 Aug 2020 22:31

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	18.8	56.3
148	64.0	31.9	95.5

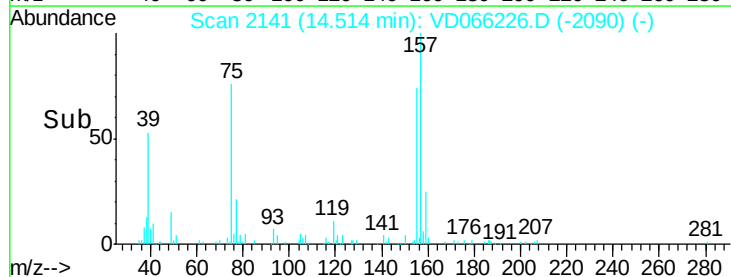
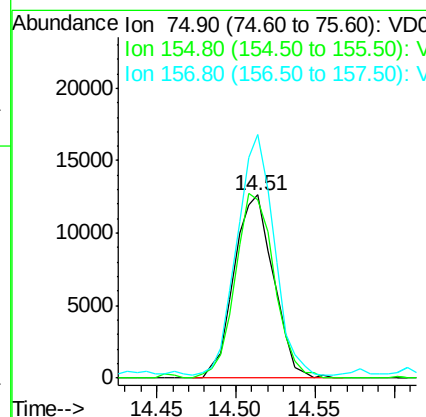
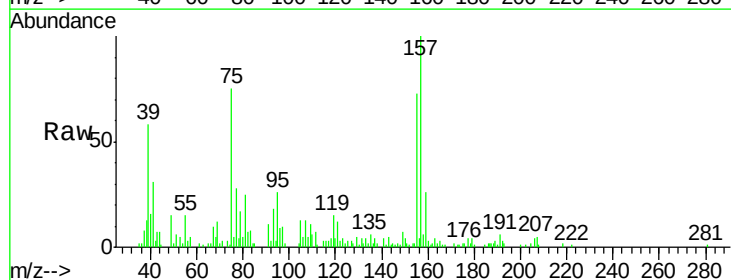
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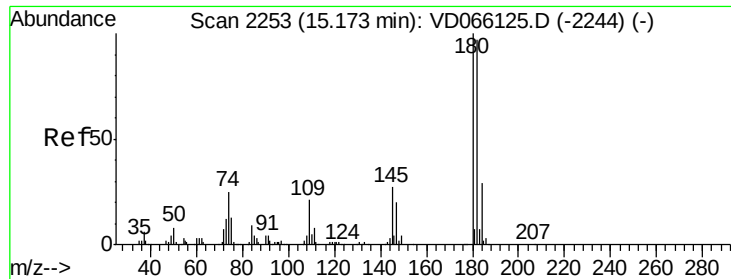
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.086 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD066226.D
 Acq: 13 Aug 2020 22:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.0	47.7	143.1
157	123.9	62.1	186.2





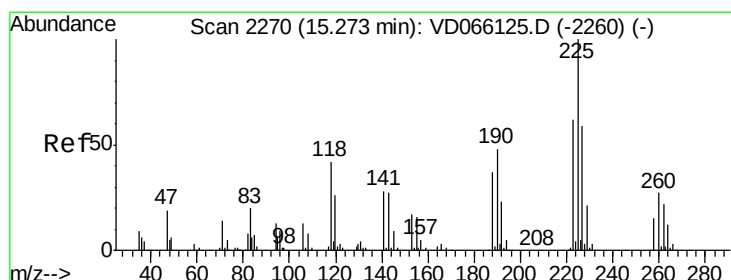
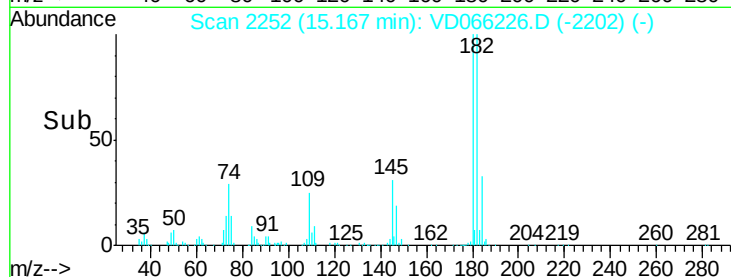
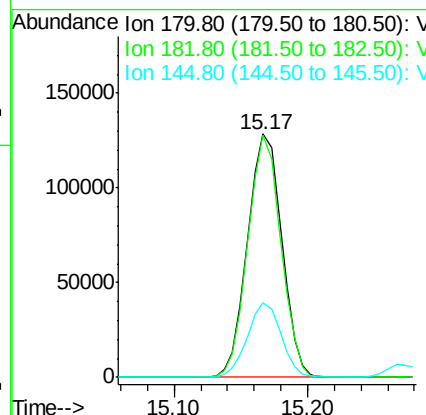
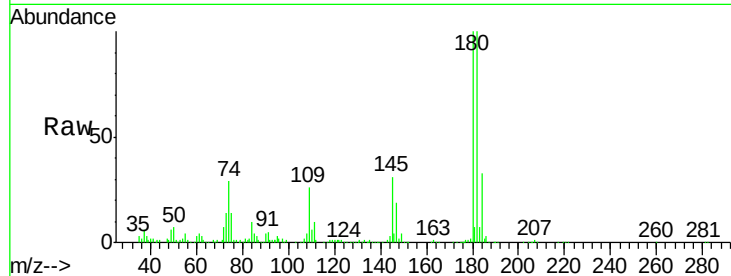
#93
 1,2,4-Trichlorobenzene
 Concen: 53.702 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD066226.D
 Acq: 13 Aug 2020 22:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	228299		
182	95.7	47.4	142.2	
145	30.4	14.5	43.6	

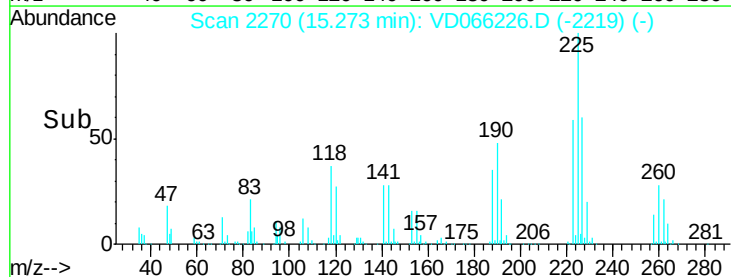
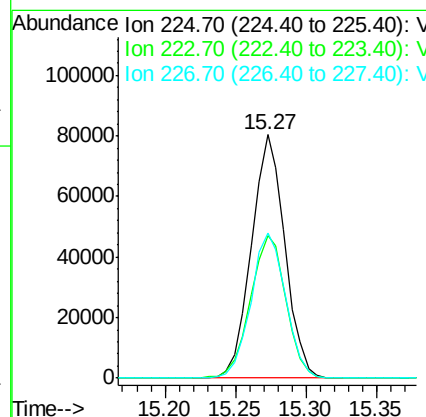
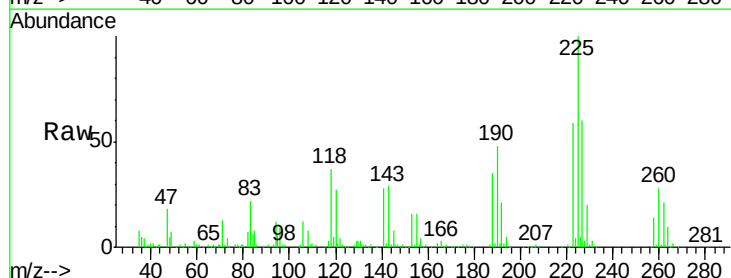
Manual Integrations
 APPROVED

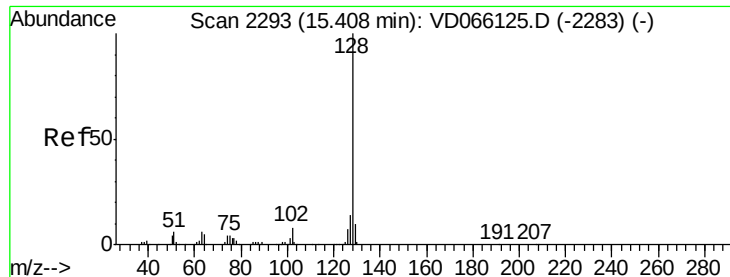
MMDadoda
 8/14/2020 5:11:59 PM



#94
 Hexachlorobutadiene
 Concen: 53.333 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066226.D
 Acq: 13 Aug 2020 22:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	133513		
223	62.4	32.3	96.9	
227	61.8	32.1	96.5	





#95

Naphthalene

Concen: 59.731 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066226.D

Acq: 13 Aug 2020 22:31

Instrument :

MSVOA_D

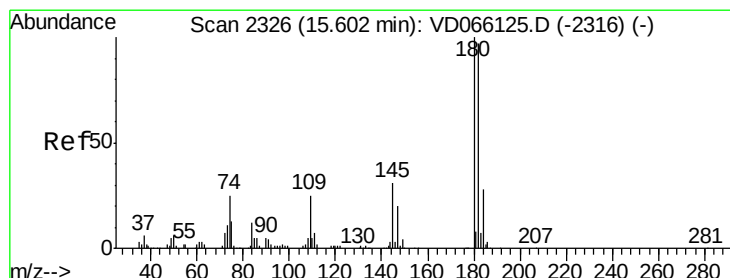
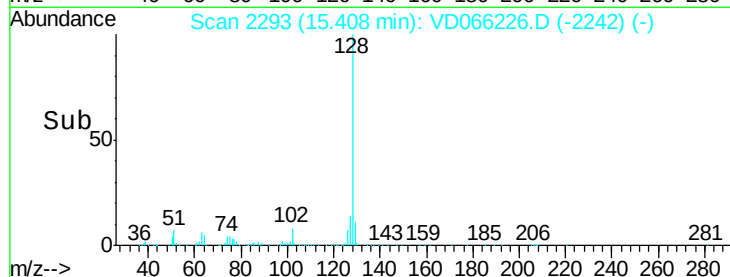
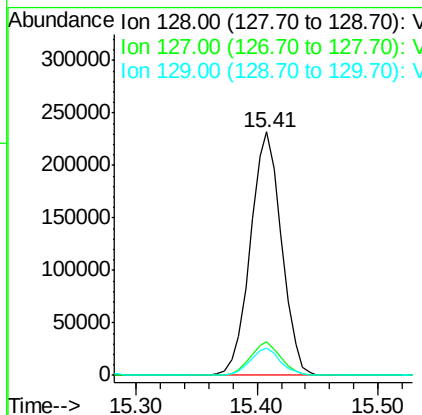
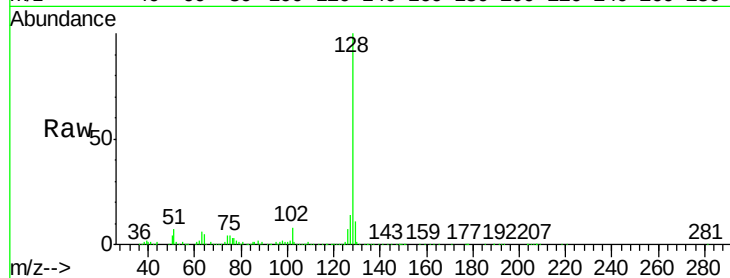
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	413758
Ion Ratio	Lower	Upper	
128	100		
127	13.4	11.0	16.4
129	11.3	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/14/2020 5:11:59 PM



#96

1,2,3-Trichlorobenzene

Concen: 54.637 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD066226.D

Acq: 13 Aug 2020 22:31

Tgt Ion:	180	Resp:	205047
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.1	141.4
145	32.3	14.9	44.9

